

LABORATORY REPORT

May 9, 2013

Eric Grosjean
Atmospheric Analysis & Consulting, Inc.
1534 Eastman Avenue, Suite A
Ventura, CA 93003

RE: Landfill / 130456

Dear Eric:

Enclosed are the results of the samples submitted to our laboratory on April 19, 2013. For your reference, these analyses have been assigned our service request number P1301655.

All analyses were performed according to our laboratory's NELAP and DoD-ELAP-approved quality assurance program. The test results meet requirements of the current NELAP and DoD-ELAP standards, where applicable, and except as noted in the laboratory case narrative provided. For a specific list of NELAP and DoD-ELAP-accredited analytes, refer to the certifications section at www.caslab.com. Results are intended to be considered in their entirety and apply only to the samples analyzed and reported herein.

If you have any questions, please call me at (805) 526-7161.

Respectfully submitted,

ALS | Environmental



By Kate Aguilera at 2:28 pm, May 09, 2013

Kate Aguilera
Project Manager

Client: Atmospheric Analysis & Consulting, Inc.
Project: Landfill / 130456

Service Request No: P1301655

CASE NARRATIVE

The samples were received intact under chain of custody on April 19, 2013 and were stored in accordance with the analytical method requirements. Please refer to the sample acceptance check form for additional information. The results reported herein are applicable only to the condition of the samples at the time of sample receipt.

Carboxylic Acids Analysis

The Silica gel tube samples were analyzed for carboxylic acids using combined gas chromatography/mass spectrometry (GC/MS) in accordance with laboratory operating procedures. This method is not included on the laboratory's NELAP or DoD-ELAP scope of accreditation.

The results of analyses are given in the attached laboratory report. All results are intended to be considered in their entirety, and Columbia Analytical Services, Inc. dba ALS Environmental (ALS) is not responsible for utilization of less than the complete report.

Use of Columbia Analytical Services, Inc. dba ALS Environmental (ALS)'s Name. Client shall not use ALS's name or trademark in any marketing or reporting materials, press releases or in any other manner ("Materials") whatsoever and shall not attribute to ALS any test result, tolerance or specification derived from ALS's data ("Attribution") without ALS's prior written consent, which may be withheld by ALS for any reason in its sole discretion. To request ALS's consent, Client shall provide copies of the proposed Materials or Attribution and describe in writing Client's proposed use of such Materials or Attribution. If ALS has not provided written approval of the Materials or Attribution within ten (10) days of receipt from Client, Client's request to use ALS's name or trademark in any Materials or Attribution shall be deemed denied. ALS may, in its discretion, reasonably charge Client for its time in reviewing Materials or Attribution requests. Client acknowledges and agrees that the unauthorized use of ALS's name or trademark may cause ALS to incur irreparable harm for which the recovery of money damages will be inadequate. Accordingly, Client acknowledges and agrees that a violation shall justify preliminary injunctive relief. For questions contact the laboratory.

Columbia Analytical Services, Inc. dba ALS Environmental – Simi Valley
 Certifications, Accreditations, and Registrations

Agency	Web Site	Number
AIHA	http://www.aihaaccreditedlabs.org	101661
Arizona DHS	http://www.azdhs.gov/lab/license/env.htm	AZ0694
DoD ELAP	http://www.pjlabs.com/search-accredited-labs	L11-203
Florida DOH (NELAP)	http://www.doh.state.fl.us/lab/EnvLabCert/WaterCert.htm	E871020
Maine DHHS	http://www.maine.gov/dhhs/mecdc/environmental-health/water/dwp-services/labcert/labcert.htm	2012039
Minnesota DOH (NELAP)	http://www.health.state.mn.us/accreditation	494864
New Jersey DEP (NELAP)	http://www.nj.gov/dep/oqa/	CA009
New York DOH (NELAP)	http://www.wadsworth.org/labcert/elap/elap.html	11221
Oregon PHD (NELAP)	http://public.health.oregon.gov/LaboratoryServices/EnvironmentalLaboratoryAccreditation/Pages/index.aspx	CA200007
Pennsylvania DEP	http://www.depweb.state.pa.us/labs	68-03307 (Registration)
Texas CEQ (NELAP)	http://www.tceq.texas.gov/field/qa/env_lab_accreditation.html	T104704413-12-3
Utah DOH (NELAP)	http://www.health.utah.gov/lab/labimp/certification/index.html	CA01527201 2-2
Washington DOE	http://www.ecy.wa.gov/programs/eap/labs/lab-accreditation.html	C946

Analyses were performed according to our laboratory’s NELAP and DoD-ELAP approved quality assurance program. A complete listing of specific NELAP and DoD-ELAP certified analytes can be found in the certifications section at www.caslab.com, www.alsglobal.com, or at the accreditation body’s website.

Each of the certifications listed above have an explicit Scope of Accreditation that applies to specific matrices/methods/analytes; therefore, please contact the laboratory for information corresponding to a particular certification.

DETAIL SUMMARY REPORT

Client: Atmospheric Analysis & Consulting, Inc.
 Project ID: Landfill / 130456

Service Request: P1301655

Date Received: 4/19/2013
 Time Received: 08:50

Carbox Acids - Carboxy Acids

Client Sample ID	Lab Code	Matrix	Date Collected	Time Collected	
130456-62449 BZ-1	P1301655-001	Air	4/16/2013	16:01	X
130456-62458 F-1	P1301655-002	Air	4/16/2013	13:30	X
130456-62467 F-2	P1301655-003	Air	4/16/2013	14:19	X
130456-62476 F-3	P1301655-004	Air	4/16/2013	15:14	X
130456-62489 Trip Blank	P1301655-005	Air	4/16/2013	00:00	X



ATMOSPHERIC ANALYSIS & CONSULTING, INC.
 1534 Eastman Avenue, Suite A
 Ventura, California 93003
 Phone (805) 650-1642 Fax (805) 650-1644
 E-mail: info@aacilab.com

AAC Project No. 130456

Page 1 of 1

Subcontractor Lab:
 ALS-Colombia Analytical Services
 Kate Aguilera
 805-526-7161
 2655 Park Center Drive, Ste A, Simi Valley, CA 93065

Ship:
 ONTRAC STD OVN
 AAC Account

CHAIN OF CUSTODY / ANALYSIS REQUEST FORM

P1301655

Client Name AAC, Inc.		Project Name Landfill		Analysis Requested		Send Report:	
Project Mgr (Print Name) Eric Grosjean		Project Number 130456		Hold for Backup	Sample Volume, Liters	Attn: Eric Grosjean	
Sampler's Name (Print Name)		Sampler's Signature		Volatle Fatty Acids		Phone #: 805-650-1642	
AAC Sample No.	Date Sampled	Time Sampled	Sample Type	Client Sample ID/Description	Type/No. of containers	Fax #: 805-650-1644	Send Invoice to:
130456-62449	04/16/2013	16:01	Tube	BZ-1	Tube 1		Attn: Eric Grosjean
130456-62458	04/16/2013	13:30	Tube	F-1	Tube 1		egrosjean@aacilab.com
130456-62467	04/16/2013	14:19	Tube	F-2	Tube 1		P.O. # NA
130456-62476	04/16/2013	15:14	Tube	F-3	Tube 1		Turn Around Time 48-Hr
130456-62489	04/16/2013	NA	Tube	Trip Blank	Tube 1		5 day Normal X
							Other (Specify)
							Special Intructions / remarks:
							Please provide Level IV Data Package
							Please report in ppbv and ug/m ³ and email Excel spreadsheet
Relinquished by (Signature)	Print name: Eric Grosjean	Date/Time 4/18/13 13:20	Received by (Signature)	Print Name			
Relinquished by (Signature)	Print name:	Date/Time	Received by (Signature)	Print Name			

60666666
 4/13/13 08:50

Sample Acceptance Check Form

Client: Atmospheric Analysis & Consulting, Inc. Work order: P1301655
 Project: Landfill / 130456
 Sample(s) received on: 4/19/13 Date opened: 4/19/13 by: MZAMORA

Note: This form is used for all samples received by ALS. The use of this form for custody seals is strictly meant to indicate presence/absence and not as an indication of compliance or nonconformity. Thermal preservation and pH will only be evaluated either at the request of the client and/or as required by the method/SOP.

- | | Yes | No | N/A |
|---|-------------------------------------|-------------------------------------|-------------------------------------|
| 1 Were sample containers properly marked with client sample ID? | <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |
| 2 Container(s) supplied by ALS ? | <input type="checkbox"/> | <input checked="" type="checkbox"/> | <input type="checkbox"/> |
| 3 Did sample containers arrive in good condition? | <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |
| 4 Were chain-of-custody papers used and filled out? | <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |
| 5 Did sample container labels and/or tags agree with custody papers? | <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |
| 6 Was sample volume received adequate for analysis? | <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |
| 7 Are samples within specified holding times? | <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |
| 8 Was proper temperature (thermal preservation) of cooler at receipt adhered to?
Cooler Temperature: 6° C Blank Temperature: ° C | <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |
| Gel Packs | | | |
| 9 Was a trip blank received? | <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |
| 10 Were custody seals on outside of cooler/Box?
Location of seal(s)? _____ Sealing Lid? | <input type="checkbox"/> | <input checked="" type="checkbox"/> | <input type="checkbox"/> |
| Were signature and date included? | <input type="checkbox"/> | <input type="checkbox"/> | <input checked="" type="checkbox"/> |
| Were seals intact? | <input type="checkbox"/> | <input type="checkbox"/> | <input checked="" type="checkbox"/> |
| Were custody seals on outside of sample container?
Location of seal(s)? _____ Sealing Lid? | <input type="checkbox"/> | <input checked="" type="checkbox"/> | <input type="checkbox"/> |
| Were signature and date included? | <input type="checkbox"/> | <input type="checkbox"/> | <input checked="" type="checkbox"/> |
| Were seals intact? | <input type="checkbox"/> | <input type="checkbox"/> | <input checked="" type="checkbox"/> |
| 11 Do containers have appropriate preservation , according to method/SOP or Client specified information?
Is there a client indication that the submitted samples are pH preserved?
Were VOA vials checked for presence/absence of air bubbles?
Does the client/method/SOP require that the analyst check the sample pH and <u>if necessary</u> alter it? | <input type="checkbox"/> | <input type="checkbox"/> | <input checked="" type="checkbox"/> |
| 12 Tubes: Are the tubes capped and intact? | <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |
| Do they contain moisture? | <input type="checkbox"/> | <input checked="" type="checkbox"/> | <input type="checkbox"/> |
| 13 Badges: Are the badges properly capped and intact? | <input type="checkbox"/> | <input type="checkbox"/> | <input checked="" type="checkbox"/> |
| Are dual bed badges separated and individually capped and intact? | <input type="checkbox"/> | <input type="checkbox"/> | <input checked="" type="checkbox"/> |

Lab Sample ID	Container Description	Required pH *	Received pH	Adjusted pH	VOA Headspace (Presence/Absence)	Receipt / Preservation Comments
P1301655-001.01	Silica Gel (C. Acids)					
P1301655-002.01	Silica Gel (C. Acids)					
P1301655-003.01	Silica Gel (C. Acids)					
P1301655-004.01	Silica Gel (C. Acids)					
P1301655-005.01	Silica Gel (C. Acids)					

Explain any discrepancies: (include lab sample ID numbers): _____

RESULTS OF ANALYSIS

Page 1 of 1

Client: Atmospheric Analysis & Consulting, Inc.
Client Sample ID: 130456-62449 BZ-1
Client Project ID: Landfill / 130456

CAS Project ID: P1301655
CAS Sample ID: P1301655-001

Test Code: GC/MS
Instrument ID: Agilent 5973/Agilent 6890/MS14
Analyst: Evelyn Ibarra
Sampling Media: Silica Gel Tube
Test Notes: BC, DE

Date Collected: 4/16/13
Date Received: 4/19/13
Date Analyzed: 4/26/13
Desorption Volume: 1.0 ml
Volume Sampled: 114 Liter(s)

CAS #	Compound	Result µg/Tube	Result µg/m ³	MRL µg/m ³	Result ppbV	MRL ppbV	Data Qualifier
64-19-7	Acetic Acid	< 2.0	ND	17	ND	7.1	
79-09-4	Propionic Acid (Propanoic)	< 0.24	ND	2.1	ND	0.70	
79-31-2	2-Methylpropanoic Acid (Isobutyric)	< 0.25	ND	2.1	ND	0.60	
107-92-6	Butanoic Acid (Butyric)	< 0.24	ND	2.1	ND	0.59	
116-53-0	2-Methylbutanoic Acid	< 0.24	ND	2.1	ND	0.51	
503-74-2	3-Methylbutanoic Acid (Isovaleric)	< 0.25	ND	2.1	ND	0.51	
109-52-4	Pentanoic Acid (Valeric)	< 0.25	ND	2.2	ND	0.52	
97-61-0	2-Methylpentanoic Acid	< 0.24	ND	2.1	ND	0.44	
105-43-1	3-Methylpentanoic Acid	< 0.25	ND	2.2	ND	0.46	
646-07-1	4-Methylpentanoic Acid (Isocaproic)	< 0.24	ND	2.1	ND	0.45	
142-62-1	Hexanoic Acid (Caproic)	< 0.25	ND	2.2	ND	0.46	
111-14-8	Heptanoic Acid (Enanthoic)	< 0.24	ND	2.1	ND	0.40	
149-57-5	2-Ethylhexanoic Acid	< 0.25	ND	2.1	ND	0.36	
98-89-5	Cyclohexanecarboxylic Acid	< 0.24	ND	2.1	ND	0.41	
124-07-2	Octanoic Acid (Caprylic)	< 0.24	ND	2.1	ND	0.36	
65-85-0	Benzoic Acid	< 0.26	ND	2.2	ND	0.45	
112-05-0	Nonanoic Acid (Pelargonic)	< 0.25	ND	2.2	ND	0.34	

ND = Compound was analyzed for, but not detected above the laboratory reporting limit.

MRL = Method Reporting Limit - The minimum quantity of a target analyte that can be confidently determined by the referenced method.

BC = Results reported are not blank corrected.

DE = Results reported are corrected for desorption efficiency.

RESULTS OF ANALYSIS

Page 1 of 1

Client: Atmospheric Analysis & Consulting, Inc.
Client Sample ID: 130456-62458 F-1
Client Project ID: Landfill / 130456

CAS Project ID: P1301655
CAS Sample ID: P1301655-002

Test Code: GC/MS
Instrument ID: Agilent 5973/Agilent 6890/MS14
Analyst: Evelyn Ibarra
Sampling Media: Silica Gel Tube
Test Notes: **BC, DE**

Date Collected: 4/16/13
Date Received: 4/19/13
Date Analyzed: 4/26 - 4/29/13
Desorption Volume: 1.0 ml
Volume Sampled: 1.04 Liter(s)

CAS #	Compound	Result µg/Tube	Result µg/m ³	MRL µg/m ³	Result ppbV	MRL ppbV	Data Qualifier
64-19-7	Acetic Acid	170	170,000	1,900	68,000	780	BT
79-09-4	Propionic Acid (Propanoic)	160	160,000	230	51,000	77	BT
79-31-2	2-Methylpropanoic Acid (Isobutyric)	73	70,000	240	19,000	65	BT
107-92-6	Butanoic Acid (Butyric)	400	390,000	230	110,000	65	BT
116-53-0	2-Methylbutanoic Acid	19	18,000	230	4,400	56	BT
503-74-2	3-Methylbutanoic Acid (Isovaleric)	28	27,000	240	6,400	56	BT
109-52-4	Pentanoic Acid (Valeric)	51	49,000	240	12,000	57	BT
97-61-0	2-Methylpentanoic Acid	1.2	1,100	230	240	49	BT
105-43-1	3-Methylpentanoic Acid	< 0.25	ND	240	ND	50	
646-07-1	4-Methylpentanoic Acid (Isocaproic)	0.75	720	230	150	49	
142-62-1	Hexanoic Acid (Caproic)	33	32,000	240	6,700	50	BT
111-14-8	Heptanoic Acid (Enanthoic)	0.50	480	230	90	44	
149-57-5	2-Ethylhexanoic Acid	0.43	410	240	70	40	M
98-89-5	Cyclohexanecarboxylic Acid	< 0.24	ND	230	ND	45	
124-07-2	Octanoic Acid (Caprylic)	< 0.24	ND	230	ND	39	
65-85-0	Benzoic Acid	< 0.26	ND	250	ND	49	
112-05-0	Nonanoic Acid (Pelargonic)	< 0.25	ND	240	ND	37	

ND = Compound was analyzed for, but not detected above the laboratory reporting limit.

MRL = Method Reporting Limit - The minimum quantity of a target analyte that can be confidently determined by the referenced method.

BC = Results reported are not blank corrected.

DE = Results reported are corrected for desorption efficiency.

BT = Results indicated possible breakthrough; back section ≥10% front section.

M = Matrix interference; results may be biased high.

RESULTS OF ANALYSIS

Page 1 of 1

Client: Atmospheric Analysis & Consulting, Inc.
Client Sample ID: 130456-62467 F-2
Client Project ID: Landfill / 130456

CAS Project ID: P1301655
CAS Sample ID: P1301655-003

Test Code: GC/MS
Instrument ID: Agilent 5973/Agilent 6890/MS14
Analyst: Evelyn Ibarra
Sampling Media: Silica Gel Tube
Test Notes: **BC, DE**

Date Collected: 4/16/13
Date Received: 4/19/13
Date Analyzed: 4/26 - 4/29/13
Desorption Volume: 1.0 ml
Volume Sampled: 0.958 Liter(s)

CAS #	Compound	Result µg/Tube	Result µg/m ³	MRL µg/m ³	Result ppbV	MRL ppbV	Data Qualifier
64-19-7	Acetic Acid	160	170,000	2,100	68,000	840	BT
79-09-4	Propionic Acid (Propanoic)	210	220,000	250	73,000	84	BT
79-31-2	2-Methylpropanoic Acid (Isobutyric)	240	250,000	260	70,000	71	BT
107-92-6	Butanoic Acid (Butyric)	960	1,000,000	250	280,000	70	BT
116-53-0	2-Methylbutanoic Acid	63	66,000	250	16,000	61	BT
503-74-2	3-Methylbutanoic Acid (Isovaleric)	120	120,000	260	29,000	61	BT
109-52-4	Pentanoic Acid (Valeric)	68	71,000	260	17,000	62	BT
97-61-0	2-Methylpentanoic Acid	< 0.24	ND	250	ND	53	
105-43-1	3-Methylpentanoic Acid	< 0.25	ND	260	ND	54	
646-07-1	4-Methylpentanoic Acid (Isocaproic)	< 0.24	ND	250	ND	53	
142-62-1	Hexanoic Acid (Caproic)	7.7	8,000	260	1,700	54	BT
111-14-8	Heptanoic Acid (Enanthoic)	< 0.24	ND	250	ND	48	
149-57-5	2-Ethylhexanoic Acid	< 0.25	ND	260	ND	43	
98-89-5	Cyclohexanecarboxylic Acid	< 0.24	ND	250	ND	48	
124-07-2	Octanoic Acid (Caprylic)	< 0.24	ND	250	ND	43	
65-85-0	Benzoic Acid	< 0.26	ND	270	ND	53	
112-05-0	Nonanoic Acid (Pelargonic)	< 0.25	ND	260	ND	40	

ND = Compound was analyzed for, but not detected above the laboratory reporting limit.

MRL = Method Reporting Limit - The minimum quantity of a target analyte that can be confidently determined by the referenced method.

BC = Results reported are not blank corrected.

DE = Results reported are corrected for desorption efficiency.

BT = Results indicated possible breakthrough; back section ≥10% front section.

RESULTS OF ANALYSIS

Page 1 of 1

Client: Atmospheric Analysis & Consulting, Inc.
Client Sample ID: 130456-62476 F-3
Client Project ID: Landfill / 130456

CAS Project ID: P1301655
 CAS Sample ID: P1301655-004

Test Code: GC/MS
Instrument ID: Agilent 5973/Agilent 6890/MS14
Analyst: Evelyn Ibarra
Sampling Media: Silica Gel Tube
Test Notes: BC, DE

Date Collected: 4/16/13
Date Received: 4/19/13
Date Analyzed: 4/26 - 4/29/13
Desorption Volume: 1.0 ml
Volume Sampled: 1.05 Liter(s)

CAS #	Compound	Result µg/Tube	Result µg/m ³	MRL µg/m ³	Result ppbV	MRL ppbV	Data Qualifier
64-19-7	Acetic Acid	36	34,000	1,900	14,000	770	BT
79-09-4	Propionic Acid (Propanoic)	71	68,000	230	22,000	76	BT
79-31-2	2-Methylpropanoic Acid (Isobutyric)	59	56,000	230	16,000	65	BT
107-92-6	Butanoic Acid (Butyric)	220	210,000	230	57,000	64	BT
116-53-0	2-Methylbutanoic Acid	15	15,000	230	3,500	55	BH
503-74-2	3-Methylbutanoic Acid (Isovaleric)	29	27,000	230	6,500	56	BH
109-52-4	Pentanoic Acid (Valeric)	25	24,000	240	5,700	56	BH
97-61-0	2-Methylpentanoic Acid	< 0.24	ND	230	ND	48	
105-43-1	3-Methylpentanoic Acid	< 0.25	ND	240	ND	50	
646-07-1	4-Methylpentanoic Acid (Isocaproic)	< 0.24	ND	230	ND	49	
142-62-1	Hexanoic Acid (Caproic)	8.9	8,400	240	1,800	50	BH
111-14-8	Heptanoic Acid (Enanthoic)	< 0.24	ND	230	ND	43	
149-57-5	2-Ethylhexanoic Acid	0.43	410	230	69	40	BH
98-89-5	Cyclohexanecarboxylic Acid	< 0.24	ND	230	ND	44	
124-07-2	Octanoic Acid (Caprylic)	< 0.24	ND	230	ND	39	
65-85-0	Benzoic Acid	< 0.26	ND	240	ND	49	
112-05-0	Nonanoic Acid (Pelargonic)	< 0.25	ND	240	ND	36	

ND = Compound was analyzed for, but not detected above the laboratory reporting limit.

MRL = Method Reporting Limit - The minimum quantity of a target analyte that can be confidently determined by the referenced method.

BC = Results reported are not blank corrected.

DE = Results reported are corrected for desorption efficiency.

BT = Results indicated possible breakthrough; back section ≥10% front section.

BH = The back section of the tube yielded higher results than the front.

RESULTS OF ANALYSIS

Page 1 of 1

Client: Atmospheric Analysis & Consulting, Inc.
Client Sample ID: 130456-62489 Trip Blank
Client Project ID: Landfill / 130456

CAS Project ID: P1301655
CAS Sample ID: P1301655-005

Test Code: GC/MS
Instrument ID: Agilent 5973/Agilent 6890/MS14
Analyst: Evelyn Ibarra
Sampling Media: Silica Gel Tube
Test Notes: BC, DE

Date Collected: 4/16/13
Date Received: 4/19/13
Date Analyzed: 4/26/13
Desorption Volume: 1.0 ml
Volume Sampled: NA Liter(s)

CAS #	Compound	Result µg/Tube	Result µg/m ³	MRL µg/m ³	Result ppbV	MRL ppbV	Data Qualifier
64-19-7	Acetic Acid	< 2.0	NA	NA	NA	NA	
79-09-4	Propionic Acid (Propanoic)	< 0.24	NA	NA	NA	NA	
79-31-2	2-Methylpropanoic Acid (Isobutyric)	< 0.25	NA	NA	NA	NA	
107-92-6	Butanoic Acid (Butyric)	< 0.24	NA	NA	NA	NA	
116-53-0	2-Methylbutanoic Acid	< 0.24	NA	NA	NA	NA	
503-74-2	3-Methylbutanoic Acid (Isovaleric)	< 0.25	NA	NA	NA	NA	
109-52-4	Pentanoic Acid (Valeric)	< 0.25	NA	NA	NA	NA	
97-61-0	2-Methylpentanoic Acid	< 0.24	NA	NA	NA	NA	
105-43-1	3-Methylpentanoic Acid	< 0.25	NA	NA	NA	NA	
646-07-1	4-Methylpentanoic Acid (Isocaproic)	< 0.24	NA	NA	NA	NA	
142-62-1	Hexanoic Acid (Caproic)	< 0.25	NA	NA	NA	NA	
111-14-8	Heptanoic Acid (Enanthoic)	< 0.24	NA	NA	NA	NA	
149-57-5	2-Ethylhexanoic Acid	< 0.25	NA	NA	NA	NA	
98-89-5	Cyclohexanecarboxylic Acid	< 0.24	NA	NA	NA	NA	
124-07-2	Octanoic Acid (Caprylic)	< 0.24	NA	NA	NA	NA	
65-85-0	Benzoic Acid	< 0.26	NA	NA	NA	NA	
112-05-0	Nonanoic Acid (Pelargonic)	< 0.25	NA	NA	NA	NA	

ND = Compound was analyzed for, but not detected above the laboratory reporting limit.

MRL = Method Reporting Limit - The minimum quantity of a target analyte that can be confidently determined by the referenced method.

BC = Results reported are not blank corrected.

DE = Results reported are corrected for desorption efficiency.

NA = Not applicable.

RESULTS OF ANALYSIS

Page 1 of 1

Client: Atmospheric Analysis & Consulting, Inc.
Client Sample ID: Method Blank
Client Project ID: Landfill / 130456

CAS Project ID: P1301655
CAS Sample ID: P130426-MB

Test Code: GC/MS
Instrument ID: Agilent 5973/Agilent 6890/MS14
Analyst: Evelyn Ibarra
Sampling Media: Silica Gel Tube
Test Notes: **BC, DE**

Date Collected: NA
Date Received: NA
Date Analyzed: 4/26/13
Desorption Volume: 1.0 ml
Volume Sampled: NA Liter(s)

CAS #	Compound	Result µg/Tube	Result µg/m ³	MRL µg/m ³	Result ppbV	MRL ppbV	Data Qualifier
64-19-7	Acetic Acid	< 2.0	NA	NA	NA	NA	
79-09-4	Propionic Acid (Propanoic)	< 0.24	NA	NA	NA	NA	
79-31-2	2-Methylpropanoic Acid (Isobutyric)	< 0.25	NA	NA	NA	NA	
107-92-6	Butanoic Acid (Butyric)	< 0.24	NA	NA	NA	NA	
116-53-0	2-Methylbutanoic Acid	< 0.24	NA	NA	NA	NA	
503-74-2	3-Methylbutanoic Acid (Isovaleric)	< 0.25	NA	NA	NA	NA	
109-52-4	Pentanoic Acid (Valeric)	< 0.25	NA	NA	NA	NA	
97-61-0	2-Methylpentanoic Acid	< 0.24	NA	NA	NA	NA	
105-43-1	3-Methylpentanoic Acid	< 0.25	NA	NA	NA	NA	
646-07-1	4-Methylpentanoic Acid (Isocaproic)	< 0.24	NA	NA	NA	NA	
142-62-1	Hexanoic Acid (Caproic)	< 0.25	NA	NA	NA	NA	
111-14-8	Heptanoic Acid (Enanthoic)	< 0.24	NA	NA	NA	NA	
149-57-5	2-Ethylhexanoic Acid	< 0.25	NA	NA	NA	NA	
98-89-5	Cyclohexanecarboxylic Acid	< 0.24	NA	NA	NA	NA	
124-07-2	Octanoic Acid (Caprylic)	< 0.24	NA	NA	NA	NA	
65-85-0	Benzoic Acid	< 0.26	NA	NA	NA	NA	
112-05-0	Nonanoic Acid (Pelargonic)	< 0.25	NA	NA	NA	NA	

ND = Compound was analyzed for, but not detected above the laboratory reporting limit.

MRL = Method Reporting Limit - The minimum quantity of a target analyte that can be confidently determined by the referenced method.

NA = Not applicable.

BC = Results reported are not blank corrected.

DE = Results reported are corrected for desorption efficiency.

LABORATORY CONTROL SAMPLE / DUPLICATE LABORATORY CONTROL SAMPLE SUMMARY

Page 1 of 1

Client: Atmospheric Analysis & Consulting, Inc.
Client Sample ID: Duplicate Lab Control Sample
Client Project ID: Landfill / 130456

CAS Project ID: P1301655
 CAS Sample ID: P130426-DLCS

Test Code: GC/MS
 Instrument ID: Agilent 5973/Agilent 6890/MS14
 Analyst: Evelyn Ibarra
 Sampling Media: Silica Gel Tube
 Test Notes:

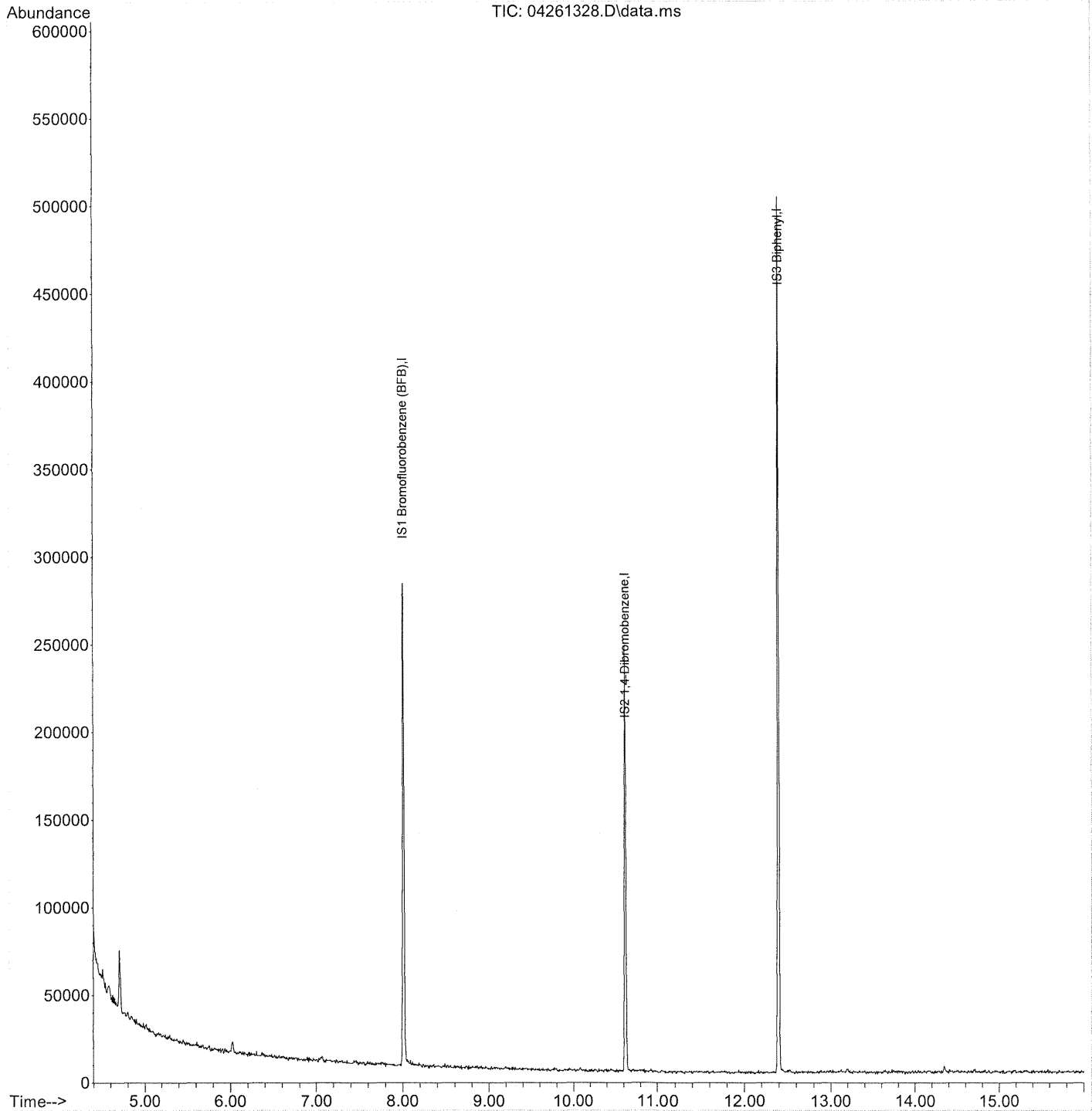
Date Collected: NA
 Date Received: NA
 Date Analyzed: 4/26/13
 Volume(s) Analyzed: NA Liter(s)

CAS #	Compound	Spike Amount		Result		% Recovery		CAS	RPD	RPD	Data
		LCS / DLCS	LCS	DLCS	LCS	DLCS	Acceptance	RPD	RPD	Qualifier	
		µg/ml	µg/ml	µg/ml	LCS	DLCS	Limits	Limit			
64-19-7	Acetic Acid	21.2	22.2	19.7	105	93	66-135	12	26		
79-09-4	Propionic Acid (Propanoic)	10.8	11.5	10.3	106	95	76-126	11	14		
79-31-2	2-Methylpropanoic Acid (Isobutyric)	11.5	11.3	10.9	98	95	84-118	3	13		
107-92-6	Butanoic Acid (Butyric)	10.9	10.9	10.2	100	94	85-117	6	11		
116-53-0	2-Methylbutanoic Acid	10.8	10.9	10.3	101	95	87-116	6	11		
503-74-2	3-Methylbutanoic Acid (Isovaleric)	11.7	11.3	10.7	97	91	88-114	6	10		
109-52-4	Pentanoic Acid (Valeric)	10.8	10.7	10.3	99	95	89-113	4	11		
97-61-0	2-Methylpentanoic Acid	11.7	11.1	10.8	95	92	88-113	3	10		
105-43-1	3-Methylpentanoic Acid	11.6	11.2	10.9	97	94	88-113	3	10		
646-07-1	4-Methylpentanoic Acid (Isocaproic)	11.5	11.3	10.6	98	92	89-113	6	11		
142-62-1	Hexanoic Acid (Caproic)	11.3	10.9	10.5	96	93	87-114	3	11		
111-14-8	Heptanoic Acid (Enanthoic)	9.31	9.12	8.80	98	95	84-116	3	10		
149-57-5	2-Ethylhexanoic Acid	8.09	7.04	7.33	87	91	82-111	4	12		
98-89-5	Cyclohexanecarboxylic Acid	7.09	6.58	6.79	93	96	85-115	3	10		
124-07-2	Octanoic Acid (Caprylic)	8.91	8.49	8.70	95	98	84-116	3	11		
65-85-0	Benzoic Acid	7.89	6.34	7.15	80	91	72-109	13	13		
112-05-0	Nonanoic Acid (Pelargonic)	8.79	8.20	8.49	93	97	84-116	4	10		

Quantitation Report (QT Reviewed)

Data Path : J:\MS14\DATA\ACIDS\2013_04\26\
Data File : 04261328.D
Acq On : 26 Apr 2013 7:41 pm
Operator : EI
Sample : P1301655-001 Front 1.0ml
Misc :
ALS Vial : 27 Sample Multiplier: 1

Quant Time: Apr 30 11:11:47 2013
Quant Method : J:\MS14\METHODS\CA100912E.M
Quant Title : Short Chain Carboxylic Acids in Air
QLast Update : Fri Apr 05 11:12:06 2013
Response via : Initial Calibration



Data Path : J:\MS14\DATA\ACIDS\2013_04\26\
 Data File : 04261328.D
 Acq On : 26 Apr 2013 7:41 pm
 Operator : EI
 Sample : P1301655-001 Front 1.0ml
 Misc :
 ALS Vial : 27 Sample Multiplier: 1

Quant Time: Apr 30 11:11:47 2013
 Quant Method : J:\MS14\METHODS\CA100912E.M
 Quant Title : Short Chain Carboxylic Acids in Air
 QLast Update : Fri Apr 05 11:12:06 2013
 Response via : Initial Calibration

4/30/13
 88

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev (Min)
1) IS1 Bromofluorobenzene...	8.01	95	749054	10.00	ug/ml	0.00
13) IS2 1,4-Dibromobenzene	10.63	236	482462	10.00	ug/ml	0.00
19) IS3 Biphenyl	12.40	154	2169766	10.00	ug/ml	0.00

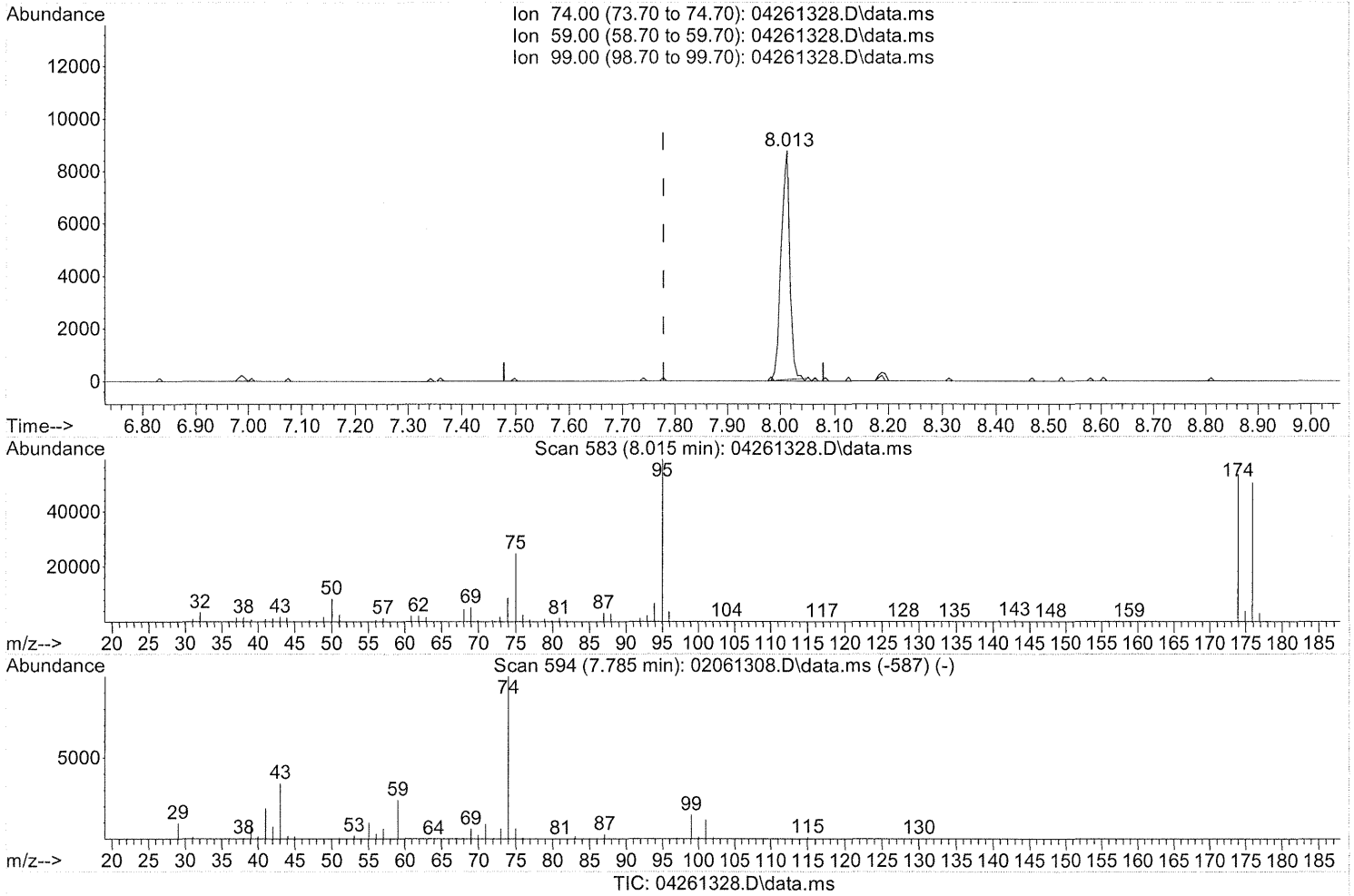
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Acetic acid	0.00	74	0	N.D.		
3) Propanoic acid	0.00	57	0	N.D.		
4) 2-Methylpropanoic acid	0.00	71	0	N.D.		
5) Butanoic acid	0.00	74	0	N.D.		
6) 2-Methylbutanoic acid	0.00	88	0	N.D.		
7) 3-Methylbutanoic acid	0.00	74	0	N.D.		
8) Pentanoic acid	0.00	74	0	N.D.		
9) 2-Methylpentanoic acid	0.00	88	0	N.D.		
10) 3-Methylpentanoic acid	0.00	74	0	N.D.	d	
11) 4-Methylpentanoic acid	0.00	74	0	N.D.	d	
12) Hexanoic acid	0.00	74	0	N.D.	d	
14) Heptanoic acid	0.00	74	0	N.D.		
15) 2-Ethylhexanoic acid	0.00	87	0	N.D.		
16) Cyclohexanecarboxylic ...	0.00	55	0	N.D.		
17) Octanoic acid	0.00	74	0	N.D.		
18) Benzoic acid	0.00	105	0	N.D.		
20) Nonanoic acid	0.00	74	0	N.D.		
21) Decanoic Acid	0.00	74	0	N.D.		

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (Qedit)

Data Path : J:\MS14\DATA\ACIDS\2013_04\26\
Data File : 04261328.D
Acq On : 26 Apr 2013 7:41 pm
Operator : EI
Sample : P1301655-001 Front 1.0ml
Misc :
ALS Vial : 27 Sample Multiplier: 1

Quant Time: Apr 27 08:51:41 2013
Quant Method : J:\MS14\METHODS\CA100912E.M
Quant Title : Short Chain Carboxylic Acids in Air
QLast Update : Fri Apr 05 11:12:06 2013
Response via : Initial Calibration



(10) 3-Methylpentanoic acid (T)

8.015min (+0.235) 0.52ug/ml

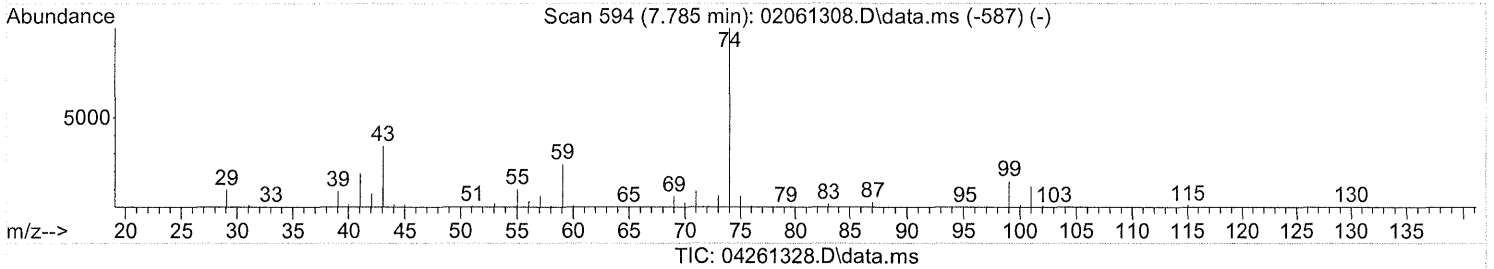
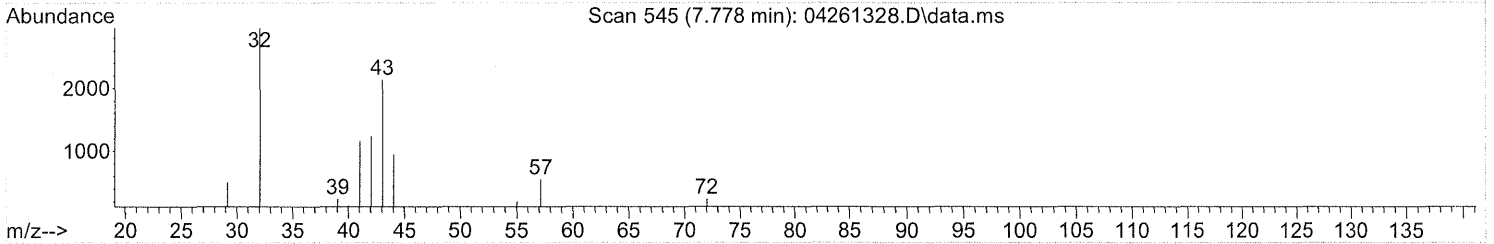
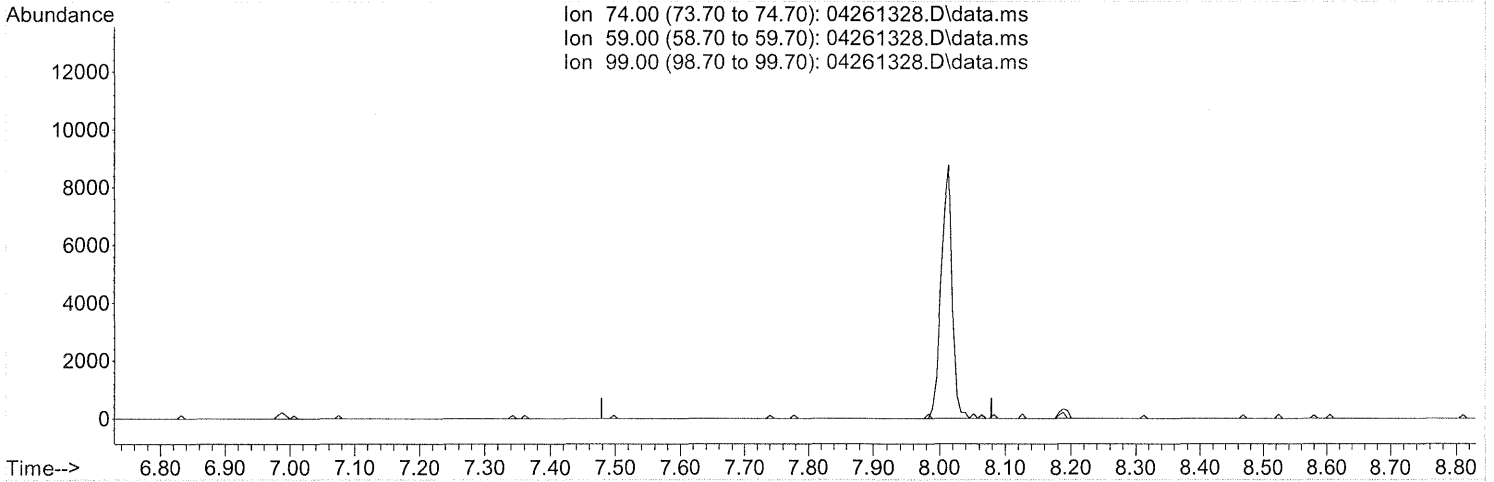
response 98816

Ion	Exp%	Act%
74.00	100	100
59.00	24.00	0.00#
99.00	14.70	0.00
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : J:\MS14\DATA\ACIDS\2013_04\26\
Data File : 04261328.D
Acq On : 26 Apr 2013 7:41 pm
Operator : EI
Sample : P1301655-001 Front 1.0ml
Misc :
ALS Vial : 27 Sample Multiplier: 1

Quant Time: Apr 27 08:51:41 2013
Quant Method : J:\MS14\METHODS\CA100912E.M
Quant Title : Short Chain Carboxylic Acids in Air
QLast Update : Fri Apr 05 11:12:06 2013
Response via : Initial Calibration



(10) 3-Methylpentanoic acid (T)

7.780min 0.00ug/ml d

response 0

Ion	Exp%	Act%
74.00	100	0.00
59.00	24.00	0.00
99.00	14.70	0.00
0.00	0.00	0.00

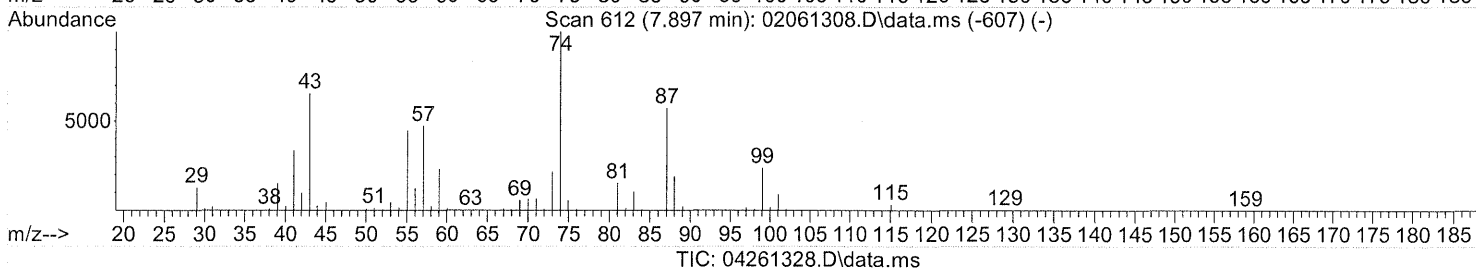
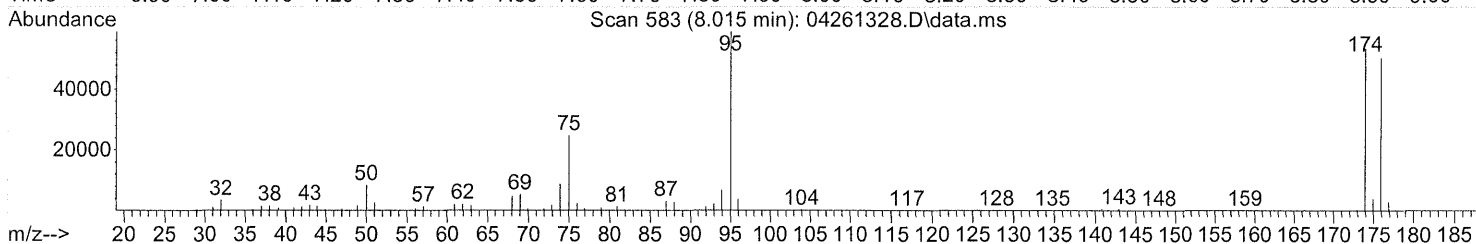
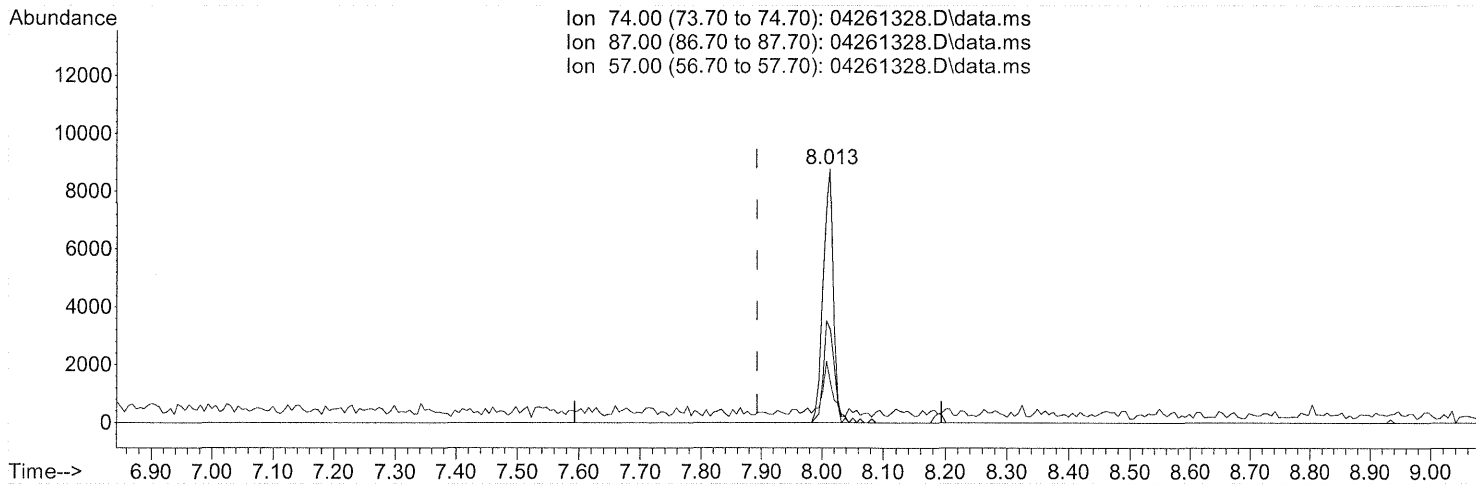
FP 4/20/13
EI

(K)
5/1/13

Quantitation Report (Qedit)

Data Path : J:\MS14\DATA\ACIDS\2013_04\26\
 Data File : 04261328.D
 Acq On : 26 Apr 2013 7:41 pm
 Operator : EI
 Sample : P1301655-001 Front 1.0ml
 Misc :
 ALS Vial : 27 Sample Multiplier: 1

Quant Time: Apr 27 08:51:41 2013
 Quant Method : J:\MS14\METHODS\CA100912E.M
 Quant Title : Short Chain Carboxylic Acids in Air
 QLast Update : Fri Apr 05 11:12:06 2013
 Response via : Initial Calibration



(11) 4-Methylpentanoic acid (T)

8.015min (+0.120) 1.05ug/ml

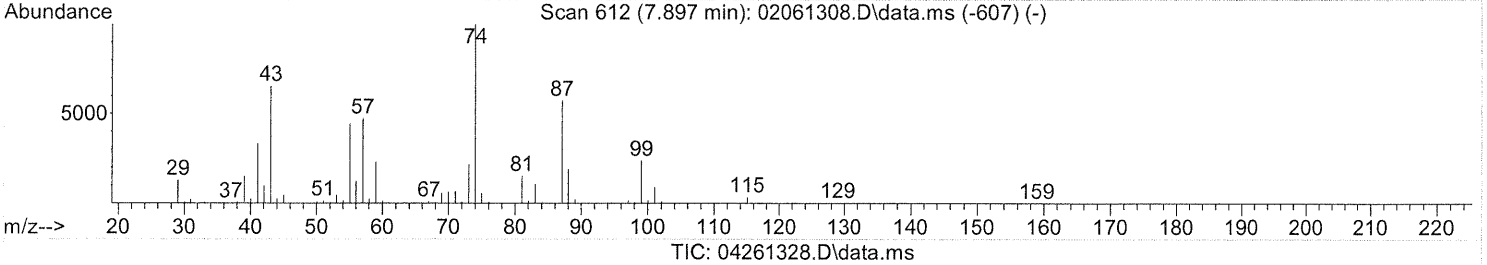
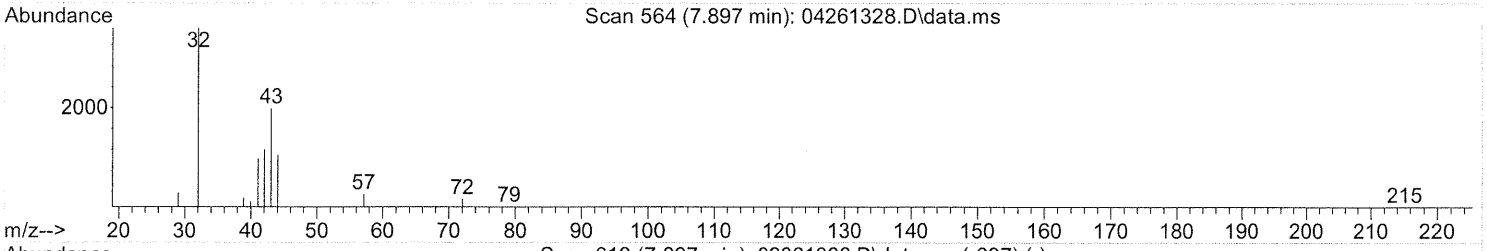
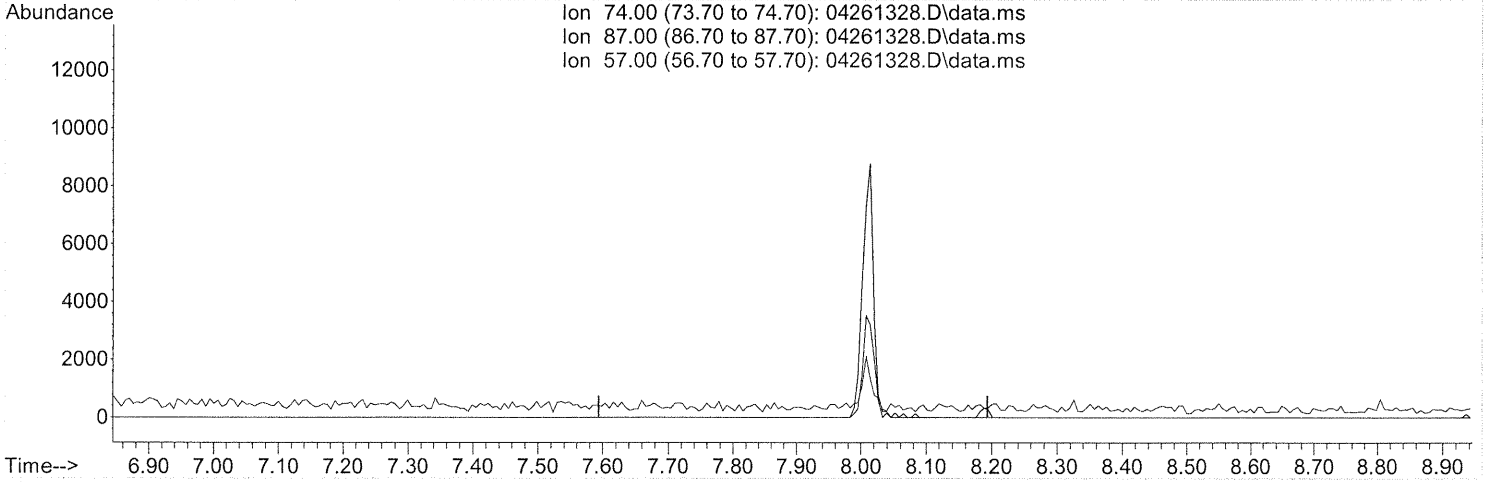
response 101788

Ion	Exp%	Act%
74.00	100	100
87.00	57.30	41.29
57.00	47.30	0.00#
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : J:\MS14\DATA\ACIDS\2013_04\26\
Data File : 04261328.D
Acq On : 26 Apr 2013 7:41 pm
Operator : EI
Sample : P1301655-001 Front 1.0ml
Misc :
ALS Vial : 27 Sample Multiplier: 1

Quant Time: Apr 27 08:51:41 2013
Quant Method : J:\MS14\METHODS\CA100912E.M
Quant Title : Short Chain Carboxylic Acids in Air
QLast Update : Fri Apr 05 11:12:06 2013
Response via : Initial Calibration



(11) 4-Methylpentanoic acid (T)

7.894min 0.00ug/ml d

response 0

Ion	Exp%	Act%
74.00	100	0.00
87.00	57.30	0.00
57.00	47.30	0.00
0.00	0.00	0.00

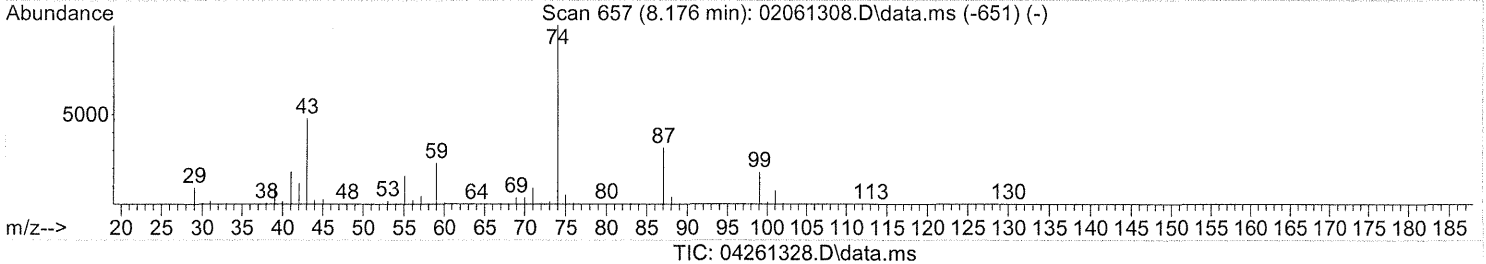
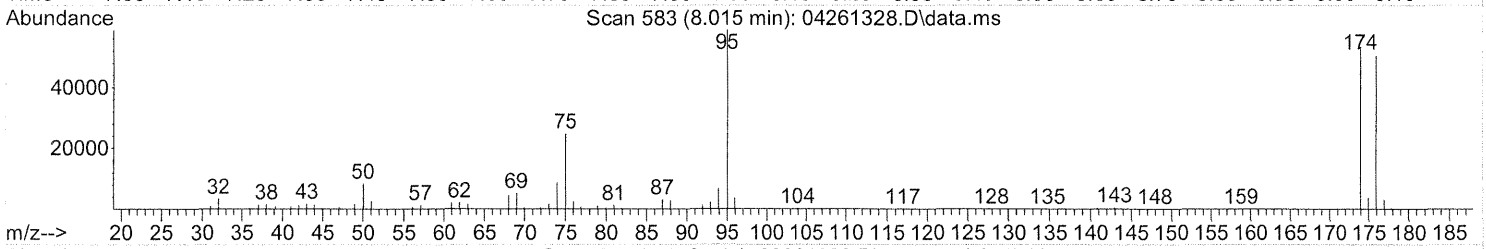
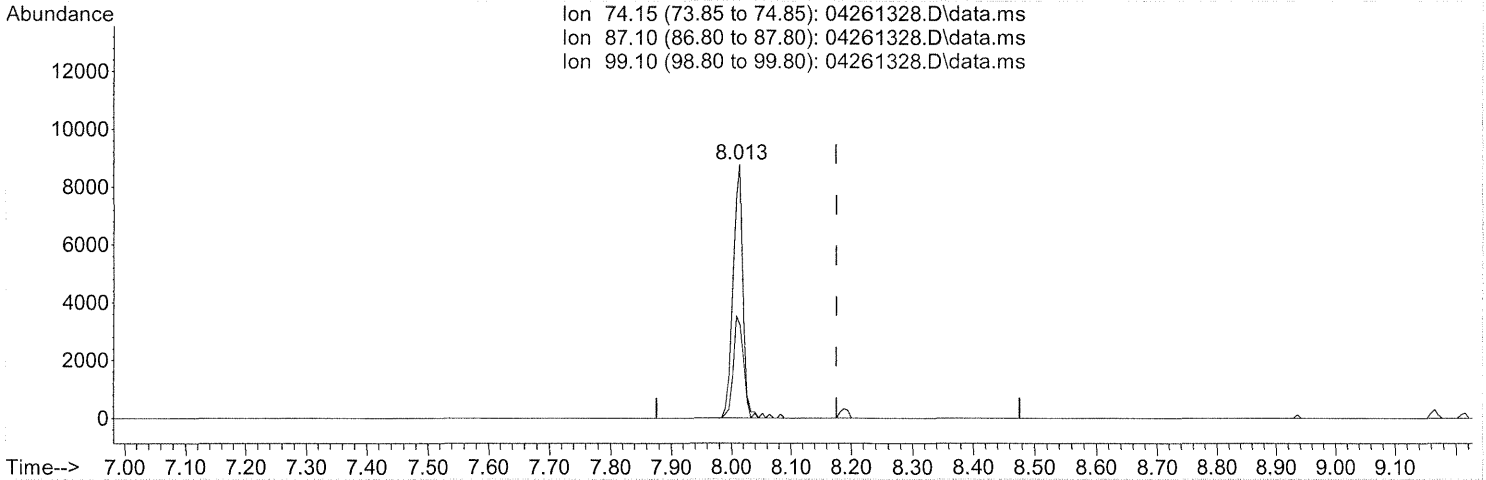
FP 4/30/13
EI

W
5/1/13

Quantitation Report (Qedit)

Data Path : J:\MS14\DATA\ACIDS\2013_04\26\
 Data File : 04261328.D
 Acq On : 26 Apr 2013 7:41 pm
 Operator : EI
 Sample : P1301655-001 Front 1.0ml
 Misc :
 ALS Vial : 27 Sample Multiplier: 1

Quant Time: Apr 27 08:51:41 2013
 Quant Method : J:\MS14\METHODS\CA100912E.M
 Quant Title : Short Chain Carboxylic Acids in Air
 QLast Update : Fri Apr 05 11:12:06 2013
 Response via : Initial Calibration



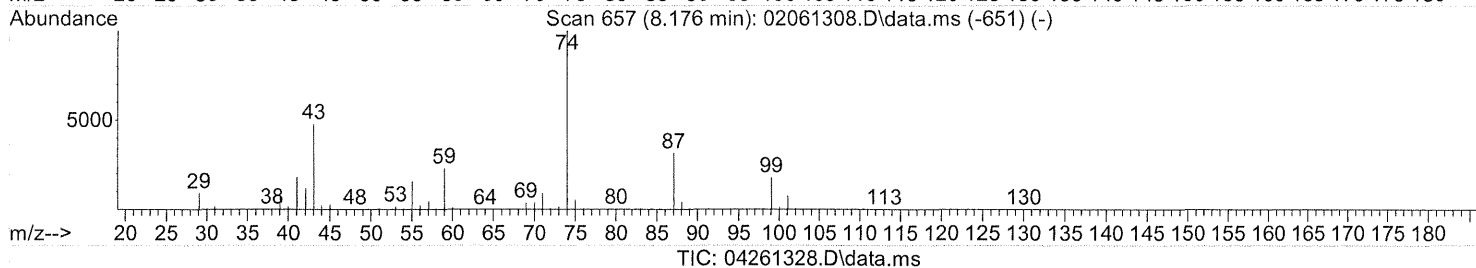
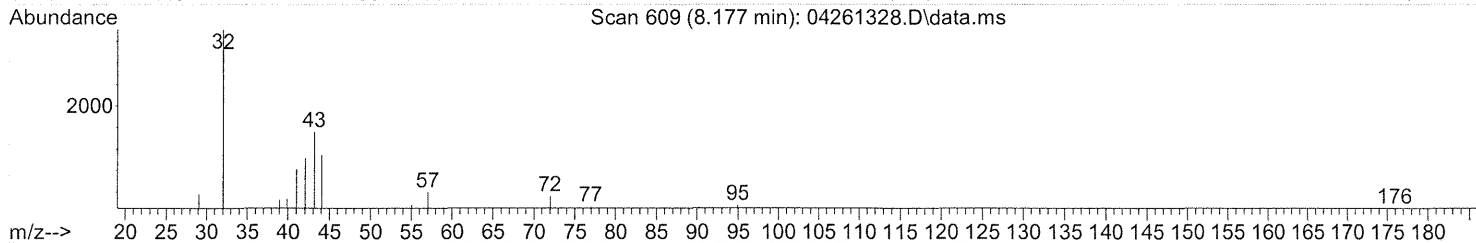
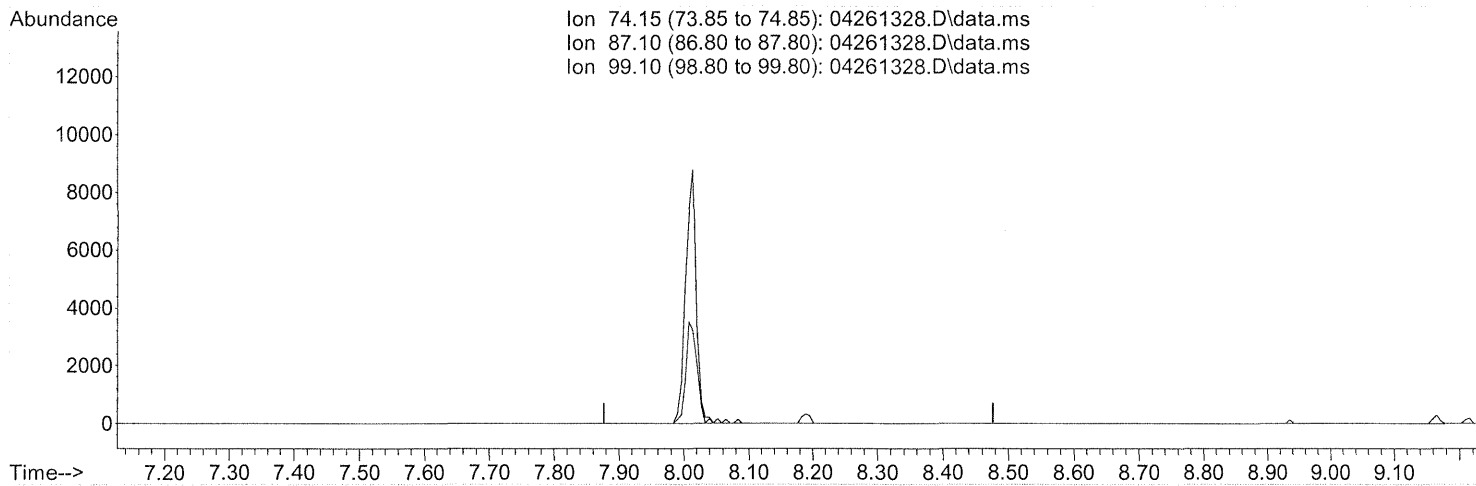
(12) Hexanoic acid (T)
 8.015min (-0.161) 0.62ug/ml
 response 102248

Ion	Exp%	Act%
74.15	100	100
87.10	31.40	41.10
99.10	17.80	0.00
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : J:\MS14\DATA\ACIDS\2013_04\26\
 Data File : 04261328.D
 Acq On : 26 Apr 2013 7:41 pm
 Operator : EI
 Sample : P1301655-001 Front 1.0ml
 Misc :
 ALS Vial : 27 Sample Multiplier: 1

Quant Time: Apr 27 08:51:41 2013
 Quant Method : J:\MS14\METHODS\CA100912E.M
 Quant Title : Short Chain Carboxylic Acids in Air
 QLast Update : Fri Apr 05 11:12:06 2013
 Response via : Initial Calibration



(12) Hexanoic acid (T)

8.177min 0.00ug/ml d
 response 0

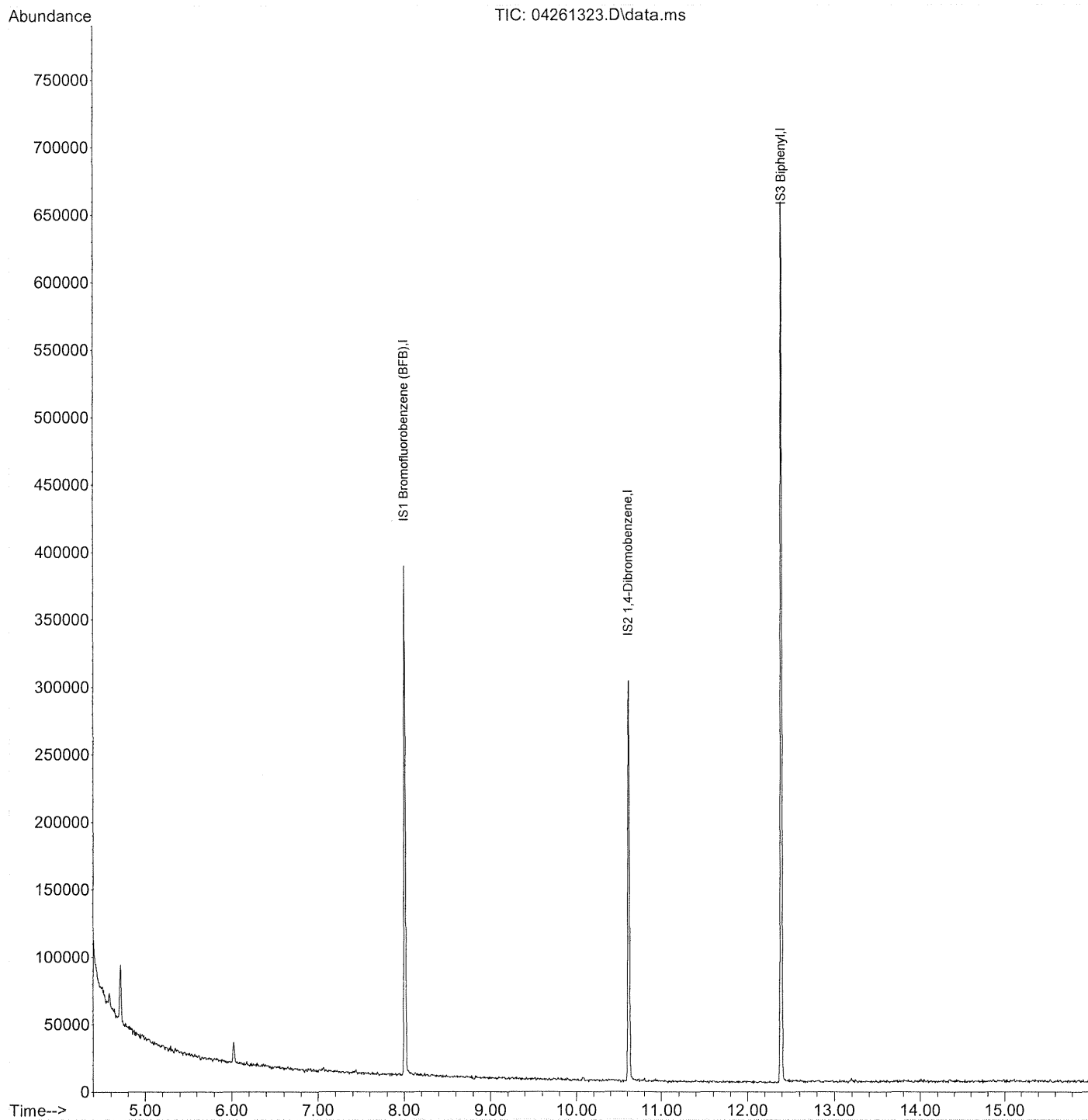
FP 4/30/13
 EI

70
 5/1/13

Ion	Exp%	Act%
74.15	100	0.00
87.10	31.40	0.00
99.10	17.80	0.00
0.00	0.00	0.00

Data Path : J:\MS14\DATA\ACIDS\2013_04\26\
Data File : 04261323.D
Acq On : 26 Apr 2013 5:58 pm
Operator : EI
Sample : P1301655-001 Back 1.0ml
Misc :
ALS Vial : 22 Sample Multiplier: 1

Quant Time: Apr 30 11:02:49 2013
Quant Method : J:\MS14\METHODS\CA100912E.M
Quant Title : Short Chain Carboxylic Acids in Air
QLast Update : Fri Apr 05 11:12:06 2013
Response via : Initial Calibration



Data Path : J:\MS14\DATA\ACIDS\2013_04\26\
 Data File : 04261323.D
 Acq On : 26 Apr 2013 5:58 pm
 Operator : EI
 Sample : P1301655-001 Back 1.0ml
 Misc :
 ALS Vial : 22 Sample Multiplier: 1

4/30/13
 ET

Quant Time: Apr 30 11:02:49 2013
 Quant Method : J:\MS14\METHODS\CA100912E.M
 Quant Title : Short Chain Carboxylic Acids in Air
 QLast Update : Fri Apr 05 11:12:06 2013
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev (Min)
1) IS1 Bromofluorobenzene...	8.01	95	1020637	10.00	ug/ml	0.00
13) IS2 1,4-Dibromobenzene	10.63	236	646342	10.00	ug/ml	0.00
19) IS3 Biphenyl	12.40	154	2877258	10.00	ug/ml	0.00

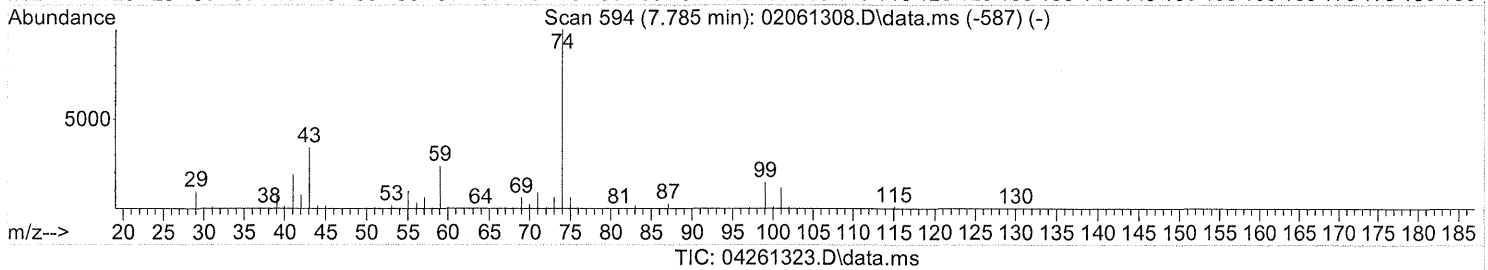
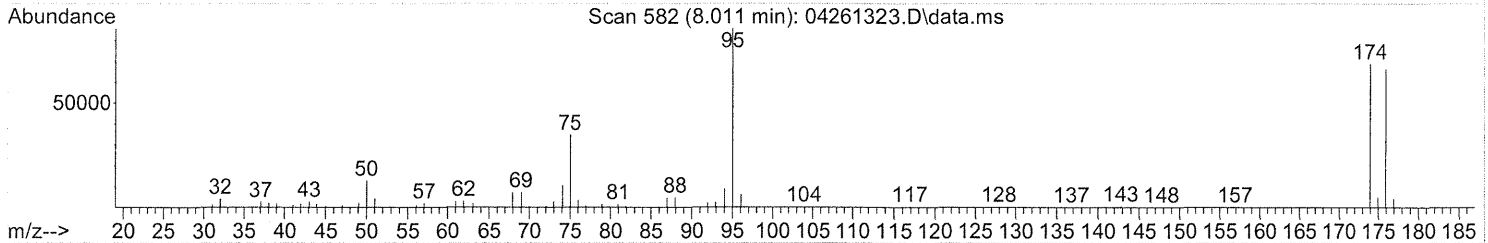
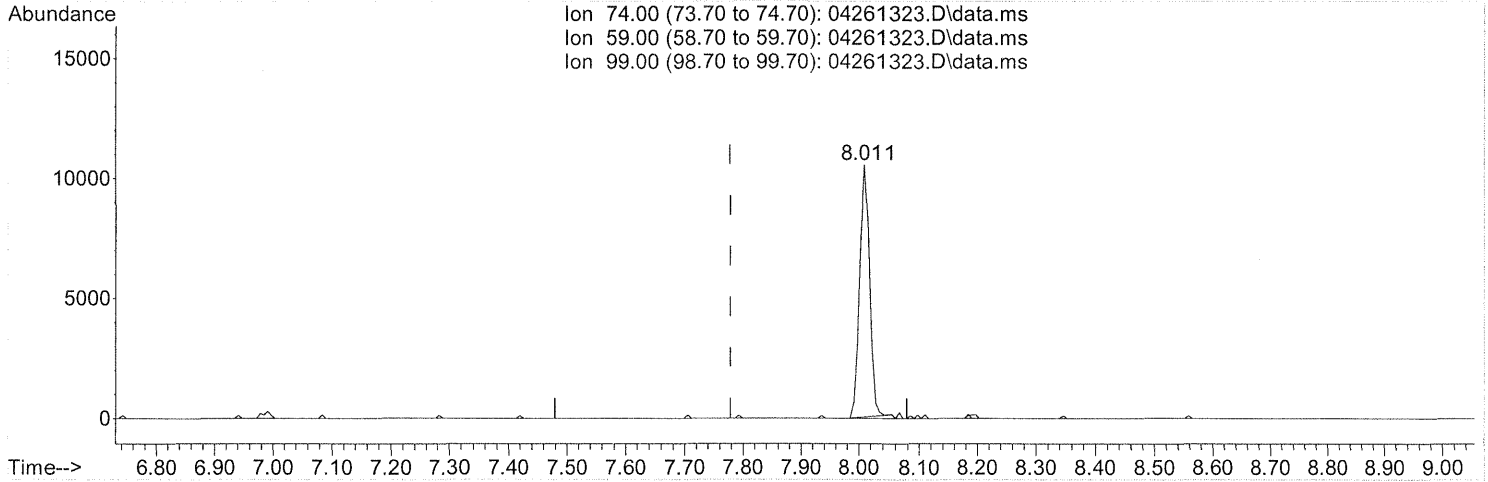
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Acetic acid	0.00	74	0	N.D.		
3) Propanoic acid	0.00	57	0	N.D.		
4) 2-Methylpropanoic acid	0.00	71	0	N.D.		
5) Butanoic acid	0.00	74	0	N.D.		
6) 2-Methylbutanoic acid	0.00	88	0	N.D.		
7) 3-Methylbutanoic acid	0.00	74	0	N.D.		
8) Pentanoic acid	0.00	74	0	N.D.		
9) 2-Methylpentanoic acid	0.00	88	0	N.D.		
10) 3-Methylpentanoic acid	0.00	74	0	N.D.	d	
11) 4-Methylpentanoic acid	0.00	74	0	N.D.	d	
12) Hexanoic acid	0.00	74	0	N.D.	d	
14) Heptanoic acid	0.00	74	0	N.D.		
15) 2-Ethylhexanoic acid	0.00	87	0	N.D.		
16) Cyclohexanecarboxylic ...	0.00	55	0	N.D.		
17) Octanoic acid	0.00	74	0	N.D.		
18) Benzoic acid	0.00	105	0	N.D.		
20) Nonanoic acid	0.00	74	0	N.D.		
21) Decanoic Acid	0.00	74	0	N.D.		

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (Qedit)

Data Path : J:\MS14\DATA\ACIDS\2013_04\26\
 Data File : 04261323.D
 Acq On : 26 Apr 2013 5:58 pm
 Operator : EI
 Sample : P1301655-001 Back 1.0ml
 Misc :
 ALS Vial : 22 Sample Multiplier: 1

Quant Time: Apr 27 08:43:43 2013
 Quant Method : J:\MS14\METHODS\CA100912E.M
 Quant Title : Short Chain Carboxylic Acids in Air
 QLast Update : Fri Apr 05 11:12:06 2013
 Response via : Initial Calibration



(10) 3-Methylpentanoic acid (T)

8.014min (+0.234) 0.47ug/ml

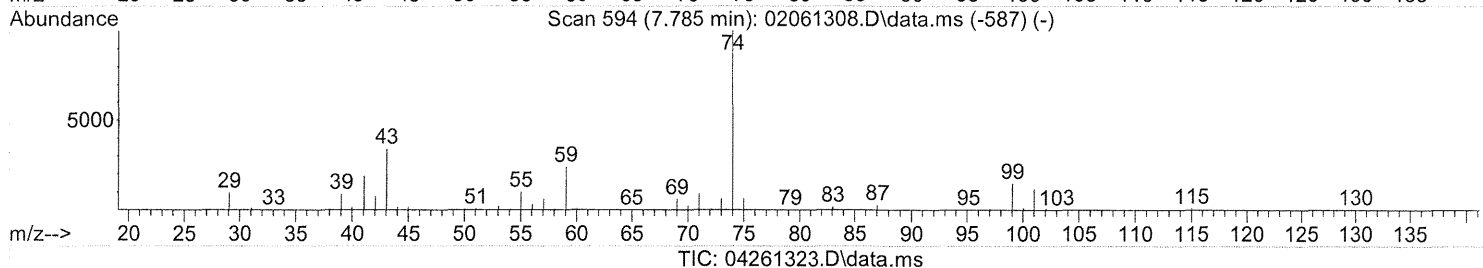
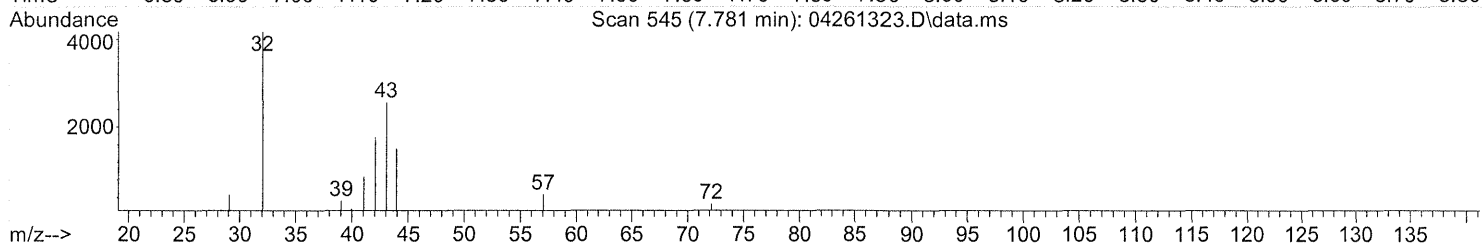
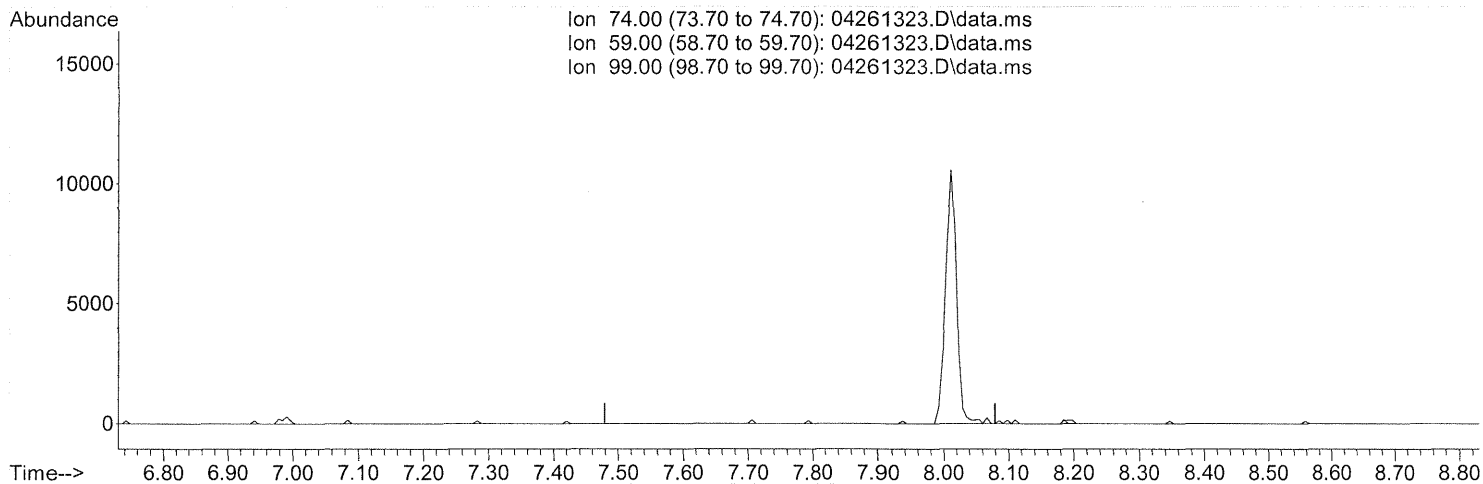
response 123214

Ion	Exp%	Act%
74.00	100	100
59.00	24.00	0.00#
99.00	14.70	0.00
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : J:\MS14\DATA\ACIDS\2013_04\26\
 Data File : 04261323.D
 Acq On : 26 Apr 2013 5:58 pm
 Operator : EI
 Sample : P1301655-001 Back 1.0ml
 Misc :
 ALS Vial : 22 Sample Multiplier: 1

Quant Time: Apr 27 08:43:43 2013
 Quant Method : J:\MS14\METHODS\CA100912E.M
 Quant Title : Short Chain Carboxylic Acids in Air
 QLast Update : Fri Apr 05 11:12:06 2013
 Response via : Initial Calibration



(10) 3-Methylpentanoic acid (T)

7.780min 0.00ug/ml d

response 0

Ion	Exp%	Act%
74.00	100	0.00
59.00	24.00	0.00
99.00	14.70	0.00
0.00	0.00	0.00

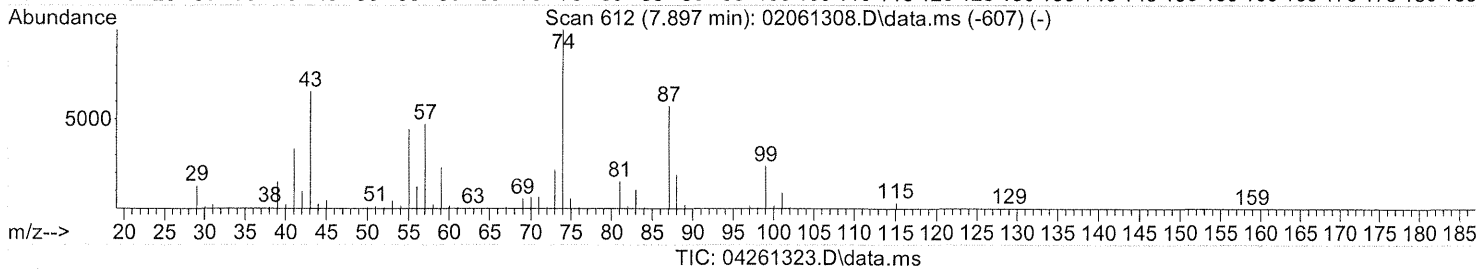
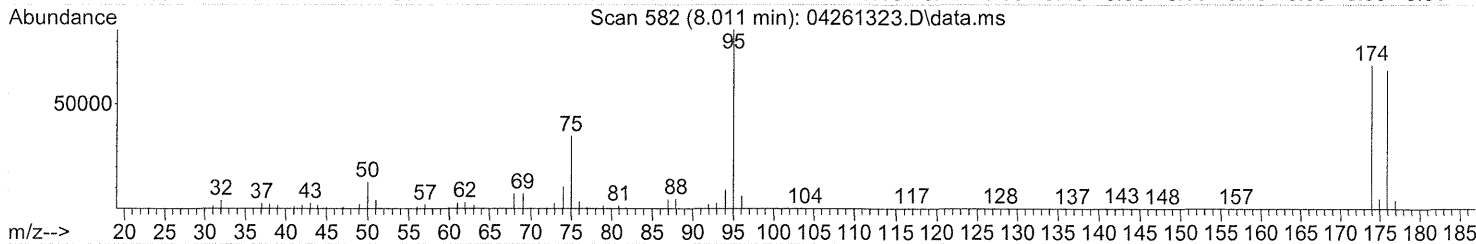
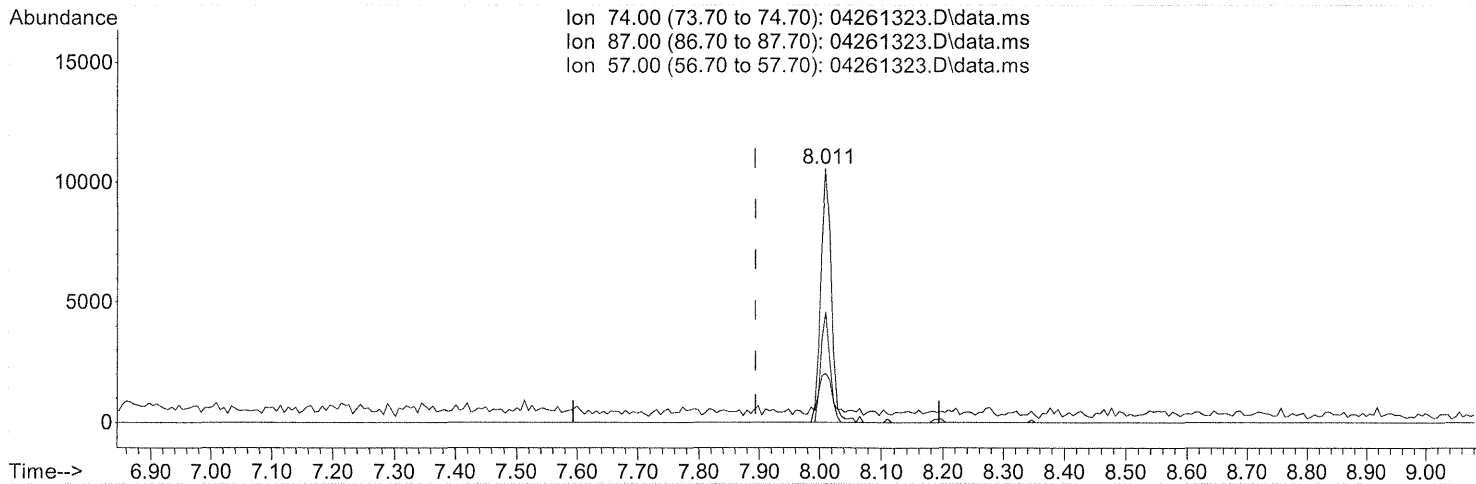
FD 4/30/13
 EI

20
 5/1/13

Quantitation Report (Qedit)

Data Path : J:\MS14\DATA\ACIDS\2013_04\26\
 Data File : 04261323.D
 Acq On : 26 Apr 2013 5:58 pm
 Operator : EI
 Sample : P1301655-001 Back 1.0ml
 Misc :
 ALS Vial : 22 Sample Multiplier: 1

Quant Time: Apr 27 08:43:43 2013
 Quant Method : J:\MS14\METHODS\CA100912E.M
 Quant Title : Short Chain Carboxylic Acids in Air
 QLast Update : Fri Apr 05 11:12:06 2013
 Response via : Initial Calibration



(11) 4-Methylpentanoic acid (T)

8.014min (+0.119) 0.96ug/ml

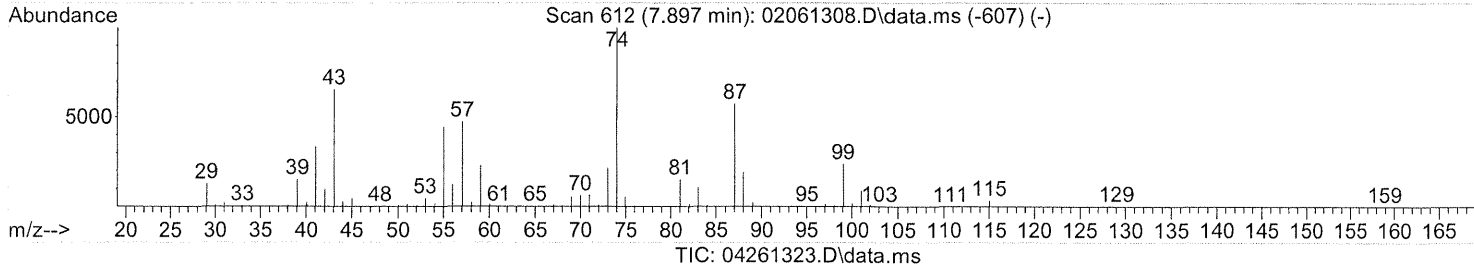
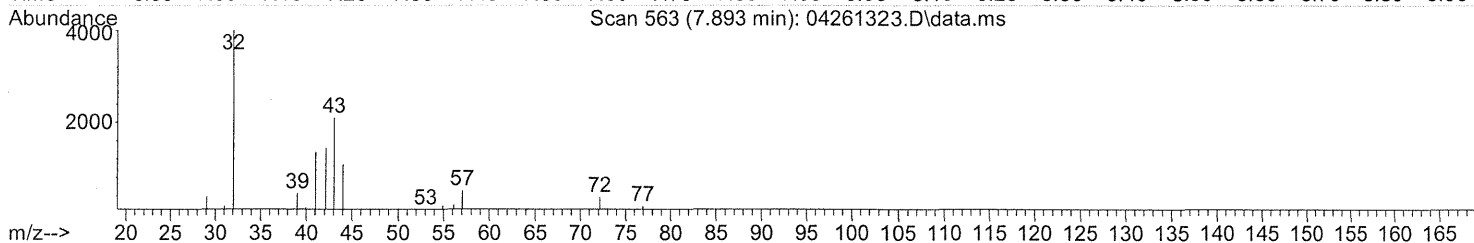
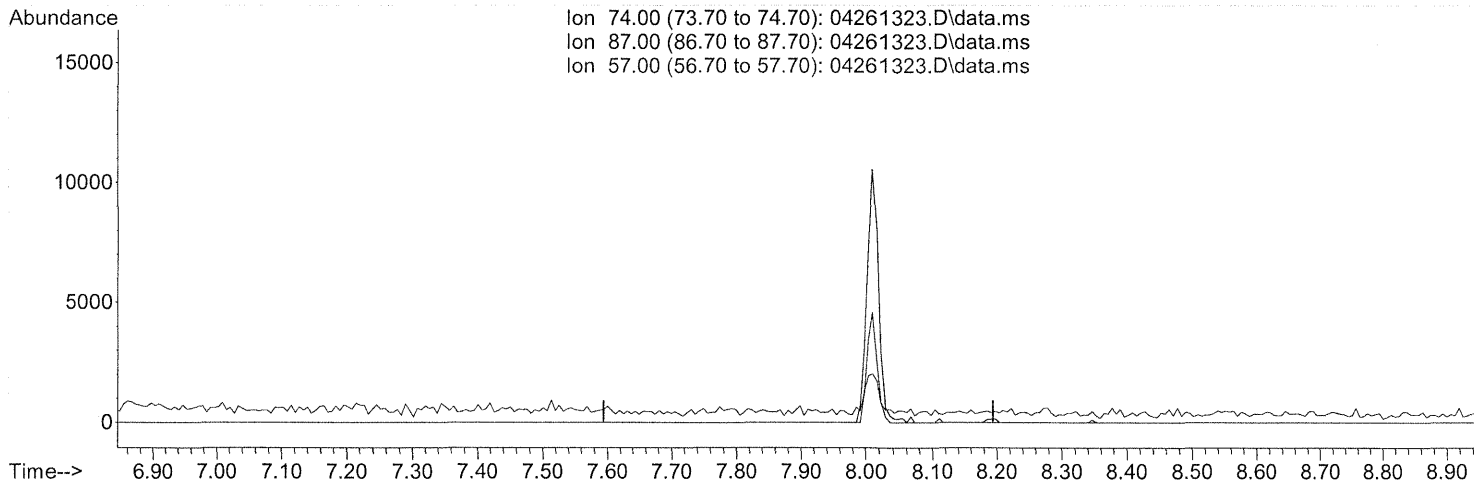
response 127176

Ion	Exp%	Act%
74.00	100	100
87.00	57.30	37.52
57.00	47.30	22.43#
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : J:\MS14\DATA\ACIDS\2013_04\26\
Data File : 04261323.D
Acq On : 26 Apr 2013 5:58 pm
Operator : EI
Sample : P1301655-001 Back 1.0ml
Misc :
ALS Vial : 22 Sample Multiplier: 1

Quant Time: Apr 27 08:43:43 2013
Quant Method : J:\MS14\METHODS\CA100912E.M
Quant Title : Short Chain Carboxylic Acids in Air
QLast Update : Fri Apr 05 11:12:06 2013
Response via : Initial Calibration



(11) 4-Methylpentanoic acid (T)

7.894min 0.00ug/ml d

response 0

Ion	Exp%	Act%
74.00	100	0.00
87.00	57.30	0.00
57.00	47.30	0.00
0.00	0.00	0.00

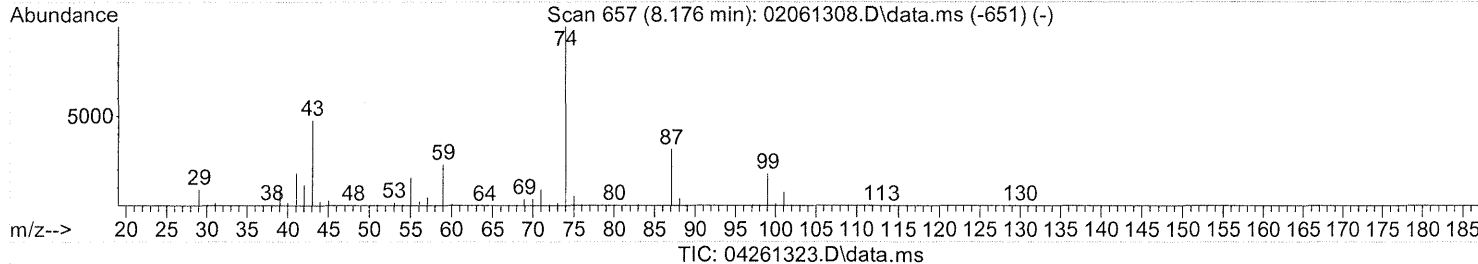
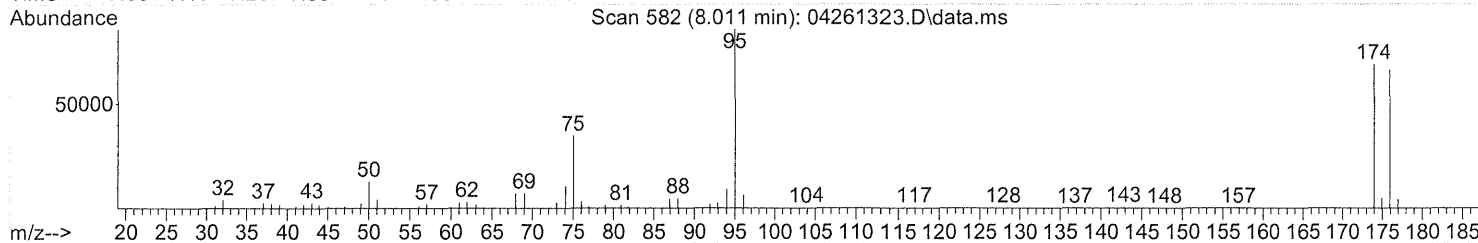
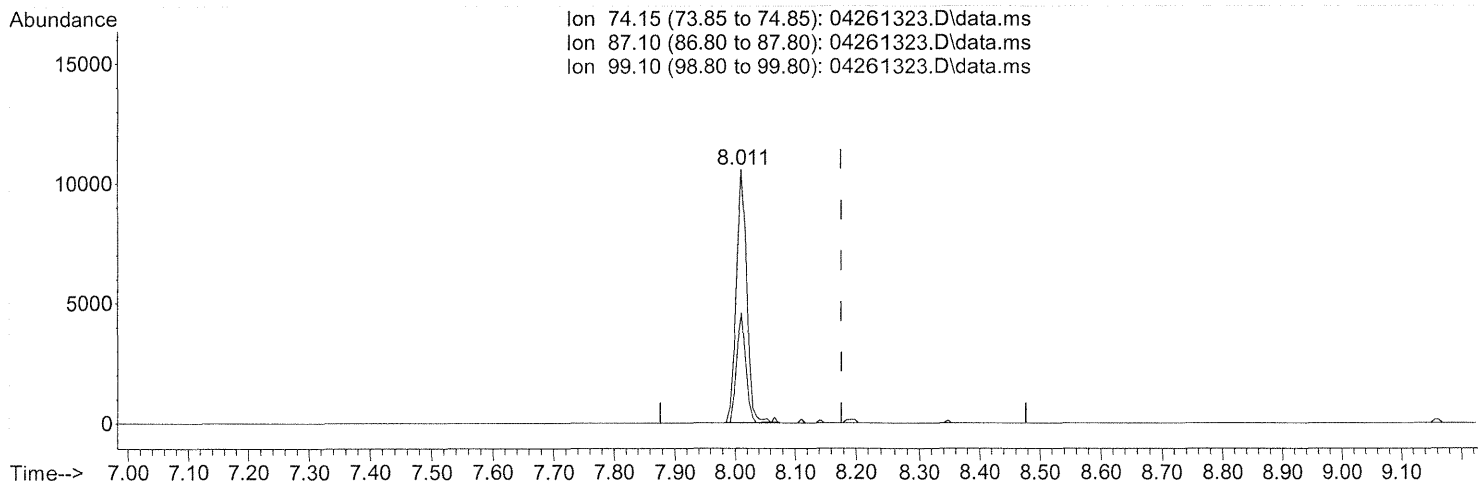
EP 4/30/13
EI

(Handwritten signature)
4/1/13

Quantitation Report (Qedit)

Data Path : J:\MS14\DATA\ACIDS\2013_04\26\
 Data File : 04261323.D
 Acq On : 26 Apr 2013 5:58 pm
 Operator : EI
 Sample : P1301655-001 Back 1.0ml
 Misc :
 ALS Vial : 22 Sample Multiplier: 1

Quant Time: Apr 27 08:43:43 2013
 Quant Method : J:\MS14\METHODS\CA100912E.M
 Quant Title : Short Chain Carboxylic Acids in Air
 QLast Update : Fri Apr 05 11:12:06 2013
 Response via : Initial Calibration



(12) Hexanoic acid (T)

8.014min (-0.163) 0.56ug/ml

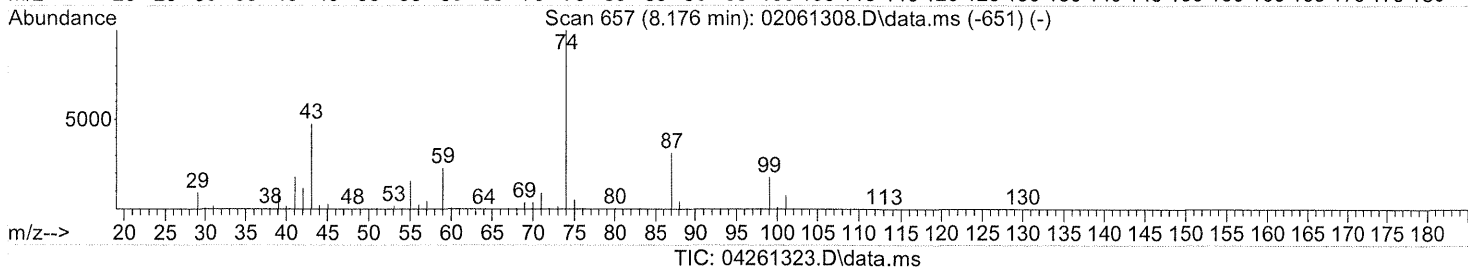
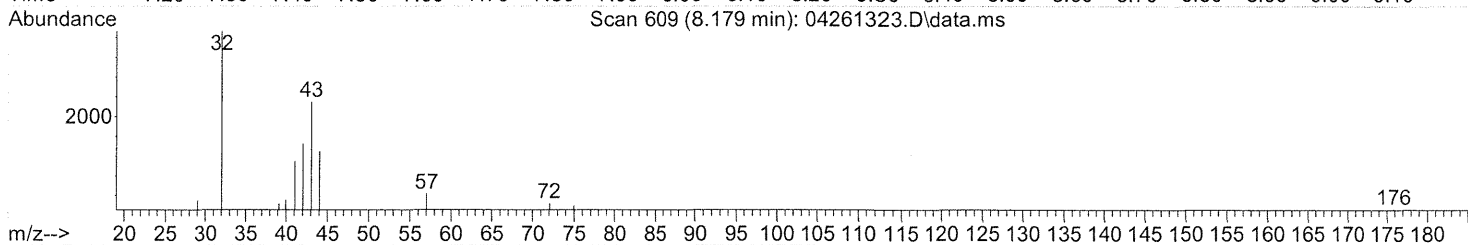
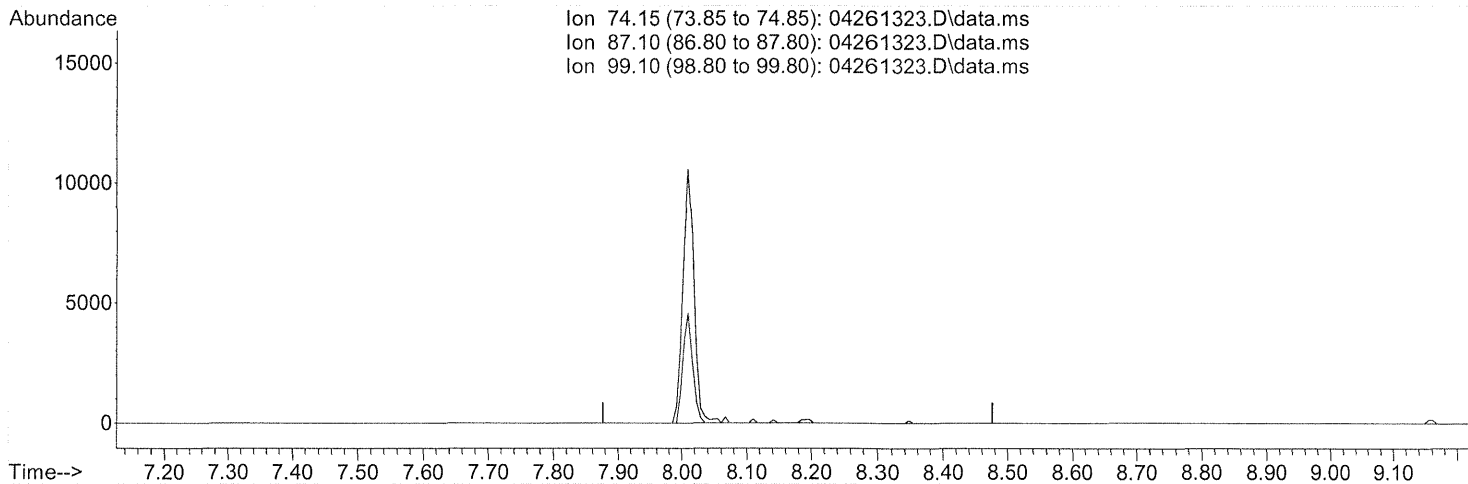
response 126297

Ion	Exp%	Act%
74.15	100	100
87.10	31.40	37.78
99.10	17.80	0.00
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : J:\MS14\DATA\ACIDS\2013_04\26\
Data File : 04261323.D
Acq On : 26 Apr 2013 5:58 pm
Operator : EI
Sample : P1301655-001 Back 1.0ml
Misc :
ALS Vial : 22 Sample Multiplier: 1

Quant Time: Apr 27 08:43:43 2013
Quant Method : J:\MS14\METHODS\CA100912E.M
Quant Title : Short Chain Carboxylic Acids in Air
QLast Update : Fri Apr 05 11:12:06 2013
Response via : Initial Calibration



(12) Hexanoic acid (T)
8.177min 0.00ug/ml d
response 0

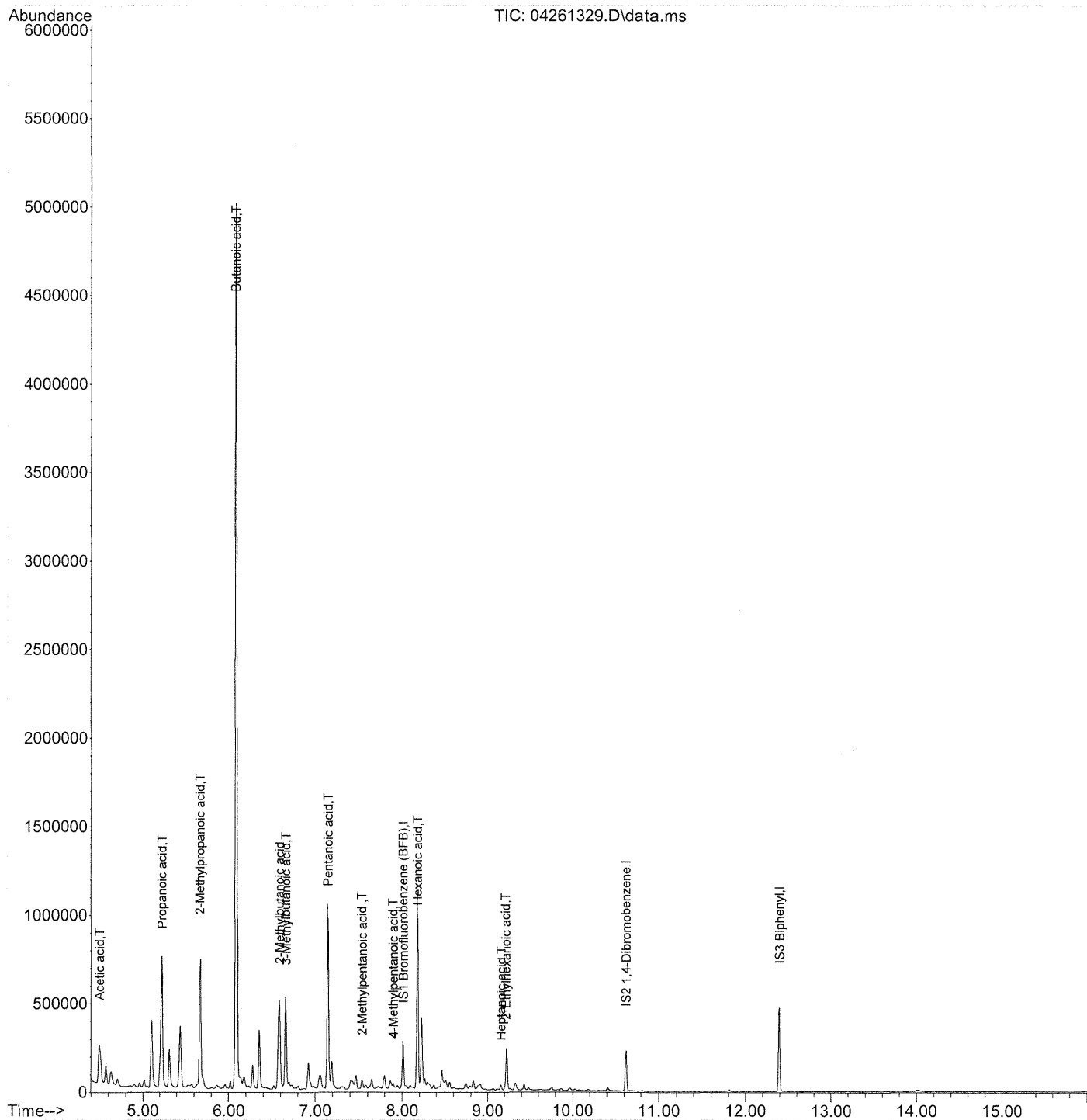
Fp 4/30/13
EI

(Handwritten signature)
5/1/13

Ion	Exp%	Act%
74.15	100	0.00
87.10	31.40	0.00
99.10	17.80	0.00
0.00	0.00	0.00

Data Path : J:\MS14\DATA\ACIDS\2013_04\26\
 Data File : 04261329.D
 Acq On : 26 Apr 2013 8:02 pm
 Operator : EI
 Sample : P1301655-002 Front 1.0ml
 Misc :
 ALS Vial : 28 Sample Multiplier: 1

Quant Time: Apr 30 11:15:08 2013
 Quant Method : J:\MS14\METHODS\CA100912E.M
 Quant Title : Short Chain Carboxylic Acids in Air
 QLast Update : Fri Apr 05 11:12:06 2013
 Response via : Initial Calibration



Data Path : J:\MS14\DATA\ACIDS\2013_04\26\
 Data File : 04261329.D
 Acq On : 26 Apr 2013 8:02 pm
 Operator : EI
 Sample : P1301655-002 Front 1.0ml
 Misc :
 ALS Vial : 28 Sample Multiplier: 1

4/30/13
 Et

Quant Time: Apr 30 11:15:08 2013
 Quant Method : J:\MS14\METHODS\CA100912E.M
 Quant Title : Short Chain Carboxylic Acids in Air
 QLast Update : Fri Apr 05 11:12:06 2013
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) IS1 Bromofluorobenzene...	8.01	95	657291	10.00	ug/ml	0.00
13) IS2 1,4-Dibromobenzene	10.62	236	459597	10.00	ug/ml	0.00
19) IS3 Biphenyl	12.39	154	2071014	10.00	ug/ml	0.00

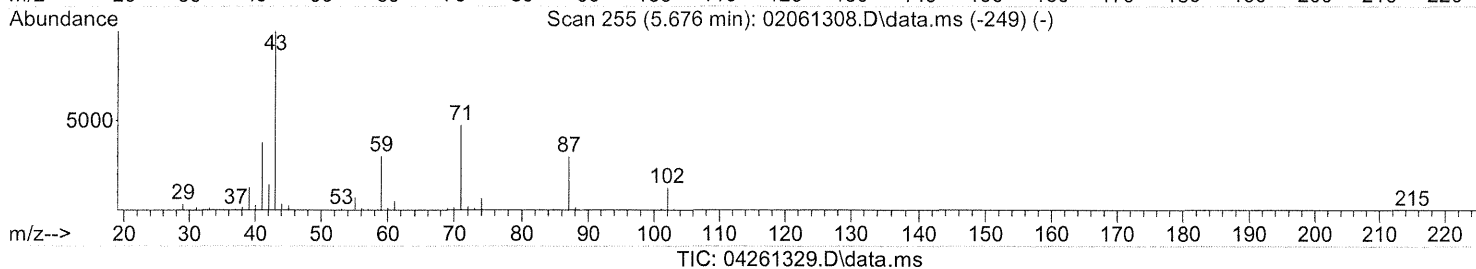
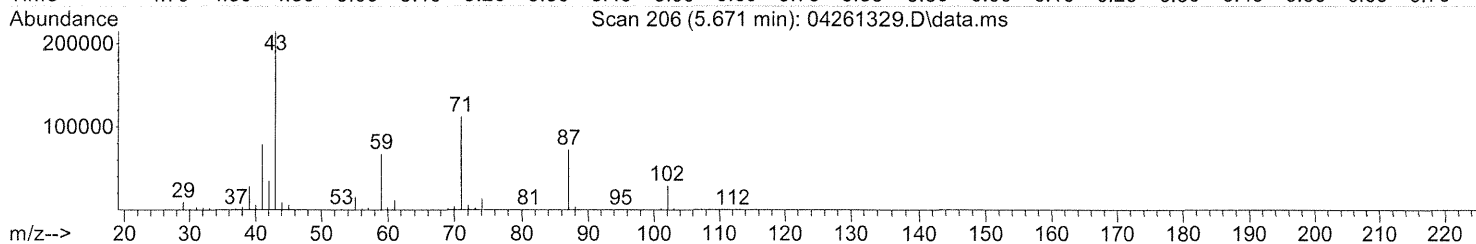
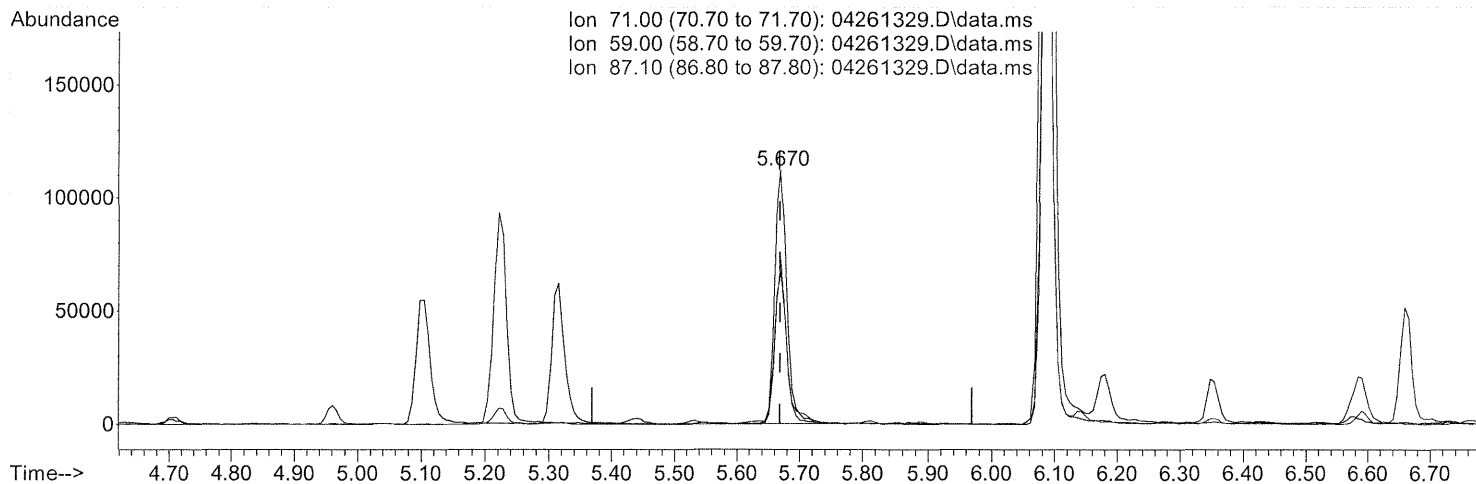
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Acetic acid	4.50	74	658451	117.27	ug/ml#	38
3) Propanoic acid	5.23	57	4052549	96.05	ug/ml	95
4) 2-Methylpropanoic acid	5.67	71	1512761	46.82	ug/ml	98
5) Butanoic acid	6.09	74	13886925	245.61	ug/ml	99
6) 2-Methylbutanoic acid	6.59	88	1043186	12.48	ug/ml	98
7) 3-Methylbutanoic acid	6.66	74	2017497	18.62	ug/ml	98
8) Pentanoic acid	7.15	74	3782177	35.22	ug/ml	96
9) 2-Methylpentanoic acid	7.54	88	134354	0.92	ug/ml#	64
10) 3-Methylpentanoic acid	0.00	74	0	N.D.	d	
11) 4-Methylpentanoic acid	7.90	74	65447m	0.77	ug/ml	
12) Hexanoic acid	8.18	74	4126281	28.32	ug/ml	99
14) Heptanoic acid	9.16	74	87087m	0.51	ug/ml	
15) 2-Ethylhexanoic acid	9.21	87	57173	0.44	ug/ml#	78 FP
16) Cyclohexanecarboxylic ...	0.00	55	0	N.D.	d	
17) Octanoic acid	0.00	74	0	N.D.		
18) Benzoic acid	0.00	105	0	N.D.		
20) Nonanoic acid	0.00	74	0	N.D.		
21) Decanoic Acid	0.00	74	0	N.D.		

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (Qedit)

Data Path : J:\MS14\DATA\ACIDS\2013_04\26\
 Data File : 04261329.D
 Acq On : 26 Apr 2013 8:02 pm
 Operator : EI
 Sample : P1301655-002 Front 1.0ml
 Misc :
 ALS Vial : 28 Sample Multiplier: 1

Quant Time: Apr 27 08:51:57 2013
 Quant Method : J:\MS14\METHODS\CA100912E.M
 Quant Title : Short Chain Carboxylic Acids in Air
 QLast Update : Fri Apr 05 11:12:06 2013
 Response via : Initial Calibration



(4) 2-Methylpropanoic acid (T)

5.673min (+0.003) 46.82ug/ml

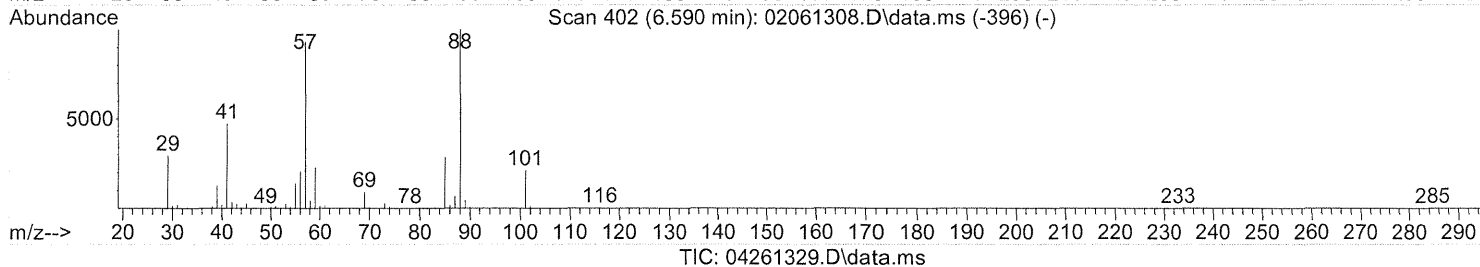
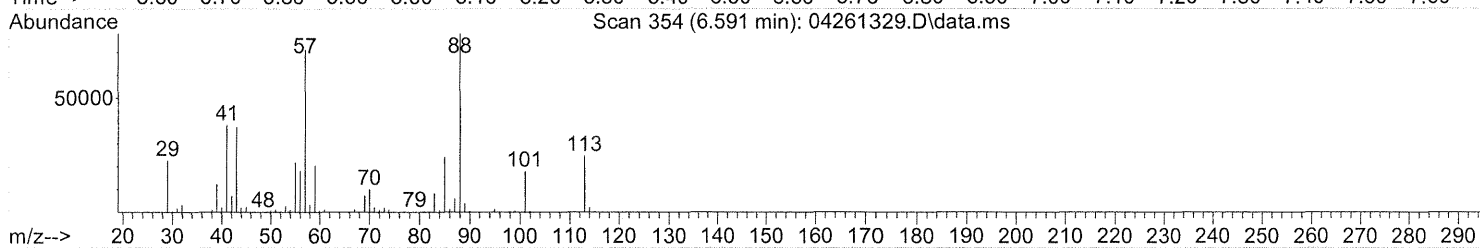
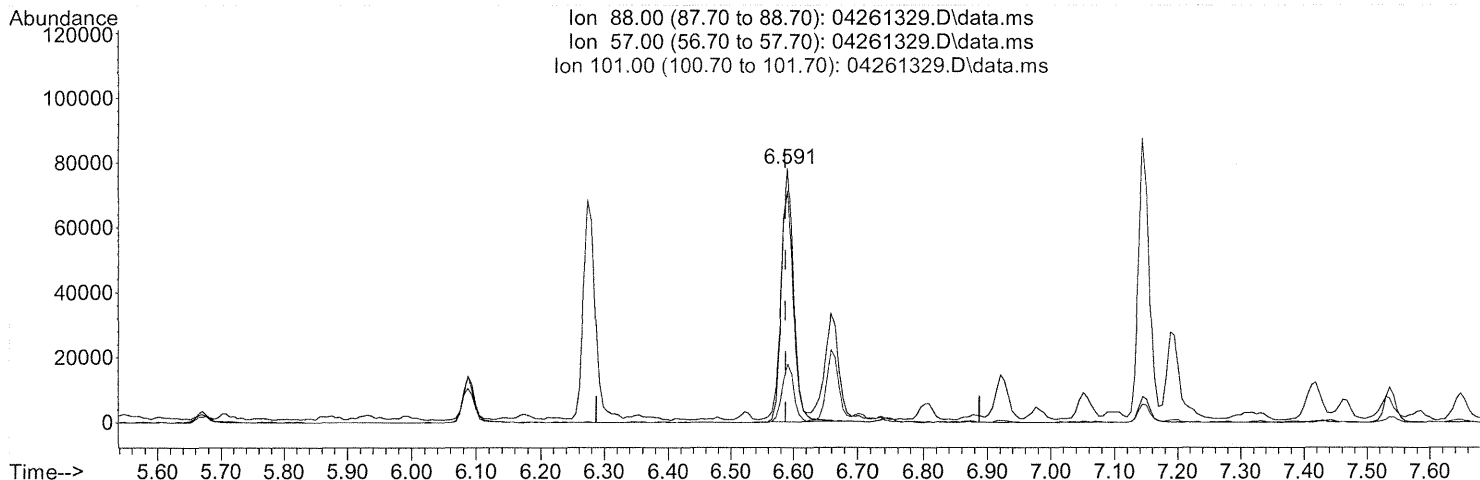
response 1512761

Ion	Exp%	Act%
71.00	100	100
59.00	61.50	60.65
87.10	60.50	63.39
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : J:\MS14\DATA\ACIDS\2013_04\26\
 Data File : 04261329.D
 Acq On : 26 Apr 2013 8:02 pm
 Operator : EI
 Sample : P1301655-002 Front 1.0ml
 Misc :
 ALS Vial : 28 Sample Multiplier: 1

Quant Time: Apr 27 08:51:57 2013
 Quant Method : J:\MS14\METHODS\CA100912E.M
 Quant Title : Short Chain Carboxylic Acids in Air
 QLast Update : Fri Apr 05 11:12:06 2013
 Response via : Initial Calibration



(6) 2-Methylbutanoic acid
 6.594min (+0.006) 12.48ug/ml

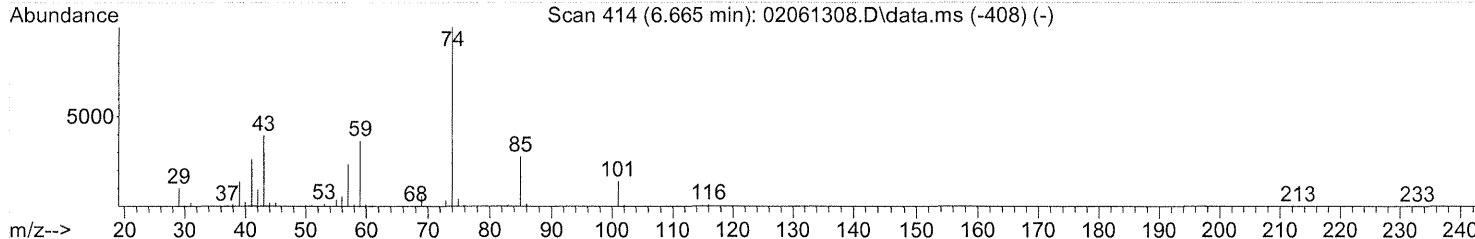
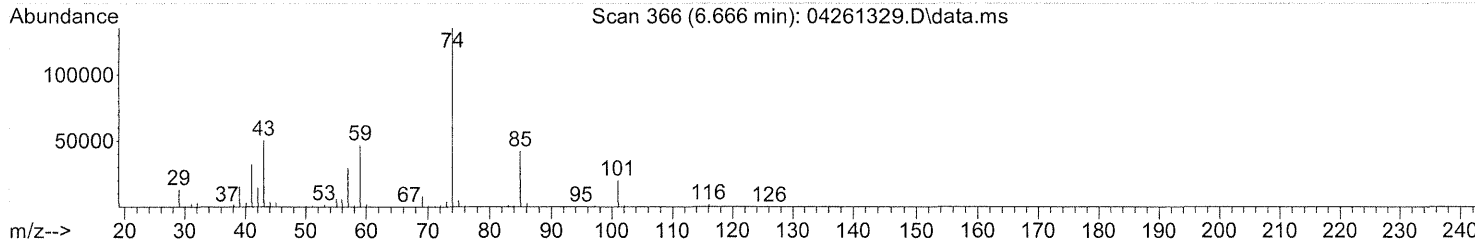
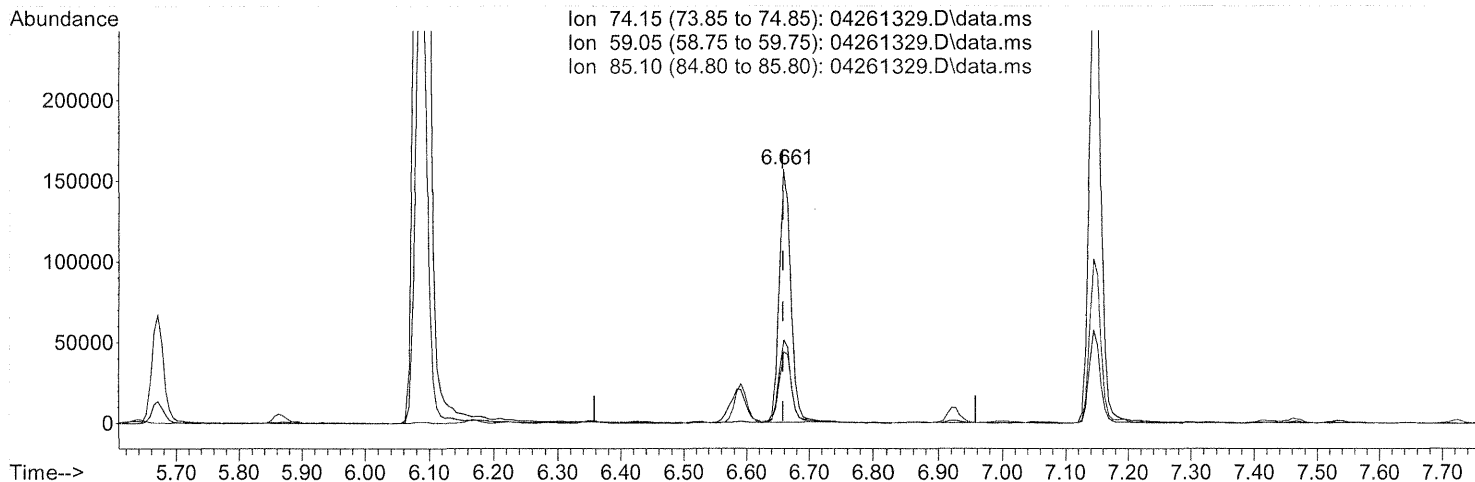
response 1043186

Ion	Exp%	Act%
88.00	100	100
57.00	90.80	92.69
101.00	21.80	21.47
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : J:\MS14\DATA\ACIDS\2013_04\26\
 Data File : 04261329.D
 Acq On : 26 Apr 2013 8:02 pm
 Operator : EI
 Sample : P1301655-002 Front 1.0ml
 Misc :
 ALS Vial : 28 Sample Multiplier: 1

Quant Time: Apr 27 08:51:57 2013
 Quant Method : J:\MS14\METHODS\CA100912E.M
 Quant Title : Short Chain Carboxylic Acids in Air
 QLast Update : Fri Apr 05 11:12:06 2013
 Response via : Initial Calibration



TIC: 04261329.D\data.ms

(7) 3-Methylbutanoic acid (T)

6.664min (+0.006) 18.62ug/ml

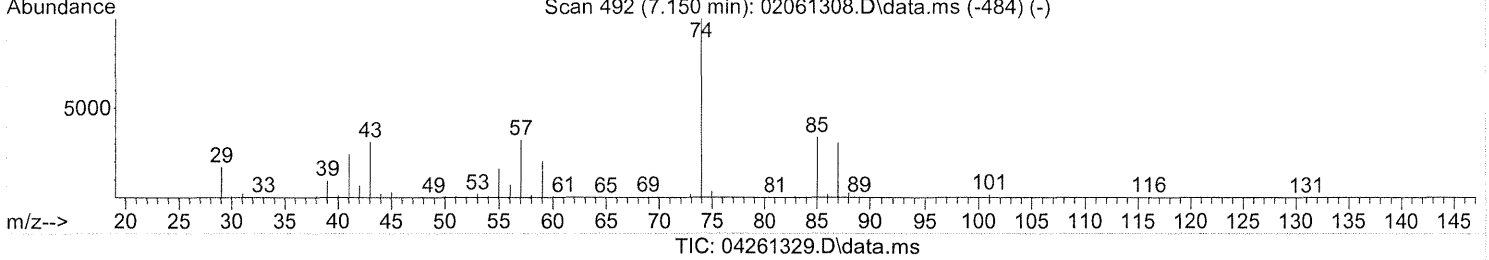
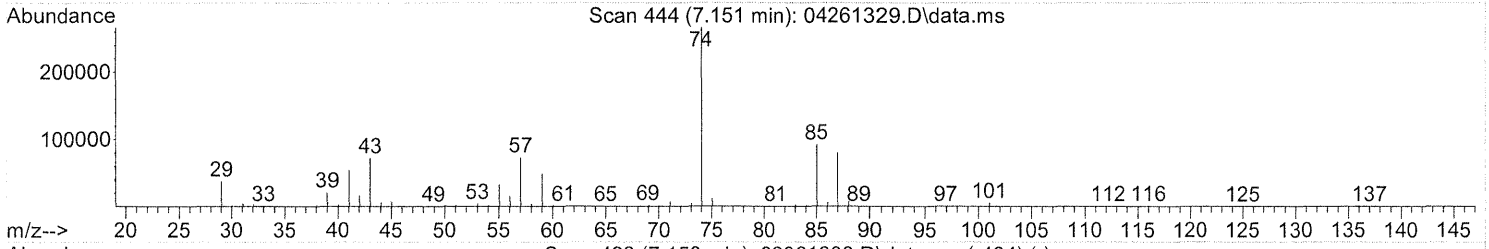
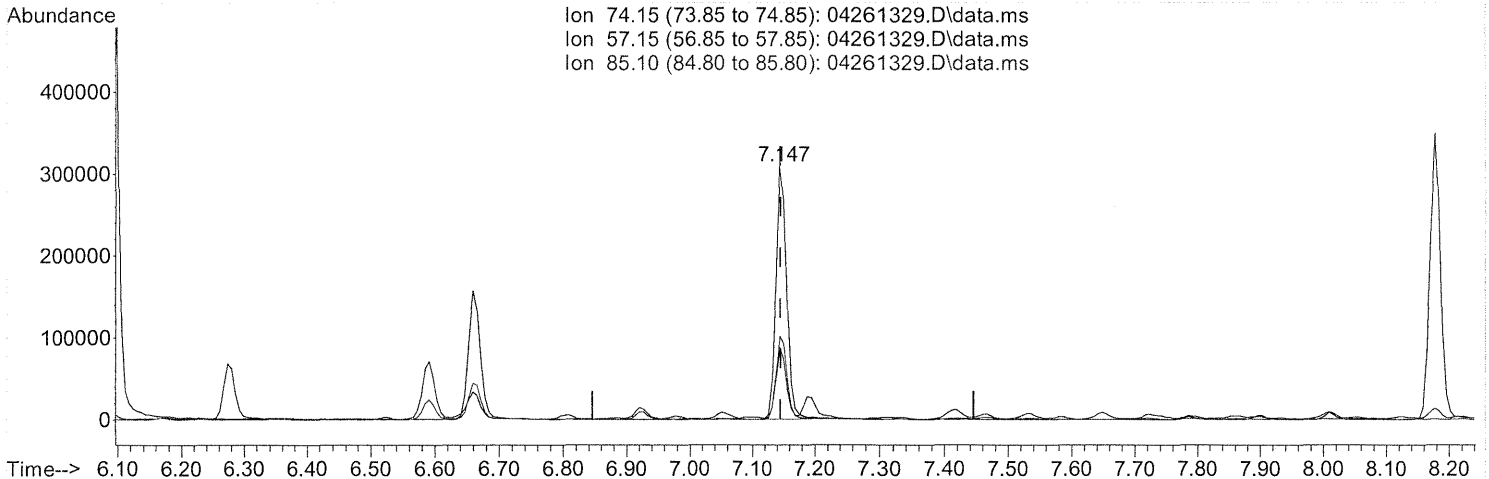
response 2017497

Ion	Exp%	Act%
74.15	100	100
59.05	36.50	35.84
85.10	27.70	29.19
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : J:\MS14\DATA\ACIDS\2013_04\26\
 Data File : 04261329.D
 Acq On : 26 Apr 2013 8:02 pm
 Operator : EI
 Sample : P1301655-002 Front 1.0ml
 Misc :
 ALS Vial : 28 Sample Multiplier: 1

Quant Time: Apr 27 08:51:57 2013
 Quant Method : J:\MS14\METHODS\CA100912E.M
 Quant Title : Short Chain Carboxylic Acids in Air
 QLast Update : Fri Apr 05 11:12:06 2013
 Response via : Initial Calibration



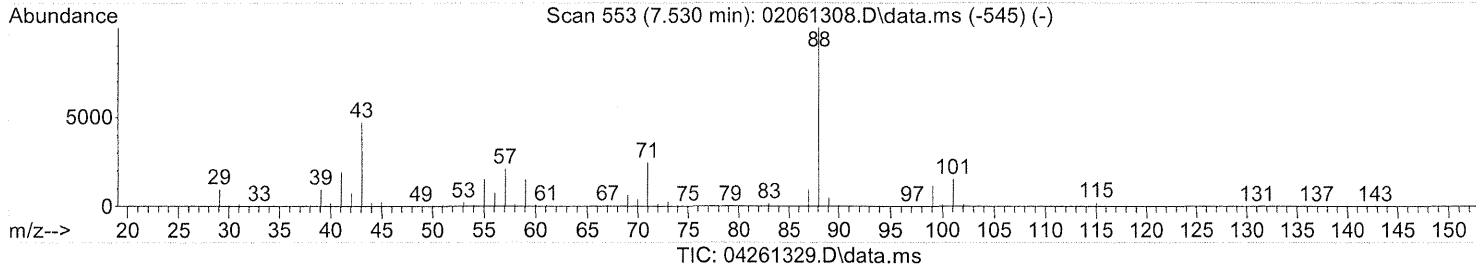
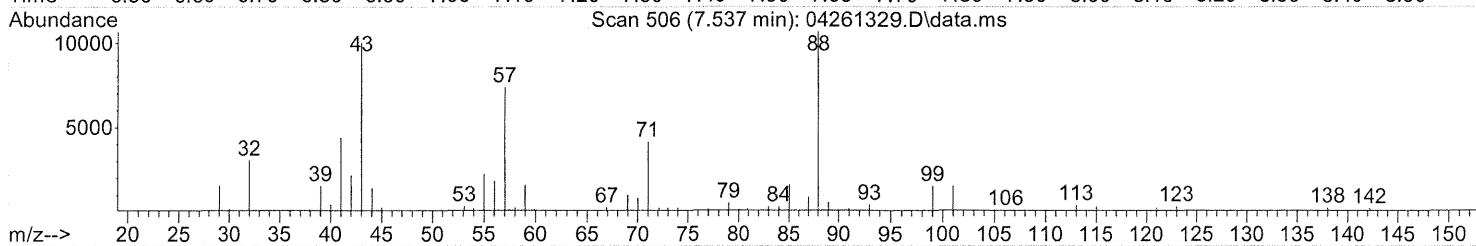
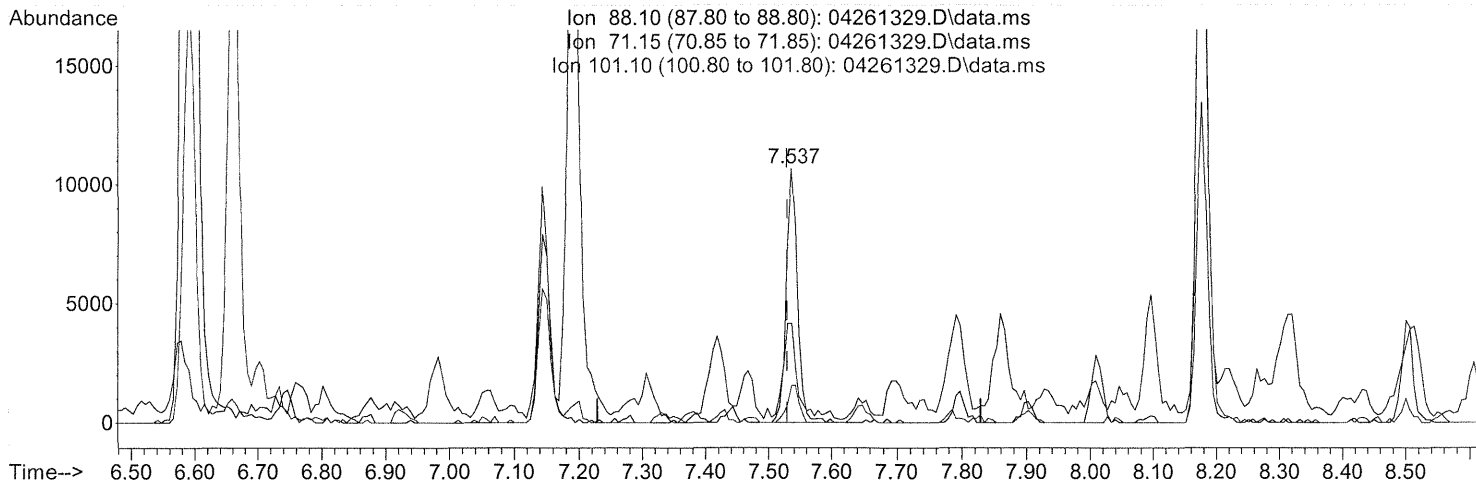
(8) Pentanoic acid (T)
 7.150min (+0.003) 35.22ug/ml
 response 3782177

Ion	Exp%	Act%
74.15	100	100
57.15	32.30	28.27
85.10	33.80	33.49
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : J:\MS14\DATA\ACIDS\2013_04\26\
 Data File : 04261329.D
 Acq On : 26 Apr 2013 8:02 pm
 Operator : EI
 Sample : P1301655-002 Front 1.0ml
 Misc :
 ALS Vial : 28 Sample Multiplier: 1

Quant Time: Apr 27 08:51:57 2013
 Quant Method : J:\MS14\METHODS\CA100912E.M
 Quant Title : Short Chain Carboxylic Acids in Air
 QLast Update : Fri Apr 05 11:12:06 2013
 Response via : Initial Calibration



(9) 2-Methylpentanoic acid (T)

7.540min (+0.010) 0.92ug/ml

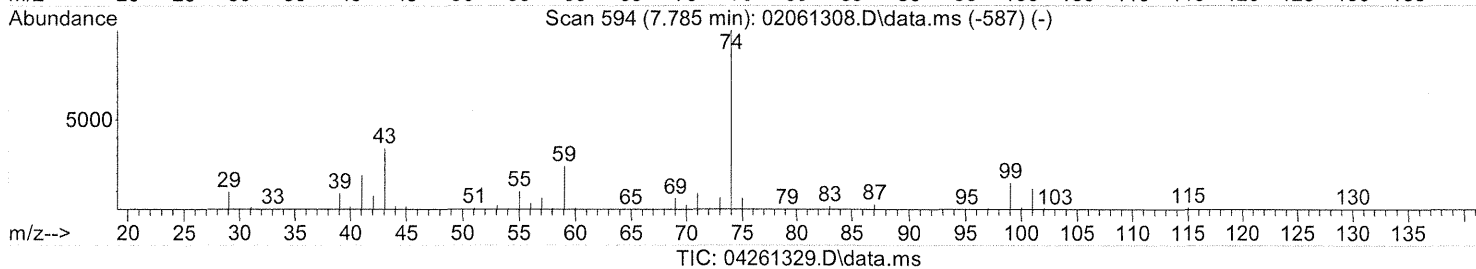
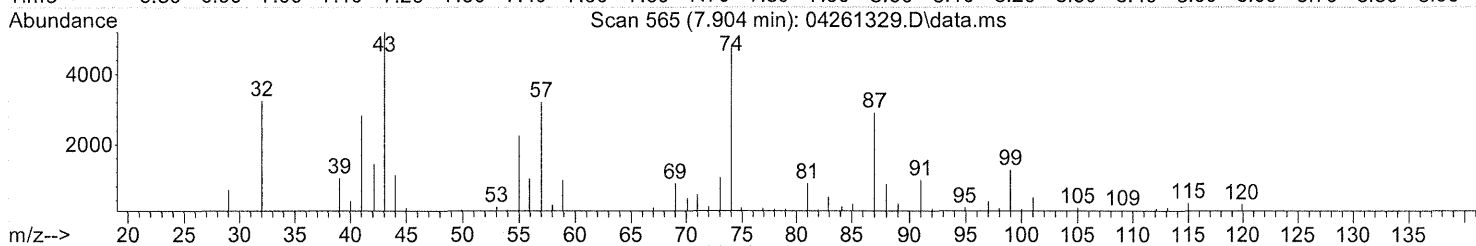
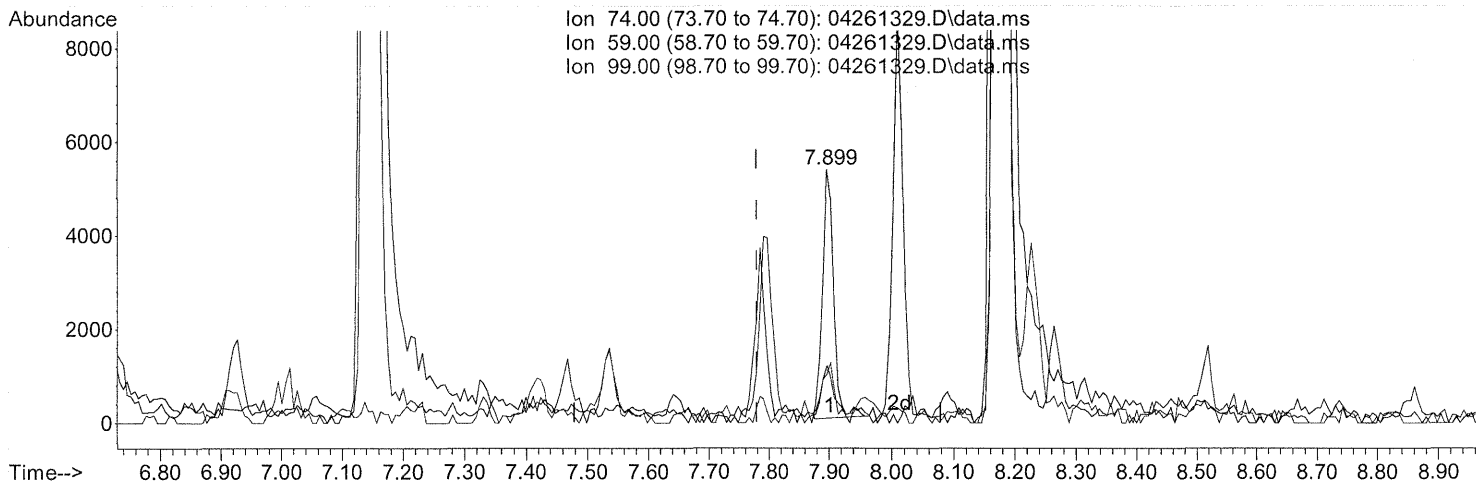
response 134354

Ion	Exp%	Act%
88.10	100	100
71.15	24.30	41.81
101.10	15.10	0.00
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : J:\MS14\DATA\ACIDS\2013_04\26\
 Data File : 04261329.D
 Acq On : 26 Apr 2013 8:02 pm
 Operator : EI
 Sample : P1301655-002 Front 1.0ml
 Misc :
 ALS Vial : 28 Sample Multiplier: 1

Quant Time: Apr 27 08:51:57 2013
 Quant Method : J:\MS14\METHODS\CA100912E.M
 Quant Title : Short Chain Carboxylic Acids in Air
 QLast Update : Fri Apr 05 11:12:06 2013
 Response via : Initial Calibration



(10) 3-Methylpentanoic acid (T)

7.902min (+0.123) 0.41ug/ml

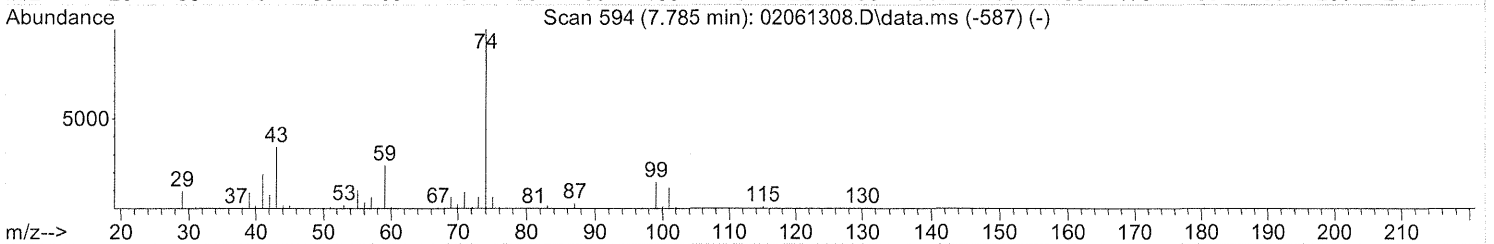
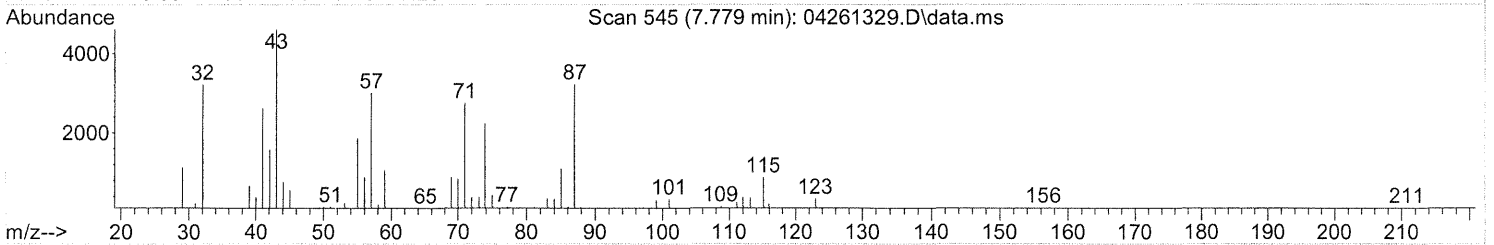
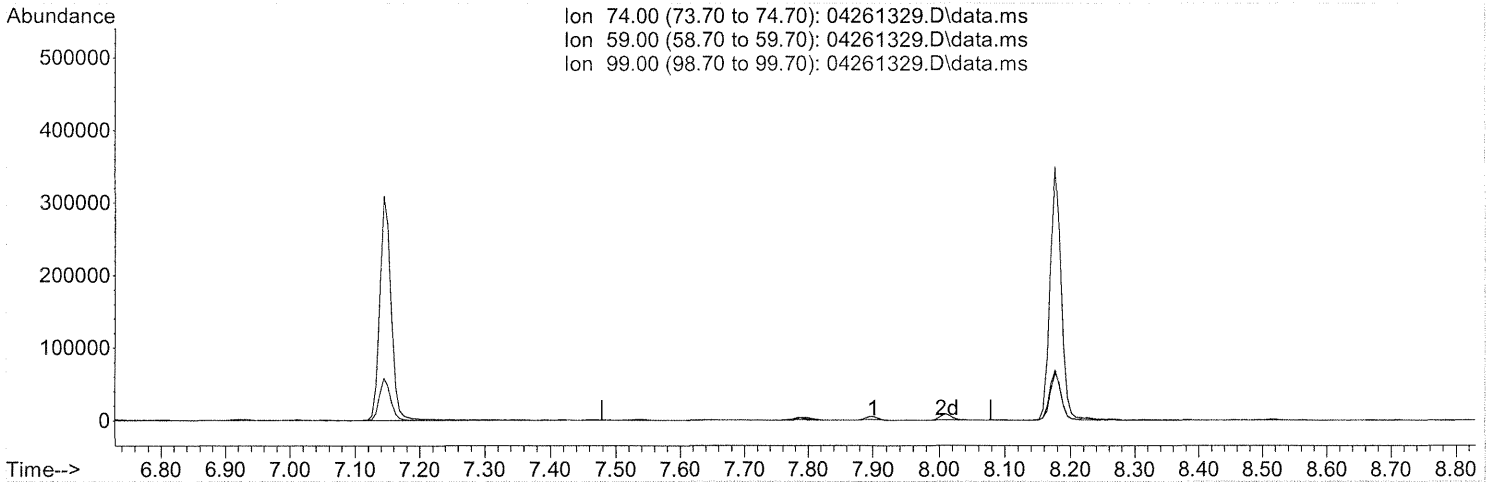
response 68045

Ion	Exp%	Act%
74.00	100	100
59.00	24.00	0.00#
99.00	14.70	0.00
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : J:\MS14\DATA\ACIDS\2013_04\26\
 Data File : 04261329.D
 Acq On : 26 Apr 2013 8:02 pm
 Operator : EI
 Sample : P1301655-002 Front 1.0ml
 Misc :
 ALS Vial : 28 Sample Multiplier: 1

Quant Time: Apr 27 08:51:57 2013
 Quant Method : J:\MS14\METHODS\CA100912E.M
 Quant Title : Short Chain Carboxylic Acids in Air
 QLast Update : Fri Apr 05 11:12:06 2013
 Response via : Initial Calibration



(10) 3-Methylpentanoic acid (T)

7.780min 0.00ug/ml d

response 0

Ion	Exp%	Act%
74.00	100	0.00
59.00	24.00	0.00
99.00	14.70	0.00
0.00	0.00	0.00

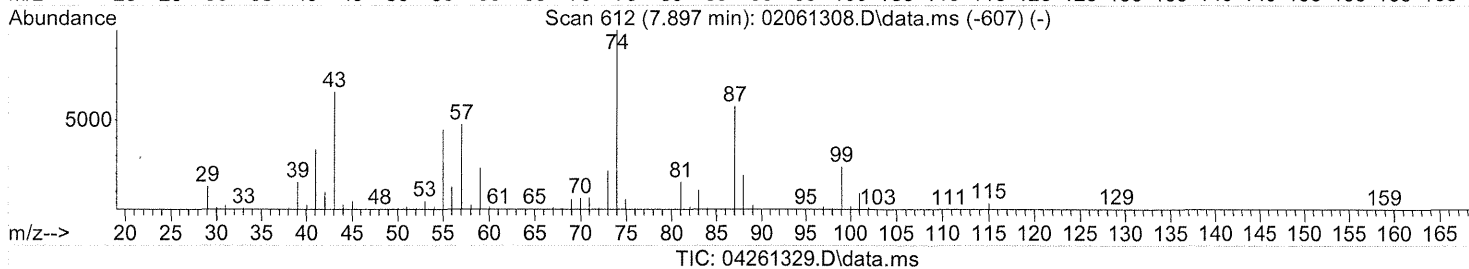
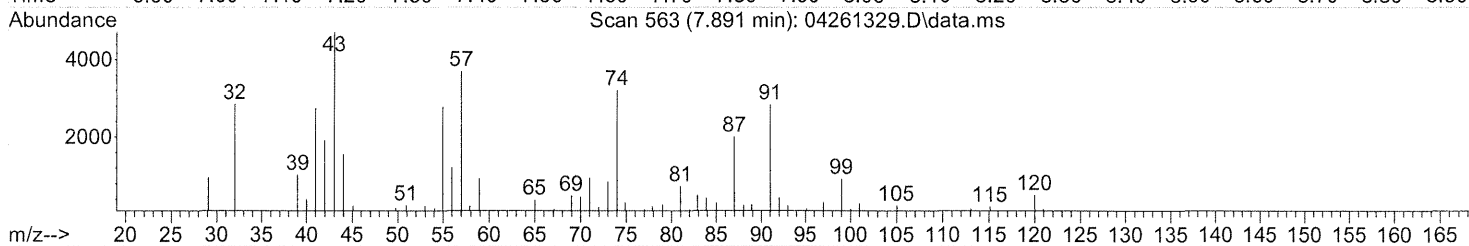
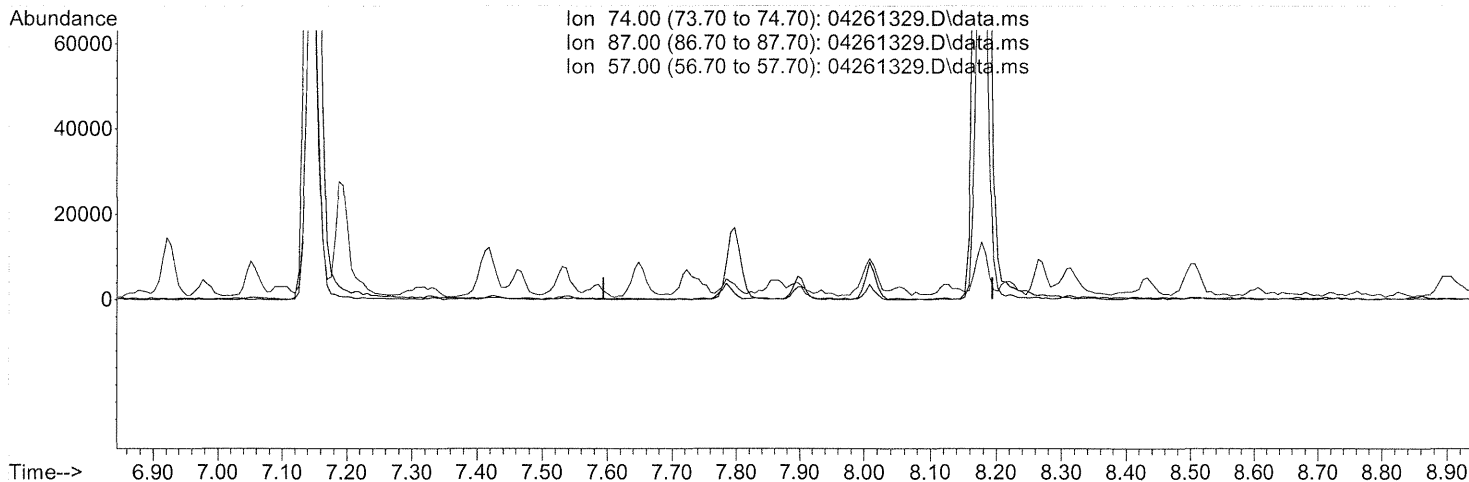
FP 4/30/13
 ET

①
 5/1/13

Quantitation Report (Qedit)

Data Path : J:\MS14\DATA\ACIDS\2013_04\26\
Data File : 04261329.D
Acq On : 26 Apr 2013 8:02 pm
Operator : EI
Sample : P1301655-002 Front 1.0ml
Misc :
ALS Vial : 28 Sample Multiplier: 1

Quant Time: Apr 30 11:12:59 2013
Quant Method : J:\MS14\METHODS\CA100912E.M
Quant Title : Short Chain Carboxylic Acids in Air
QLast Update : Fri Apr 05 11:12:06 2013
Response via : Initial Calibration



(11) 4-Methylpentanoic acid (T)

7.894min (-7.894) 0.00ug/ml

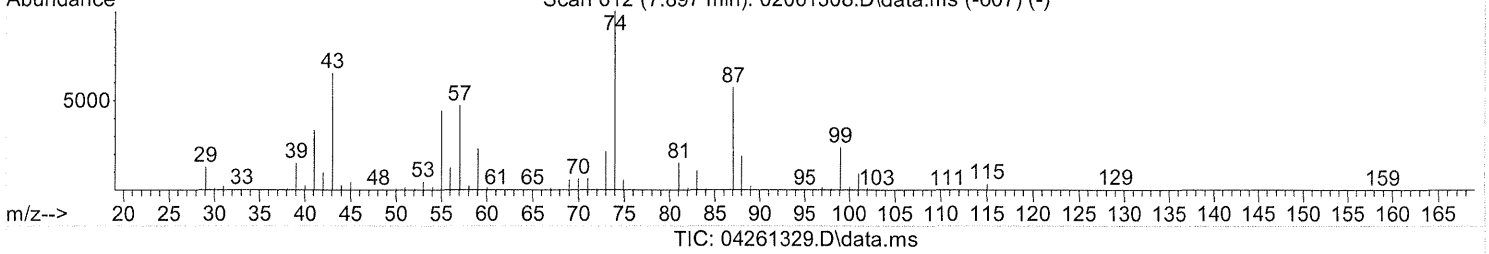
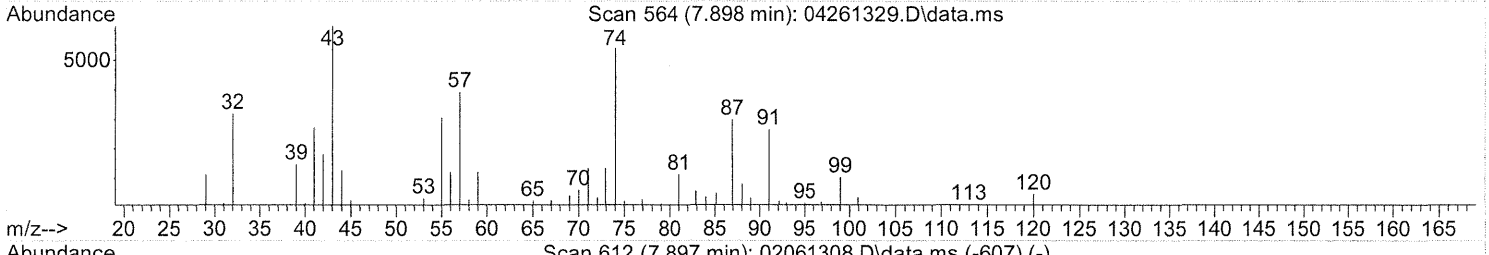
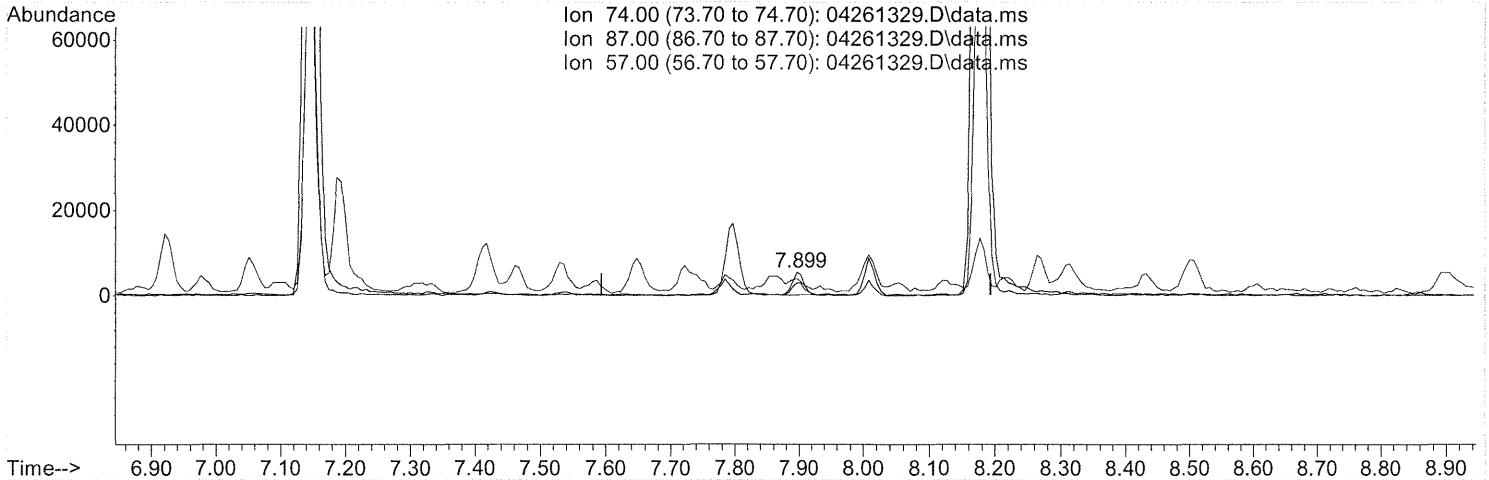
response 0

Ion	Exp%	Act%
74.00	100	0.00
87.00	57.30	0.00#
57.00	47.30	0.00#
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : J:\MS14\DATA\ACIDS\2013_04\26\
 Data File : 04261329.D
 Acq On : 26 Apr 2013 8:02 pm
 Operator : EI
 Sample : P1301655-002 Front 1.0ml
 Misc :
 ALS Vial : 28 Sample Multiplier: 1

Quant Time: Apr 30 11:12:59 2013
 Quant Method : J:\MS14\METHODS\CA100912E.M
 Quant Title : Short Chain Carboxylic Acids in Air
 QLast Update : Fri Apr 05 11:12:06 2013
 Response via : Initial Calibration



(11) 4-Methylpentanoic acid (T)

7.898min (+0.003) 0.77ug/ml m

response 65447

Ion	Exp%	Act%
74.00	100	100
87.00	57.30	0.00#
57.00	47.30	0.00#
0.00	0.00	0.00

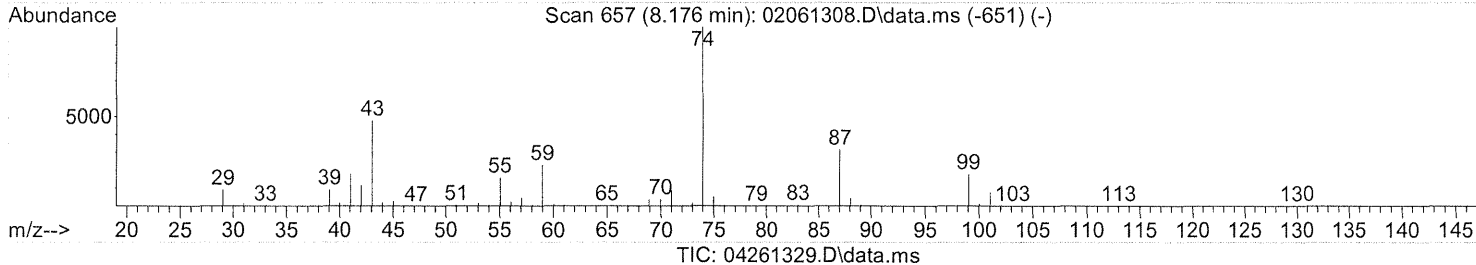
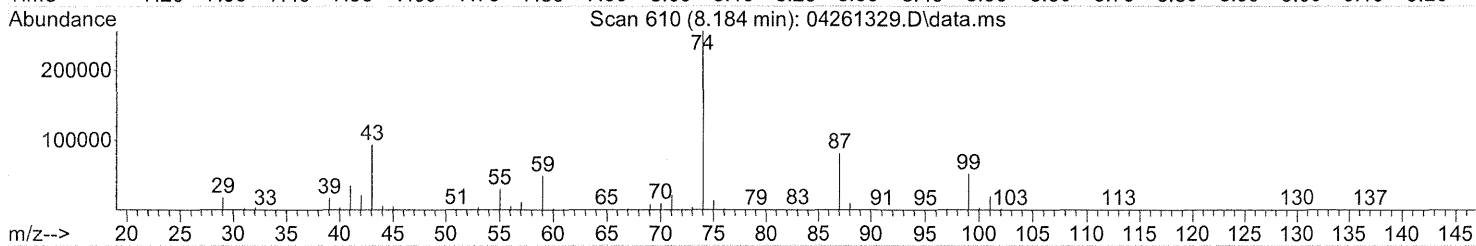
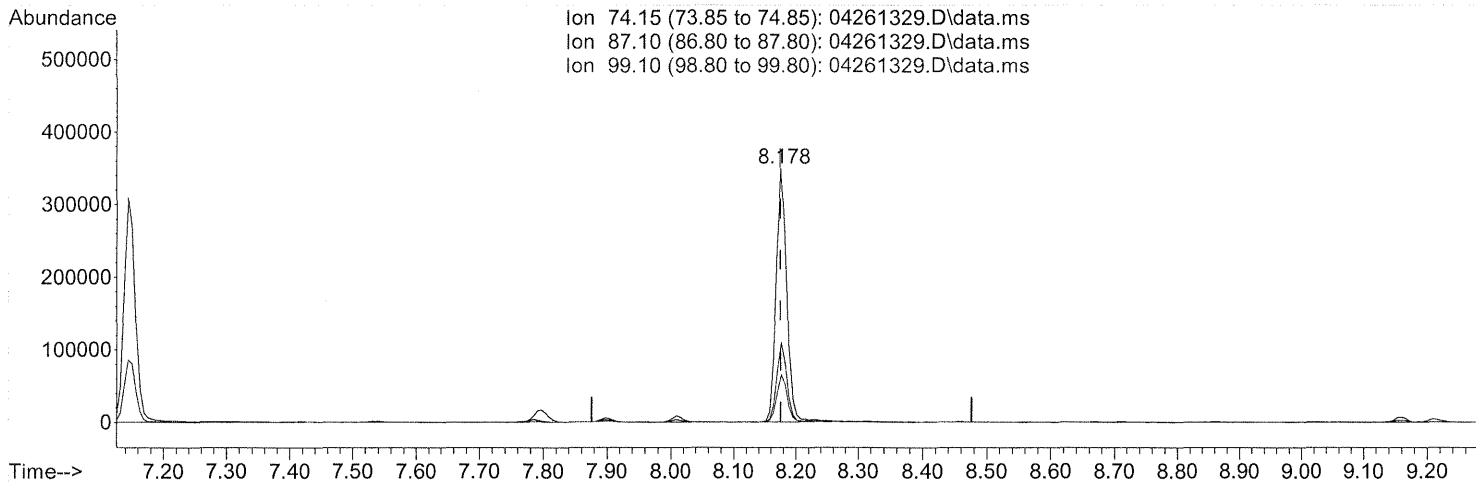
*MP 4/30/13
 ET*

*(P)
 5/1/13*

Quantitation Report (Qedit)

Data Path : J:\MS14\DATA\ACIDS\2013_04\26\
 Data File : 04261329.D
 Acq On : 26 Apr 2013 8:02 pm
 Operator : EI
 Sample : P1301655-002 Front 1.0ml
 Misc :
 ALS Vial : 28 Sample Multiplier: 1

Quant Time: Apr 30 11:12:59 2013
 Quant Method : J:\MS14\METHODS\CA100912E.M
 Quant Title : Short Chain Carboxylic Acids in Air
 QLast Update : Fri Apr 05 11:12:06 2013
 Response via : Initial Calibration



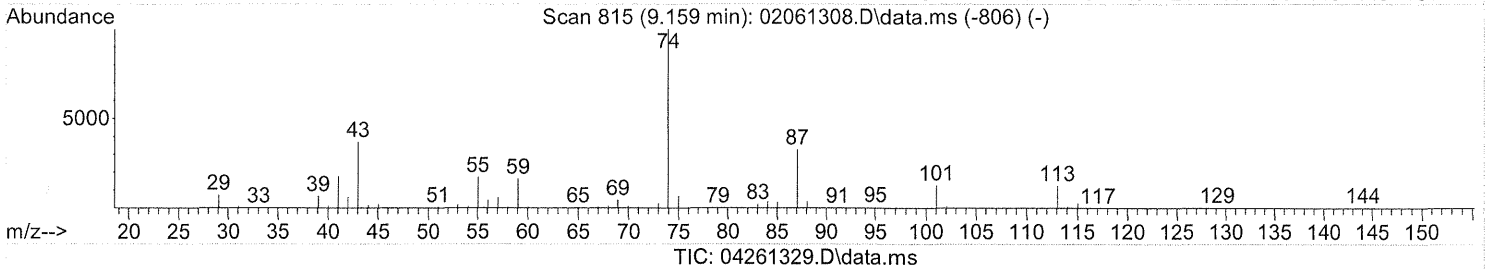
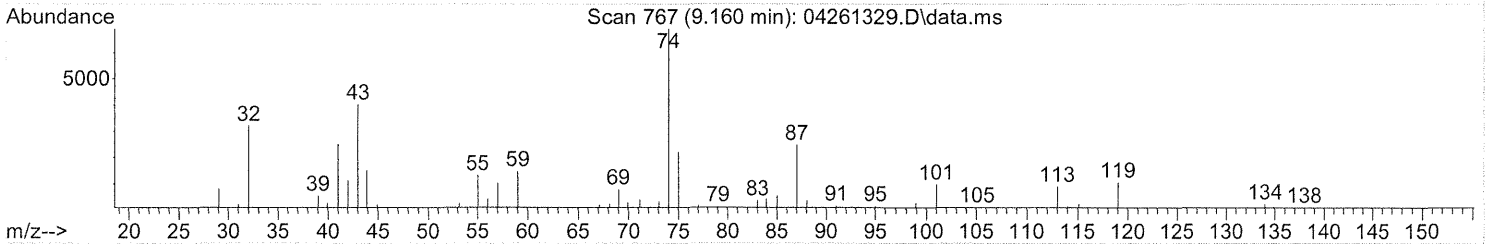
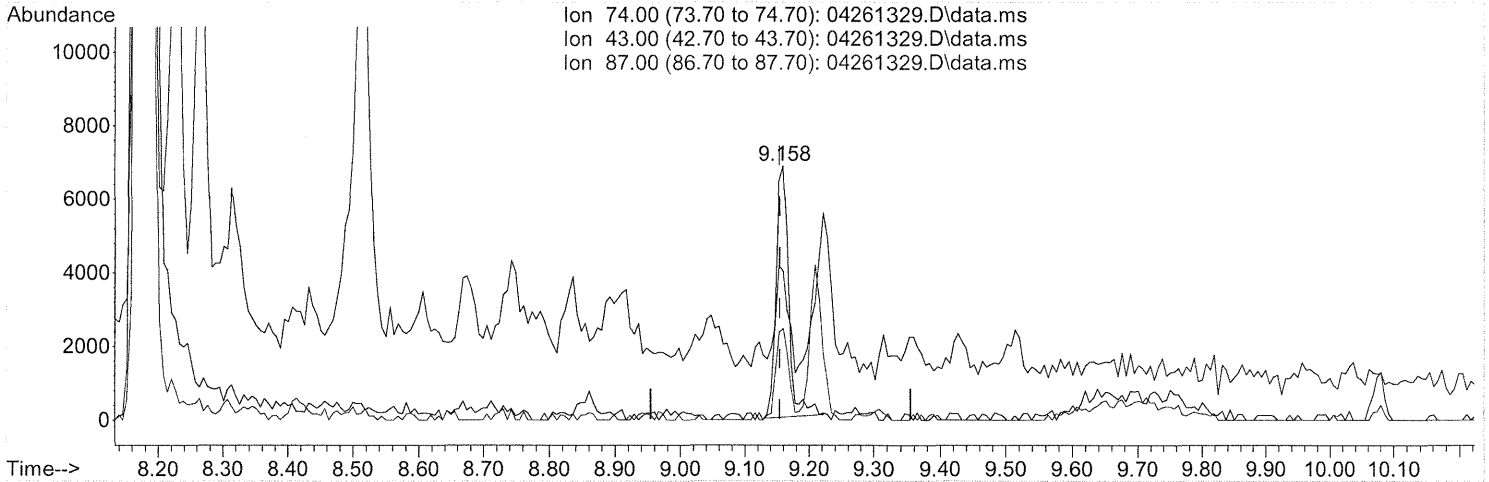
(12) Hexanoic acid (T)
 8.181min (+0.004) 28.32ug/ml
 response 4126281

Ion	Exp%	Act%
74.15	100	100
87.10	31.40	30.28
99.10	17.80	17.72
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : J:\MS14\DATA\ACIDS\2013_04\26\
 Data File : 04261329.D
 Acq On : 26 Apr 2013 8:02 pm
 Operator : EI
 Sample : P1301655-002 Front 1.0ml
 Misc :
 ALS Vial : 28 Sample Multiplier: 1

Quant Time: Apr 30 11:12:59 2013
 Quant Method : J:\MS14\METHODS\CA100912E.M
 Quant Title : Short Chain Carboxylic Acids in Air
 QLast Update : Fri Apr 05 11:12:06 2013
 Response via : Initial Calibration



(14) Heptanoic acid (T)

9.161min (+0.006) 0.55ug/ml

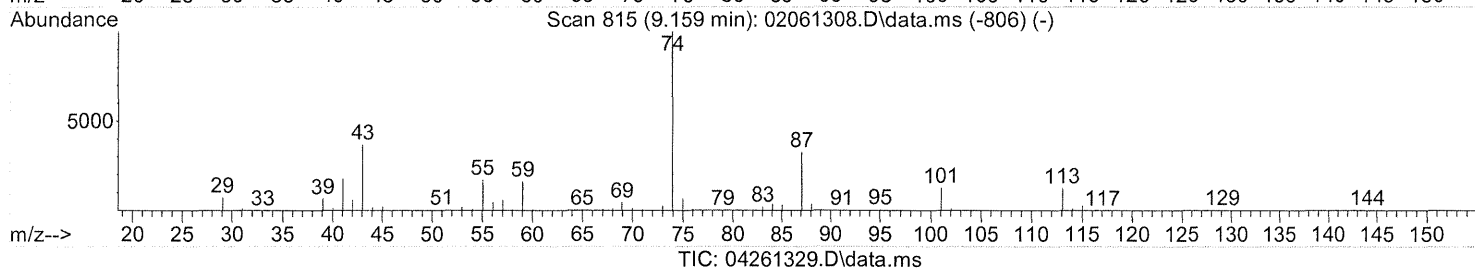
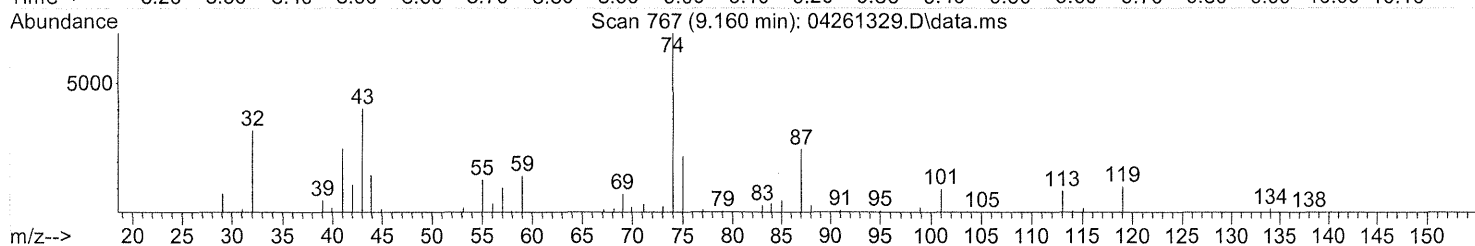
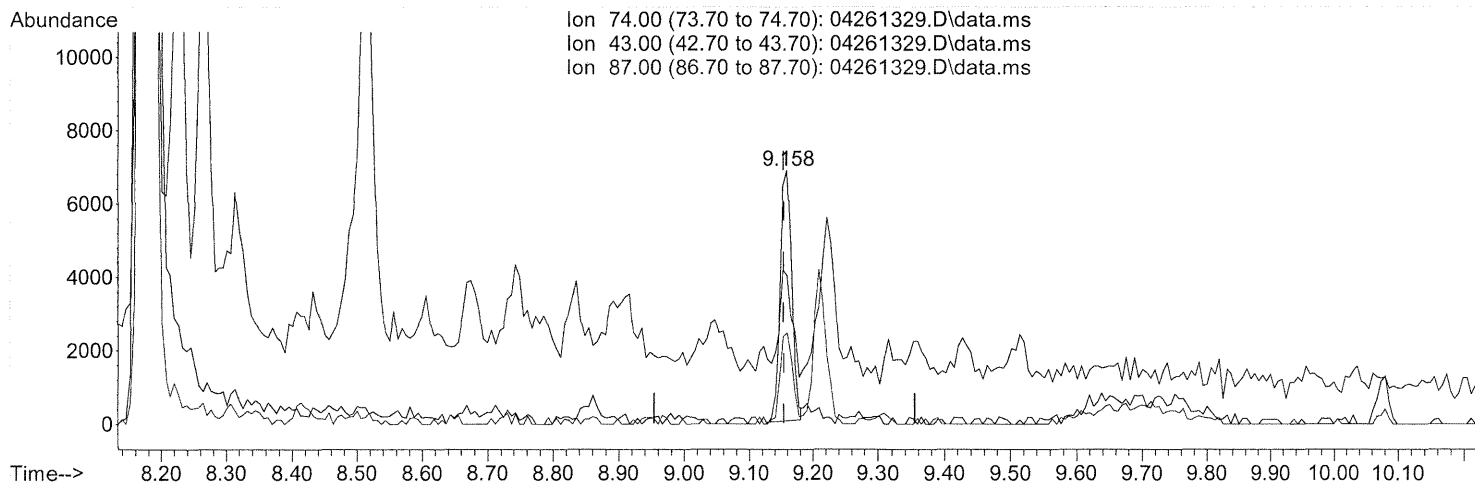
response 93048

Ion	Exp%	Act%
74.00	100	100
43.00	36.80	64.34#
87.00	32.50	61.38#
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : J:\MS14\DATA\ACIDS\2013_04\26\
 Data File : 04261329.D
 Acq On : 26 Apr 2013 8:02 pm
 Operator : EI
 Sample : P1301655-002 Front 1.0ml
 Misc :
 ALS Vial : 28 Sample Multiplier: 1

Quant Time: Apr 30 11:12:59 2013
 Quant Method : J:\MS14\METHODS\CA100912E.M
 Quant Title : Short Chain Carboxylic Acids in Air
 QLast Update : Fri Apr 05 11:12:06 2013
 Response via : Initial Calibration



(14) Heptanoic acid (T)
 9.160min (+0.005) 0.51ug/ml m
 response 87087

JPC 4/30/13
ET

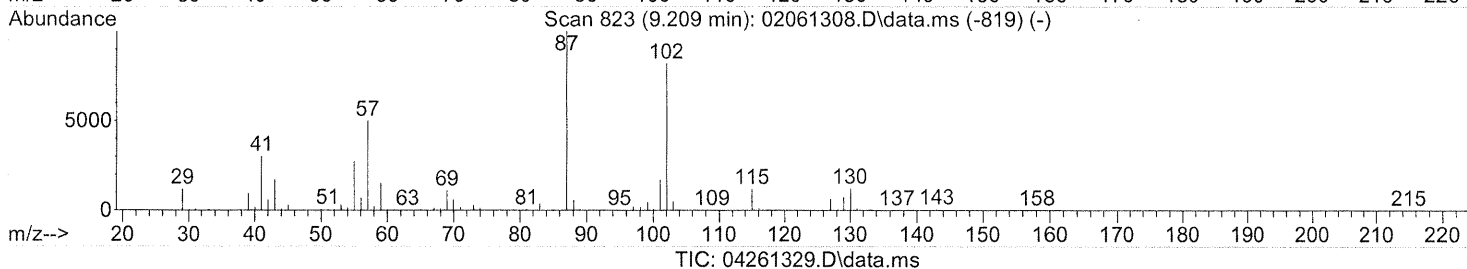
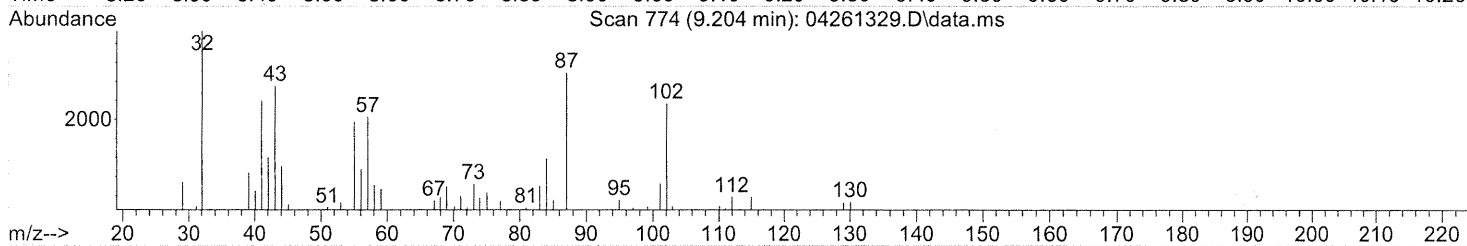
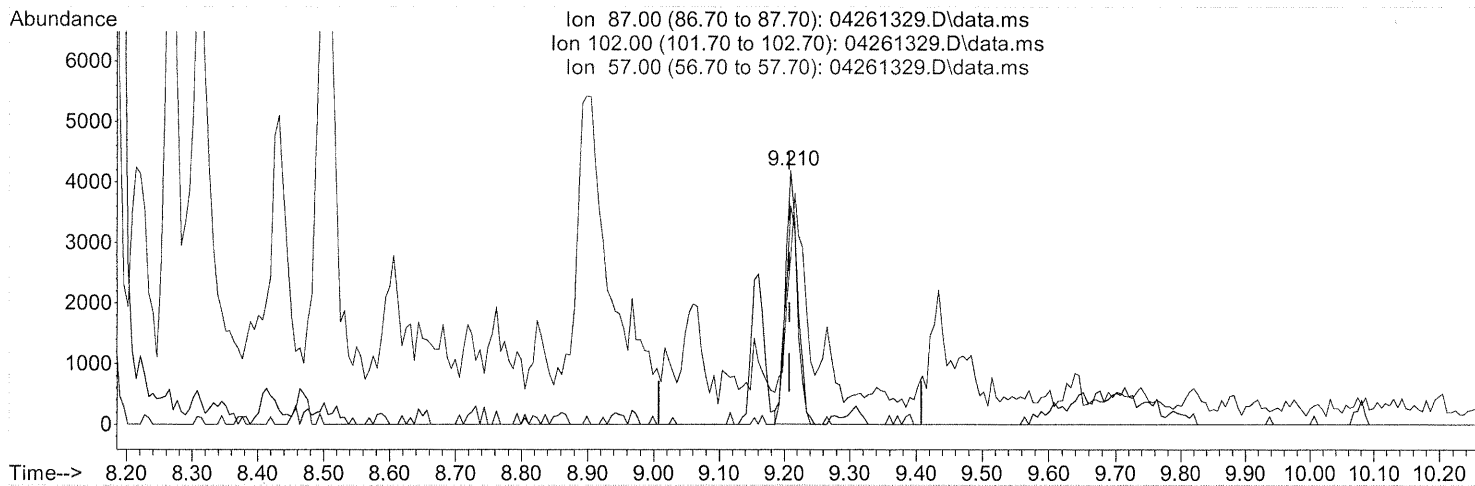
(W)
5/1/13

Ion	Exp%	Act%
74.00	100	100
43.00	36.80	68.74#
87.00	32.50	65.58#
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : J:\MS14\DATA\ACIDS\2013_04\26\
 Data File : 04261329.D
 Acq On : 26 Apr 2013 8:02 pm
 Operator : EI
 Sample : P1301655-002 Front 1.0ml
 Misc :
 ALS Vial : 28 Sample Multiplier: 1

Quant Time: Apr 30 11:15:08 2013
 Quant Method : J:\MS14\METHODS\CA100912E.M
 Quant Title : Short Chain Carboxylic Acids in Air
 QLast Update : Fri Apr 05 11:12:06 2013
 Response via : Initial Calibration



(15) 2-Ethylhexanoic acid (T)

9.213min (+0.006) 0.44ug/ml

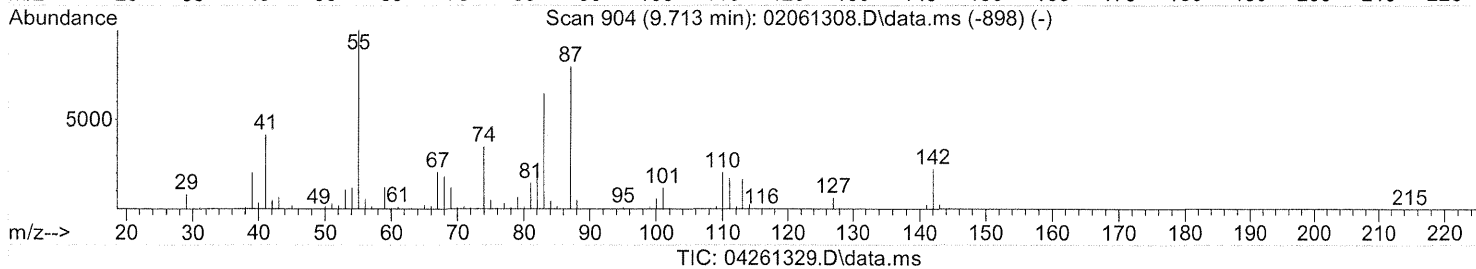
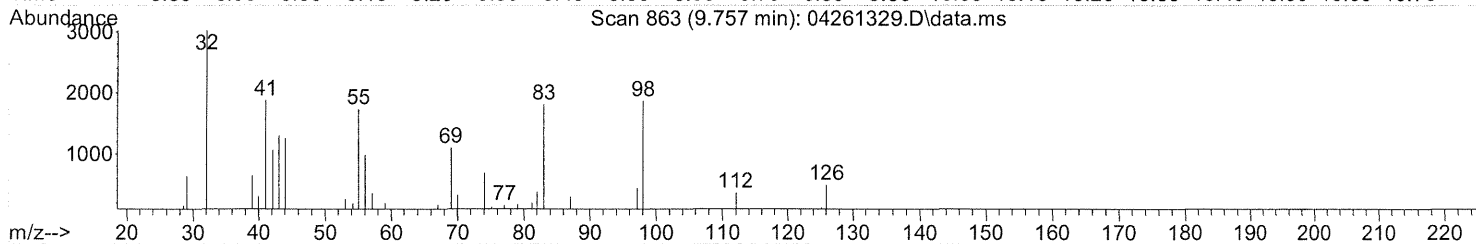
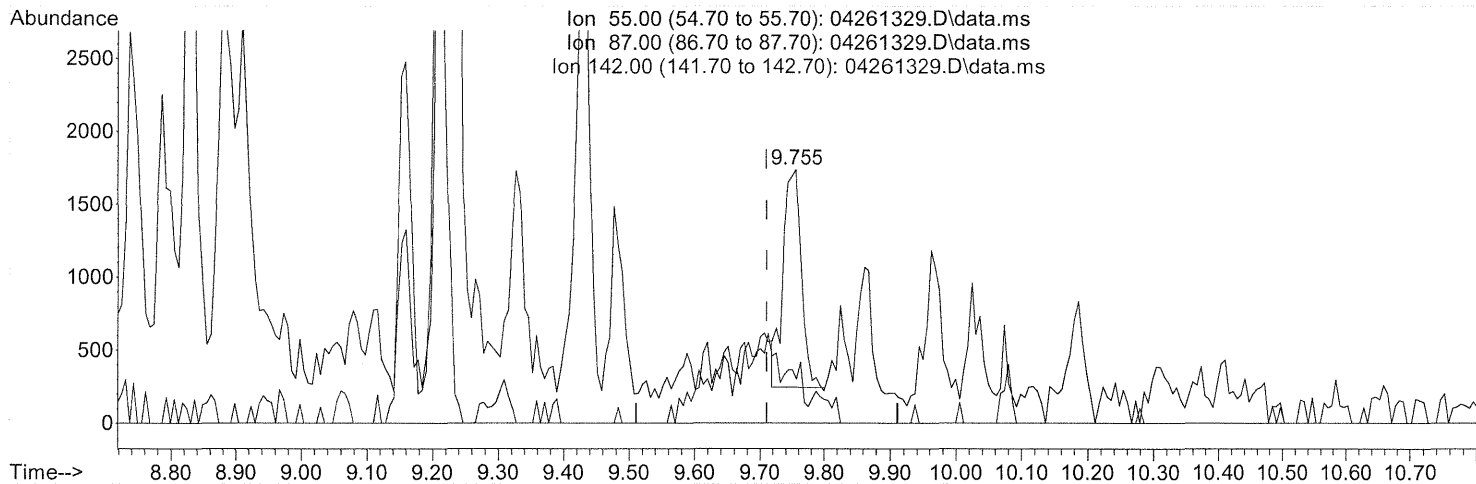
response 57173

Ion	Exp%	Act%
87.00	100	100
102.00	81.90	86.48
57.00	50.00	84.38#
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : J:\MS14\DATA\ACIDS\2013_04\26\
 Data File : 04261329.D
 Acq On : 26 Apr 2013 8:02 pm
 Operator : EI
 Sample : P1301655-002 Front 1.0ml
 Misc :
 ALS Vial : 28 Sample Multiplier: 1

Quant Time: Apr 30 11:12:59 2013
 Quant Method : J:\MS14\METHODS\CA100912E.M
 Quant Title : Short Chain Carboxylic Acids in Air
 QLast Update : Fri Apr 05 11:12:06 2013
 Response via : Initial Calibration



(16) Cyclohexanecarboxylic acid (T)

9.756min (+0.045) 0.41ug/ml

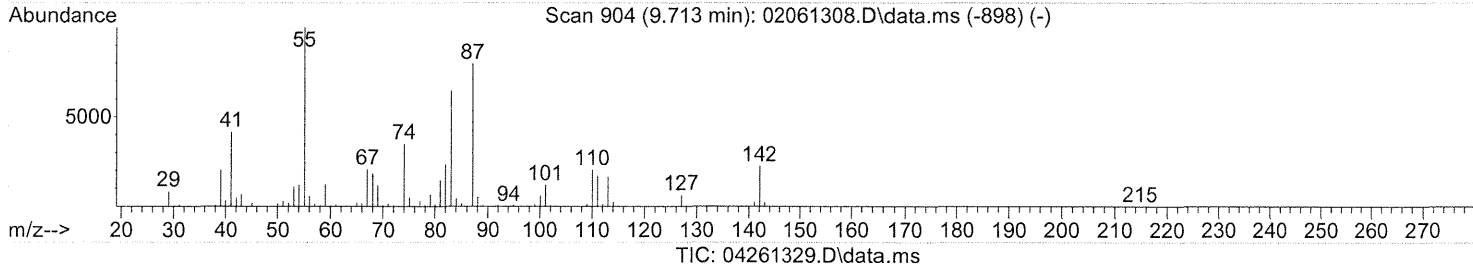
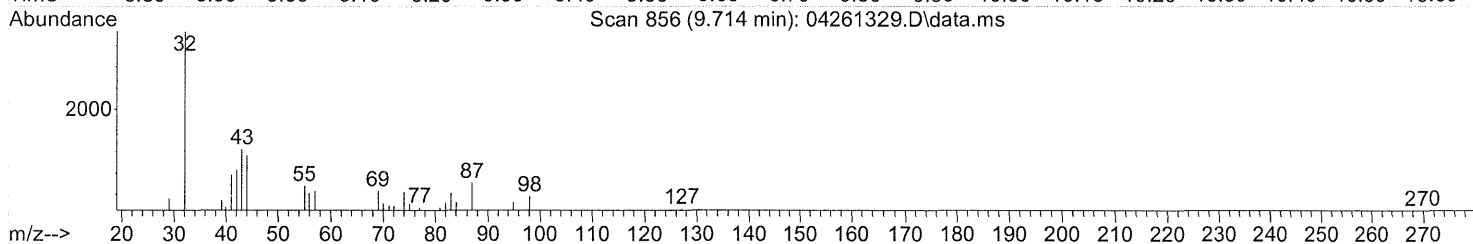
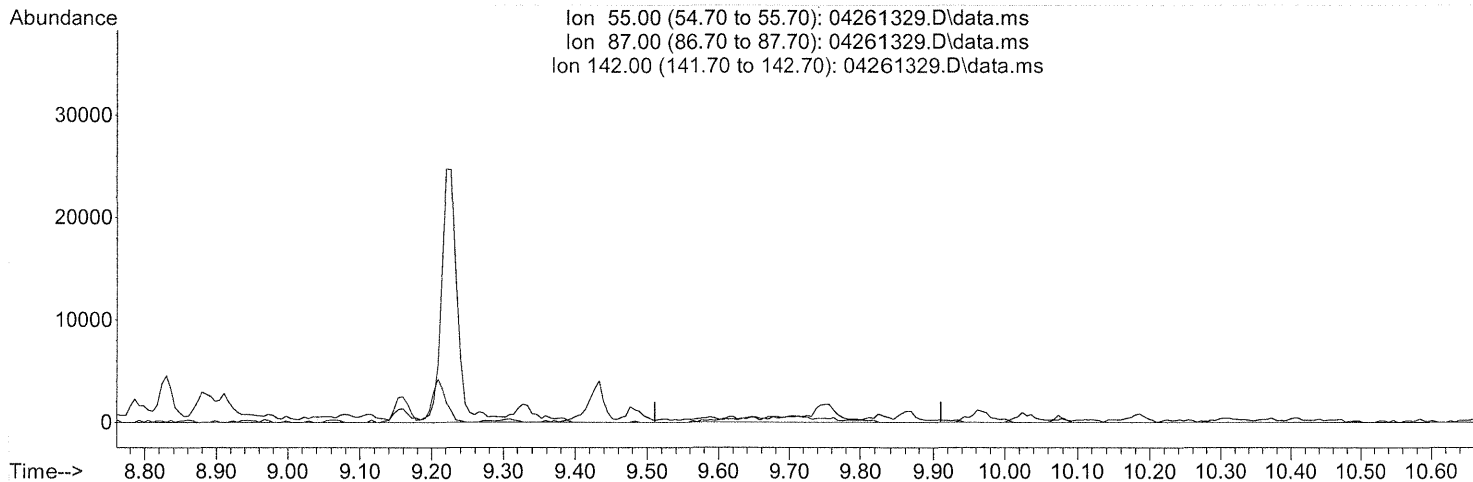
response 30494

Ion	Exp%	Act%
55.00	100	100
87.00	79.60	0.00#
142.00	22.30	0.00#
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : J:\MS14\DATA\ACIDS\2013_04\26\
 Data File : 04261329.D
 Acq On : 26 Apr 2013 8:02 pm
 Operator : EI
 Sample : P1301655-002 Front 1.0ml
 Misc :
 ALS Vial : 28 Sample Multiplier: 1

Quant Time: Apr 30 11:12:59 2013
 Quant Method : J:\MS14\METHODS\CA100912E.M
 Quant Title : Short Chain Carboxylic Acids in Air
 QLast Update : Fri Apr 05 11:12:06 2013
 Response via : Initial Calibration



(16) Cyclohexanecarboxylic acid (T)

9.711min 0.00ug/ml d

response 0

Ion	Exp%	Act%
55.00	100	0.00
87.00	79.60	0.00
142.00	22.30	0.00
0.00	0.00	0.00

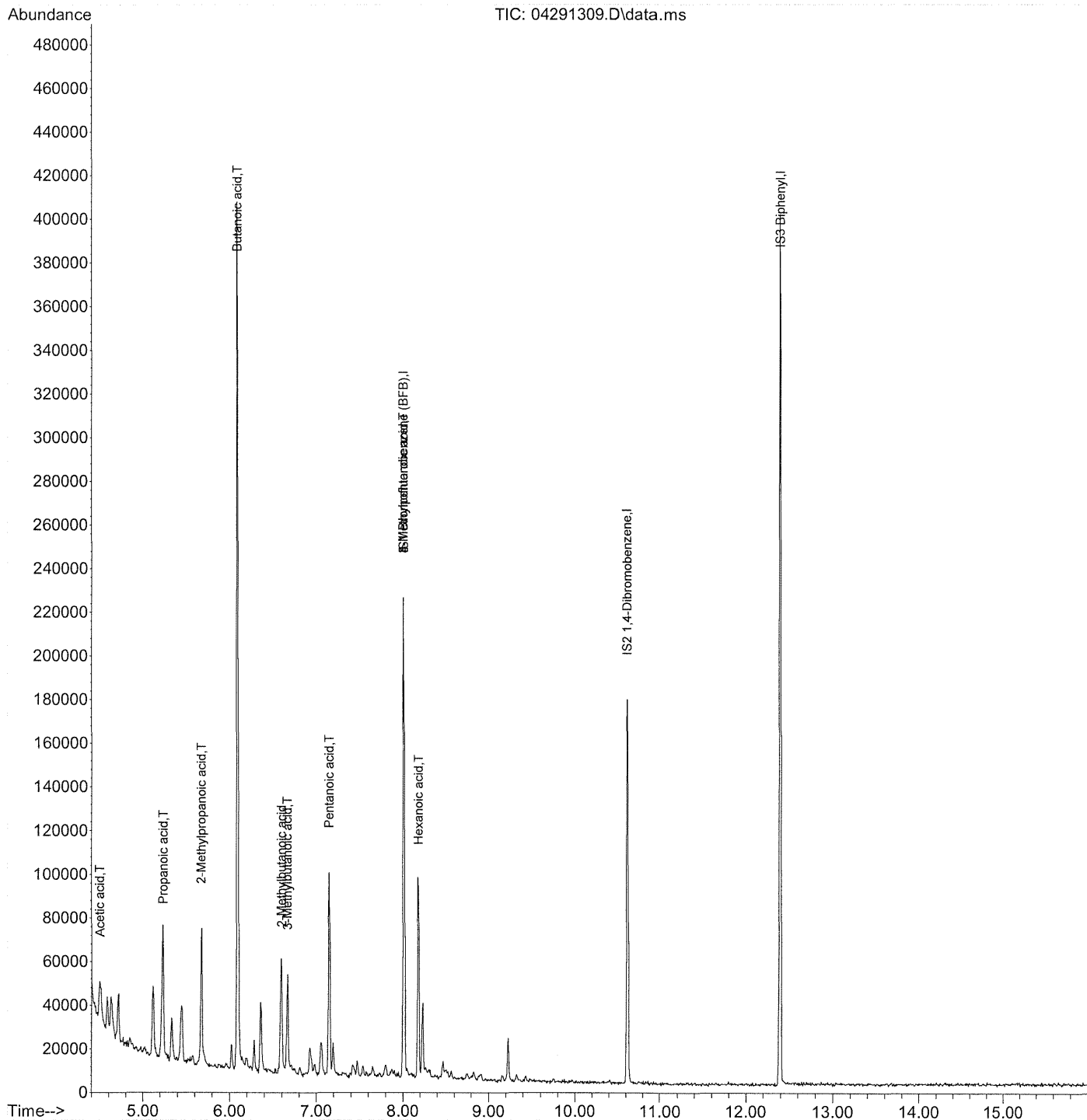
FP 4/30/13

ET

(Handwritten signature)
5/1/13

Data Path : J:\MS14\DATA\ACIDS\2013_04\29\
 Data File : 04291309.D
 Acq On : 29 Apr 2013 3:46 pm
 Operator : EI
 Sample : P1301655-002 Front 1.0ml 10x
 Misc :
 ALS Vial : 8 Sample Multiplier: 1

Quant Time: Apr 29 16:09:30 2013
 Quant Method : J:\MS14\METHODS\CA100912E.M
 Quant Title : Short Chain Carboxylic Acids in Air
 QLast Update : Fri Apr 05 11:12:06 2013
 Response via : Initial Calibration



Quantitation Report (QT Reviewed)

Data Path : J:\MS14\DATA\ACIDS\2013_04\29\
 Data File : 04291309.D
 Acq On : 29 Apr 2013 3:46 pm
 Operator : EI
 Sample : P1301655-002 Front 1.0ml 10x
 Misc :
 ALS Vial : 8 Sample Multiplier: 1

4/30/13
 ET

Quant Time: Apr 29 16:09:30 2013
 Quant Method : J:\MS14\METHODS\CA100912E.M
 Quant Title : Short Chain Carboxylic Acids in Air
 QLast Update : Fri Apr 05 11:12:06 2013
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) IS1 Bromofluorobenzene...	8.01	95	512791	10.00	ug/ml	0.00
13) IS2 1,4-Dibromobenzene	10.63	236	405251	10.00	ug/ml	0.00
19) IS3 Biphenyl	12.40	154	1766185	10.00	ug/ml	0.00

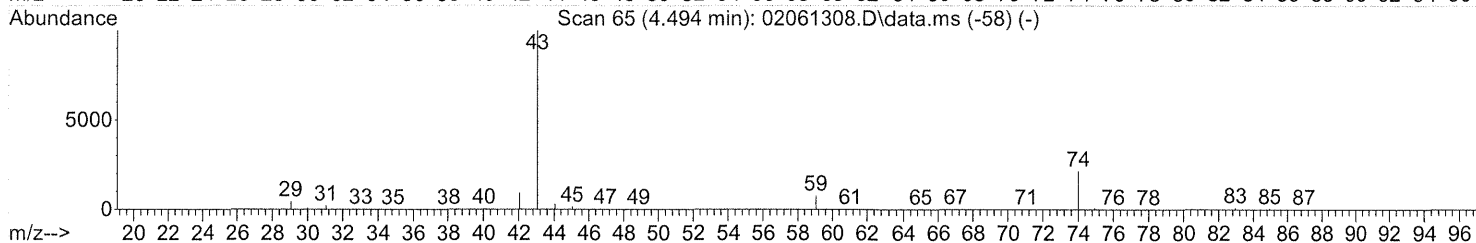
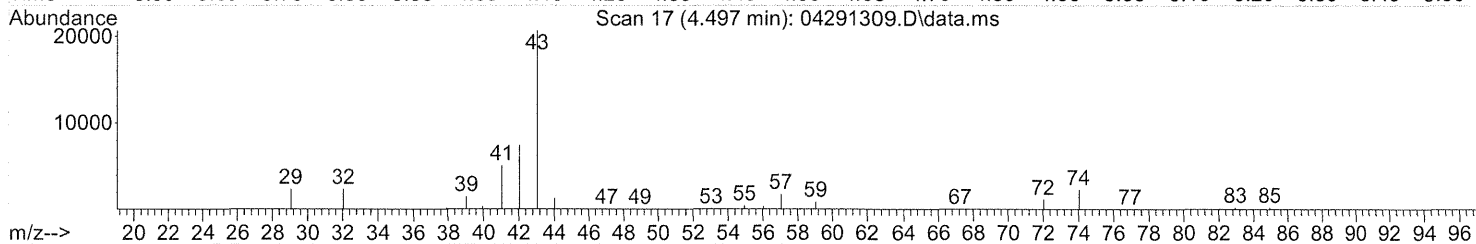
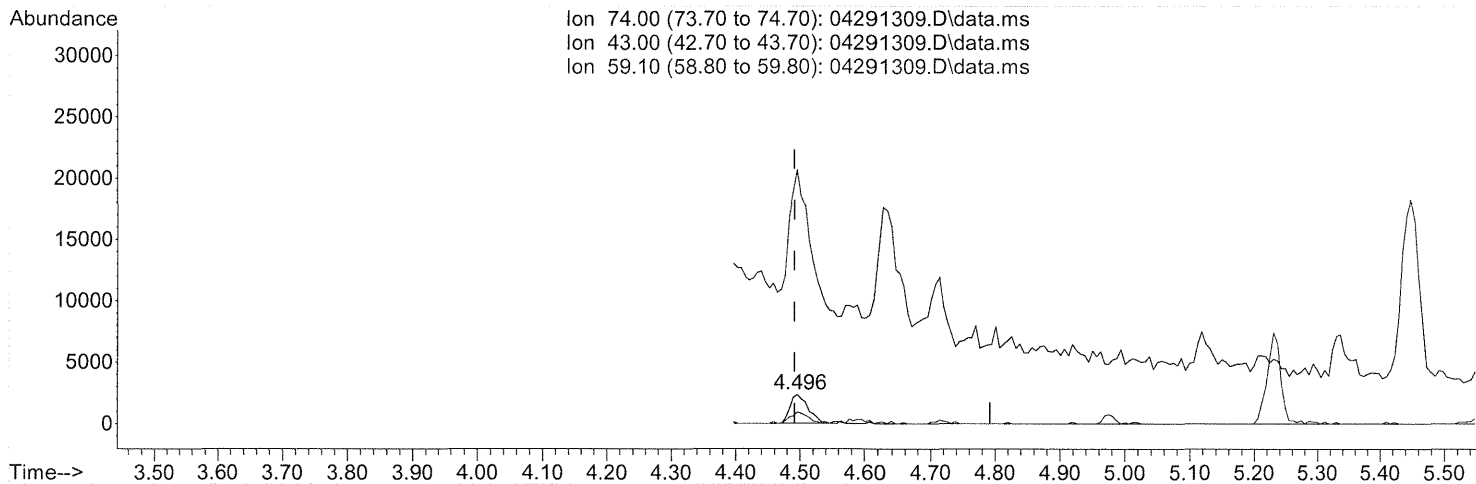
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Acetic acid	4.50	74	44847	10.24	ug/ml#	59
3) Propanoic acid	5.23	57	333901	10.14	ug/ml	97
4) 2-Methylpropanoic acid	5.68	71	120929	4.80	ug/ml	92
5) Butanoic acid	6.09	74	1109005	25.14	ug/ml	99
6) 2-Methylbutanoic acid	6.60	88	91645	1.40	ug/ml	97
7) 3-Methylbutanoic acid	6.67	74	174018	2.06	ug/ml	95
8) Pentanoic acid	7.16	74	315911	3.77	ug/ml	93
9) 2-Methylpentanoic acid	0.00	88	0	N.D.		
10) 3-Methylpentanoic acid	8.01	74	73695	0.56	ug/ml#	56
11) 4-Methylpentanoic acid	8.01	74	73695	1.11	ug/ml#	48
12) Hexanoic acid	8.18	74	359535	3.16	ug/ml	98
14) Heptanoic acid	0.00	74	0	N.D.		
15) 2-Ethylhexanoic acid	0.00	87	0	N.D.		
16) Cyclohexanecarboxylic ...	0.00	55	0	N.D.		
17) Octanoic acid	0.00	74	0	N.D.		
18) Benzoic acid	0.00	105	0	N.D.		
20) Nonanoic acid	0.00	74	0	N.D.		
21) Decanoic Acid	0.00	74	0	N.D.		

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (Qedit)

Data Path : J:\MS14\DATA\ACIDS\2013_04\29\
 Data File : 04291309.D
 Acq On : 29 Apr 2013 3:46 pm
 Operator : EI
 Sample : P1301655-002 Front 1.0ml 10x
 Misc :
 ALS Vial : 8 Sample Multiplier: 1

Quant Time: Apr 29 16:09:30 2013
 Quant Method : J:\MS14\METHODS\CA100912E.M
 Quant Title : Short Chain Carboxylic Acids in Air
 QLast Update : Fri Apr 05 11:12:06 2013
 Response via : Initial Calibration



TIC: 04291309.D\data.ms

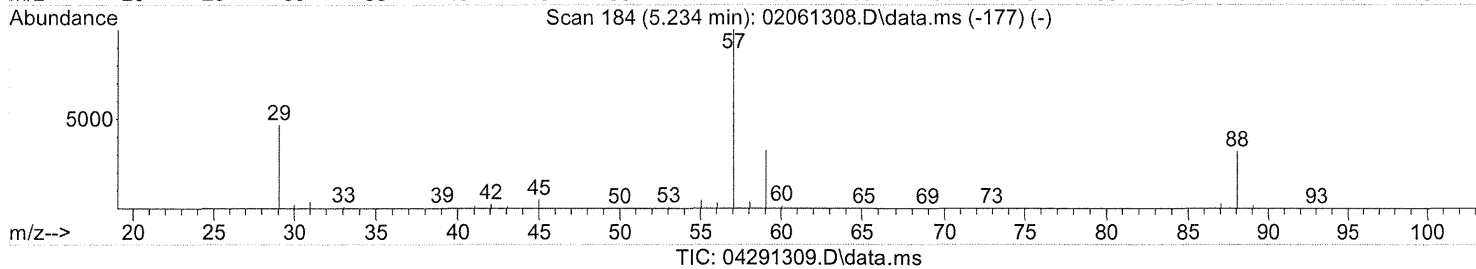
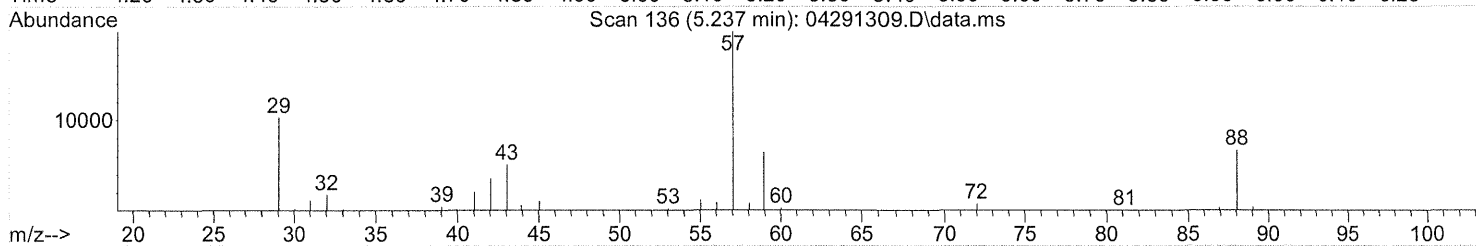
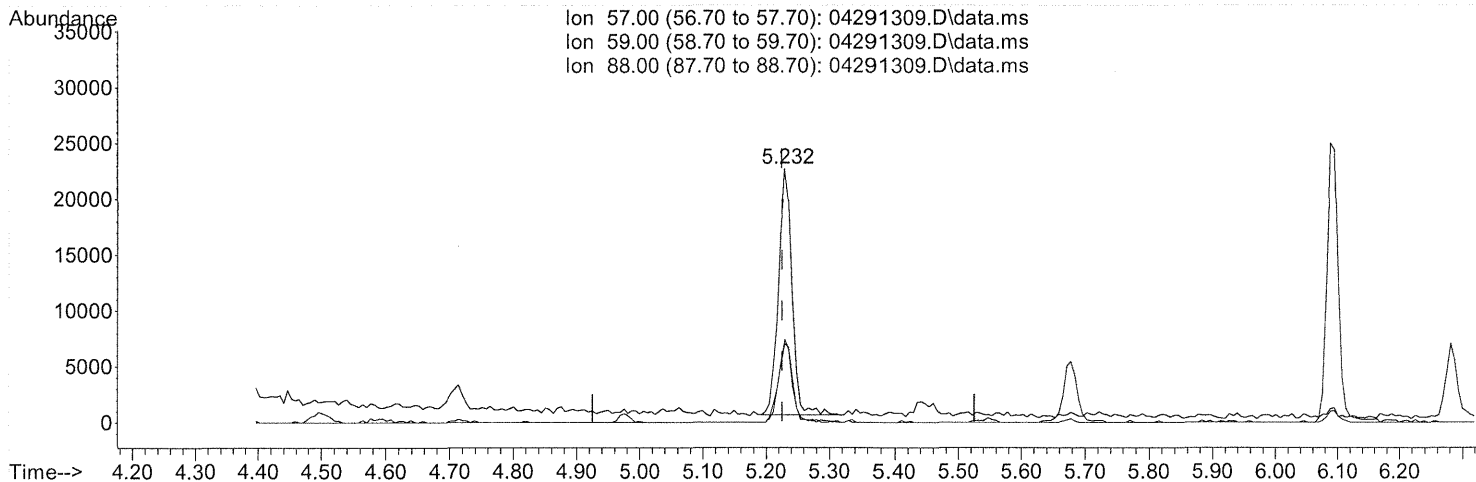
(2) Acetic acid (T)
 4.499min (+0.006) 10.24ug/ml
 response 44847

Ion	Exp%	Act%
74.00	100	100
43.00	609.70	474.45#
59.10	31.40	36.73
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : J:\MS14\DATA\ACIDS\2013_04\29\
 Data File : 04291309.D
 Acq On : 29 Apr 2013 3:46 pm
 Operator : EI
 Sample : P1301655-002 Front 1.0ml 10x
 Misc :
 ALS Vial : 8 Sample Multiplier: 1

Quant Time: Apr 29 16:09:30 2013
 Quant Method : J:\MS14\METHODS\CA100912E.M
 Quant Title : Short Chain Carboxylic Acids in Air
 QLast Update : Fri Apr 05 11:12:06 2013
 Response via : Initial Calibration



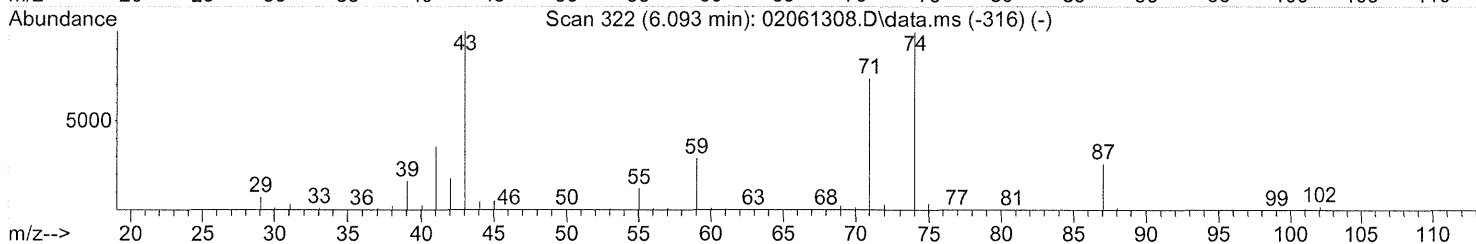
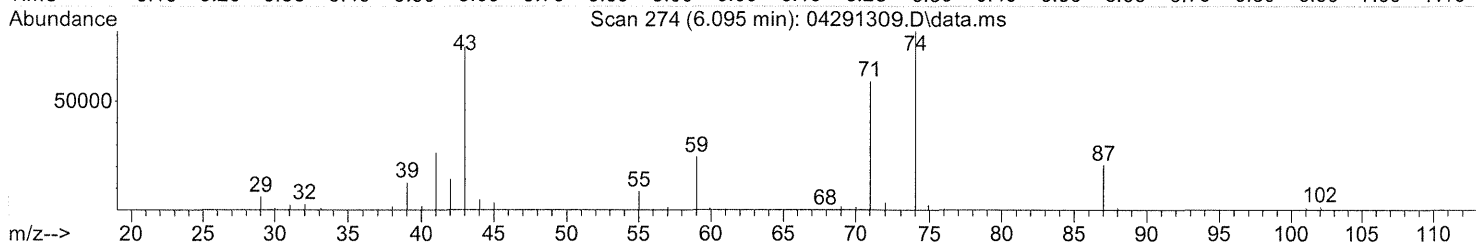
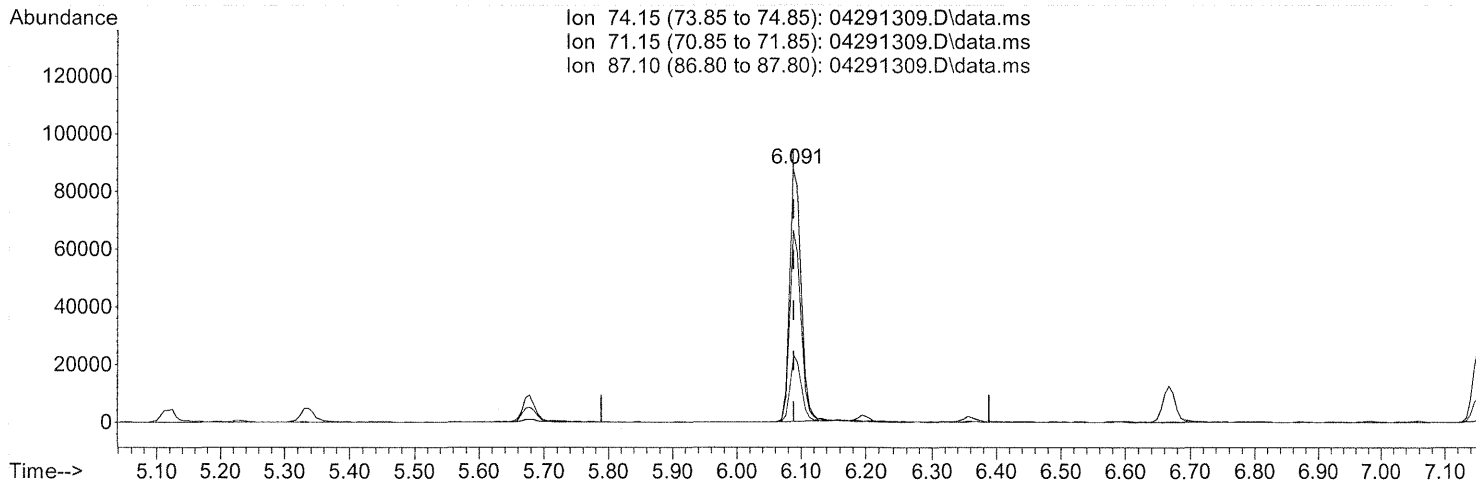
(3) Propanoic acid (T)
 5.234min (+0.008) 10.14ug/ml
 response 333901

Ion	Exp%	Act%
57.00	100	100
59.00	30.60	33.01
88.00	31.60	32.80
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : J:\MS14\DATA\ACIDS\2013_04\29\
 Data File : 04291309.D
 Acq On : 29 Apr 2013 3:46 pm
 Operator : EI
 Sample : P1301655-002 Front 1.0ml 10x
 Misc :
 ALS Vial : 8 Sample Multiplier: 1

Quant Time: Apr 29 16:09:30 2013
 Quant Method : J:\MS14\METHODS\CA100912E.M
 Quant Title : Short Chain Carboxylic Acids in Air
 QLast Update : Fri Apr 05 11:12:06 2013
 Response via : Initial Calibration



TIC: 04291309.D\data.ms

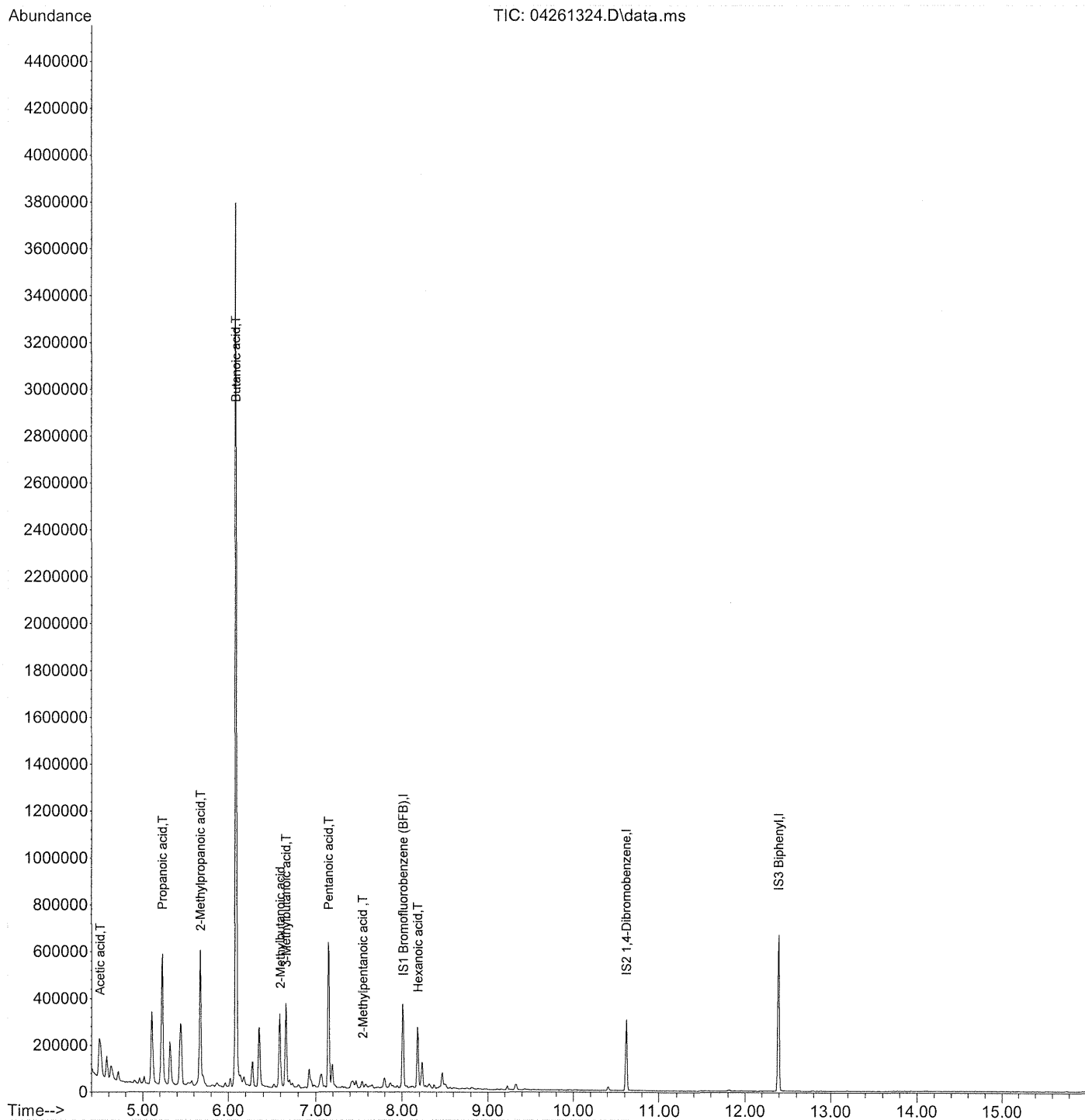
(5) Butanoic acid (T)

6.094min (+0.005) 25.14ug/ml
 response 1109005

Ion	Exp%	Act%
74.15	100	100
71.15	73.60	73.52
87.10	24.00	25.22
0.00	0.00	0.00

Data Path : J:\MS14\DATA\ACIDS\2013_04\26\
 Data File : 04261324.D
 Acq On : 26 Apr 2013 6:19 pm
 Operator : EI
 Sample : P1301655-002 Back 1.0ml
 Misc :
 ALS Vial : 23 Sample Multiplier: 1

Quant Time: Apr 30 11:05:35 2013
 Quant Method : J:\MS14\METHODS\CA100912E.M
 Quant Title : Short Chain Carboxylic Acids in Air
 QLast Update : Fri Apr 05 11:12:06 2013
 Response via : Initial Calibration



Data Path : J:\MS14\DATA\ACIDS\2013_04\26\
 Data File : 04261324.D
 Acq On : 26 Apr 2013 6:19 pm
 Operator : EI
 Sample : P1301655-002 Back 1.0ml
 Misc :
 ALS Vial : 23 Sample Multiplier: 1

4/30/13
 EI

Quant Time: Apr 30 11:05:35 2013
 Quant Method : J:\MS14\METHODS\CA100912E.M
 Quant Title : Short Chain Carboxylic Acids in Air
 QLast Update : Fri Apr 05 11:12:06 2013
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) IS1 Bromofluorobenzene...	8.01	95	902754	10.00	ug/ml	0.00
13) IS2 1,4-Dibromobenzene	10.63	236	628980	10.00	ug/ml	0.00
19) IS3 Biphenyl	12.40	154	2839429	10.00	ug/ml	0.00

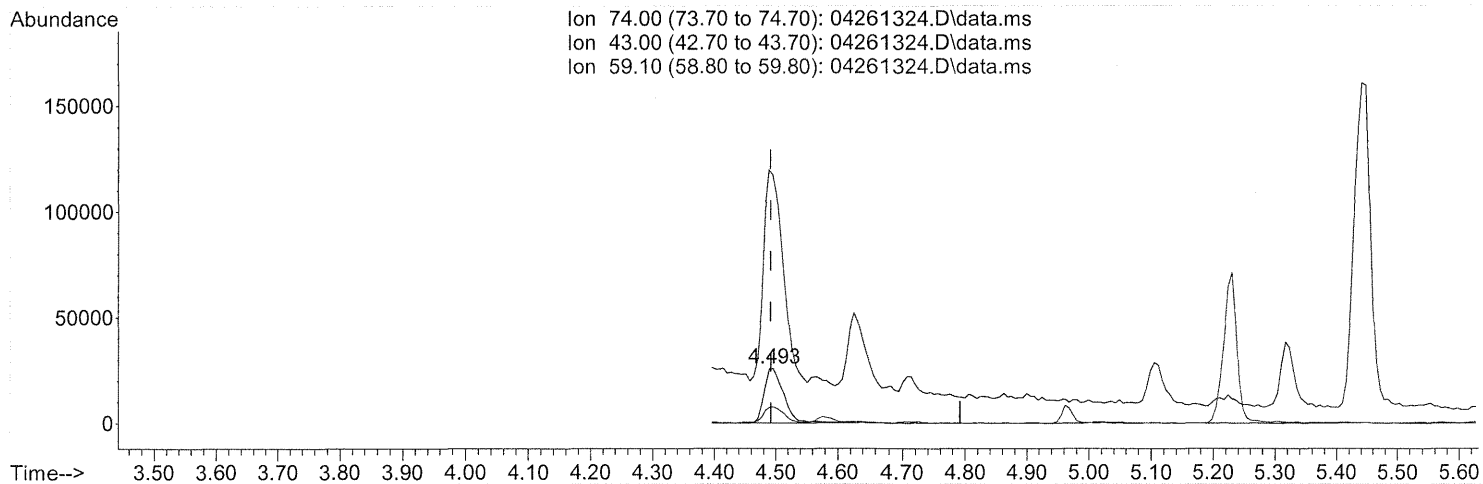
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Acetic acid	4.50	74	568647	73.74	ug/ml#	29
3) Propanoic acid	5.23	57	3345999	57.74	ug/ml	96
4) 2-Methylpropanoic acid	5.68	71	1210145	27.27	ug/ml	98
5) Butanoic acid	6.09	74	10855120	139.79	ug/ml	99
6) 2-Methylbutanoic acid	6.60	88	833224	7.26	ug/ml	97
7) 3-Methylbutanoic acid	6.67	74	1452747	9.76	ug/ml	97
8) Pentanoic acid	7.15	74	2332632	15.81	ug/ml	96
9) 2-Methylpentanoic acid	7.54	88	65527	0.33	ug/ml#	48
10) 3-Methylpentanoic acid	0.00	74	0	N.D.	d	
11) 4-Methylpentanoic acid	0.00	74	0	N.D.		
12) Hexanoic acid	8.18	74	1006438	5.03	ug/ml	98
14) Heptanoic acid	0.00	74	0	N.D.		
15) 2-Ethylhexanoic acid	0.00	87	0	N.D.		
16) Cyclohexanecarboxylic ...	0.00	55	0	N.D.		
17) Octanoic acid	0.00	74	0	N.D.		
18) Benzoic acid	0.00	105	0	N.D.		
20) Nonanoic acid	0.00	74	0	N.D.		
21) Decanoic Acid	0.00	74	0	N.D.		

(#) = qualifier out of range (m) = manual integration (+) = signals summed

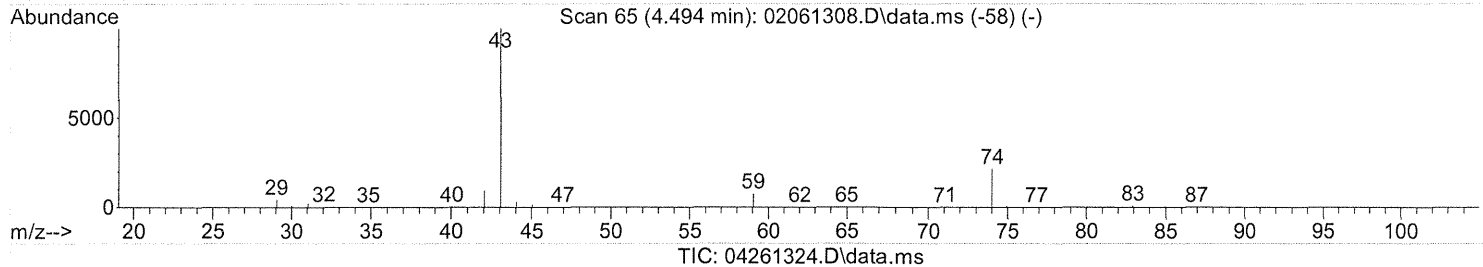
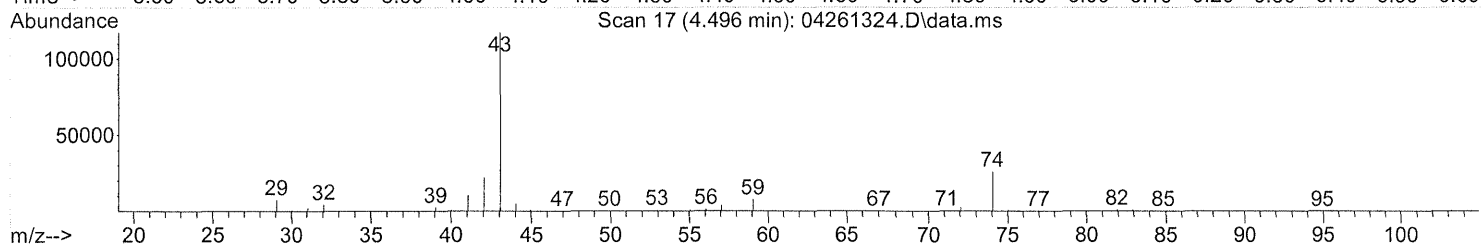
Quantitation Report (Qedit)

Data Path : J:\MS14\DATA\ACIDS\2013_04\26\
 Data File : 04261324.D
 Acq On : 26 Apr 2013 6:19 pm
 Operator : EI
 Sample : P1301655-002 Back 1.0ml
 Misc :
 ALS Vial : 23 Sample Multiplier: 1

Quant Time: Apr 27 08:47:34 2013
 Quant Method : J:\MS14\METHODS\CA100912E.M
 Quant Title : Short Chain Carboxylic Acids in Air
 QLast Update : Fri Apr 05 11:12:06 2013
 Response via : Initial Calibration



Ion 74.00 (73.70 to 74.70): 04261324.D\data.ms
 Ion 43.00 (42.70 to 43.70): 04261324.D\data.ms
 Ion 59.10 (58.80 to 59.80): 04261324.D\data.ms



(2) Acetic acid (T)

4.496min (+0.003) 73.74ug/ml

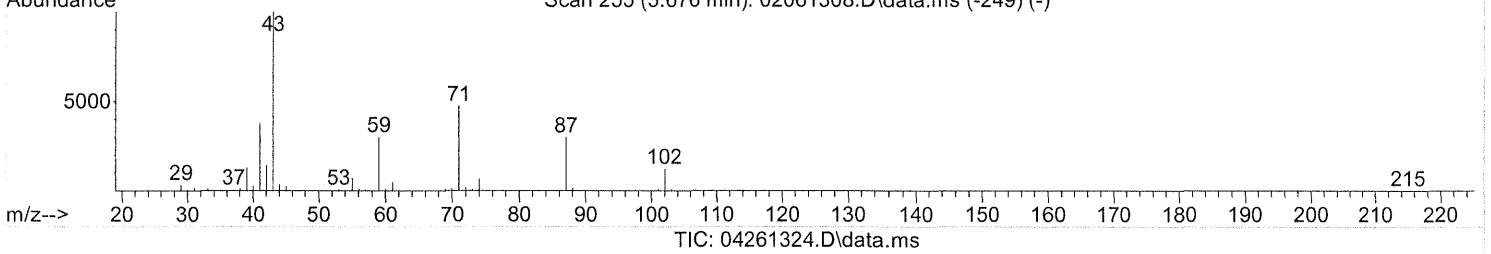
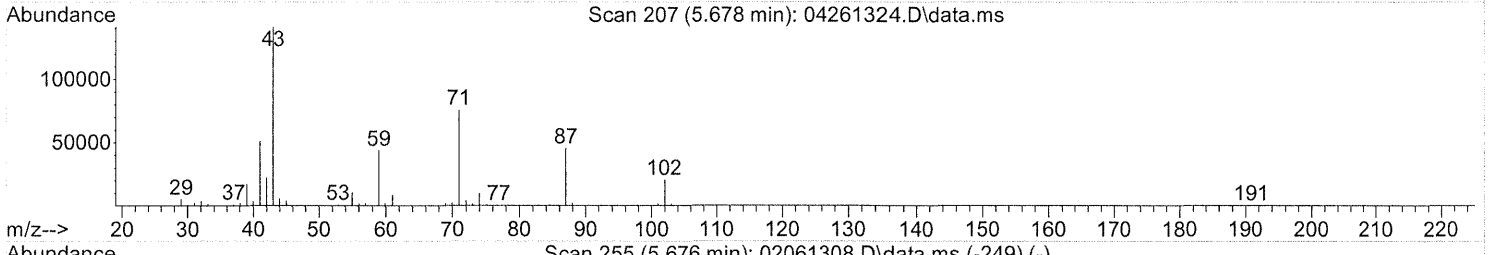
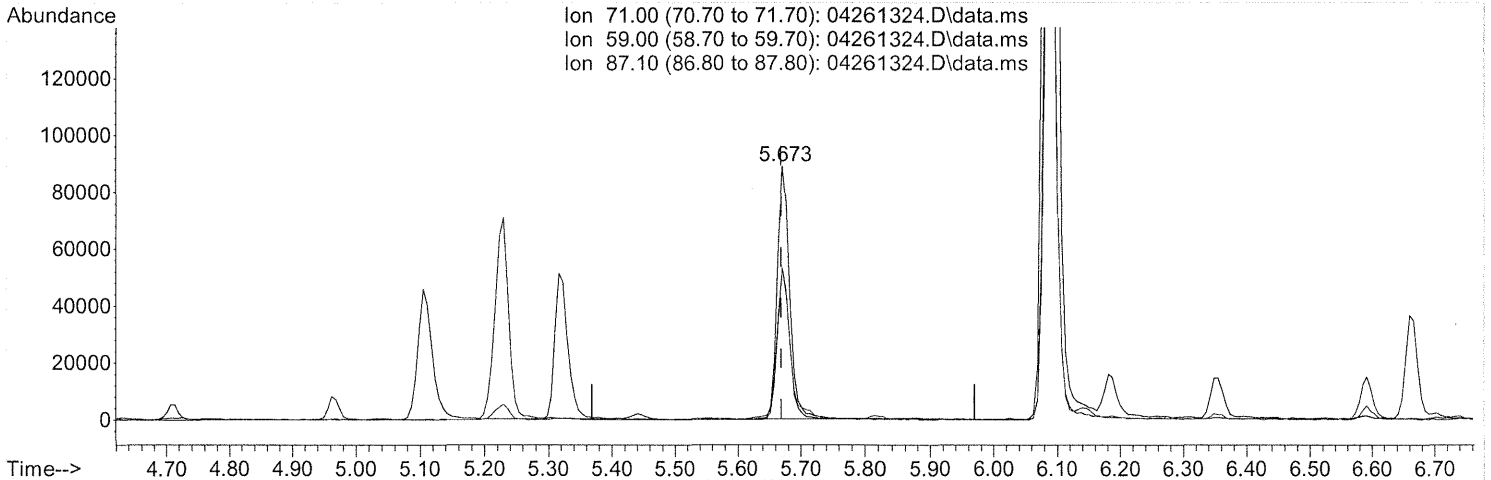
response 568647

Ion	Exp%	Act%
74.00	100	100
43.00	609.70	376.21#
59.10	31.40	29.47
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : J:\MS14\DATA\ACIDS\2013_04\26\
 Data File : 04261324.D
 Acq On : 26 Apr 2013 6:19 pm
 Operator : EI
 Sample : P1301655-002 Back 1.0ml
 Misc :
 ALS Vial : 23 Sample Multiplier: 1

Quant Time: Apr 27 08:47:34 2013
 Quant Method : J:\MS14\METHODS\CA100912E.M
 Quant Title : Short Chain Carboxylic Acids in Air
 QLast Update : Fri Apr 05 11:12:06 2013
 Response via : Initial Calibration



(4) 2-Methylpropanoic acid (T)

5.676min (+0.006) 27.27ug/ml

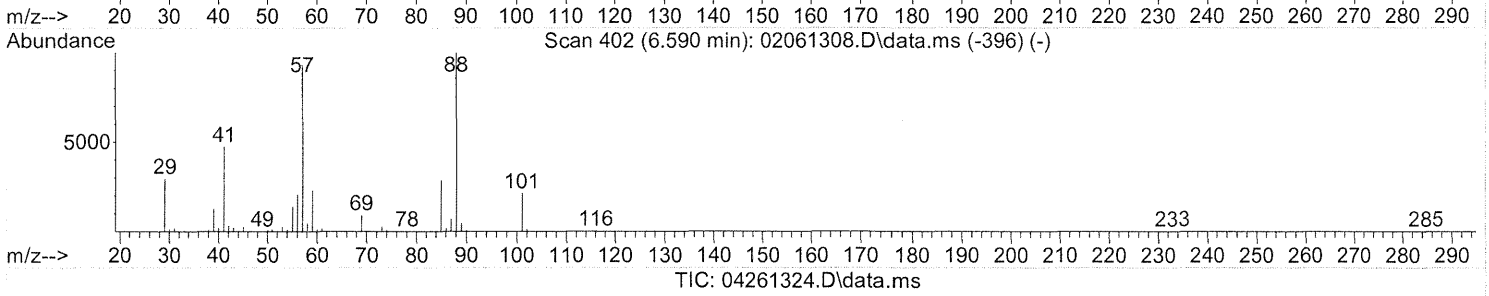
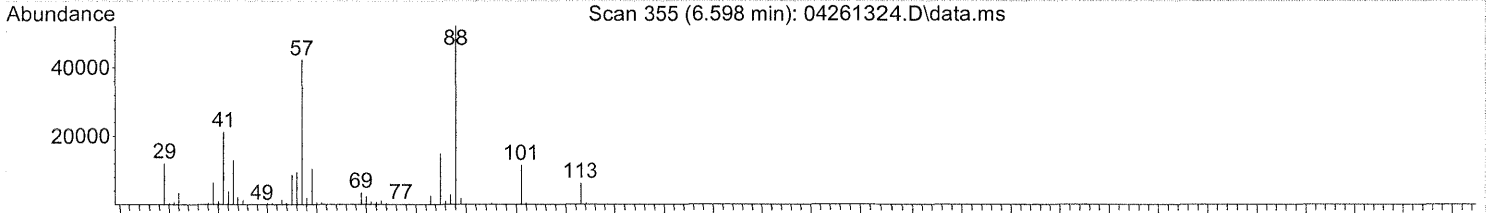
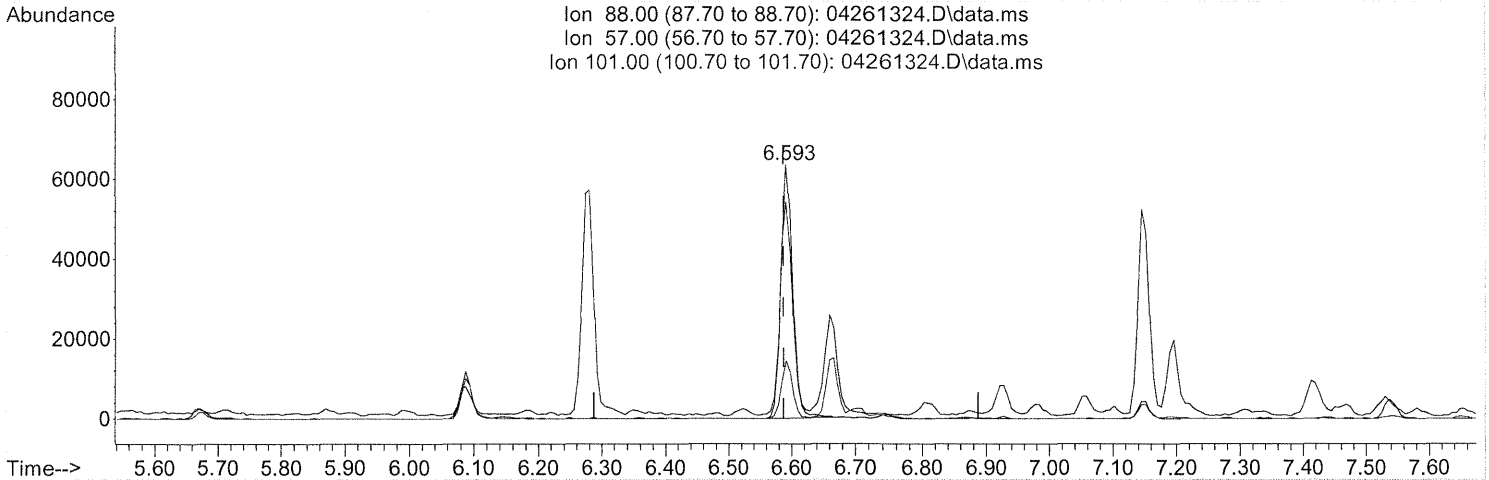
response 1210145

Ion	Exp%	Act%
71.00	100	100
59.00	61.50	62.01
87.10	60.50	62.33
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : J:\MS14\DATA\ACIDS\2013_04\26\
Data File : 04261324.D
Acq On : 26 Apr 2013 6:19 pm
Operator : EI
Sample : P1301655-002 Back 1.0ml
Misc :
ALS Vial : 23 Sample Multiplier: 1

Quant Time: Apr 27 08:47:34 2013
Quant Method : J:\MS14\METHODS\CA100912E.M
Quant Title : Short Chain Carboxylic Acids in Air
QLast Update : Fri Apr 05 11:12:06 2013
Response via : Initial Calibration



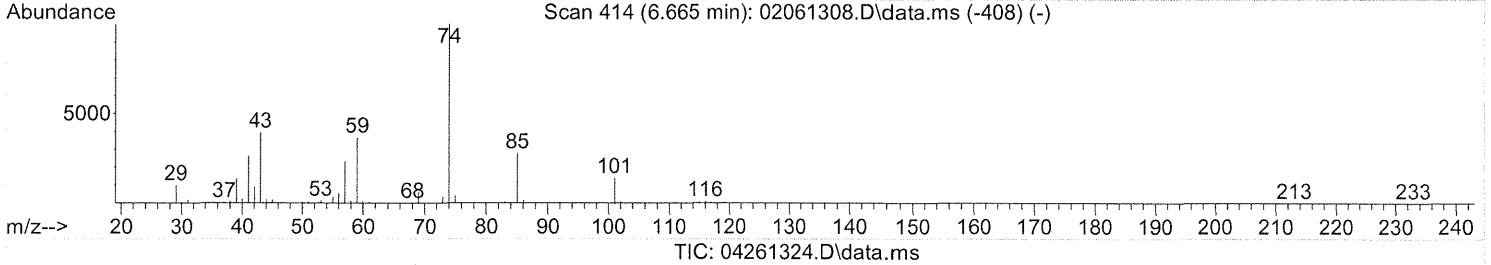
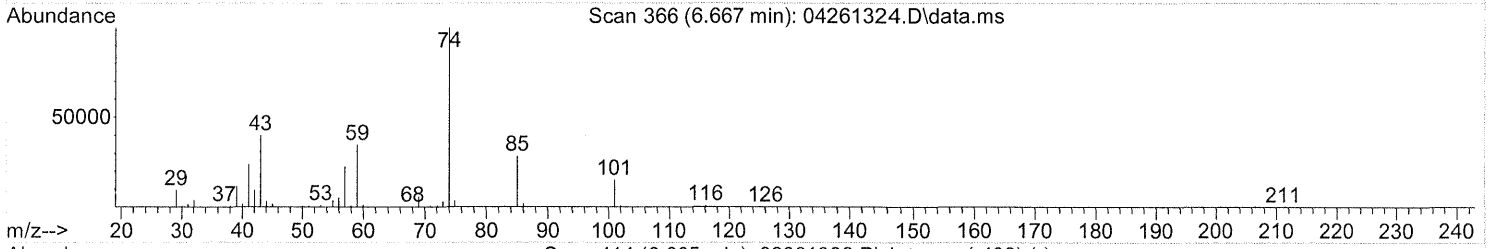
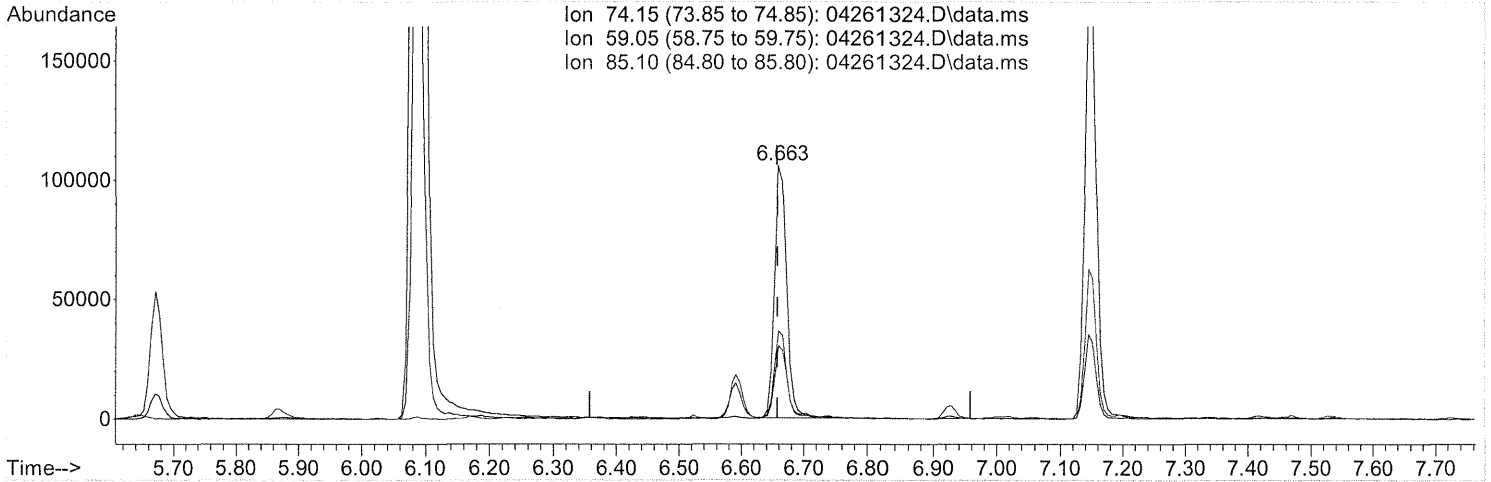
(6) 2-Methylbutanoic acid
6.596min (+0.008) 7.26ug/ml
response 833224

Ion	Exp%	Act%
88.00	100	100
57.00	90.80	87.28
101.00	21.80	21.18
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : J:\MS14\DATA\ACIDS\2013_04\26\
 Data File : 04261324.D
 Acq On : 26 Apr 2013 6:19 pm
 Operator : EI
 Sample : P1301655-002 Back 1.0ml
 Misc :
 ALS Vial : 23 Sample Multiplier: 1

Quant Time: Apr 27 08:47:34 2013
 Quant Method : J:\MS14\METHODS\CA100912E.M
 Quant Title : Short Chain Carboxylic Acids in Air
 QLast Update : Fri Apr 05 11:12:06 2013
 Response via : Initial Calibration



(7) 3-Methylbutanoic acid (T)

6.666min (+0.007) 9.76ug/ml

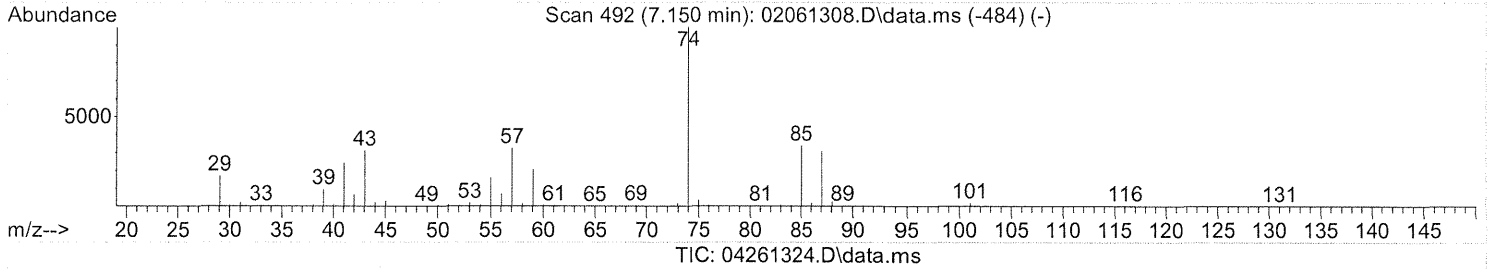
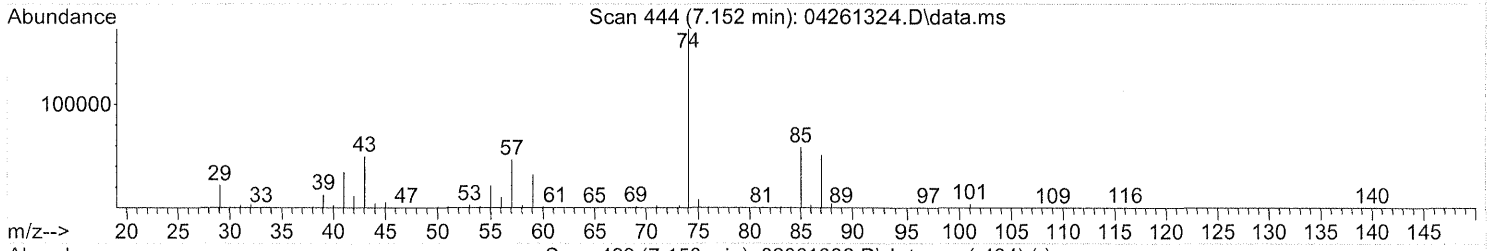
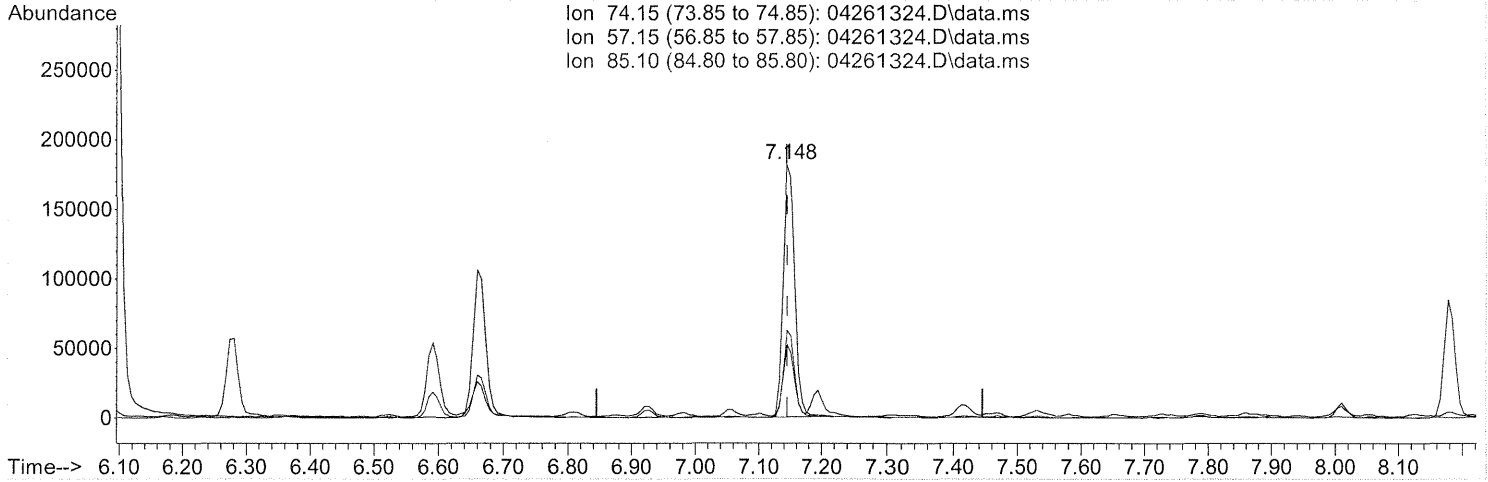
response 1452747

Ion	Exp%	Act%
74.15	100	100
59.05	36.50	33.87
85.10	27.70	28.83
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : J:\MS14\DATA\ACIDS\2013_04\26\
 Data File : 04261324.D
 Acq On : 26 Apr 2013 6:19 pm
 Operator : EI
 Sample : P1301655-002 Back 1.0ml
 Misc :
 ALS Vial : 23 Sample Multiplier: 1

Quant Time: Apr 27 08:47:34 2013
 Quant Method : J:\MS14\METHODS\CA100912E.M
 Quant Title : Short Chain Carboxylic Acids in Air
 QLast Update : Fri Apr 05 11:12:06 2013
 Response via : Initial Calibration



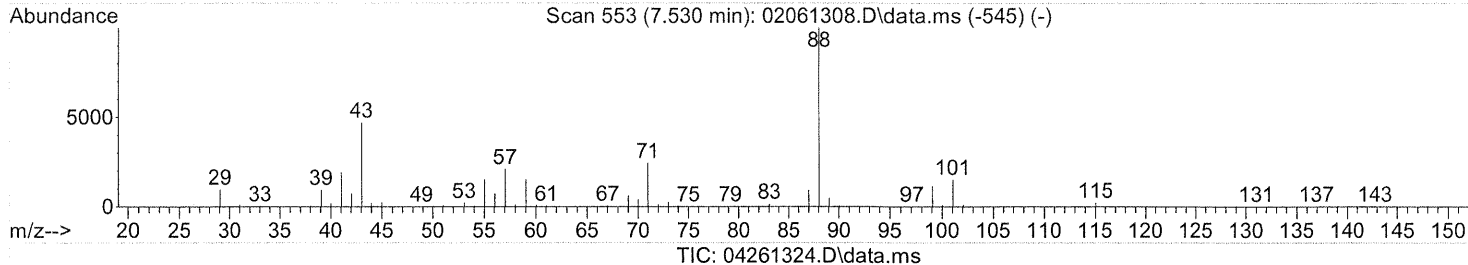
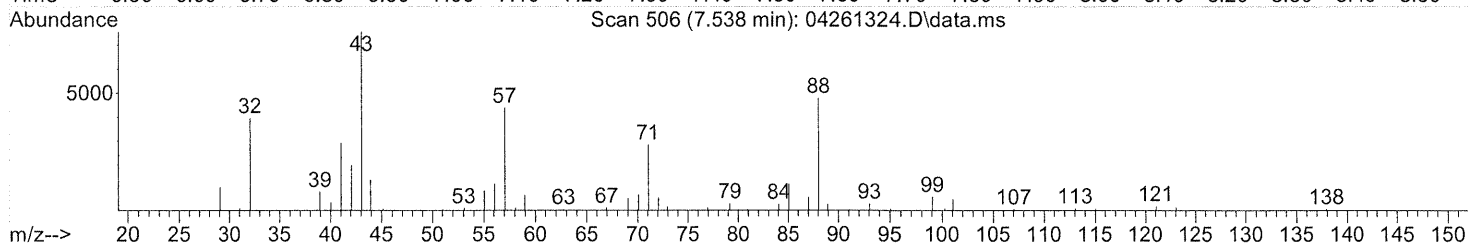
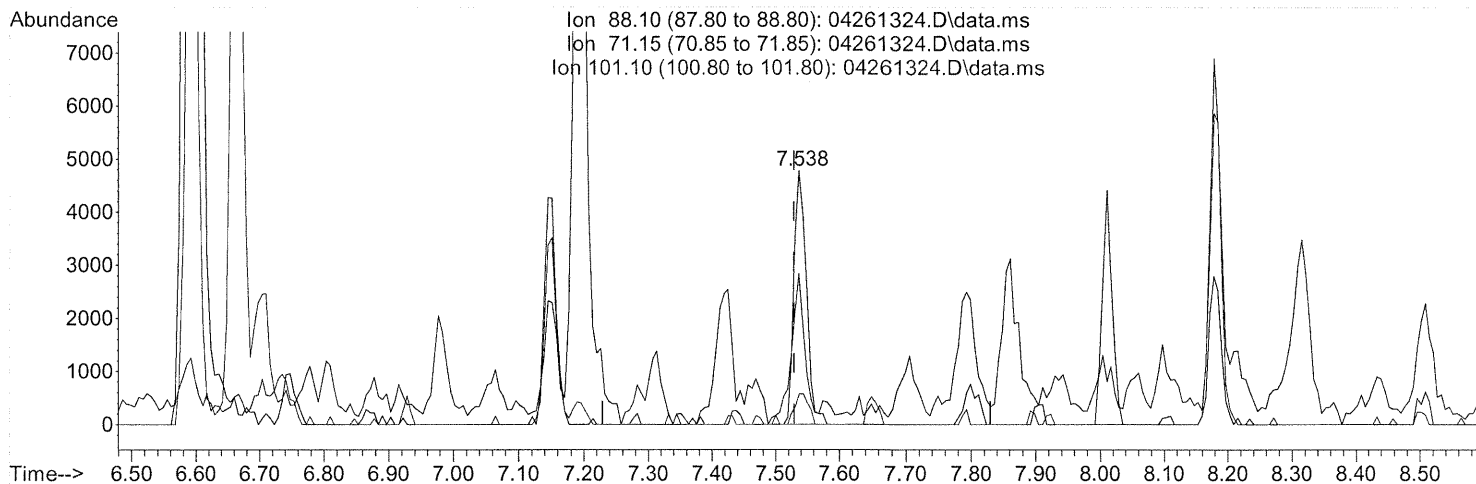
(8) Pentanoic acid (T)
 7.151min (+0.005) 15.81ug/ml
 response 2332632

Ion	Exp%	Act%
74.15	100	100
57.15	32.30	27.41
85.10	33.80	33.61
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : J:\MS14\DATA\ACIDS\2013_04\26\
 Data File : 04261324.D
 Acq On : 26 Apr 2013 6:19 pm
 Operator : EI
 Sample : P1301655-002 Back 1.0ml
 Misc :
 ALS Vial : 23 Sample Multiplier: 1

Quant Time: Apr 30 11:05:35 2013
 Quant Method : J:\MS14\METHODS\CA100912E.M
 Quant Title : Short Chain Carboxylic Acids in Air
 QLast Update : Fri Apr 05 11:12:06 2013
 Response via : Initial Calibration



(9) 2-Methylpentanoic acid (T)

7.541min (+0.011) 0.33ug/ml

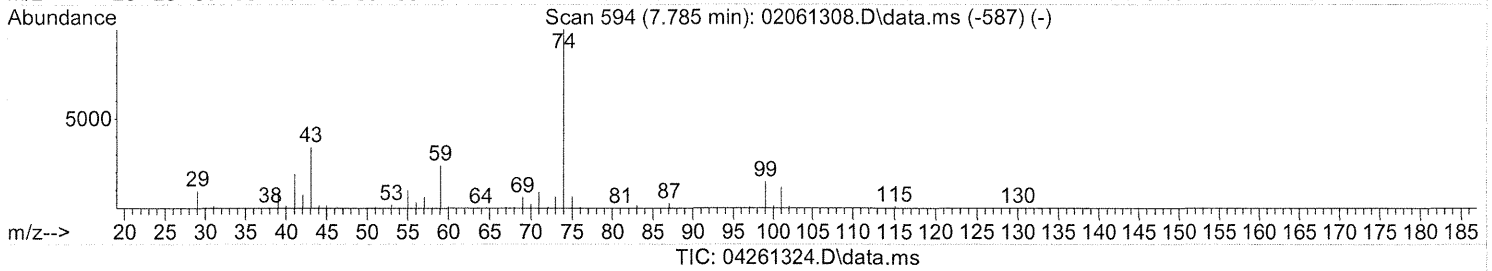
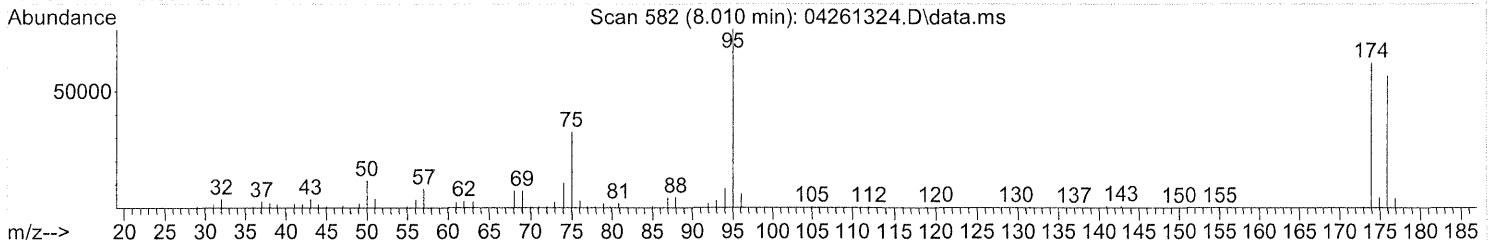
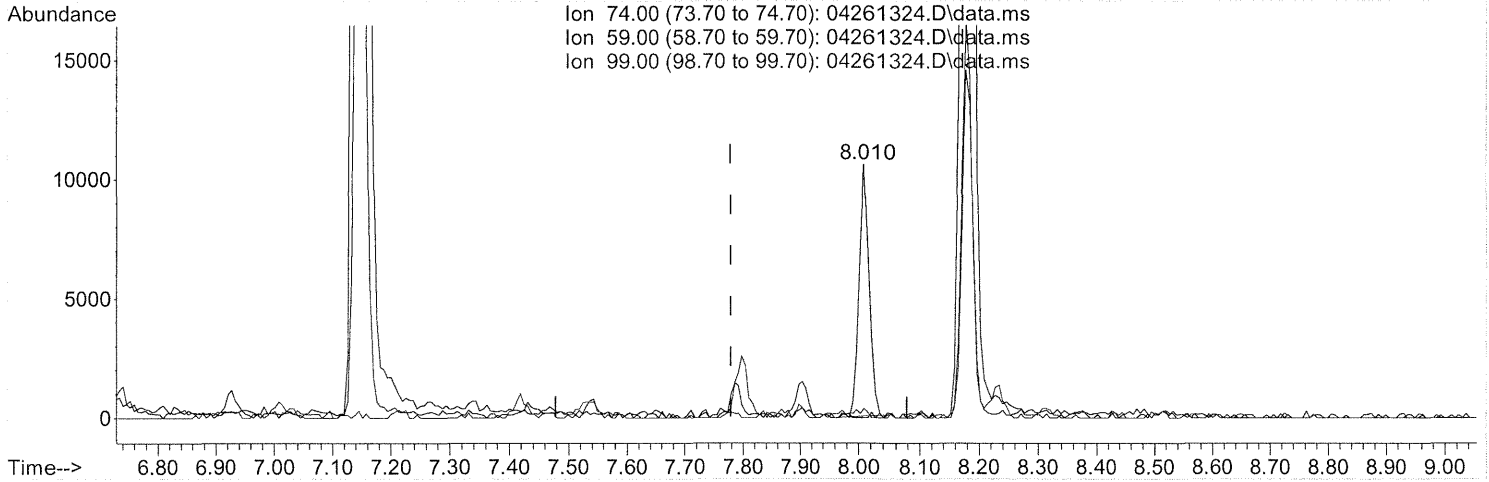
response 65527

Ion	Exp%	Act%
88.10	100	100
71.15	24.30	54.80#
101.10	15.10	0.00
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : J:\MS14\DATA\ACIDS\2013_04\26\
 Data File : 04261324.D
 Acq On : 26 Apr 2013 6:19 pm
 Operator : EI
 Sample : P1301655-002 Back 1.0ml
 Misc :
 ALS Vial : 23 Sample Multiplier: 1

Quant Time: Apr 27 08:47:34 2013
 Quant Method : J:\MS14\METHODS\CA100912E.M
 Quant Title : Short Chain Carboxylic Acids in Air
 QLast Update : Fri Apr 05 11:12:06 2013
 Response via : Initial Calibration



(10) 3-Methylpentanoic acid (T)

8.013min (+0.233) 0.53ug/ml

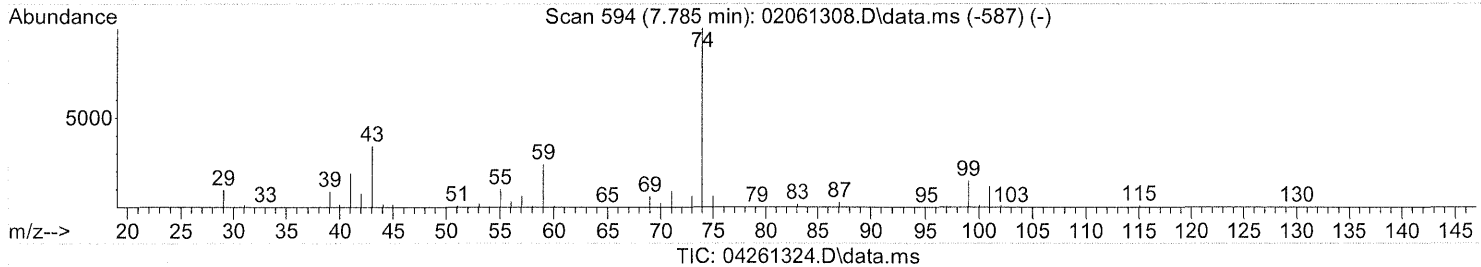
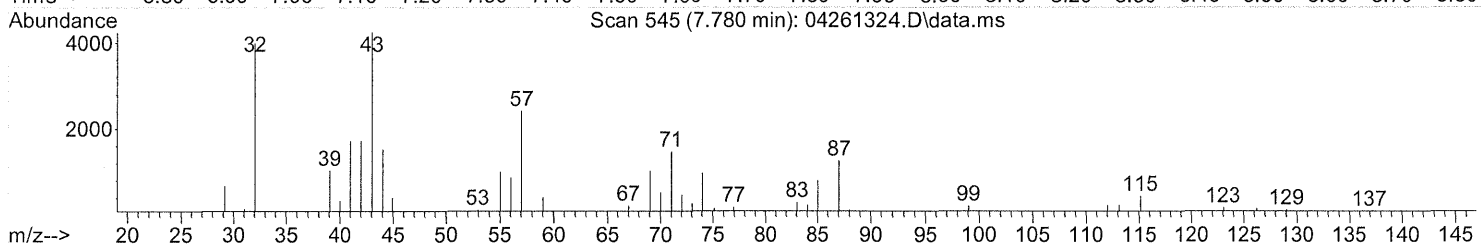
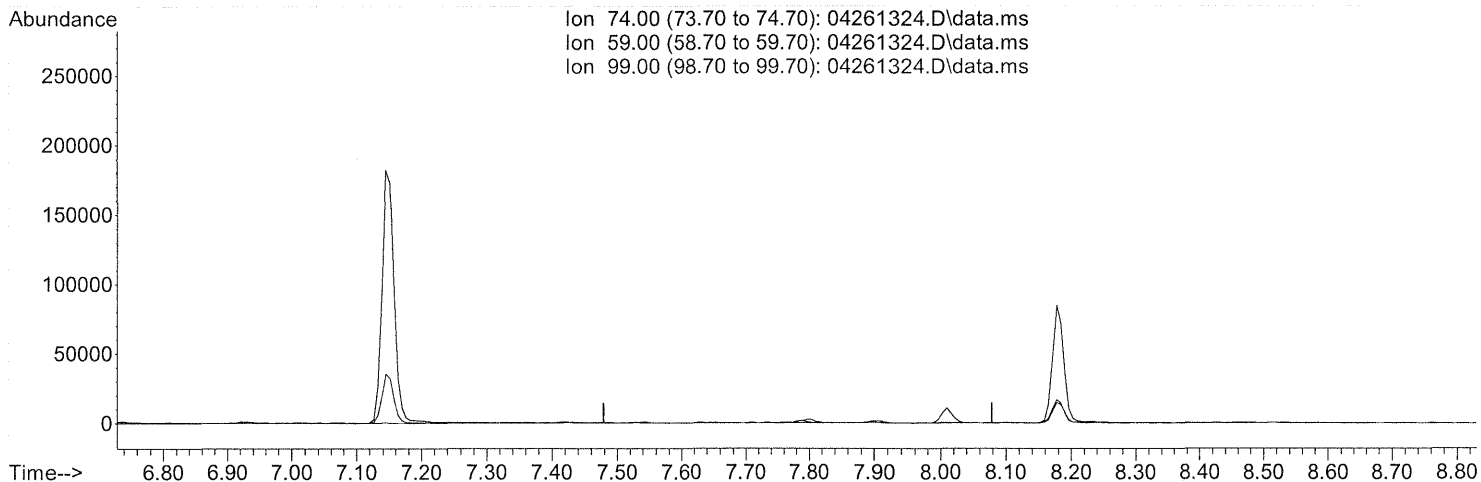
response 121203

Ion	Exp%	Act%
74.00	100	100
59.00	24.00	0.00#
99.00	14.70	0.00
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : J:\MS14\DATA\ACIDS\2013_04\26\
 Data File : 04261324.D
 Acq On : 26 Apr 2013 6:19 pm
 Operator : EI
 Sample : P1301655-002 Back 1.0ml
 Misc :
 ALS Vial : 23 Sample Multiplier: 1

Quant Time: Apr 27 08:47:34 2013
 Quant Method : J:\MS14\METHODS\CA100912E.M
 Quant Title : Short Chain Carboxylic Acids in Air
 QLast Update : Fri Apr 05 11:12:06 2013
 Response via : Initial Calibration



(10) 3-Methylpentanoic acid (T)

7.780min 0.00ug/ml d

response 0

Ion	Exp%	Act%
74.00	100	0.00
59.00	24.00	0.00
99.00	14.70	0.00
0.00	0.00	0.00

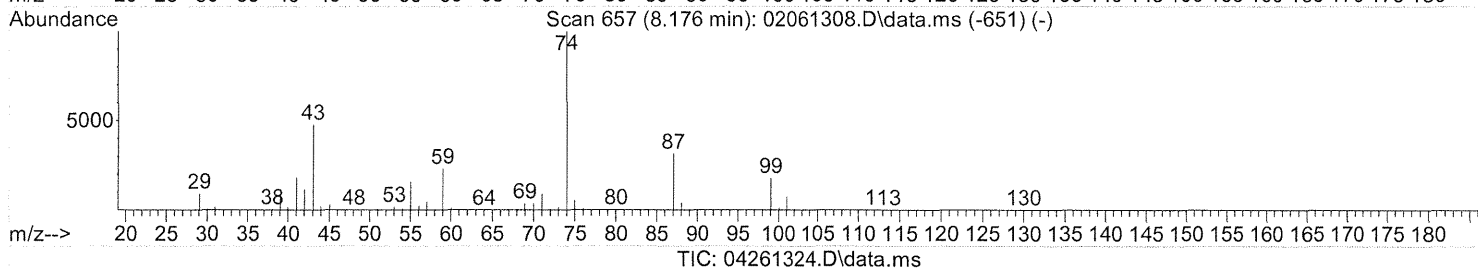
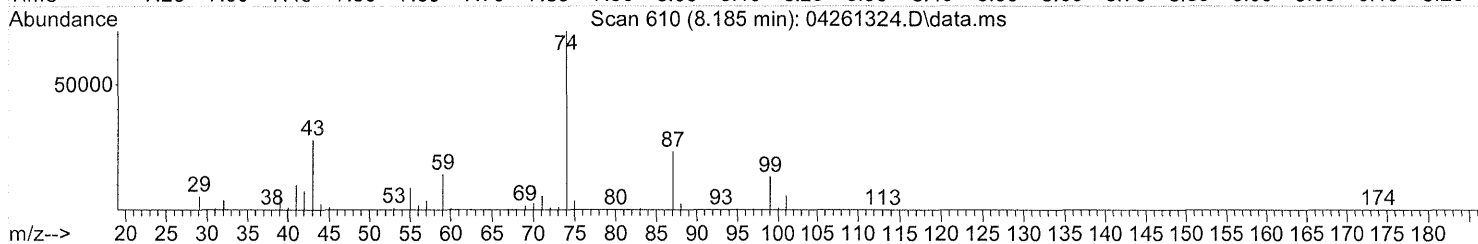
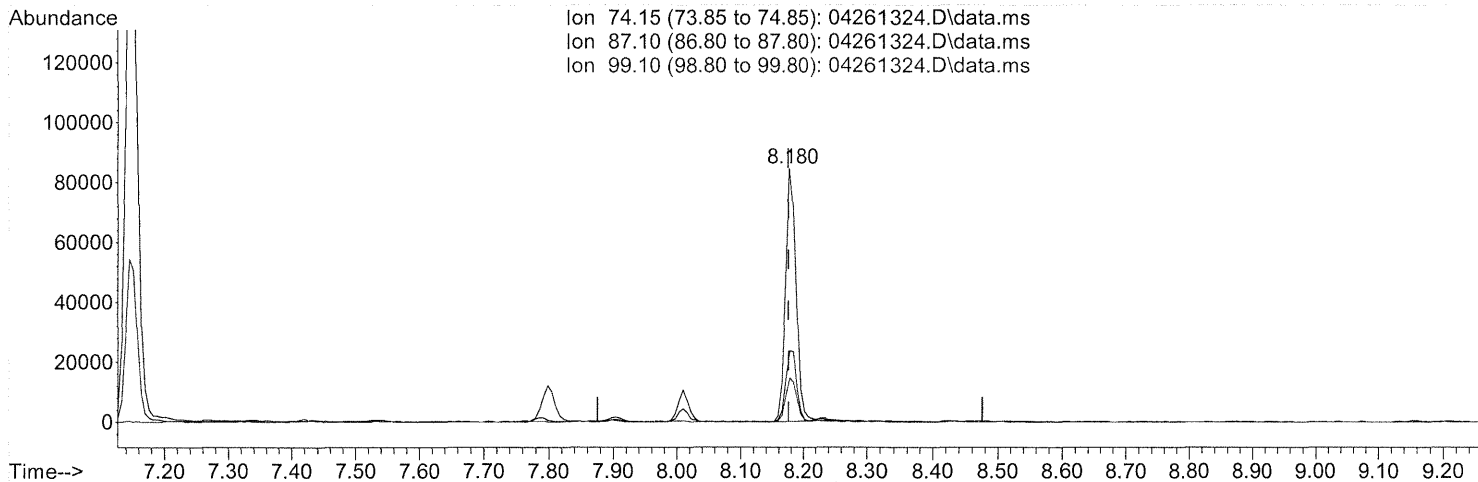
FP 4/22/13
 EI

(Handwritten signature)
 5/1/13

Quantitation Report (Qedit)

Data Path : J:\MS14\DATA\ACIDS\2013_04\26\
Data File : 04261324.D
Acq On : 26 Apr 2013 6:19 pm
Operator : EI
Sample : P1301655-002 Back 1.0ml
Misc :
ALS Vial : 23 Sample Multiplier: 1

Quant Time: Apr 30 11:05:35 2013
Quant Method : J:\MS14\METHODS\CA100912E.M
Quant Title : Short Chain Carboxylic Acids in Air
QLast Update : Fri Apr 05 11:12:06 2013
Response via : Initial Calibration



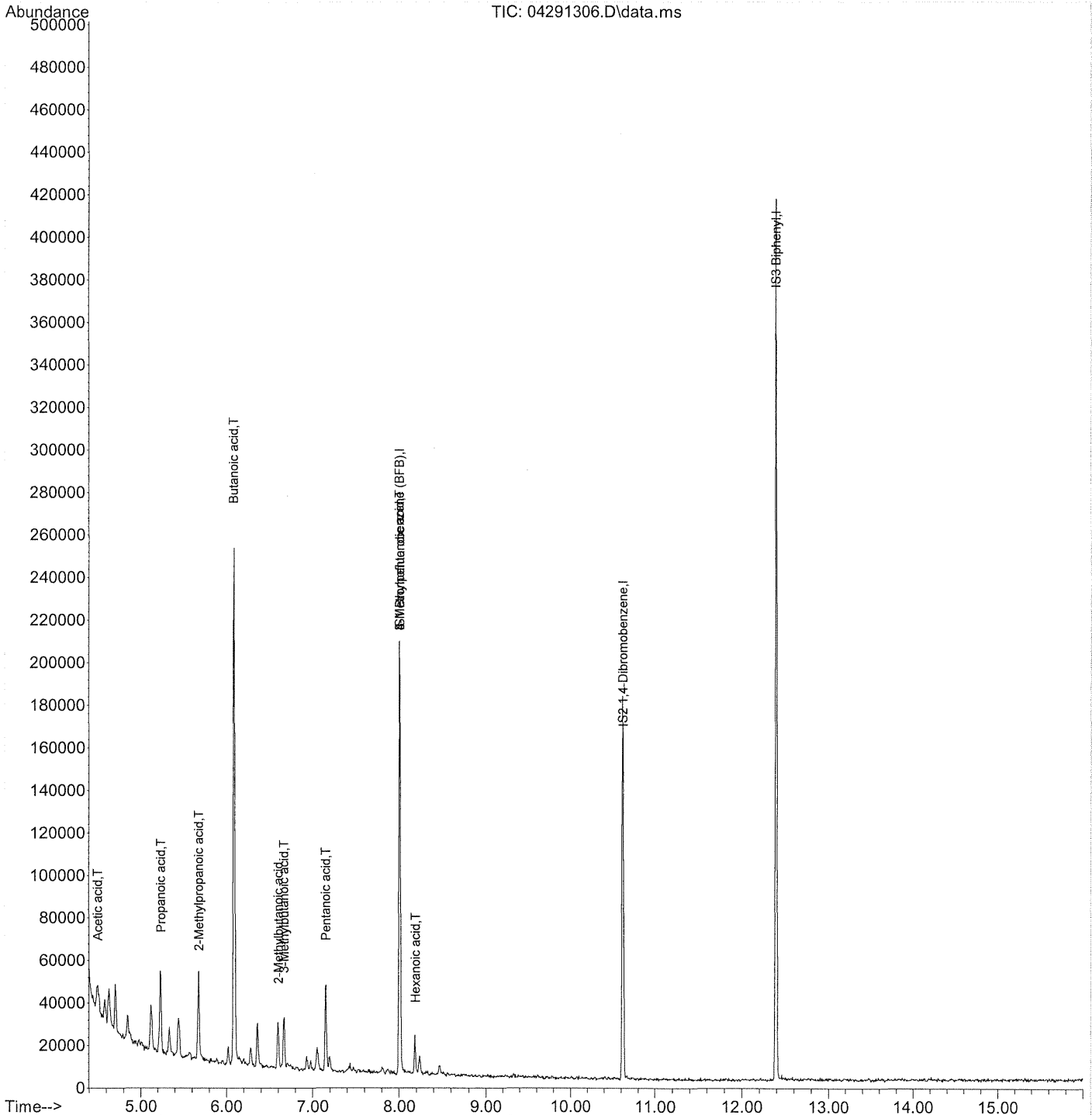
(12) Hexanoic acid (T)
8.183min (+0.006) 5.03ug/ml
response 1006438

Ion	Exp%	Act%
74.15	100	100
87.10	31.40	29.85
99.10	17.80	17.52
0.00	0.00	0.00

Quantitation Report (QT Reviewed)

Data Path : J:\MS14\DATA\ACIDS\2013_04\29\
Data File : 04291306.D
Acq On : 29 Apr 2013 2:44 pm
Operator : EI
Sample : P1301655-002 Back 1.0ml 10x
Misc :
ALS Vial : 5 Sample Multiplier: 1

Quant Time: Apr 29 15:06:27 2013
Quant Method : J:\MS14\METHODS\CA100912E.M
Quant Title : Short Chain Carboxylic Acids in Air
QLast Update : Fri Apr 05 11:12:06 2013
Response via : Initial Calibration



Quantitation Report (QT Reviewed)

Data Path : J:\MS14\DATA\ACIDS\2013_04\29\
 Data File : 04291306.D
 Acq On : 29 Apr 2013 2:44 pm
 Operator : EI
 Sample : P1301655-002 Back 1.0ml 10x
 Misc :
 ALS Vial : 5 Sample Multiplier: 1

4/30/13
 CT

Quant Time: Apr 29 15:06:27 2013
 Quant Method : J:\MS14\METHODS\CA100912E.M
 Quant Title : Short Chain Carboxylic Acids in Air
 QLast Update : Fri Apr 05 11:12:06 2013
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev (Min)
1) IS1 Bromofluorobenzene...	8.01	95	492507	10.00	ug/ml	0.00
13) IS2 1,4-Dibromobenzene	10.63	236	388045	10.00	ug/ml	0.00
19) IS3 Biphenyl	12.40	154	1747471	10.00	ug/ml	0.00

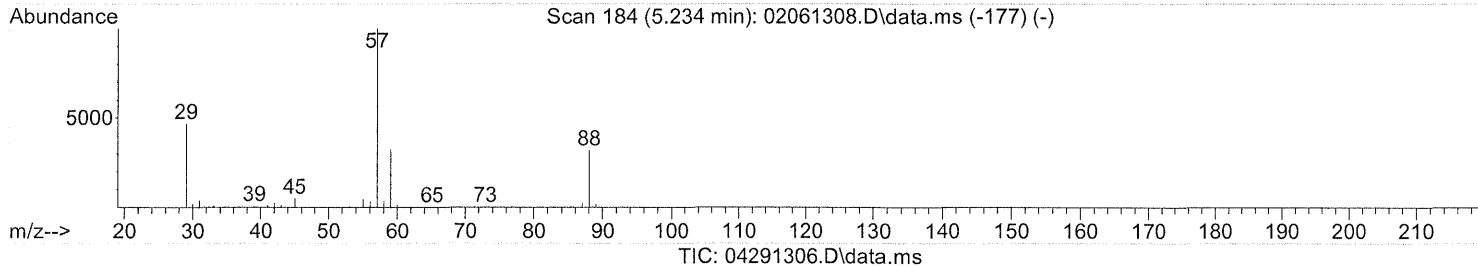
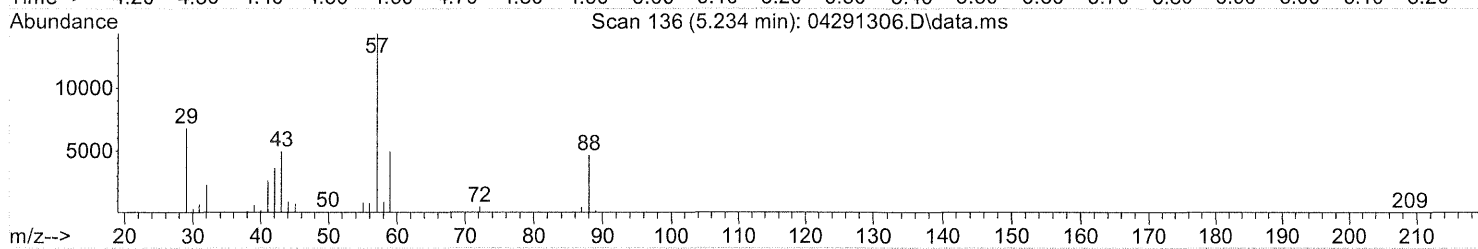
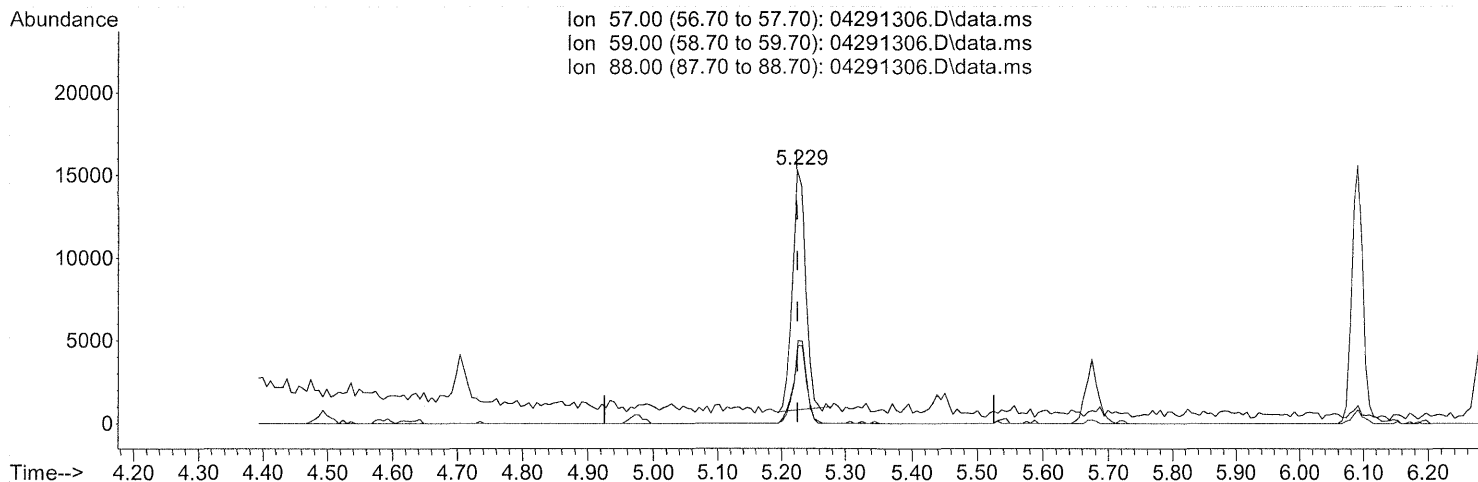
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Acetic acid	4.50	74	32127	7.64	ug/ml#	39
3) Propanoic acid	5.23	57	207495	6.56	ug/ml	97
4) 2-Methylpropanoic acid	5.68	71	82181	3.39	ug/ml	92
5) Butanoic acid	6.09	74	693042	16.36	ug/ml	99
6) 2-Methylbutanoic acid	6.60	88	50081	0.80	ug/ml#	85
7) 3-Methylbutanoic acid	6.67	74	101349	1.25	ug/ml	93
8) Pentanoic acid	7.16	74	147678	1.84	ug/ml	92
9) 2-Methylpentanoic acid	0.00	88	0	N.D.		
10) 3-Methylpentanoic acid	8.01	74	74703	0.60	ug/ml#	56
11) 4-Methylpentanoic acid	8.01	74	74903	1.18	ug/ml#	45
12) Hexanoic acid	8.19	74	62626	0.57	ug/ml#	49
14) Heptanoic acid	0.00	74	0	N.D.		
15) 2-Ethylhexanoic acid	0.00	87	0	N.D.		
16) Cyclohexanecarboxylic ...	0.00	55	0	N.D.		
17) Octanoic acid	0.00	74	0	N.D.		
18) Benzoic acid	0.00	105	0	N.D.		
20) Nonanoic acid	0.00	74	0	N.D.		
21) Decanoic Acid	0.00	74	0	N.D.		

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (Qedit)

Data Path : J:\MS14\DATA\ACIDS\2013_04\29\
 Data File : 04291306.D
 Acq On : 29 Apr 2013 2:44 pm
 Operator : EI
 Sample : P1301655-002 Back 1.0ml 10x
 Misc :
 ALS Vial : 5 Sample Multiplier: 1

Quant Time: Apr 29 15:06:27 2013
 Quant Method : J:\MS14\METHODS\CA100912E.M
 Quant Title : Short Chain Carboxylic Acids in Air
 QLast Update : Fri Apr 05 11:12:06 2013
 Response via : Initial Calibration



(3) Propanoic acid (T)

5.232min (+0.005) 6.56ug/ml

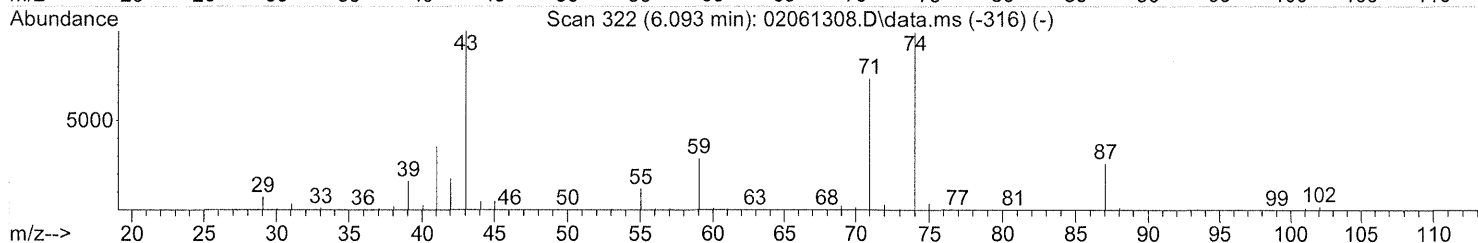
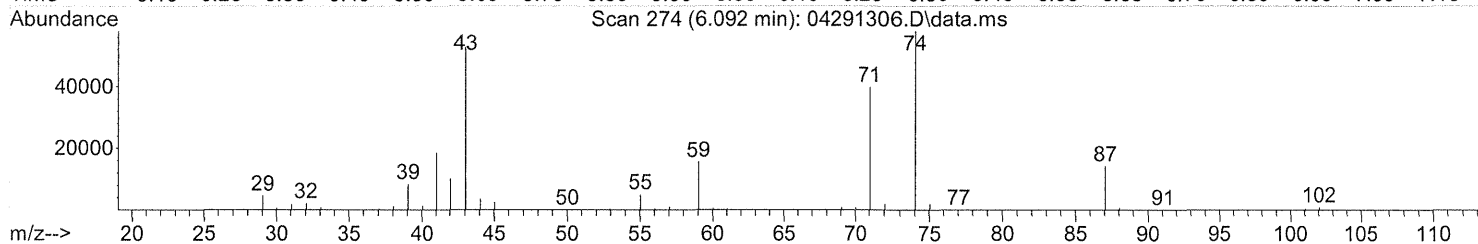
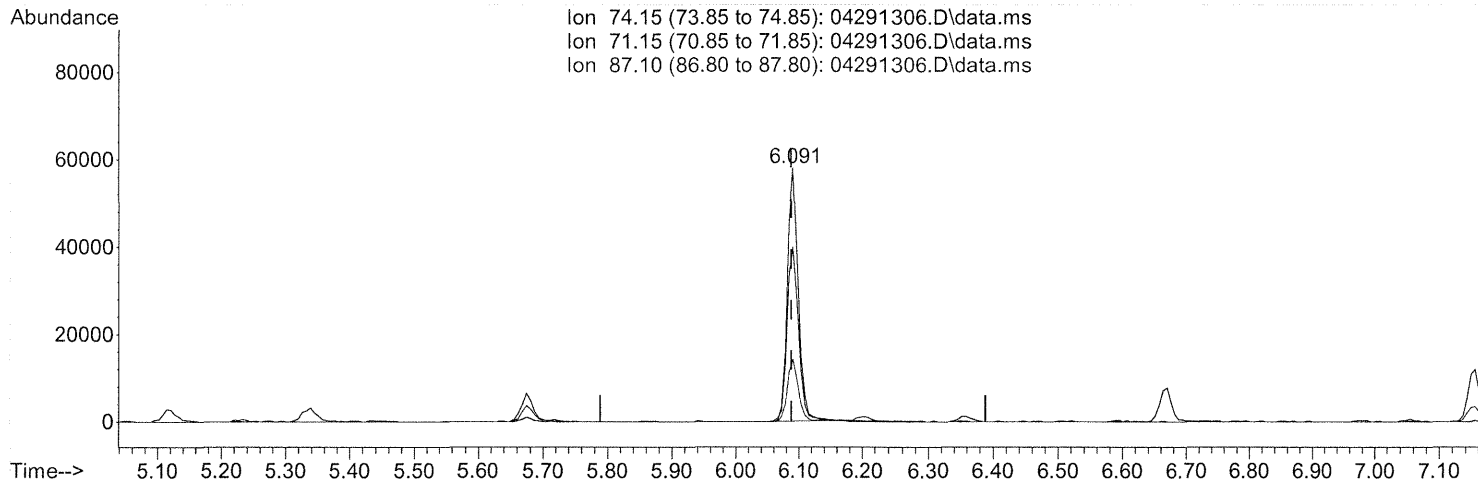
response 207495

Ion	Exp%	Act%
57.00	100	100
59.00	30.60	34.16
88.00	31.60	31.73
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : J:\MS14\DATA\ACIDS\2013_04\29\
 Data File : 04291306.D
 Acq On : 29 Apr 2013 2:44 pm
 Operator : EI
 Sample : P1301655-002 Back 1.0ml 10x
 Misc :
 ALS Vial : 5 Sample Multiplier: 1

Quant Time: Apr 29 15:06:27 2013
 Quant Method : J:\MS14\METHODS\CA100912E.M
 Quant Title : Short Chain Carboxylic Acids in Air
 QLast Update : Fri Apr 05 11:12:06 2013
 Response via : Initial Calibration



TIC: 04291306.D\data.ms

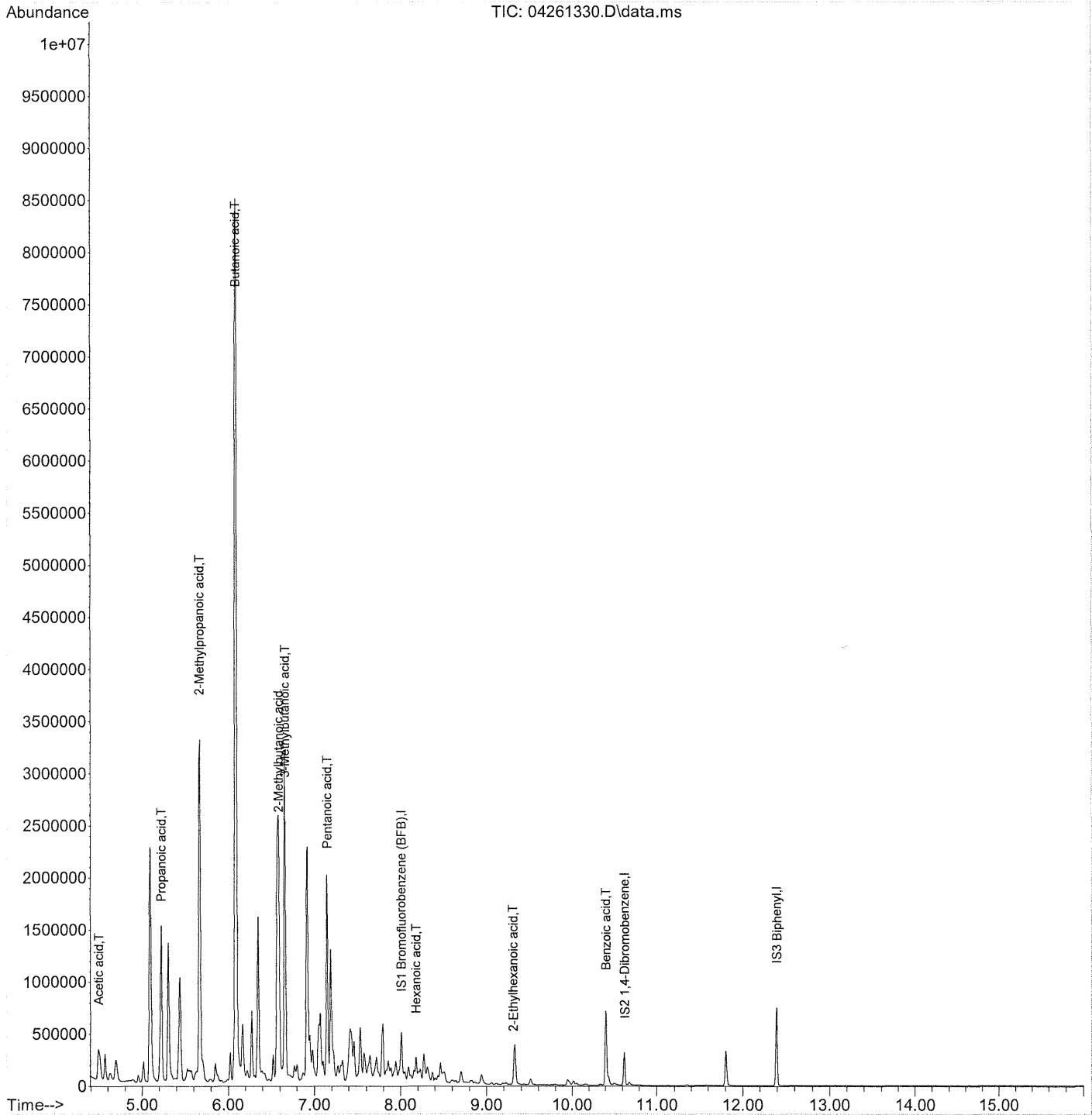
(5) Butanoic acid (T)
 6.094min (+0.005) 16.36ug/ml
 response 693042

Ion	Exp%	Act%
74.15	100	100
71.15	73.60	72.73
87.10	24.00	24.85
0.00	0.00	0.00

Quantitation Report (QT Reviewed)

Data Path : J:\MS14\DATA\ACIDS\2013_04\26\
Data File : 04261330.D
Acq On : 26 Apr 2013 8:23 pm
Operator : EI
Sample : P1301655-003 Front 1.0ml
Misc :
ALS Vial : 29 Sample Multiplier: 1

Quant Time: Apr 30 11:49:51 2013
Quant Method : J:\MS14\METHODS\CA100912E.M
Quant Title : Short Chain Carboxylic Acids in Air
QLast Update : Fri Apr 05 11:12:06 2013
Response via : Initial Calibration



Data Path : J:\MS14\DATA\ACIDS\2013_04\26\
 Data File : 04261330.D
 Acq On : 26 Apr 2013 8:23 pm
 Operator : EI
 Sample : P1301655-003 Front 1.0ml
 Misc :
 ALS Vial : 29 Sample Multiplier: 1

4/30/13
 Et

Quant Time: Apr 30 11:49:51 2013
 Quant Method : J:\MS14\METHODS\CA100912E.M
 Quant Title : Short Chain Carboxylic Acids in Air
 QLast Update : Fri Apr 05 11:12:06 2013
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev (Min)
1) IS1 Bromofluorobenzene...	8.01	95	917713	10.00	ug/ml	0.00
13) IS2 1,4-Dibromobenzene	10.62	236	610364	10.00	ug/ml	0.00
19) IS3 Biphenyl	12.39	154	2859434	10.00	ug/ml	0.00

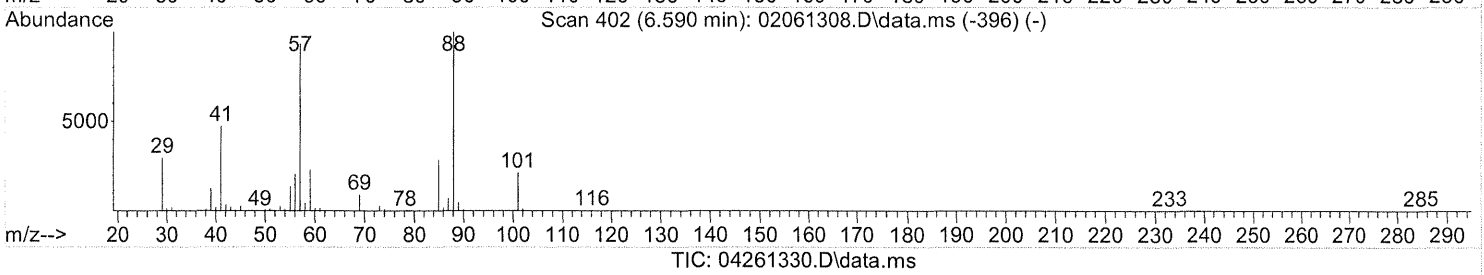
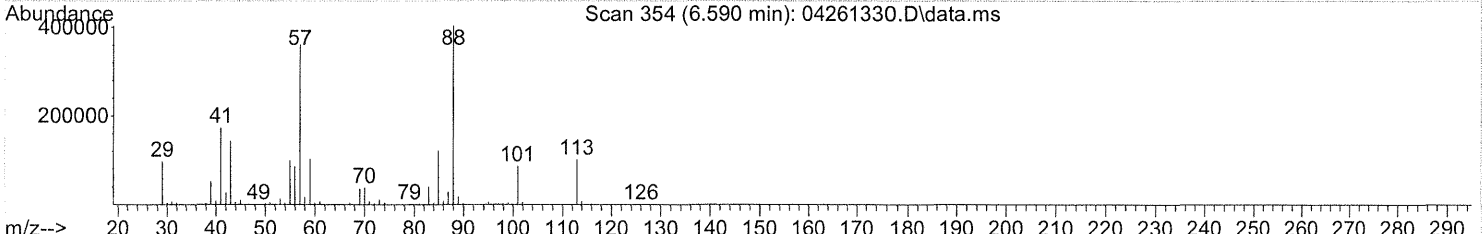
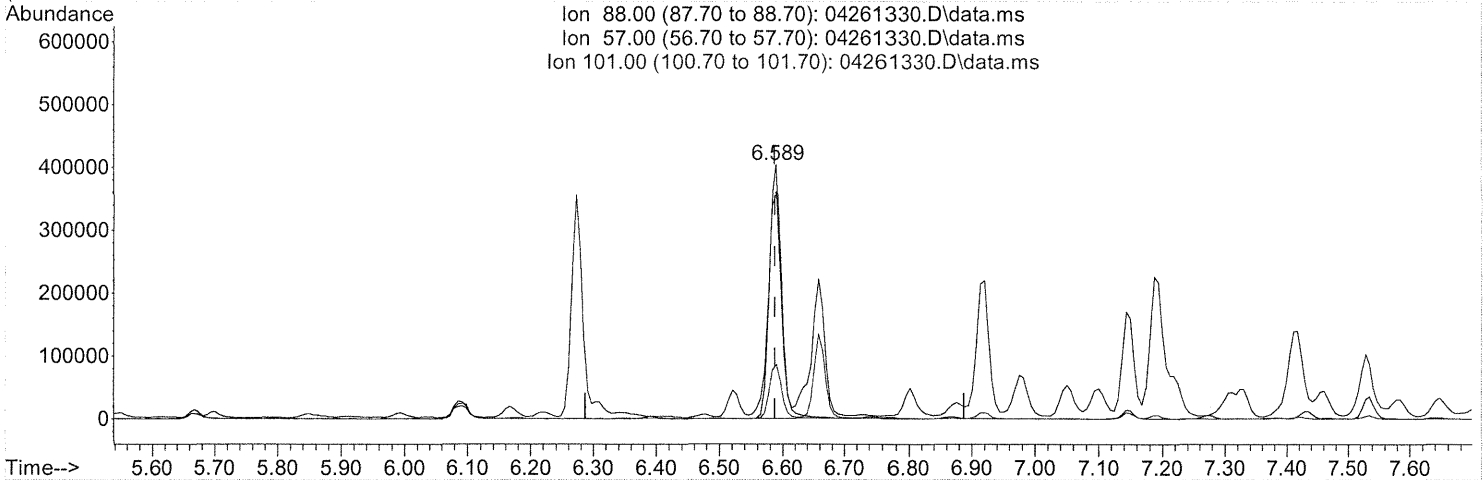
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Acetic acid	4.50	74	918061	117.11	ug/ml#	37
3) Propanoic acid	5.23	57	8308599	141.04	ug/ml	95
4) 2-Methylpropanoic acid	5.67	71	6935168	153.74	ug/ml	99
5) Butanoic acid	6.09	74	34248125	433.84	ug/ml	97
6) 2-Methylbutanoic acid	6.59	88	5414836	46.38	ug/ml	97
7) 3-Methylbutanoic acid	6.66	74	12213129	80.71	ug/ml	97
8) Pentanoic acid	7.15	74	6967134	46.46	ug/ml	96
9) 2-Methylpentanoic acid	0.00	88	0	N.D.	d	
10) 3-Methylpentanoic acid	0.00	74	0	N.D.	d	
11) 4-Methylpentanoic acid	0.00	74	0	N.D.		
12) Hexanoic acid	8.18	74	839919	4.13	ug/ml	97
14) Heptanoic acid	0.00	74	0	N.D.		
15) 2-Ethylhexanoic acid	9.31	87	37165	0.21	ug/ml#	16
16) Cyclohexanecarboxylic ...	0.00	55	0	N.D.		
17) Octanoic acid	0.00	74	0	N.D.		
18) Benzoic acid	10.41	105	35692	0.21	ug/ml#	1
20) Nonanoic acid	0.00	74	0	N.D.		
21) Decanoic Acid	0.00	74	0	N.D.	d	

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (Qedit)

Data Path : J:\MS14\DATA\ACIDS\2013_04\26\
 Data File : 04261330.D
 Acq On : 26 Apr 2013 8:23 pm
 Operator : EI
 Sample : P1301655-003 Front 1.0ml
 Misc :
 ALS Vial : 29 Sample Multiplier: 1

Quant Time: Apr 27 09:00:40 2013
 Quant Method : J:\MS14\METHODS\CA100912E.M
 Quant Title : Short Chain Carboxylic Acids in Air
 QLast Update : Fri Apr 05 11:12:06 2013
 Response via : Initial Calibration



(6) 2-Methylbutanoic acid

6.592min (+0.003) 46.38ug/ml

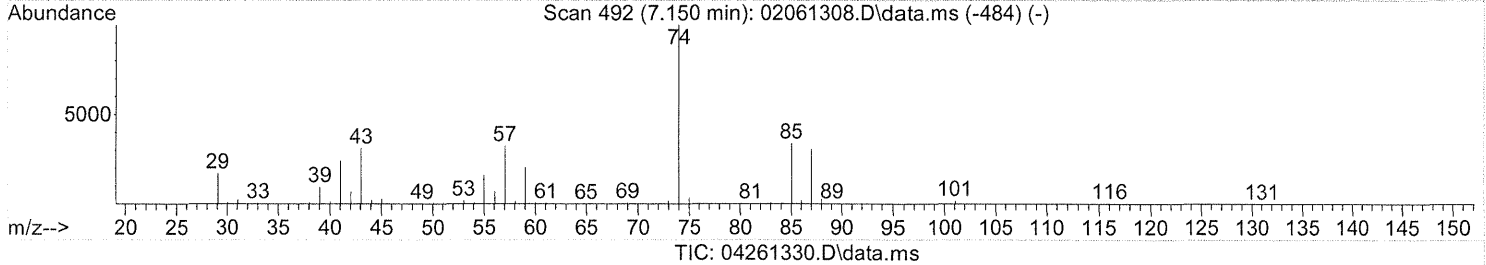
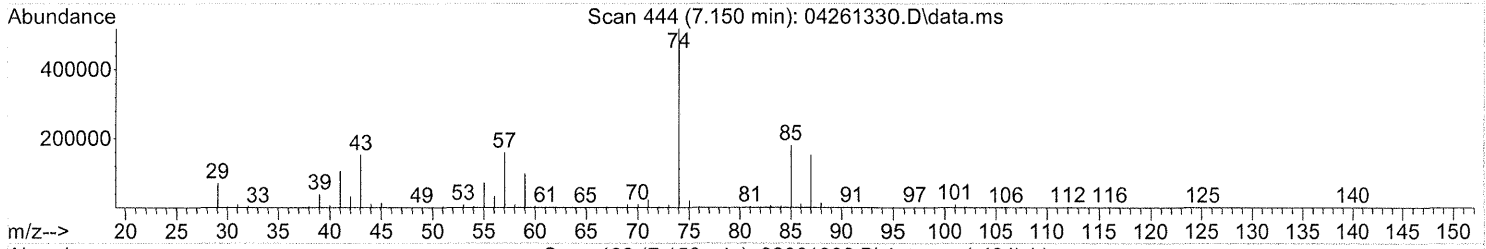
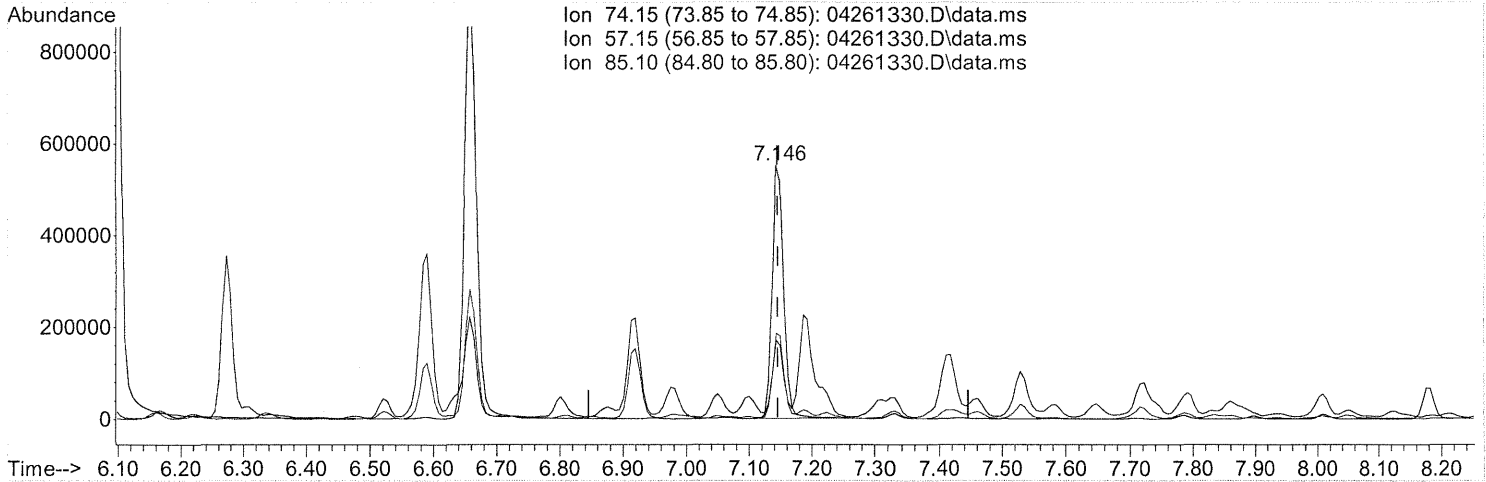
response 5414836

Ion	Exp%	Act%
88.00	100	100
57.00	90.80	94.11
101.00	21.80	21.44
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : J:\MS14\DATA\ACIDS\2013_04\26\
 Data File : 04261330.D
 Acq On : 26 Apr 2013 8:23 pm
 Operator : EI
 Sample : P1301655-003 Front 1.0ml
 Misc :
 ALS Vial : 29 Sample Multiplier: 1

Quant Time: Apr 27 09:00:40 2013
 Quant Method : J:\MS14\METHODS\CA100912E.M
 Quant Title : Short Chain Carboxylic Acids in Air
 QLast Update : Fri Apr 05 11:12:06 2013
 Response via : Initial Calibration



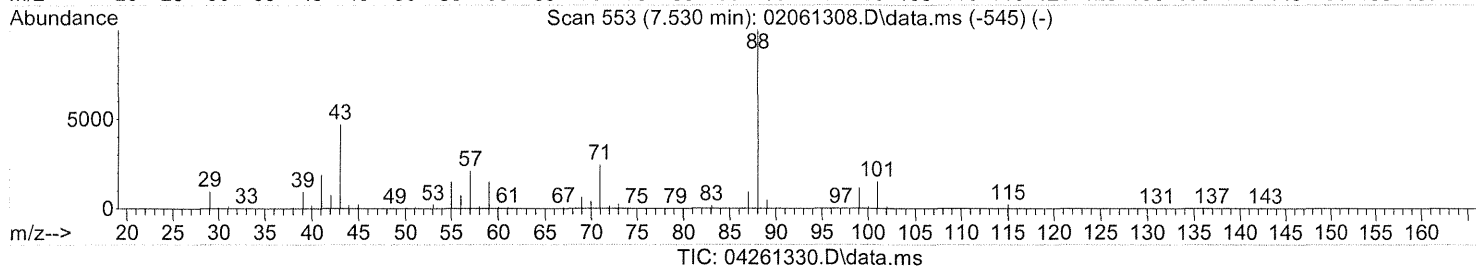
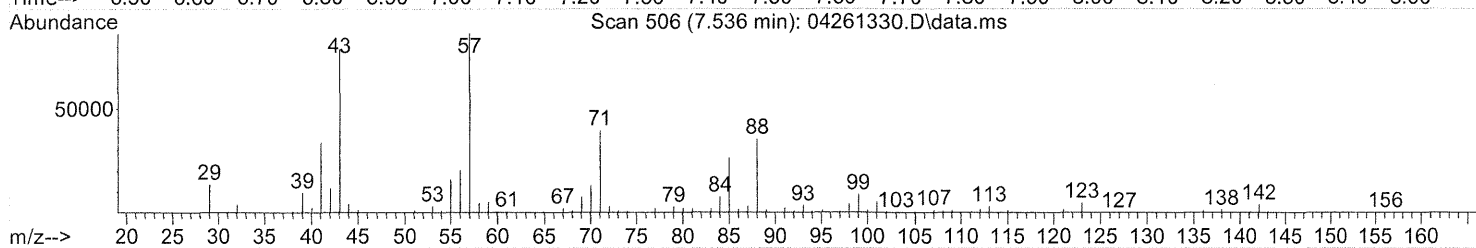
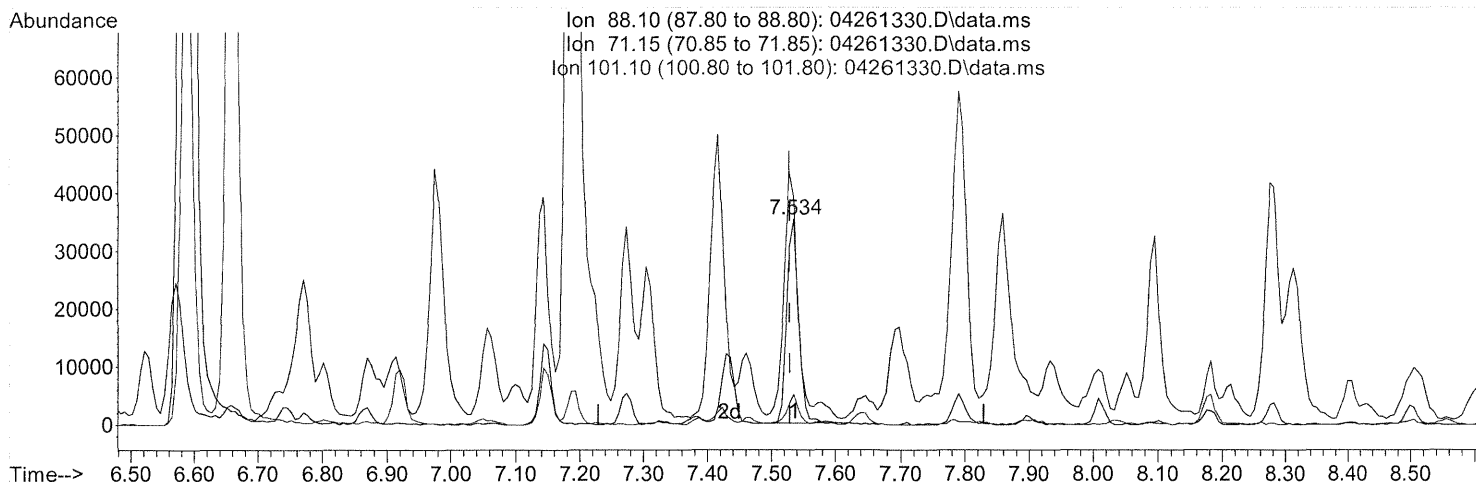
(8) Pentanoic acid (T)
 7.149min (+0.003) 46.46ug/ml
 response 6967134

Ion	Exp%	Act%
74.15	100	100
57.15	32.30	30.57
85.10	33.80	30.93
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : J:\MS14\DATA\ACIDS\2013_04\26\
 Data File : 04261330.D
 Acq On : 26 Apr 2013 8:23 pm
 Operator : EI
 Sample : P1301655-003 Front 1.0ml
 Misc :
 ALS Vial : 29 Sample Multiplier: 1

Quant Time: Apr 27 09:00:40 2013
 Quant Method : J:\MS14\METHODS\CA100912E.M
 Quant Title : Short Chain Carboxylic Acids in Air
 QLast Update : Fri Apr 05 11:12:06 2013
 Response via : Initial Calibration



(9) 2-Methylpentanoic acid (T)

7.537min (+0.007) 2.24ug/ml

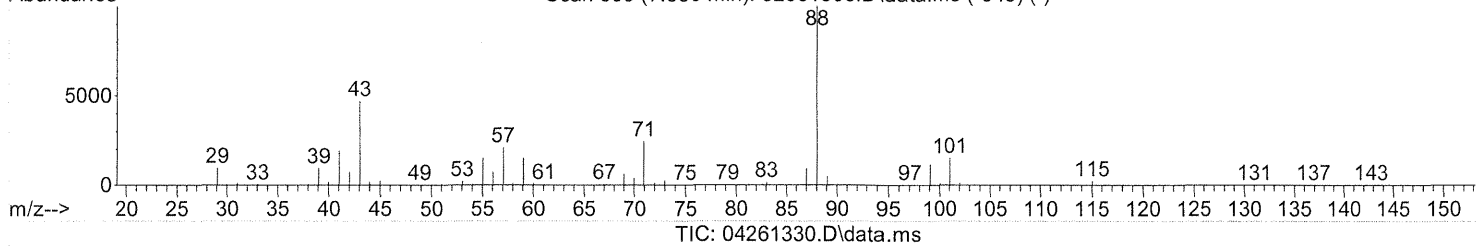
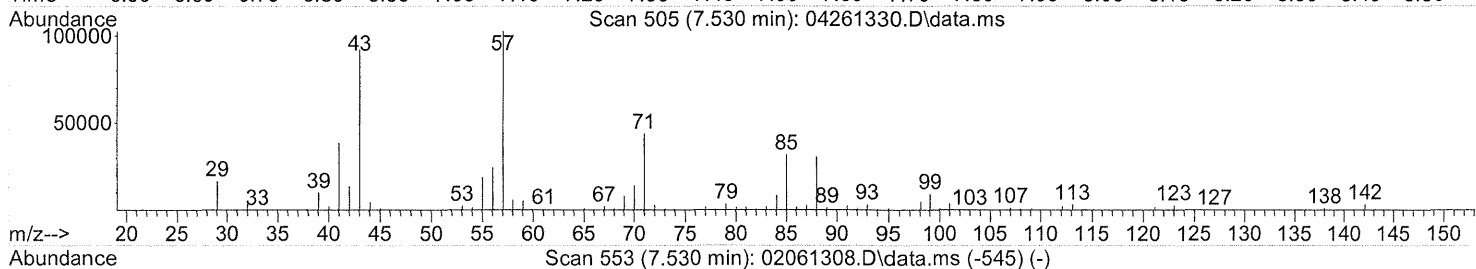
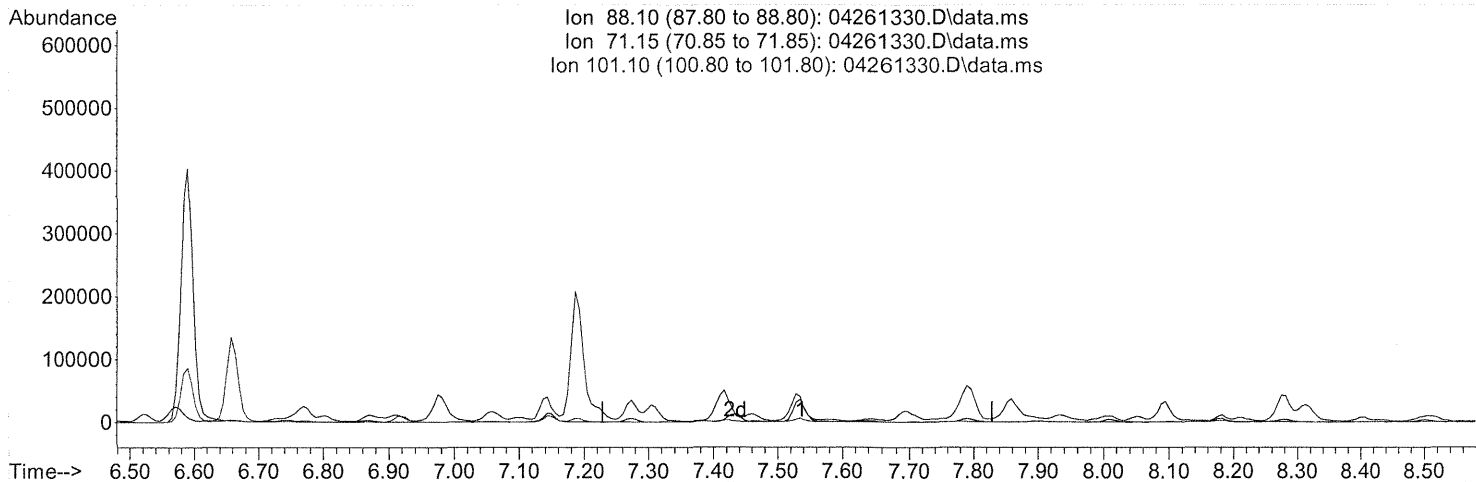
response 456213

Ion	Exp%	Act%
88.10	100	100
71.15	24.30	128.35#
101.10	15.10	13.14
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : J:\MS14\DATA\ACIDS\2013_04\26\
 Data File : 04261330.D
 Acq On : 26 Apr 2013 8:23 pm
 Operator : EI
 Sample : P1301655-003 Front 1.0ml
 Misc :
 ALS Vial : 29 Sample Multiplier: 1

Quant Time: Apr 27 09:00:40 2013
 Quant Method : J:\MS14\METHODS\CA100912E.M
 Quant Title : Short Chain Carboxylic Acids in Air
 QLast Update : Fri Apr 05 11:12:06 2013
 Response via : Initial Calibration



(9) 2-Methylpentanoic acid (T)

7.530min 0.00ug/ml d

response 0

Ion	Exp%	Act%
88.10	100	0.00
71.15	24.30	0.00
101.10	15.10	0.00
0.00	0.00	0.00

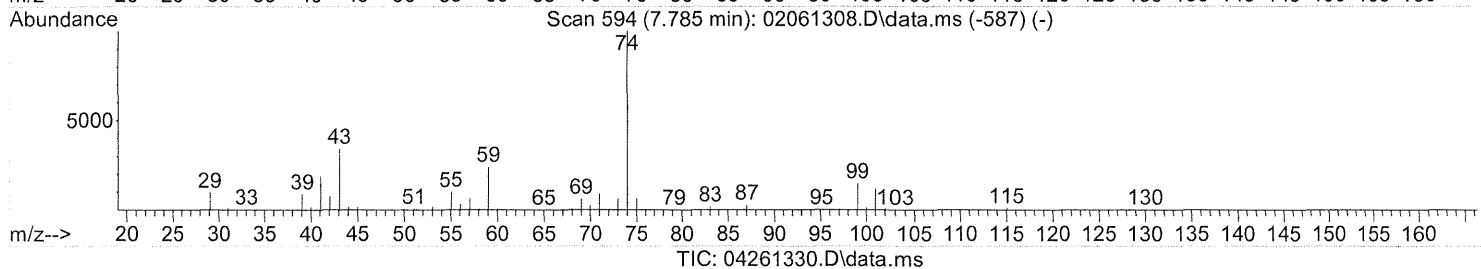
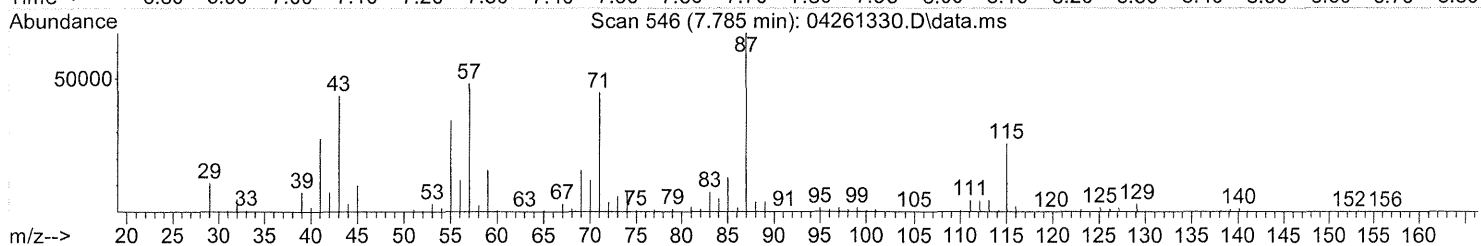
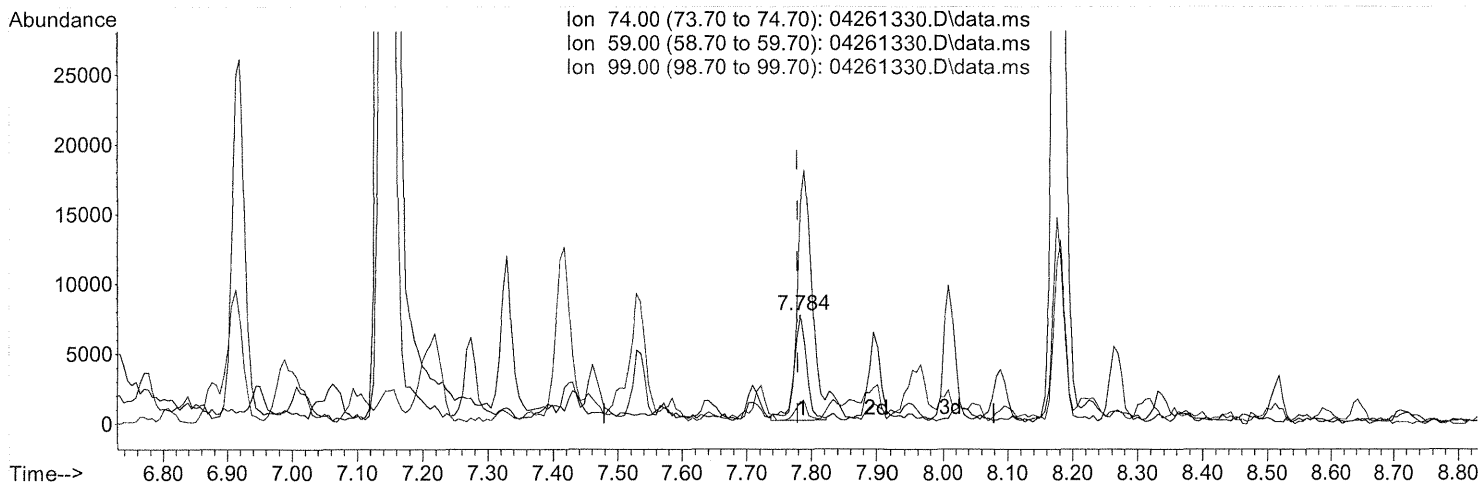
FR 4/30/13
 EC

②
 5/1/13

Quantitation Report (Qedit)

Data Path : J:\MS14\DATA\ACIDS\2013_04\26\
 Data File : 04261330.D
 Acq On : 26 Apr 2013 8:23 pm
 Operator : EI
 Sample : P1301655-003 Front 1.0ml
 Misc :
 ALS Vial : 29 Sample Multiplier: 1

Quant Time: Apr 27 09:00:40 2013
 Quant Method : J:\MS14\METHODS\CA100912E.M
 Quant Title : Short Chain Carboxylic Acids in Air
 QLast Update : Fri Apr 05 11:12:06 2013
 Response via : Initial Calibration



(10) 3-Methylpentanoic acid (T)

7.787min (+0.007) 0.45ug/ml

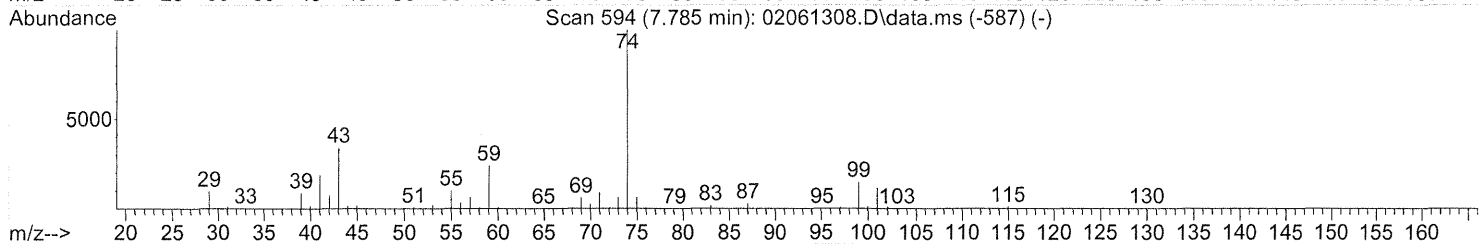
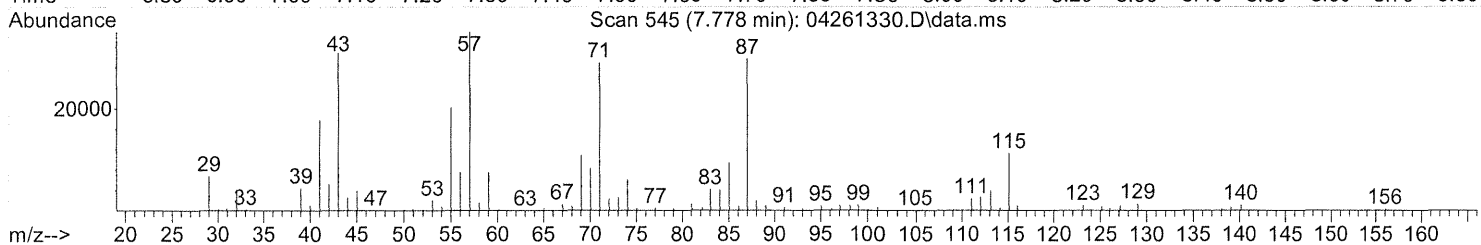
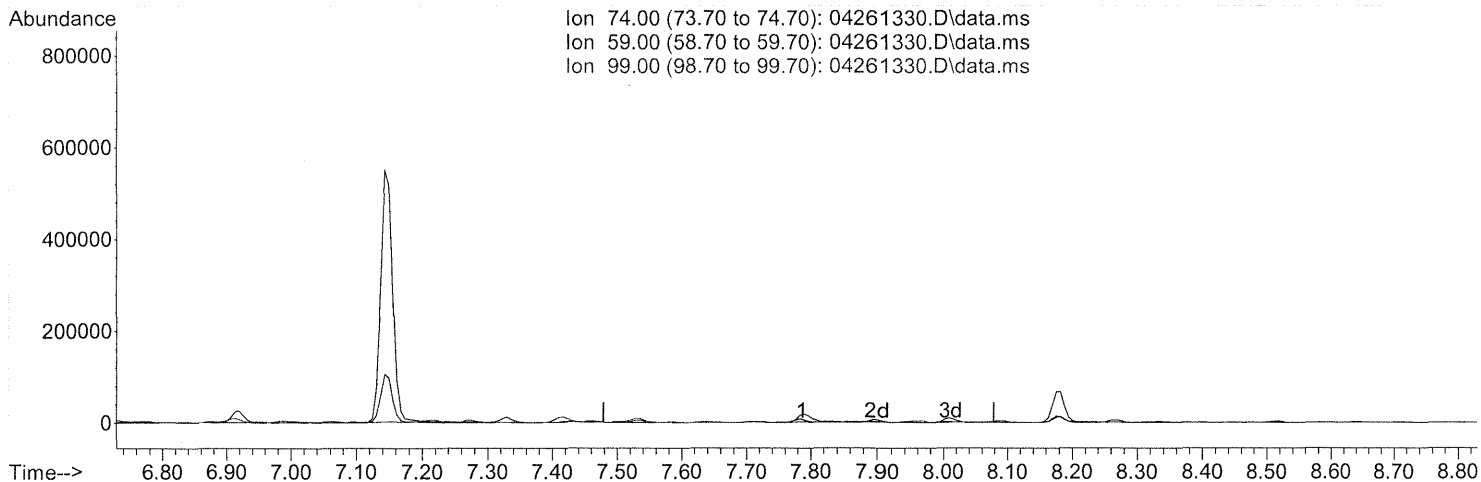
response 104686

Ion	Exp%	Act%
74.00	100	100
59.00	24.00	222.78#
99.00	14.70	0.00
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : J:\MS14\DATA\ACIDS\2013_04\26\
 Data File : 04261330.D
 Acq On : 26 Apr 2013 8:23 pm
 Operator : EI
 Sample : P1301655-003 Front 1.0ml
 Misc :
 ALS Vial : 29 Sample Multiplier: 1

Quant Time: Apr 27 09:00:40 2013
 Quant Method : J:\MS14\METHODS\CA100912E.M
 Quant Title : Short Chain Carboxylic Acids in Air
 QLast Update : Fri Apr 05 11:12:06 2013
 Response via : Initial Calibration



(10) 3-Methylpentanoic acid (T)

7.780min 0.00ug/ml d

response 0

Ion	Exp%	Act%
74.00	100	0.00
59.00	24.00	0.00
99.00	14.70	0.00
0.00	0.00	0.00

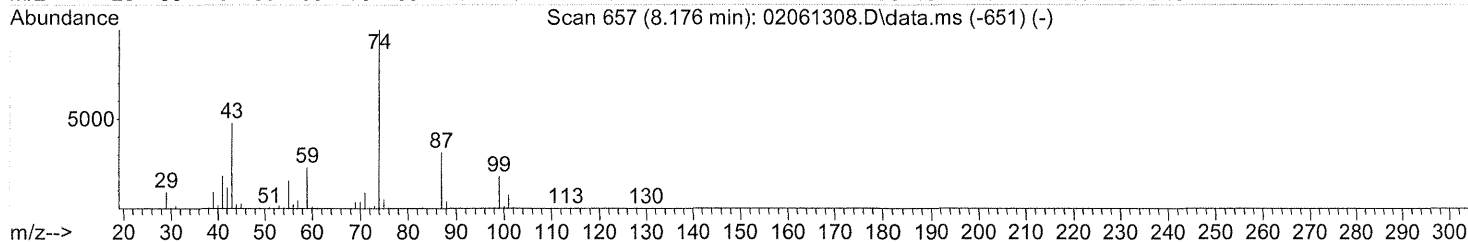
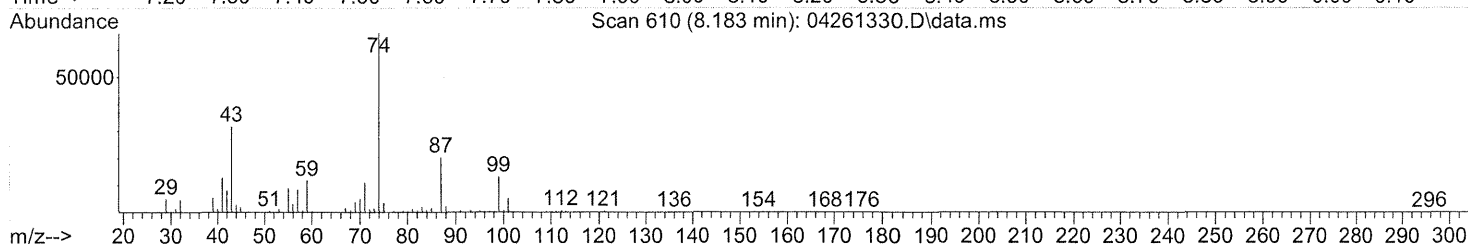
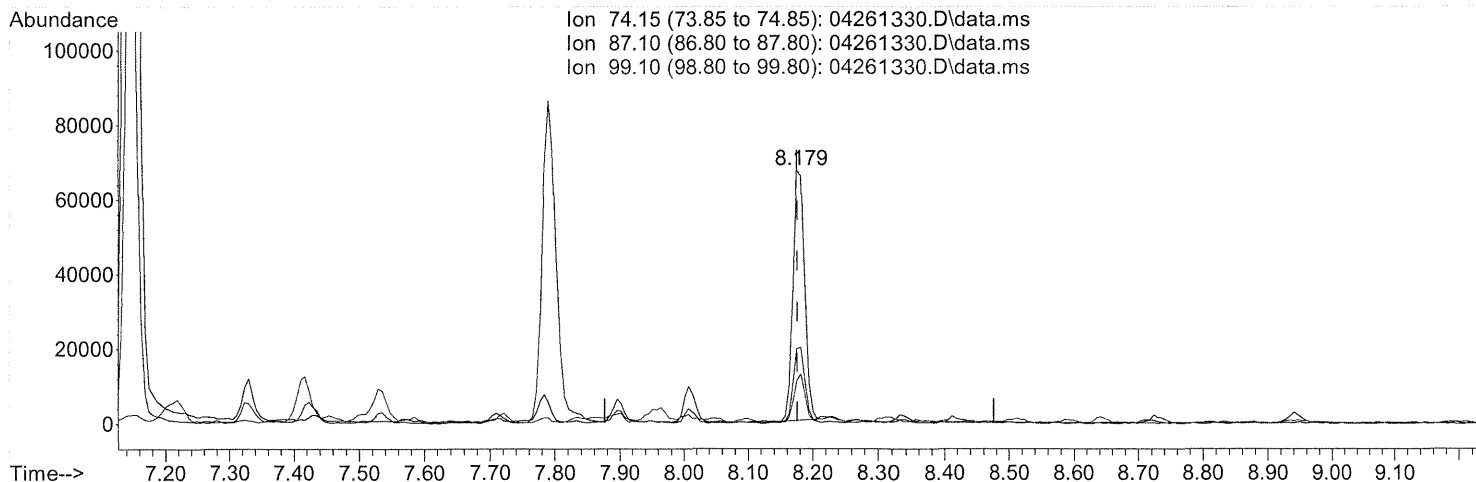
FR 4/30/13
 ET

②
 5/1/13

Quantitation Report (Qedit)

Data Path : J:\MS14\DATA\ACIDS\2013_04\26\
 Data File : 04261330.D
 Acq On : 26 Apr 2013 8:23 pm
 Operator : EI
 Sample : P1301655-003 Front 1.0ml
 Misc :
 ALS Vial : 29 Sample Multiplier: 1

Quant Time: Apr 30 11:49:00 2013
 Quant Method : J:\MS14\METHODS\CA100912E.M
 Quant Title : Short Chain Carboxylic Acids in Air
 QLast Update : Fri Apr 05 11:12:06 2013
 Response via : Initial Calibration



TIC: 04261330.D\data.ms

(12) Hexanoic acid (T)

8.182min (+0.005) 4.13ug/ml

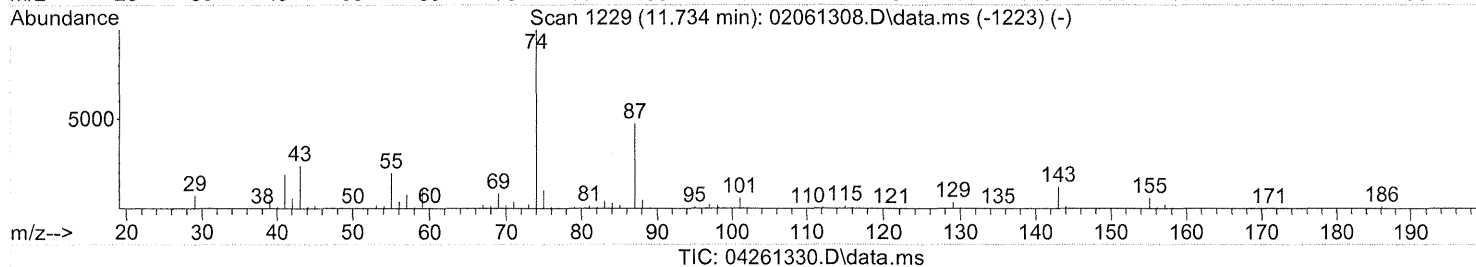
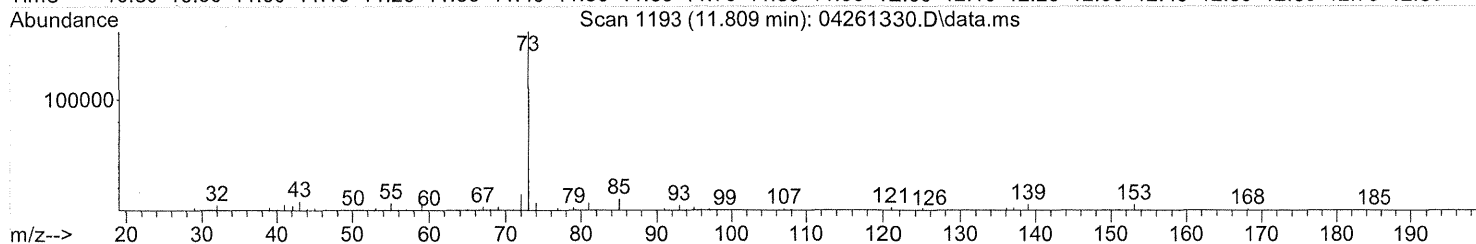
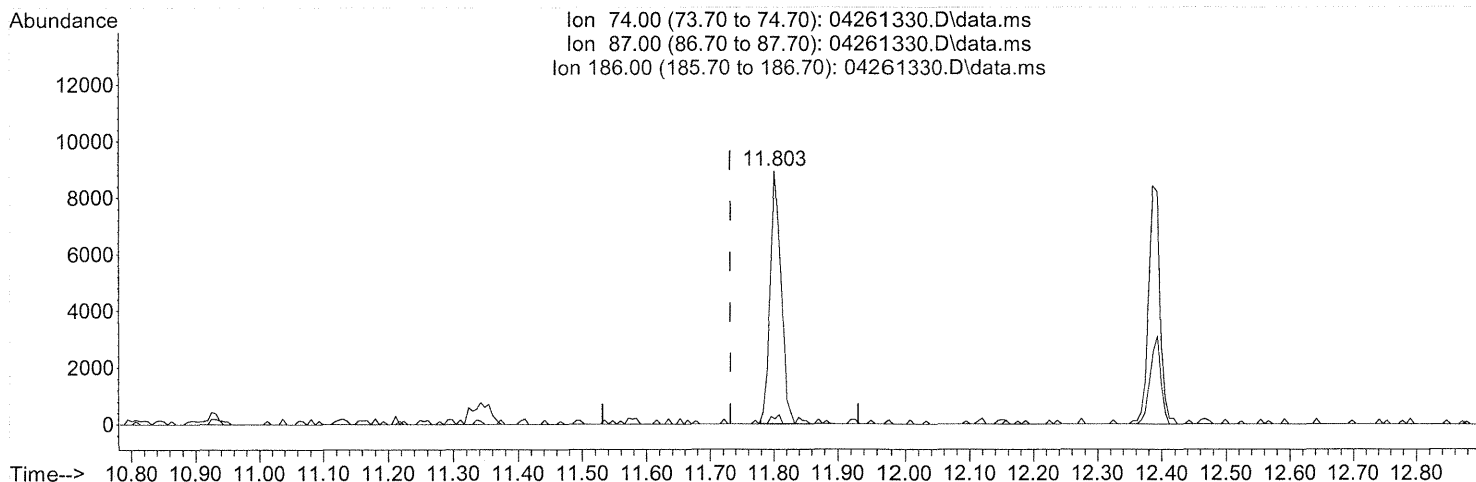
response 839919

Ion	Exp%	Act%
74.15	100	100
87.10	31.40	30.34
99.10	17.80	16.20
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : J:\MS14\DATA\ACIDS\2013_04\26\
 Data File : 04261330.D
 Acq On : 26 Apr 2013 8:23 pm
 Operator : EI
 Sample : P1301655-003 Front 1.0ml
 Misc :
 ALS Vial : 29 Sample Multiplier: 1

Quant Time: Apr 30 11:49:00 2013
 Quant Method : J:\MS14\METHODS\CA100912E.M
 Quant Title : Short Chain Carboxylic Acids in Air
 QLast Update : Fri Apr 05 11:12:06 2013
 Response via : Initial Calibration



(21) Decanoic Acid (T)

11.806min (+0.074) 0.47ug/ml

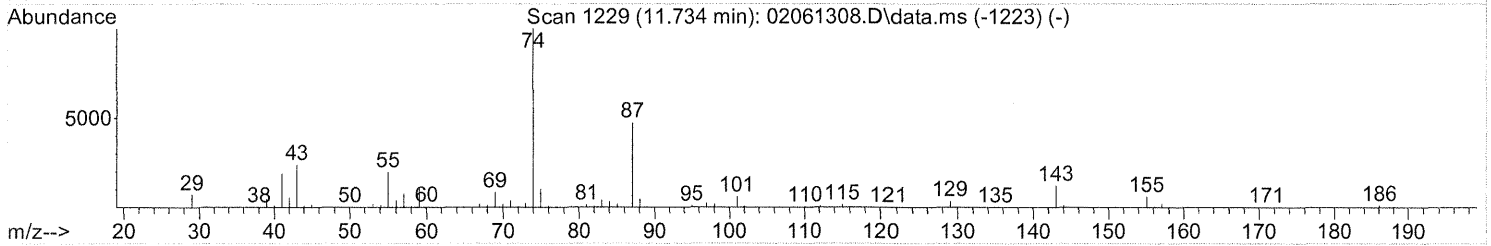
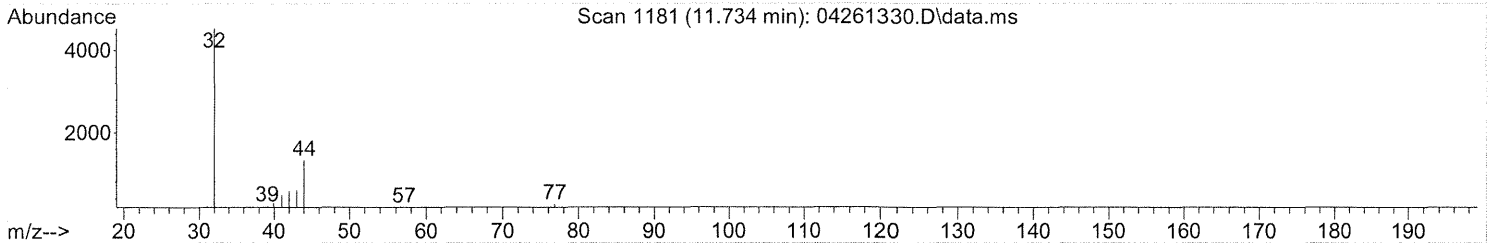
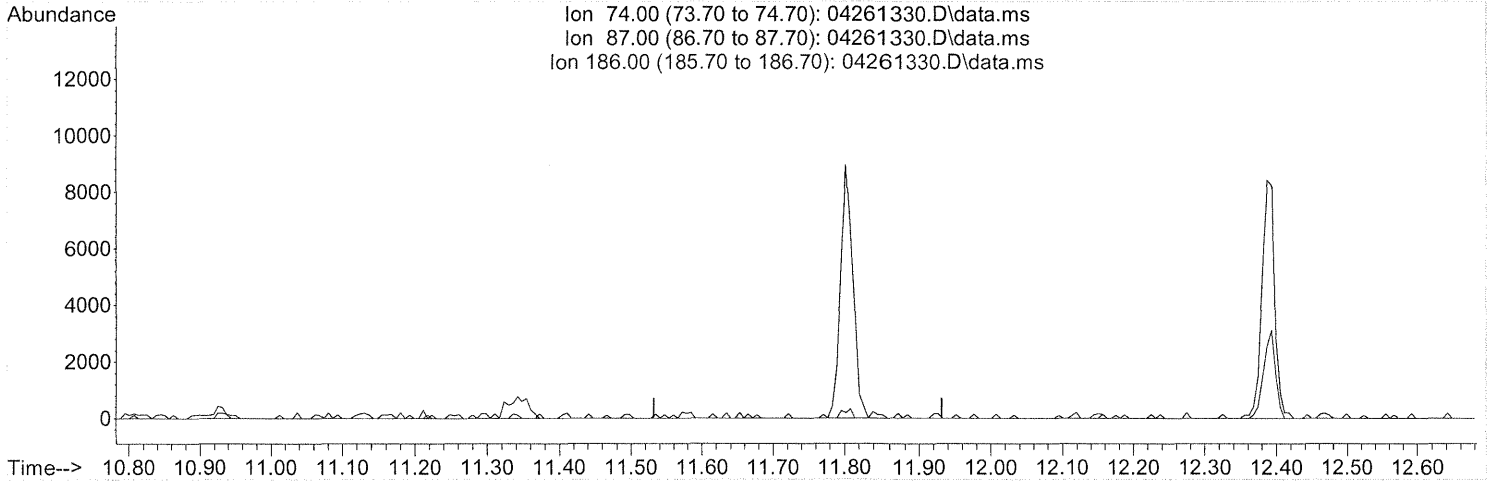
response 108887

Ion	Exp%	Act%
74.00	100	100
87.00	47.40	0.00#
186.00	1.00	0.00
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : J:\MS14\DATA\ACIDS\2013_04\26\
Data File : 04261330.D
Acq On : 26 Apr 2013 8:23 pm
Operator : EI
Sample : P1301655-003 Front 1.0ml
Misc :
ALS Vial : 29 Sample Multiplier: 1

Quant Time: Apr 30 11:49:00 2013
Quant Method : J:\MS14\METHODS\CA100912E.M
Quant Title : Short Chain Carboxylic Acids in Air
QLast Update : Fri Apr 05 11:12:06 2013
Response via : Initial Calibration



TIC: 04261330.D\data.ms

(21) Decanoic Acid (T)
11.732min 0.00ug/ml d
response 0

FP 4/30/13
ET

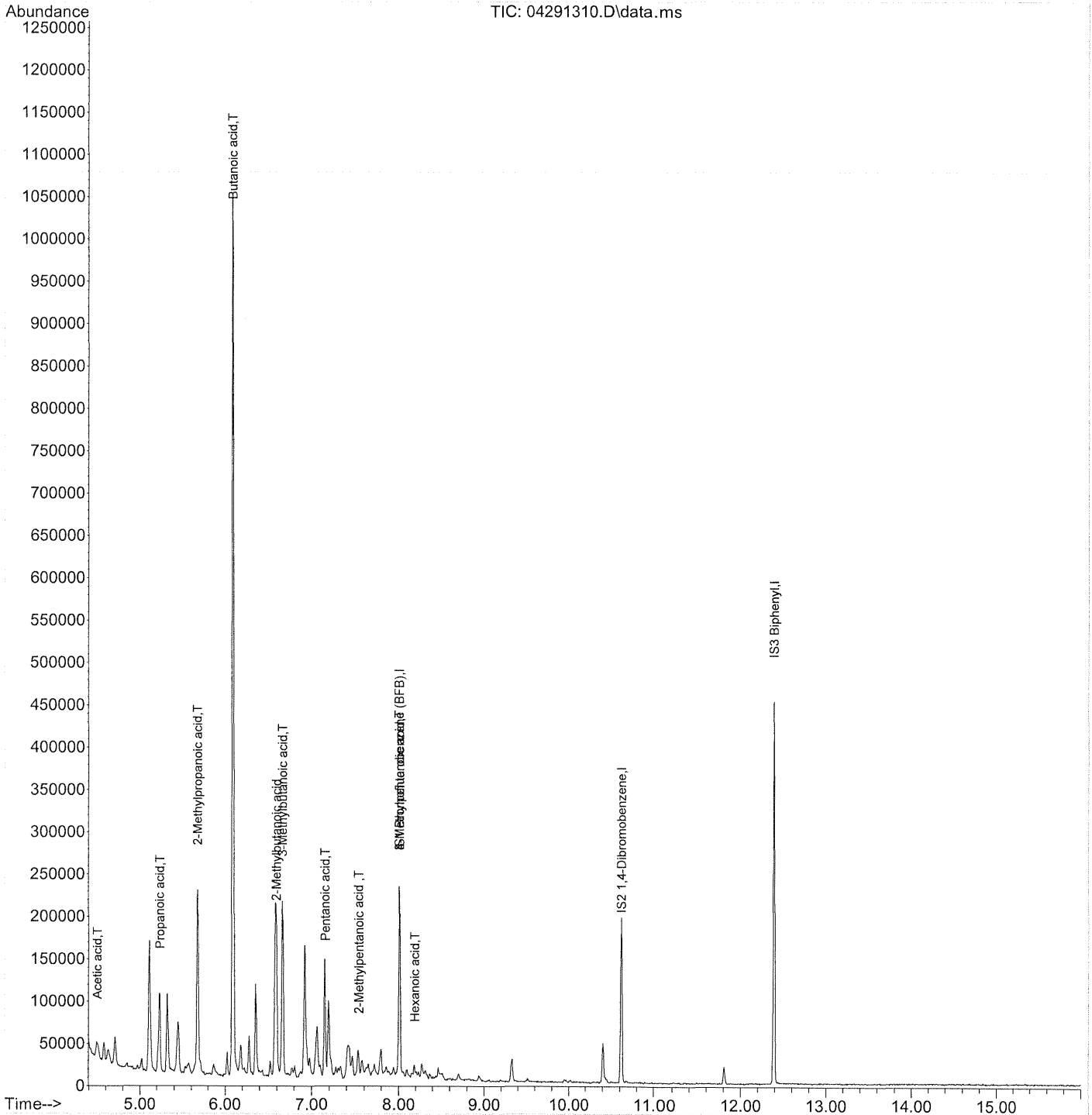
Ⓟ
5/1/13

Ion	Exp%	Act%
74.00	100	0.00
87.00	47.40	0.00
186.00	1.00	0.00
0.00	0.00	0.00

Quantitation Report (QT Reviewed)

Data Path : J:\MS14\DATA\ACIDS\2013_04\29\
 Data File : 04291310.D
 Acq On : 29 Apr 2013 4:06 pm
 Operator : EI
 Sample : P1301655-003 Front 1.0ml 10x
 Misc :
 ALS Vial : 9 Sample Multiplier: 1

Quant Time: Apr 29 16:24:03 2013
 Quant Method : J:\MS14\METHODS\CA100912E.M
 Quant Title : Short Chain Carboxylic Acids in Air
 QLast Update : Fri Apr 05 11:12:06 2013
 Response via : Initial Calibration



Quantitation Report (QT Reviewed)

Data Path : J:\MS14\DATA\ACIDS\2013_04\29\
 Data File : 04291310.D
 Acq On : 29 Apr 2013 4:06 pm
 Operator : EI
 Sample : P1301655-003 Front 1.0ml 10x
 Misc :
 ALS Vial : 9 Sample Multiplier: 1

5/1/13

ET

Quant Time: Apr 29 16:24:03 2013
 Quant Method : J:\MS14\METHODS\CA100912E.M
 Quant Title : Short Chain Carboxylic Acids in Air
 QLast Update : Fri Apr 05 11:12:06 2013
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) IS1 Bromofluorobenzene...	8.01	95	558284	10.00	ug/ml	0.00
13) IS2 1,4-Dibromobenzene	10.63	236	423854	10.00	ug/ml	0.00
19) IS3 Biphenyl	12.40	154	1893506	10.00	ug/ml	0.00

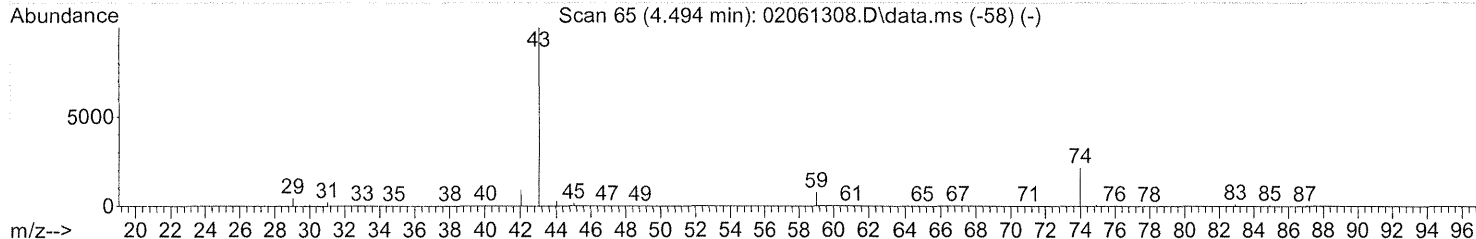
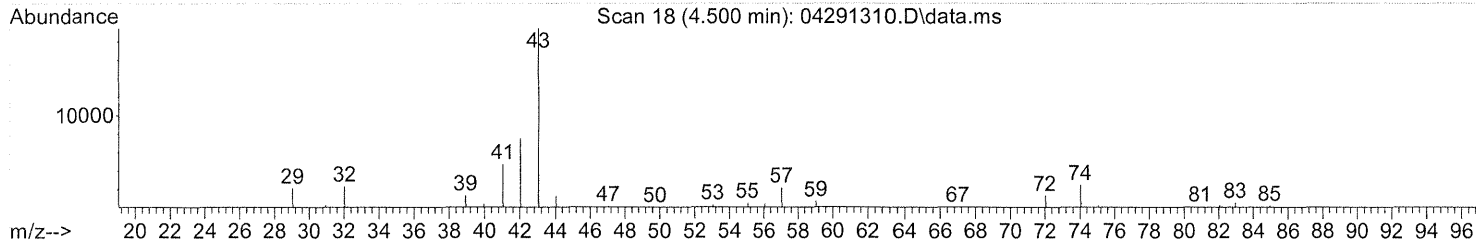
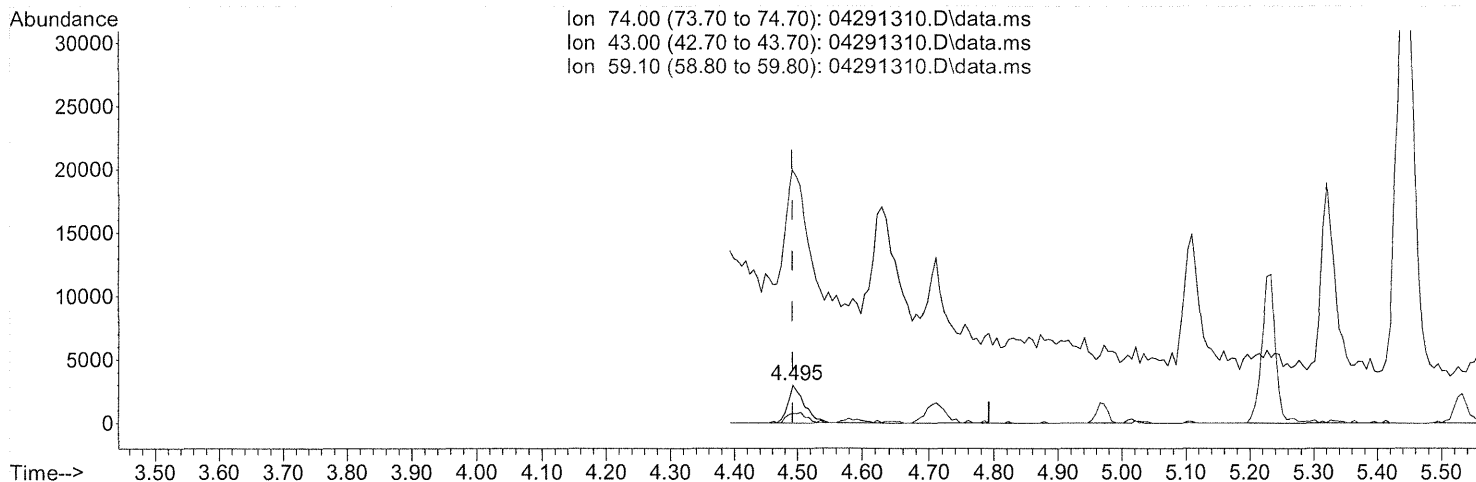
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Acetic acid	4.50	74	52277	10.96	ug/ml#	18
3) Propanoic acid	5.23	57	544737	15.20	ug/ml	96
4) 2-Methylpropanoic acid	5.68	71	465336	16.96	ug/ml	98
5) Butanoic acid	6.09	74	3023694	62.96	ug/ml	98
6) 2-Methylbutanoic acid	6.59	88	364372	5.13	ug/ml	97
7) 3-Methylbutanoic acid	6.67	74	804565	8.74	ug/ml	95
8) Pentanoic acid	7.15	74	455779	5.00	ug/ml	96
9) 2-Methylpentanoic acid	7.54	88	32151	0.26	ug/ml#	56
10) 3-Methylpentanoic acid	8.01	74	75059	0.53	ug/ml#	56
11) 4-Methylpentanoic acid	8.01	74	75611	1.05	ug/ml#	35
12) Hexanoic acid	8.19	74	59786	0.48	ug/ml#	59
14) Heptanoic acid	0.00	74	0	N.D.		
15) 2-Ethylhexanoic acid	0.00	87	0	N.D.		
16) Cyclohexanecarboxylic ...	0.00	55	0	N.D.		
17) Octanoic acid	0.00	74	0	N.D.		
18) Benzoic acid	0.00	105	0	N.D.		
20) Nonanoic acid	0.00	74	0	N.D.		
21) Decanoic Acid	0.00	74	0	N.D.		

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (Qedit)

Data Path : J:\MS14\DATA\ACIDS\2013_04\29\
 Data File : 04291310.D
 Acq On : 29 Apr 2013 4:06 pm
 Operator : EI
 Sample : P1301655-003 Front 1.0ml 10x
 Misc :
 ALS Vial : 9 Sample Multiplier: 1

Quant Time: Apr 29 16:24:03 2013
 Quant Method : J:\MS14\METHODS\CA100912E.M
 Quant Title : Short Chain Carboxylic Acids in Air
 QLast Update : Fri Apr 05 11:12:06 2013
 Response via : Initial Calibration



(2) Acetic acid (T)

4.498min (+0.005) 10.96ug/ml

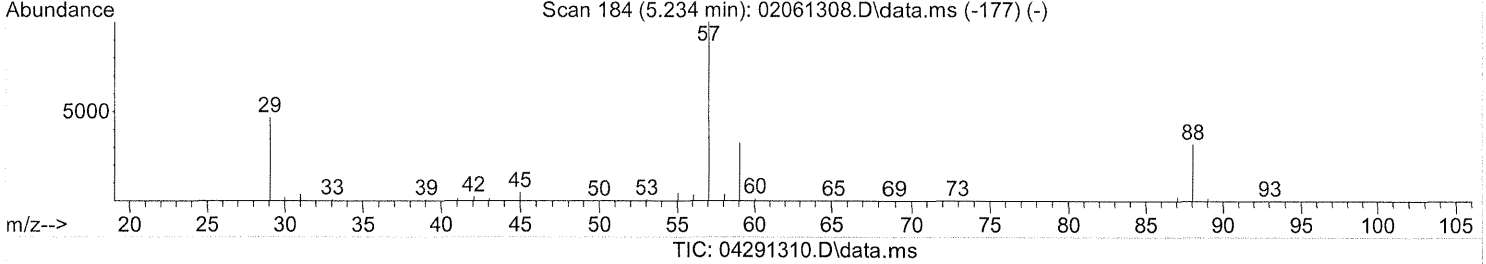
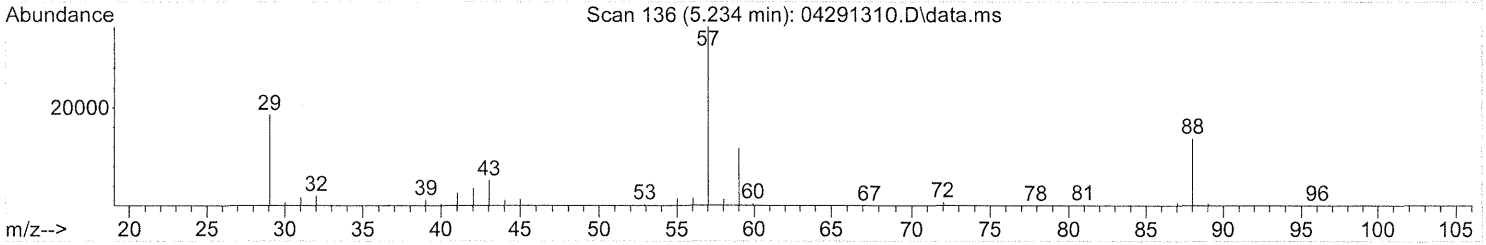
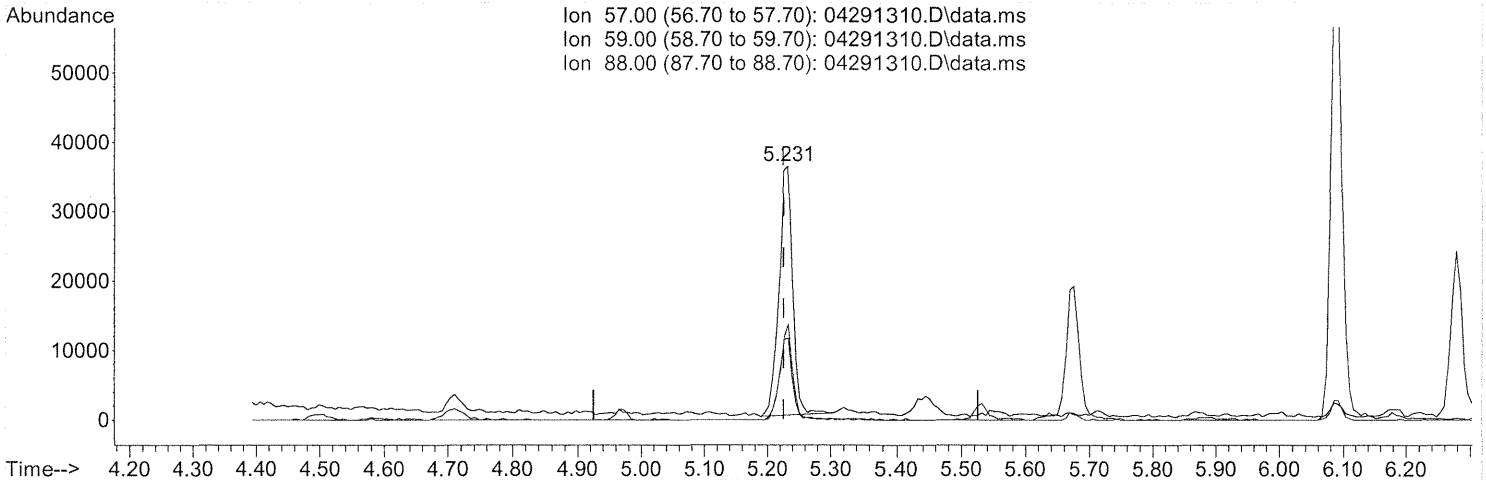
response 52277

Ion	Exp%	Act%
74.00	100	100
43.00	609.70	347.00#
59.10	31.40	0.00#
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : J:\MS14\DATA\ACIDS\2013_04\29\
 Data File : 04291310.D
 Acq On : 29 Apr 2013 4:06 pm
 Operator : EI
 Sample : P1301655-003 Front 1.0ml 10x
 Misc :
 ALS Vial : 9 Sample Multiplier: 1

Quant Time: Apr 29 16:24:03 2013
 Quant Method : J:\MS14\METHODS\CA100912E.M
 Quant Title : Short Chain Carboxylic Acids in Air
 QLast Update : Fri Apr 05 11:12:06 2013
 Response via : Initial Calibration



(3) Propanoic acid (T)

5.233min (+0.007) 15.20ug/ml

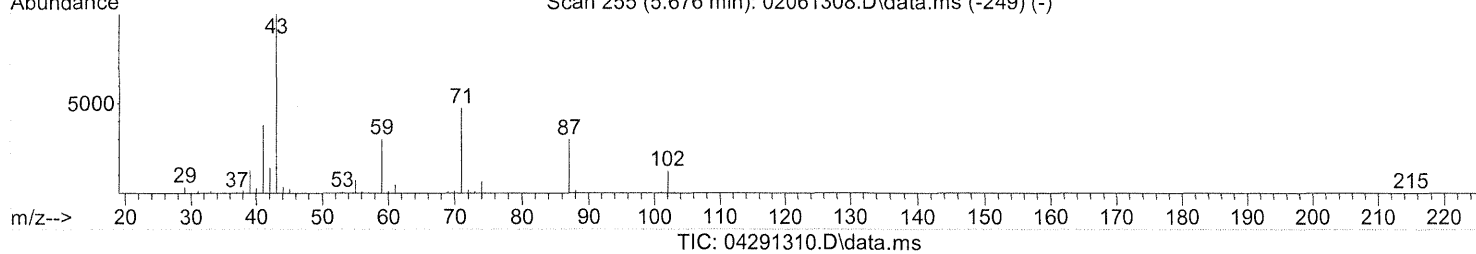
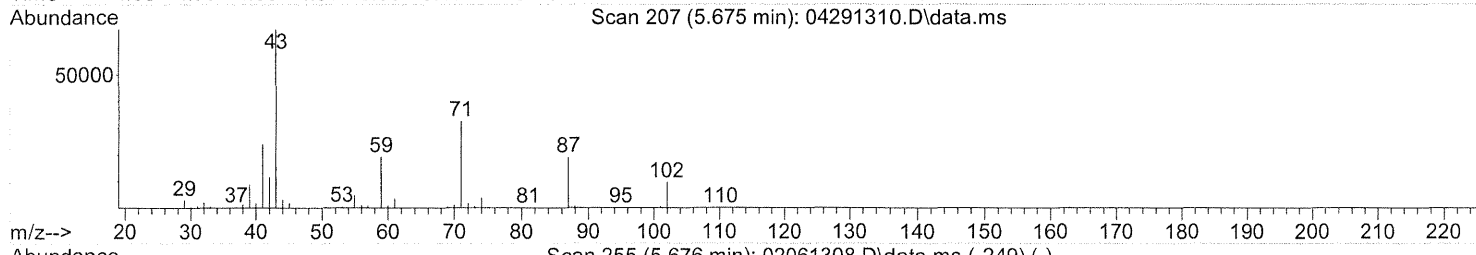
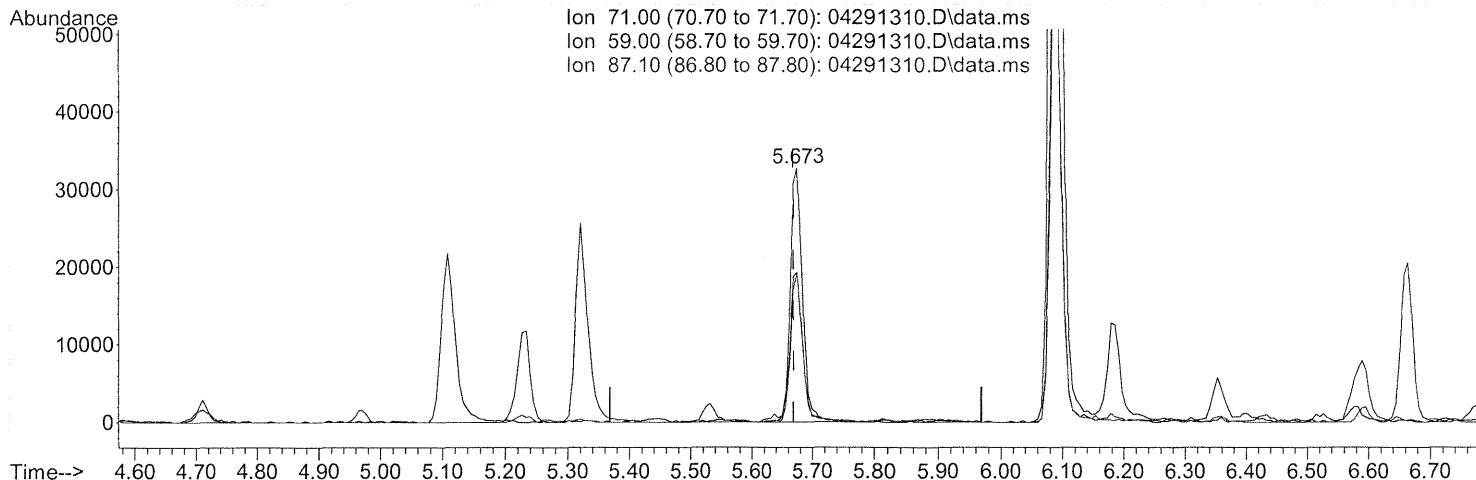
response 544737

Ion	Exp%	Act%
57.00	100	100
59.00	30.60	31.32
88.00	31.60	35.11
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : J:\MS14\DATA\ACIDS\2013_04\29\
 Data File : 04291310.D
 Acq On : 29 Apr 2013 4:06 pm
 Operator : EI
 Sample : P1301655-003 Front 1.0ml 10x
 Misc :
 ALS Vial : 9 Sample Multiplier: 1

Quant Time: Apr 29 16:24:03 2013
 Quant Method : J:\MS14\METHODS\CA100912E.M
 Quant Title : Short Chain Carboxylic Acids in Air
 QLast Update : Fri Apr 05 11:12:06 2013
 Response via : Initial Calibration



(4) 2-Methylpropanoic acid (T)

5.676min (+0.006) 16.96ug/ml

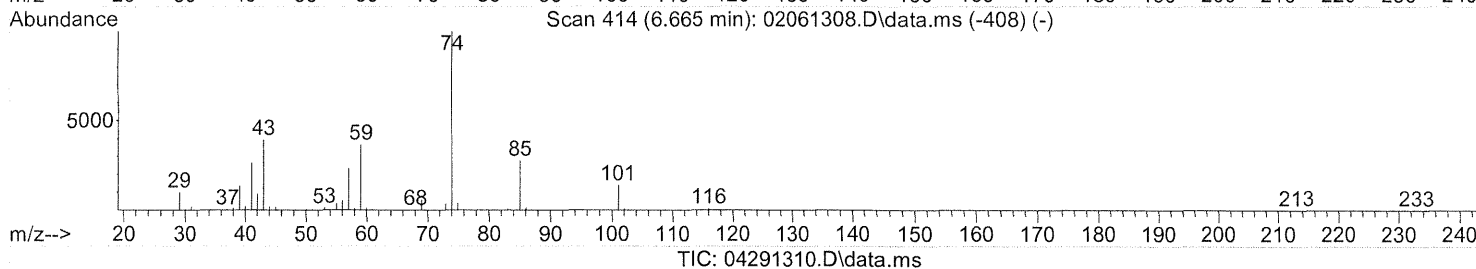
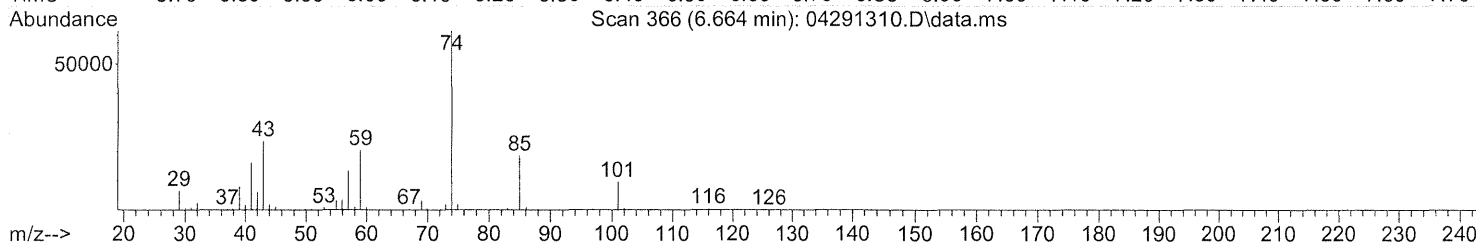
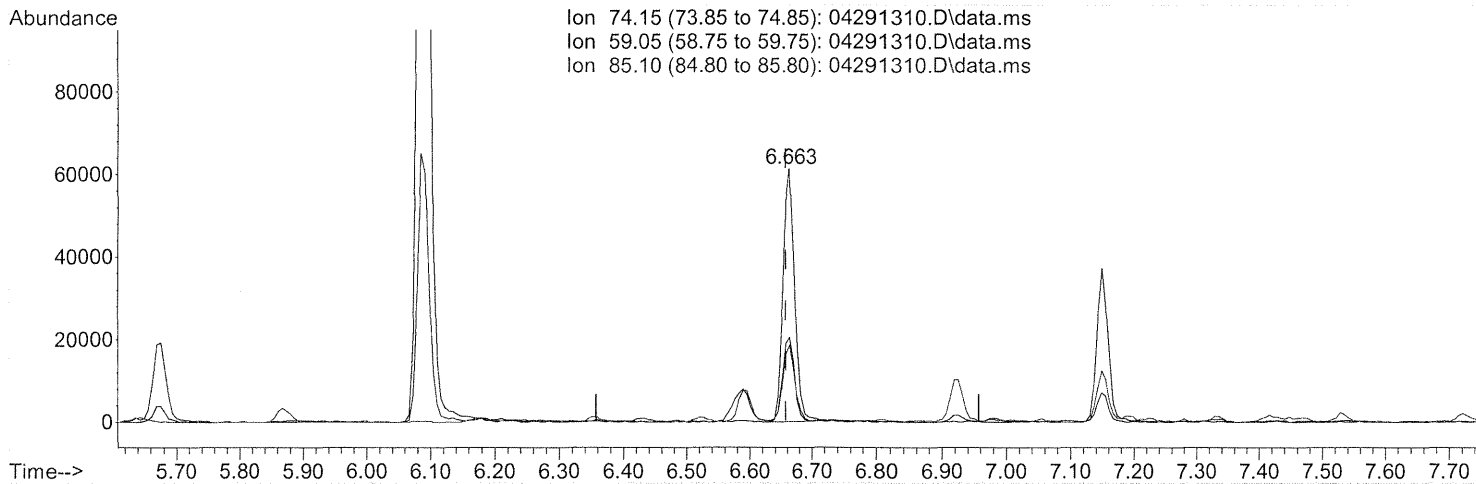
response 465336

Ion	Exp%	Act%
71.00	100	100
59.00	61.50	63.04
87.10	60.50	58.39
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : J:\MS14\DATA\ACIDS\2013_04\29\
 Data File : 04291310.D
 Acq On : 29 Apr 2013 4:06 pm
 Operator : EI
 Sample : P1301655-003 Front 1.0ml 10x
 Misc :
 ALS Vial : 9 Sample Multiplier: 1

Quant Time: Apr 29 16:24:03 2013
 Quant Method : J:\MS14\METHODS\CA100912E.M
 Quant Title : Short Chain Carboxylic Acids in Air
 QLast Update : Fri Apr 05 11:12:06 2013
 Response via : Initial Calibration



(7) 3-Methylbutanoic acid (T)

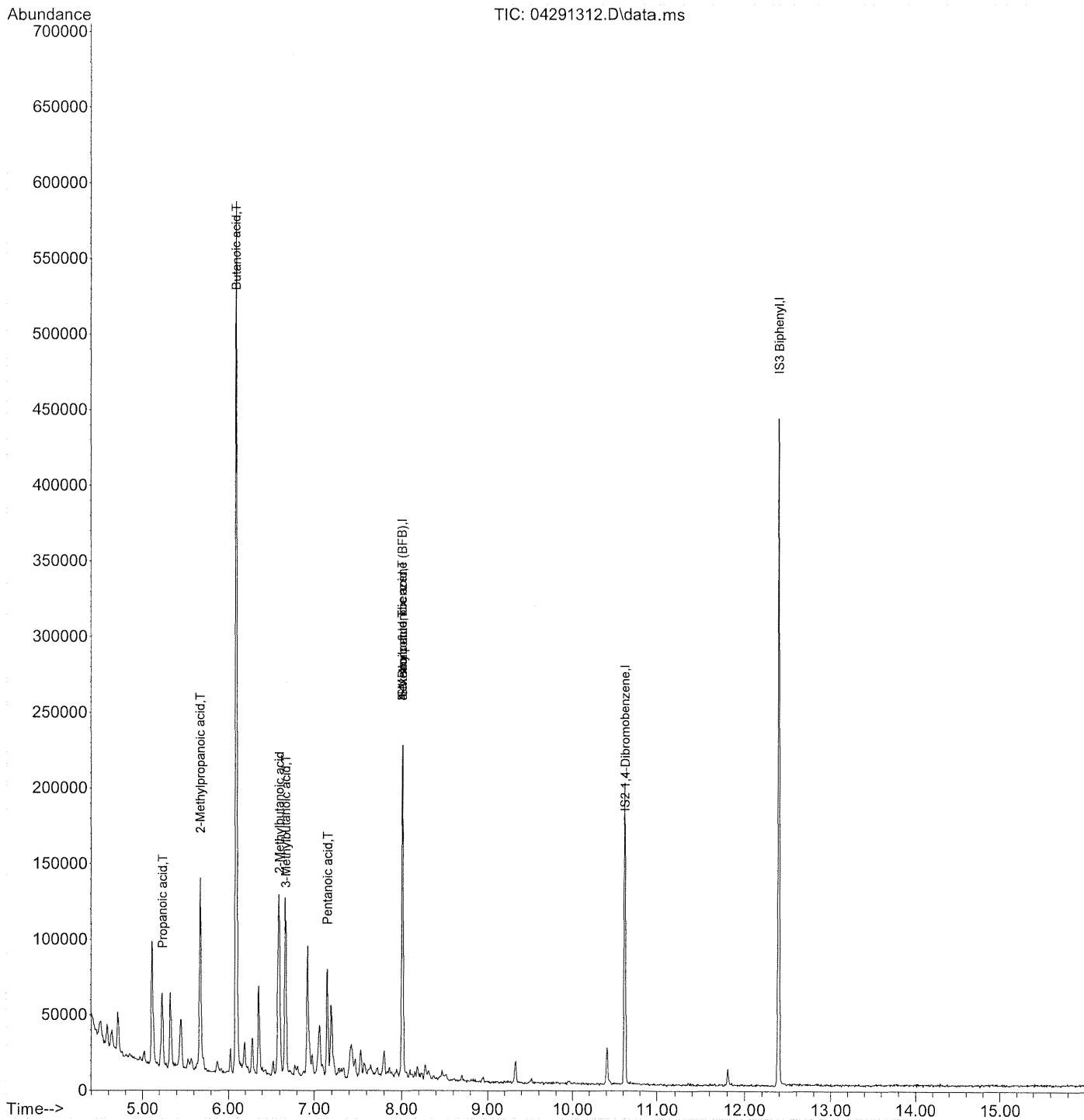
6.666min (+0.007) 8.74ug/ml

response 804565

Ion	Exp%	Act%
74.15	100	100
59.05	36.50	34.44
85.10	27.70	31.13
0.00	0.00	0.00

Data Path : J:\MS14\DATA\ACIDS\2013_04\29\
 Data File : 04291312.D
 Acq On : 29 Apr 2013 4:48 pm
 Operator : EI
 Sample : P1301655-003 Front 1.0ml 20x
 Misc :
 ALS Vial : 11 Sample Multiplier: 1

Quant Time: Apr 29 17:05:15 2013
 Quant Method : J:\MS14\METHODS\CA100912E.M
 Quant Title : Short Chain Carboxylic Acids in Air
 QLast Update : Fri Apr 05 11:12:06 2013
 Response via : Initial Calibration



Data Path : J:\MS14\DATA\ACIDS\2013_04\29\
 Data File : 04291312.D
 Acq On : 29 Apr 2013 4:48 pm
 Operator : EI
 Sample : P1301655-003 Front 1.0ml (20x)
 Misc :
 ALS Vial : 11 Sample Multiplier: 1

5/1/13
 ER

Quant Time: Apr 29 17:05:15 2013
 Quant Method : J:\MS14\METHODS\CA100912E.M
 Quant Title : Short Chain Carboxylic Acids in Air
 QLast Update : Fri Apr 05 11:12:06 2013
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) IS1 Bromofluorobenzene...	8.01	95	536540	10.00	ug/ml	0.00
13) IS2 1,4-Dibromobenzene	10.63	236	412334	10.00	ug/ml	0.00
19) IS3 Biphenyl	12.40	154	1853708	10.00	ug/ml	0.00

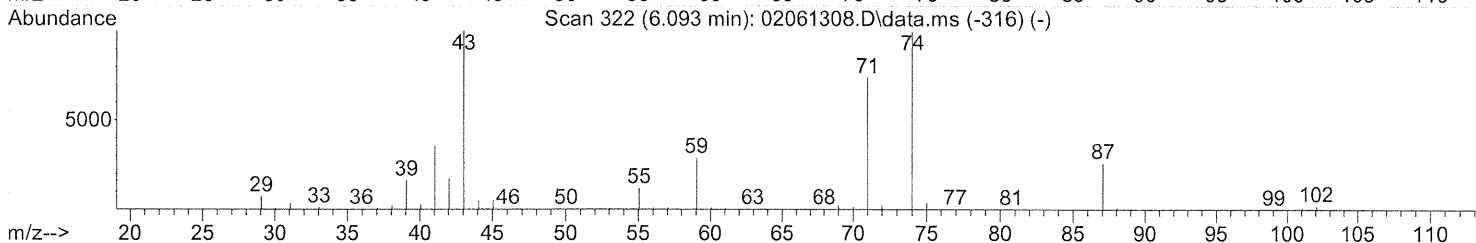
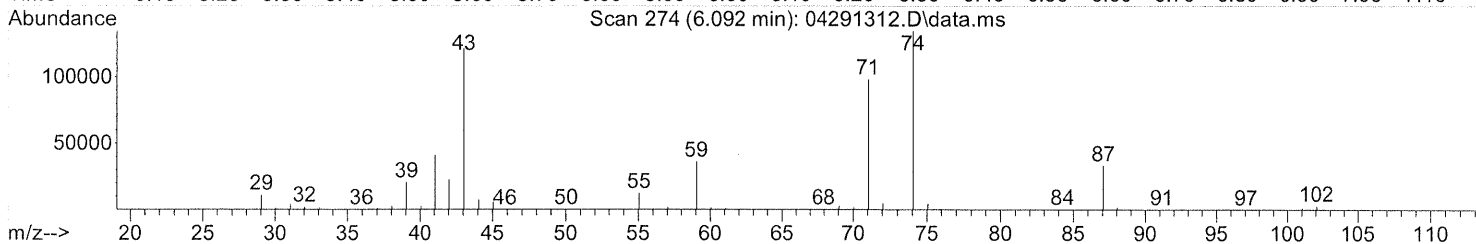
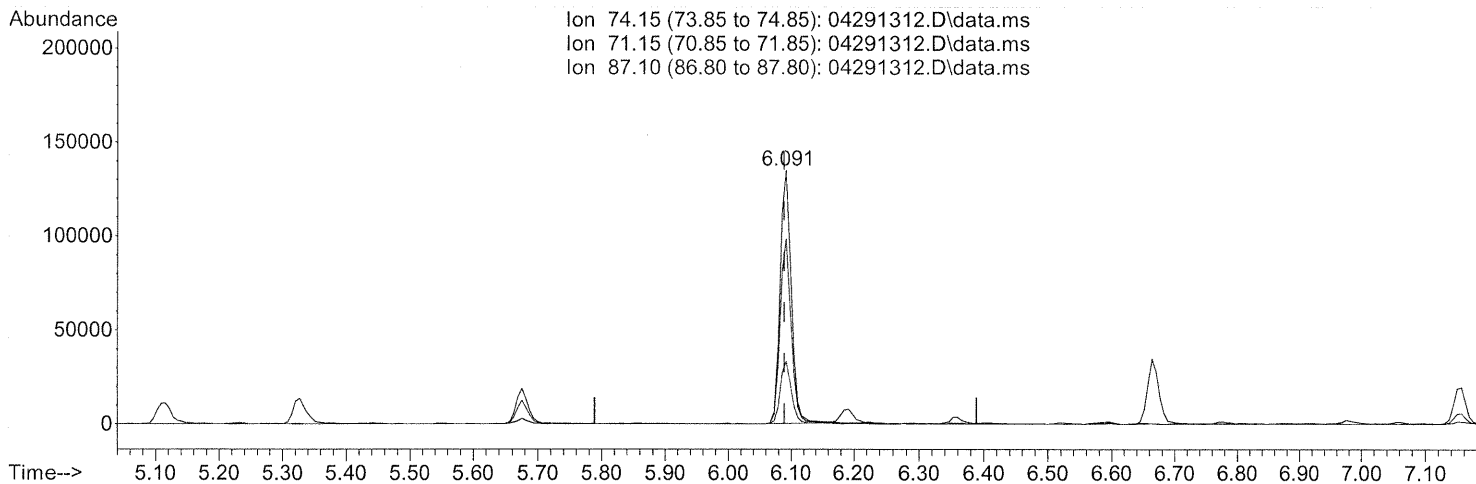
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Acetic acid	0.00	74	0	N.D.		
3) Propanoic acid	5.23	57	291121	8.45	ug/ml	99
4) 2-Methylpropanoic acid	5.68	71	242527	9.20	ug/ml	95
5) Butanoic acid	6.09	74	1659407	35.95	ug/ml	98
6) 2-Methylbutanoic acid	6.60	88	199139	2.92	ug/ml	98
7) 3-Methylbutanoic acid	6.67	74	434931	4.92	ug/ml	95
8) Pentanoic acid	7.16	74	250586	2.86	ug/ml	94
9) 2-Methylpentanoic acid	0.00	88	0	N.D.		
10) 3-Methylpentanoic acid	8.01	74	79976	0.59	ug/ml#	56
11) 4-Methylpentanoic acid	8.01	74	80074	1.15	ug/ml#	81
12) Hexanoic acid	8.01	74	80072	0.67	ug/ml#	81
14) Heptanoic acid	0.00	74	0	N.D.		
15) 2-Ethylhexanoic acid	0.00	87	0	N.D.		
16) Cyclohexanecarboxylic ...	0.00	55	0	N.D.		
17) Octanoic acid	0.00	74	0	N.D.		
18) Benzoic acid	0.00	105	0	N.D.		
20) Nonanoic acid	0.00	74	0	N.D.		
21) Decanoic Acid	0.00	74	0	N.D.		

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (Qedit)

Data Path : J:\MS14\DATA\ACIDS\2013_04\29\
 Data File : 04291312.D
 Acq On : 29 Apr 2013 4:48 pm
 Operator : EI
 Sample : P1301655-003 Front 1.0ml 20x
 Misc :
 ALS Vial : 11 Sample Multiplier: 1

Quant Time: Apr 29 17:05:15 2013
 Quant Method : J:\MS14\METHODS\CA100912E.M
 Quant Title : Short Chain Carboxylic Acids in Air
 QLast Update : Fri Apr 05 11:12:06 2013
 Response via : Initial Calibration



TIC: 04291312.D\data.ms

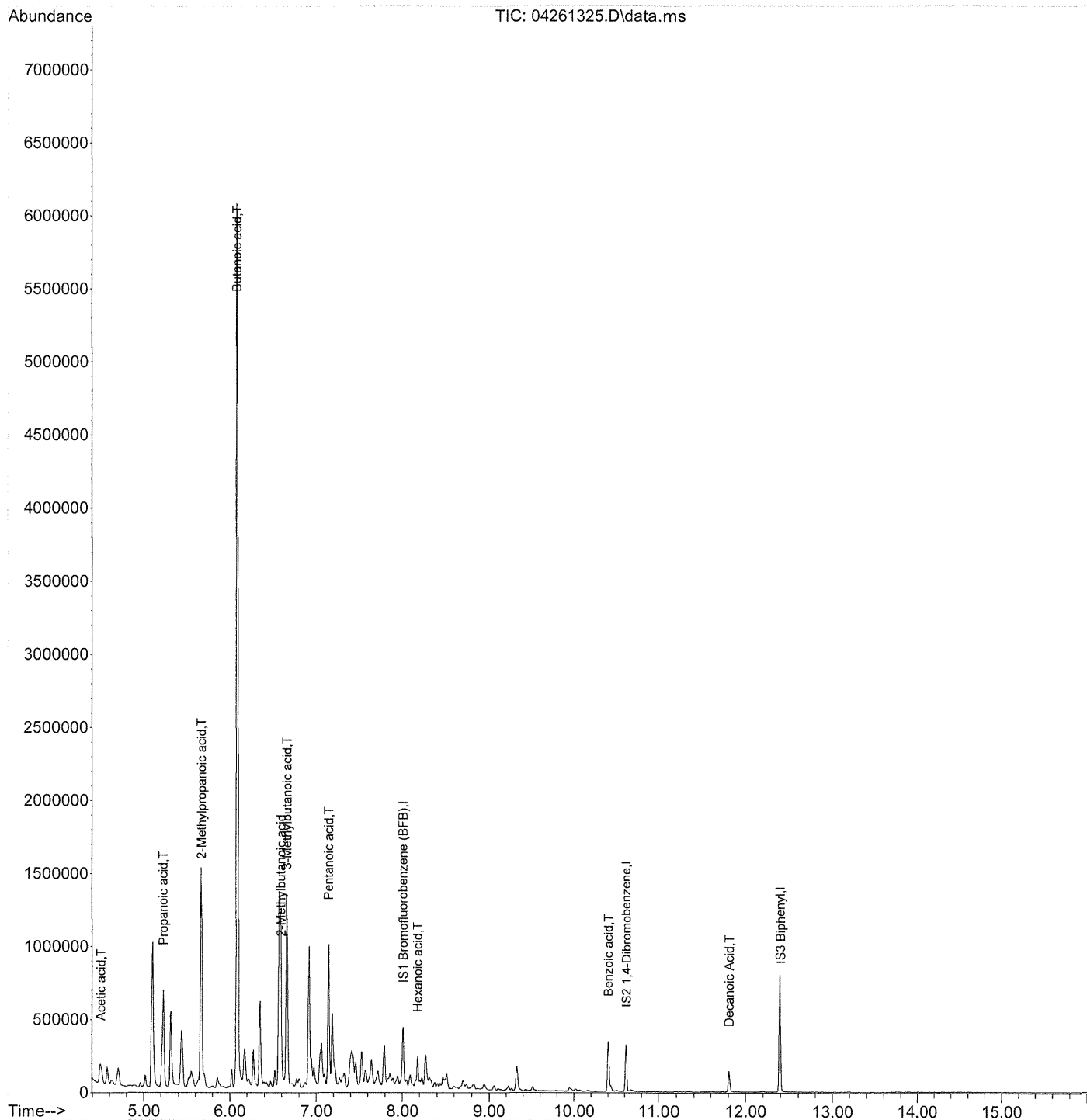
(5) Butanoic acid (T)
 6.094min (+0.004) 35.95ug/ml
 response 1659407

Ion	Exp%	Act%
74.15	100	100
71.15	73.60	71.59
87.10	24.00	23.87
0.00	0.00	0.00

Quantitation Report (QT Reviewed)

Data Path : J:\MS14\DATA\ACIDS\2013_04\26\
Data File : 04261325.D
Acq On : 26 Apr 2013 6:39 pm
Operator : EI
Sample : P1301655-003 Back 1.0ml
Misc :
ALS Vial : 24 Sample Multiplier: 1

Quant Time: Apr 30 11:25:31 2013
Quant Method : J:\MS14\METHODS\CA100912E.M
Quant Title : Short Chain Carboxylic Acids in Air
QLast Update : Fri Apr 05 11:12:06 2013
Response via : Initial Calibration



Data Path : J:\MS14\DATA\ACIDS\2013_04\26\
 Data File : 04261325.D
 Acq On : 26 Apr 2013 6:39 pm
 Operator : EI
 Sample : P1301655-003 Back 1.0ml
 Misc :
 ALS Vial : 24 Sample Multiplier: 1

4/30/13
 ET

Quant Time: Apr 30 11:25:31 2013
 Quant Method : J:\MS14\METHODS\CA100912E.M
 Quant Title : Short Chain Carboxylic Acids in Air
 QLast Update : Fri Apr 05 11:12:06 2013
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) IS1 Bromofluorobenzene...	8.01	95	969608	10.00	ug/ml	0.00
13) IS2 1,4-Dibromobenzene	10.63	236	675639	10.00	ug/ml	0.00
19) IS3 Biphenyl	12.40	154	3154639	10.00	ug/ml	0.00

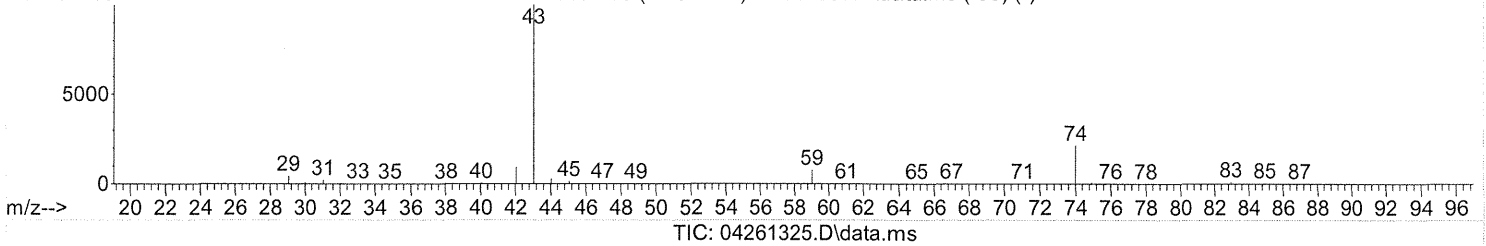
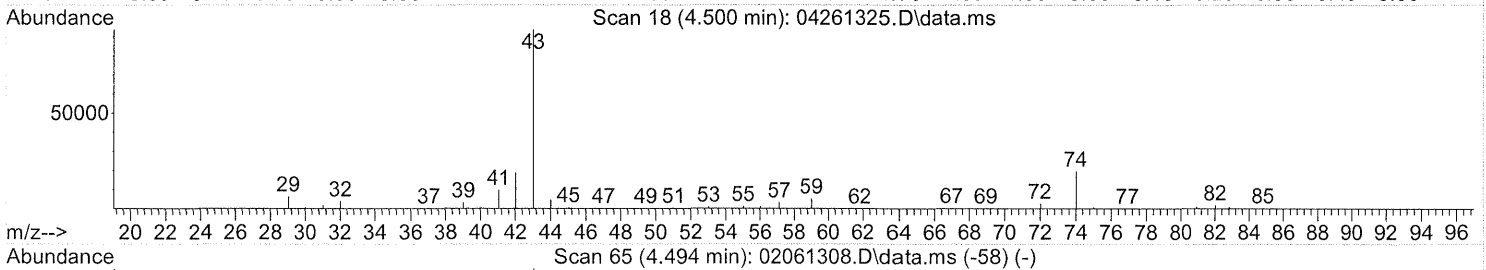
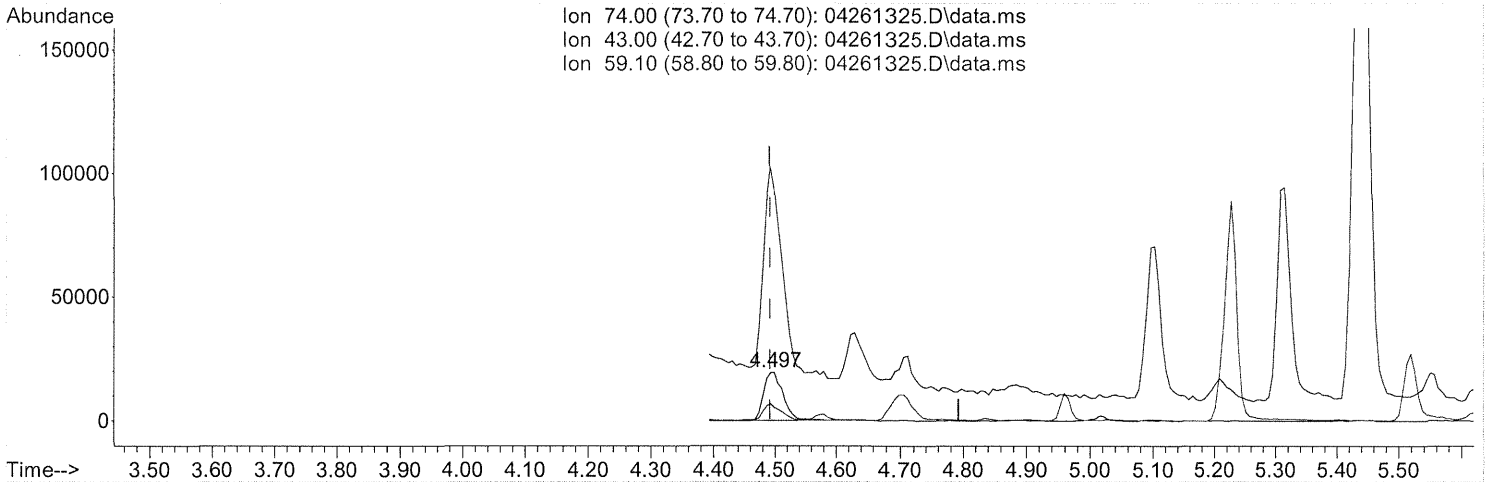
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Acetic acid	4.50	74	429183	51.82	ug/ml#	36
3) Propanoic acid	5.23	57	3836029	61.63	ug/ml	97
4) 2-Methylpropanoic acid	5.67	71	3135559	65.79	ug/ml	99
5) Butanoic acid	6.09	74	19480051	233.56	ug/ml	98
6) 2-Methylbutanoic acid	6.59	88	2275876	18.45	ug/ml	97
7) 3-Methylbutanoic acid	6.66	74	5196213	32.50	ug/ml	96
8) Pentanoic acid	7.15	74	3473392	21.92	ug/ml	96
9) 2-Methylpentanoic acid	0.00	88	0	N.D.	d	
10) 3-Methylpentanoic acid	0.00	74	0	N.D.	d	
11) 4-Methylpentanoic acid	0.00	74	0	N.D.		
12) Hexanoic acid	8.18	74	785861	3.66	ug/ml	98
14) Heptanoic acid	0.00	74	0	N.D.		
15) 2-Ethylhexanoic acid	0.00	87	0	N.D.		
16) Cyclohexanecarboxylic ...	0.00	55	0	N.D.		
17) Octanoic acid	0.00	74	0	N.D.		
18) Benzoic acid	10.41	105	19159	0.10	ug/ml#	1
20) Nonanoic acid	0.00	74	0	N.D.		
21) Decanoic Acid	11.81	74	46010	0.18	ug/ml#	31

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (Qedit)

Data Path : J:\MS14\DATA\ACIDS\2013_04\26\
 Data File : 04261325.D
 Acq On : 26 Apr 2013 6:39 pm
 Operator : EI
 Sample : P1301655-003 Back 1.0ml
 Misc :
 ALS Vial : 24 Sample Multiplier: 1

Quant Time: Apr 27 08:48:27 2013
 Quant Method : J:\MS14\METHODS\CA100912E.M
 Quant Title : Short Chain Carboxylic Acids in Air
 QLast Update : Fri Apr 05 11:12:06 2013
 Response via : Initial Calibration



(2) Acetic acid (T)

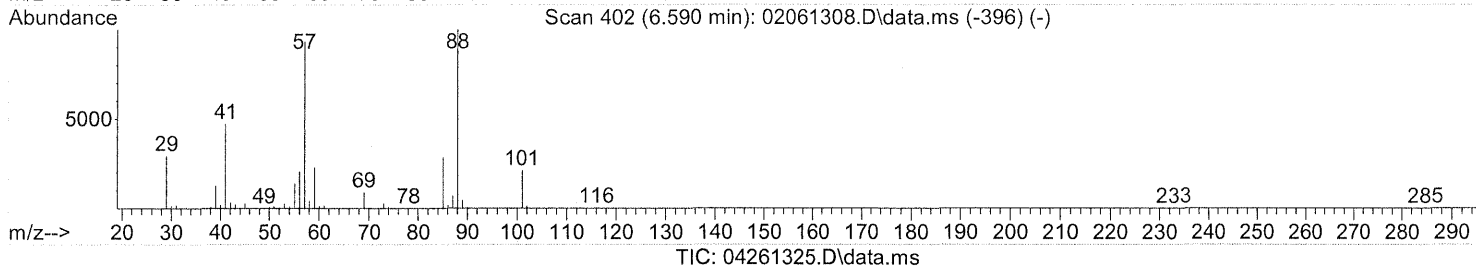
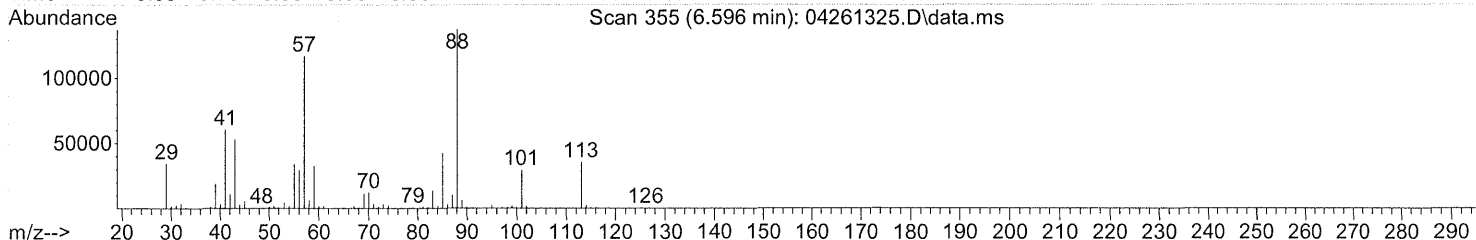
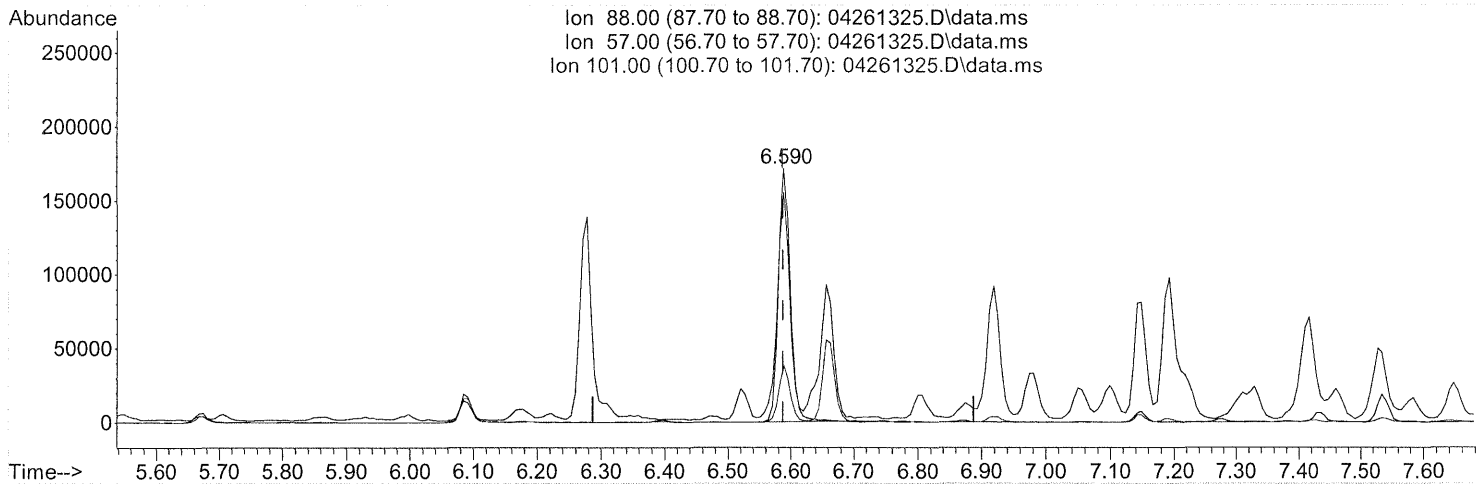
4.499min (+0.006) 51.82ug/ml
 response 429183

Ion	Exp%	Act%
74.00	100	100
43.00	609.70	398.31#
59.10	31.40	30.93
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : J:\MS14\DATA\ACIDS\2013_04\26\
 Data File : 04261325.D
 Acq On : 26 Apr 2013 6:39 pm
 Operator : EI
 Sample : P1301655-003 Back 1.0ml
 Misc :
 ALS Vial : 24 Sample Multiplier: 1

Quant Time: Apr 27 08:48:27 2013
 Quant Method : J:\MS14\METHODS\CA100912E.M
 Quant Title : Short Chain Carboxylic Acids in Air
 QLast Update : Fri Apr 05 11:12:06 2013
 Response via : Initial Calibration



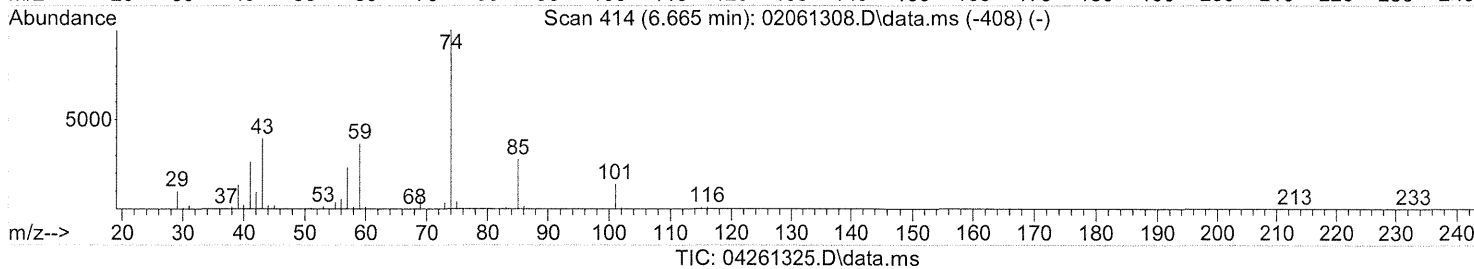
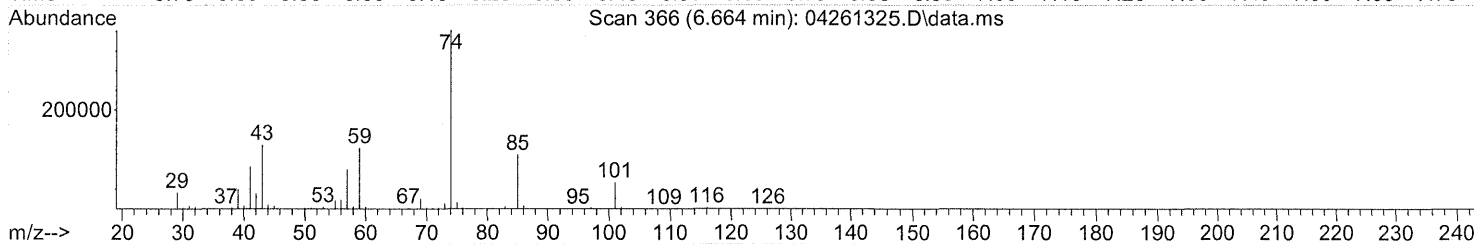
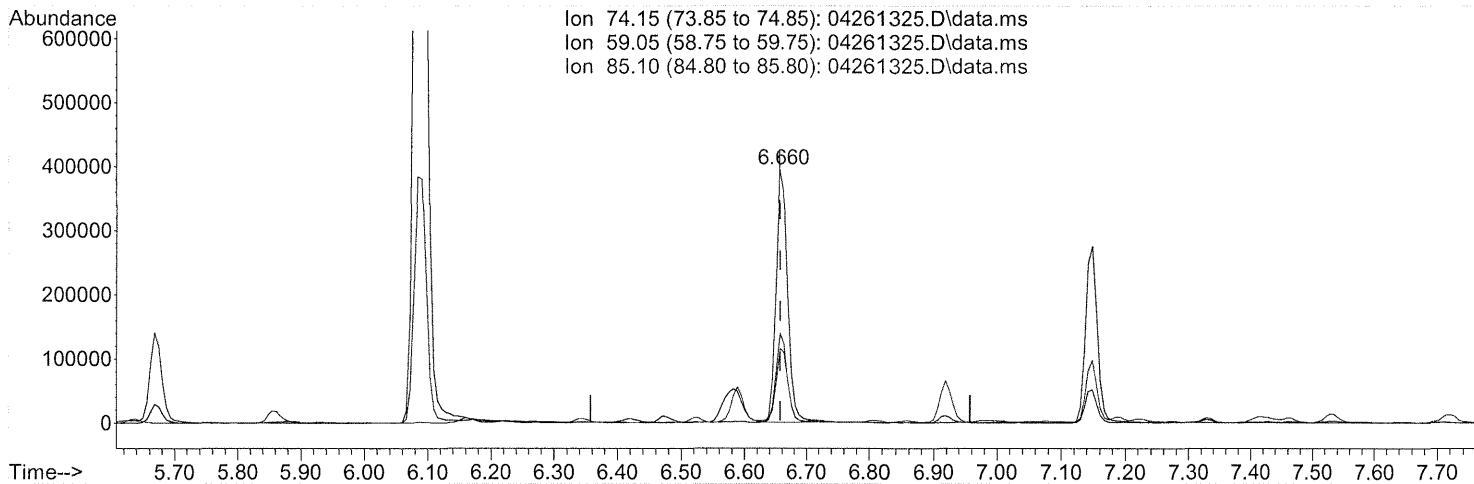
(6) 2-Methylbutanoic acid
 6.593min (+0.005) 18.45ug/ml
 response 2275876

Ion	Exp%	Act%
88.00	100	100
57.00	90.80	94.14
101.00	21.80	21.29
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : J:\MS14\DATA\ACIDS\2013_04\26\
 Data File : 04261325.D
 Acq On : 26 Apr 2013 6:39 pm
 Operator : EI
 Sample : P1301655-003 Back 1.0ml
 Misc :
 ALS Vial : 24 Sample Multiplier: 1

Quant Time: Apr 27 08:48:27 2013
 Quant Method : J:\MS14\METHODS\CA100912E.M
 Quant Title : Short Chain Carboxylic Acids in Air
 QLast Update : Fri Apr 05 11:12:06 2013
 Response via : Initial Calibration



(7) 3-Methylbutanoic acid (T)

6.663min (+0.005) 32.50ug/ml

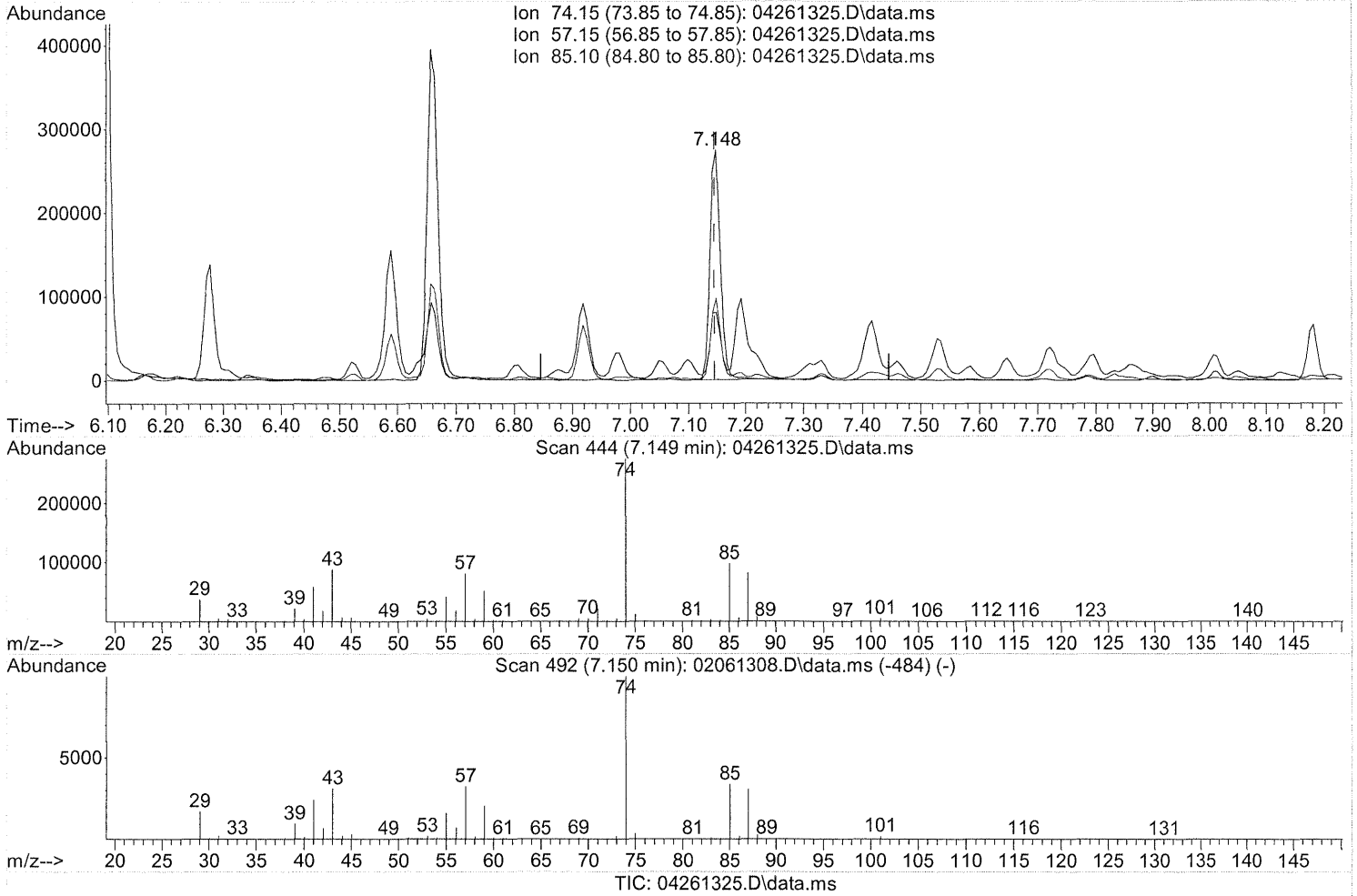
response 5196213

Ion	Exp%	Act%
74.15	100	100
59.05	36.50	34.27
85.10	27.70	29.69
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : J:\MS14\DATA\ACIDS\2013_04\26\
 Data File : 04261325.D
 Acq On : 26 Apr 2013 6:39 pm
 Operator : EI
 Sample : P1301655-003 Back 1.0ml
 Misc :
 ALS Vial : 24 Sample Multiplier: 1

Quant Time: Apr 27 08:48:27 2013
 Quant Method : J:\MS14\METHODS\CA100912E.M
 Quant Title : Short Chain Carboxylic Acids in Air
 QLast Update : Fri Apr 05 11:12:06 2013
 Response via : Initial Calibration



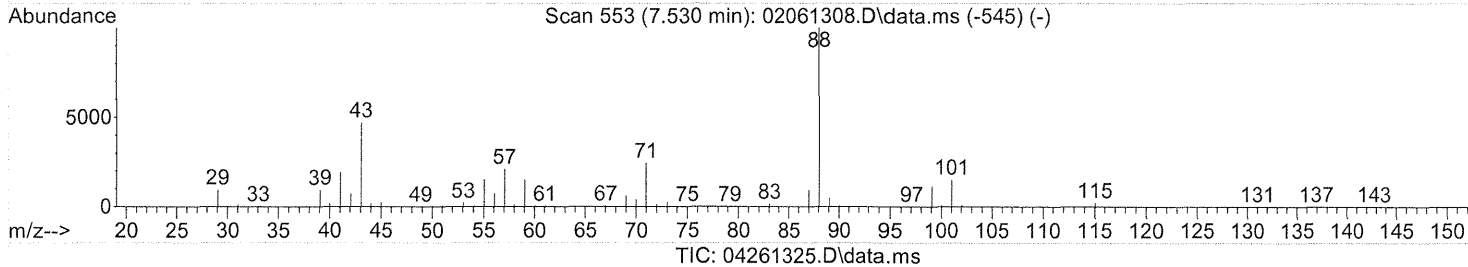
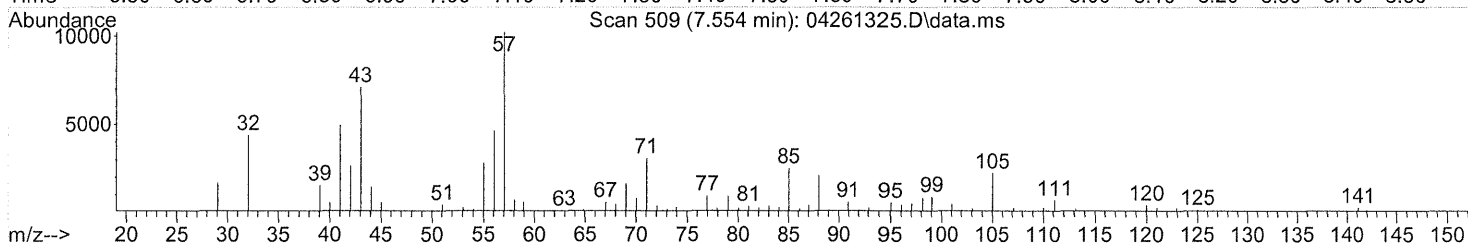
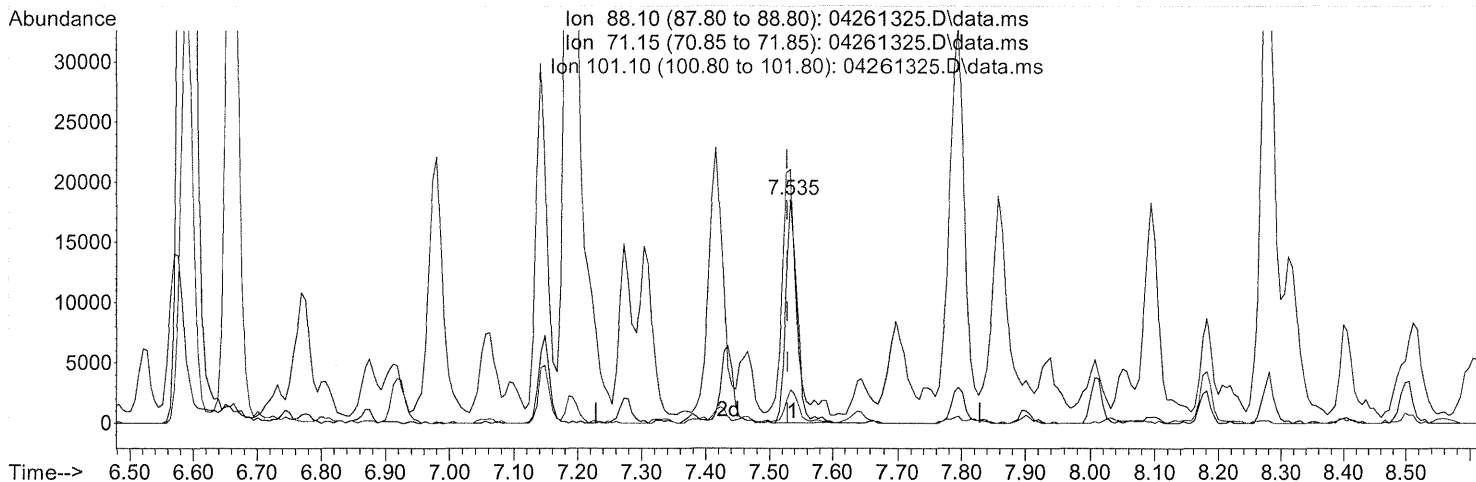
(8) Pentanoic acid (T)
 7.150min (+0.004) 21.92ug/ml
 response 3473392

Ion	Exp%	Act%
74.15	100	100
57.15	32.30	30.64
85.10	33.80	31.12
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : J:\MS14\DATA\ACIDS\2013_04\26\
 Data File : 04261325.D
 Acq On : 26 Apr 2013 6:39 pm
 Operator : EI
 Sample : P1301655-003 Back 1.0ml
 Misc :
 ALS Vial : 24 Sample Multiplier: 1

Quant Time: Apr 27 08:48:27 2013
 Quant Method : J:\MS14\METHODS\CA100912E.M
 Quant Title : Short Chain Carboxylic Acids in Air
 QLast Update : Fri Apr 05 11:12:06 2013
 Response via : Initial Calibration



(9) 2-Methylpentanoic acid (T)

7.538min (+0.009) 1.10ug/ml

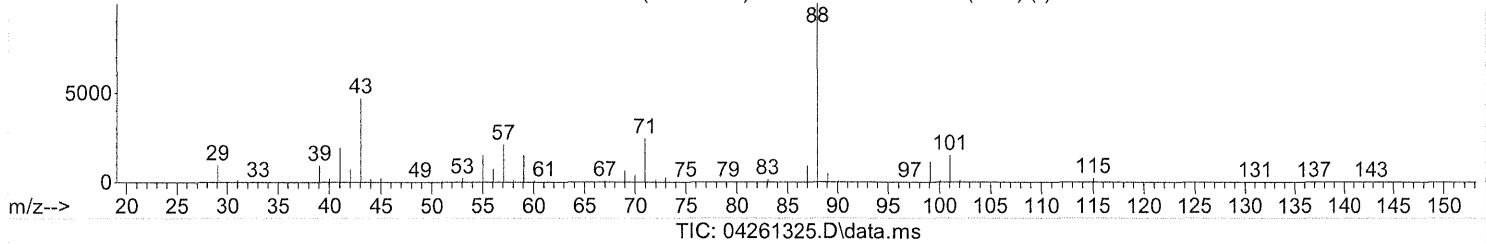
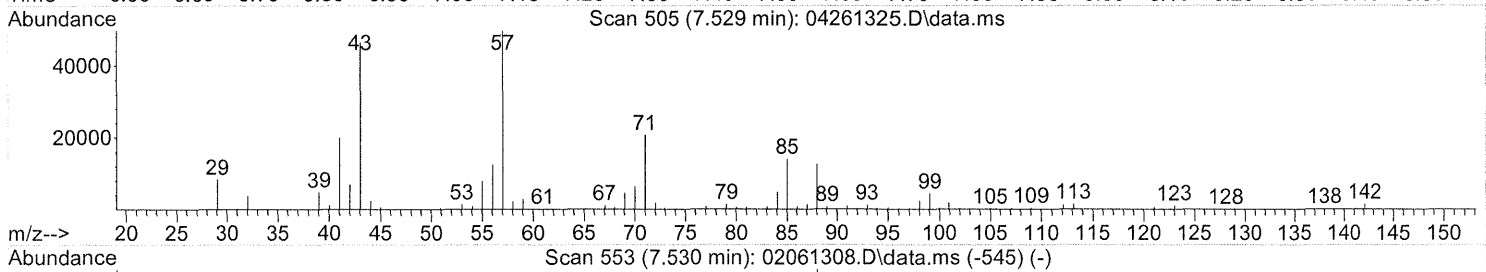
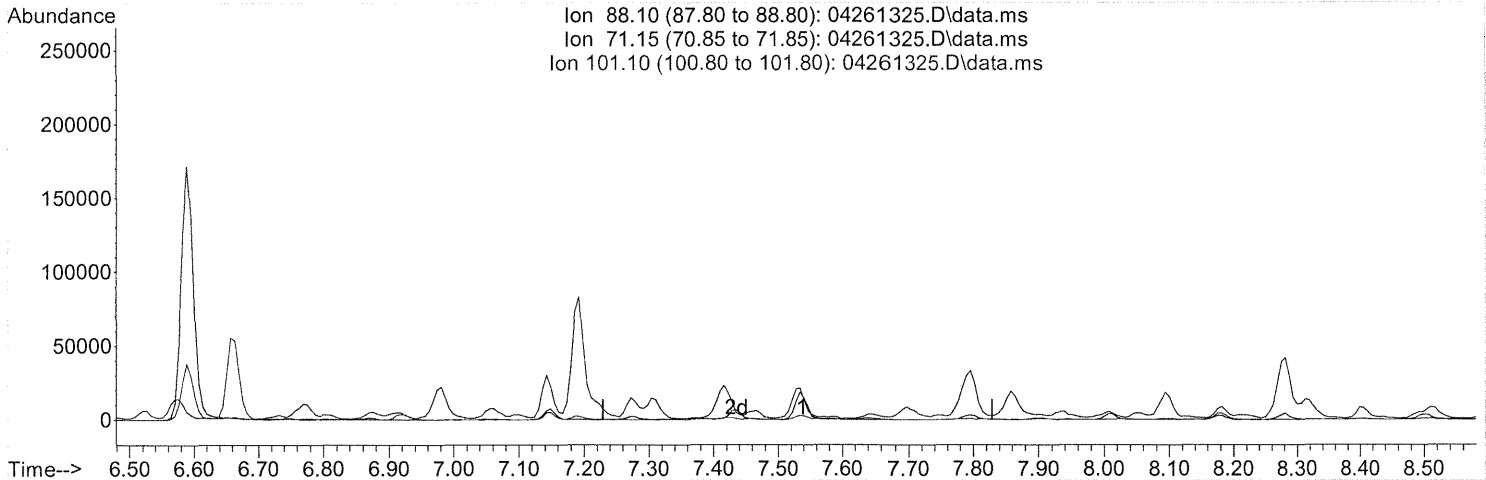
response 237939

Ion	Exp%	Act%
88.10	100	100
71.15	24.30	119.84#
101.10	15.10	18.55
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : J:\MS14\DATA\ACIDS\2013_04\26\
Data File : 04261325.D
Acq On : 26 Apr 2013 6:39 pm
Operator : EI
Sample : P1301655-003 Back 1.0ml
Misc :
ALS Vial : 24 Sample Multiplier: 1

Quant Time: Apr 27 08:48:27 2013
Quant Method : J:\MS14\METHODS\CA100912E.M
Quant Title : Short Chain Carboxylic Acids in Air
QLast Update : Fri Apr 05 11:12:06 2013
Response via : Initial Calibration



(9) 2-Methylpentanoic acid (T)

7.530min 0.00ug/ml d

response 0

Ion	Exp%	Act%
88.10	100	0.00
71.15	24.30	0.00
101.10	15.10	0.00
0.00	0.00	0.00

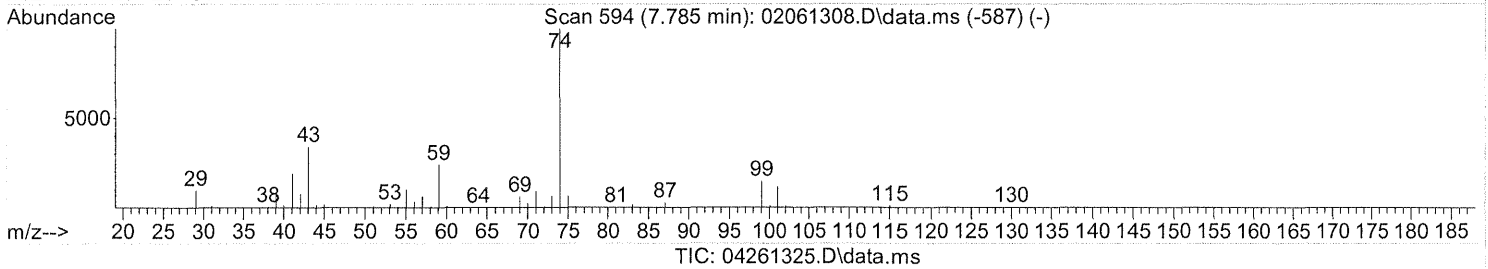
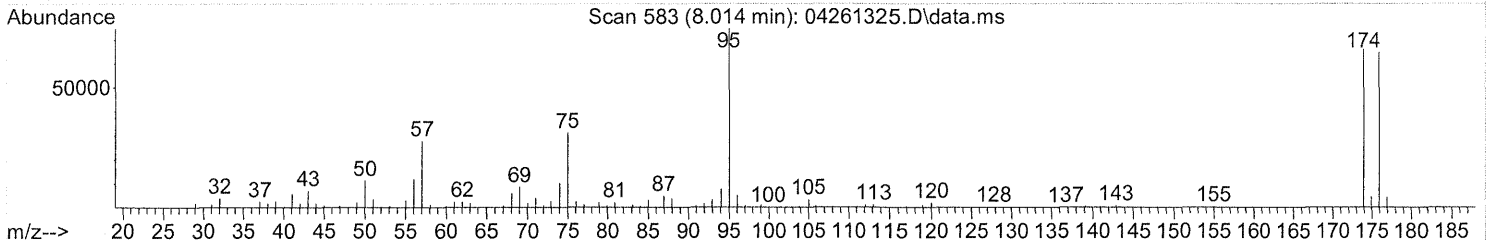
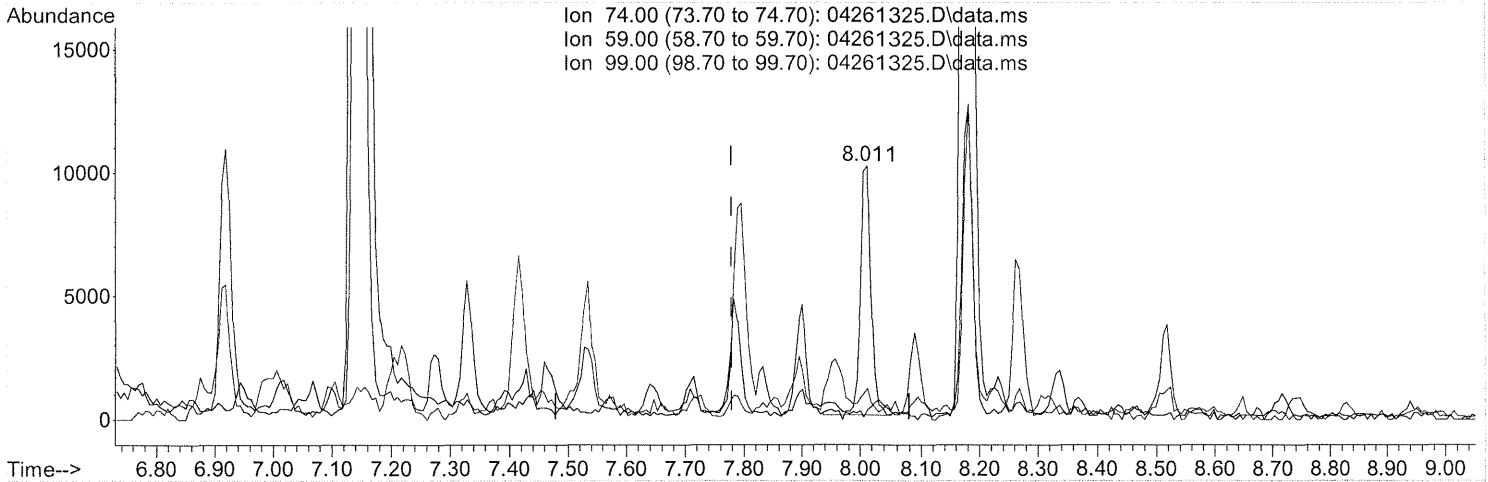
FP 4/30/13
ET

(M)
5/1/13

Quantitation Report (Qedit)

Data Path : J:\MS14\DATA\ACIDS\2013_04\26\
 Data File : 04261325.D
 Acq On : 26 Apr 2013 6:39 pm
 Operator : EI
 Sample : P1301655-003 Back 1.0ml
 Misc :
 ALS Vial : 24 Sample Multiplier: 1

Quant Time: Apr 27 08:48:27 2013
 Quant Method : J:\MS14\METHODS\CA100912E.M
 Quant Title : Short Chain Carboxylic Acids in Air
 QLast Update : Fri Apr 05 11:12:06 2013
 Response via : Initial Calibration



(10) 3-Methylpentanoic acid (T)

8.014min (+0.234) 0.52ug/ml

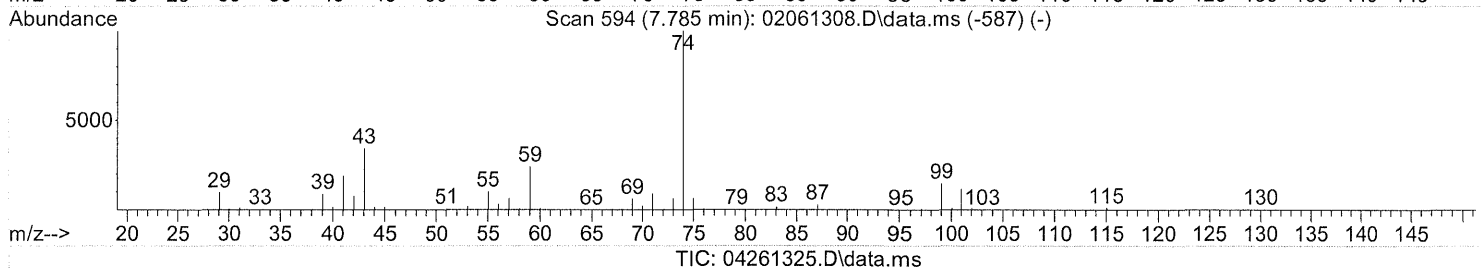
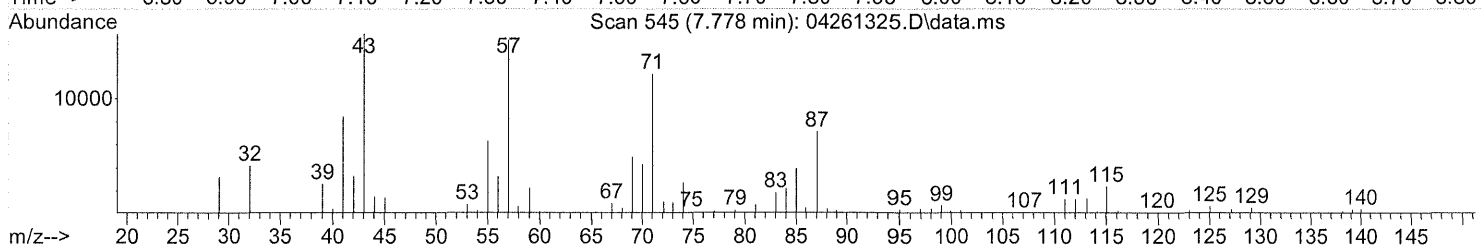
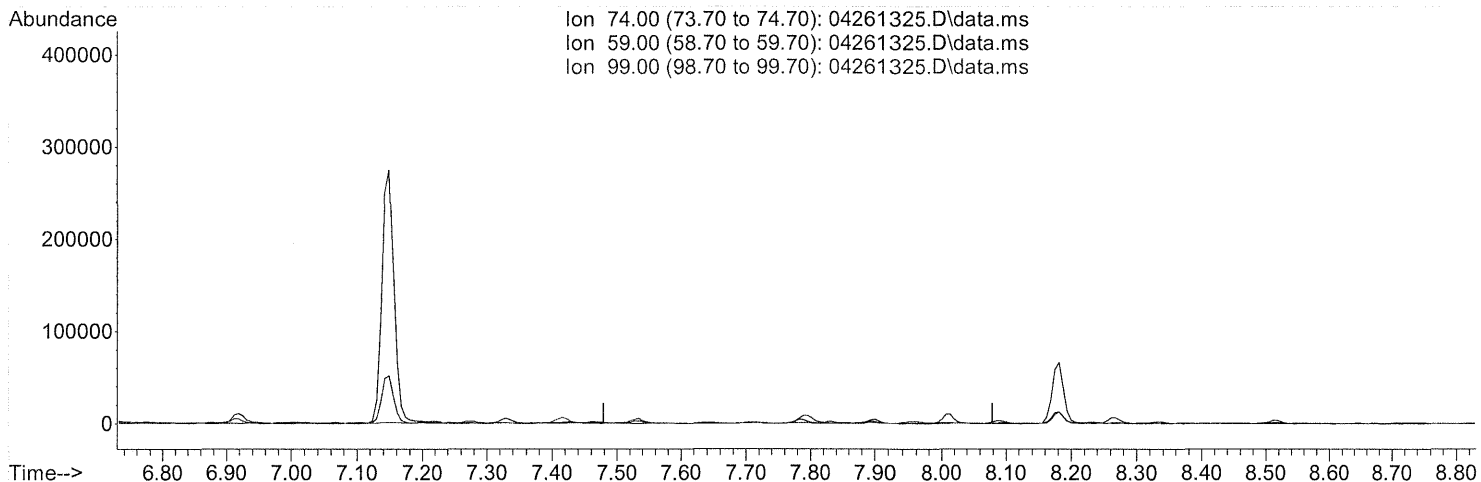
response 129326

Ion	Exp%	Act%
74.00	100	100
59.00	24.00	0.00#
99.00	14.70	0.00
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : J:\MS14\DATA\ACIDS\2013_04\26\
 Data File : 04261325.D
 Acq On : 26 Apr 2013 6:39 pm
 Operator : EI
 Sample : P1301655-003 Back 1.0ml
 Misc :
 ALS Vial : 24 Sample Multiplier: 1

Quant Time: Apr 27 08:48:27 2013
 Quant Method : J:\MS14\METHODS\CA100912E.M
 Quant Title : Short Chain Carboxylic Acids in Air
 QLast Update : Fri Apr 05 11:12:06 2013
 Response via : Initial Calibration



(10) 3-Methylpentanoic acid (T)

7.780min 0.00ug/ml d

response 0

Ion	Exp%	Act%
74.00	100	0.00
59.00	24.00	0.00
99.00	14.70	0.00
0.00	0.00	0.00

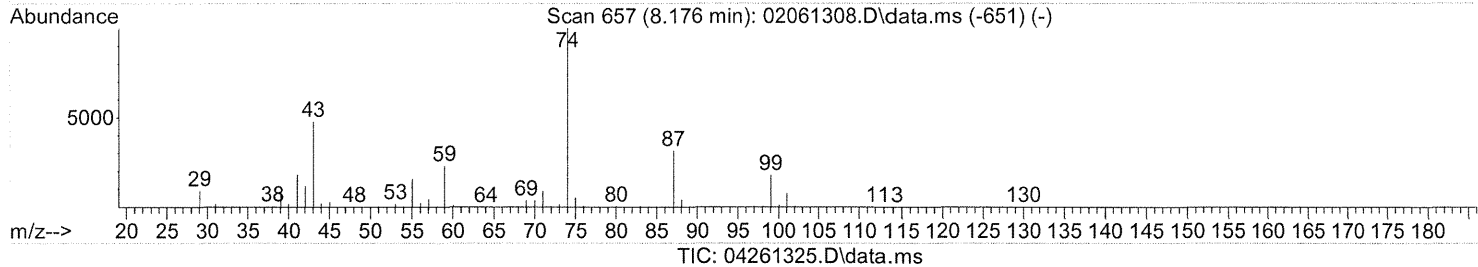
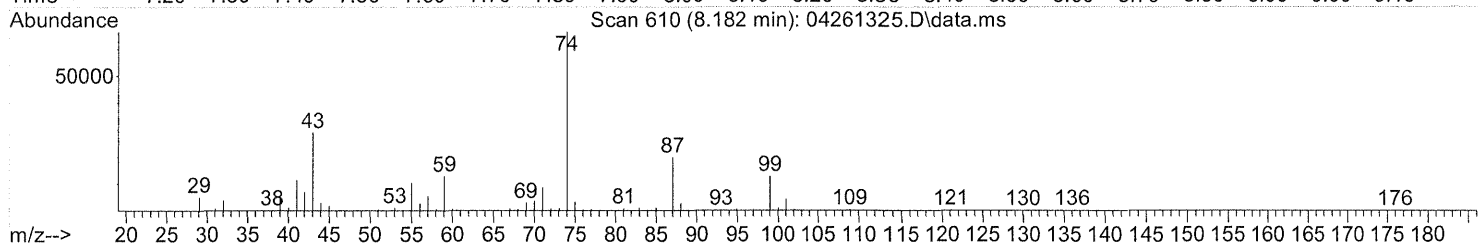
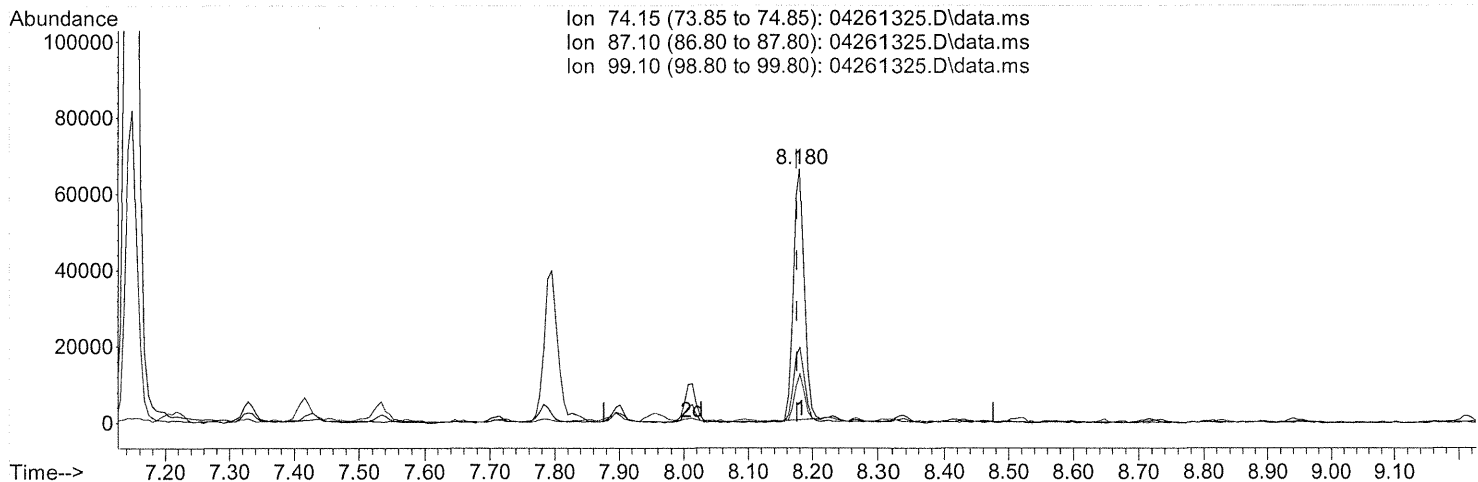
FP 4/30/13
 ET

(Handwritten signature)
 5/1/13

Quantitation Report (Qedit)

Data Path : J:\MS14\DATA\ACIDS\2013_04\26\
 Data File : 04261325.D
 Acq On : 26 Apr 2013 6:39 pm
 Operator : EI
 Sample : P1301655-003 Back 1.0ml
 Misc :
 ALS Vial : 24 Sample Multiplier: 1

Quant Time: Apr 30 11:25:31 2013
 Quant Method : J:\MS14\METHODS\CA100912E.M
 Quant Title : Short Chain Carboxylic Acids in Air
 QLast Update : Fri Apr 05 11:12:06 2013
 Response via : Initial Calibration



(12) Hexanoic acid (T)

8.183min (+0.006) 3.66ug/ml

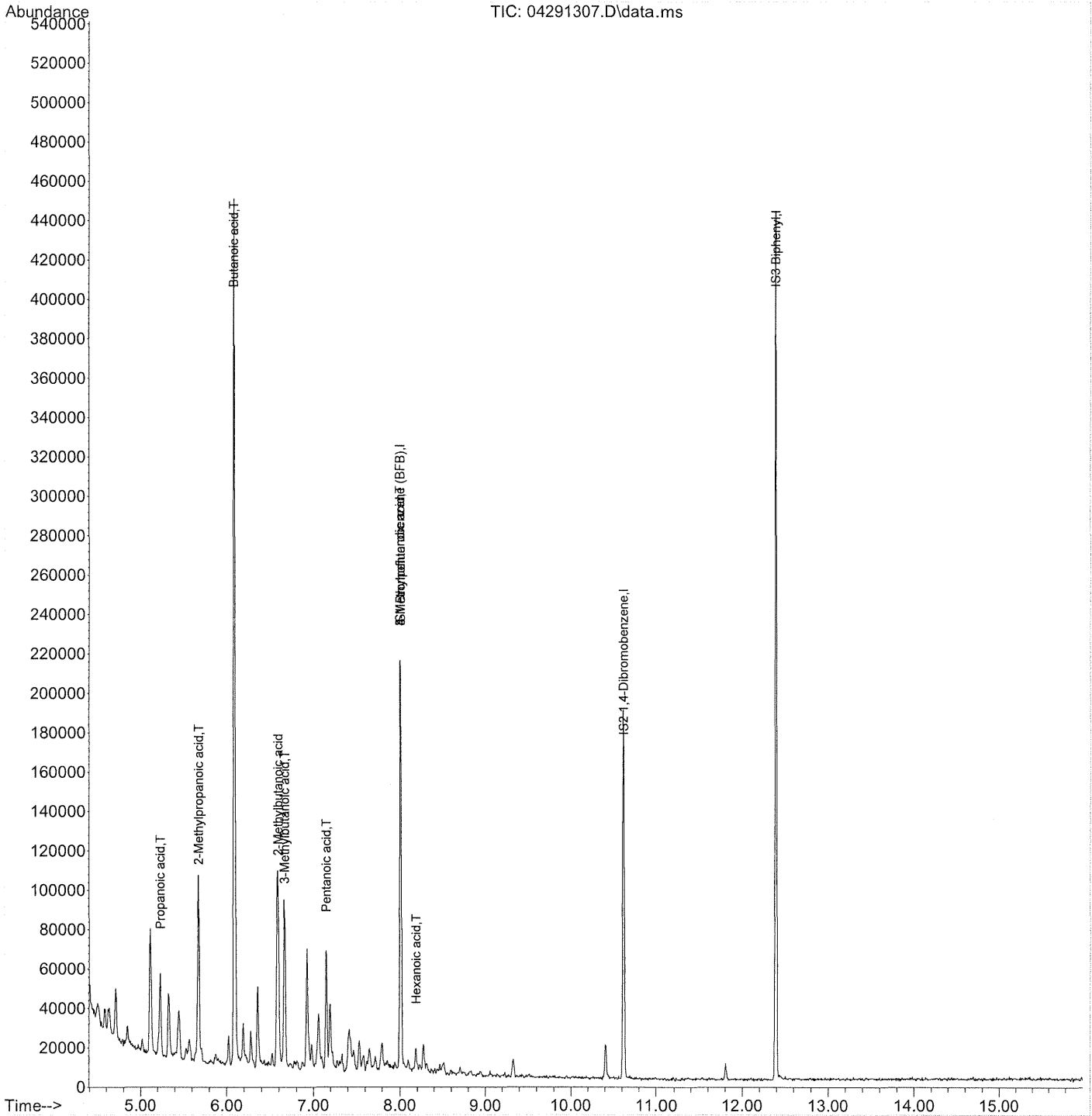
response 785861

Ion	Exp%	Act%
74.15	100	100
87.10	31.40	30.59
99.10	17.80	16.51
0.00	0.00	0.00

Quantitation Report (QT Reviewed)

Data Path : J:\MS14\DATA\ACIDS\2013_04\29\
Data File : 04291307.D
Acq On : 29 Apr 2013 3:04 pm
Operator : EI
Sample : P1301655-003 Back 1.0ml 10x
Misc :
ALS Vial : 6 Sample Multiplier: 1

Quant Time: Apr 29 15:25:25 2013
Quant Method : J:\MS14\METHODS\CA100912E.M
Quant Title : Short Chain Carboxylic Acids in Air
QLast Update : Fri Apr 05 11:12:06 2013
Response via : Initial Calibration



Data Path : J:\MS14\DATA\ACIDS\2013_04\29\
 Data File : 04291307.D
 Acq On : 29 Apr 2013 3:04 pm
 Operator : EI
 Sample : P1301655-003 Back 1.0ml 10x
 Misc :
 ALS Vial : 6 Sample Multiplier: 1

4/30/13
 ER

Quant Time: Apr 29 15:25:25 2013
 Quant Method : J:\MS14\METHODS\CA100912E.M
 Quant Title : Short Chain Carboxylic Acids in Air
 QLast Update : Fri Apr 05 11:12:06 2013
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) IS1 Bromofluorobenzene...	8.01	95	531250	10.00	ug/ml	0.00
13) IS2 1,4-Dibromobenzene	10.62	236	410784	10.00	ug/ml	0.00
19) IS3 Biphenyl	12.39	154	1852662	10.00	ug/ml	0.00

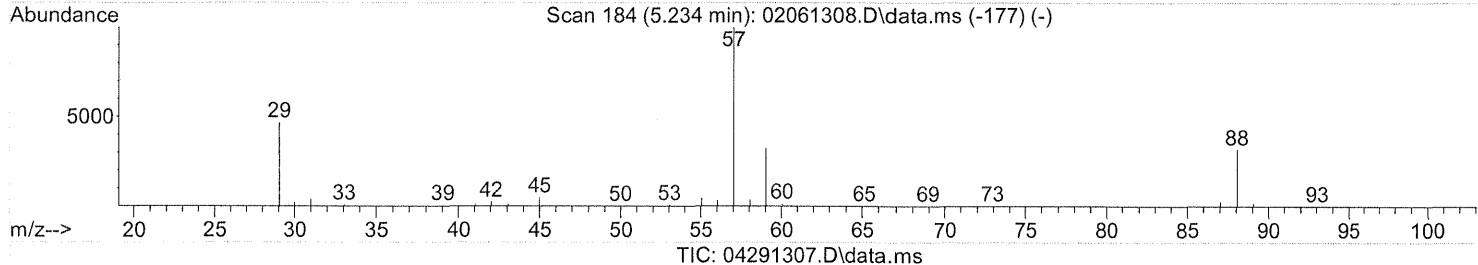
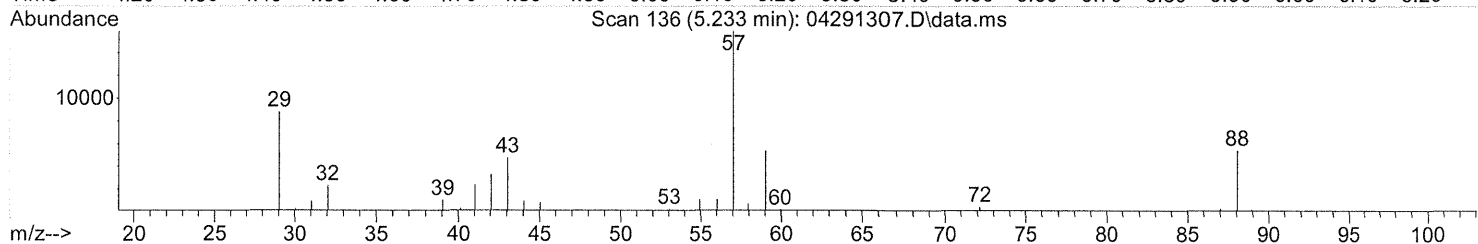
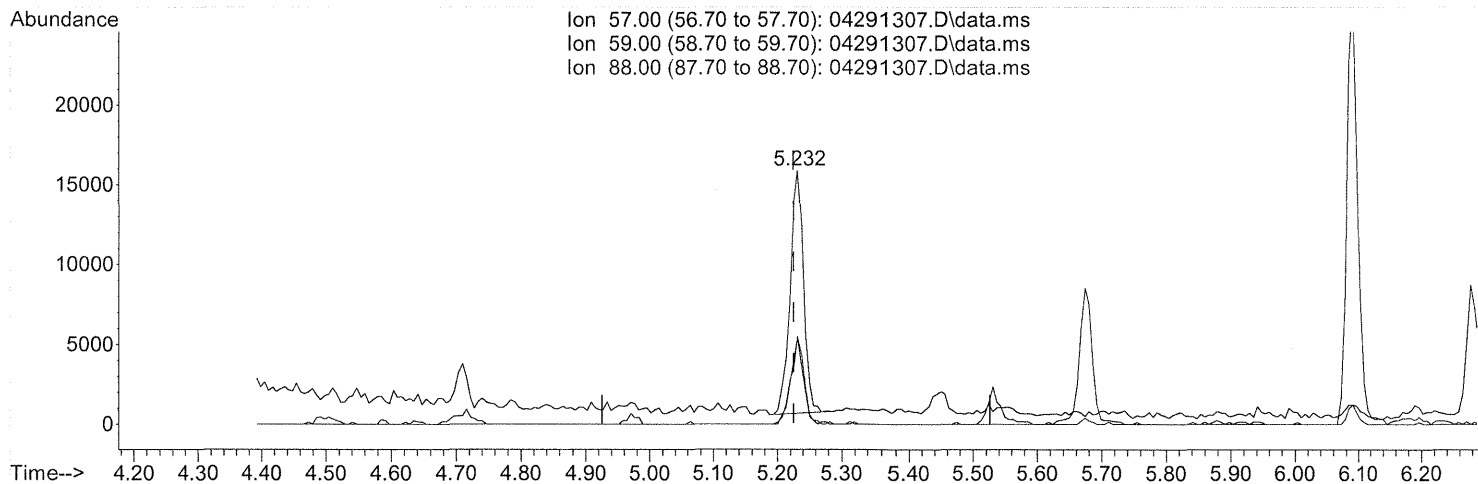
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Acetic acid	0.00	74	0	N.D.		
3) Propanoic acid	5.23	57	224823	6.59	ug/ml	95
4) 2-Methylpropanoic acid	5.68	71	203255	7.78	ug/ml	95
5) Butanoic acid	6.09	74	1246317	27.27	ug/ml	98
6) 2-Methylbutanoic acid	6.60	88	150403	2.23	ug/ml#	88
7) 3-Methylbutanoic acid	6.67	74	329417	3.76	ug/ml	96
8) Pentanoic acid	7.15	74	207858	2.39	ug/ml	94
9) 2-Methylpentanoic acid	0.00	88	0	N.D.		
10) 3-Methylpentanoic acid	8.01	74	77912	0.58	ug/ml#	56
11) 4-Methylpentanoic acid	8.01	74	77909	1.13	ug/ml#	77
12) Hexanoic acid	8.19	74	49346	0.42	ug/ml#	49
14) Heptanoic acid	0.00	74	0	N.D.		
15) 2-Ethylhexanoic acid	0.00	87	0	N.D.		
16) Cyclohexanecarboxylic ...	0.00	55	0	N.D.		
17) Octanoic acid	0.00	74	0	N.D.		
18) Benzoic acid	0.00	105	0	N.D.		
20) Nonanoic acid	0.00	74	0	N.D.		
21) Decanoic Acid	0.00	74	0	N.D.		

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (Qedit)

Data Path : J:\MS14\DATA\ACIDS\2013_04\29\
 Data File : 04291307.D
 Acq On : 29 Apr 2013 3:04 pm
 Operator : EI
 Sample : P1301655-003 Back 1.0ml 10x
 Misc :
 ALS Vial : 6 Sample Multiplier: 1

Quant Time: Apr 29 15:25:25 2013
 Quant Method : J:\MS14\METHODS\CA100912E.M
 Quant Title : Short Chain Carboxylic Acids in Air
 QLast Update : Fri Apr 05 11:12:06 2013
 Response via : Initial Calibration



(3) Propanoic acid (T)

5.235min (+0.008) 6.59ug/ml

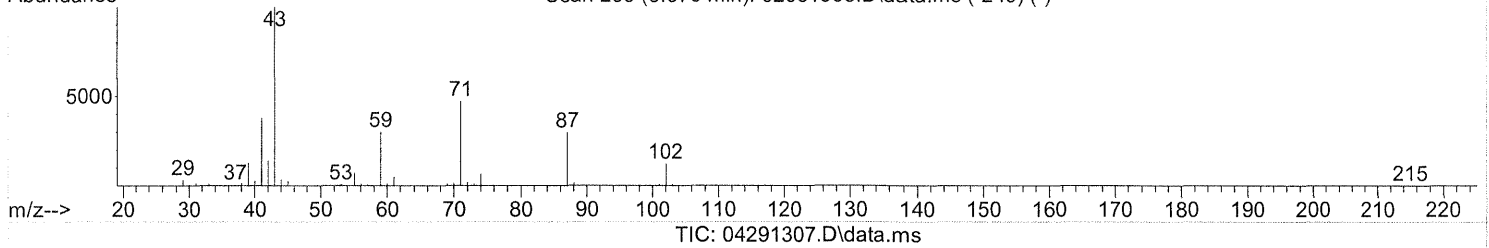
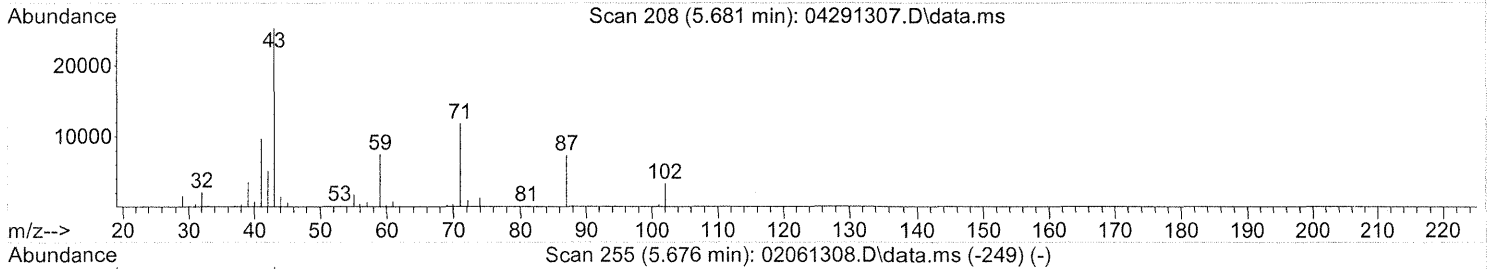
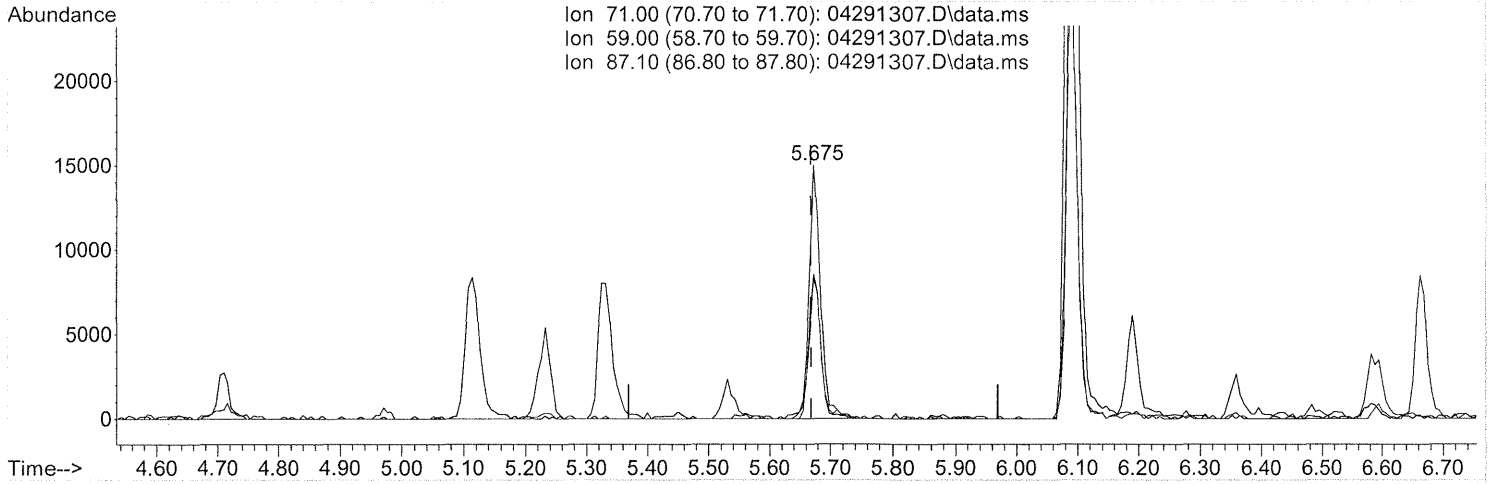
response 224823

Ion	Exp%	Act%
57.00	100	100
59.00	30.60	32.37
88.00	31.60	35.06
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : J:\MS14\DATA\ACIDS\2013_04\29\
 Data File : 04291307.D
 Acq On : 29 Apr 2013 3:04 pm
 Operator : EI
 Sample : P1301655-003 Back 1.0ml 10x
 Misc :
 ALS Vial : 6 Sample Multiplier: 1

Quant Time: Apr 29 15:25:25 2013
 Quant Method : J:\MS14\METHODS\CA100912E.M
 Quant Title : Short Chain Carboxylic Acids in Air
 QLast Update : Fri Apr 05 11:12:06 2013
 Response via : Initial Calibration



(4) 2-Methylpropanoic acid (T)

5.678min (+0.008) 7.78ug/ml

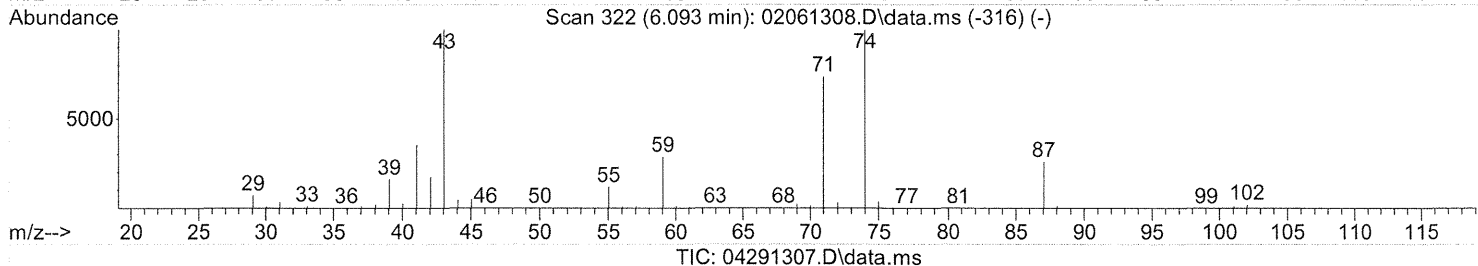
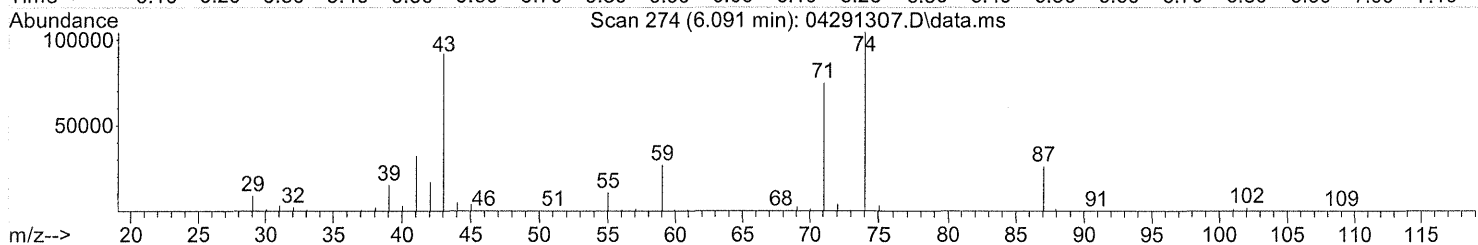
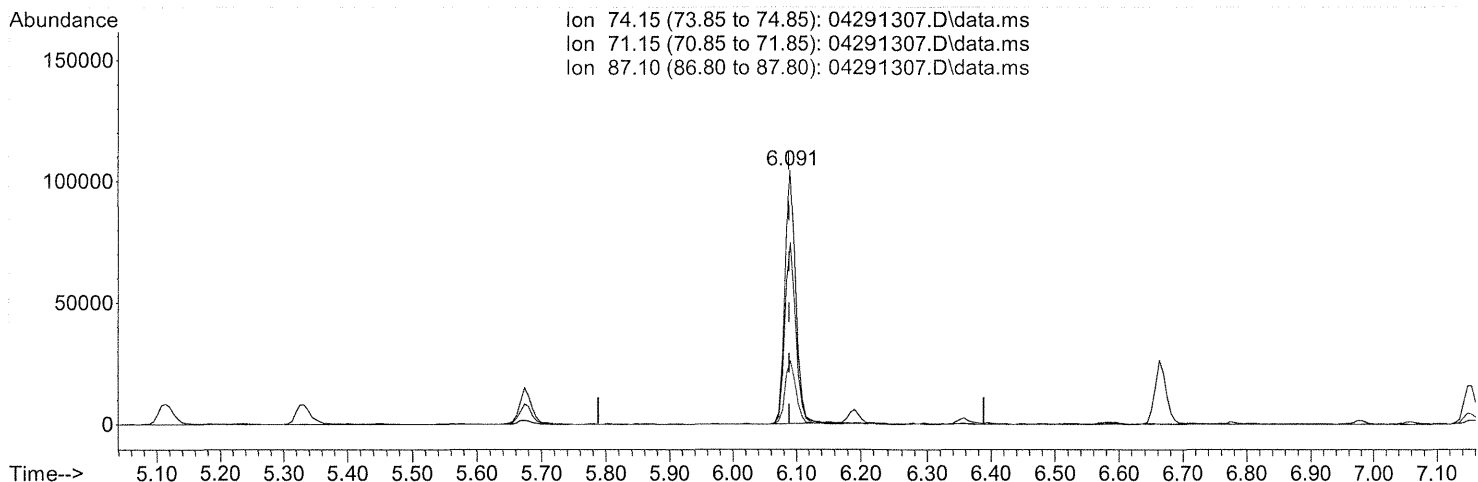
response 203255

Ion	Exp%	Act%
71.00	100	100
59.00	61.50	58.94
87.10	60.50	55.38
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : J:\MS14\DATA\ACIDS\2013_04\29\
 Data File : 04291307.D
 Acq On : 29 Apr 2013 3:04 pm
 Operator : EI
 Sample : P1301655-003 Back 1.0ml 10x
 Misc :
 ALS Vial : 6 Sample Multiplier: 1

Quant Time: Apr 29 15:25:25 2013
 Quant Method : J:\MS14\METHODS\CA100912E.M
 Quant Title : Short Chain Carboxylic Acids in Air
 QLast Update : Fri Apr 05 11:12:06 2013
 Response via : Initial Calibration

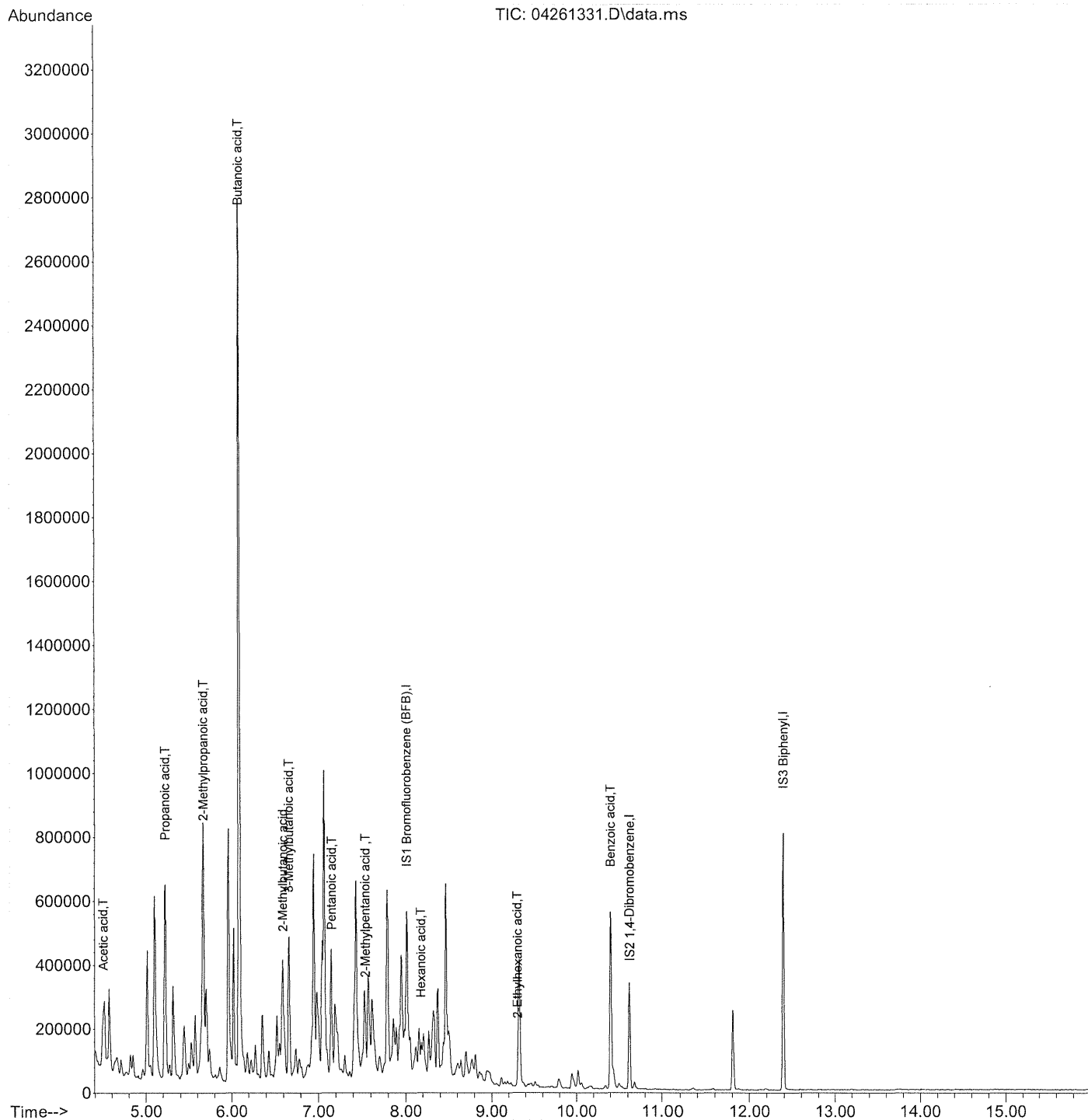


(5) Butanoic acid (T)
 6.093min (+0.004) 27.27ug/ml
 response 1246317

Ion	Exp%	Act%
74.15	100	100
71.15	73.60	72.24
87.10	24.00	25.69
0.00	0.00	0.00

Data Path : J:\MS14\DATA\ACIDS\2013_04\26\
Data File : 04261331.D
Acq On : 26 Apr 2013 8:43 pm
Operator : EI
Sample : P1301655-004 Front 1.0ml
Misc :
ALS Vial : 30 Sample Multiplier: 1

Quant Time: May 01 09:21:36 2013
Quant Method : J:\MS14\METHODS\CA100912E.M
Quant Title : Short Chain Carboxylic Acids in Air
QLast Update : Fri Apr 05 11:12:06 2013
Response via : Initial Calibration



Data Path : J:\MS14\DATA\ACIDS\2013_04\26\
 Data File : 04261331.D
 Acq On : 26 Apr 2013 8:43 pm
 Operator : EI
 Sample : P1301655-004 Front 1.0ml
 Misc :
 ALS Vial : 30 Sample Multiplier: 1

5/1/13
 ET

Quant Time: May 01 09:21:36 2013
 Quant Method : J:\MS14\METHODS\CA100912E.M
 Quant Title : Short Chain Carboxylic Acids in Air
 QLast Update : Fri Apr 05 11:12:06 2013
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev (Min)
1) IS1 Bromofluorobenzene...	8.01	95	1024131	10.00	ug/ml	0.00
13) IS2 1,4-Dibromobenzene	10.62	236	680227	10.00	ug/ml	0.00
19) IS3 Biphenyl	12.39	154	3138577	10.00	ug/ml	0.00

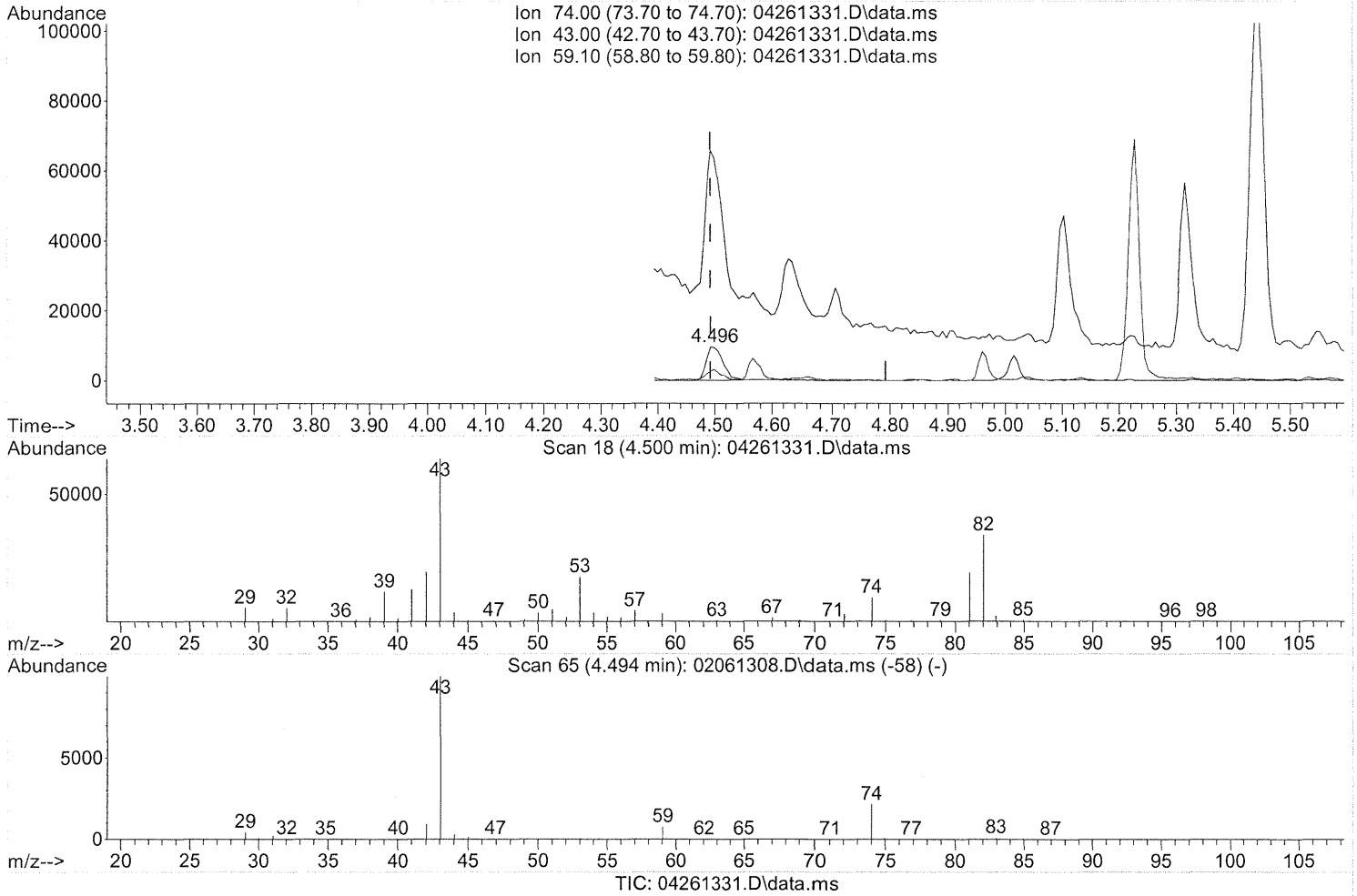
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Acetic acid	4.50	74	200454	22.91	ug/ml#	50
3) Propanoic acid	5.23	57	2966856	45.13	ug/ml	98
4) 2-Methylpropanoic acid	5.67	71	1694830	33.67	ug/ml	97
5) Butanoic acid	6.09	74	8407873	95.44	ug/ml	98
6) 2-Methylbutanoic acid	6.60	88	865144	6.64	ug/ml	96
7) 3-Methylbutanoic acid	6.67	74	1799556	10.66	ug/ml	97
8) Pentanoic acid	7.15	74	1184429	7.08	ug/ml	90
9) 2-Methylpentanoic acid	7.54	88	53558	0.24	ug/ml#	1
10) 3-Methylpentanoic acid	0.00	74	0	N.D.	d	
11) 4-Methylpentanoic acid	0.00	74	0	N.D.	d	
12) Hexanoic acid	8.19	74	270534	1.19	ug/ml#	73
14) Heptanoic acid	0.00	74	0	N.D.		
15) 2-Ethylhexanoic acid	9.31	87	36847	0.19	ug/ml#	29
16) Cyclohexanecarboxylic ...	0.00	55	0	N.D.	d	
17) Octanoic acid	0.00	74	0	N.D.		
18) Benzoic acid	10.41	105	41123	0.21	ug/ml#	1
20) Nonanoic acid	0.00	74	0	N.D.		
21) Decanoic Acid	0.00	74	0	N.D.	d	

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (Qedit)

Data Path : J:\MS14\DATA\ACIDS\2013_04\26\
 Data File : 04261331.D
 Acq On : 26 Apr 2013 8:43 pm
 Operator : EI
 Sample : P1301655-004 Front 1.0ml
 Misc :
 ALS Vial : 30 Sample Multiplier: 1

Quant Time: Apr 27 09:01:00 2013
 Quant Method : J:\MS14\METHODS\CA100912E.M
 Quant Title : Short Chain Carboxylic Acids in Air
 QLast Update : Fri Apr 05 11:12:06 2013
 Response via : Initial Calibration



(2) Acetic acid (T)

4.500min (+0.007) 22.91ug/ml

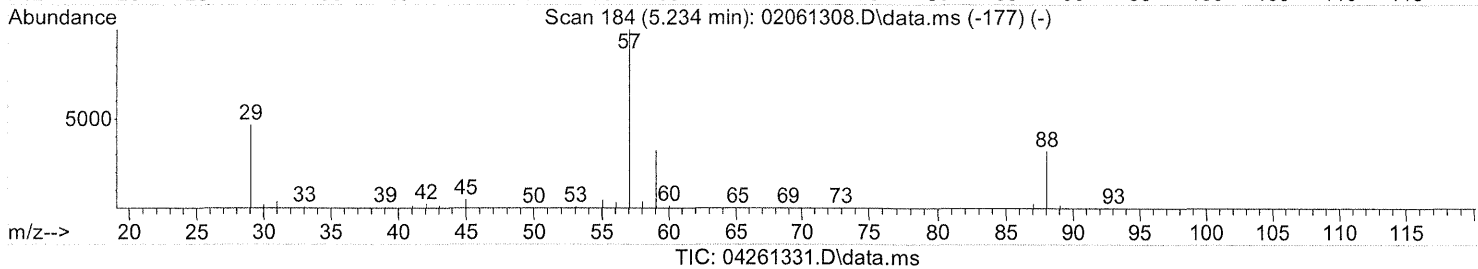
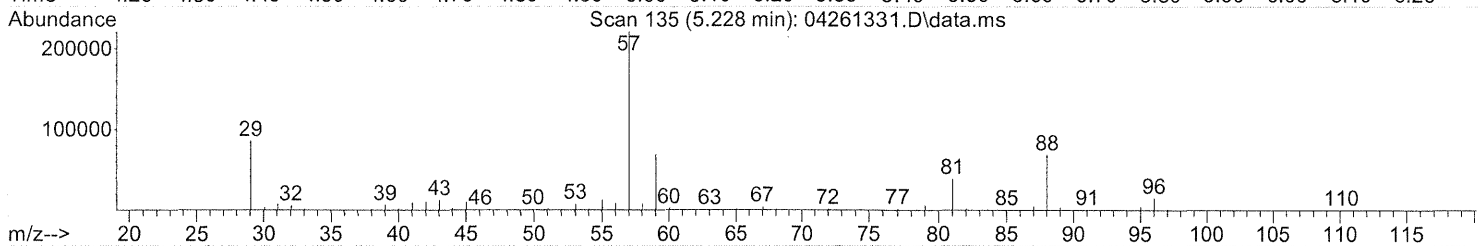
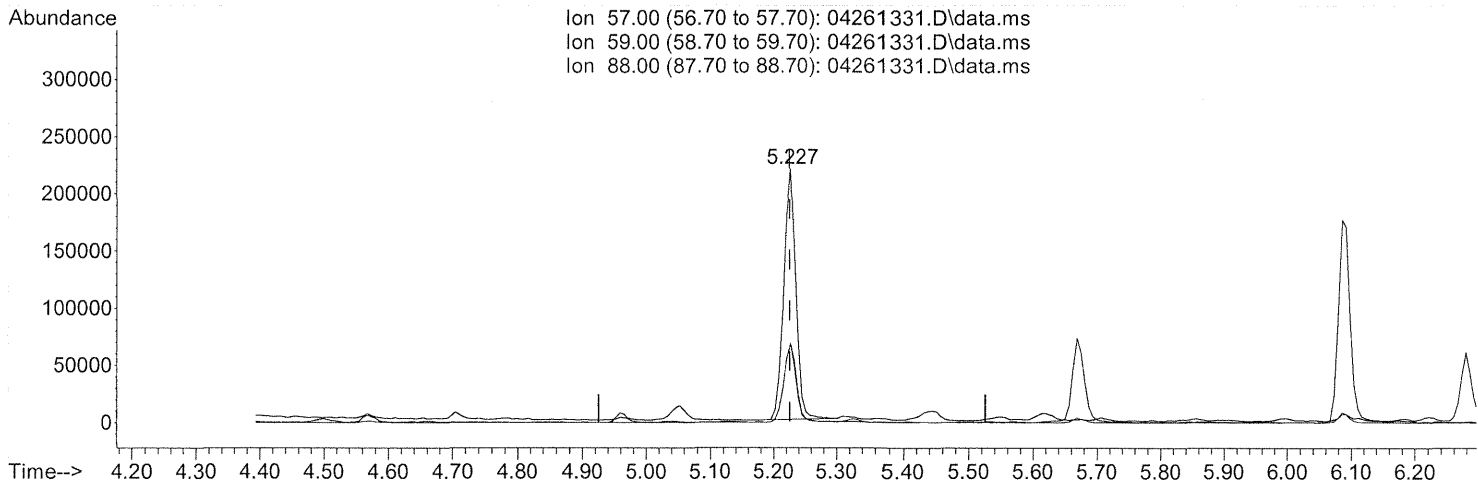
response 200454

Ion	Exp%	Act%
74.00	100	100
43.00	609.70	453.34#
59.10	31.40	0.00#
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : J:\MS14\DATA\ACIDS\2013_04\26\
 Data File : 04261331.D
 Acq On : 26 Apr 2013 8:43 pm
 Operator : EI
 Sample : P1301655-004 Front 1.0ml
 Misc :
 ALS Vial : 30 Sample Multiplier: 1

Quant Time: Apr 27 09:01:00 2013
 Quant Method : J:\MS14\METHODS\CA100912E.M
 Quant Title : Short Chain Carboxylic Acids in Air
 QLast Update : Fri Apr 05 11:12:06 2013
 Response via : Initial Calibration



(3) Propanoic acid (T)

5.230min (+0.003) 45.13ug/ml

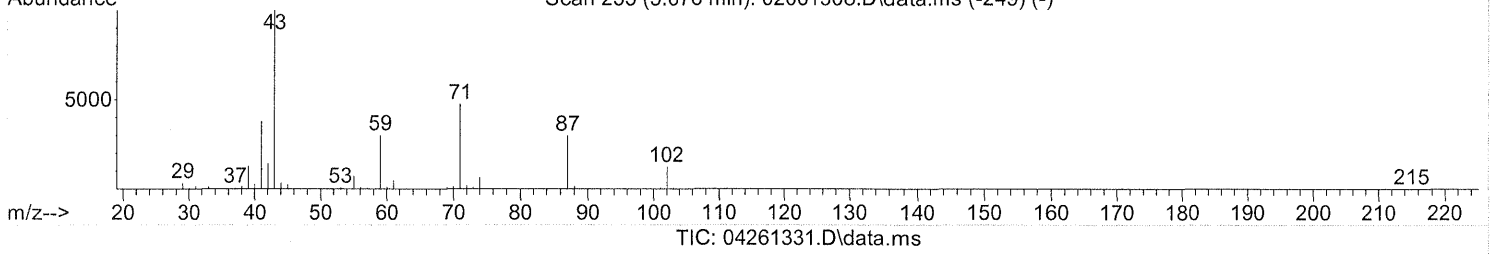
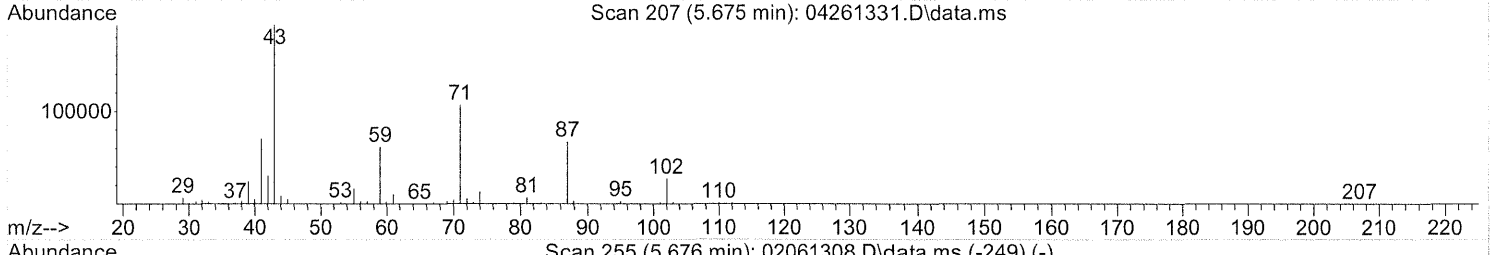
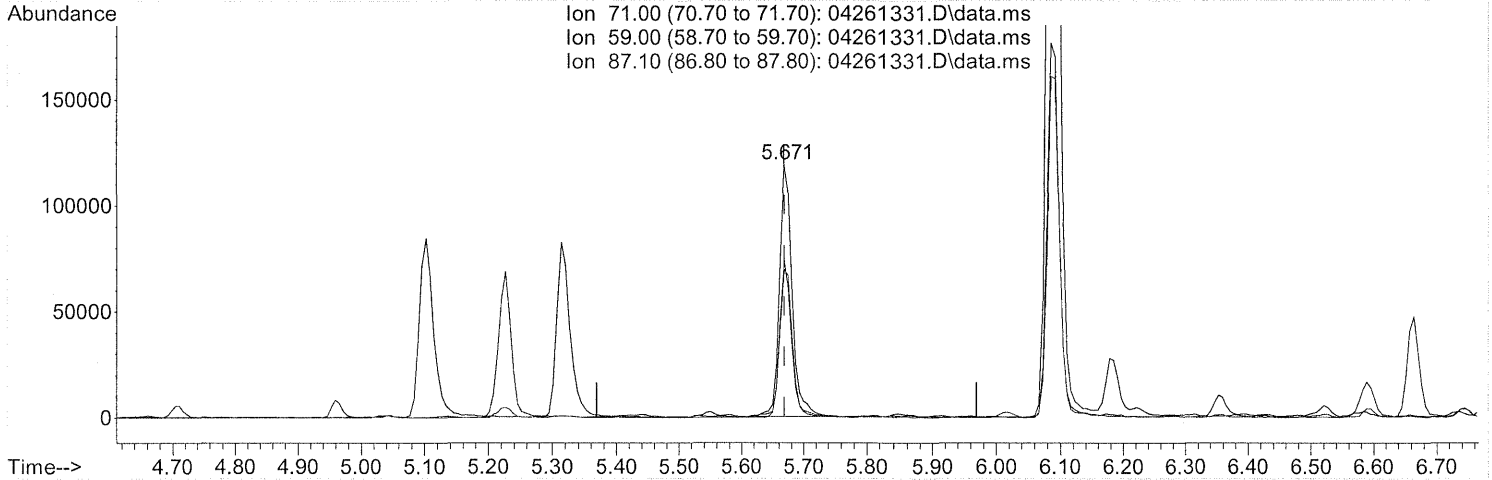
response 2966856

Ion	Exp%	Act%
57.00	100	100
59.00	30.60	31.43
88.00	31.60	32.68
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : J:\MS14\DATA\ACIDS\2013_04\26\
 Data File : 04261331.D
 Acq On : 26 Apr 2013 8:43 pm
 Operator : EI
 Sample : P1301655-004 Front 1.0ml
 Misc :
 ALS Vial : 30 Sample Multiplier: 1

Quant Time: Apr 27 09:01:00 2013
 Quant Method : J:\MS14\METHODS\CA100912E.M
 Quant Title : Short Chain Carboxylic Acids in Air
 QLast Update : Fri Apr 05 11:12:06 2013
 Response via : Initial Calibration



(4) 2-Methylpropanoic acid (T)

5.674min (+0.004) 33.67ug/ml

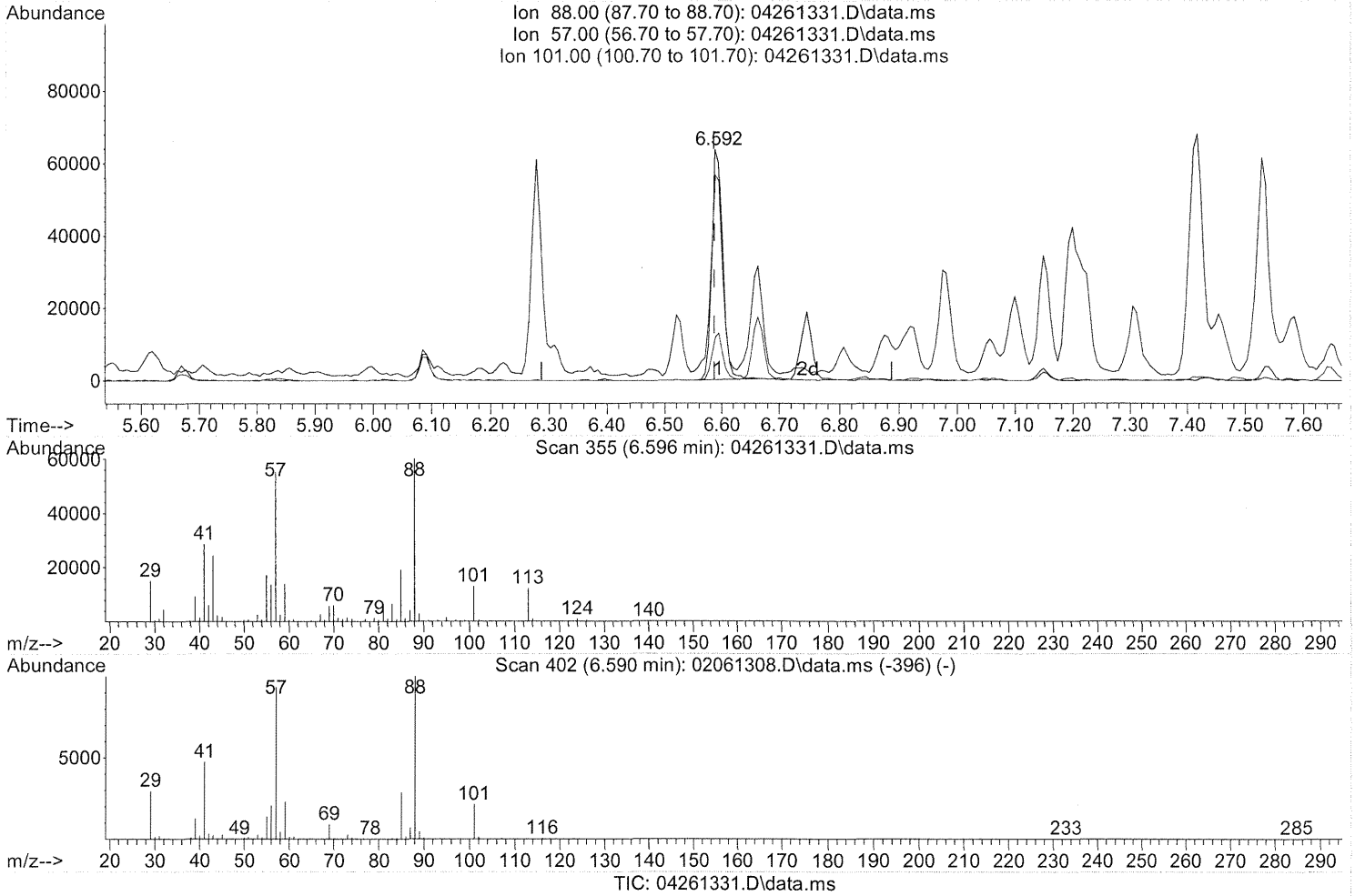
response 1694830

Ion	Exp%	Act%
71.00	100	100
59.00	61.50	58.64
87.10	60.50	59.21
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : J:\MS14\DATA\ACIDS\2013_04\26\
 Data File : 04261331.D
 Acq On : 26 Apr 2013 8:43 pm
 Operator : EI
 Sample : P1301655-004 Front 1.0ml
 Misc :
 ALS Vial : 30 Sample Multiplier: 1

Quant Time: Apr 27 09:01:00 2013
 Quant Method : J:\MS14\METHODS\CA100912E.M
 Quant Title : Short Chain Carboxylic Acids in Air
 QLast Update : Fri Apr 05 11:12:06 2013
 Response via : Initial Calibration



(6) 2-Methylbutanoic acid

6.595min (+0.007) 6.64ug/ml

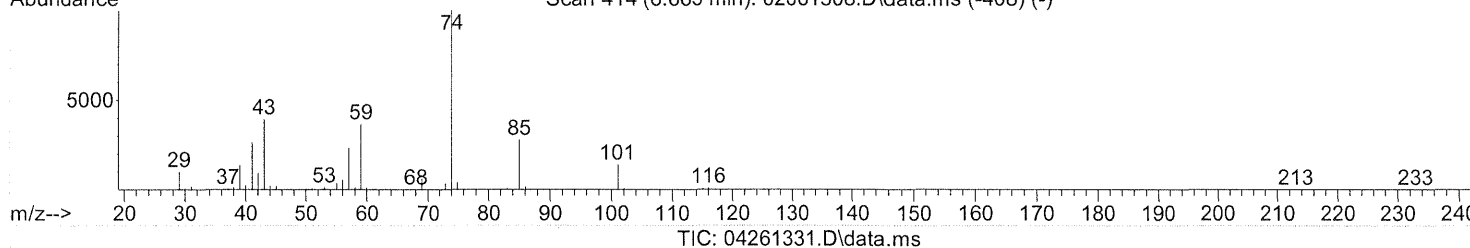
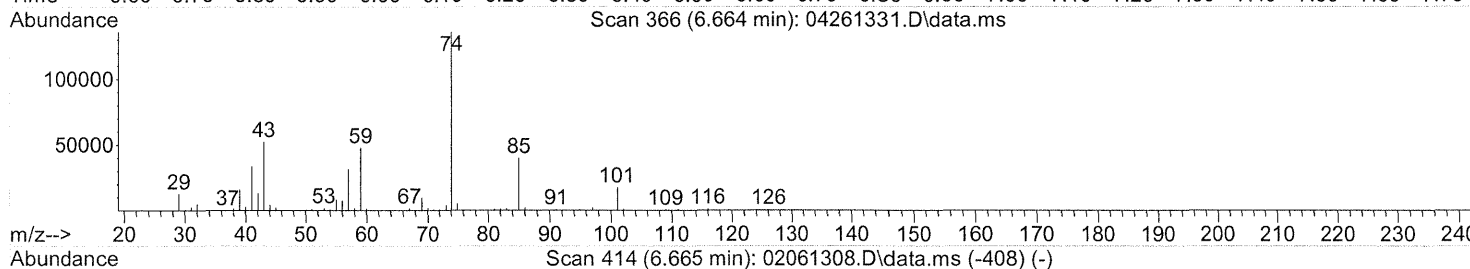
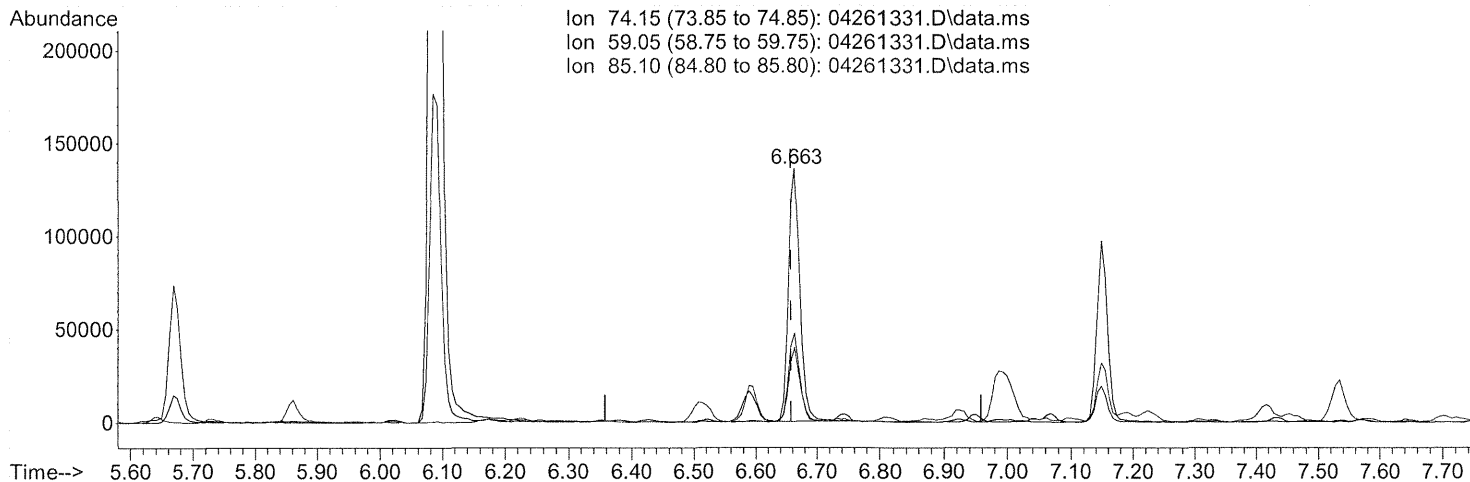
response 865144

Ion	Exp%	Act%
88.00	100	100
57.00	90.80	94.67
101.00	21.80	20.34
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : J:\MS14\DATA\ACIDS\2013_04\26\
 Data File : 04261331.D
 Acq On : 26 Apr 2013 8:43 pm
 Operator : EI
 Sample : P1301655-004 Front 1.0ml
 Misc :
 ALS Vial : 30 Sample Multiplier: 1

Quant Time: Apr 27 09:01:00 2013
 Quant Method : J:\MS14\METHODS\CA100912E.M
 Quant Title : Short Chain Carboxylic Acids in Air
 QLast Update : Fri Apr 05 11:12:06 2013
 Response via : Initial Calibration



(7) 3-Methylbutanoic acid (T)

6.666min (+0.008) 10.66ug/ml

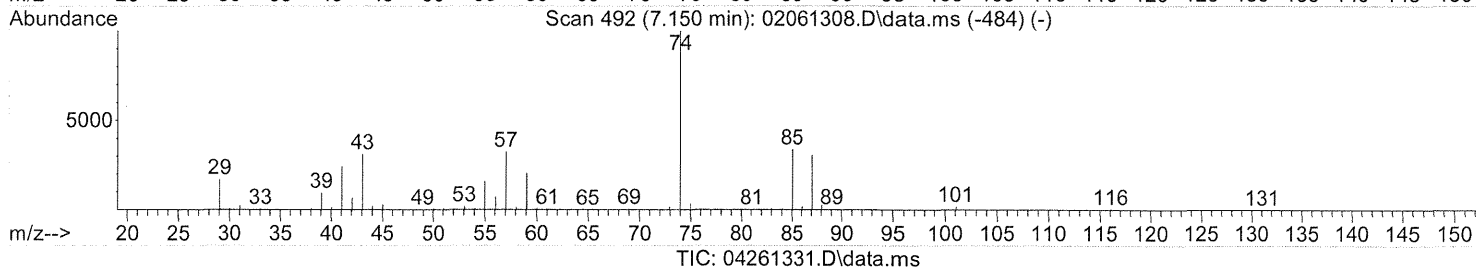
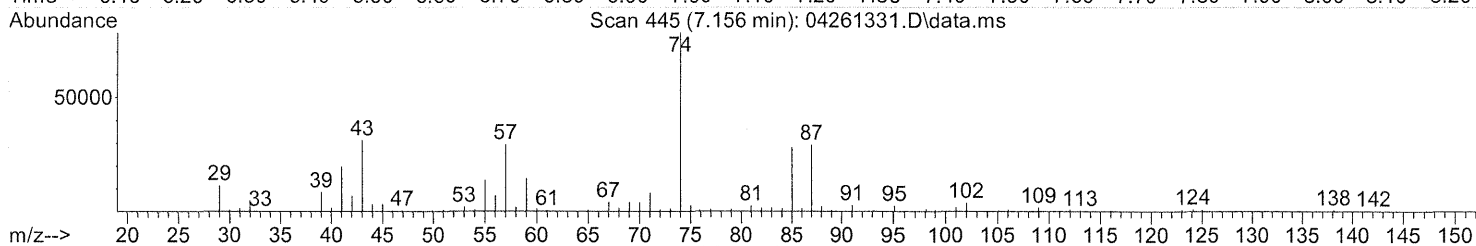
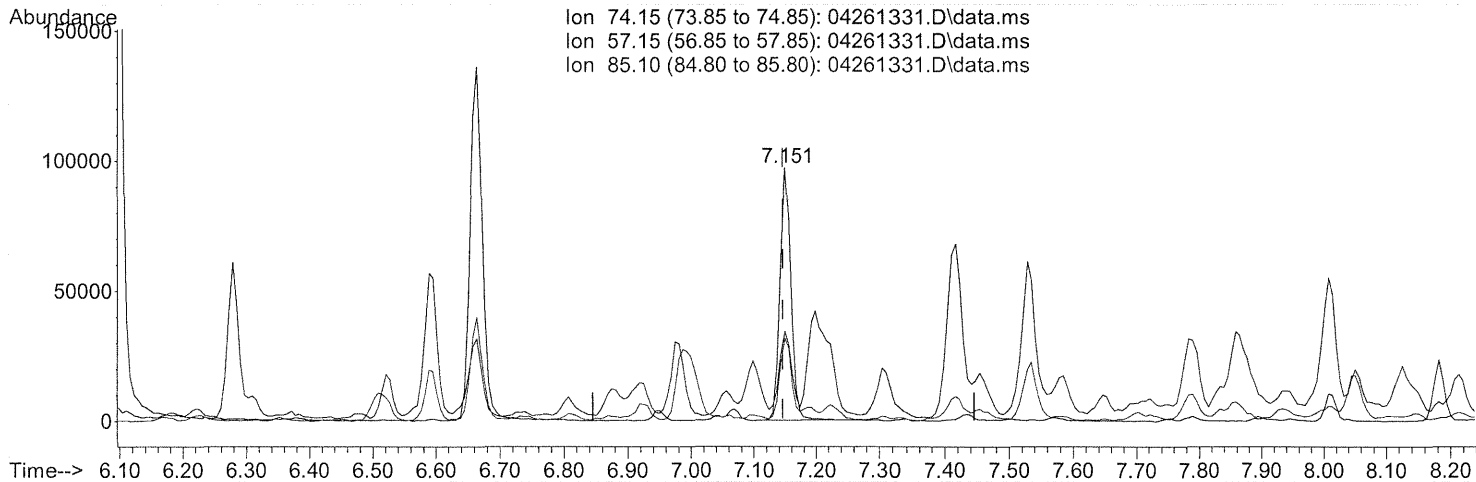
response 1799556

Ion	Exp%	Act%
74.15	100	100
59.05	36.50	33.83
85.10	27.70	28.34
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : J:\MS14\DATA\ACIDS\2013_04\26\
 Data File : 04261331.D
 Acq On : 26 Apr 2013 8:43 pm
 Operator : EI
 Sample : P1301655-004 Front 1.0ml
 Misc :
 ALS Vial : 30 Sample Multiplier: 1

Quant Time: Apr 27 09:01:00 2013
 Quant Method : J:\MS14\METHODS\CA100912E.M
 Quant Title : Short Chain Carboxylic Acids in Air
 QLast Update : Fri Apr 05 11:12:06 2013
 Response via : Initial Calibration



(8) Pentanoic acid (T)

7.154min (+0.007) 7.08ug/ml

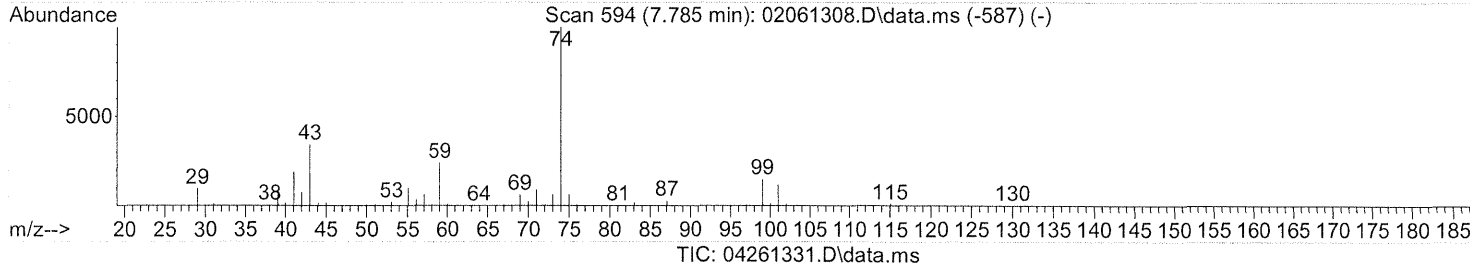
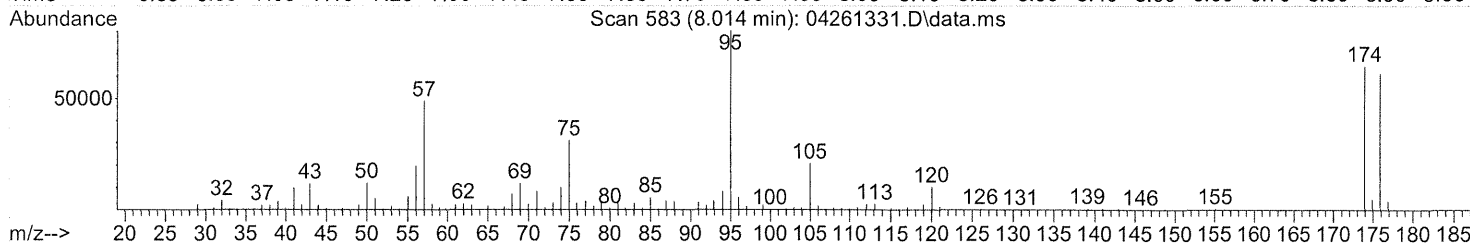
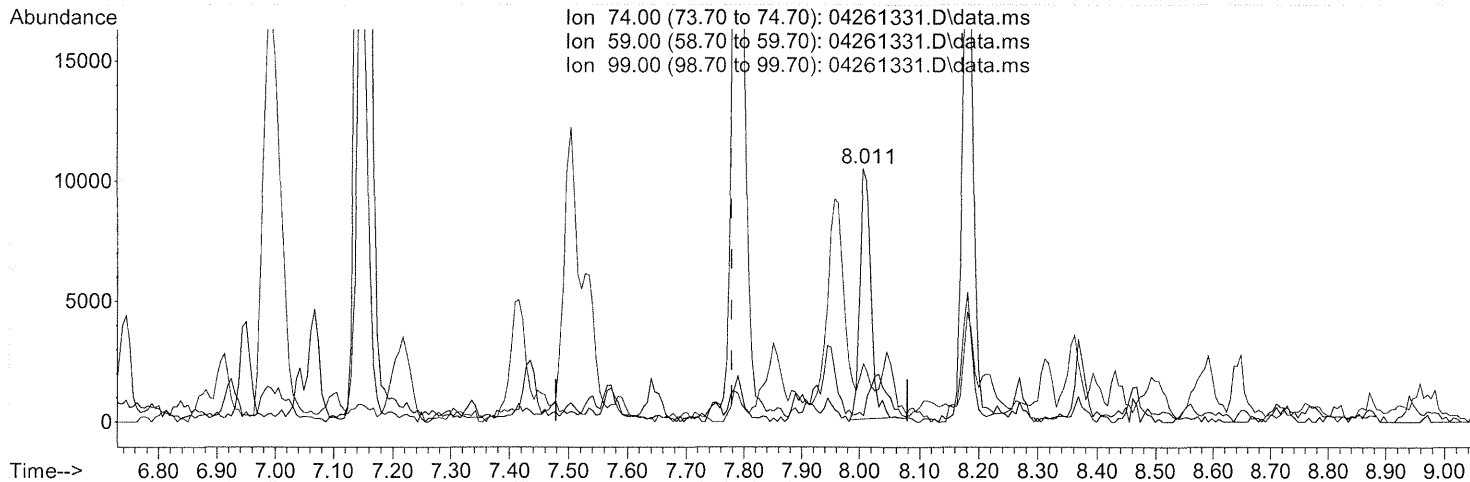
response 1184429

Ion	Exp%	Act%
74.15	100	100
57.15	32.30	38.58
85.10	33.80	29.27
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : J:\MS14\DATA\ACIDS\2013_04\26\
 Data File : 04261331.D
 Acq On : 26 Apr 2013 8:43 pm
 Operator : EI
 Sample : P1301655-004 Front 1.0ml
 Misc :
 ALS Vial : 30 Sample Multiplier: 1

Quant Time: Apr 27 09:01:00 2013
 Quant Method : J:\MS14\METHODS\CA100912E.M
 Quant Title : Short Chain Carboxylic Acids in Air
 QLast Update : Fri Apr 05 11:12:06 2013
 Response via : Initial Calibration



(10) 3-Methylpentanoic acid (T)

8.013min (+0.234) 0.51ug/ml

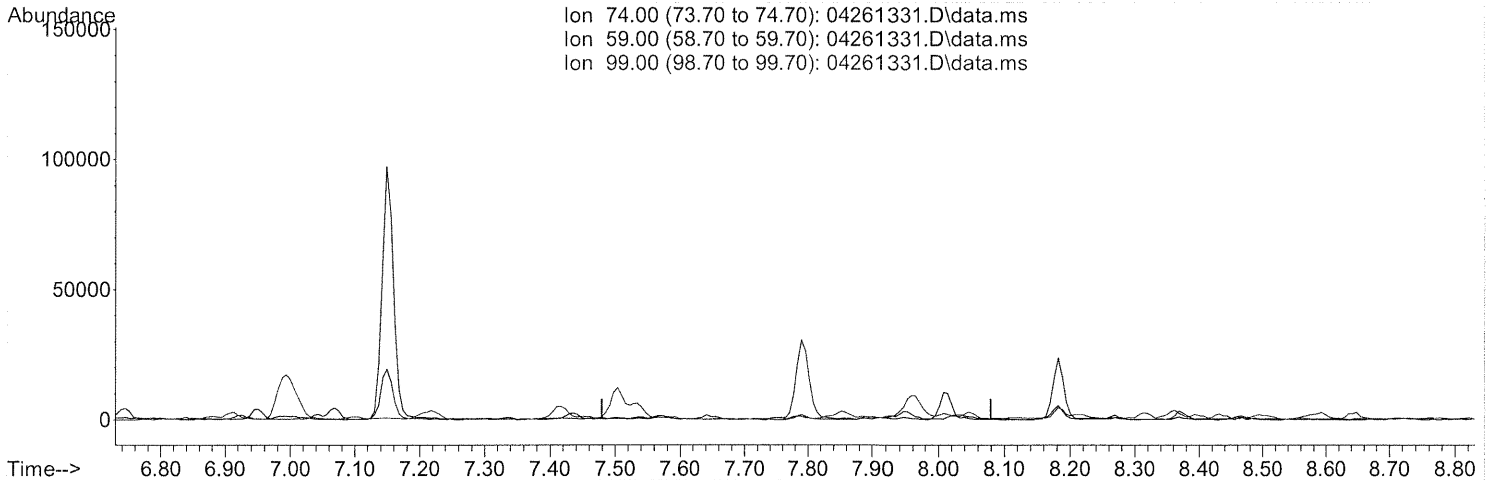
response 132532

Ion	Exp%	Act%
74.00	100	100
59.00	24.00	0.00#
99.00	14.70	115.03#
0.00	0.00	0.00

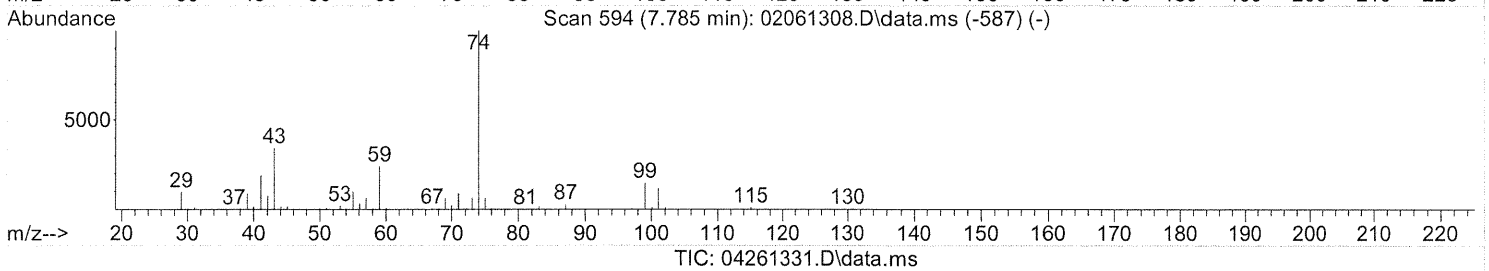
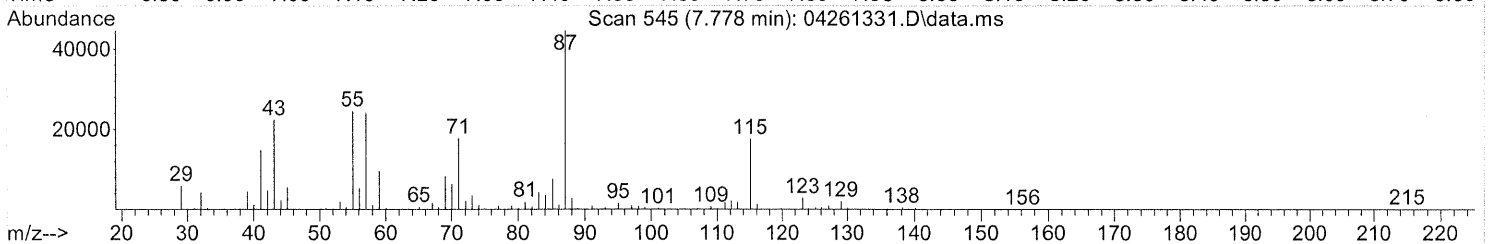
Quantitation Report (Qedit)

Data Path : J:\MS14\DATA\ACIDS\2013_04\26\
 Data File : 04261331.D
 Acq On : 26 Apr 2013 8:43 pm
 Operator : EI
 Sample : P1301655-004 Front 1.0ml
 Misc :
 ALS Vial : 30 Sample Multiplier: 1

Quant Time: Apr 27 09:01:00 2013
 Quant Method : J:\MS14\METHODS\CA100912E.M
 Quant Title : Short Chain Carboxylic Acids in Air
 QLast Update : Fri Apr 05 11:12:06 2013
 Response via : Initial Calibration



Ion 74.00 (73.70 to 74.70): 04261331.D\data.ms
 Ion 59.00 (58.70 to 59.70): 04261331.D\data.ms
 Ion 99.00 (98.70 to 99.70): 04261331.D\data.ms



(10) 3-Methylpentanoic acid (T)

7.780min 0.00ug/ml d

response 0

Ion	Exp%	Act%
74.00	100	0.00
59.00	24.00	0.00
99.00	14.70	0.00
0.00	0.00	0.00

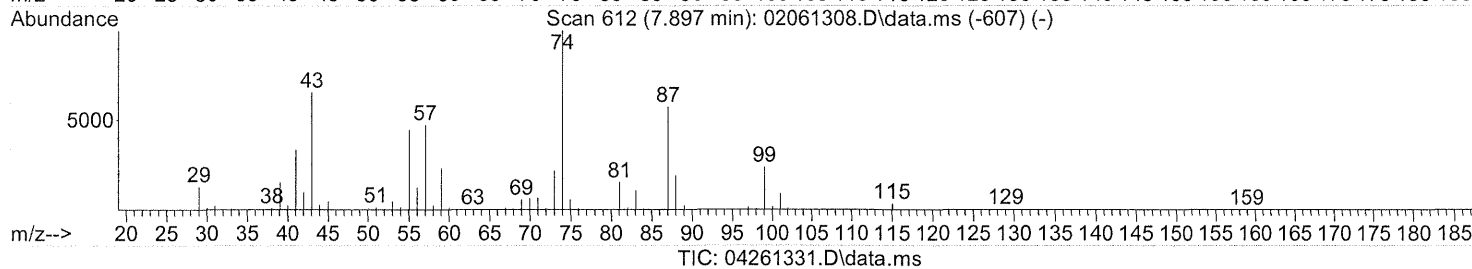
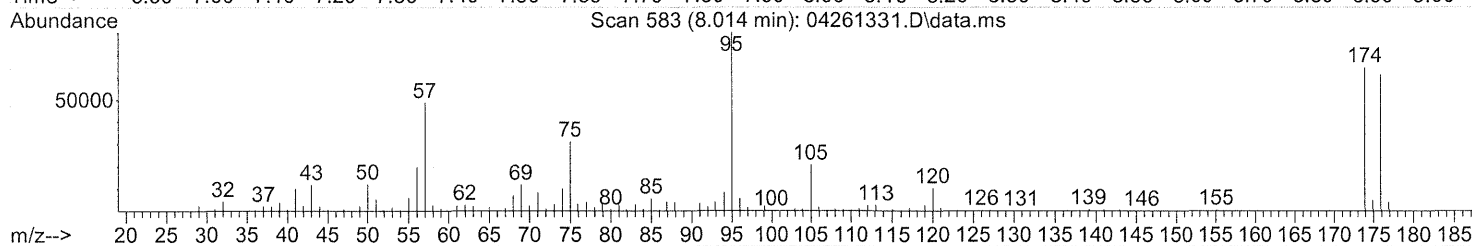
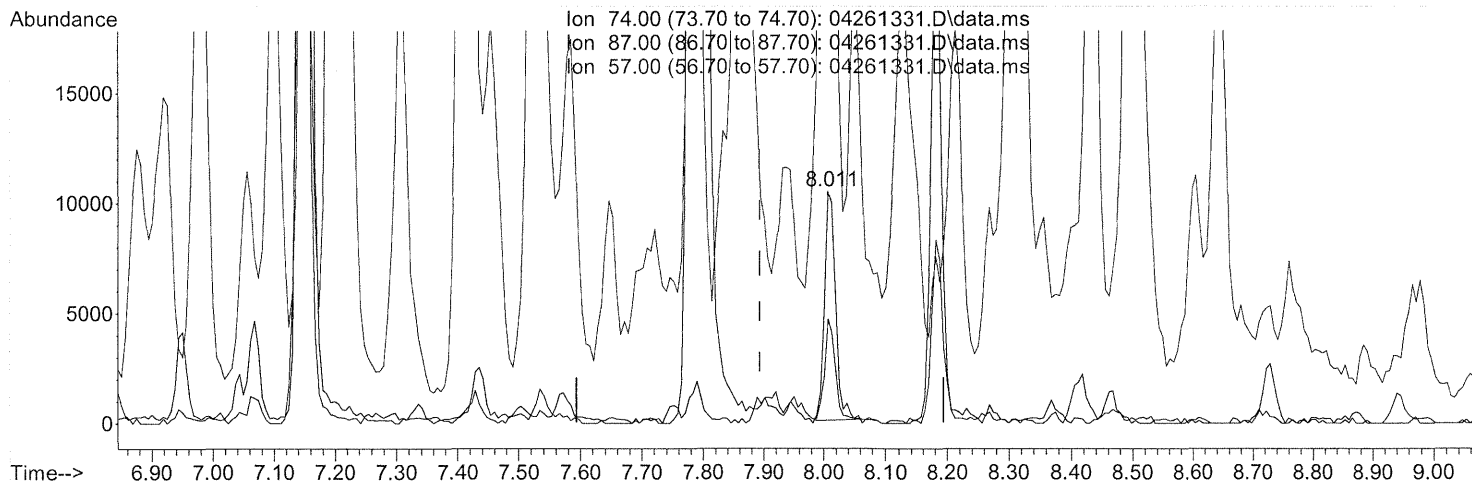
FP 5/1/13
 ET

(Handwritten signature)
 5/1/13

Quantitation Report (Qedit)

Data Path : J:\MS14\DATA\ACIDS\2013_04\26\
 Data File : 04261331.D
 Acq On : 26 Apr 2013 8:43 pm
 Operator : EI
 Sample : P1301655-004 Front 1.0ml
 Misc :
 ALS Vial : 30 Sample Multiplier: 1

Quant Time: Apr 27 09:01:00 2013
 Quant Method : J:\MS14\METHODS\CA100912E.M
 Quant Title : Short Chain Carboxylic Acids in Air
 QLast Update : Fri Apr 05 11:12:06 2013
 Response via : Initial Calibration



(11) 4-Methylpentanoic acid (T)

8.014min (+0.119) 1.00ug/ml

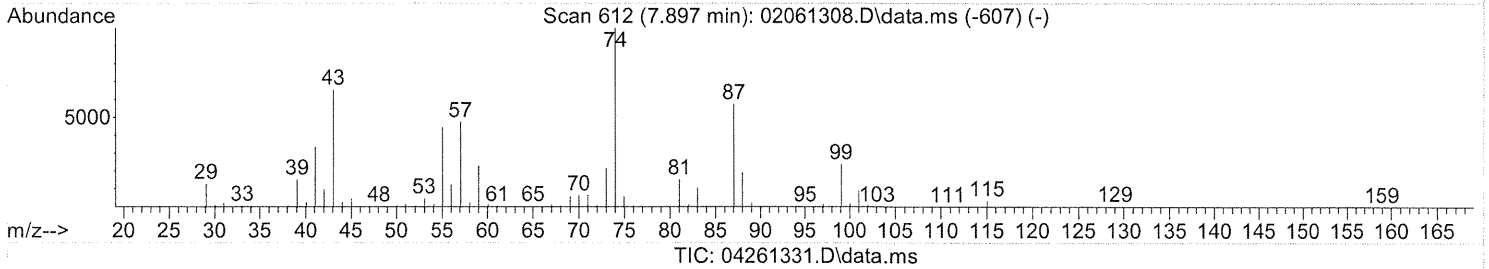
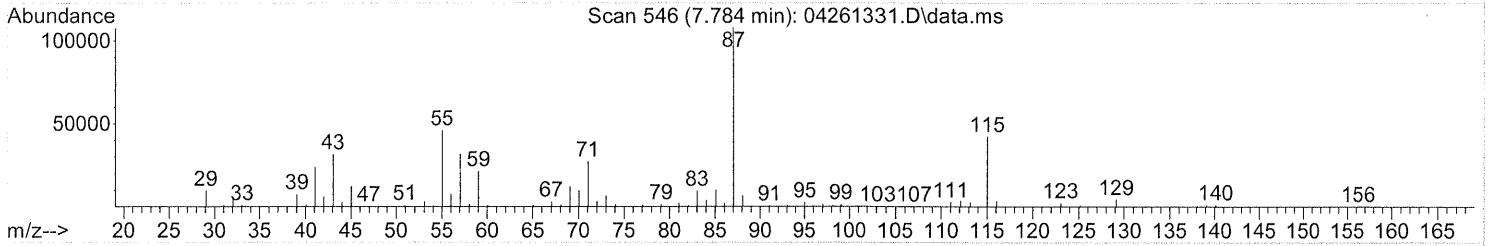
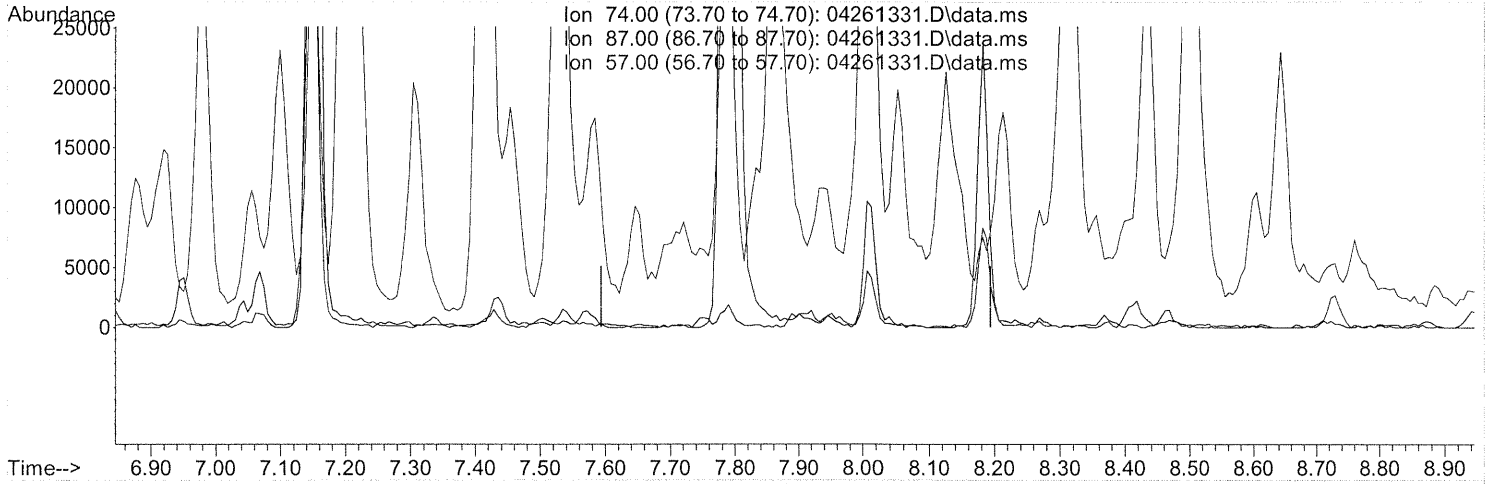
response 132680

Ion	Exp%	Act%
74.00	100	100
87.00	57.30	0.00#
57.00	47.30	639.62#
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : J:\MS14\DATA\ACIDS\2013_04\26\
 Data File : 04261331.D
 Acq On : 26 Apr 2013 8:43 pm
 Operator : EI
 Sample : P1301655-004 Front 1.0ml
 Misc :
 ALS Vial : 30 Sample Multiplier: 1

Quant Time: Apr 27 09:01:00 2013
 Quant Method : J:\MS14\METHODS\CA100912E.M
 Quant Title : Short Chain Carboxylic Acids in Air
 QLast Update : Fri Apr 05 11:12:06 2013
 Response via : Initial Calibration



(11) 4-Methylpentanoic acid (T)

7.894min 0.00ug/ml d

response 0

Ion	Exp%	Act%
74.00	100	0.00
87.00	57.30	0.00
57.00	47.30	0.00
0.00	0.00	0.00

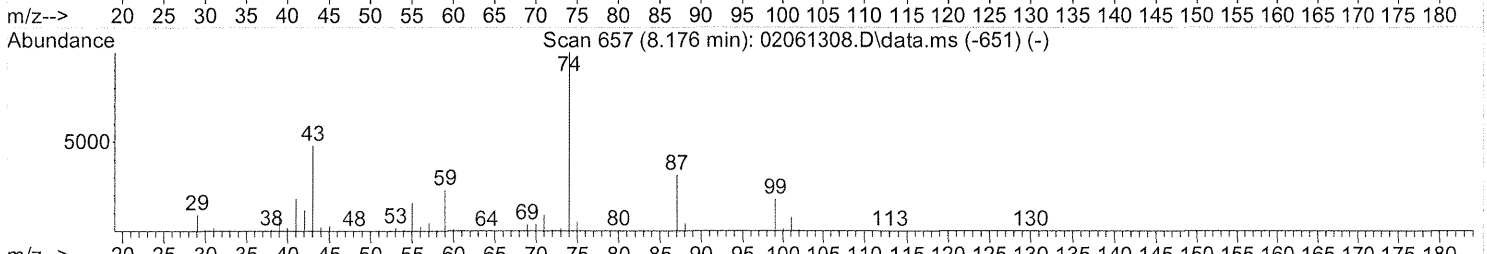
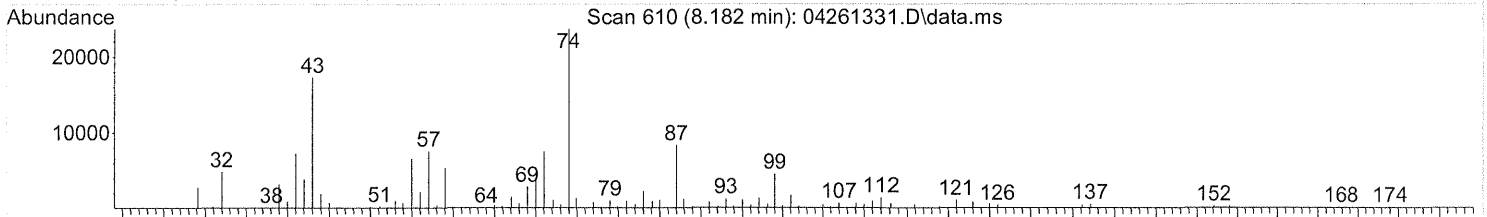
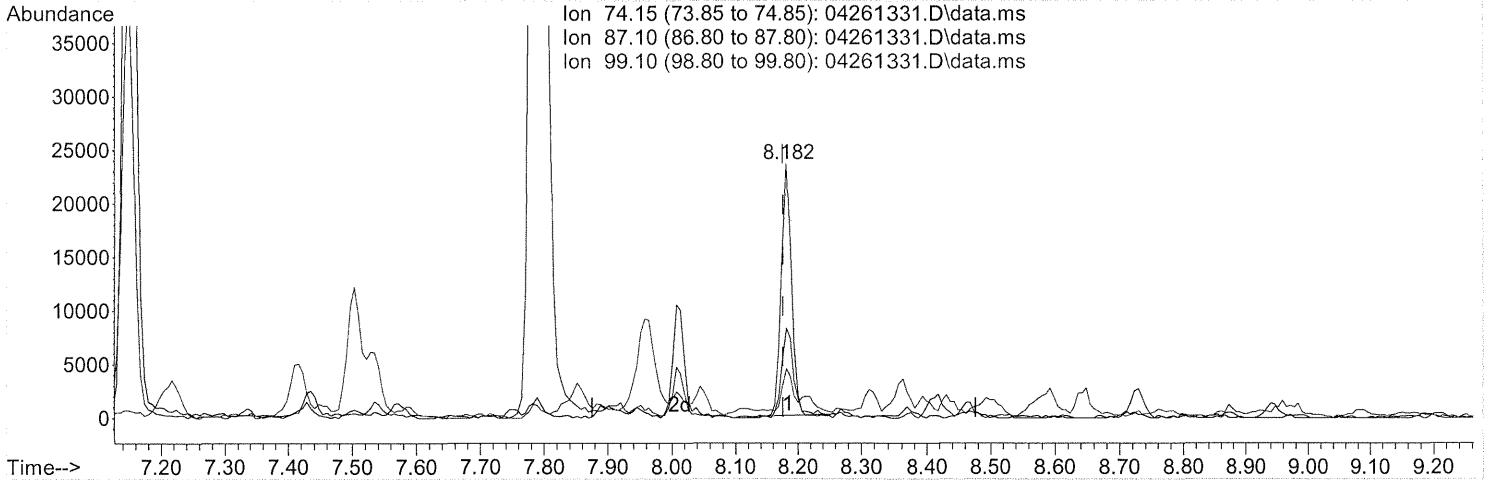
FP 5/1/13
 ET

②
 5/1/13

Quantitation Report (Qedit)

Data Path : J:\MS14\DATA\ACIDS\2013_04\26\
 Data File : 04261331.D
 Acq On : 26 Apr 2013 8:43 pm
 Operator : EI
 Sample : P1301655-004 Front 1.0ml
 Misc :
 ALS Vial : 30 Sample Multiplier: 1

Quant Time: Apr 27 09:01:00 2013
 Quant Method : J:\MS14\METHODS\CA100912E.M
 Quant Title : Short Chain Carboxylic Acids in Air
 QLast Update : Fri Apr 05 11:12:06 2013
 Response via : Initial Calibration



TIC: 04261331.D\data.ms

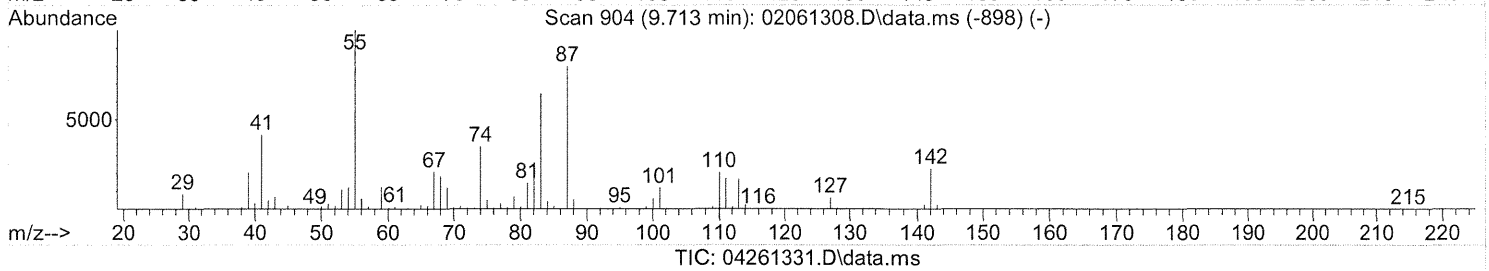
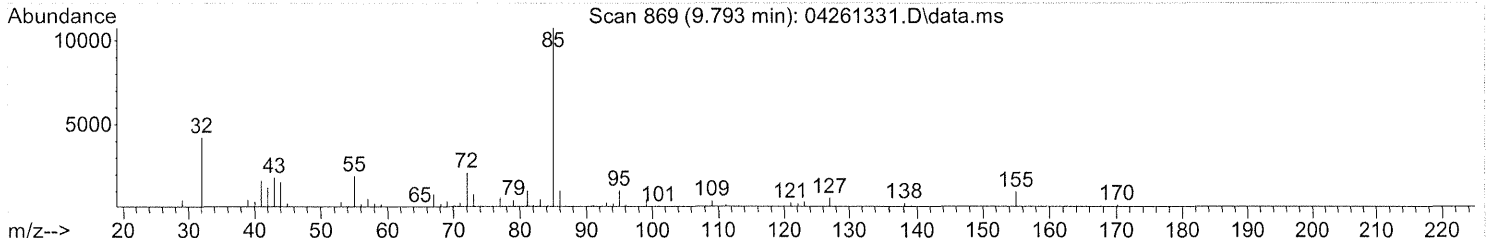
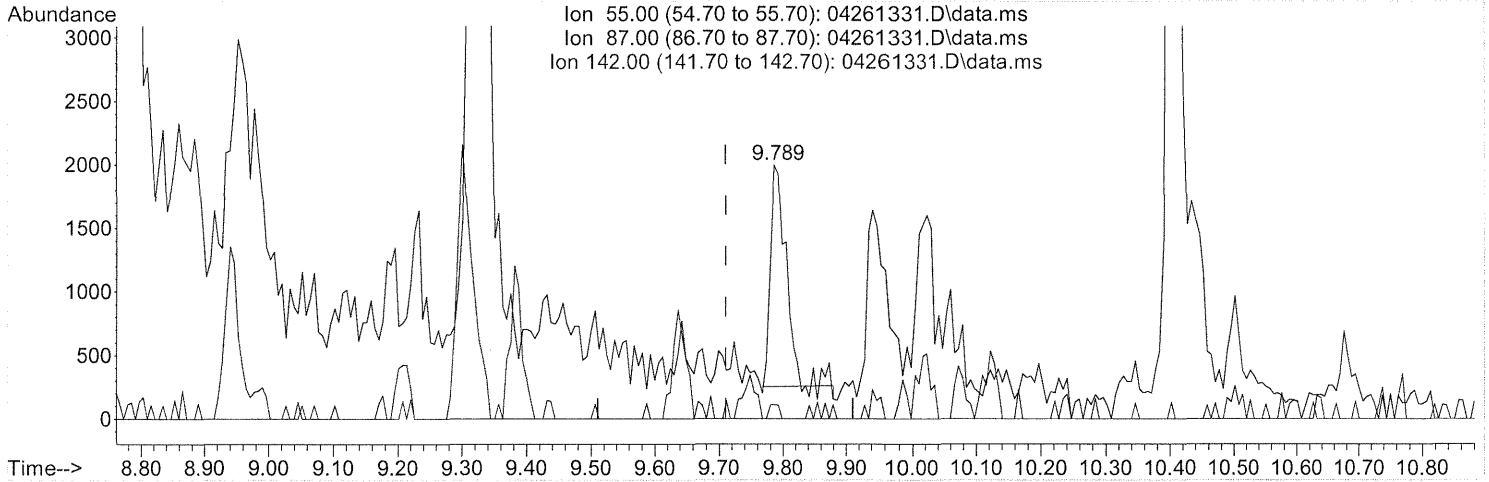
(12) Hexanoic acid (T)
 8.185min (+0.008) 1.19ug/ml
 response 270534

Ion	Exp%	Act%
74.15	100	100
87.10	31.40	41.75
99.10	17.80	0.00
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : J:\MS14\DATA\ACIDS\2013_04\26\
 Data File : 04261331.D
 Acq On : 26 Apr 2013 8:43 pm
 Operator : EI
 Sample : P1301655-004 Front 1.0ml
 Misc :
 ALS Vial : 30 Sample Multiplier: 1

Quant Time: Apr 27 09:01:00 2013
 Quant Method : J:\MS14\METHODS\CA100912E.M
 Quant Title : Short Chain Carboxylic Acids in Air
 QLast Update : Fri Apr 05 11:12:06 2013
 Response via : Initial Calibration



(16) Cyclohexanecarboxylic acid (T)

9.792min (+0.081) 0.27ug/ml

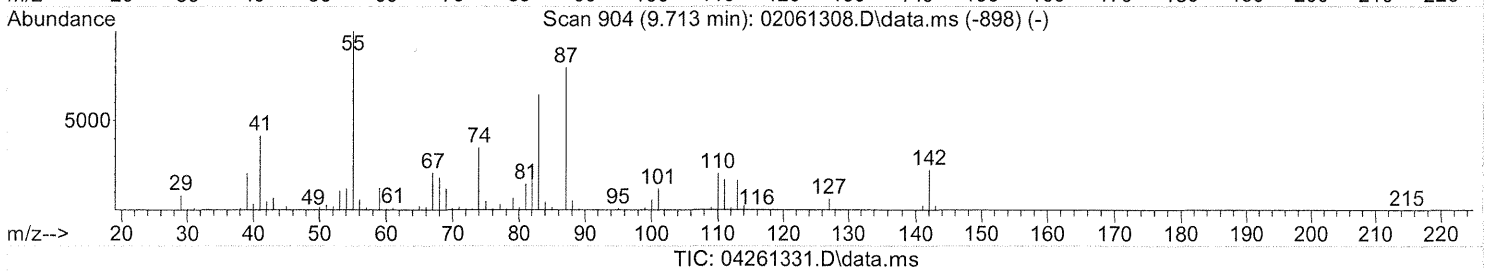
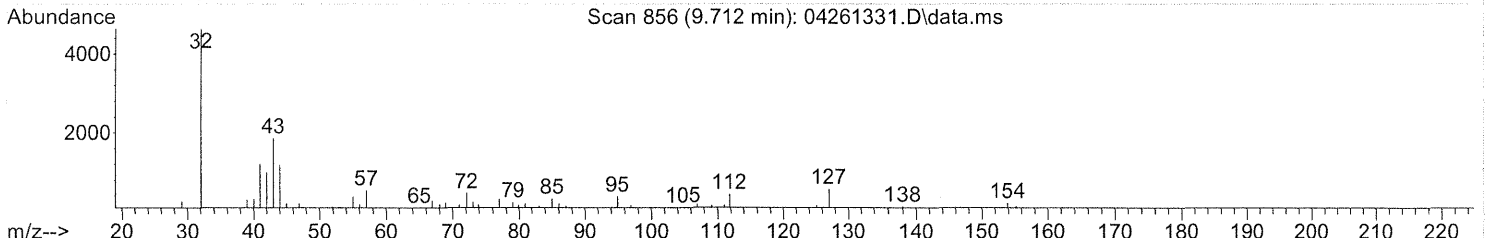
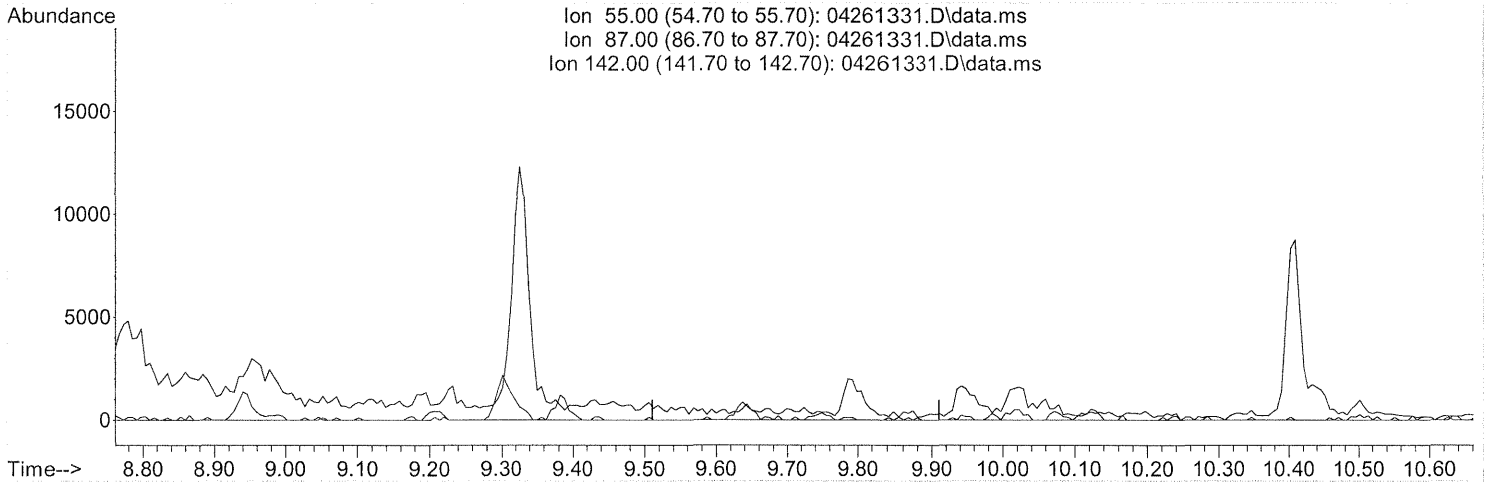
response 30073

Ion	Exp%	Act%
55.00	100	100
87.00	79.60	0.00#
142.00	22.30	0.00#
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : J:\MS14\DATA\ACIDS\2013_04\26\
 Data File : 04261331.D
 Acq On : 26 Apr 2013 8:43 pm
 Operator : EI
 Sample : P1301655-004 Front 1.0ml
 Misc :
 ALS Vial : 30 Sample Multiplier: 1

Quant Time: Apr 27 09:01:00 2013
 Quant Method : J:\MS14\METHODS\CA100912E.M
 Quant Title : Short Chain Carboxylic Acids in Air
 QLast Update : Fri Apr 05 11:12:06 2013
 Response via : Initial Calibration



(16) Cyclohexanecarboxylic acid (T)

9.711min 0.00ug/ml d

response 0

Ion	Exp%	Act%
55.00	100	0.00
87.00	79.60	0.00
142.00	22.30	0.00
0.00	0.00	0.00

FD 5/1/13

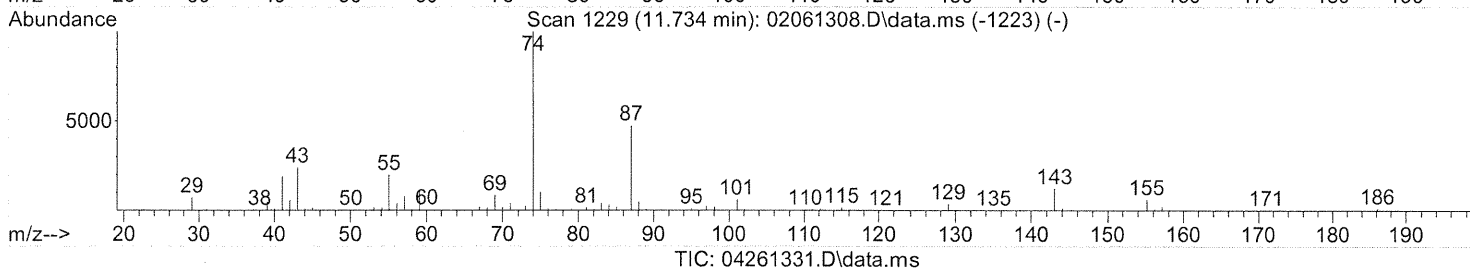
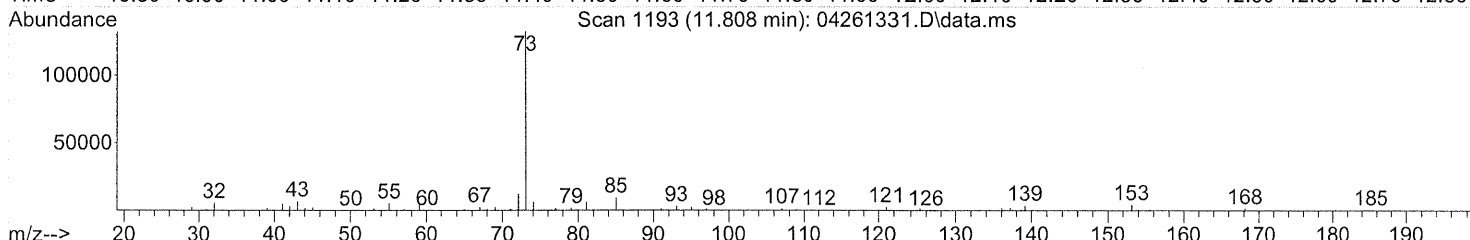
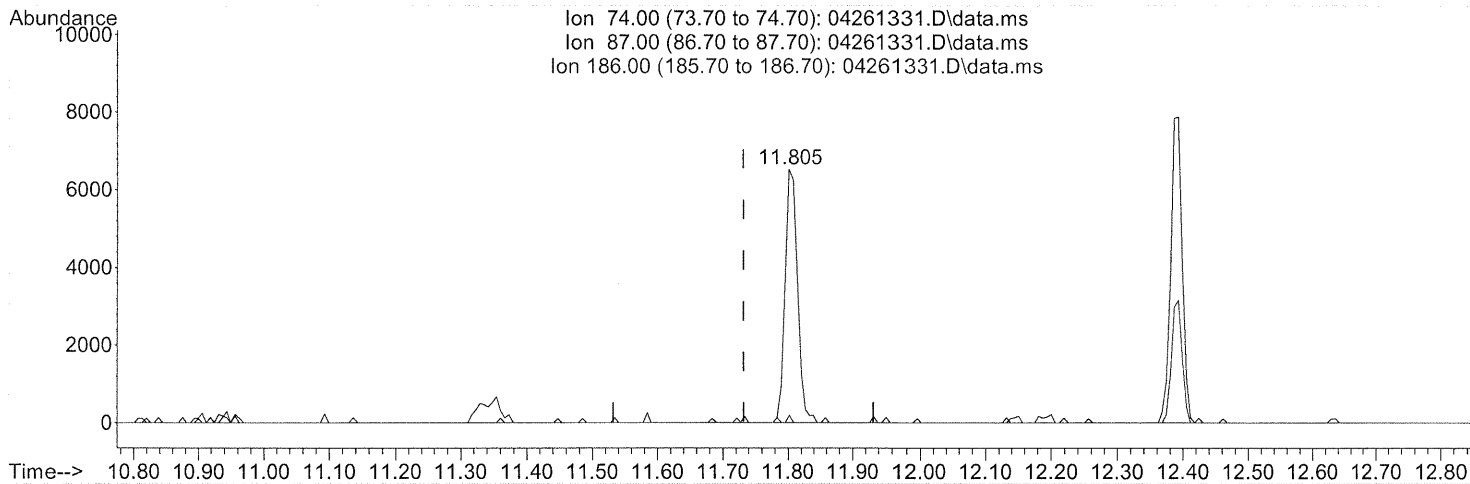
EI

5/1/13

Quantitation Report (Qedit)

Data Path : J:\MS14\DATA\ACIDS\2013_04\26\
 Data File : 04261331.D
 Acq On : 26 Apr 2013 8:43 pm
 Operator : EI
 Sample : P1301655-004 Front 1.0ml
 Misc :
 ALS Vial : 30 Sample Multiplier: 1

Quant Time: Apr 27 09:01:00 2013
 Quant Method : J:\MS14\METHODS\CA100912E.M
 Quant Title : Short Chain Carboxylic Acids in Air
 QLast Update : Fri Apr 05 11:12:06 2013
 Response via : Initial Calibration



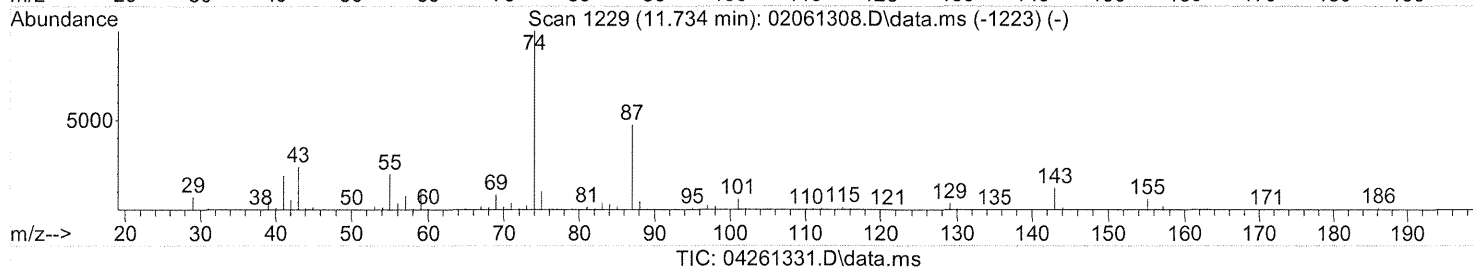
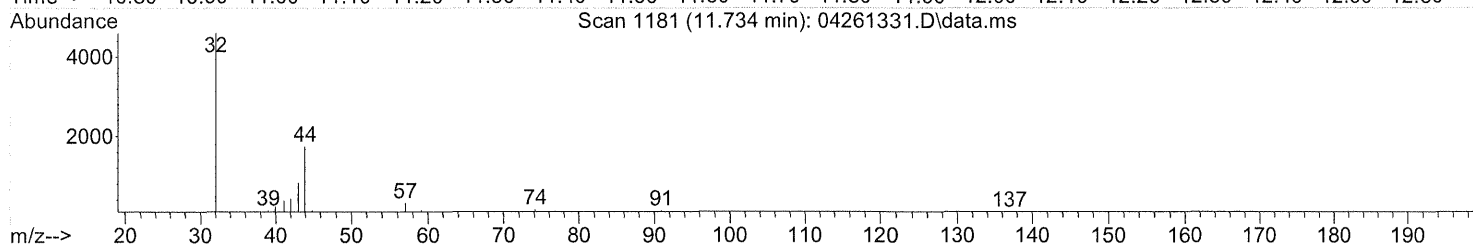
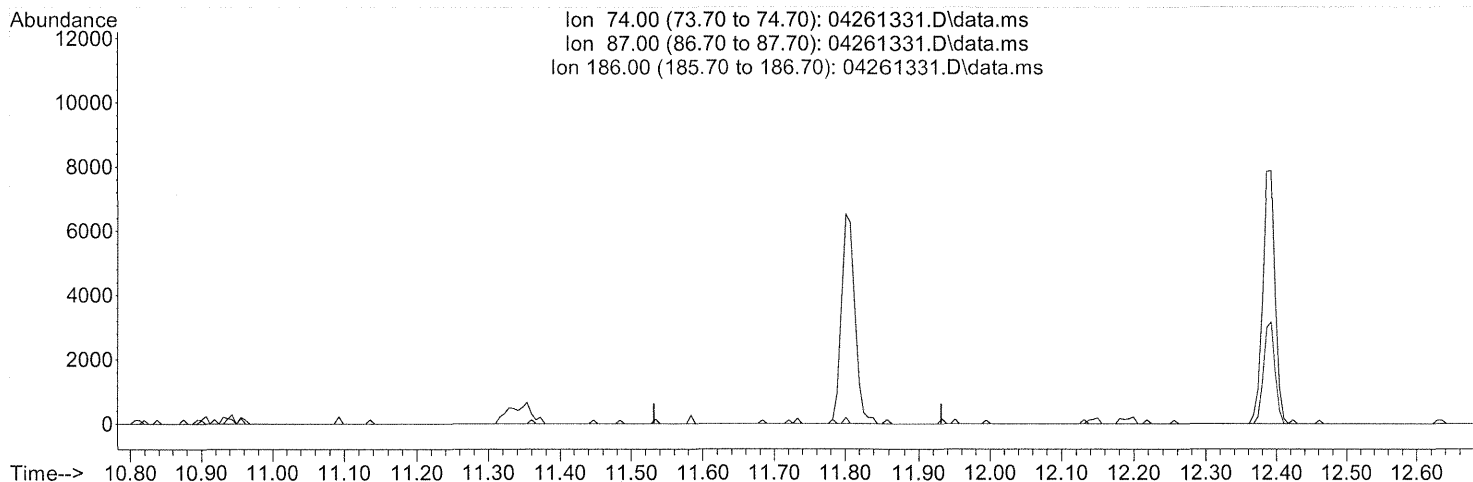
(21) Decanoic Acid (T)
 11.807min (+0.075) 0.34ug/ml
 response 85717

Ion	Exp%	Act%
74.00	100	100
87.00	47.40	0.00#
186.00	1.00	0.00
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : J:\MS14\DATA\ACIDS\2013_04\26\
 Data File : 04261331.D
 Acq On : 26 Apr 2013 8:43 pm
 Operator : EI
 Sample : P1301655-004 Front 1.0ml
 Misc :
 ALS Vial : 30 Sample Multiplier: 1

Quant Time: Apr 27 09:01:00 2013
 Quant Method : J:\MS14\METHODS\CA100912E.M
 Quant Title : Short Chain Carboxylic Acids in Air
 QLast Update : Fri Apr 05 11:12:06 2013
 Response via : Initial Calibration



(21) Decanoic Acid (T)

11.732min 0.00ug/ml d

FP 5/1/13

response 0

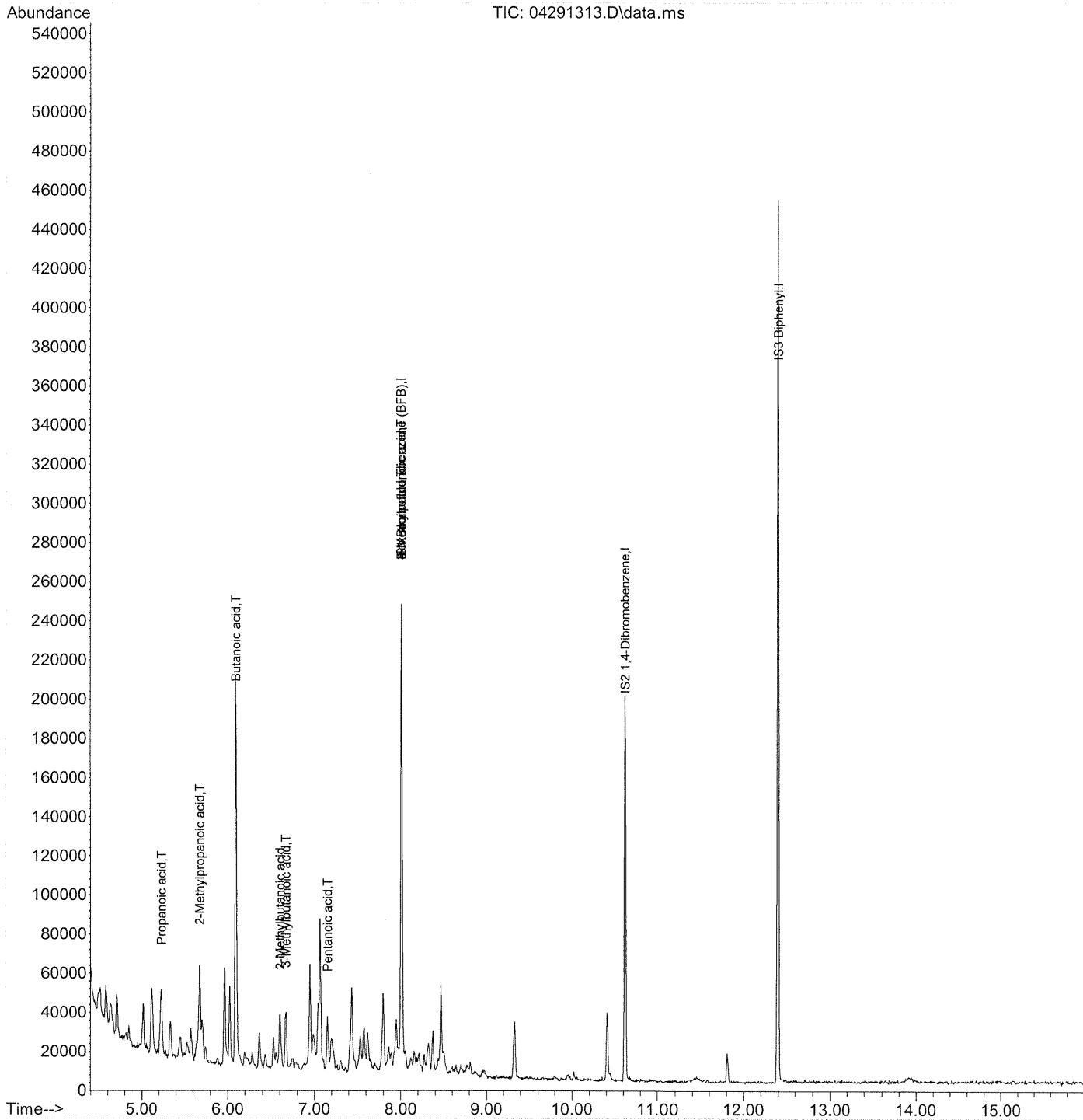
ET

Ion	Exp%	Act%
74.00	100	0.00
87.00	47.40	0.00
186.00	1.00	0.00
0.00	0.00	0.00

Quantitation Report (QT Reviewed)

Data Path : J:\MS14\DATA\ACIDS\2013_04\29\
Data File : 04291313.D
Acq On : 29 Apr 2013 5:32 pm
Operator : EI
Sample : P1301655-004 Front 1.0ml 10x
Misc :
ALS Vial : 12 Sample Multiplier: 1

Quant Time: Apr 30 07:37:03 2013
Quant Method : J:\MS14\METHODS\CA100912E.M
Quant Title : Short Chain Carboxylic Acids in Air
QLast Update : Fri Apr 05 11:12:06 2013
Response via : Initial Calibration



Data Path : J:\MS14\DATA\ACIDS\2013_04\29\
 Data File : 04291313.D
 Acq On : 29 Apr 2013 5:32 pm
 Operator : EI
 Sample : P1301655-004 Front 1.0ml (10x)
 Misc :
 ALS Vial : 12 Sample Multiplier: 1

5/1/13
 LT

Quant Time: Apr 30 07:37:03 2013
 Quant Method : J:\MS14\METHODS\CA100912E.M
 Quant Title : Short Chain Carboxylic Acids in Air
 QLast Update : Fri Apr 05 11:12:06 2013
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev (Min)
1) IS1 Bromofluorobenzene...	8.01	95	564931	10.00	ug/ml	0.00
13) IS2 1,4-Dibromobenzene	10.63	236	424635	10.00	ug/ml	0.00
19) IS3 Biphenyl	12.40	154	1897574	10.00	ug/ml	0.00

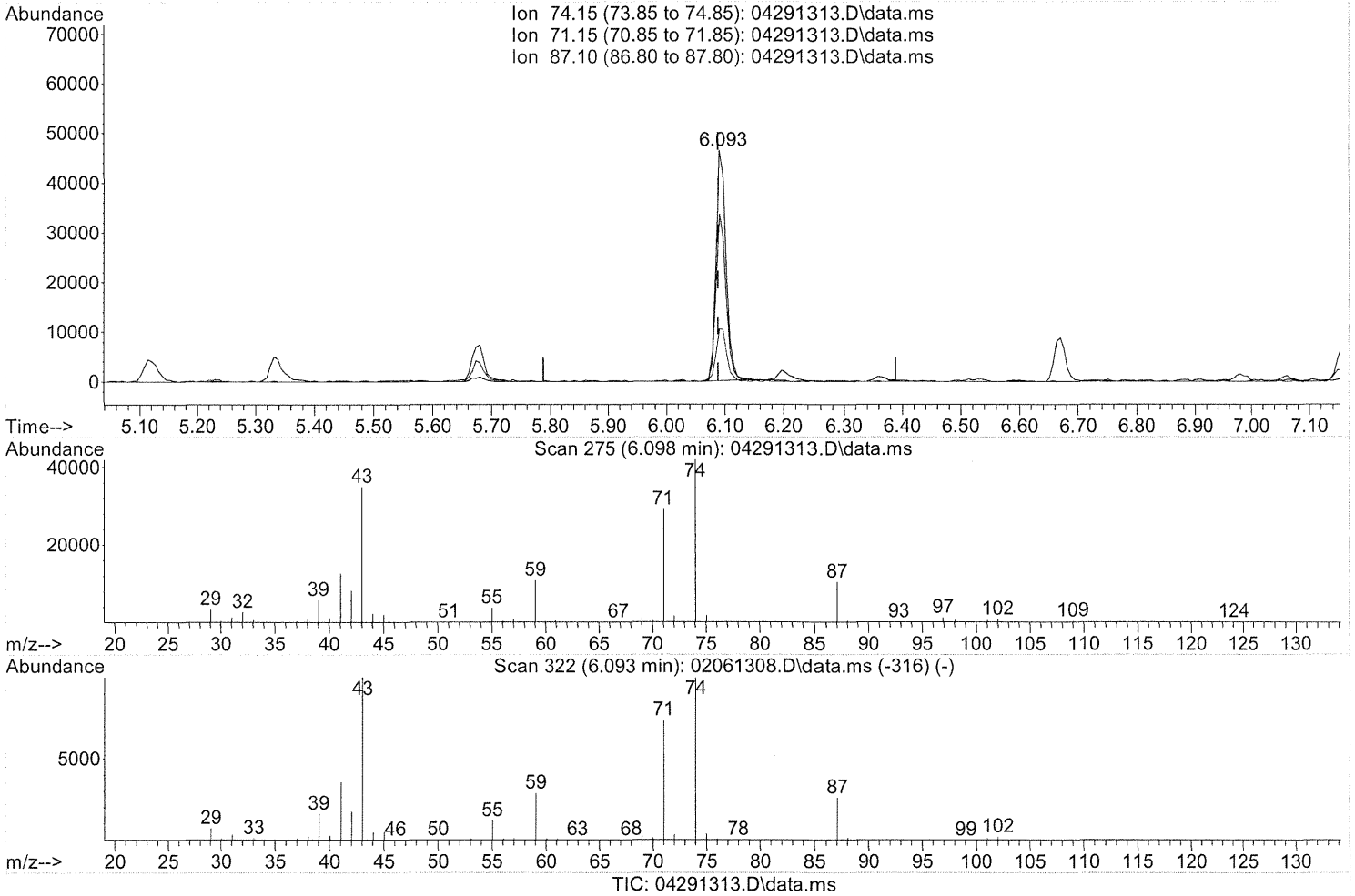
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Acetic acid	0.00	74	0	N.D.		
3) Propanoic acid	5.24	57	177064	4.88	ug/ml	96
4) 2-Methylpropanoic acid	5.68	71	116376	4.19	ug/ml	87
5) Butanoic acid	6.10	74	560851	11.54	ug/ml	99
6) 2-Methylbutanoic acid	6.60	88	53752	0.75	ug/ml#	90
7) 3-Methylbutanoic acid	6.67	74	120356	1.29	ug/ml	95
8) Pentanoic acid	7.16	74	80684	0.87	ug/ml#	47
9) 2-Methylpentanoic acid	0.00	88	0	N.D.		
10) 3-Methylpentanoic acid	8.01	74	78070	0.54	ug/ml#	56
11) 4-Methylpentanoic acid	8.01	74	78069	1.07	ug/ml#	35
12) Hexanoic acid	8.01	74	78075	0.62	ug/ml#	85
14) Heptanoic acid	0.00	74	0	N.D.		
15) 2-Ethylhexanoic acid	0.00	87	0	N.D.		
16) Cyclohexanecarboxylic ...	0.00	55	0	N.D.		
17) Octanoic acid	0.00	74	0	N.D.		
18) Benzoic acid	0.00	105	0	N.D.		
20) Nonanoic acid	0.00	74	0	N.D.		
21) Decanoic Acid	0.00	74	0	N.D.		

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (Qedit)

Data Path : J:\MS14\DATA\ACIDS\2013_04\29\
 Data File : 04291313.D
 Acq On : 29 Apr 2013 5:32 pm
 Operator : EI
 Sample : P1301655-004 Front 1.0ml 10x
 Misc :
 ALS Vial : 12 Sample Multiplier: 1

Quant Time: Apr 30 07:37:03 2013
 Quant Method : J:\MS14\METHODS\CA100912E.M
 Quant Title : Short Chain Carboxylic Acids in Air
 QLast Update : Fri Apr 05 11:12:06 2013
 Response via : Initial Calibration



(5) Butanoic acid (T)

6.096min (+0.007) 11.54ug/ml

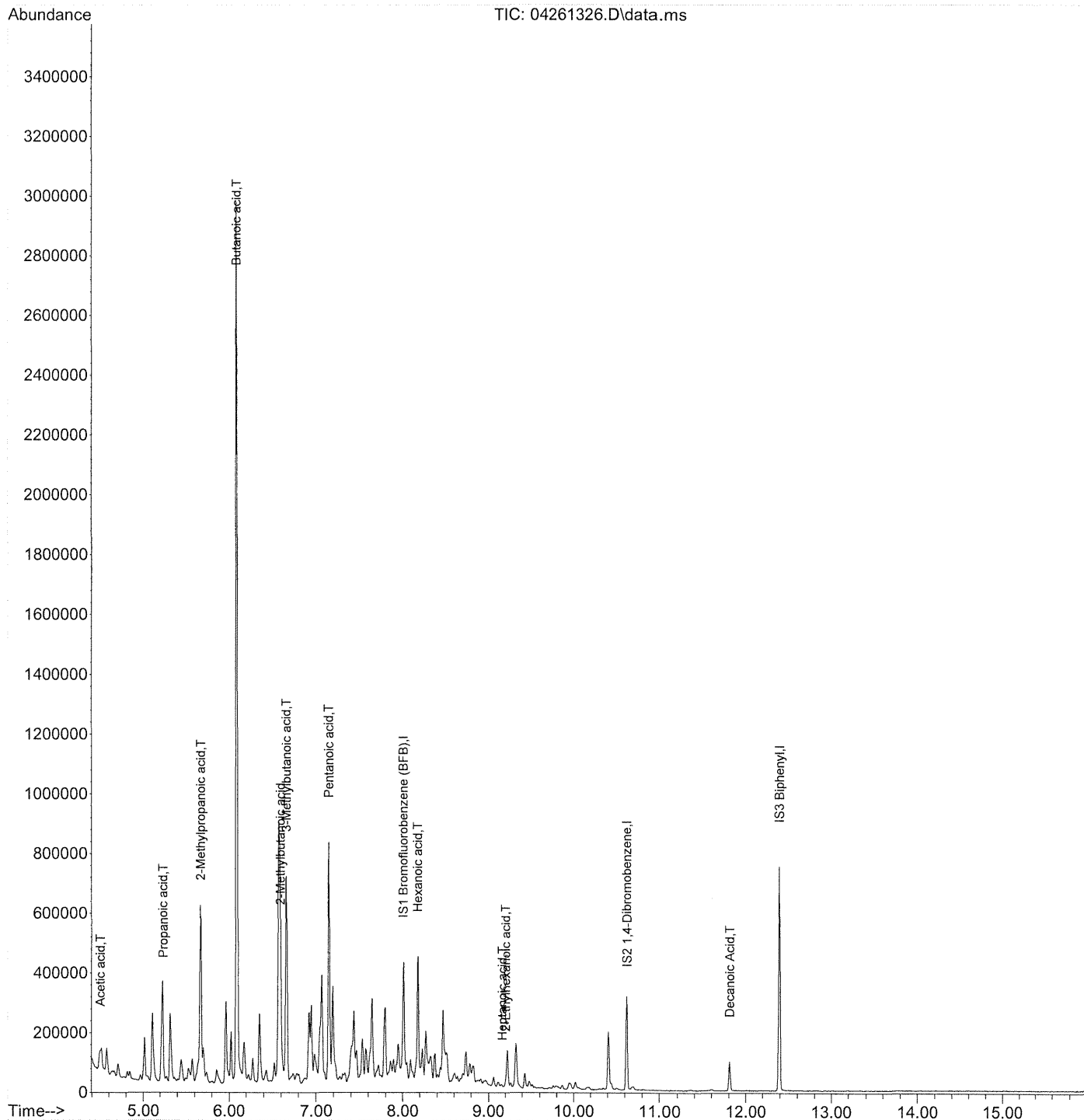
response 560851

Ion	Exp%	Act%
74.15	100	100
71.15	73.60	72.80
87.10	24.00	23.98
0.00	0.00	0.00

Quantitation Report (QT Reviewed)

Data Path : J:\MS14\DATA\ACIDS\2013_04\26\
Data File : 04261326.D
Acq On : 26 Apr 2013 7:00 pm
Operator : EI
Sample : P1301655-004 Back 1.0ml
Misc :
ALS Vial : 25 Sample Multiplier: 1

Quant Time: May 01 12:51:07 2013
Quant Method : J:\MS14\METHODS\CA100912E.M
Quant Title : Short Chain Carboxylic Acids in Air
QLast Update : Fri Apr 05 11:12:06 2013
Response via : Initial Calibration



Quantitation Report (QT Reviewed)

Data Path : J:\MS14\DATA\ACIDS\2013_04\26\
 Data File : 04261326.D
 Acq On : 26 Apr 2013 7:00 pm
 Operator : EI
 Sample : P1301655-004 Back 1.0ml
 Misc :
 ALS Vial : 25 Sample Multiplier: 1

5/1/13
 Et

Quant Time: May 01 12:51:07 2013
 Quant Method : J:\MS14\METHODS\CA100912E.M
 Quant Title : Short Chain Carboxylic Acids in Air
 QLast Update : Fri Apr 05 11:12:06 2013
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) IS1 Bromofluorobenzene...	8.01	95	962167	10.00	ug/ml	0.00
13) IS2 1,4-Dibromobenzene	10.63	236	647516	10.00	ug/ml	0.00
19) IS3 Biphenyl	12.40	154	2990102	10.00	ug/ml	0.00

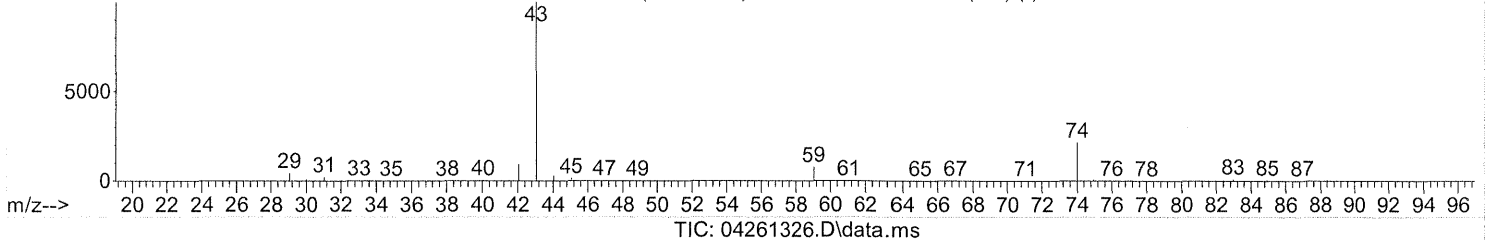
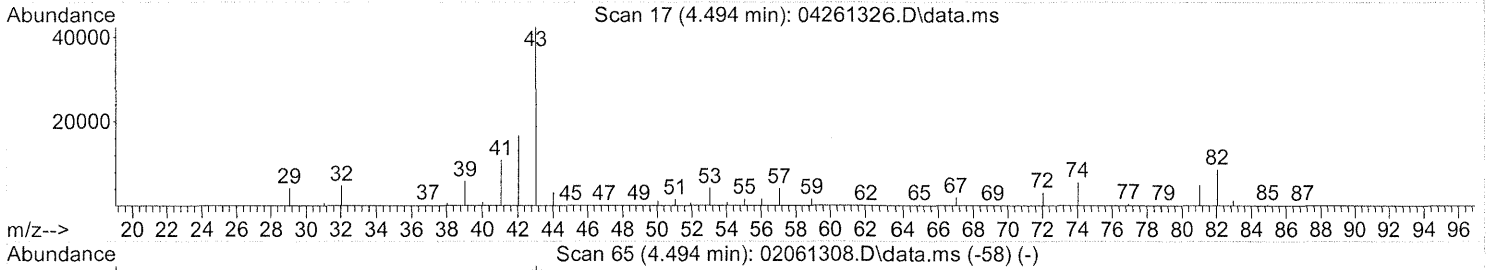
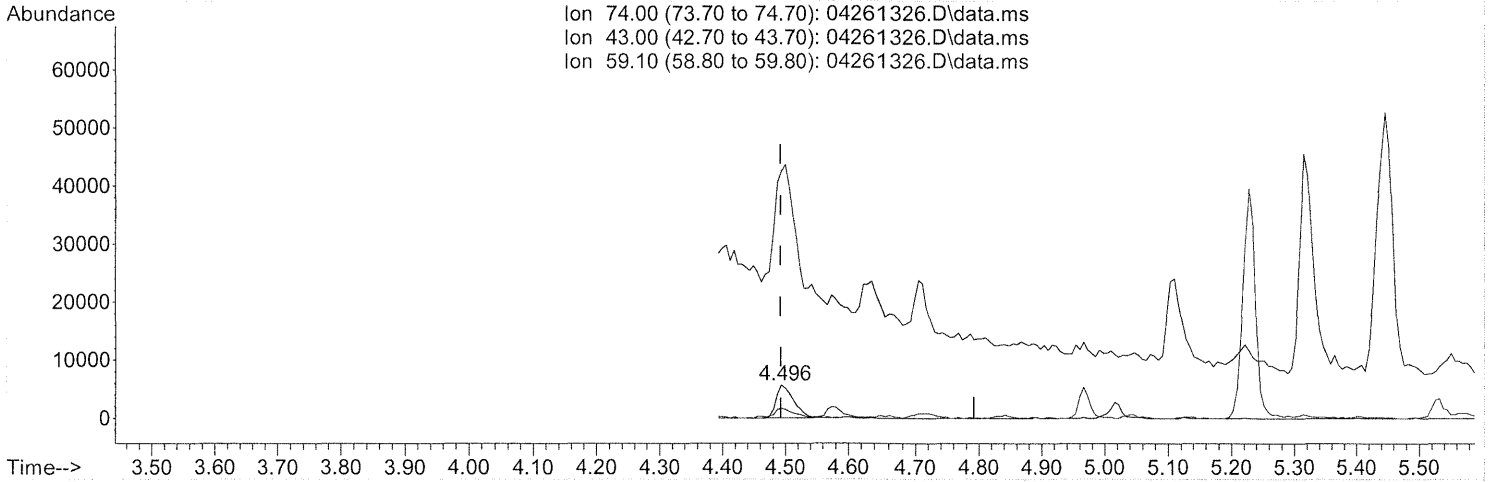
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Acetic acid	4.50	74	110811	13.48	ug/ml#	32
3) Propanoic acid	5.23	57	1726310	27.95	ug/ml	98
4) 2-Methylpropanoic acid	5.68	71	1247346	26.37	ug/ml	97
5) Butanoic acid	6.09	74	8724117	105.41	ug/ml	99
6) 2-Methylbutanoic acid	6.59	88	1112171	9.09	ug/ml	94
7) 3-Methylbutanoic acid	6.66	74	2948731	18.59	ug/ml	95
8) Pentanoic acid	7.15	74	2834201	18.03	ug/ml	94
9) 2-Methylpentanoic acid	0.00	88	0	N.D.	d	
10) 3-Methylpentanoic acid	0.00	74	0	N.D.	d	
11) 4-Methylpentanoic acid	0.00	74	0	N.D.		
12) Hexanoic acid	8.18	74	1657089	7.77	ug/ml	98
14) Heptanoic acid	9.16	74	29750	0.12	ug/ml#	1
15) 2-Ethylhexanoic acid	9.21	87	80159m	0.43	ug/ml	
16) Cyclohexanecarboxylic ...	0.00	55	0	N.D.		
17) Octanoic acid	0.00	74	0	N.D.		
18) Benzoic acid	0.00	105	0	N.D.		
20) Nonanoic acid	0.00	74	0	N.D.		
21) Decanoic Acid	11.81	74	27728	0.11	ug/ml#	31

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (Qedit)

Data Path : J:\MS14\DATA\ACIDS\2013_04\26\
 Data File : 04261326.D
 Acq On : 26 Apr 2013 7:00 pm
 Operator : EI
 Sample : P1301655-004 Back 1.0ml
 Misc :
 ALS Vial : 25 Sample Multiplier: 1

Quant Time: Apr 27 08:49:07 2013
 Quant Method : J:\MS14\METHODS\CA100912E.M
 Quant Title : Short Chain Carboxylic Acids in Air
 QLast Update : Fri Apr 05 11:12:06 2013
 Response via : Initial Calibration



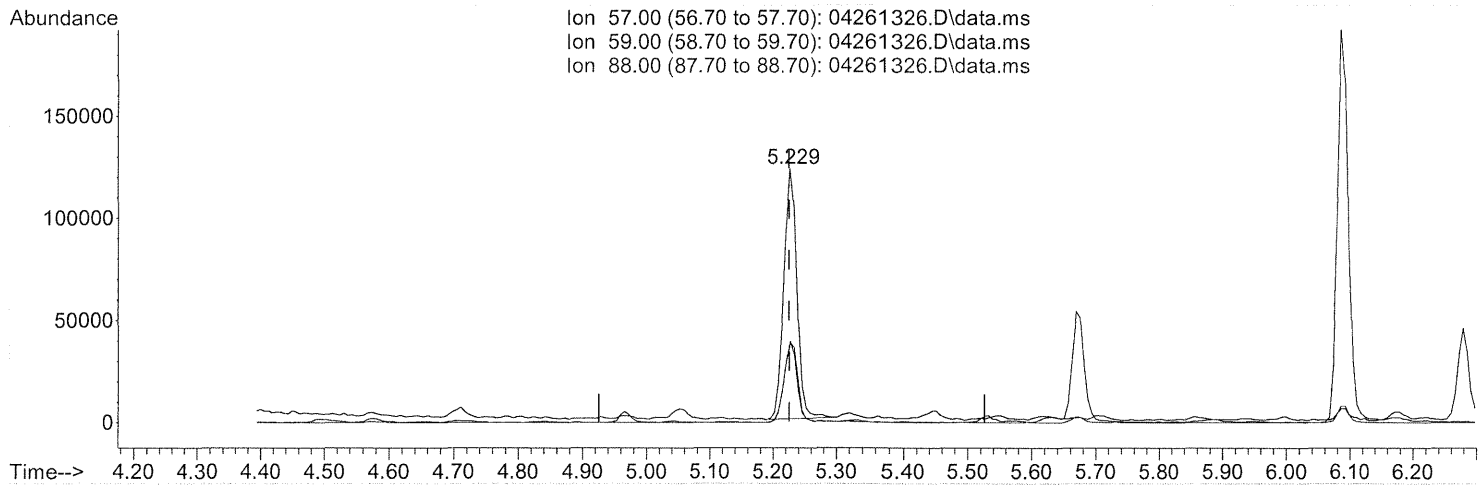
(2) Acetic acid (T)
 4.498min (+0.005) 13.48ug/ml
 response 110811

Ion	Exp%	Act%
74.00	100	100
43.00	609.70	385.16#
59.10	31.40	25.55
0.00	0.00	0.00

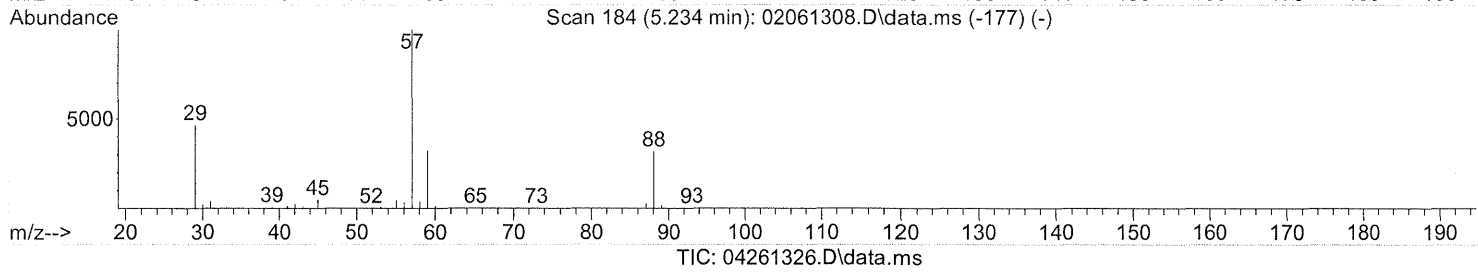
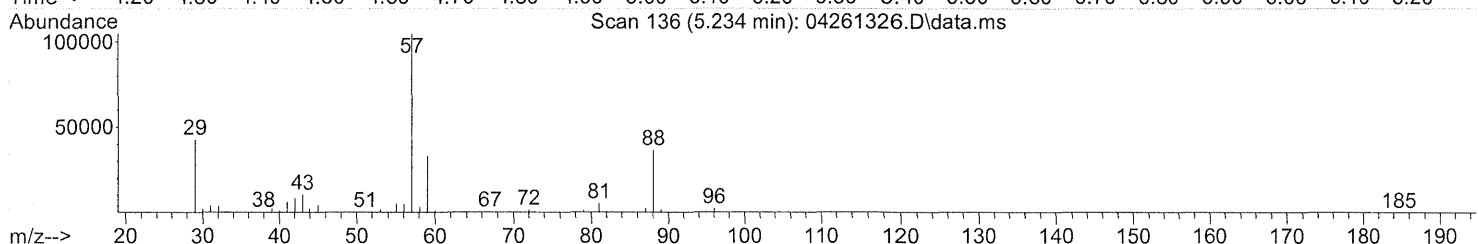
Quantitation Report (Qedit)

Data Path : J:\MS14\DATA\ACIDS\2013_04\26\
 Data File : 04261326.D
 Acq On : 26 Apr 2013 7:00 pm
 Operator : EI
 Sample : P1301655-004 Back 1.0ml
 Misc :
 ALS Vial : 25 Sample Multiplier: 1

Quant Time: Apr 27 08:49:07 2013
 Quant Method : J:\MS14\METHODS\CA100912E.M
 Quant Title : Short Chain Carboxylic Acids in Air
 QLast Update : Fri Apr 05 11:12:06 2013
 Response via : Initial Calibration



Ion 57.00 (56.70 to 57.70): 04261326.D\data.ms
 Ion 59.00 (58.70 to 59.70): 04261326.D\data.ms
 Ion 88.00 (87.70 to 88.70): 04261326.D\data.ms



(3) Propanoic acid (T)

5.232min (+0.005) 27.95ug/ml

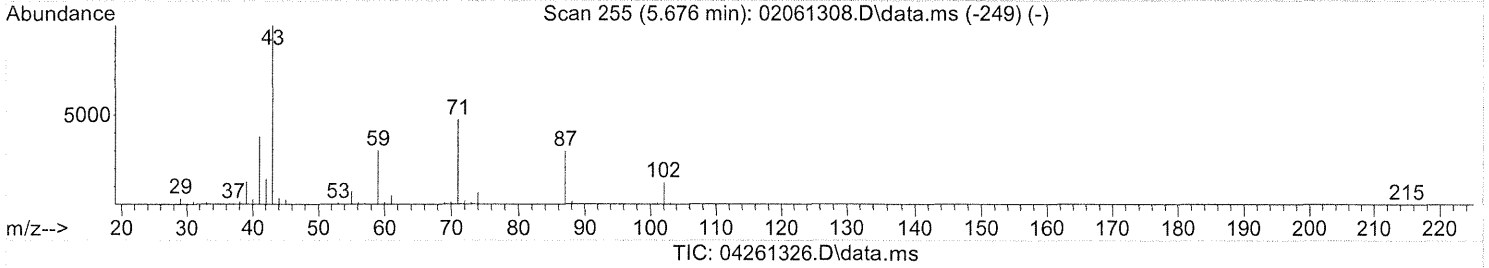
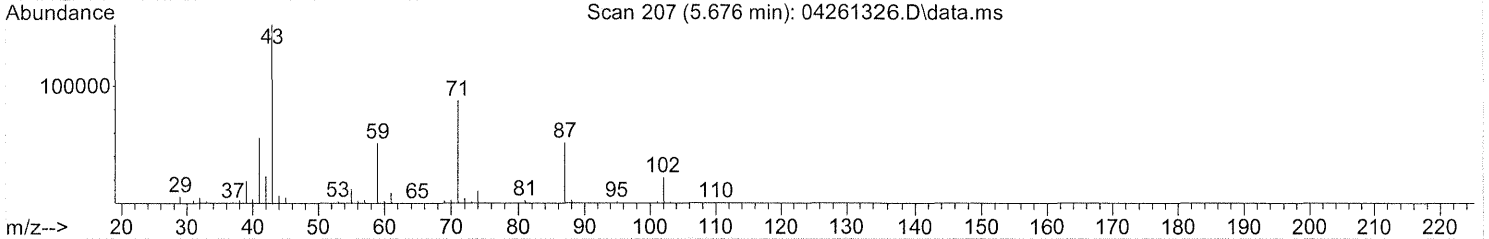
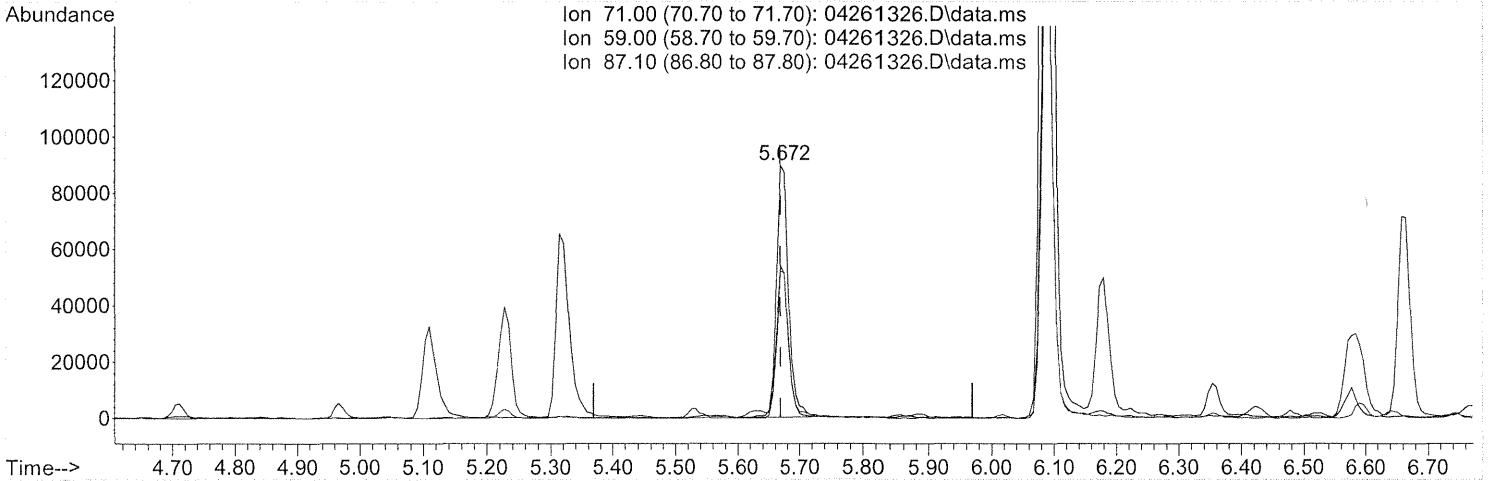
response 1726310

Ion	Exp%	Act%
57.00	100	100
59.00	30.60	31.76
88.00	31.60	33.13
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : J:\MS14\DATA\ACIDS\2013_04\26\
 Data File : 04261326.D
 Acq On : 26 Apr 2013 7:00 pm
 Operator : EI
 Sample : P1301655-004 Back 1.0ml
 Misc :
 ALS Vial : 25 Sample Multiplier: 1

Quant Time: Apr 27 08:49:07 2013
 Quant Method : J:\MS14\METHODS\CA100912E.M
 Quant Title : Short Chain Carboxylic Acids in Air
 QLast Update : Fri Apr 05 11:12:06 2013
 Response via : Initial Calibration



(4) 2-Methylpropanoic acid (T)

5.675min (+0.005) 26.37ug/ml

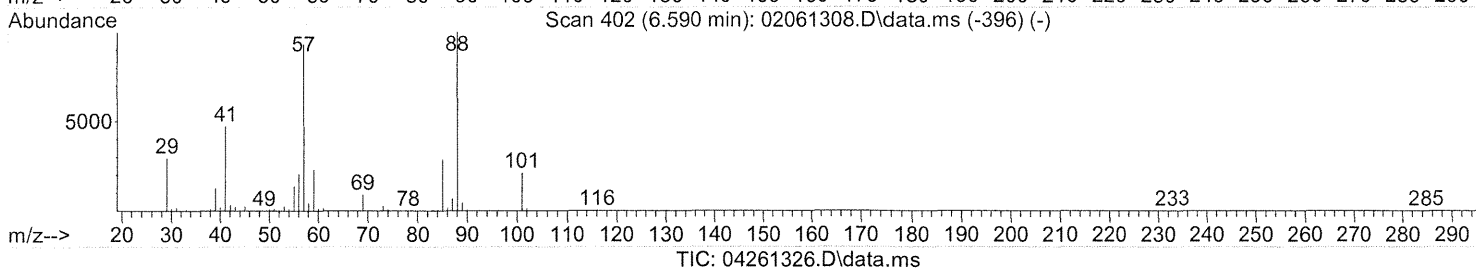
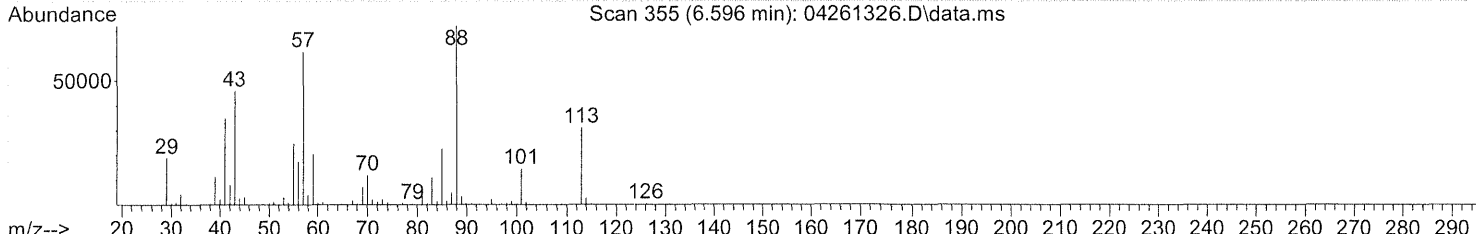
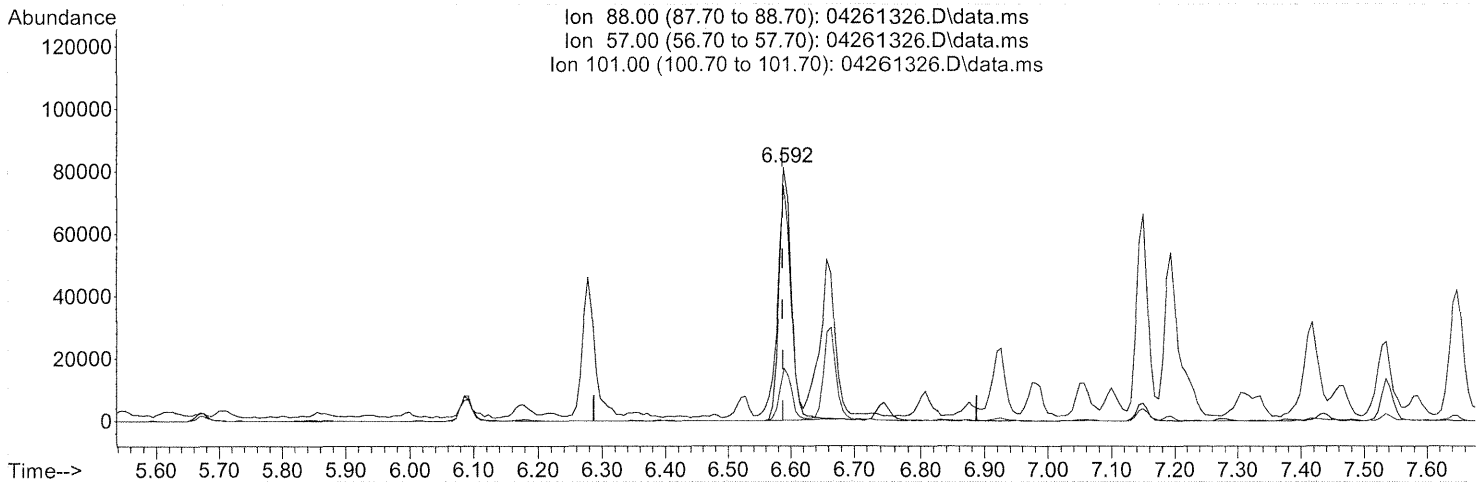
response 1247346

Ion	Exp%	Act%
71.00	100	100
59.00	61.50	58.43
87.10	60.50	58.60
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : J:\MS14\DATA\ACIDS\2013_04\26\
Data File : 04261326.D
Acq On : 26 Apr 2013 7:00 pm
Operator : EI
Sample : P1301655-004 Back 1.0ml
Misc :
ALS Vial : 25 Sample Multiplier: 1

Quant Time: Apr 27 08:49:07 2013
Quant Method : J:\MS14\METHODS\CA100912E.M
Quant Title : Short Chain Carboxylic Acids in Air
QLast Update : Fri Apr 05 11:12:06 2013
Response via : Initial Calibration



(6) 2-Methylbutanoic acid

6.595min (+0.007) 9.09ug/ml

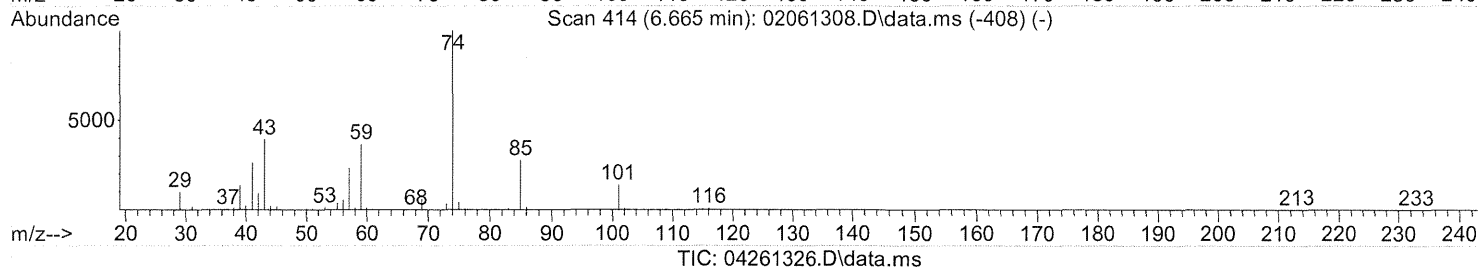
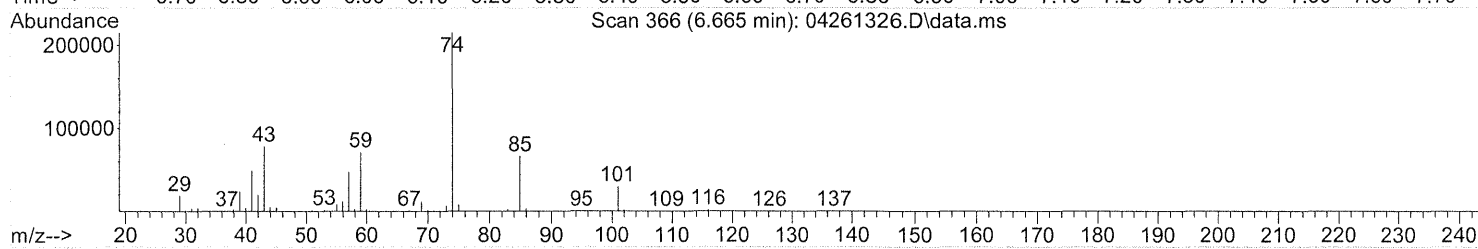
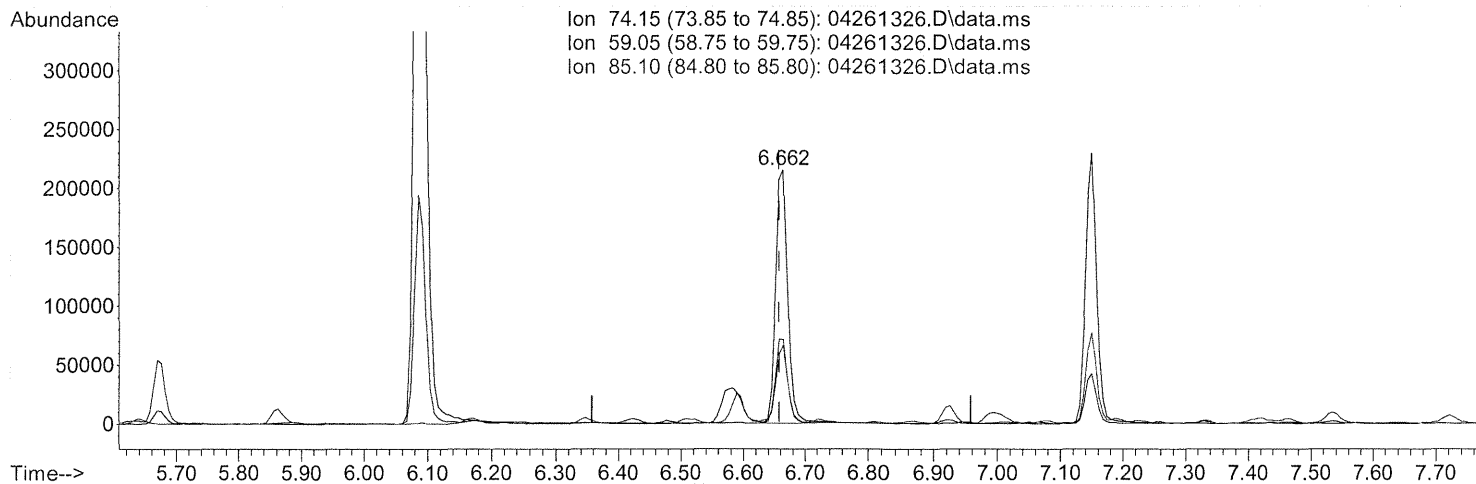
response 1112171

Ion	Exp%	Act%
88.00	100	100
57.00	90.80	97.43
101.00	21.80	20.56
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : J:\MS14\DATA\ACIDS\2013_04\26\
 Data File : 04261326.D
 Acq On : 26 Apr 2013 7:00 pm
 Operator : EI
 Sample : P1301655-004 Back 1.0ml
 Misc :
 ALS Vial : 25 Sample Multiplier: 1

Quant Time: Apr 27 08:49:07 2013
 Quant Method : J:\MS14\METHODS\CA100912E.M
 Quant Title : Short Chain Carboxylic Acids in Air
 QLast Update : Fri Apr 05 11:12:06 2013
 Response via : Initial Calibration



(7) 3-Methylbutanoic acid (T)

6.665min (+0.006) 18.59ug/ml

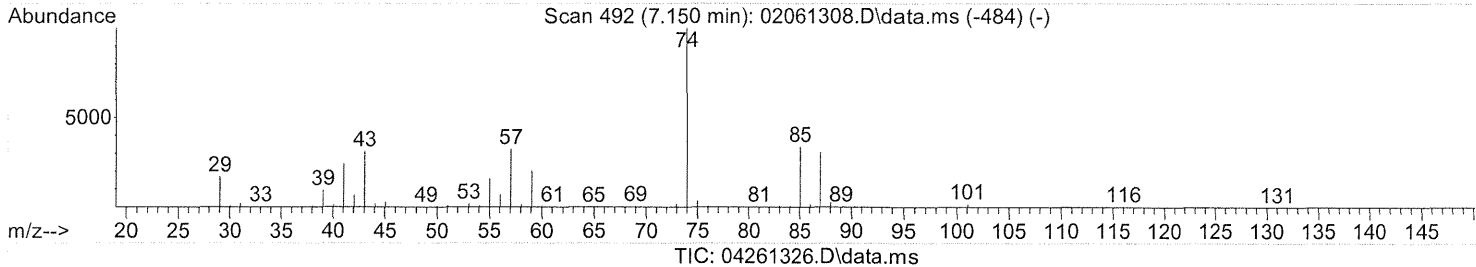
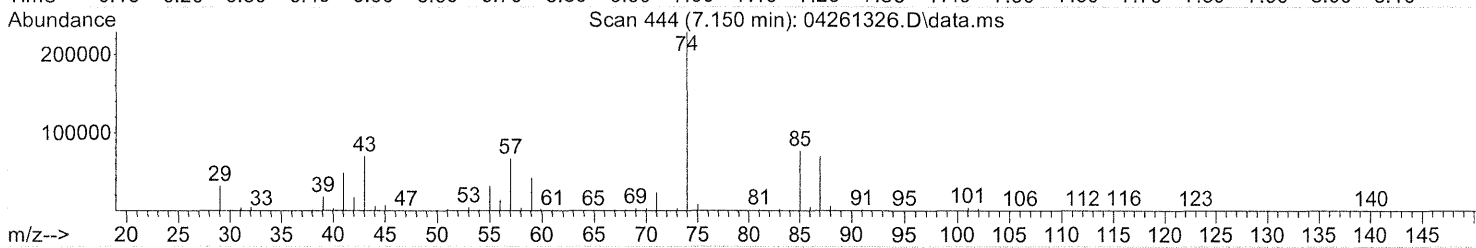
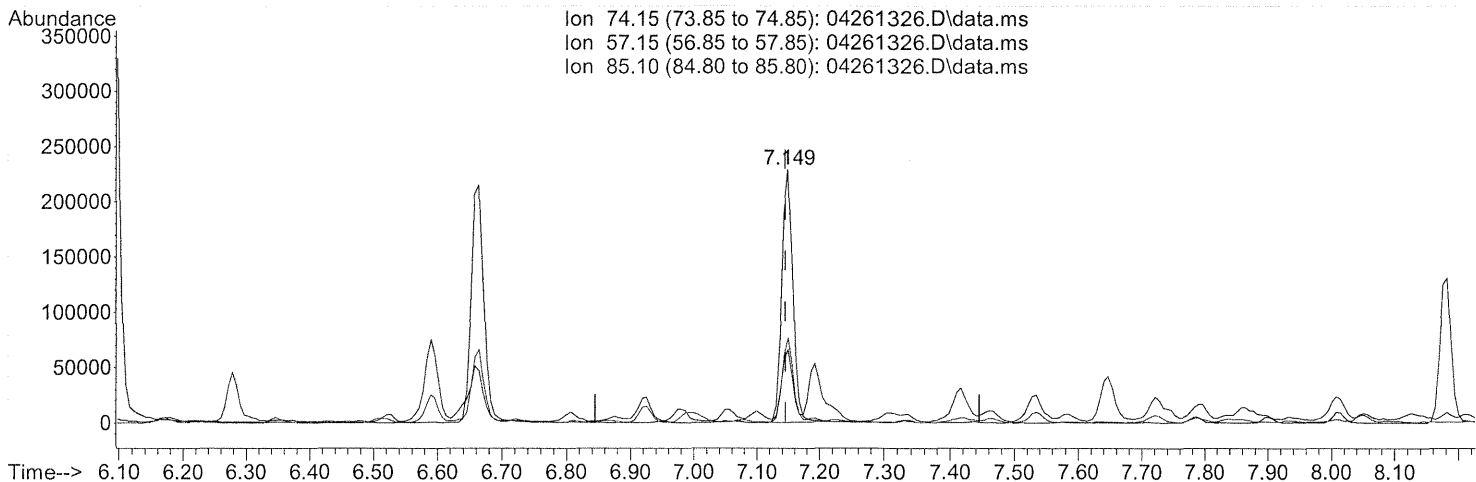
response 2948731

Ion	Exp%	Act%
74.15	100	100
59.05	36.50	33.10
85.10	27.70	29.95
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : J:\MS14\DATA\ACIDS\2013_04\26\
 Data File : 04261326.D
 Acq On : 26 Apr 2013 7:00 pm
 Operator : EI
 Sample : P1301655-004 Back 1.0ml
 Misc :
 ALS Vial : 25 Sample Multiplier: 1

Quant Time: Apr 27 08:49:07 2013
 Quant Method : J:\MS14\METHODS\CA100912E.M
 Quant Title : Short Chain Carboxylic Acids in Air
 QLast Update : Fri Apr 05 11:12:06 2013
 Response via : Initial Calibration



(8) Pentanoic acid (T)

7.152min (+0.005) 18.03ug/ml

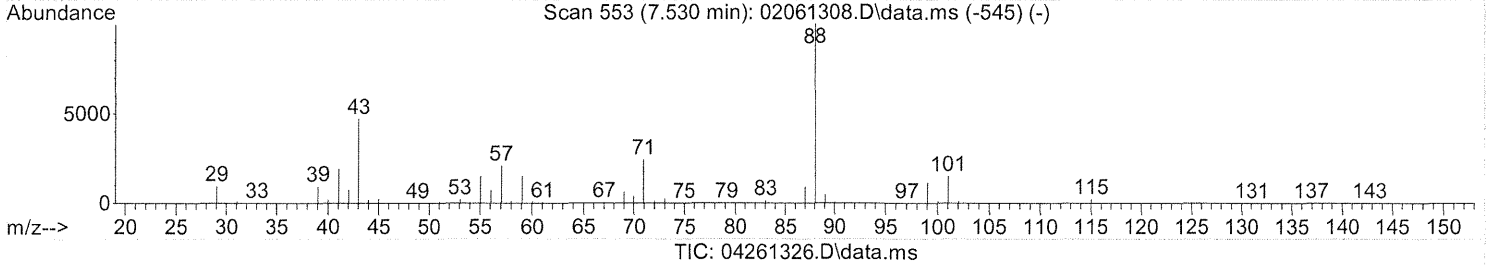
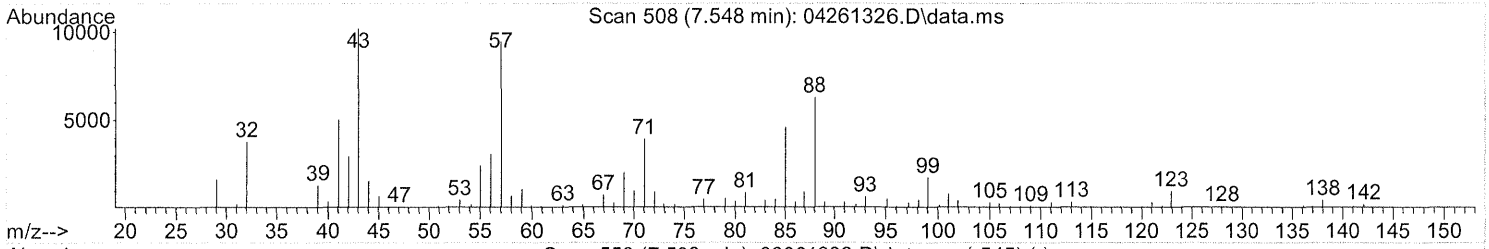
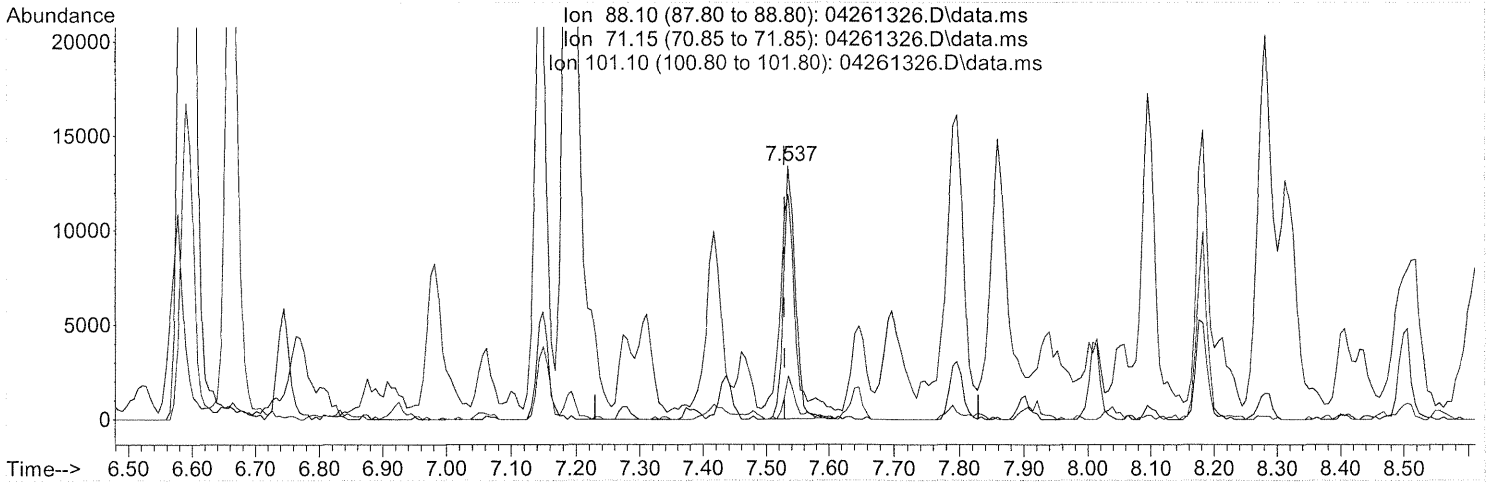
response 2834201

Ion	Exp%	Act%
74.15	100	100
57.15	32.30	28.08
85.10	33.80	31.57
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : J:\MS14\DATA\ACIDS\2013_04\26\
 Data File : 04261326.D
 Acq On : 26 Apr 2013 7:00 pm
 Operator : EI
 Sample : P1301655-004 Back 1.0ml
 Misc :
 ALS Vial : 25 Sample Multiplier: 1

Quant Time: Apr 27 08:49:07 2013
 Quant Method : J:\MS14\METHODS\CA100912E.M
 Quant Title : Short Chain Carboxylic Acids in Air
 QLast Update : Fri Apr 05 11:12:06 2013
 Response via : Initial Calibration



(9) 2-Methylpentanoic acid (T)

7.539min (+0.010) 0.82ug/ml

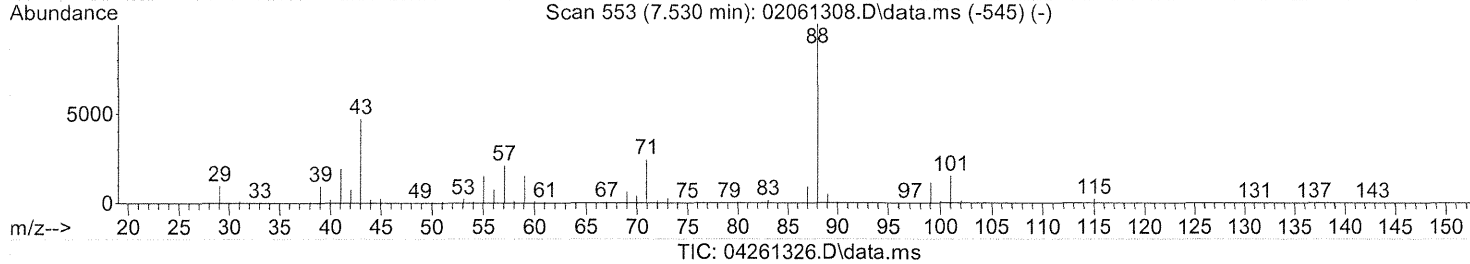
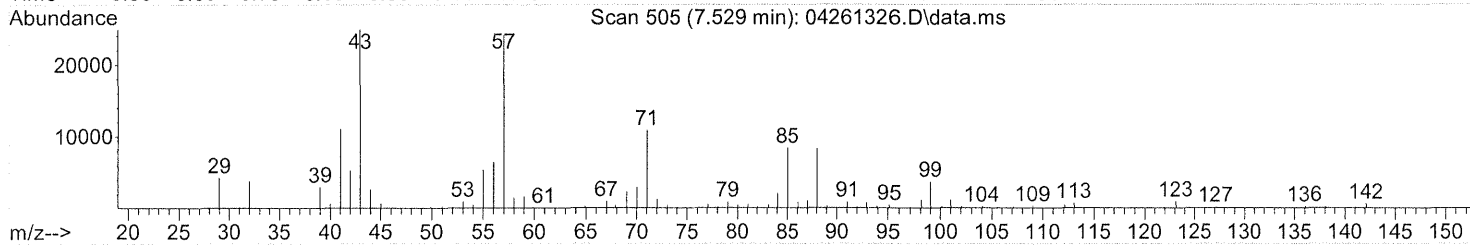
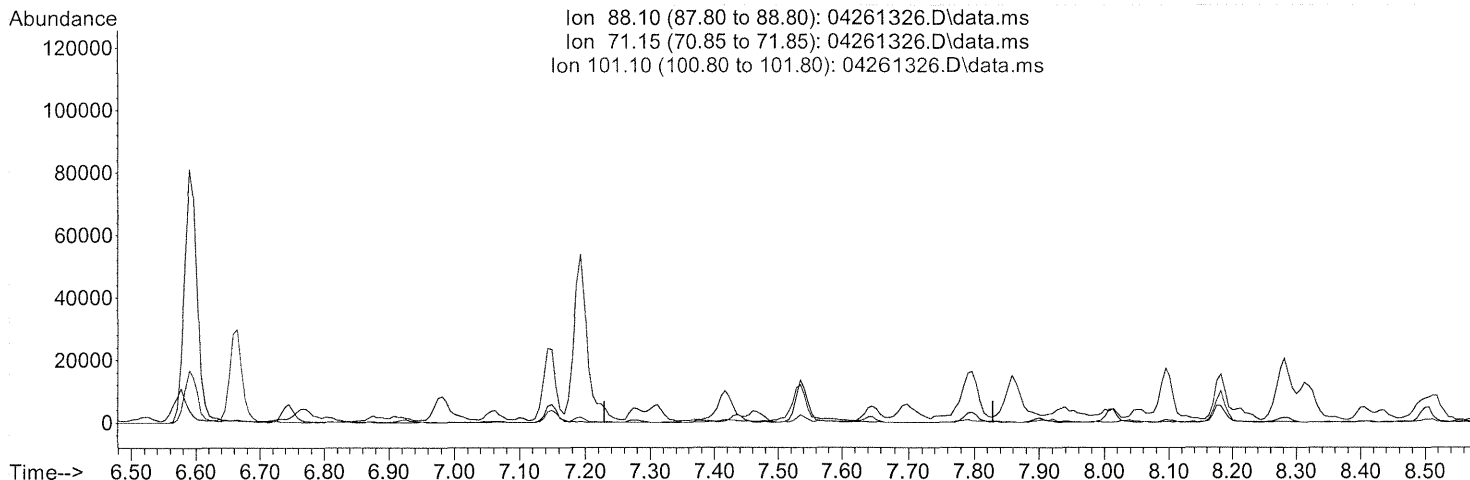
response 175086

Ion	Exp%	Act%
88.10	100	100
71.15	24.30	104.88#
101.10	15.10	0.00
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : J:\MS14\DATA\ACIDS\2013_04\26\
 Data File : 04261326.D
 Acq On : 26 Apr 2013 7:00 pm
 Operator : EI
 Sample : P1301655-004 Back 1.0ml
 Misc :
 ALS Vial : 25 Sample Multiplier: 1

Quant Time: Apr 27 08:49:07 2013
 Quant Method : J:\MS14\METHODS\CA100912E.M
 Quant Title : Short Chain Carboxylic Acids in Air
 QLast Update : Fri Apr 05 11:12:06 2013
 Response via : Initial Calibration



(9) 2-Methylpentanoic acid (T)

7.530min 0.00ug/ml d

response 0

Ion	Exp%	Act%
88.10	100	0.00
71.15	24.30	0.00
101.10	15.10	0.00
0.00	0.00	0.00

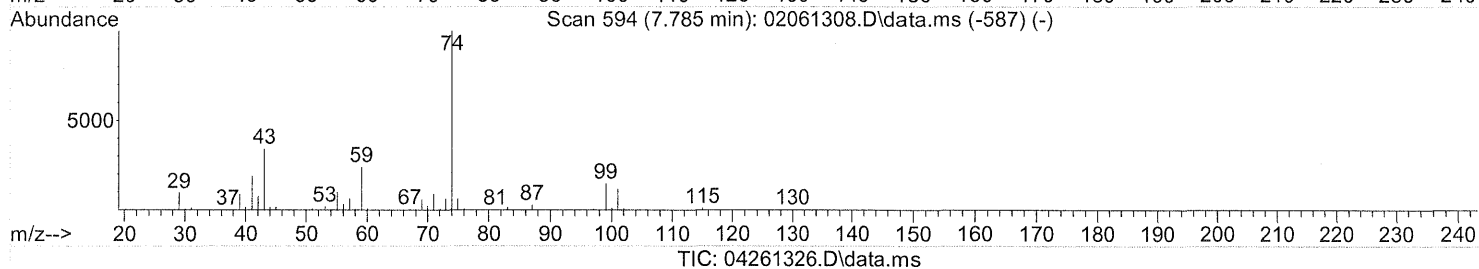
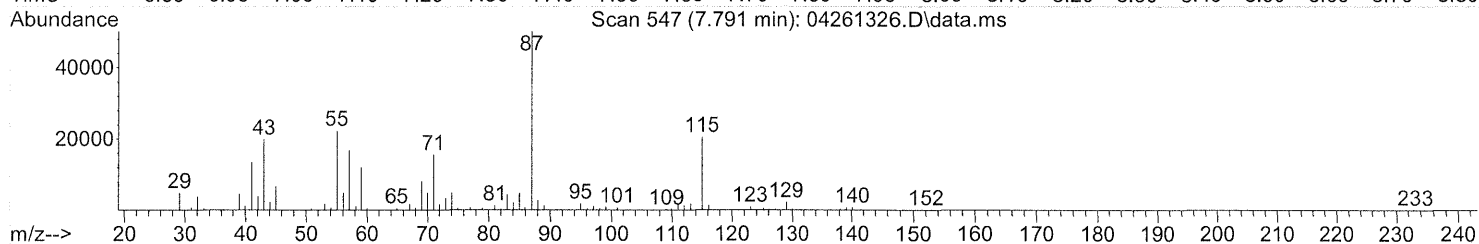
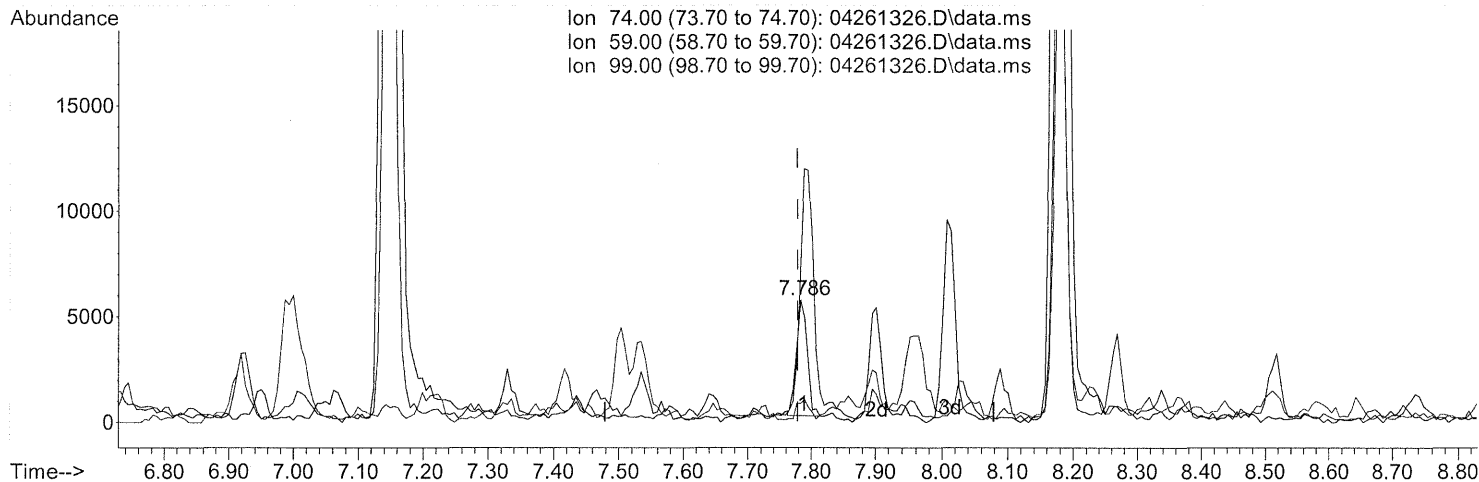
FP # 5/1/13
 ET

5/1/13

Quantitation Report (Qedit)

Data Path : J:\MS14\DATA\ACIDS\2013_04\26\
 Data File : 04261326.D
 Acq On : 26 Apr 2013 7:00 pm
 Operator : EI
 Sample : P1301655-004 Back 1.0ml
 Misc :
 ALS Vial : 25 Sample Multiplier: 1

Quant Time: Apr 27 08:49:07 2013
 Quant Method : J:\MS14\METHODS\CA100912E.M
 Quant Title : Short Chain Carboxylic Acids in Air
 QLast Update : Fri Apr 05 11:12:06 2013
 Response via : Initial Calibration



(10) 3-Methylpentanoic acid (T)

7.789min (+0.009) 0.27ug/ml

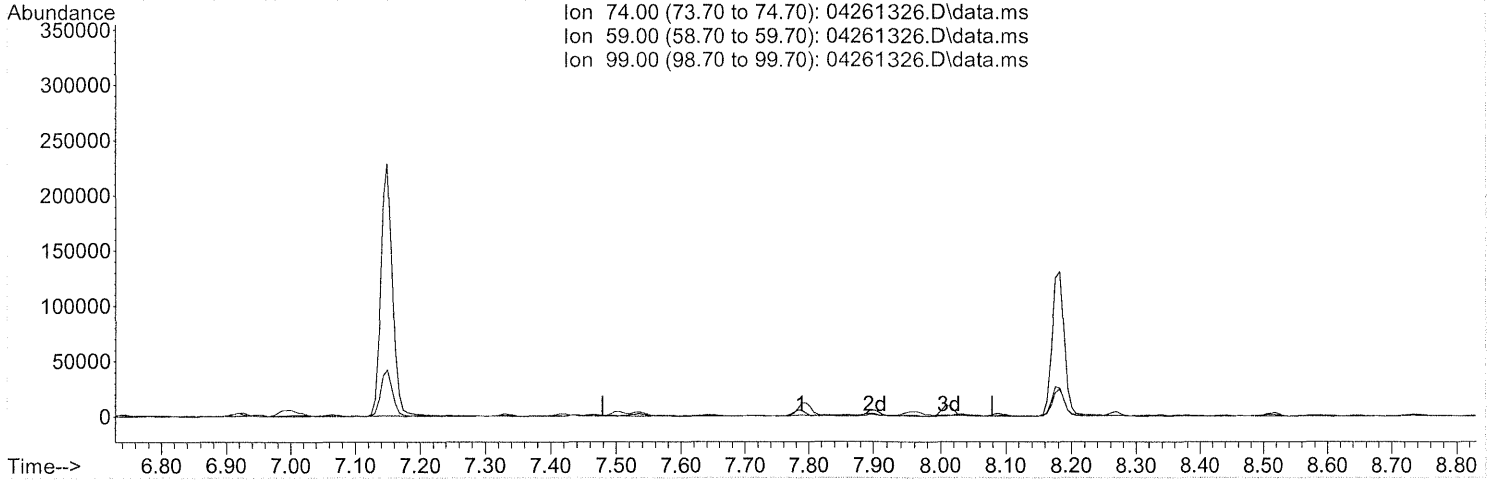
response 66509

Ion	Exp%	Act%
74.00	100	100
59.00	24.00	246.54#
99.00	14.70	0.00
0.00	0.00	0.00

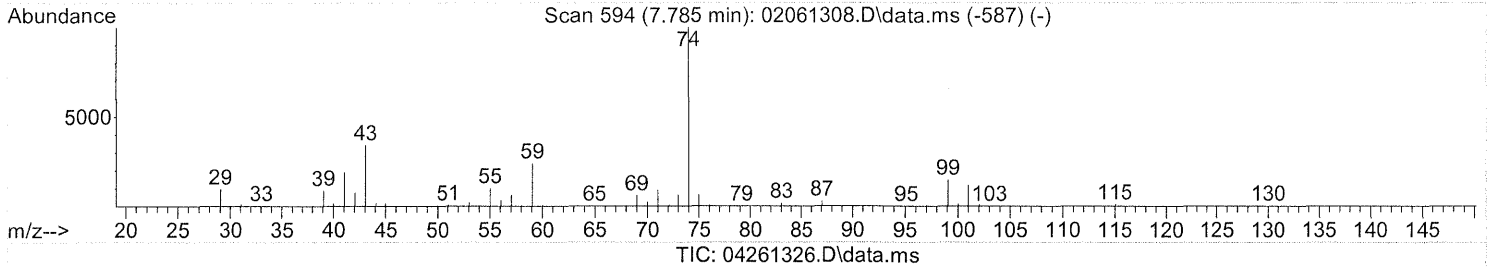
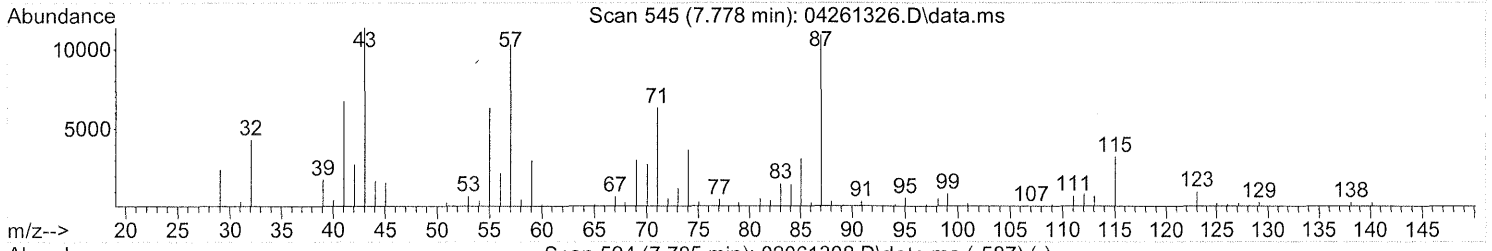
Quantitation Report (Qedit)

Data Path : J:\MS14\DATA\ACIDS\2013_04\26\
 Data File : 04261326.D
 Acq On : 26 Apr 2013 7:00 pm
 Operator : EI
 Sample : P1301655-004 Back 1.0ml
 Misc :
 ALS Vial : 25 Sample Multiplier: 1

Quant Time: Apr 27 08:49:07 2013
 Quant Method : J:\MS14\METHODS\CA100912E.M
 Quant Title : Short Chain Carboxylic Acids in Air
 QLast Update : Fri Apr 05 11:12:06 2013
 Response via : Initial Calibration



Ion 74.00 (73.70 to 74.70): 04261326.D\data.ms
 Ion 59.00 (58.70 to 59.70): 04261326.D\data.ms
 Ion 99.00 (98.70 to 99.70): 04261326.D\data.ms



(10) 3-Methylpentanoic acid (T)

7.780min 0.00ug/ml d

response 0

Ion	Exp%	Act%
74.00	100	0.00
59.00	24.00	0.00
99.00	14.70	0.00
0.00	0.00	0.00

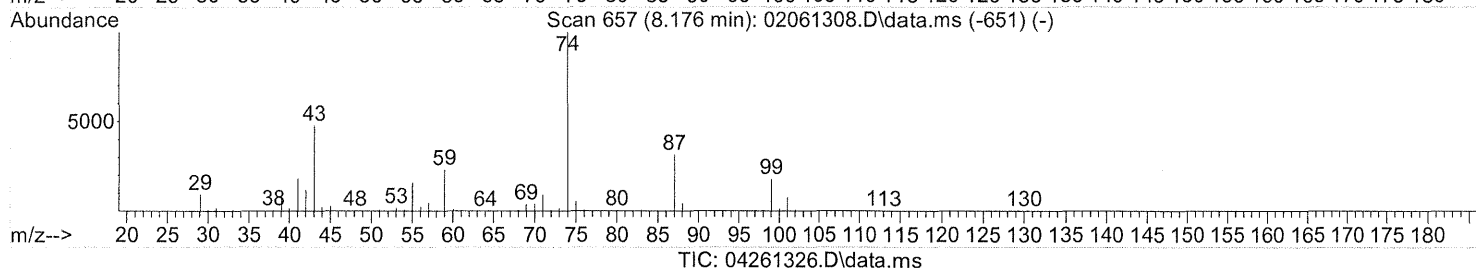
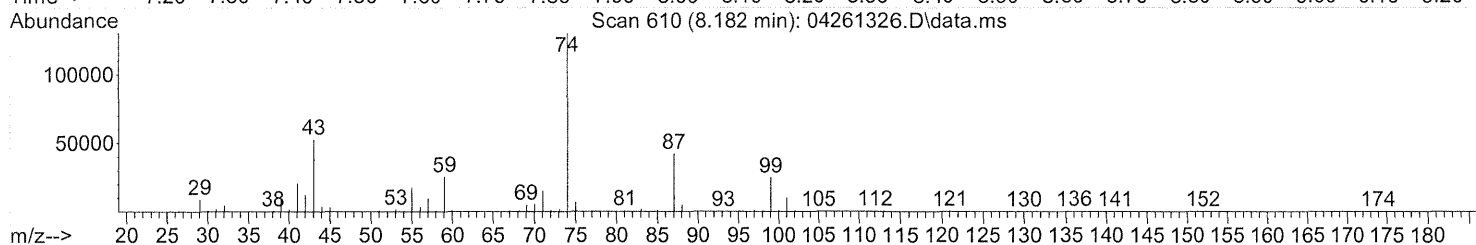
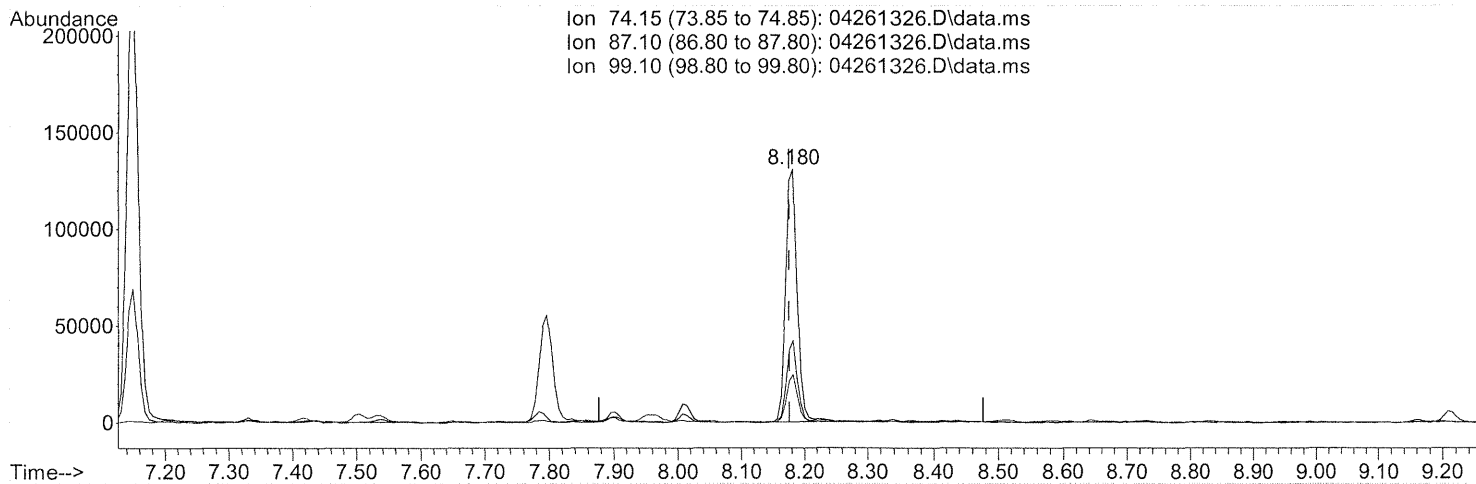
FP 5/1/13
 EI

(10)
 5/1/13

Quantitation Report (Qedit)

Data Path : J:\MS14\DATA\ACIDS\2013_04\26\
 Data File : 04261326.D
 Acq On : 26 Apr 2013 7:00 pm
 Operator : EI
 Sample : P1301655-004 Back 1.0ml
 Misc :
 ALS Vial : 25 Sample Multiplier: 1

Quant Time: May 01 09:11:48 2013
 Quant Method : J:\MS14\METHODS\CA100912E.M
 Quant Title : Short Chain Carboxylic Acids in Air
 QLast Update : Fri Apr 05 11:12:06 2013
 Response via : Initial Calibration



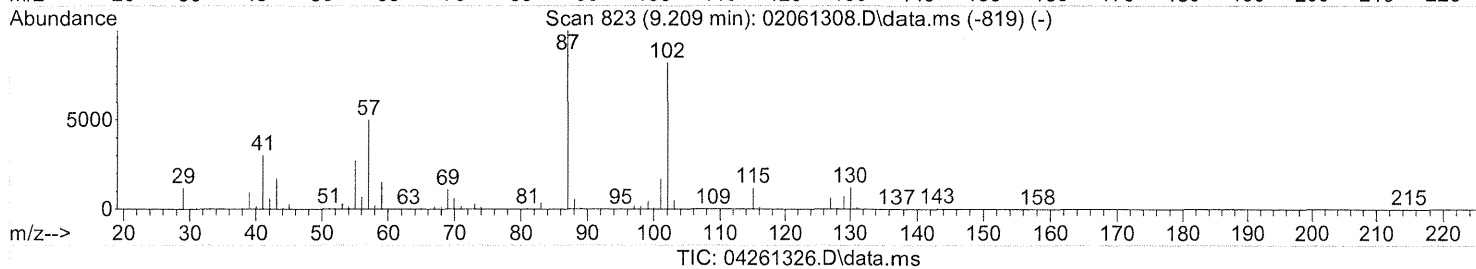
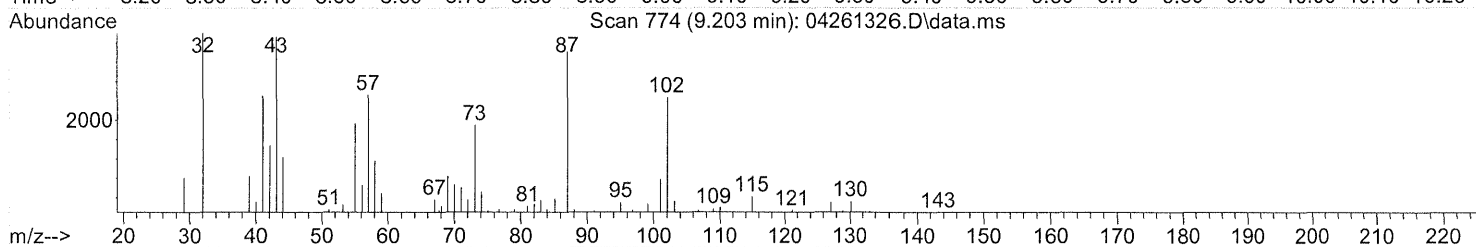
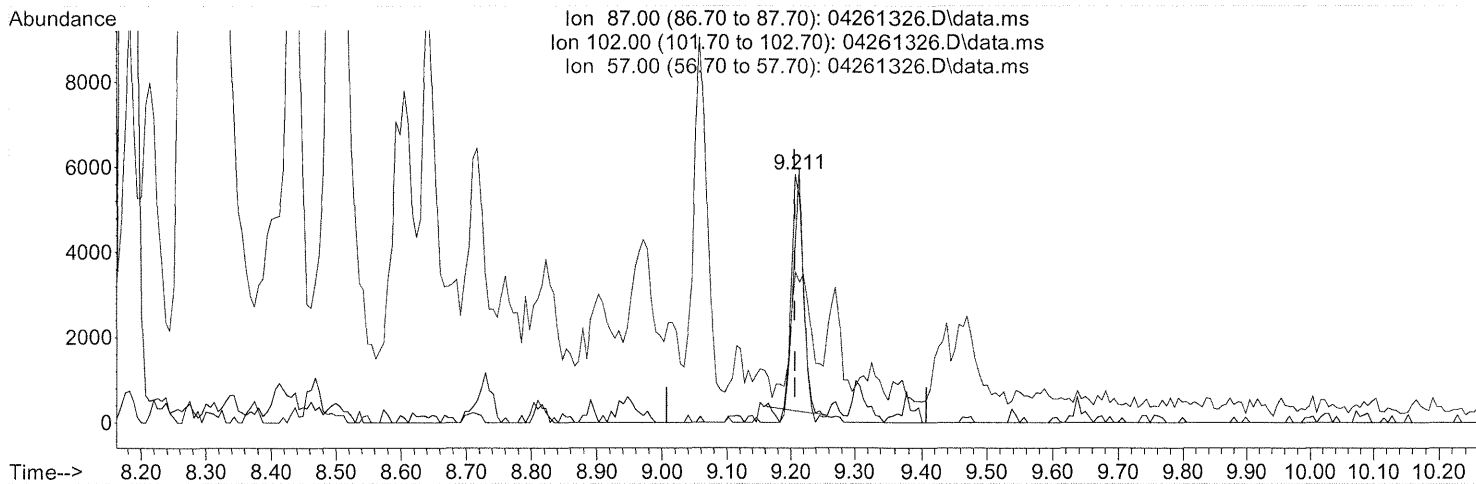
(12) Hexanoic acid (T)
 8.183min (+0.006) 7.77ug/ml
 response 1657089

Ion	Exp%	Act%
74.15	100	100
87.10	31.40	30.48
99.10	17.80	16.94
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : J:\MS14\DATA\ACIDS\2013_04\26\
 Data File : 04261326.D
 Acq On : 26 Apr 2013 7:00 pm
 Operator : EI
 Sample : P1301655-004 Back 1.0ml
 Misc :
 ALS Vial : 25 Sample Multiplier: 1

Quant Time: May 01 09:11:48 2013
 Quant Method : J:\MS14\METHODS\CA100912E.M
 Quant Title : Short Chain Carboxylic Acids in Air
 QLast Update : Fri Apr 05 11:12:06 2013
 Response via : Initial Calibration



(15) 2-Ethylhexanoic acid (T)

9.214min (+0.006) 0.38ug/ml

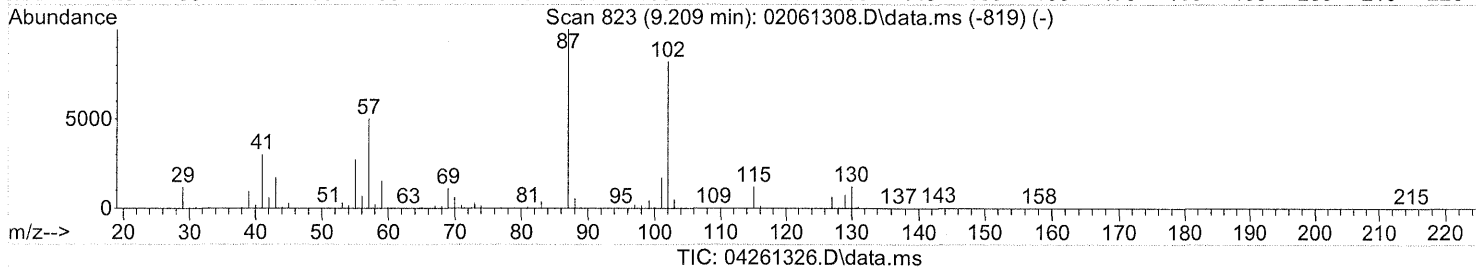
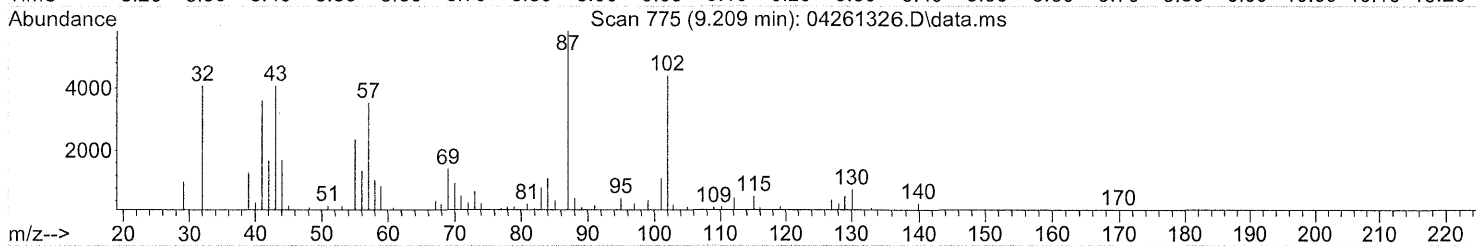
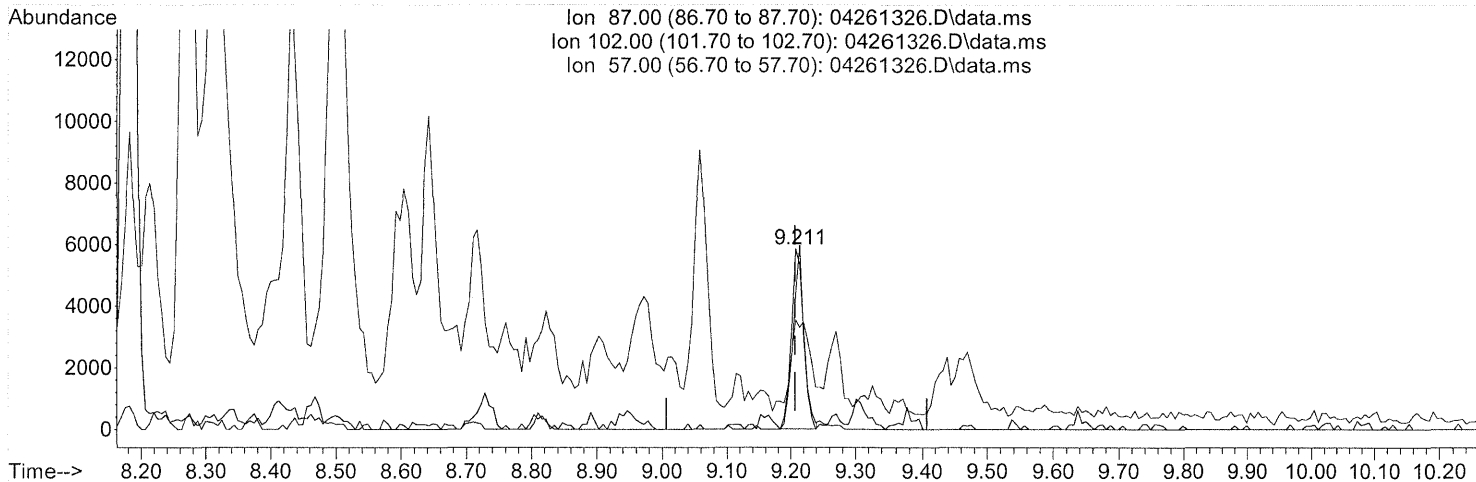
response 70587

Ion	Exp%	Act%
87.00	100	100
102.00	81.90	97.96
57.00	50.00	0.00#
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : J:\MS14\DATA\ACIDS\2013_04\26\
 Data File : 04261326.D
 Acq On : 26 Apr 2013 7:00 pm
 Operator : EI
 Sample : P1301655-004 Back 1.0ml
 Misc :
 ALS Vial : 25 Sample Multiplier: 1

Quant Time: May 01 09:11:48 2013
 Quant Method : J:\MS14\METHODS\CA100912E.M
 Quant Title : Short Chain Carboxylic Acids in Air
 QLast Update : Fri Apr 05 11:12:06 2013
 Response via : Initial Calibration



(15) 2-Ethylhexanoic acid (T)

9.209min (+0.001) 0.43ug/ml m

response 80159

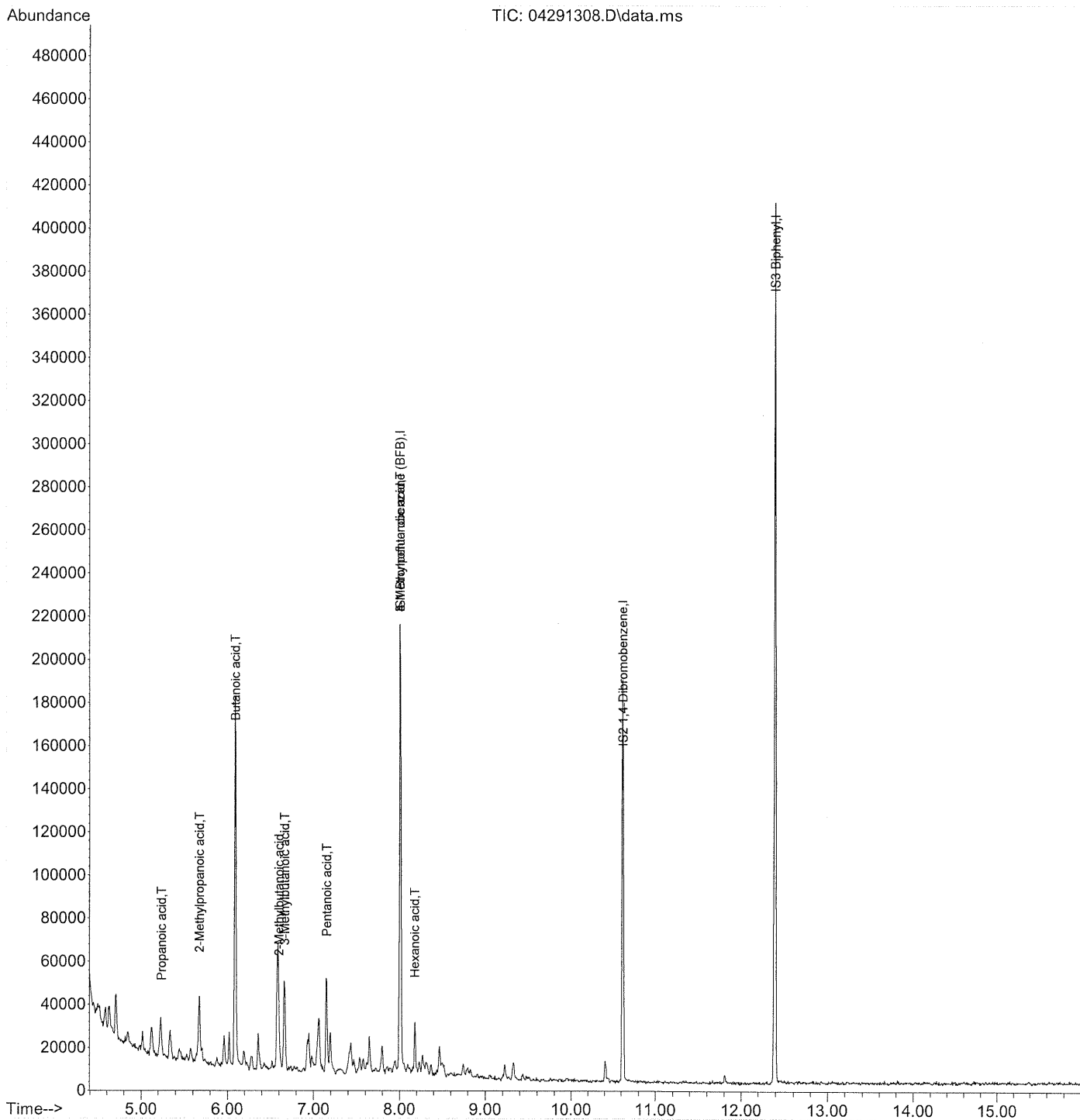
Ion	Exp%	Act%
87.00	100	100
102.00	81.90	86.26
57.00	50.00	0.00#
0.00	0.00	0.00

*BLC 4/25 5/1/13
ET*

Quantitation Report (QT Reviewed)

Data Path : J:\MS14\DATA\ACIDS\2013_04\29\
Data File : 04291308.D
Acq On : 29 Apr 2013 3:25 pm
Operator : EI
Sample : P1301655-004 Back 1.0ml 10x
Misc :
ALS Vial : 7 Sample Multiplier: 1

Quant Time: Apr 29 15:42:59 2013
Quant Method : J:\MS14\METHODS\CA100912E.M
Quant Title : Short Chain Carboxylic Acids in Air
QLast Update : Fri Apr 05 11:12:06 2013
Response via : Initial Calibration



Data Path : J:\MS14\DATA\ACIDS\2013_04\29\
 Data File : 04291308.D
 Acq On : 29 Apr 2013 3:25 pm
 Operator : EI
 Sample : P1301655-004 Back 1.0ml (10x)
 Misc :
 ALS Vial : 7 Sample Multiplier: 1

5/1/13
 ET

Quant Time: Apr 29 15:42:59 2013
 Quant Method : J:\MS14\METHODS\CA100912E.M
 Quant Title : Short Chain Carboxylic Acids in Air
 QLast Update : Fri Apr 05 11:12:06 2013
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev (Min)
1) IS1 Bromofluorobenzene...	8.01	95	524062	10.00	ug/ml	0.00
13) IS2 1,4-Dibromobenzene	10.63	236	394087	10.00	ug/ml	0.00
19) IS3 Biphenyl	12.40	154	1707393	10.00	ug/ml	0.00

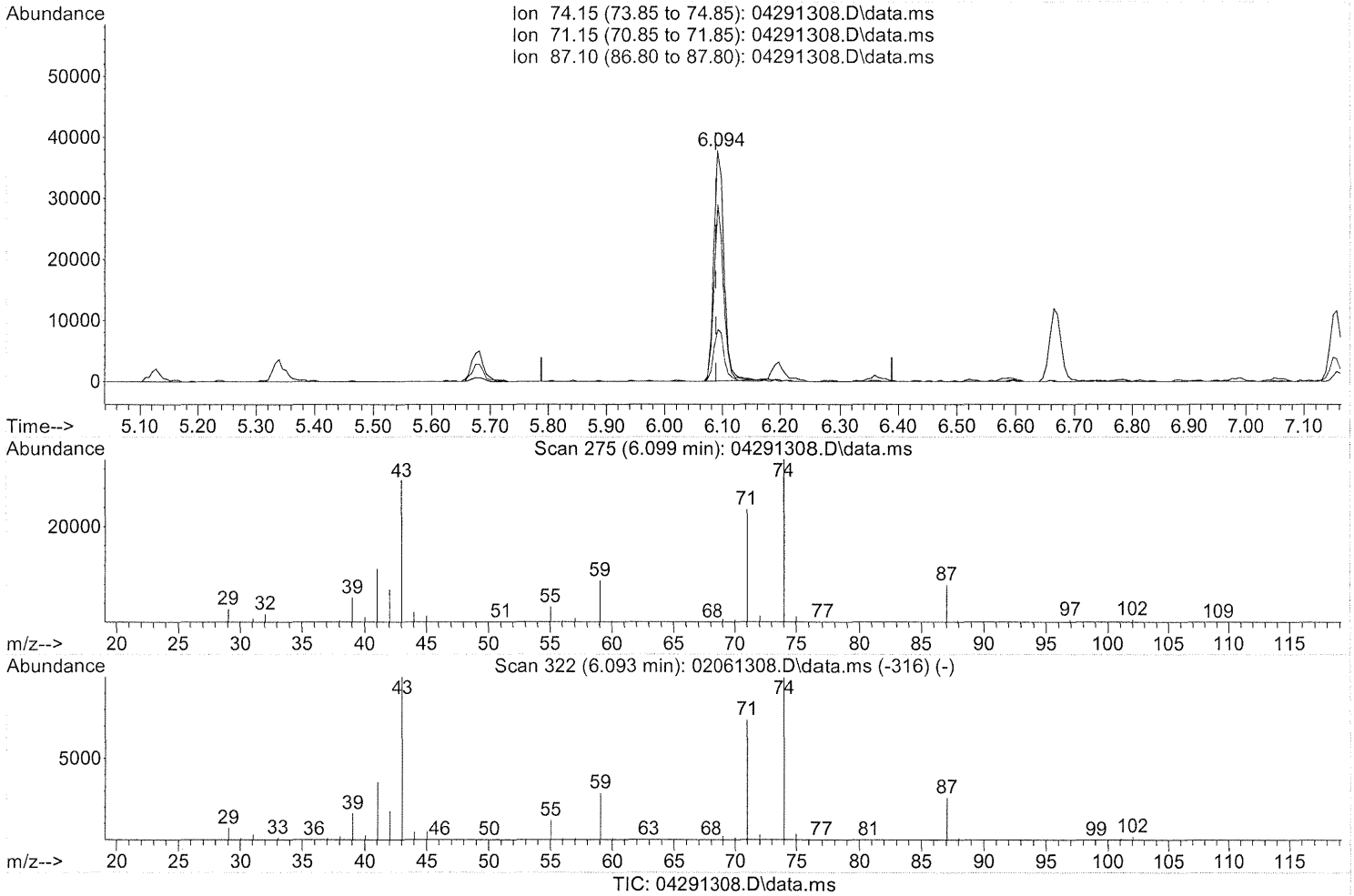
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Acetic acid	0.00	74	0	N.D.		
3) Propanoic acid	5.24	57	93639	2.78	ug/ml	98
4) 2-Methylpropanoic acid	5.68	71	72251	2.80	ug/ml	93
5) Butanoic acid	6.10	74	479225	10.63	ug/ml	100
6) 2-Methylbutanoic acid	6.60	88	64454	0.97	ug/ml#	90
7) 3-Methylbutanoic acid	6.67	74	162807	1.88	ug/ml	93
8) Pentanoic acid	7.16	74	152680	1.78	ug/ml	96
9) 2-Methylpentanoic acid	0.00	88	0	N.D.		
10) 3-Methylpentanoic acid	8.01	74	72777	0.55	ug/ml#	56
11) 4-Methylpentanoic acid	8.01	74	72848	1.08	ug/ml#	82
12) Hexanoic acid	8.19	74	88690	0.76	ug/ml#	84
14) Heptanoic acid	0.00	74	0	N.D.		
15) 2-Ethylhexanoic acid	0.00	87	0	N.D.		
16) Cyclohexanecarboxylic ...	0.00	55	0	N.D.		
17) Octanoic acid	0.00	74	0	N.D.		
18) Benzoic acid	0.00	105	0	N.D.		
20) Nonanoic acid	0.00	74	0	N.D.		
21) Decanoic Acid	0.00	74	0	N.D.		

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (Qedit)

Data Path : J:\MS14\DATA\ACIDS\2013_04\29\
 Data File : 04291308.D
 Acq On : 29 Apr 2013 3:25 pm
 Operator : EI
 Sample : P1301655-004 Back 1.0ml 10x
 Misc :
 ALS Vial : 7 Sample Multiplier: 1

Quant Time: Apr 29 15:42:59 2013
 Quant Method : J:\MS14\METHODS\CA100912E.M
 Quant Title : Short Chain Carboxylic Acids in Air
 QLast Update : Fri Apr 05 11:12:06 2013
 Response via : Initial Calibration



(5) Butanoic acid (T)

6.097min (+0.008) 10.63ug/ml

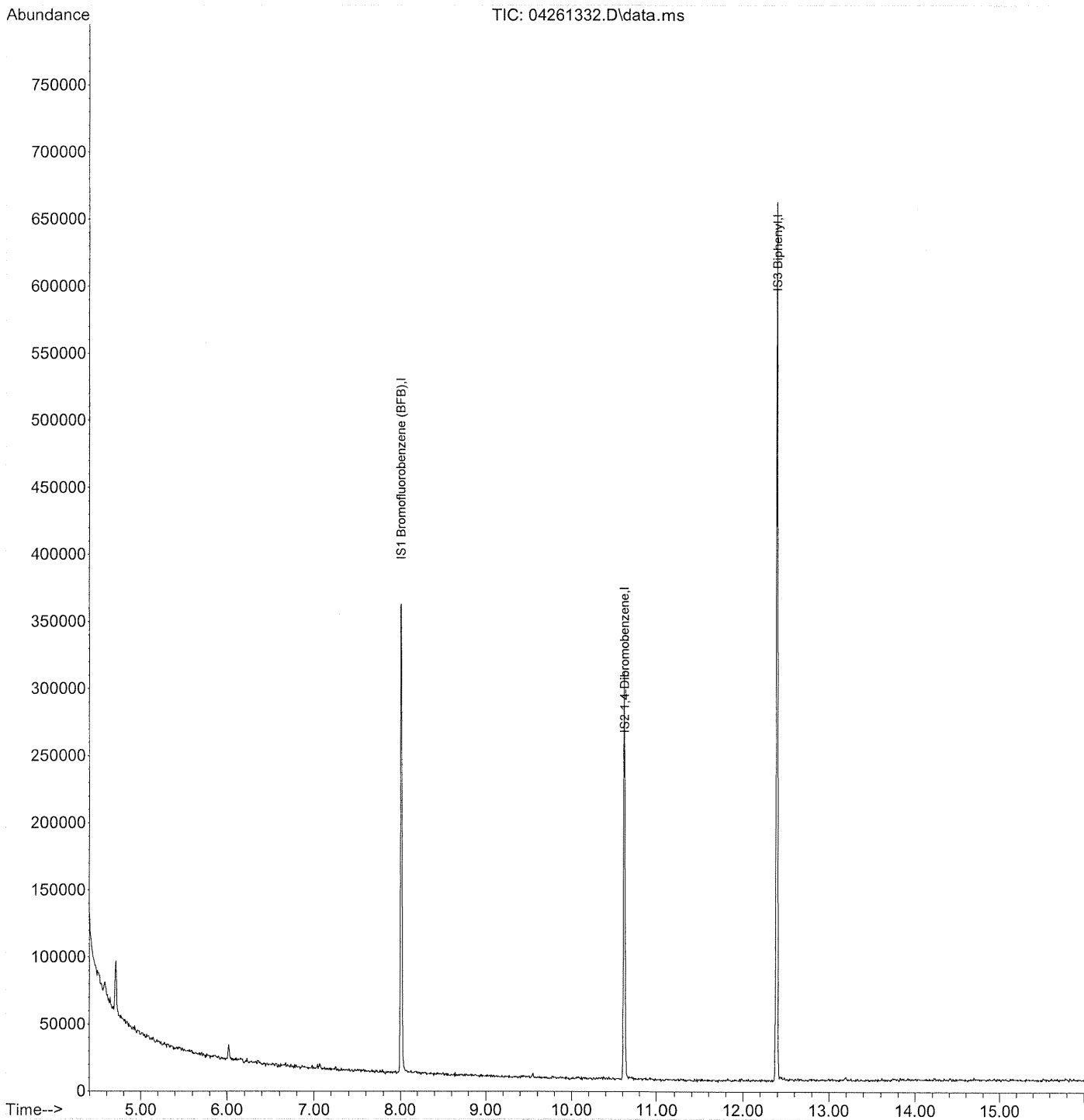
response 479225

Ion	Exp%	Act%
74.15	100	100
71.15	73.60	73.49
87.10	24.00	23.45
0.00	0.00	0.00

Quantitation Report (QT Reviewed)

Data Path : J:\MS14\DATA\ACIDS\2013_04\26\
Data File : 04261332.D
Acq On : 26 Apr 2013 9:04 pm
Operator : EI
Sample : P1301655-005 Front 1.0ml
Misc :
ALS Vial : 31 Sample Multiplier: 1

Quant Time: May 01 09:25:30 2013
Quant Method : J:\MS14\METHODS\CA100912E.M
Quant Title : Short Chain Carboxylic Acids in Air
QLast Update : Fri Apr 05 11:12:06 2013
Response via : Initial Calibration



Data Path : J:\MS14\DATA\ACIDS\2013_04\26\
 Data File : 04261332.D
 Acq On : 26 Apr 2013 9:04 pm
 Operator : EI
 Sample : P1301655-005 Front 1.0ml
 Misc :
 ALS Vial : 31 Sample Multiplier: 1

Quant Time: May 01 09:25:30 2013
 Quant Method : J:\MS14\METHODS\CA100912E.M
 Quant Title : Short Chain Carboxylic Acids in Air
 QLast Update : Fri Apr 05 11:12:06 2013
 Response via : Initial Calibration

5/1/13
 ET

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev (Min)
1) IS1 Bromofluorobenzene...	8.01	95	1017574	10.00	ug/ml	0.00
13) IS2 1,4-Dibromobenzene	10.63	236	627067	10.00	ug/ml	0.00
19) IS3 Biphenyl	12.40	154	2789840	10.00	ug/ml	0.00

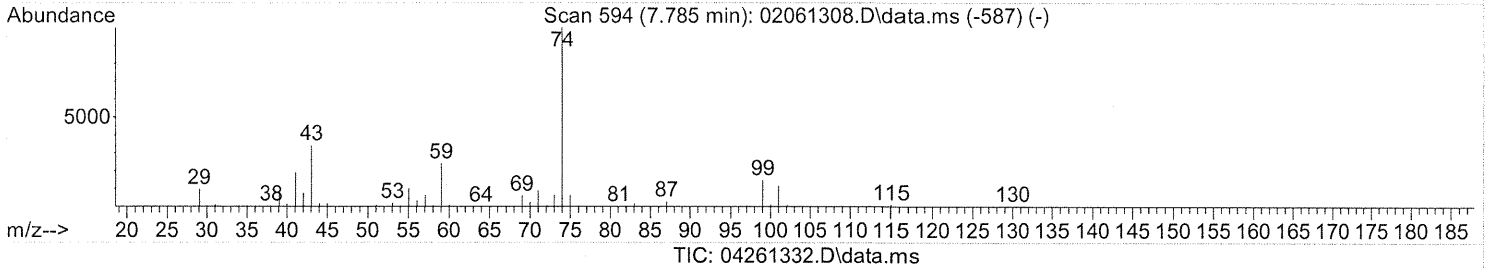
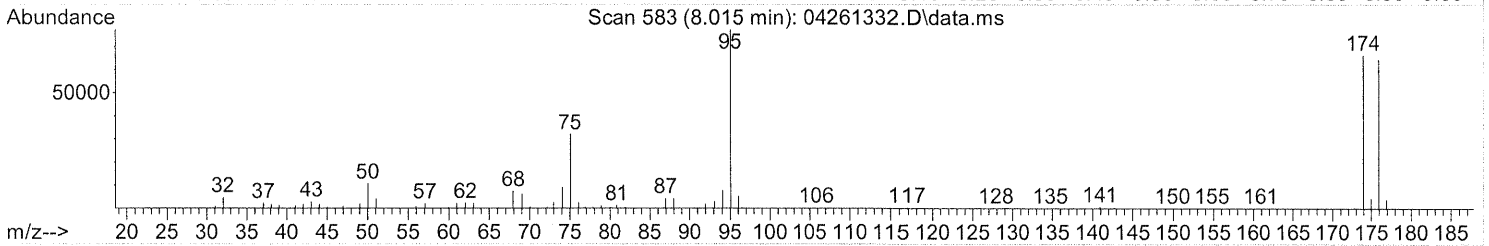
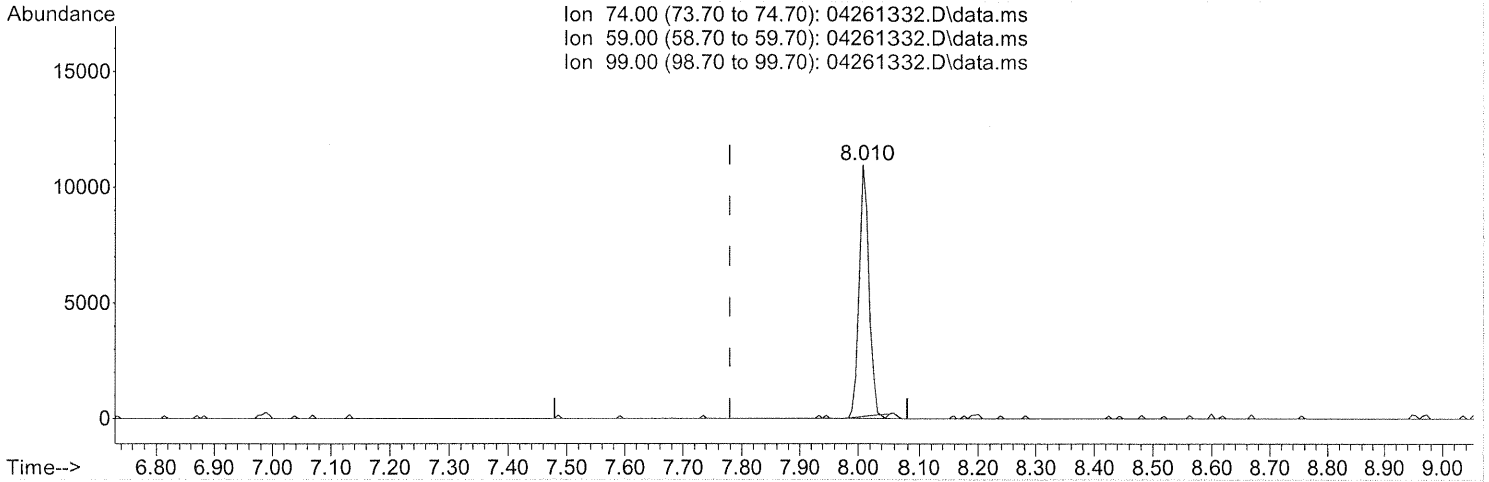
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Acetic acid	0.00	74	0	N.D.		
3) Propanoic acid	0.00	57	0	N.D.		
4) 2-Methylpropanoic acid	0.00	71	0	N.D.		
5) Butanoic acid	0.00	74	0	N.D.		
6) 2-Methylbutanoic acid	0.00	88	0	N.D.		
7) 3-Methylbutanoic acid	0.00	74	0	N.D.		
8) Pentanoic acid	0.00	74	0	N.D.		
9) 2-Methylpentanoic acid	0.00	88	0	N.D.		
10) 3-Methylpentanoic acid	0.00	74	0	N.D.	d	
11) 4-Methylpentanoic acid	0.00	74	0	N.D.	d	
12) Hexanoic acid	0.00	74	0	N.D.	d	
14) Heptanoic acid	0.00	74	0	N.D.		
15) 2-Ethylhexanoic acid	0.00	87	0	N.D.		
16) Cyclohexanecarboxylic ...	0.00	55	0	N.D.		
17) Octanoic acid	0.00	74	0	N.D.		
18) Benzoic acid	0.00	105	0	N.D.		
20) Nonanoic acid	0.00	74	0	N.D.		
21) Decanoic Acid	0.00	74	0	N.D.		

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (Qedit)

Data Path : J:\MS14\DATA\ACIDS\2013_04\26\
 Data File : 04261332.D
 Acq On : 26 Apr 2013 9:04 pm
 Operator : EI
 Sample : P1301655-005 Front 1.0ml
 Misc :
 ALS Vial : 31 Sample Multiplier: 1

Quant Time: Apr 27 09:01:08 2013
 Quant Method : J:\MS14\METHODS\CA100912E.M
 Quant Title : Short Chain Carboxylic Acids in Air
 QLast Update : Fri Apr 05 11:12:06 2013
 Response via : Initial Calibration



(10) 3-Methylpentanoic acid (T)

8.012min (+0.233) 0.48ug/ml

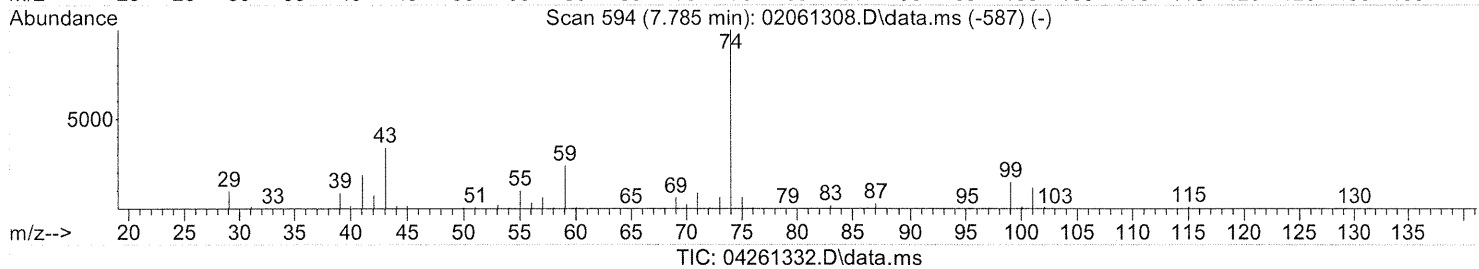
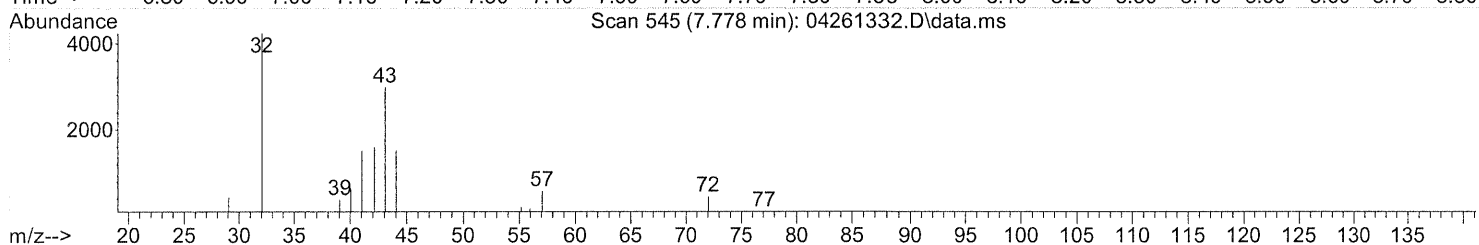
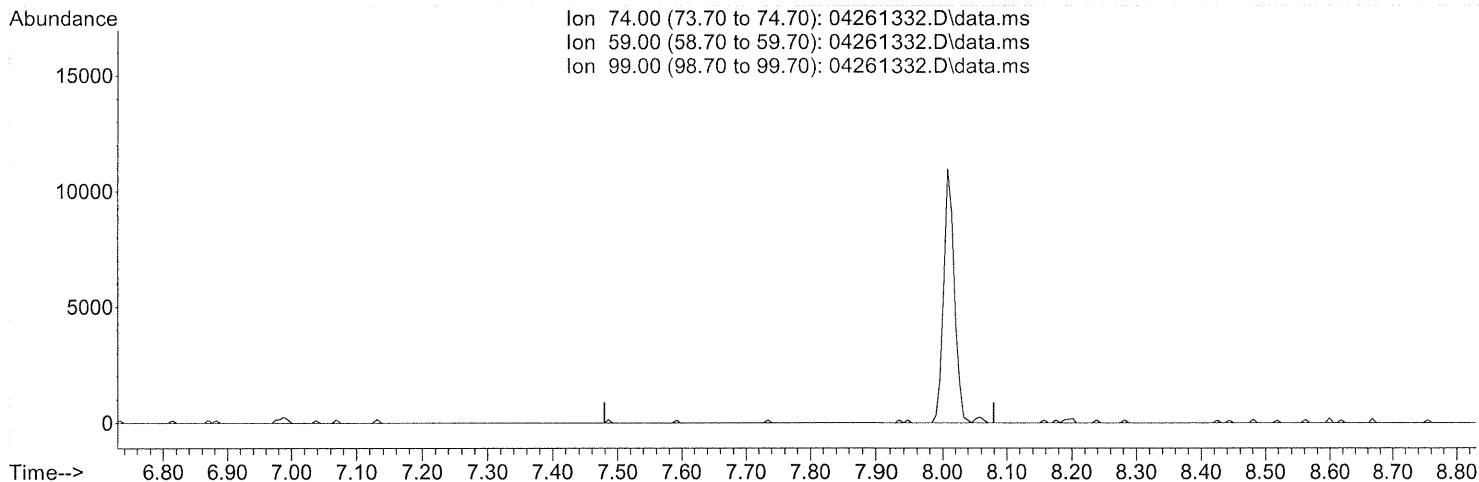
response 124636

Ion	Exp%	Act%
74.00	100	100
59.00	24.00	0.00#
99.00	14.70	0.00
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : J:\MS14\DATA\ACIDS\2013_04\26\
 Data File : 04261332.D
 Acq On : 26 Apr 2013 9:04 pm
 Operator : EI
 Sample : P1301655-005 Front 1.0ml
 Misc :
 ALS Vial : 31 Sample Multiplier: 1

Quant Time: Apr 27 09:01:08 2013
 Quant Method : J:\MS14\METHODS\CA100912E.M
 Quant Title : Short Chain Carboxylic Acids in Air
 QLast Update : Fri Apr 05 11:12:06 2013
 Response via : Initial Calibration



(10) 3-Methylpentanoic acid (T)

7.780min 0.00ug/ml d
 response 0

*FP # 5/1/13
 EI*

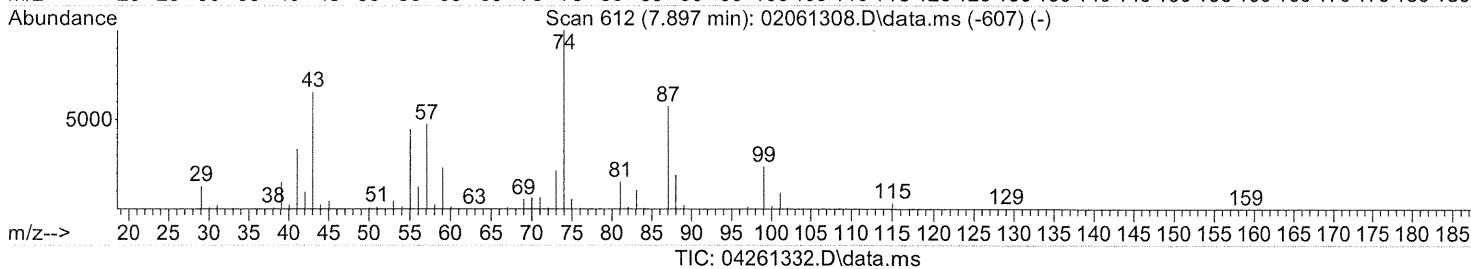
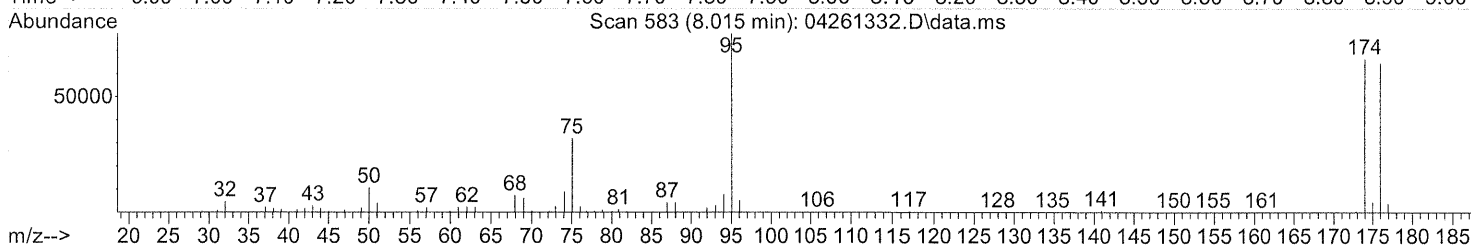
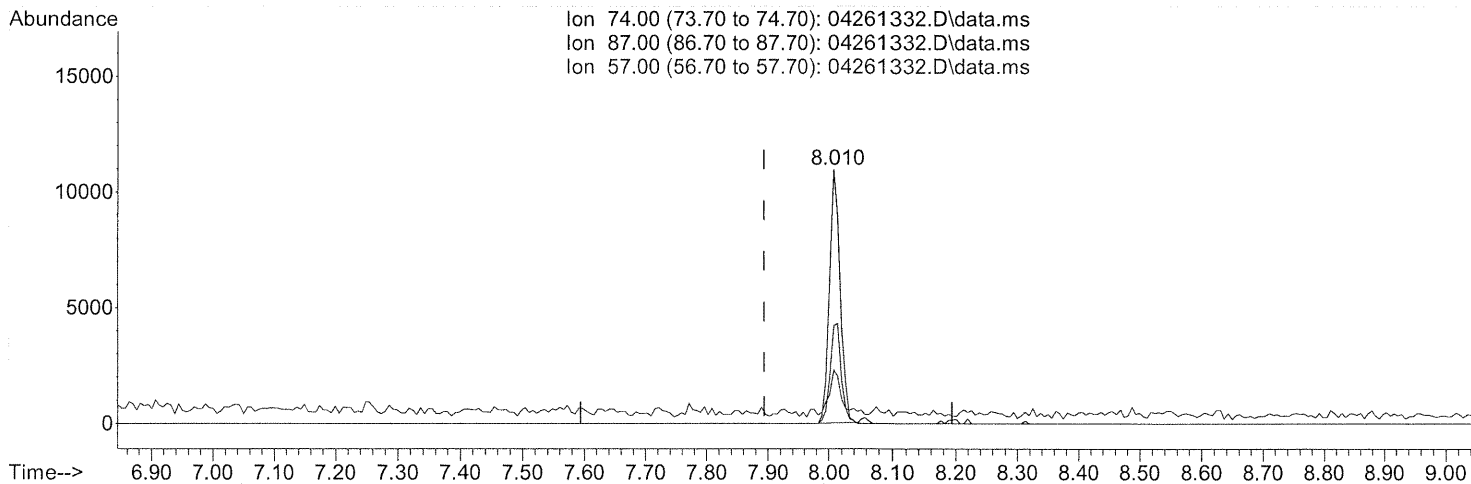
*(R)
 5/1/13*

Ion	Exp%	Act%
74.00	100	0.00
59.00	24.00	0.00
99.00	14.70	0.00
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : J:\MS14\DATA\ACIDS\2013_04\26\
 Data File : 04261332.D
 Acq On : 26 Apr 2013 9:04 pm
 Operator : EI
 Sample : P1301655-005 Front 1.0ml
 Misc :
 ALS Vial : 31 Sample Multiplier: 1

Quant Time: Apr 27 09:01:08 2013
 Quant Method : J:\MS14\METHODS\CA100912E.M
 Quant Title : Short Chain Carboxylic Acids in Air
 QLast Update : Fri Apr 05 11:12:06 2013
 Response via : Initial Calibration



(11) 4-Methylpentanoic acid (T)

8.013min (+0.118) 0.97ug/ml

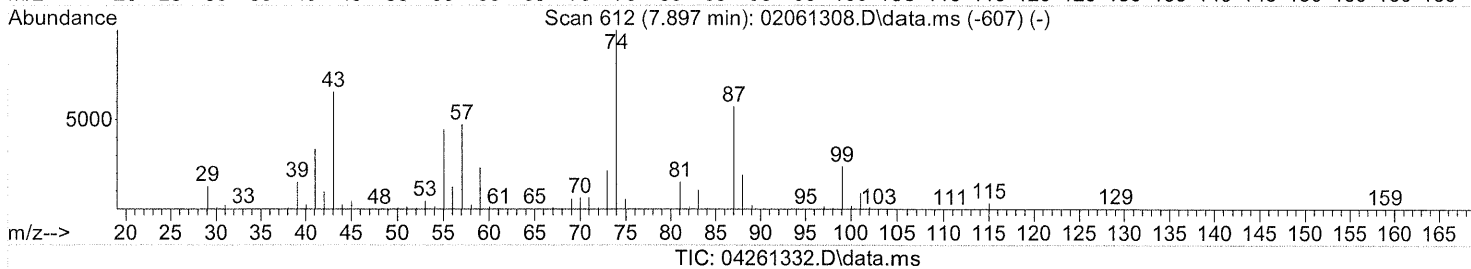
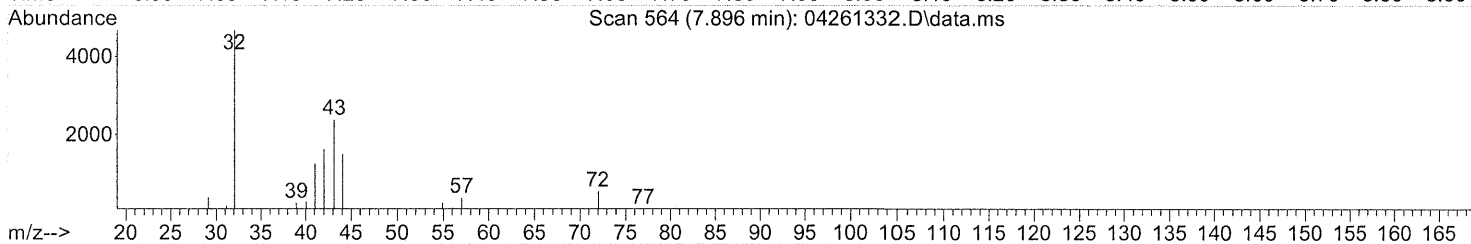
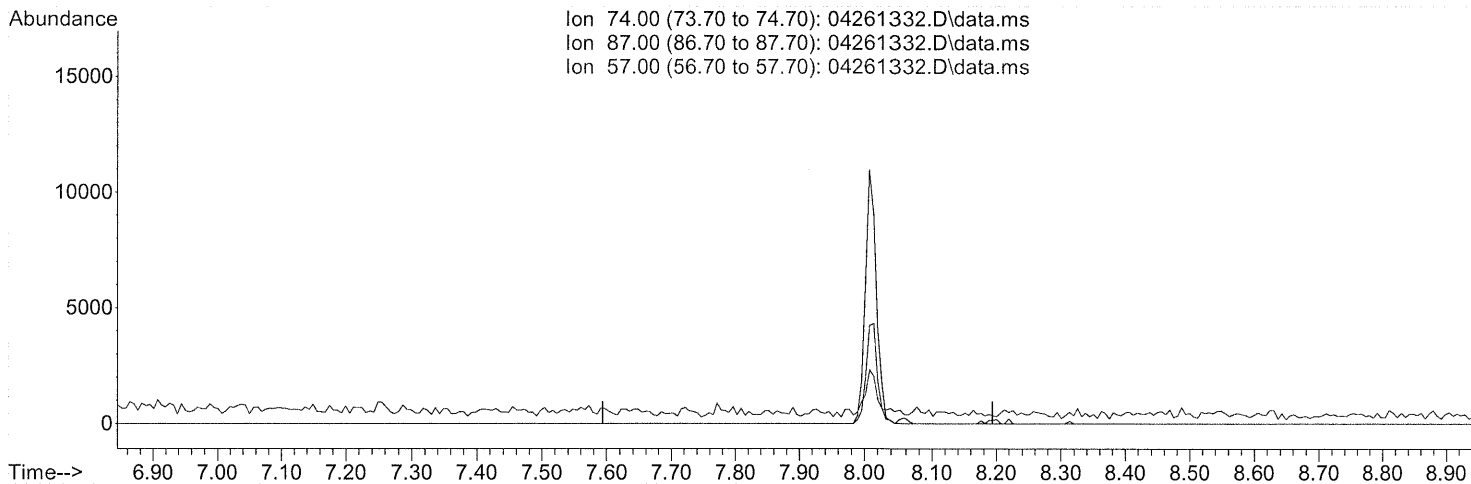
response 127423

Ion	Exp%	Act%
74.00	100	100
87.00	57.30	40.83
57.00	47.30	19.46#
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : J:\MS14\DATA\ACIDS\2013_04\26\
 Data File : 04261332.D
 Acq On : 26 Apr 2013 9:04 pm
 Operator : EI
 Sample : P1301655-005 Front 1.0ml
 Misc :
 ALS Vial : 31 Sample Multiplier: 1

Quant Time: Apr 27 09:01:08 2013
 Quant Method : J:\MS14\METHODS\CA100912E.M
 Quant Title : Short Chain Carboxylic Acids in Air
 QLast Update : Fri Apr 05 11:12:06 2013
 Response via : Initial Calibration



(11) 4-Methylpentanoic acid (T)

7.894min 0.00ug/ml d
 response 0

FP 5/1/13
 EI

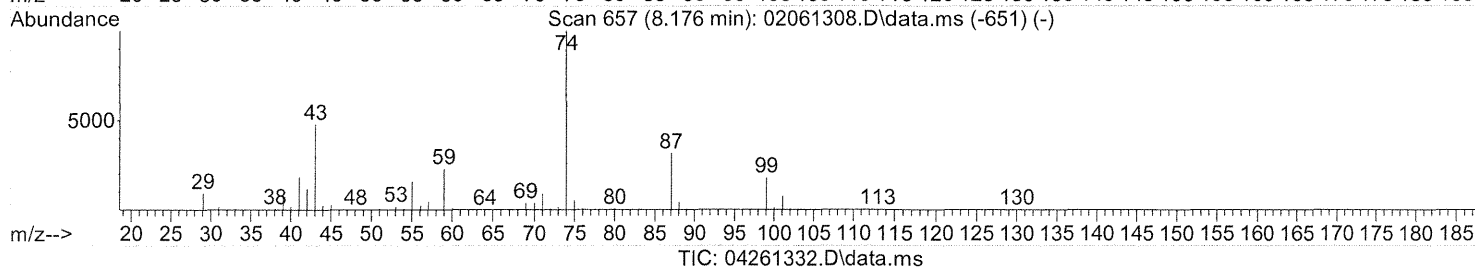
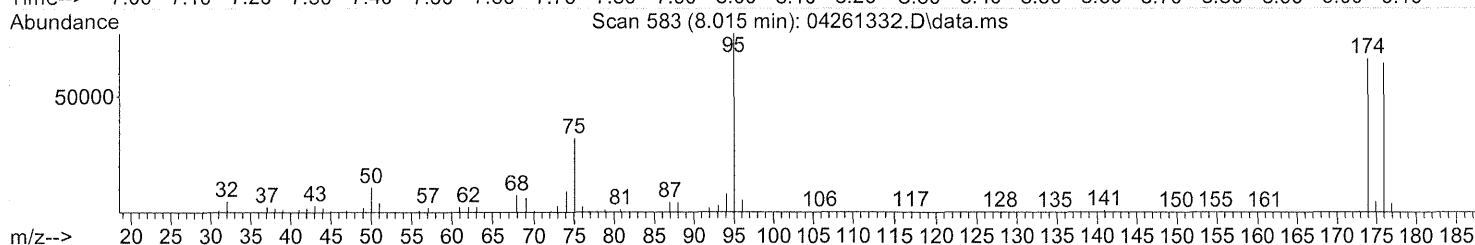
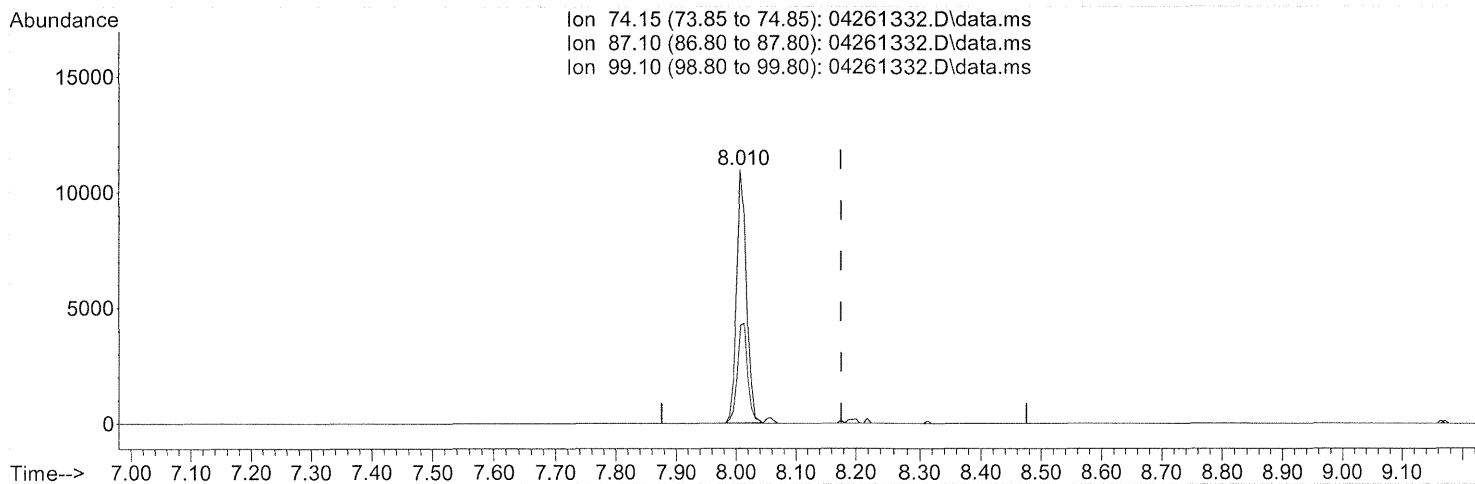
5/1/13

Ion	Exp%	Act%
74.00	100	0.00
87.00	57.30	0.00
57.00	47.30	0.00
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : J:\MS14\DATA\ACIDS\2013_04\26\
 Data File : 04261332.D
 Acq On : 26 Apr 2013 9:04 pm
 Operator : EI
 Sample : P1301655-005 Front 1.0ml
 Misc :
 ALS Vial : 31 Sample Multiplier: 1

Quant Time: Apr 27 09:01:08 2013
 Quant Method : J:\MS14\METHODS\CA100912E.M
 Quant Title : Short Chain Carboxylic Acids in Air
 QLast Update : Fri Apr 05 11:12:06 2013
 Response via : Initial Calibration



(12) Hexanoic acid (T)

8.012min (-0.165) 0.57ug/ml

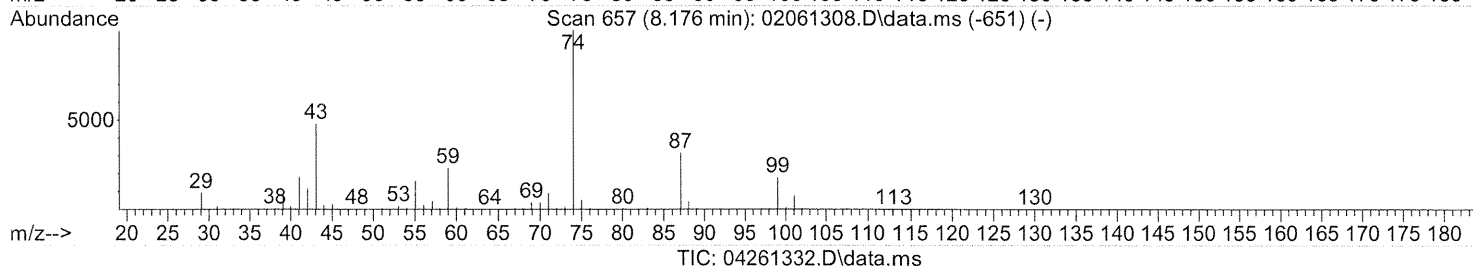
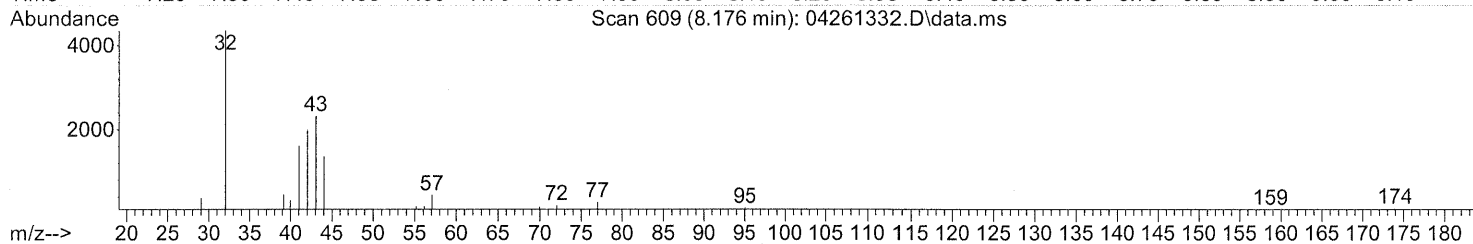
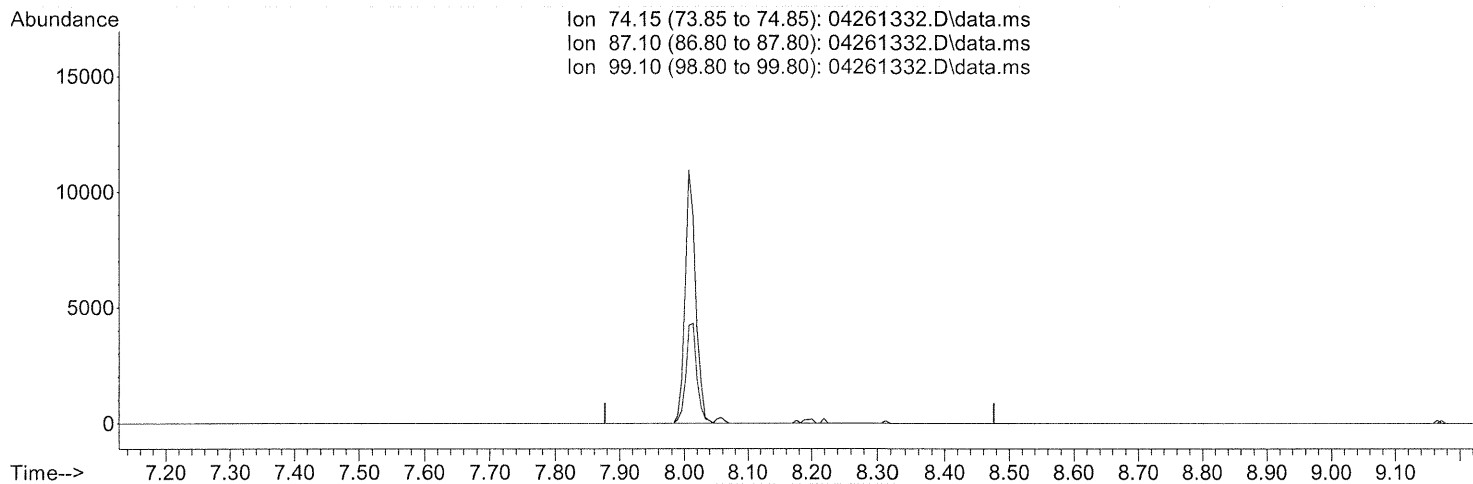
response 127509

Ion	Exp%	Act%
74.15	100	100
87.10	31.40	40.80
99.10	17.80	0.00
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : J:\MS14\DATA\ACIDS\2013_04\26\
Data File : 04261332.D
Acq On : 26 Apr 2013 9:04 pm
Operator : EI
Sample : P1301655-005 Front 1.0ml
Misc :
ALS Vial : 31 Sample Multiplier: 1

Quant Time: Apr 27 09:01:08 2013
Quant Method : J:\MS14\METHODS\CA100912E.M
Quant Title : Short Chain Carboxylic Acids in Air
QLast Update : Fri Apr 05 11:12:06 2013
Response via : Initial Calibration



(12) Hexanoic acid (T)

8.177min	0.00ug/ml d	
response	0	
Ion	Exp%	Act%
74.15	100	0.00
87.10	31.40	0.00
99.10	17.80	0.00
0.00	0.00	0.00

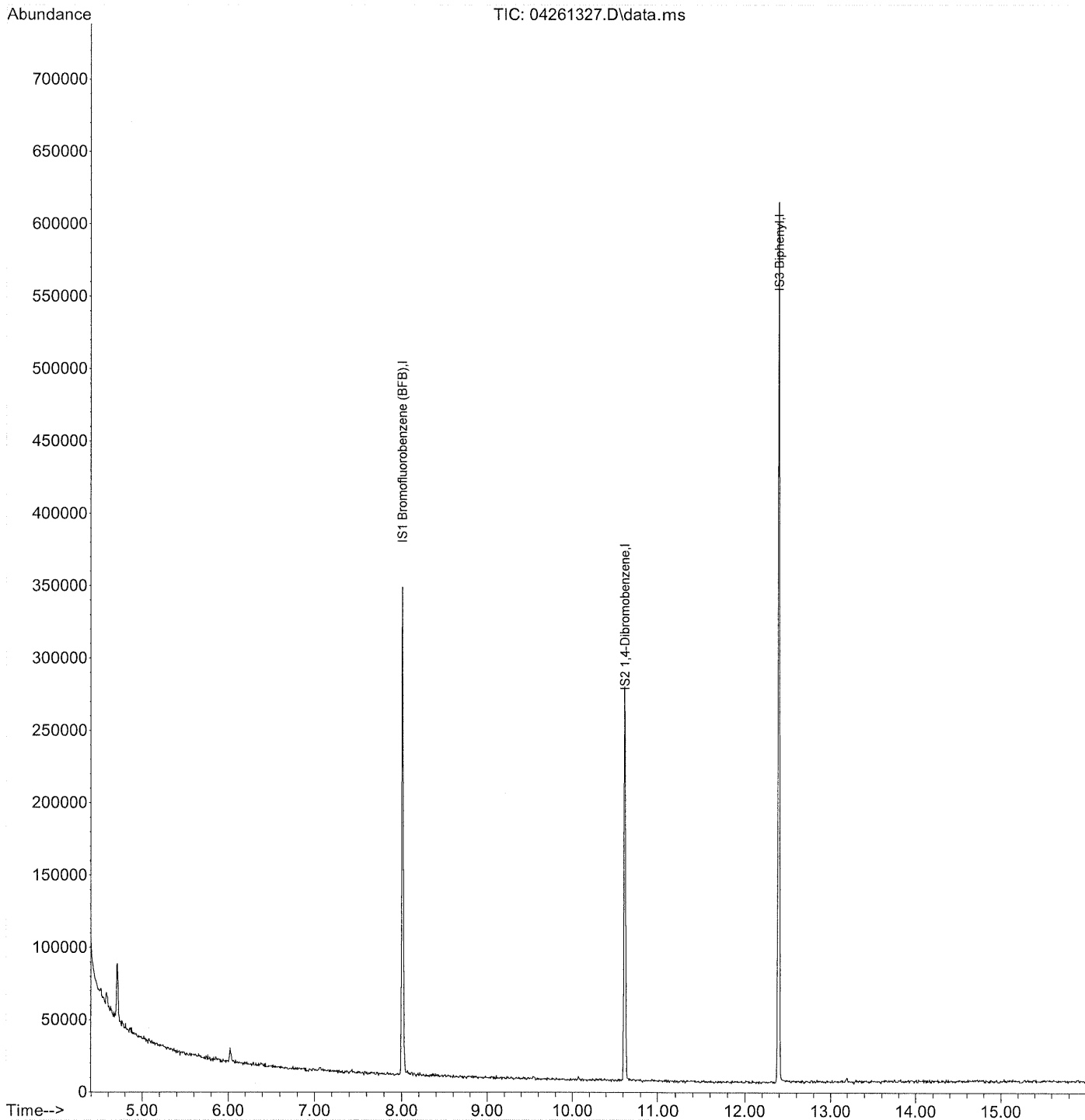
FP 5/1/13
EI

⑩
5/1/13

Quantitation Report (QT Reviewed)

Data Path : J:\MS14\DATA\ACIDS\2013_04\26\
Data File : 04261327.D
Acq On : 26 Apr 2013 7:21 pm
Operator : EI
Sample : P1301655-005 Back 1.0ml
Misc :
ALS Vial : 26 Sample Multiplier: 1

Quant Time: May 01 09:27:04 2013
Quant Method : J:\MS14\METHODS\CA100912E.M
Quant Title : Short Chain Carboxylic Acids in Air
QLast Update : Fri Apr 05 11:12:06 2013
Response via : Initial Calibration



Data Path : J:\MS14\DATA\ACIDS\2013_04\26\
 Data File : 04261327.D
 Acq On : 26 Apr 2013 7:21 pm
 Operator : EI
 Sample : P1301655-005 Back 1.0ml
 Misc :
 ALS Vial : 26 Sample Multiplier: 1

Quant Time: May 01 09:27:04 2013
 Quant Method : J:\MS14\METHODS\CA100912E.M
 Quant Title : Short Chain Carboxylic Acids in Air
 QLast Update : Fri Apr 05 11:12:06 2013
 Response via : Initial Calibration

5/1/13
 ET

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev (Min)
1) IS1 Bromofluorobenzene...	8.01	95	930237	10.00	ug/ml	0.00
13) IS2 1,4-Dibromobenzene	10.63	236	590494	10.00	ug/ml	0.00
19) IS3 Biphenyl	12.40	154	2499980	10.00	ug/ml	0.00

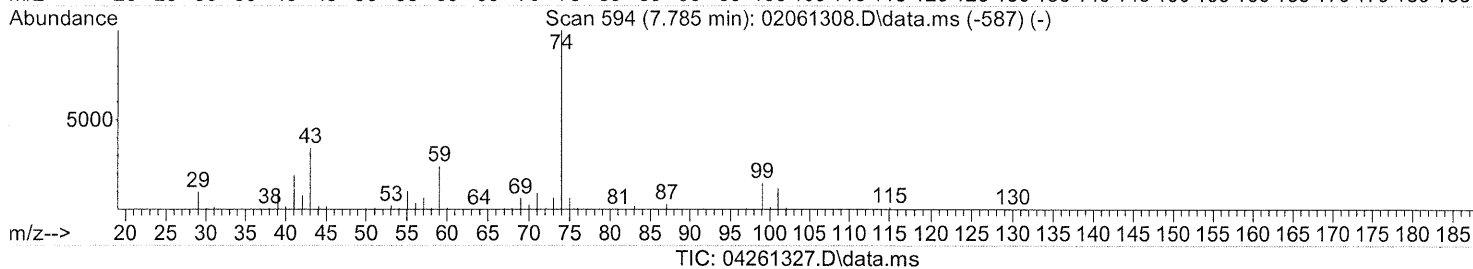
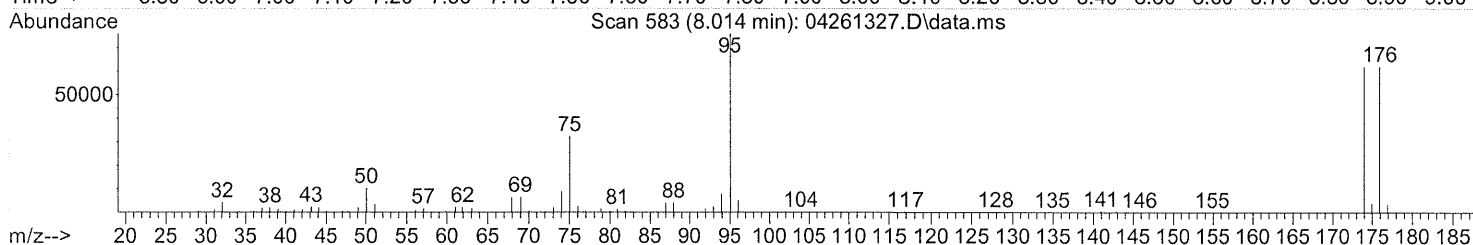
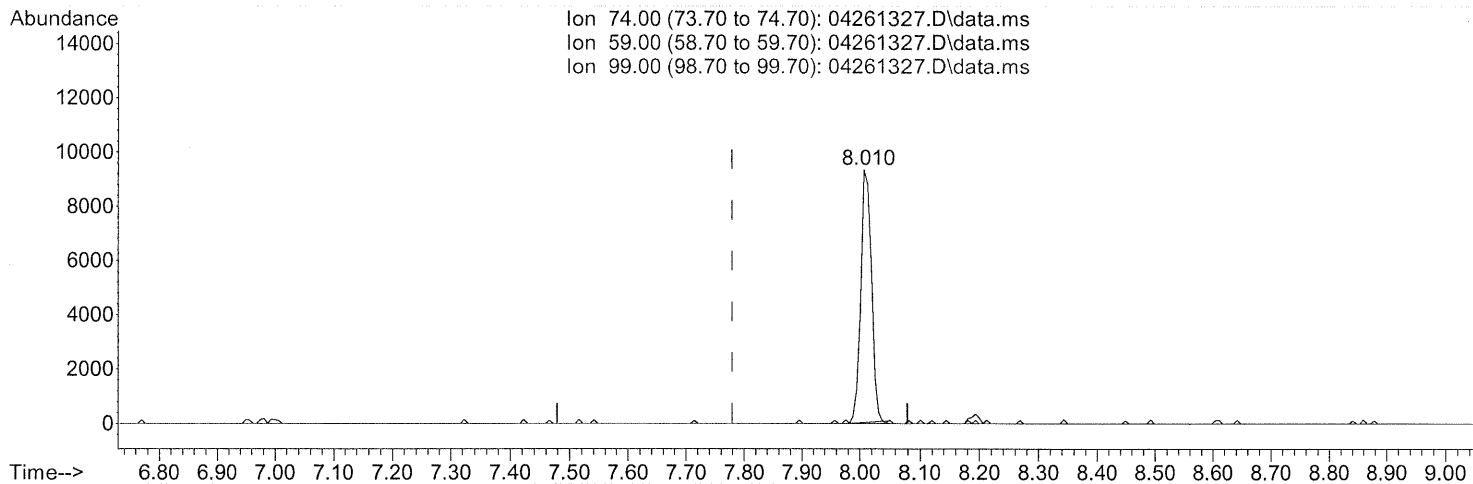
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Acetic acid	0.00	74	0	N.D.		
3) Propanoic acid	0.00	57	0	N.D.		
4) 2-Methylpropanoic acid	0.00	71	0	N.D.		
5) Butanoic acid	0.00	74	0	N.D.		
6) 2-Methylbutanoic acid	0.00	88	0	N.D.		
7) 3-Methylbutanoic acid	0.00	74	0	N.D.		
8) Pentanoic acid	0.00	74	0	N.D.		
9) 2-Methylpentanoic acid	0.00	88	0	N.D.		
10) 3-Methylpentanoic acid	0.00	74	0	N.D.	d	
11) 4-Methylpentanoic acid	0.00	74	0	N.D.	d	
12) Hexanoic acid	0.00	74	0	N.D.	d	
14) Heptanoic acid	0.00	74	0	N.D.		
15) 2-Ethylhexanoic acid	0.00	87	0	N.D.		
16) Cyclohexanecarboxylic ...	0.00	55	0	N.D.		
17) Octanoic acid	0.00	74	0	N.D.		
18) Benzoic acid	0.00	105	0	N.D.		
20) Nonanoic acid	0.00	74	0	N.D.		
21) Decanoic Acid	0.00	74	0	N.D.		

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (Qedit)

Data Path : J:\MS14\DATA\ACIDS\2013_04\26\
 Data File : 04261327.D
 Acq On : 26 Apr 2013 7:21 pm
 Operator : EI
 Sample : P1301655-005 Back 1.0ml
 Misc :
 ALS Vial : 26 Sample Multiplier: 1

Quant Time: Apr 27 08:49:39 2013
 Quant Method : J:\MS14\METHODS\CA100912E.M
 Quant Title : Short Chain Carboxylic Acids in Air
 QLast Update : Fri Apr 05 11:12:06 2013
 Response via : Initial Calibration



(10) 3-Methylpentanoic acid (T)

8.013min (+0.234) 0.49ug/ml

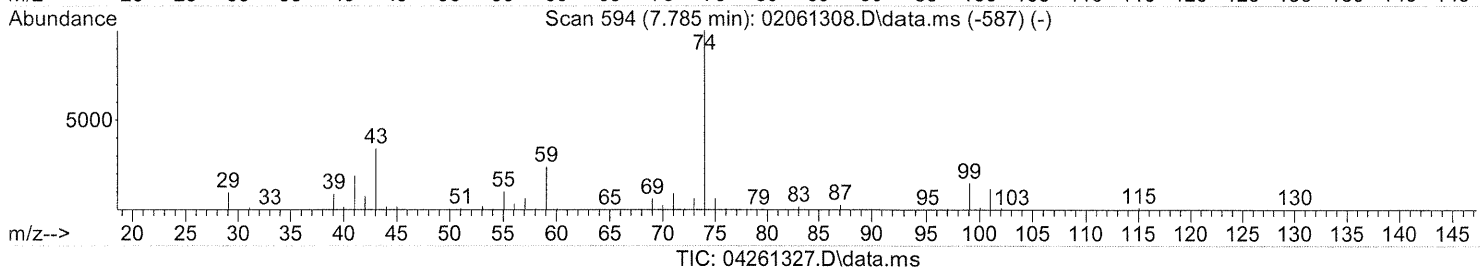
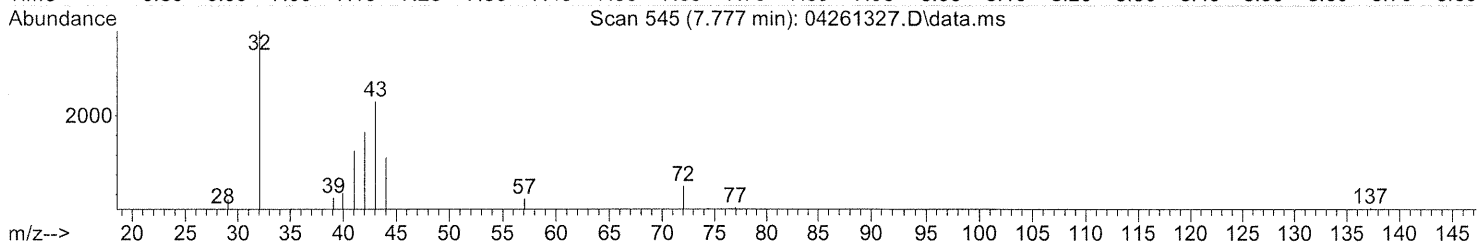
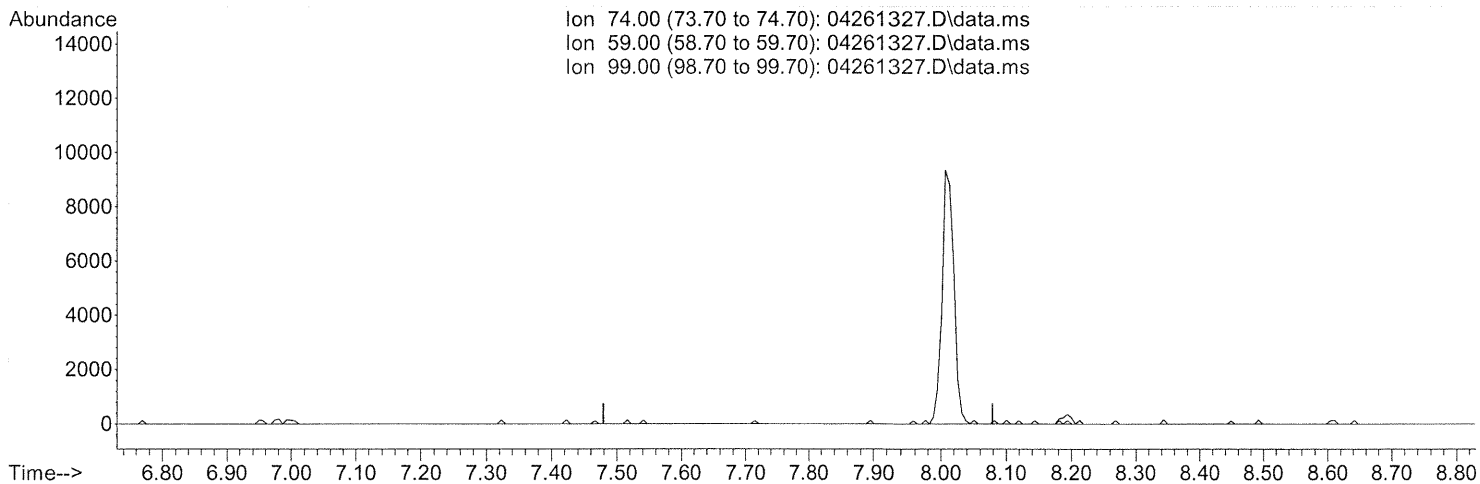
response 116603

Ion	Exp%	Act%
74.00	100	100
59.00	24.00	0.00#
99.00	14.70	0.00
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : J:\MS14\DATA\ACIDS\2013_04\26\
 Data File : 04261327.D
 Acq On : 26 Apr 2013 7:21 pm
 Operator : EI
 Sample : P1301655-005 Back 1.0ml
 Misc :
 ALS Vial : 26 Sample Multiplier: 1

Quant Time: Apr 27 08:49:39 2013
 Quant Method : J:\MS14\METHODS\CA100912E.M
 Quant Title : Short Chain Carboxylic Acids in Air
 QLast Update : Fri Apr 05 11:12:06 2013
 Response via : Initial Calibration



(10) 3-Methylpentanoic acid (T)

7.780min 0.00ug/ml d

response 0

Ion	Exp%	Act%
74.00	100	0.00
59.00	24.00	0.00
99.00	14.70	0.00
0.00	0.00	0.00

FP 5/1/13

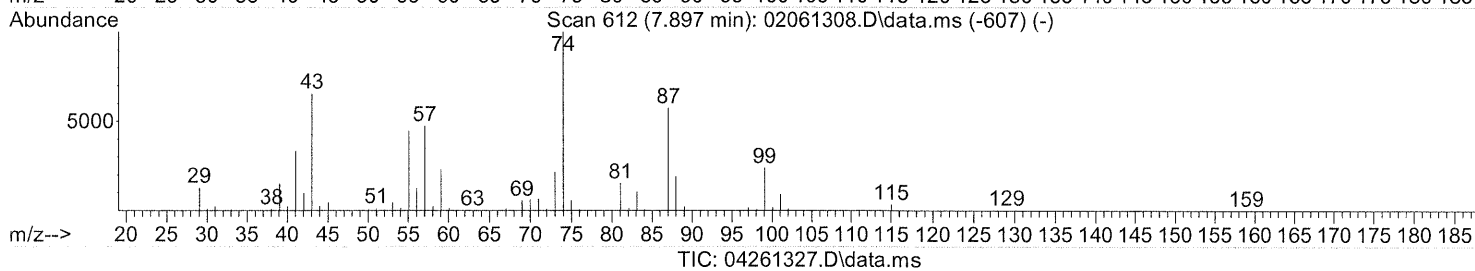
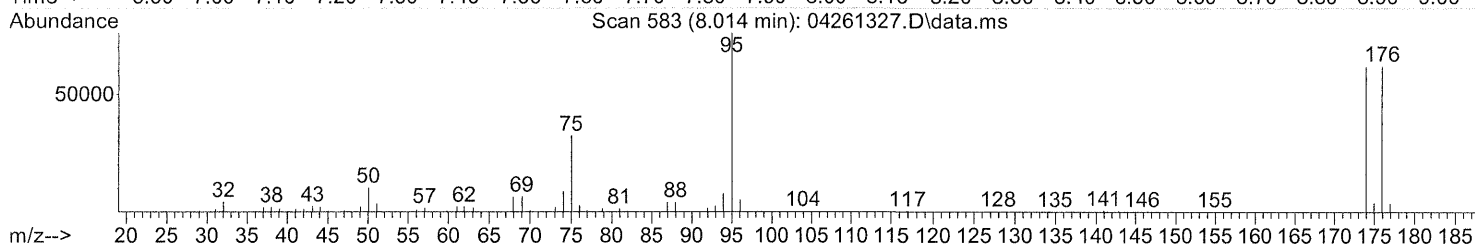
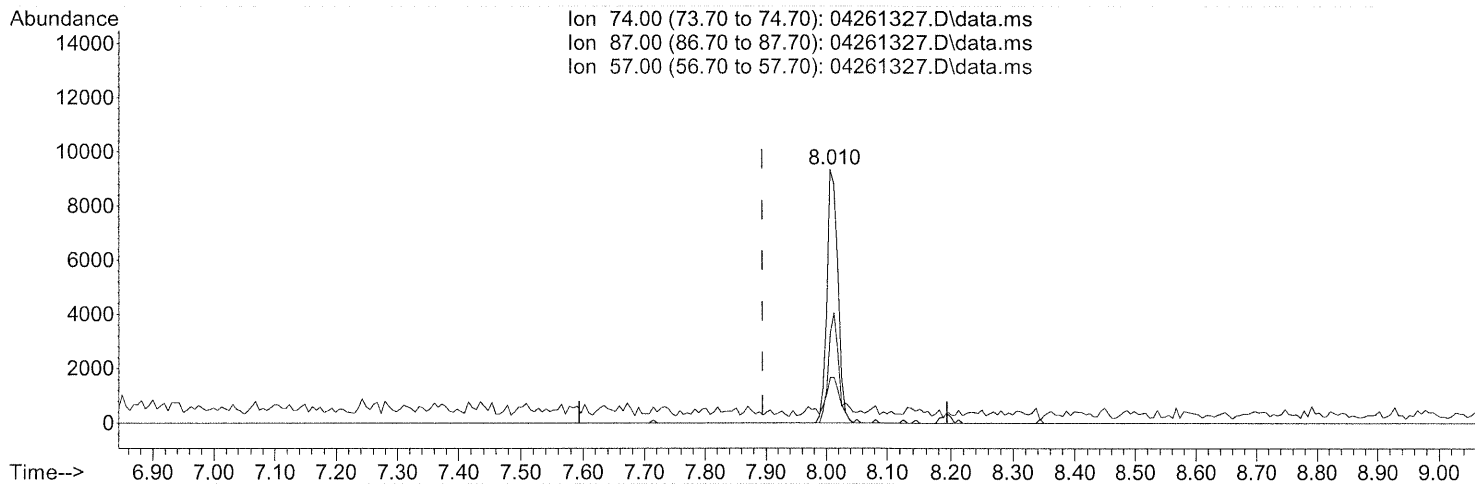
ET

(Handwritten signature)
5/1/13

Quantitation Report (Qedit)

Data Path : J:\MS14\DATA\ACIDS\2013_04\26\
 Data File : 04261327.D
 Acq On : 26 Apr 2013 7:21 pm
 Operator : EI
 Sample : P1301655-005 Back 1.0ml
 Misc :
 ALS Vial : 26 Sample Multiplier: 1

Quant Time: Apr 27 08:49:39 2013
 Quant Method : J:\MS14\METHODS\CA100912E.M
 Quant Title : Short Chain Carboxylic Acids in Air
 QLast Update : Fri Apr 05 11:12:06 2013
 Response via : Initial Calibration



(11) 4-Methylpentanoic acid (T)

8.013min (+0.119) 0.99ug/ml

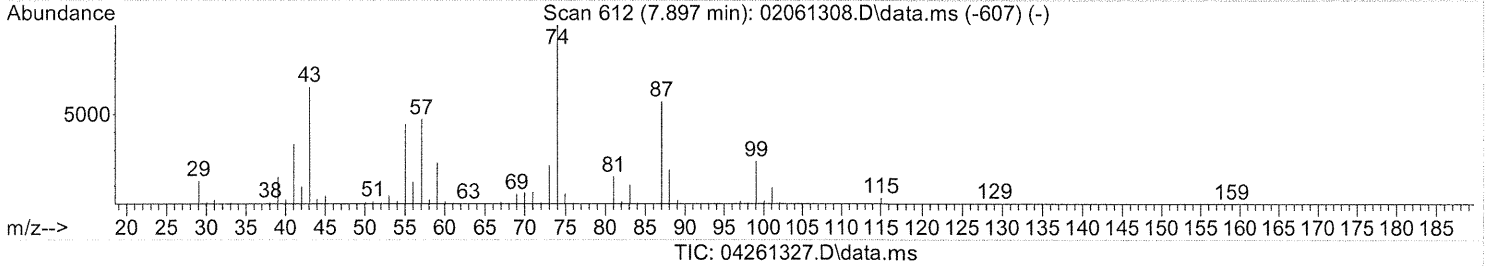
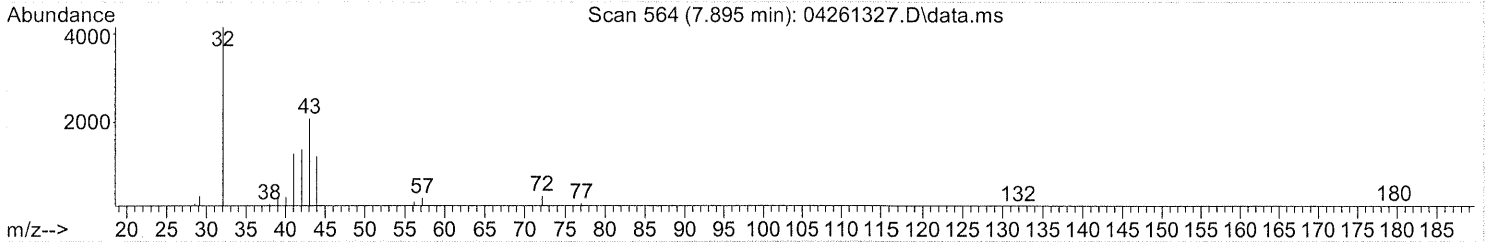
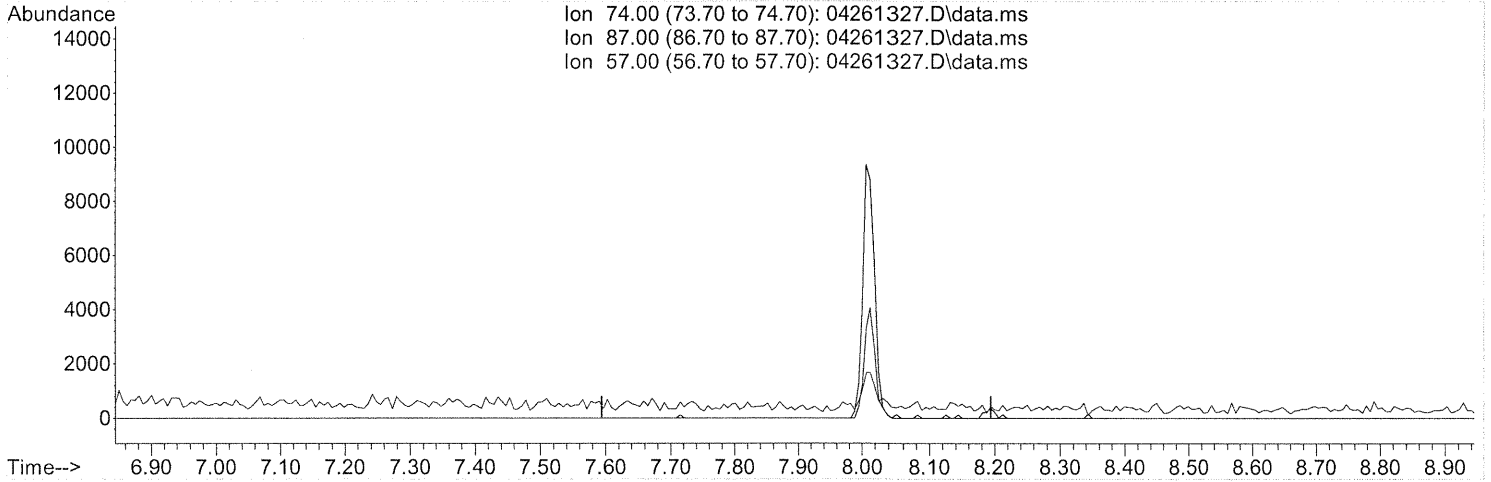
response 118525

Ion	Exp%	Act%
74.00	100	100
87.00	57.30	40.03
57.00	47.30	0.00#
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : J:\MS14\DATA\ACIDS\2013_04\26\
 Data File : 04261327.D
 Acq On : 26 Apr 2013 7:21 pm
 Operator : EI
 Sample : P1301655-005 Back 1.0ml
 Misc :
 ALS Vial : 26 Sample Multiplier: 1

Quant Time: Apr 27 08:49:39 2013
 Quant Method : J:\MS14\METHODS\CA100912E.M
 Quant Title : Short Chain Carboxylic Acids in Air
 QLast Update : Fri Apr 05 11:12:06 2013
 Response via : Initial Calibration



(11) 4-Methylpentanoic acid (T)

7.894min 0.00ug/ml d

response 0

Ion	Exp%	Act%
74.00	100	0.00
87.00	57.30	0.00
57.00	47.30	0.00
0.00	0.00	0.00

FP 5/1/13

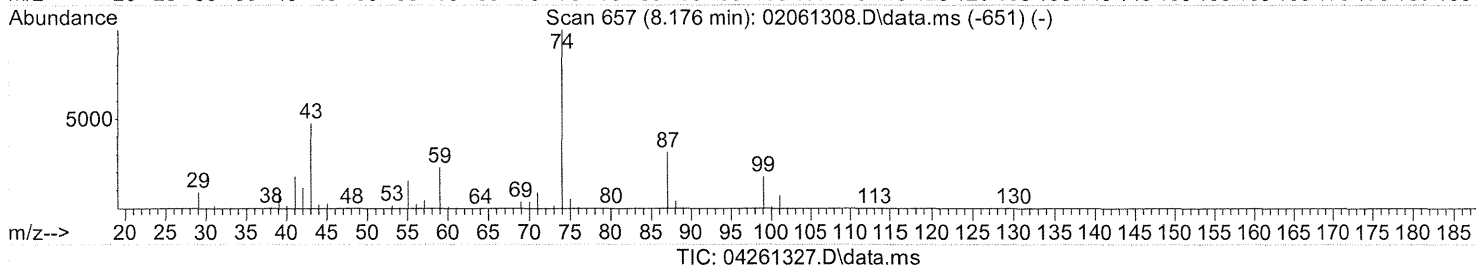
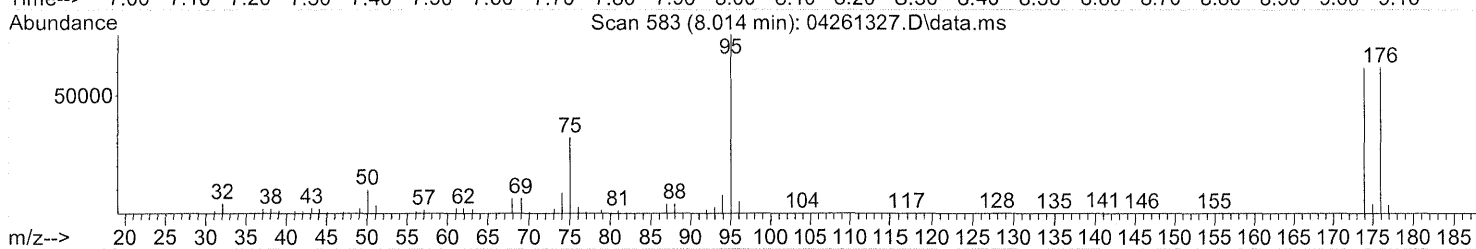
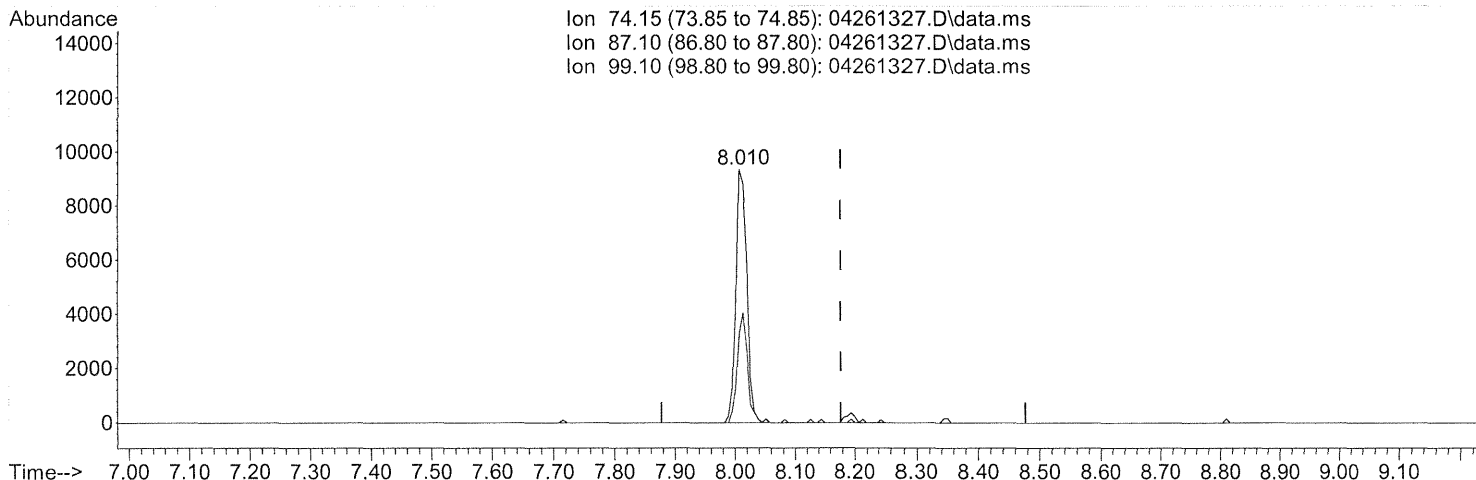
EI

①
5/1/13

Quantitation Report (Qedit)

Data Path : J:\MS14\DATA\ACIDS\2013_04\26\
 Data File : 04261327.D
 Acq On : 26 Apr 2013 7:21 pm
 Operator : EI
 Sample : P1301655-005 Back 1.0ml
 Misc :
 ALS Vial : 26 Sample Multiplier: 1

Quant Time: Apr 27 08:49:39 2013
 Quant Method : J:\MS14\METHODS\CA100912E.M
 Quant Title : Short Chain Carboxylic Acids in Air
 QLast Update : Fri Apr 05 11:12:06 2013
 Response via : Initial Calibration



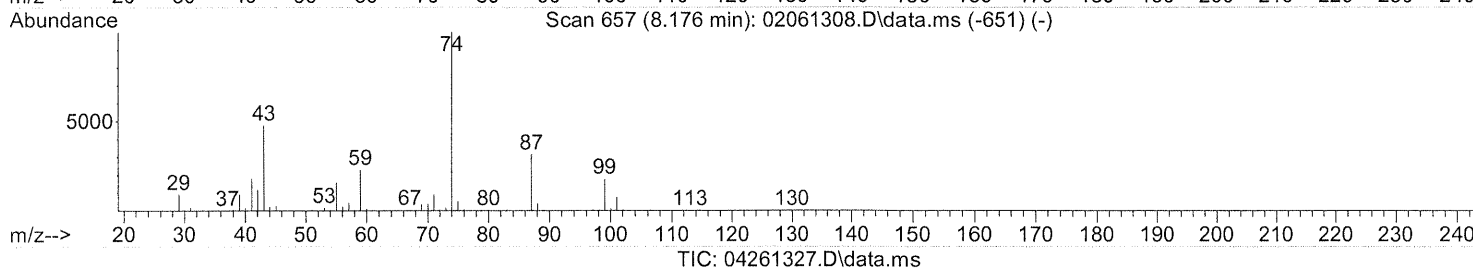
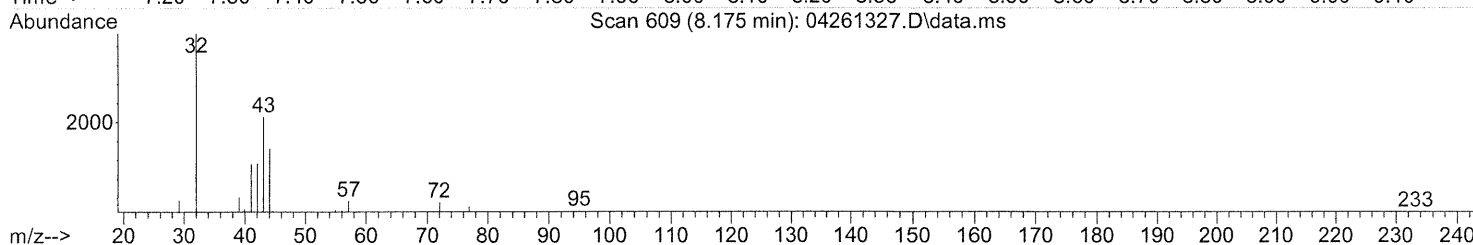
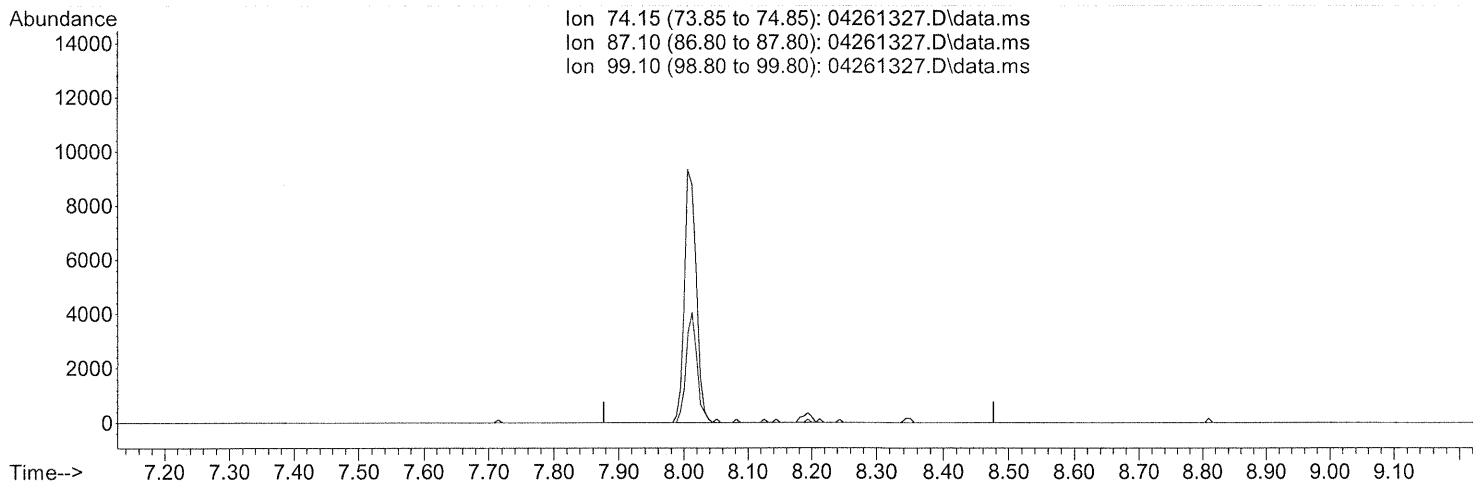
(12) Hexanoic acid (T)
 8.013min (-0.164) 0.57ug/ml
 response 118523

Ion	Exp%	Act%
74.15	100	100
87.10	31.40	40.03
99.10	17.80	0.00
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : J:\MS14\DATA\ACIDS\2013_04\26\
 Data File : 04261327.D
 Acq On : 26 Apr 2013 7:21 pm
 Operator : EI
 Sample : P1301655-005 Back 1.0ml
 Misc :
 ALS Vial : 26 Sample Multiplier: 1

Quant Time: Apr 27 08:49:39 2013
 Quant Method : J:\MS14\METHODS\CA100912E.M
 Quant Title : Short Chain Carboxylic Acids in Air
 QLast Update : Fri Apr 05 11:12:06 2013
 Response via : Initial Calibration



(12) Hexanoic acid (T)
 8.177min 0.00ug/ml d
 response 0

FD 5/1/13

Et

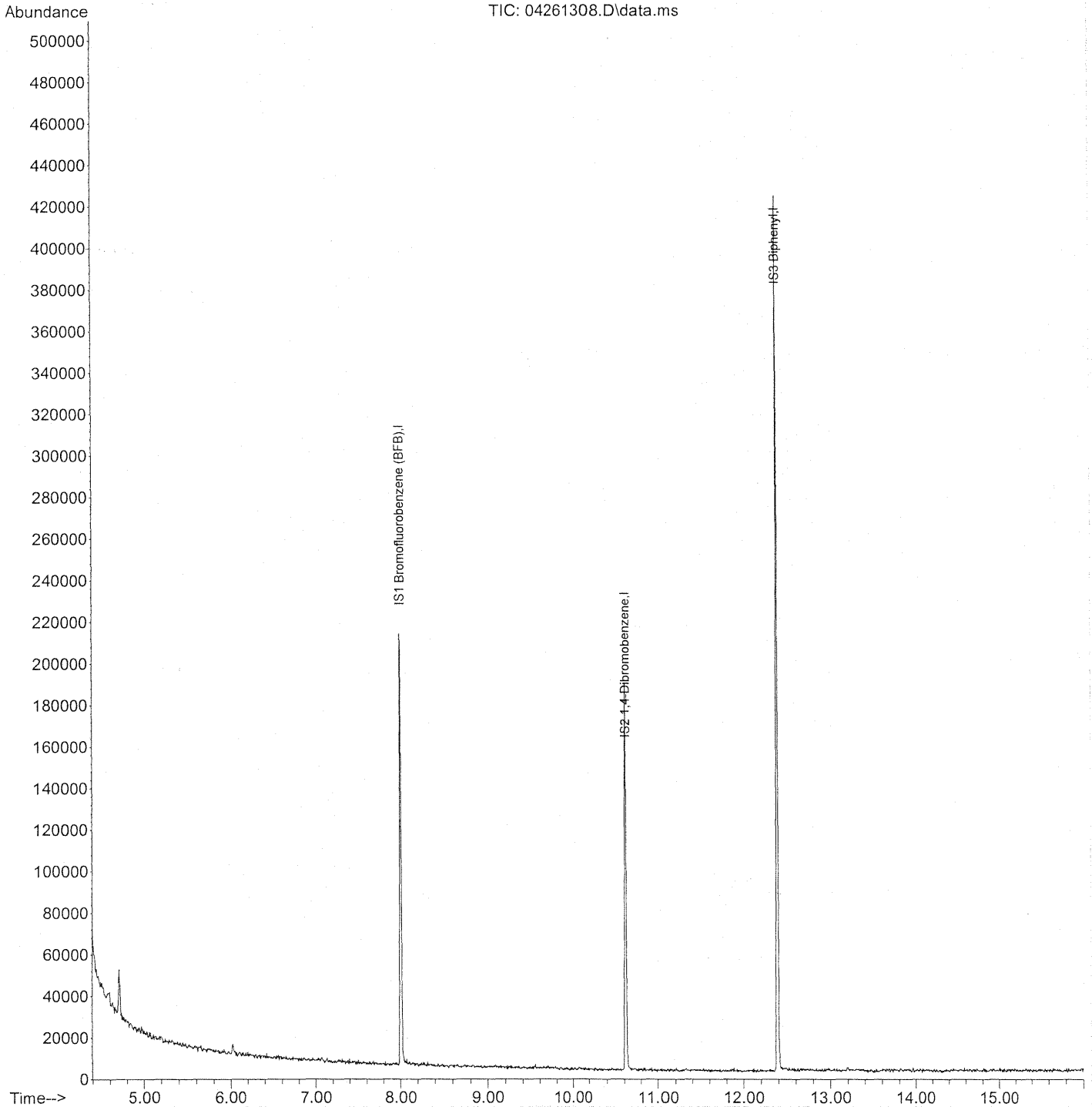
①
 5/1/13

Ion	Exp%	Act%
74.15	100	0.00
87.10	31.40	0.00
99.10	17.80	0.00
0.00	0.00	0.00

Quantitation Report (QT Reviewed)

Data Path : J:\MS14\DATA\ACIDS\2013_04\26\
Data File : 04261308.D
Acq On : 26 Apr 2013 12:02 pm
Operator : EI
Sample : MB 1.0ml
Misc :
ALS Vial : 8 Sample Multiplier: 1

Quant Time: Apr 29 15:34:36 2013
Quant Method : J:\MS14\METHODS\CA100912E.M
Quant Title : Short Chain Carboxylic Acids in Air
QLast Update : Fri Apr 05 11:12:06 2013
Response via : Initial Calibration



Data Path : J:\MS14\DATA\ACIDS\2013_04\26\
 Data File : 04261308.D
 Acq On : 26 Apr 2013 12:02 pm
 Operator : EI
 Sample : MB 1.0ml
 Misc :
 ALS Vial : 8 Sample Multiplier: 1

4/29/13
 85

Quant Time: Apr 29 15:34:36 2013
 Quant Method : J:\MS14\METHODS\CA100912E.M
 Quant Title : Short Chain Carboxylic Acids in Air
 QLast Update : Fri Apr 05 11:12:06 2013
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) IS1 Bromofluorobenzene...	8.01	95	534102	10.00	ug/ml	0.00
13) IS2 1,4-Dibromobenzene	10.62	236	400764	10.00	ug/ml	0.00
19) IS3 Biphenyl	12.40	154	1770471	10.00	ug/ml	0.00

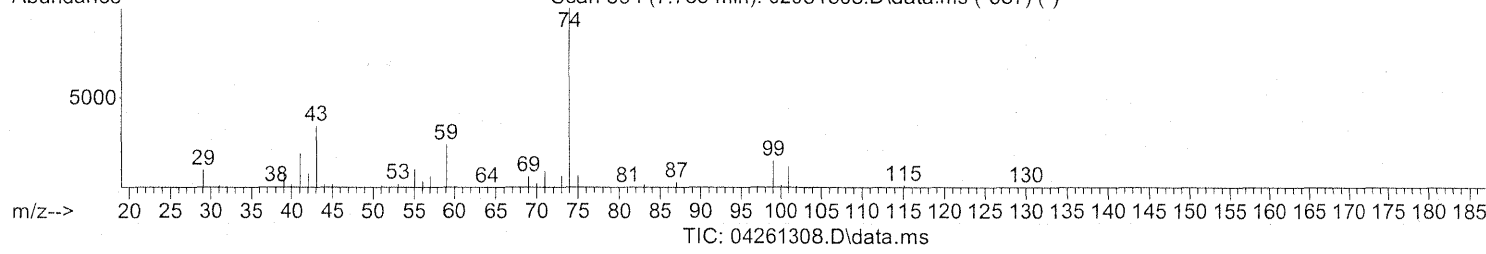
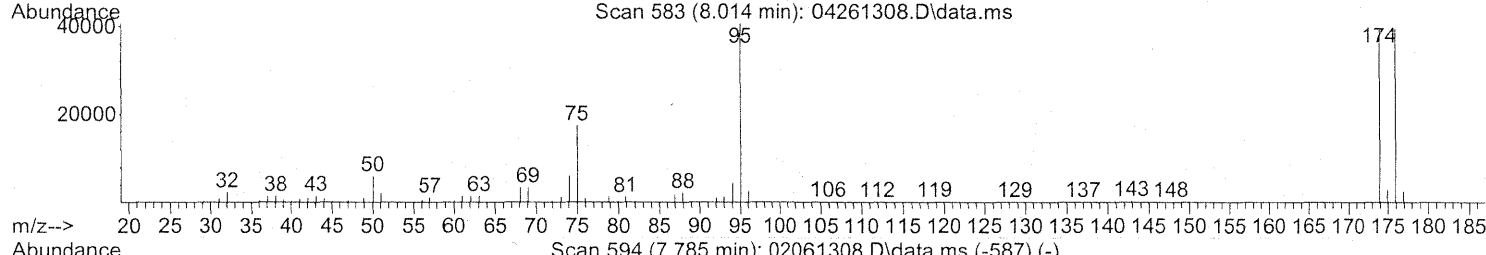
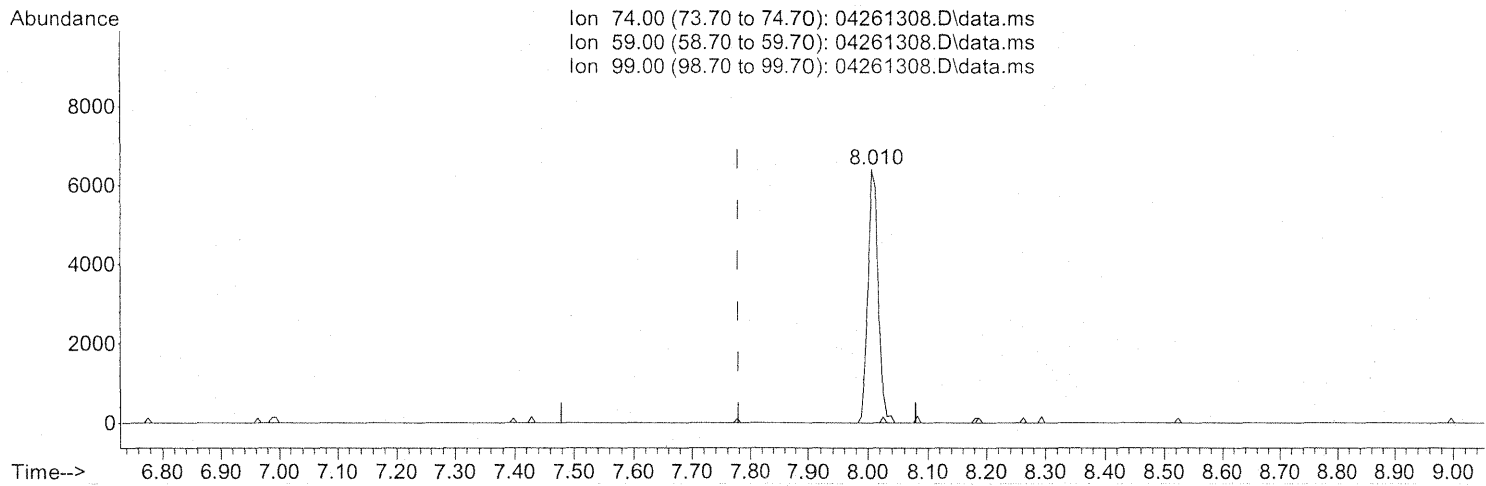
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Acetic acid	0.00	74	0	N.D.		
3) Propanoic acid	0.00	57	0	N.D.		
4) 2-Methylpropanoic acid	0.00	71	0	N.D.		
5) Butanoic acid	0.00	74	0	N.D.		
6) 2-Methylbutanoic acid	0.00	88	0	N.D.		
7) 3-Methylbutanoic acid	0.00	74	0	N.D.		
8) Pentanoic acid	0.00	74	0	N.D.		
9) 2-Methylpentanoic acid	0.00	88	0	N.D.		
10) 3-Methylpentanoic acid	0.00	74	0	N.D.	d	
11) 4-Methylpentanoic acid	0.00	74	0	N.D.	d	
12) Hexanoic acid	0.00	74	0	N.D.	d	
14) Heptanoic acid	0.00	74	0	N.D.		
15) 2-Ethylhexanoic acid	0.00	87	0	N.D.		
16) Cyclohexanecarboxylic ...	0.00	55	0	N.D.		
17) Octanoic acid	0.00	74	0	N.D.		
18) Benzoic acid	0.00	105	0	N.D.		
20) Nonanoic acid	0.00	74	0	N.D.		
21) Decanoic Acid	0.00	74	0	N.D.		

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (Qedit)

Data Path : J:\MS14\DATA\ACIDS\2013_04\26\
 Data File : 04261308.D
 Acq On : 26 Apr 2013 12:02 pm
 Operator : EI
 Sample : MB 1.0ml
 Misc :
 ALS Vial : 8 Sample Multiplier: 1

Quant Time: Apr 26 12:48:40 2013
 Quant Method : J:\MS14\METHODS\CA100912E.M
 Quant Title : Short Chain Carboxylic Acids in Air
 QLast Update : Fri Apr 05 11:12:06 2013
 Response via : Initial Calibration



(10) 3-Methylpentanoic acid (T)

8.013min (+0.233) 0.57ug/ml

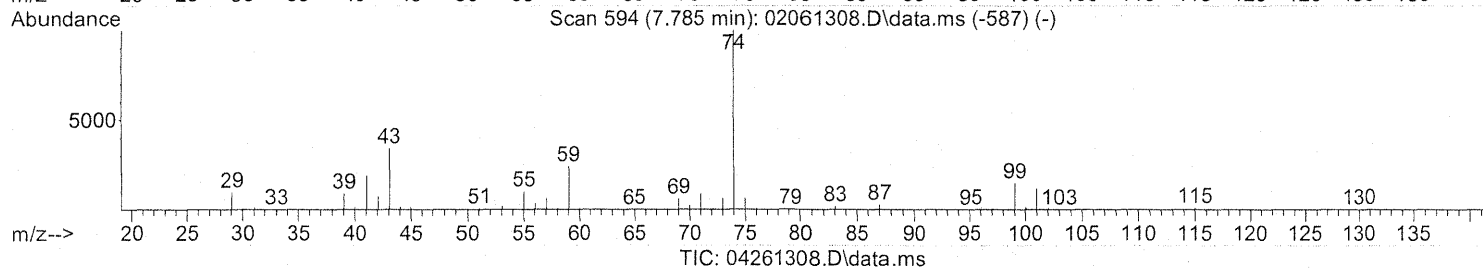
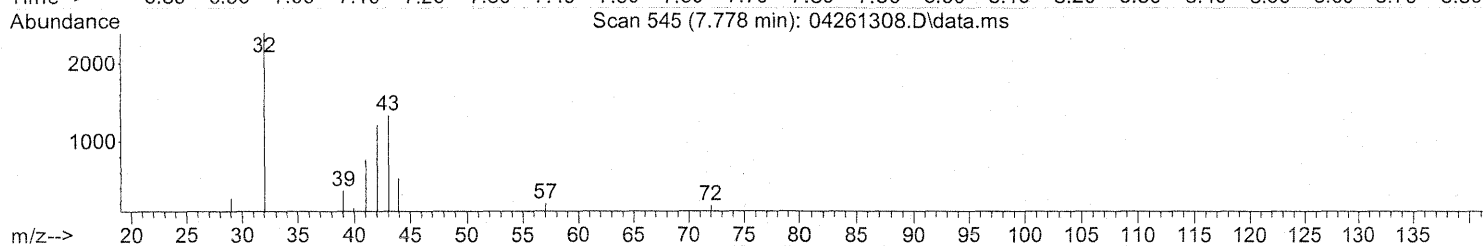
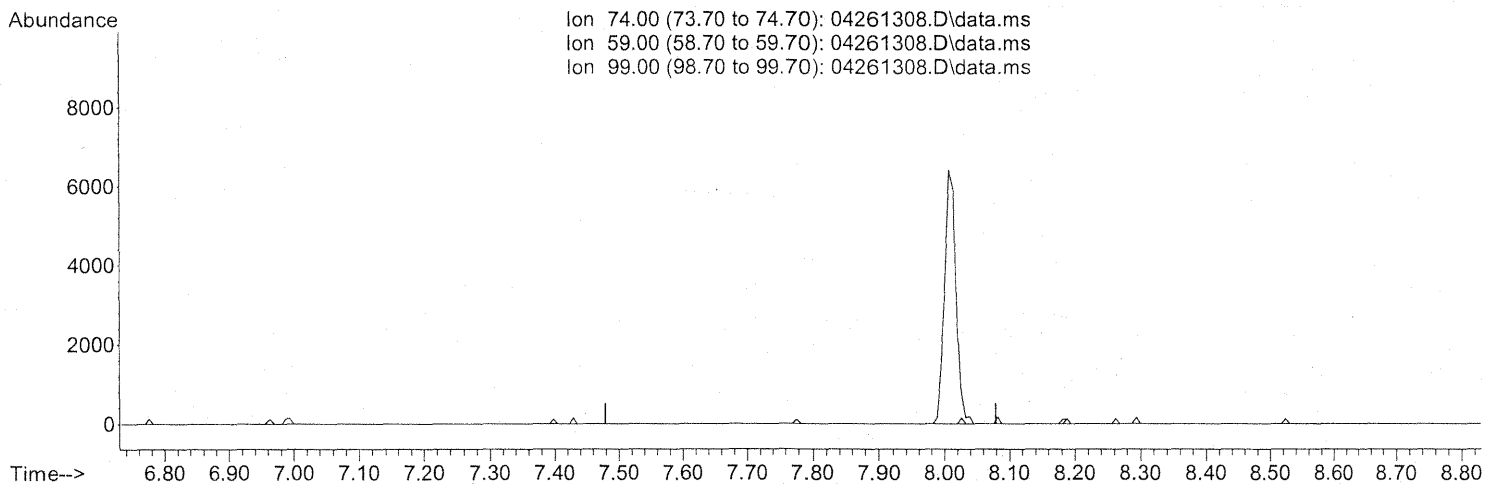
response 77818

Ion	Exp%	Act%
74.00	100	100
59.00	24.00	0.00#
99.00	14.70	0.00
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : J:\MS14\DATA\ACIDS\2013_04\26\
 Data File : 04261308.D
 Acq On : 26 Apr 2013 12:02 pm
 Operator : EI
 Sample : MB 1.0ml
 Misc :
 ALS Vial : 8 Sample Multiplier: 1

Quant Time: Apr 26 12:48:40 2013
 Quant Method : J:\MS14\METHODS\CA100912E.M
 Quant Title : Short Chain Carboxylic Acids in Air
 QLast Update : Fri Apr 05 11:12:06 2013
 Response via : Initial Calibration



(10) 3-Methylpentanoic acid (T)

7.780min 0.00ug/ml d

response 0

Ion	Exp%	Act%
74.00	100	0.00
59.00	24.00	0.00
99.00	14.70	0.00
0.00	0.00	0.00

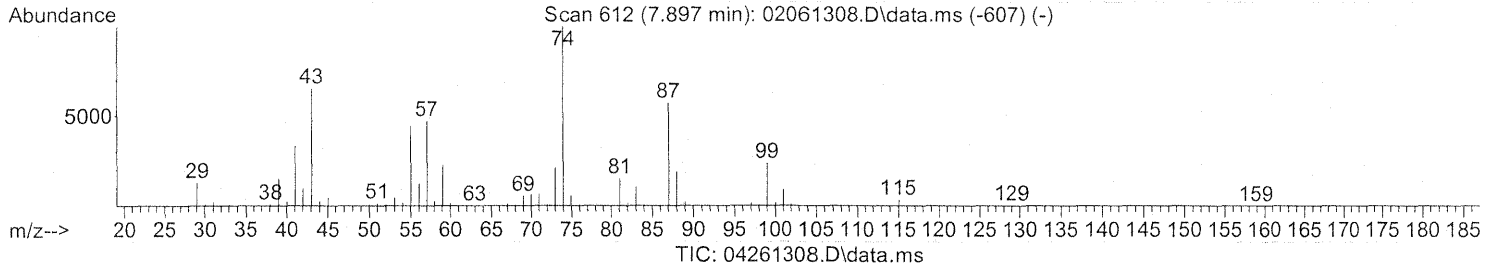
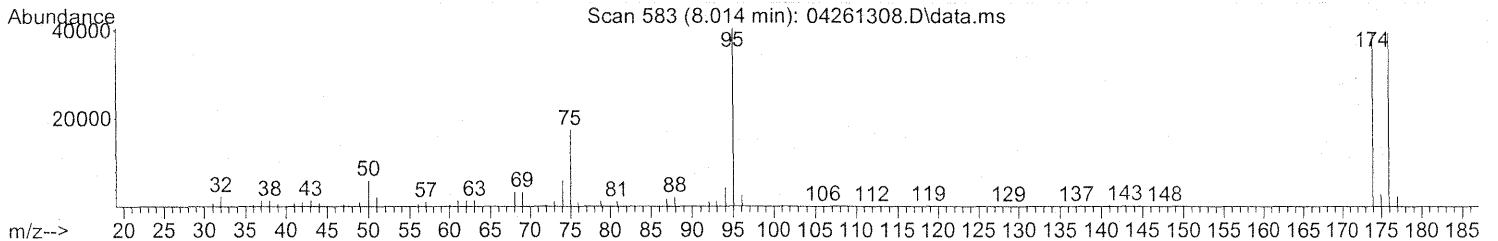
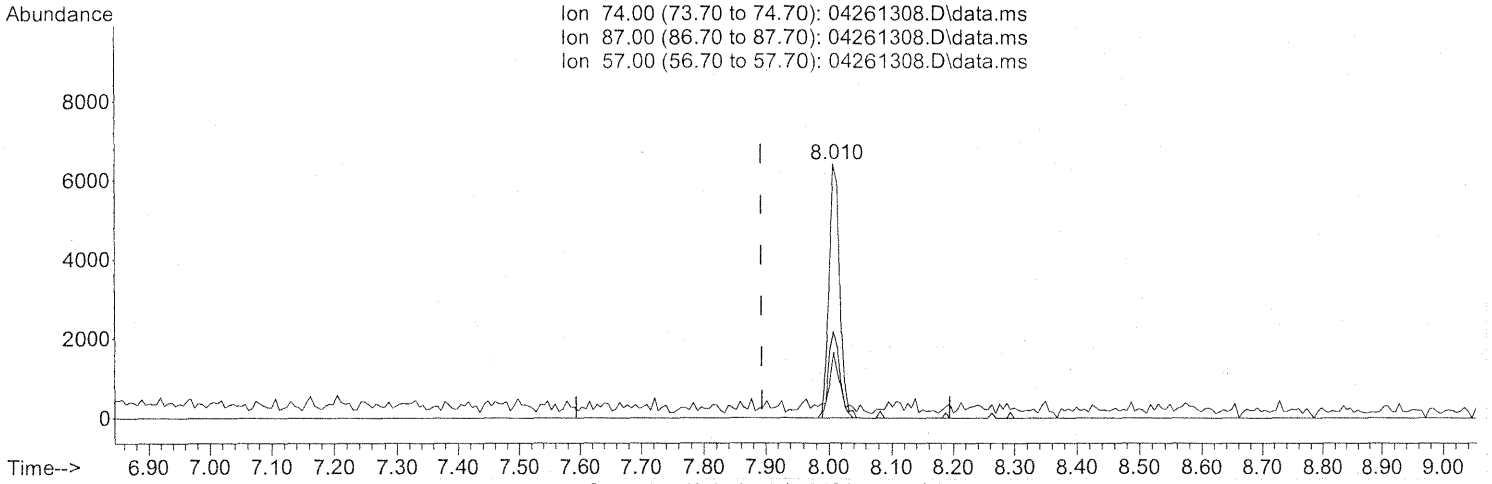
FP 4/29/13
 EI

zu
 4/30/13

Quantitation Report (Qedit)

Data Path : J:\MS14\DATA\ACIDS\2013_04\26\
 Data File : 04261308.D
 Acq On : 26 Apr 2013 12:02 pm
 Operator : EI
 Sample : MB 1.0ml
 Misc :
 ALS Vial : 8 Sample Multiplier: 1

Quant Time: Apr 26 12:48:40 2013
 Quant Method : J:\MS14\METHODS\CA100912E.M
 Quant Title : Short Chain Carboxylic Acids in Air
 QLast Update : Fri Apr 05 11:12:06 2013
 Response via : Initial Calibration



(11) 4-Methylpentanoic acid (T)

8.013min (+0.118) 1.13ug/ml

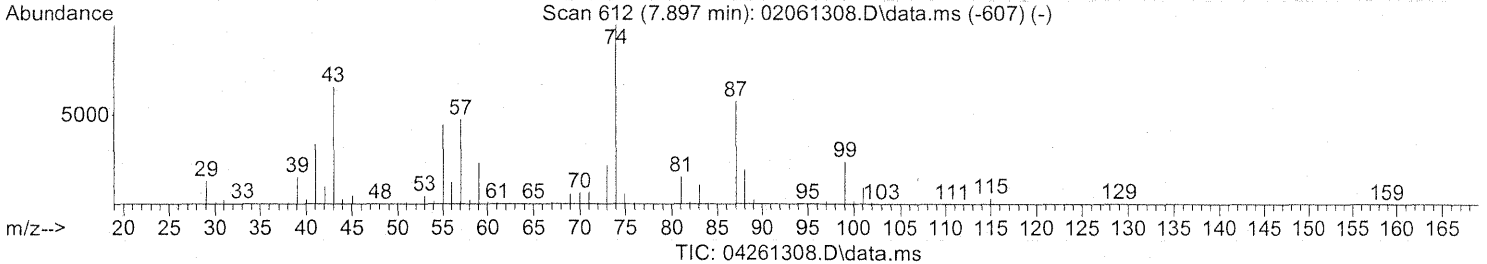
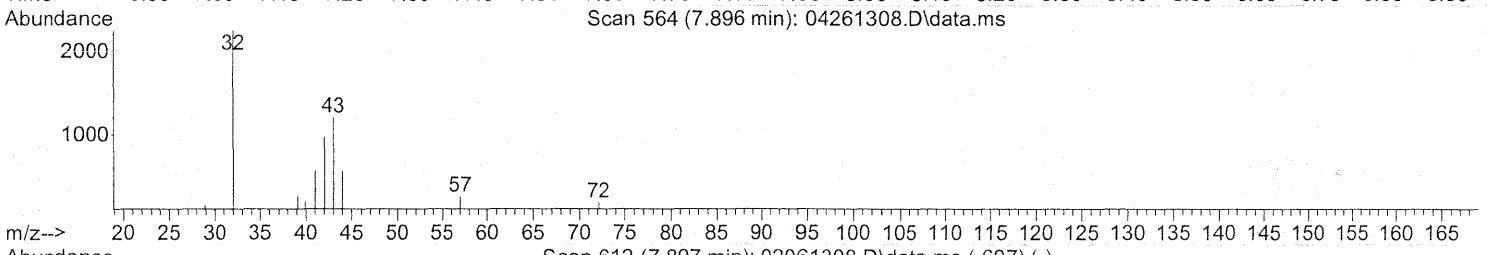
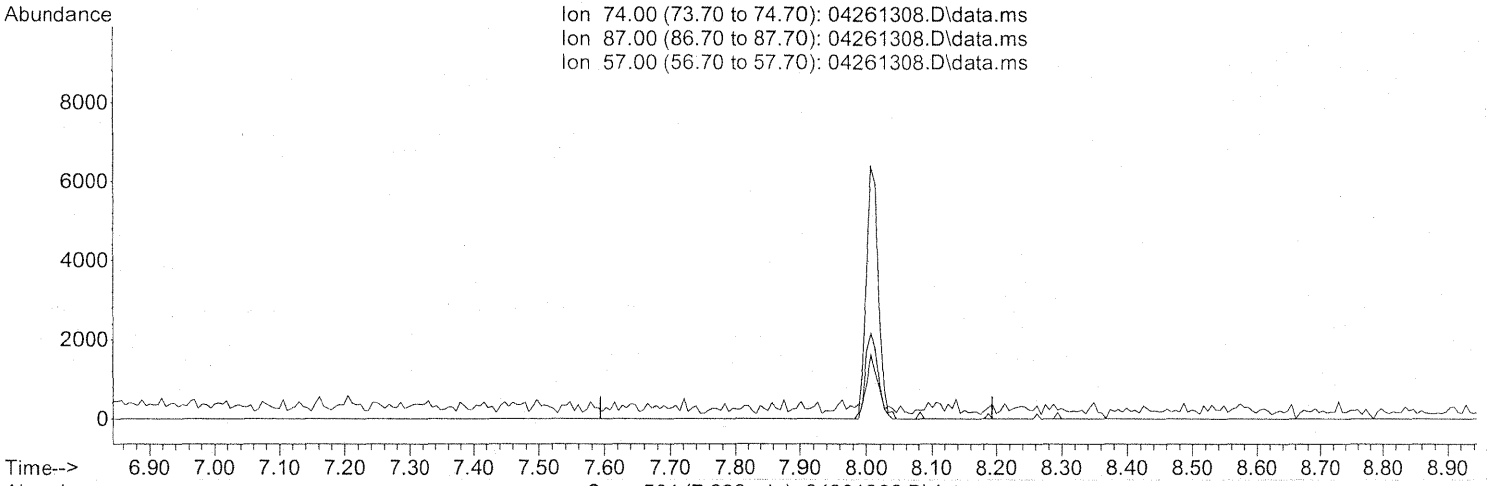
response 77818

Ion	Exp%	Act%
74.00	100	100
87.00	57.30	34.53#
57.00	47.30	29.68
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : J:\MS14\DATA\ACIDS\2013_04\26\
 Data File : 04261308.D
 Acq On : 26 Apr 2013 12:02 pm
 Operator : EI
 Sample : MB 1.0ml
 Misc :
 ALS Vial : 8 Sample Multiplier: 1

Quant Time: Apr 26 12:48:40 2013
 Quant Method : J:\MS14\METHODS\CA100912E.M
 Quant Title : Short Chain Carboxylic Acids in Air
 QLast Update : Fri Apr 05 11:12:06 2013
 Response via : Initial Calibration



(11) 4-Methylpentanoic acid (T)

7.894min 0.00ug/ml d

response 0

Ion	Exp%	Act%
74.00	100	0.00
87.00	57.30	0.00
57.00	47.30	0.00
0.00	0.00	0.00

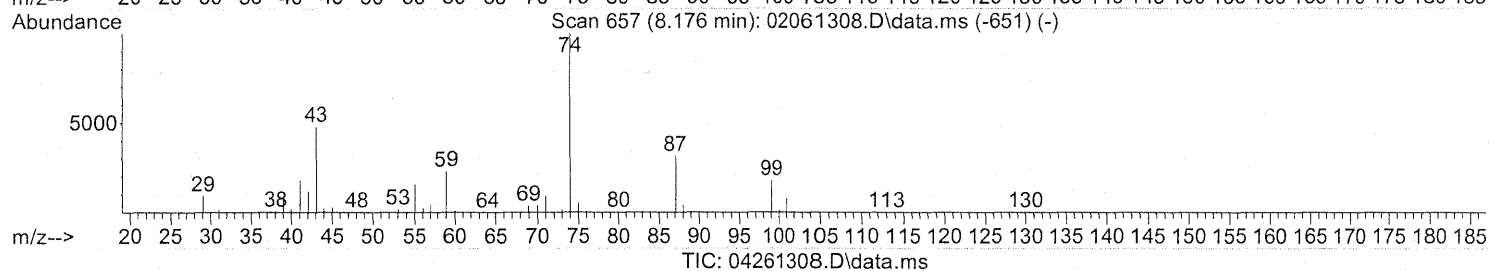
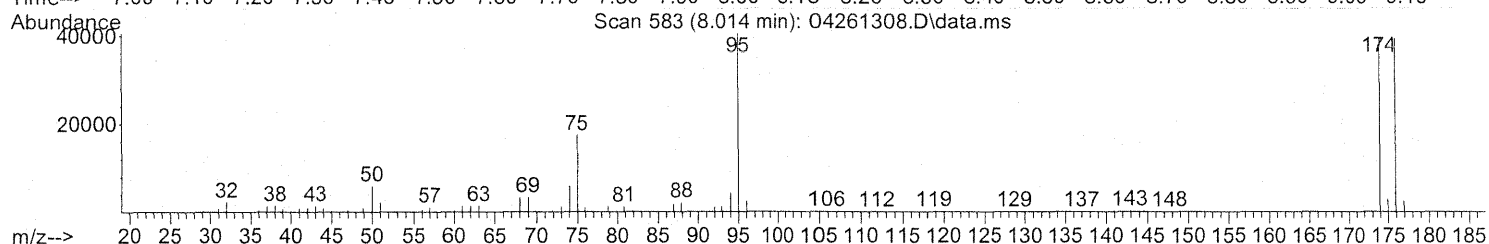
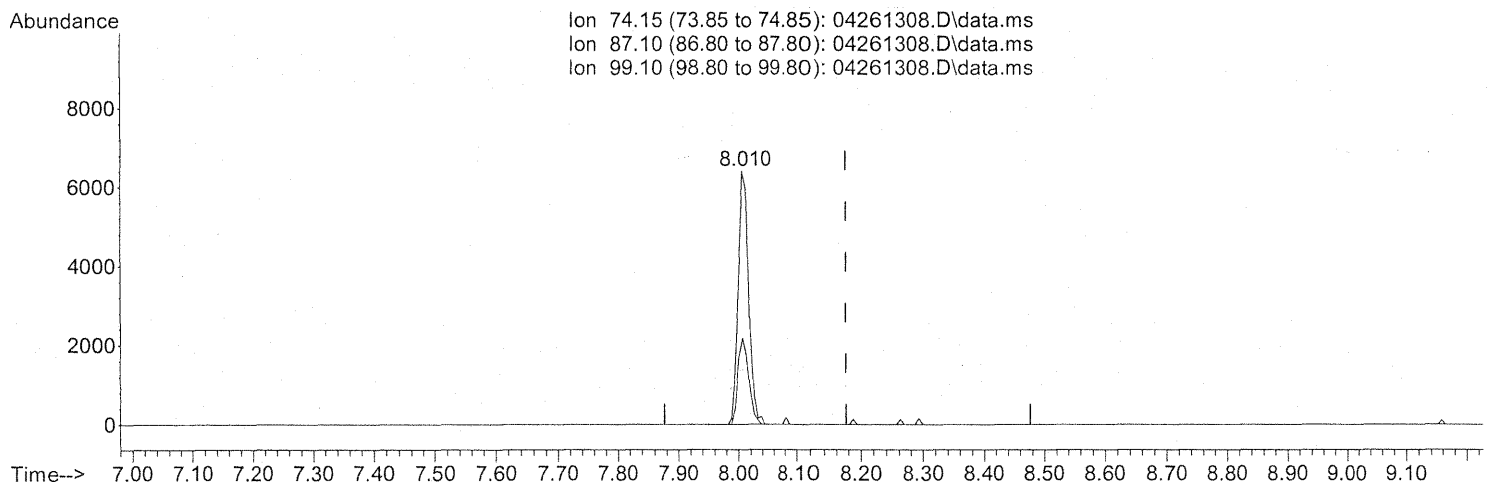
FP 4/24/13
 EI

ZW
 4/30/13

Quantitation Report (Qedit)

Data Path : J:\MS14\DATA\ACIDS\2013_04\26\
 Data File : 04261308.D
 Acq On : 26 Apr 2013 12:02 pm
 Operator : EI
 Sample : MB 1.0ml
 Misc :
 ALS Vial : 8 Sample Multiplier: 1

Quant Time: Apr 26 12:48:40 2013
 Quant Method : J:\MS14\METHODS\CA100912E.M
 Quant Title : Short Chain Carboxylic Acids in Air
 QLast Update : Fri Apr 05 11:12:06 2013
 Response via : Initial Calibration



(12) Hexanoic acid (T)

8.013min (-0.164) 0.66ug/ml

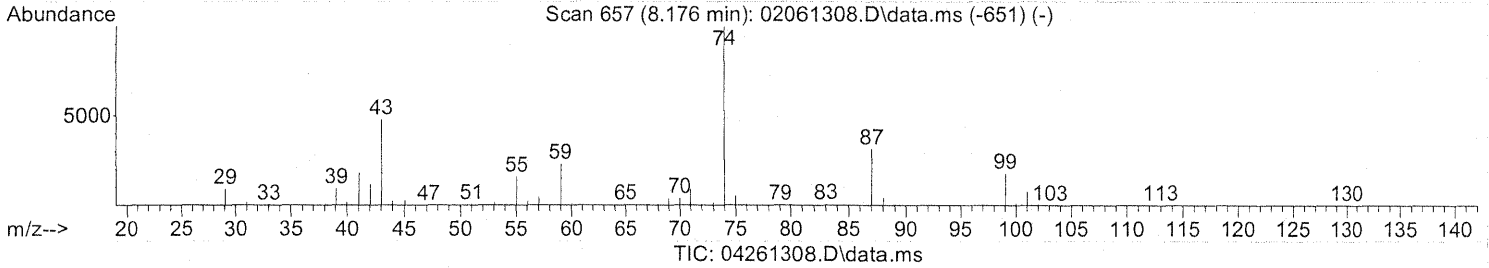
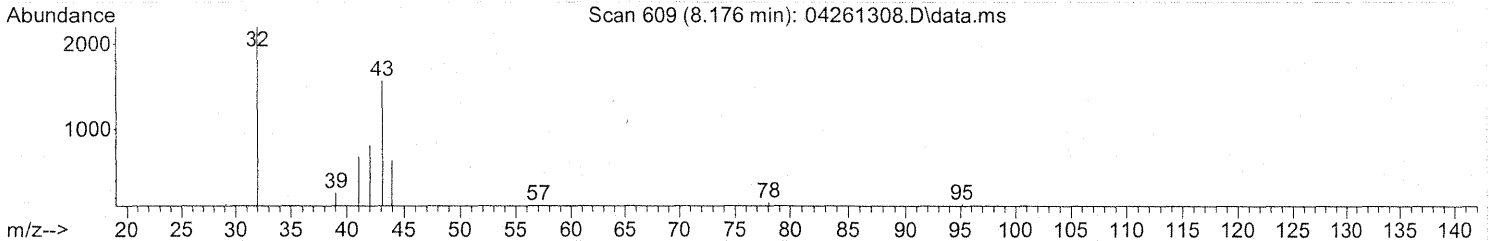
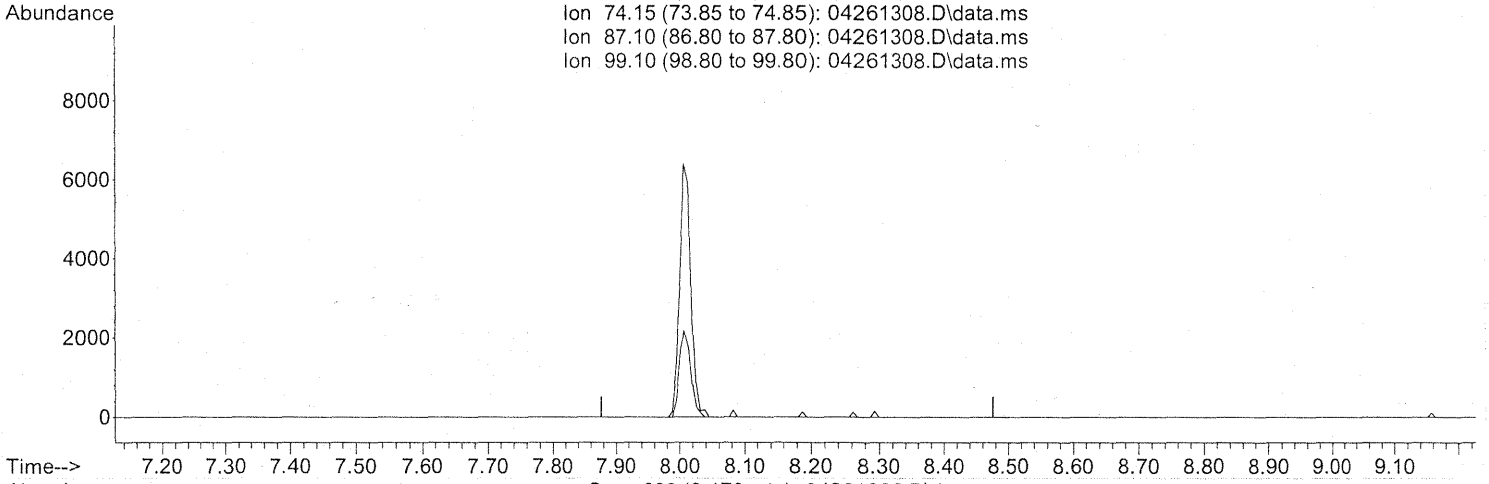
response 77818

Ion	Exp%	Act%
74.15	100	100
87.10	31.40	34.53
99.10	17.80	0.00
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : J:\MS14\DATA\ACIDS\2013_04\26\
 Data File : 04261308.D
 Acq On : 26 Apr 2013 12:02 pm
 Operator : EI
 Sample : MB 1.0ml
 Misc :
 ALS Vial : 8 Sample Multiplier: 1

Quant Time: Apr 26 12:48:40 2013
 Quant Method : J:\MS14\METHODS\CA100912E.M
 Quant Title : Short Chain Carboxylic Acids in Air
 QLast Update : Fri Apr 05 11:12:06 2013
 Response via : Initial Calibration



(12) Hexanoic acid (T)

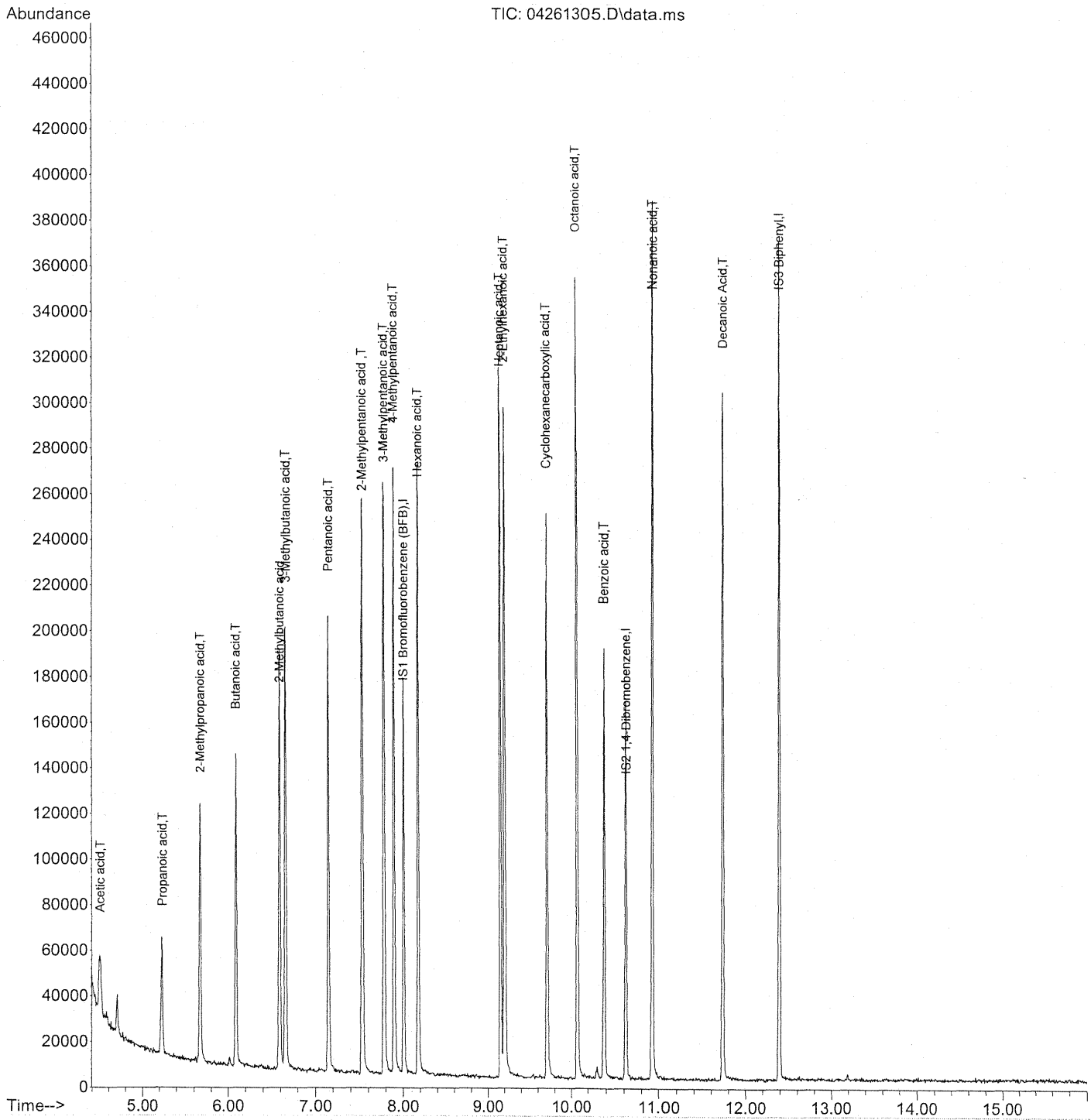
8.177min	0.00ug/ml d	
response	0	
Ion	Exp%	Act%
74.15	100	0.00
87.10	31.40	0.00
99.10	17.80	0.00
0.00	0.00	0.00

FP 4/29/13
 ET

ZW
 4/30/13

Data Path : J:\MS14\DATA\ACIDS\2013_04\26\
 Data File : 04261305.D
 Acq On : 26 Apr 2013 11:01 am
 Operator : EI
 Sample : SS 10/20ug/ml
 Misc :
 ALS Vial : 5 Sample Multiplier: 1

Quant Time: Apr 26 11:20:30 2013
 Quant Method : J:\MS14\METHODS\CA100912E.M
 Quant Title : Short Chain Carboxylic Acids in Air
 QLast Update : Fri Apr 05 11:12:06 2013
 Response via : Initial Calibration



Data Path : J:\MS14\DATA\ACIDS\2013_04\26\
 Data File : 04261305.D
 Acq On : 26 Apr 2013 11:01 am
 Operator : EI
 Sample : SS 10/20ug/ml
 Misc :
 ALS Vial : 5 Sample Multiplier: 1

Quant Time: Apr 26 11:20:30 2013
 Quant Method : J:\MS14\METHODS\CA100912E.M
 Quant Title : Short Chain Carboxylic Acids in Air
 QLast Update : Fri Apr 05 11:12:06 2013
 Response via : Initial Calibration

4/24/13
 ET

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev (Min)
1) IS1 Bromofluorobenzene...	8.01	95	412192	10.00	ug/ml	0.00
13) IS2 1,4-Dibromobenzene	10.62	236	341319	10.00	ug/ml	0.00
19) IS3 Biphenyl	12.40	154	1552531	10.00	ug/ml	0.00

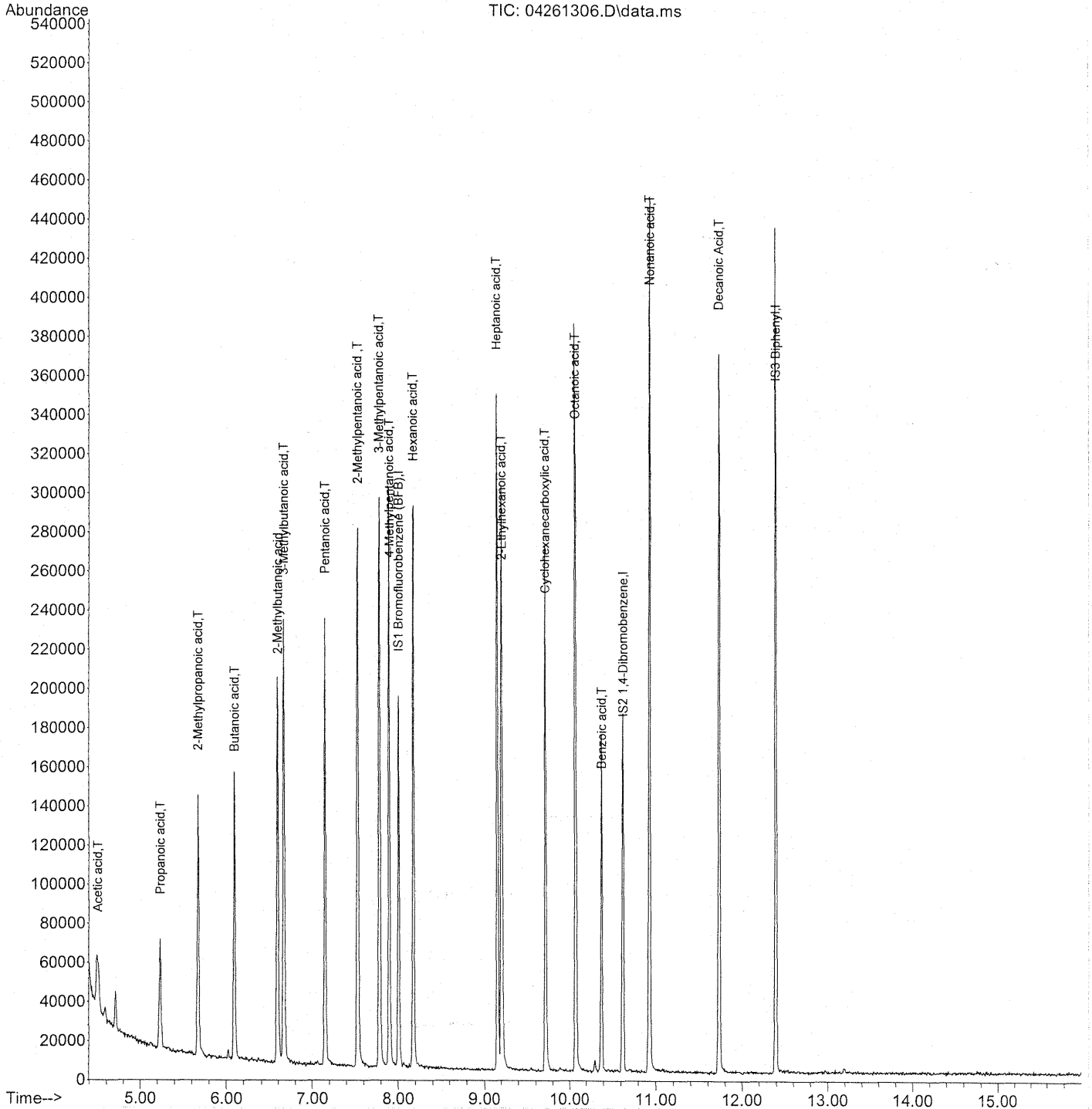
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Acetic acid	4.50	74	74513	21.16	ug/ml#	35
3) Propanoic acid	5.23	57	287050	10.85	ug/ml	99
4) 2-Methylpropanoic acid	5.68	71	233695	11.53	ug/ml	98
5) Butanoic acid	6.10	74	387445	10.93	ug/ml	98
6) 2-Methylbutanoic acid	6.59	88	564863	10.77	ug/ml	97
7) 3-Methylbutanoic acid	6.66	74	792878	11.67	ug/ml	96
8) Pentanoic acid	7.15	74	725838	10.78	ug/ml	96
9) 2-Methylpentanoic acid	7.54	88	1074001	11.72	ug/ml	95
10) 3-Methylpentanoic acid	7.78	74	1218998	11.61	ug/ml	96
11) 4-Methylpentanoic acid	7.90	74	614066	11.52	ug/ml	97
12) Hexanoic acid	8.18	74	1028059	11.25	ug/ml	97
14) Heptanoic acid	9.16	74	1179975	9.31	ug/ml	96
15) 2-Ethylhexanoic acid	9.21	87	787428	8.09	ug/ml	88
16) Cyclohexanecarboxylic ...	9.71	55	394806	7.09	ug/ml	83
17) Octanoic acid	10.08	74	1314895	8.91	ug/ml	99
18) Benzoic acid	10.38	105	757398	7.88	ug/ml	88
20) Nonanoic acid	10.93	74	1419981	8.79	ug/ml	97
21) Decanoic Acid	11.73	74	1105701	8.79	ug/ml#	99

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : J:\MS14\DATA\ACIDS\2013_04\26\
Data File : 04261306.D
Acq On : 26 Apr 2013 11:21 am
Operator : EI
Sample : LCS 10/20ug/ml
Misc :
ALS Vial : 6 Sample Multiplier: 1

Quant Time: Apr 26 11:40:27 2013
Quant Method : J:\MS14\METHODS\CA100912E.M
Quant Title : Short Chain Carboxylic Acids in Air
QLast Update : Fri Apr 05 11:12:06 2013
Response via : Initial Calibration



Quantitation Report (QT Reviewed)

Data Path : J:\MS14\DATA\ACIDS\2013_04\26\
 Data File : 04261306.D
 Acq On : 26 Apr 2013 11:21 am
 Operator : EI
 Sample : LCS 10/20ug/ml
 Misc :
 ALS Vial : 6 Sample Multiplier: 1

Quant Time: Apr 26 11:40:27 2013
 Quant Method : J:\MS14\METHODS\CA100912E.M
 Quant Title : Short Chain Carboxylic Acids in Air
 QLast Update : Fri Apr 05 11:12:06 2013
 Response via : Initial Calibration

4/29/13
 Et

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev (Min)
1) IS1 Bromofluorobenzene...	8.01	95	467400	10.00	ug/ml	0.00
13) IS2 1,4-Dibromobenzene	10.63	236	398821	10.00	ug/ml	0.00
19) IS3 Biphenyl	12.40	154	1894334	10.00	ug/ml	0.00

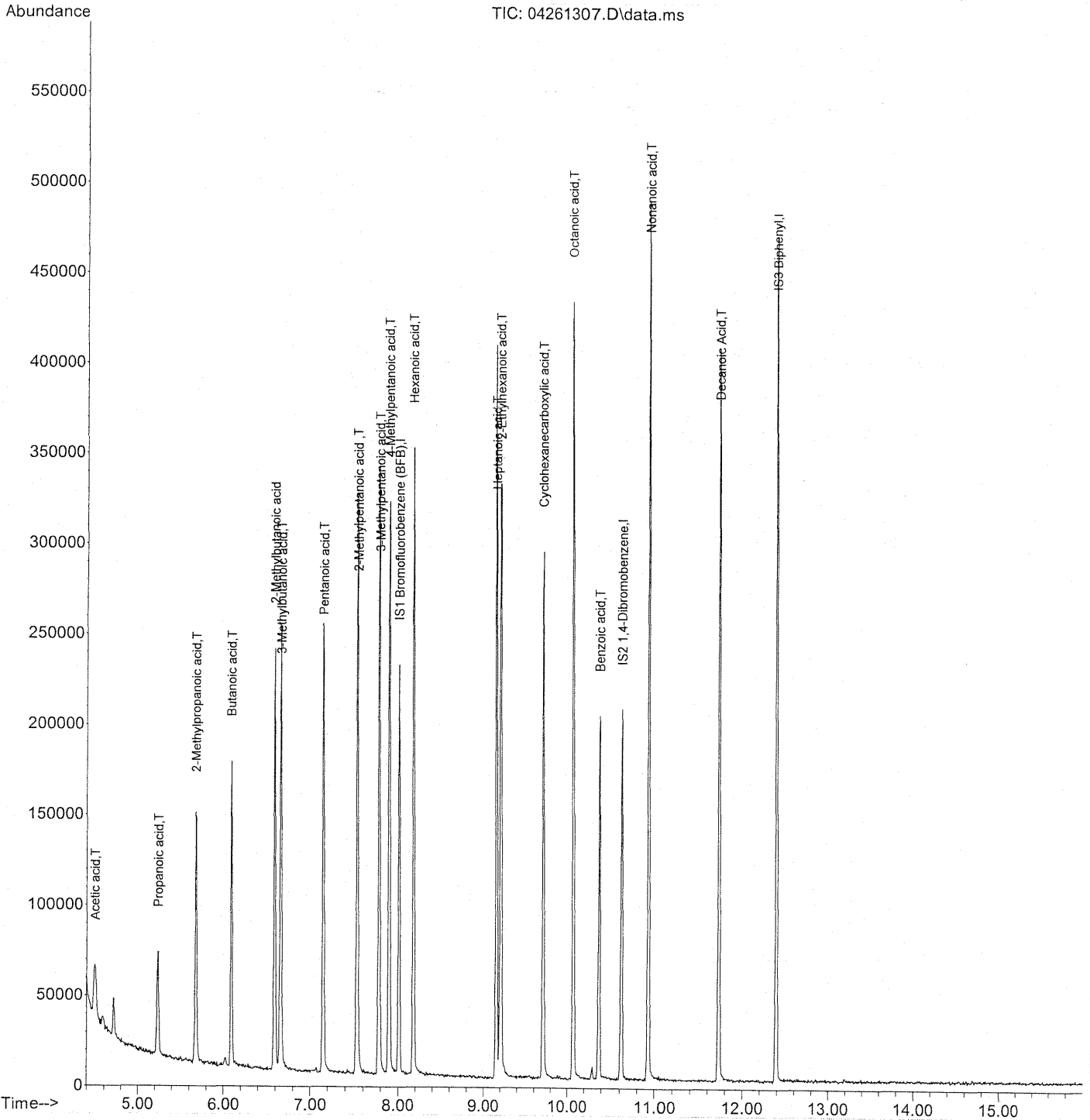
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Acetic acid	4.50	74	88444	22.15	ug/ml#	27
3) Propanoic acid	5.24	57	344908	11.50	ug/ml	98
4) 2-Methylpropanoic acid	5.68	71	259599	11.30	ug/ml	99
5) Butanoic acid	6.10	74	439012	10.92	ug/ml	95
6) 2-Methylbutanoic acid	6.59	88	647958	10.90	ug/ml	92
7) 3-Methylbutanoic acid	6.66	74	872327	11.32	ug/ml	95
8) Pentanoic acid	7.15	74	816754	10.69	ug/ml	96
9) 2-Methylpentanoic acid	7.53	88	1147938	11.05	ug/ml	97
10) 3-Methylpentanoic acid	7.78	74	1334679	11.21	ug/ml	96
11) 4-Methylpentanoic acid	7.90	74	681309	11.27	ug/ml	95
12) Hexanoic acid	8.18	74	1124234	10.85	ug/ml	98
14) Heptanoic acid	9.16	74	1351105	9.12	ug/ml	94
15) 2-Ethylhexanoic acid	9.21	87	800880	7.04	ug/ml	89
16) Cyclohexanecarboxylic ...	9.71	55	427673	6.58	ug/ml	81
17) Octanoic acid	10.08	74	1464338	8.49	ug/ml	97
18) Benzoic acid	10.38	105	711532	6.34	ug/ml	86
20) Nonanoic acid	10.93	74	1615324	8.20	ug/ml	97
21) Decanoic Acid	11.73	74	1260738	8.22	ug/ml	99

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : J:\MS14\DATA\ACIDS\2013_04\26\
Data File : 04261307.D
Acq On : 26 Apr 2013 11:42 am
Operator : EI
Sample : LCSD 10/20ug/ml
Misc :
ALS Vial : 7 Sample Multiplier: 1

Quant Time: Apr 26 11:58:36 2013
Quant Method : J:\MS14\METHODS\CA100912E.M
Quant Title : Short Chain Carboxylic Acids in Air
QLast Update : Fri Apr 05 11:12:06 2013
Response via : Initial Calibration



Data Path : J:\MS14\DATA\ACIDS\2013_04\26\
 Data File : 04261307.D
 Acq On : 26 Apr 2013 11:42 am
 Operator : EI
 Sample : LCSD 10/20ug/ml
 Misc :
 ALS Vial : 7 Sample Multiplier: 1

4/29/13
 EC

Quant Time: Apr 26 11:58:36 2013
 Quant Method : J:\MS14\METHODS\CA100912E.M
 Quant Title : Short Chain Carboxylic Acids in Air
 QLast Update : Fri Apr 05 11:12:06 2013
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev (Min)
1) IS1 Bromofluorobenzene...	8.01	95	548865	10.00	ug/ml	0.00
13) IS2 1,4-Dibromobenzene	10.63	236	450850	10.00	ug/ml	0.00
19) IS3 Biphenyl	12.40	154	2084024	10.00	ug/ml	0.00

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Acetic acid	4.50	74	92402	19.71	ug/ml#	35
3) Propanoic acid	5.23	57	364124	10.33	ug/ml	99
4) 2-Methylpropanoic acid	5.68	71	294999	10.93	ug/ml	99
5) Butanoic acid	6.10	74	479884	10.16	ug/ml	99
6) 2-Methylbutanoic acid	6.59	88	719956	10.31	ug/ml	95
7) 3-Methylbutanoic acid	6.66	74	967212	10.69	ug/ml	96
8) Pentanoic acid	7.15	74	919272	10.25	ug/ml	96
9) 2-Methylpentanoic acid	7.53	88	1312883	10.76	ug/ml	96
10) 3-Methylpentanoic acid	7.78	74	1528071	10.93	ug/ml	97
11) 4-Methylpentanoic acid	7.90	74	754648	10.63	ug/ml	96
12) Hexanoic acid	8.18	74	1271633	10.45	ug/ml	98
14) Heptanoic acid	9.16	74	1473453	8.80	ug/ml	97
15) 2-Ethylhexanoic acid	9.21	87	942748	7.33	ug/ml	90
16) Cyclohexanecarboxylic ...	9.71	55	499339	6.79	ug/ml	82
17) Octanoic acid	10.08	74	1695329	8.70	ug/ml	99
18) Benzoic acid	10.38	105	906632	7.15	ug/ml	87
20) Nonanoic acid	10.93	74	1840360	8.49	ug/ml	96
21) Decanoic Acid	11.73	74	1455339	8.62	ug/ml#	100

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Response Factor Report MS14

Method Path : J:\MS14\METHODS\
 Method File : CA100912E.M
 Title : Short Chain Carboxylic Acids in Air
 Last Update : Tue Oct 09 13:00:48 2012
 Response Via : Initial Calibration

Calibration Files
 0.25=10091202.D 1 =10091203.D 5 =10091204.D 10 =10091205.D 25 =10091206.D 50 =10091207.D

Compound	0.25	1	5	10	25	50	Avg	%RSD
1) I IS1 Bromofluoroben...								
2) T Acetic acid	0.108	0.090	0.067	0.089	0.073	0.085		18.74
3) T Propanoic acid	0.604	0.705	0.700	0.574	0.678	0.591	0.642	9.17
4) T 2-Methylpropan...	0.591	0.503	0.513	0.434	0.474	0.433	0.492	12.00
5) T Butanoic acid	0.918	0.862	0.890	0.813	0.866	0.812	0.860	4.88
6) T 2-Methylbutano...	1.250	1.289	1.344	1.259	1.281	1.210	1.272	3.53
7) T 3-Methylbutano...	1.565	1.692	1.761	1.658	1.662	1.556	1.649	4.73
8) T Pentanoic acid	1.592	1.662	1.721	1.621	1.642	1.567	1.634	3.32
9) T 2-Methylpentan...	2.086	2.313	2.315	2.253	2.239	2.131	2.223	4.27
10) T 3-Methylpentan...	2.506	2.593	2.660	2.597	2.535	2.390	2.547	3.68
11) T 4-Methylpentan...	1.196	1.290	1.385	1.328	1.315	1.244	1.293	5.12
12) T Hexanoic acid	2.211	2.258	2.308	2.238	2.208	2.079	2.217	3.47
13) I IS2 1,4-Dibromoben...								
14) T Heptanoic acid	3.708	3.721	3.942	3.768	3.752	3.387	3.713	4.87
15) T 2-Ethylhexanoi...	2.883	2.947	3.006	2.888	2.854	2.534	2.852	5.79
16) T Cyclohexanecar...	1.646	1.779	1.647	1.618	1.614	1.479	1.630	5.88
17) T Octanoic acid	4.134	4.435	4.551	4.467	4.407	3.950	4.324	5.34
18) T Benzoic acid	2.731	2.874	3.059	2.830	2.920	2.472	2.814	7.10
19) I IS3 Biphenyl								
20) T Nonanoic acid	0.974	1.028	1.085	1.105	1.108	0.939	1.040	6.85
21) T Decanoic Acid	0.673	0.775	0.849	0.864	0.901	0.799	0.810	9.97

(#) = Out of Range

Calibration Status Report MS14

Method Path : J:\MS14\METHODS\
 Method File : CA100912E.M
 Title : Short Chain Carboxylic Acids in Air
 Last Update : Tue Oct 09 13:00:48 2012
 Response Via : Initial Calibration

#	ID	Conc	ISTD Conc	Path\File
1	0.25	10	10	J:\MS14\DATA\ACIDS\2012_10\09\10091202.D
3	1	10	10	J:\MS14\DATA\ACIDS\2012_10\09\10091203.D
4	5	10	10	J:\MS14\DATA\ACIDS\2012_10\09\10091204.D
5	10	10	10	J:\MS14\DATA\ACIDS\2012_10\09\10091205.D
6	25	10	10	J:\MS14\DATA\ACIDS\2012_10\09\10091206.D

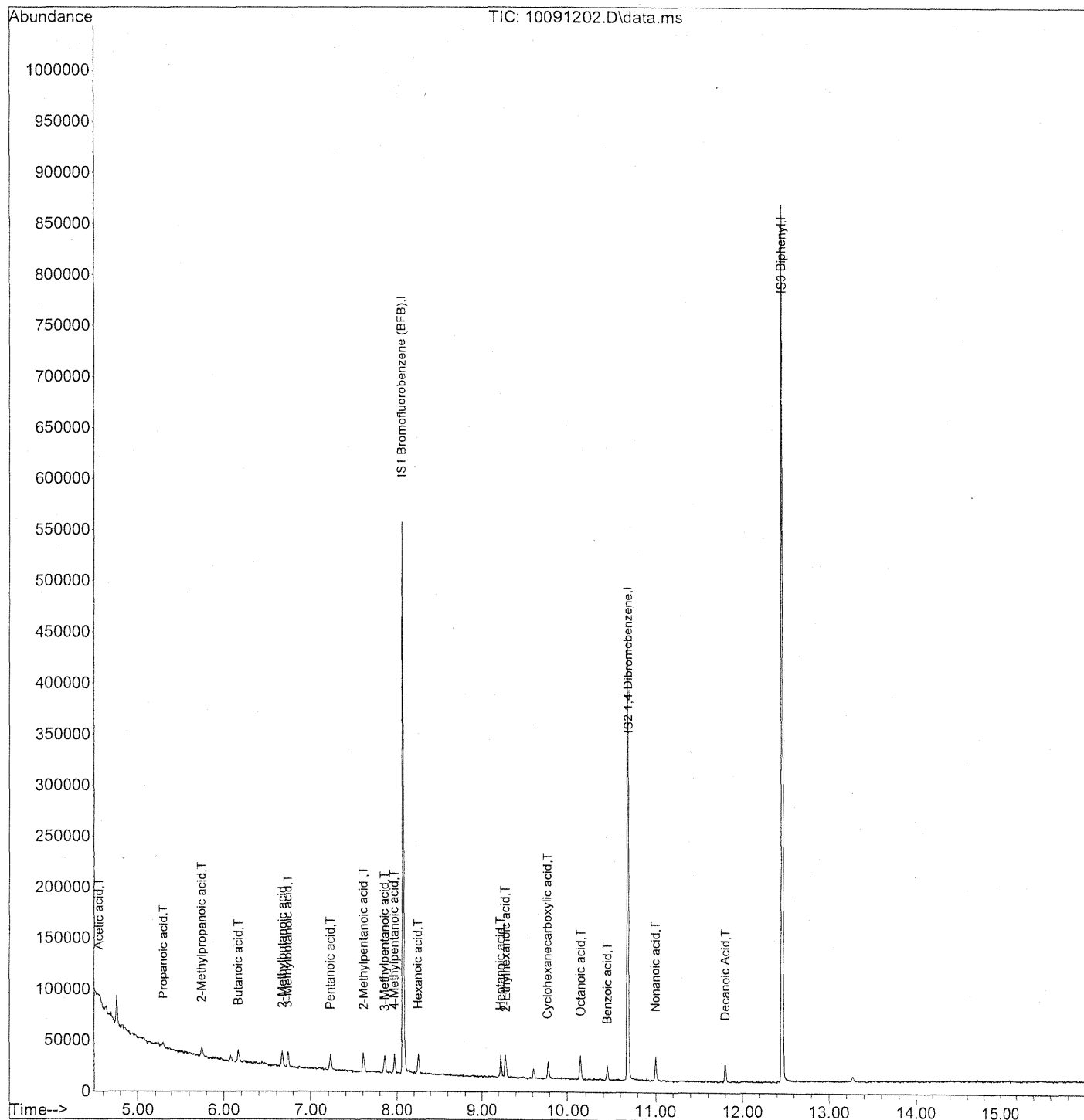
#	ID	Update Time	Quant Time	Acquisition Time
1	0.25	Oct 09 13:00 2012	Oct 09 13:00 2012	
3	1	Oct 09 12:07 2012	Oct 09 11:44 2012	
4	5	Oct 09 12:07 2012	Oct 09 12:05 2012	
5	10	Oct 09 12:20 2012	Oct 09 12:20 2012	
6	25	Oct 09 12:58 2012	Oct 09 12:57 2012	

CA100912E.M Wed Oct 10 11:26:14 2012

Quantitation Report (QT Reviewed)

Data Path : J:\MS14\DATA\ACIDS\2012_10\09\
 Data File : 10091202.D
 Acq On : 9 Oct 2012 10:55 am
 Operator : MD
 Sample : 0.25/0.5 ug/ml Carboxylic Acids
 Misc : S26-10081203
 ALS Vial : 2 Sample Multiplier: 1

Quant Time: Oct 09 13:00:36 2012
 Quant Method : J:\MS14\METHODS\CA100912E.M
 Quant Title : Short Chain Carboxylic Acids in Air
 QLast Update : Tue Aug 21 11:07:14 2012
 DataAcq Meth:FAME



Data Path : J:\MS14\DATA\ACIDS\2012_10\09\
 Data File : 10091202.D
 Acq On : 9 Oct 2012 10:55 am
 Operator : MD
 Sample : 0.25/0.5 ug/ml Carboxylic Acids
 Misc : S26-10081203
 ALS Vial : 2 Sample Multiplier: 1

Quant Time: Oct 09 13:00:36 2012
 Quant Method : J:\MS14\METHODS\CA100912E.M
 Quant Title : Short Chain Carboxylic Acids in Air
 QLast Update : Tue Aug 21 11:07:14 2012
 DataAcq Meth:FAME

(Handwritten signature)
 10/10/12

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev (Min)
1) IS1 Bromofluorobenzene...	8.08	95	1320991	10.00	ug/ml	-0.03
13) IS2 1,4-Dibromobenzene	10.69	236	805163	10.00	ug/ml	-0.03
19) IS3 Biphenyl	12.46	154	3529272	10.00	ug/ml	-0.03

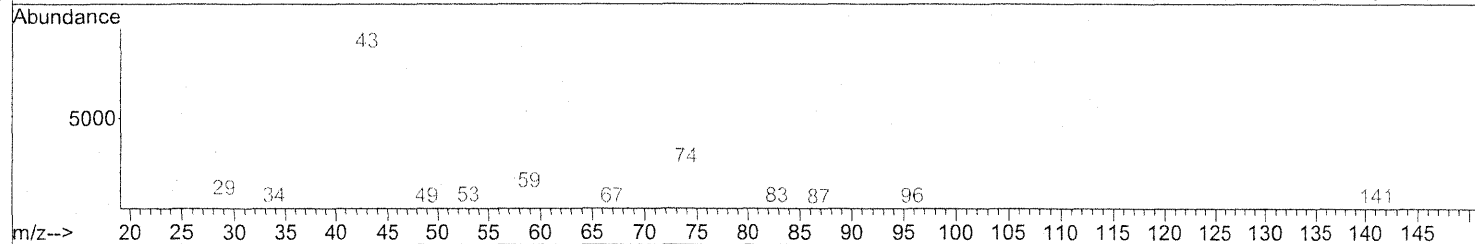
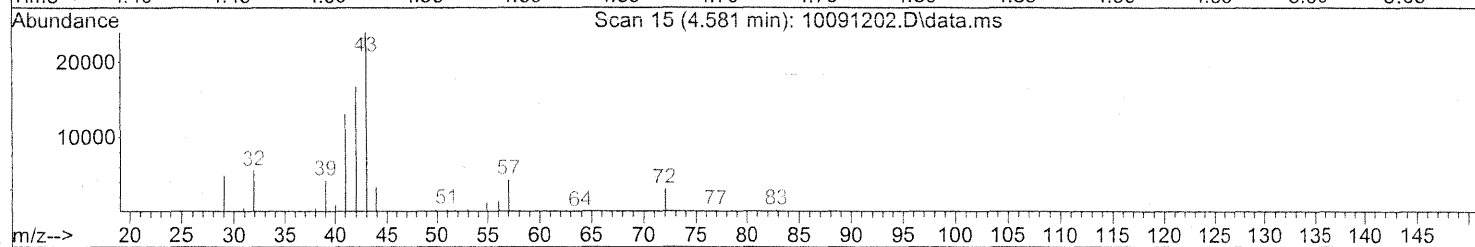
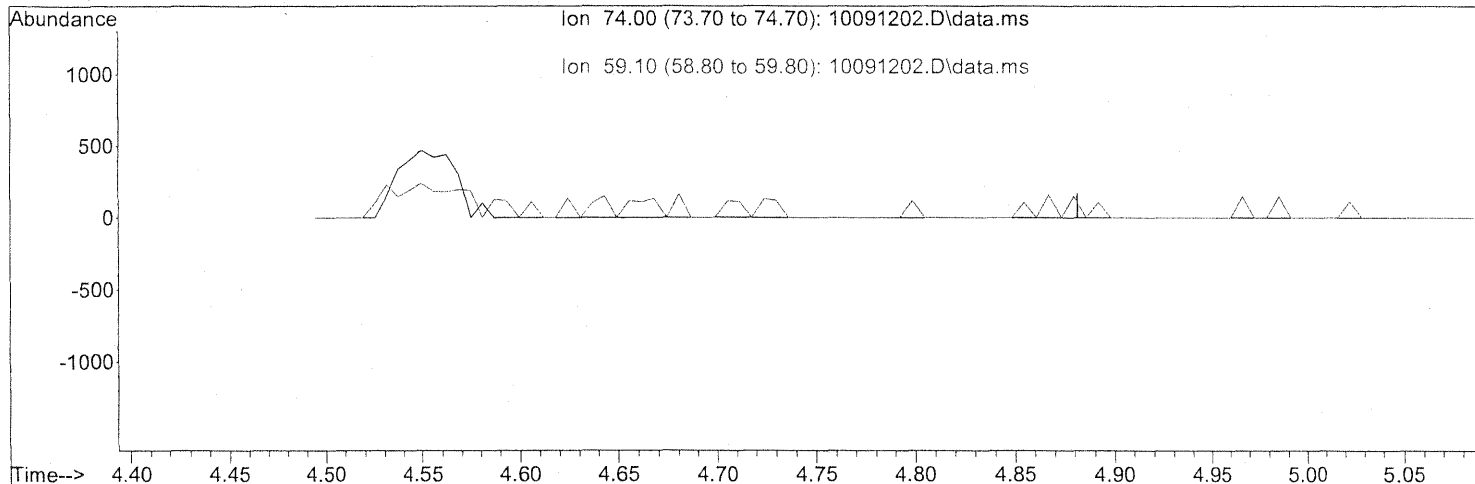
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Acetic acid	4.55	74	9795m	1.08	ug/ml	
3) Propanoic acid	5.30	57	19941	0.23	ug/ml#	42
4) 2-Methylpropanoic acid	5.74	71	19509m	0.28	ug/ml	
5) Butanoic acid	6.17	74	30329	0.25	ug/ml#	81
6) 2-Methylbutanoic acid	6.67	88	41274	0.21	ug/ml#	88
7) 3-Methylbutanoic acid	6.74	74	51670	0.21	ug/ml#	42
8) Pentanoic acid	7.23	74	52569	0.23	ug/ml#	41
9) 2-Methylpentanoic acid	7.61	88	68878	0.21	ug/ml#	59
10) 3-Methylpentanoic acid	7.86	74	82758m	0.21	ug/ml	
11) 4-Methylpentanoic acid	7.97	74	39503m	0.21	ug/ml	
12) Hexanoic acid	8.25	74	73007m	0.21	ug/ml	
14) Heptanoic acid	9.23	74	74639m	0.21	ug/ml	
15) 2-Ethylhexanoic acid	9.28	87	58038	0.21	ug/ml#	87
16) Cyclohexanecarboxylic ...	9.78	55	33123m	0.23	ug/ml	
17) Octanoic acid	10.15	74	83212	0.21	ug/ml#	90
18) Benzoic acid	10.45	105	54979	0.12	ug/ml#	78
20) Nonanoic acid	11.00	74	85974	0.20	ug/ml#	77
21) Decanoic Acid	11.80	74	59413	0.17	ug/ml#	98

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (Qedit)

Data Path : J:\MS14\DATA\ACIDS\2012_10\09\
 Data File : 10091202.D
 Acq On : 9 Oct 2012 10:55 am
 Operator : MD
 Sample : 0.25/0.5 ug/ml Carboxylic Acids
 Misc : S26-10
 ALS Vial : 2 Sample Multiplier: 1

Quant Time: Oct 09 11:33:22 2012
 Quant Method : J:\MS14\METHODS\CA100912E.M
 Quant Title : Short Chain Carboxylic Acids in Air
 QLast Update : Tue Aug 21 11:07:14 2012
 DataAcq Meth:FAME



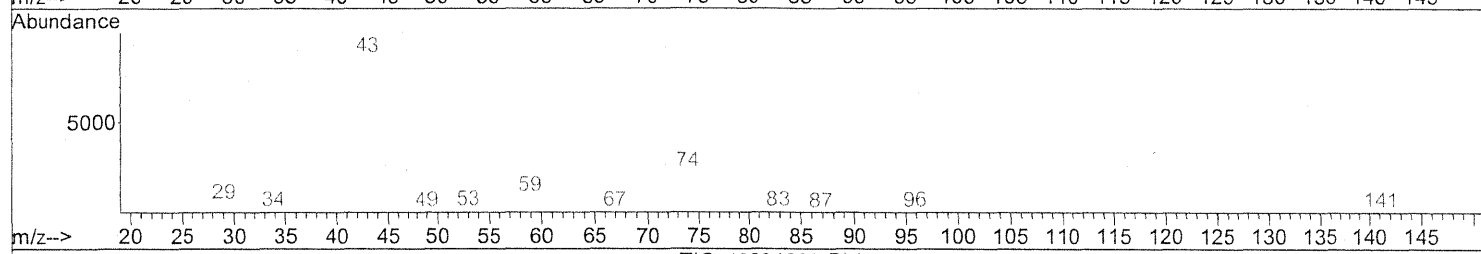
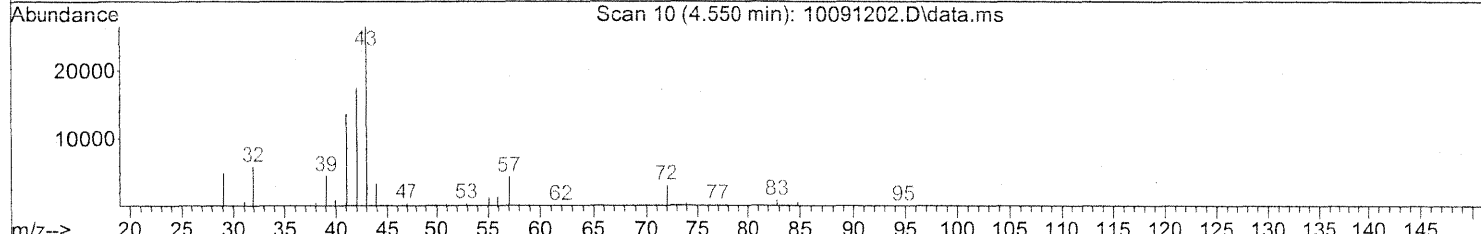
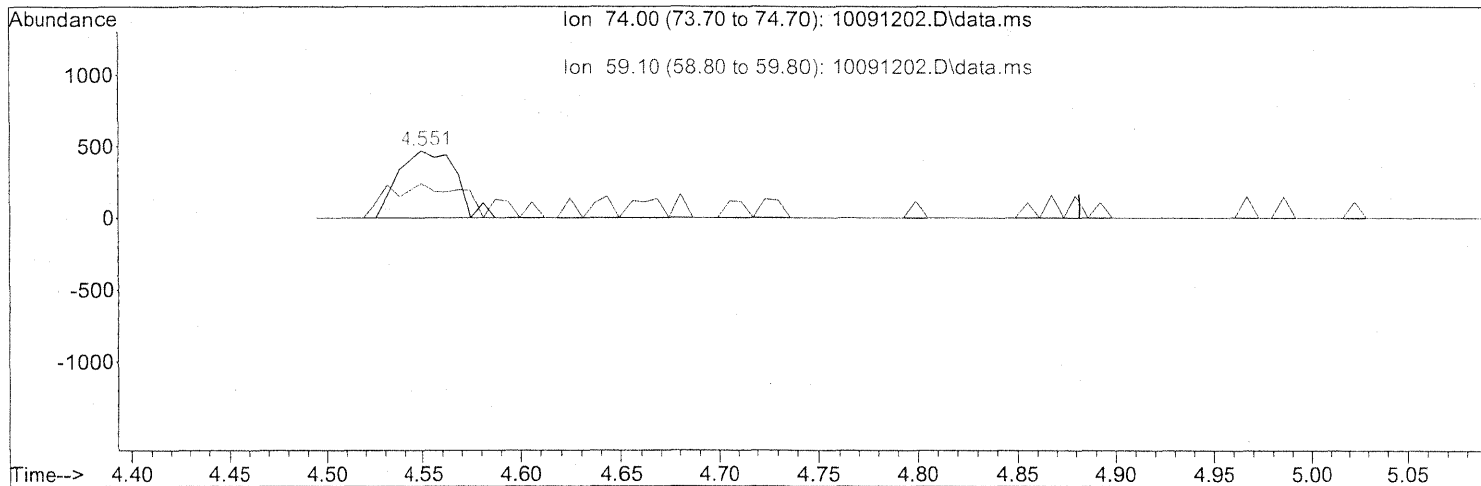
(2) Acetic acid (T)
 4.582min (-4.582) 0.00ug/ml
 response 0

Ion	Exp%	Act%
74.00	100	0.00
43.00	789.60	0.00#
59.10	44.70	0.00#
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : J:\MS14\DATA\ACIDS\2012_10\09\
 Data File : 10091202.D
 Acq On : 9 Oct 2012 10:55 am
 Operator : MD
 Sample : 0.25/0.5 ug/ml Carboxylic Acids
 Misc : S26-10
 ALS Vial : 2 Sample Multiplier: 1

Quant Time: Oct 09 11:33:22 2012
 Quant Method : J:\MS14\METHODS\CA100912E.M
 Quant Title : Short Chain Carboxylic Acids in Air
 QLast Update : Tue Aug 21 11:07:14 2012
 DataAcq Meth:FAME



(2) Acetic acid (T)
 4.550min (-0.032) 1.08ug/ml m
 response 9795

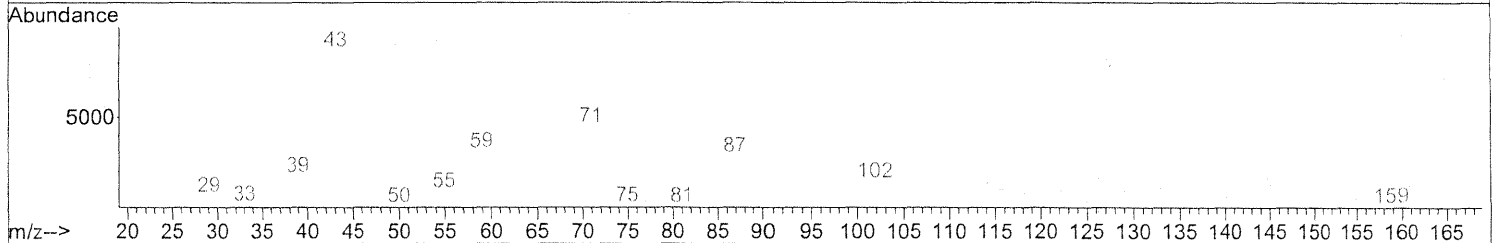
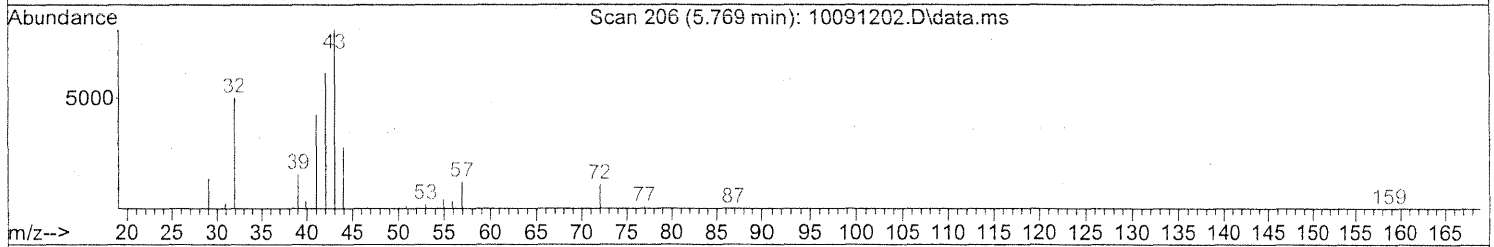
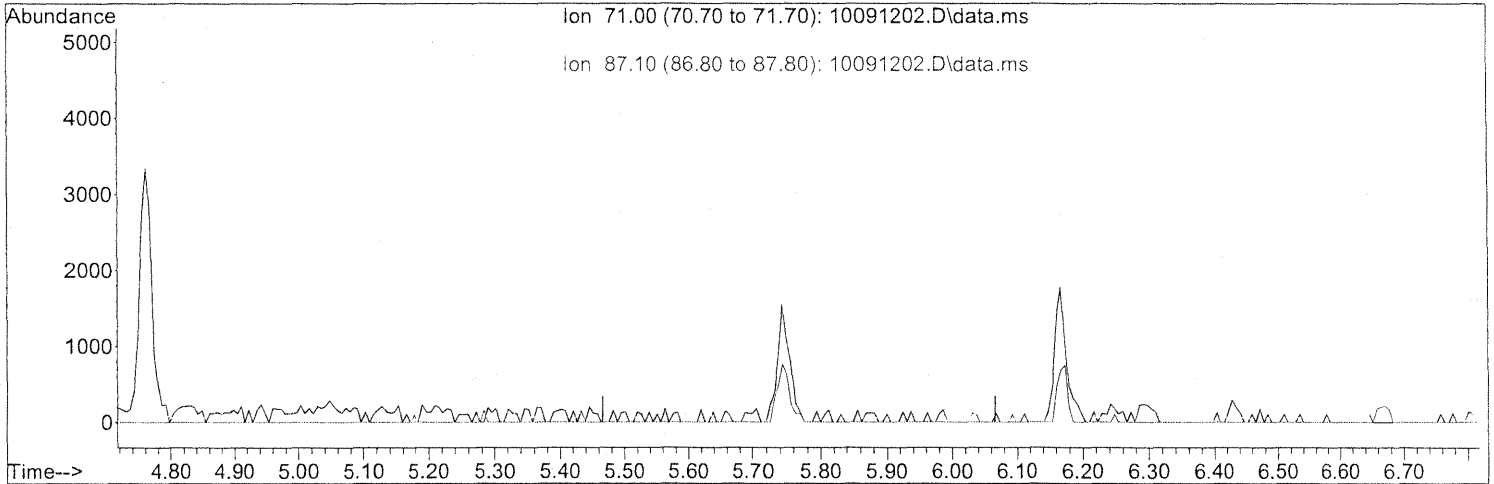
Ion	Exp%	Act%
74.00	100	100
43.00	789.60	0.00#
59.10	44.70	0.00#
0.00	0.00	0.00

MD
10/10/12
26
10/10/12

Quantitation Report (Qedit)

Data Path : J:\MS14\DATA\ACIDS\2012_10\09\
 Data File : 10091202.D
 Acq On : 9 Oct 2012 10:55 am
 Operator : MD
 Sample : 0.25/0.5 ug/ml Carboxylic Acids
 Misc : S26-10
 ALS Vial : 2 Sample Multiplier: 1

Quant Time: Oct 09 11:33:22 2012
 Quant Method : J:\MS14\METHODS\CA100912E.M
 Quant Title : Short Chain Carboxylic Acids in Air
 QLast Update : Tue Aug 21 11:07:14 2012
 DataAcq Meth:FAME



(4) 2-Methylpropanoic acid (T)

5.767min (-5.767) 0.00ug/ml

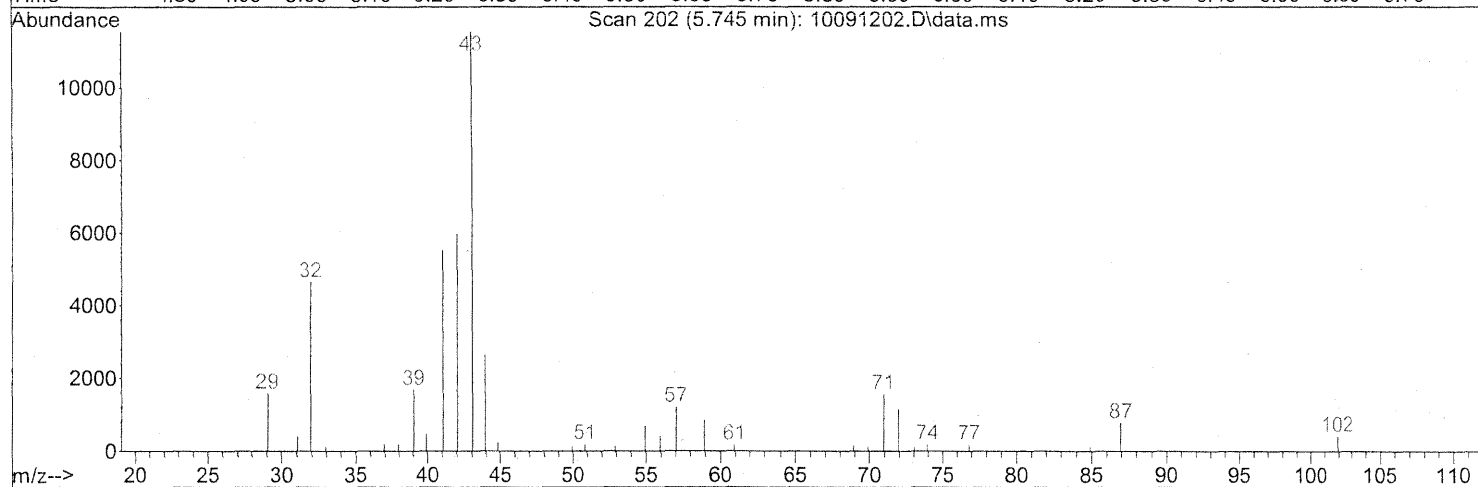
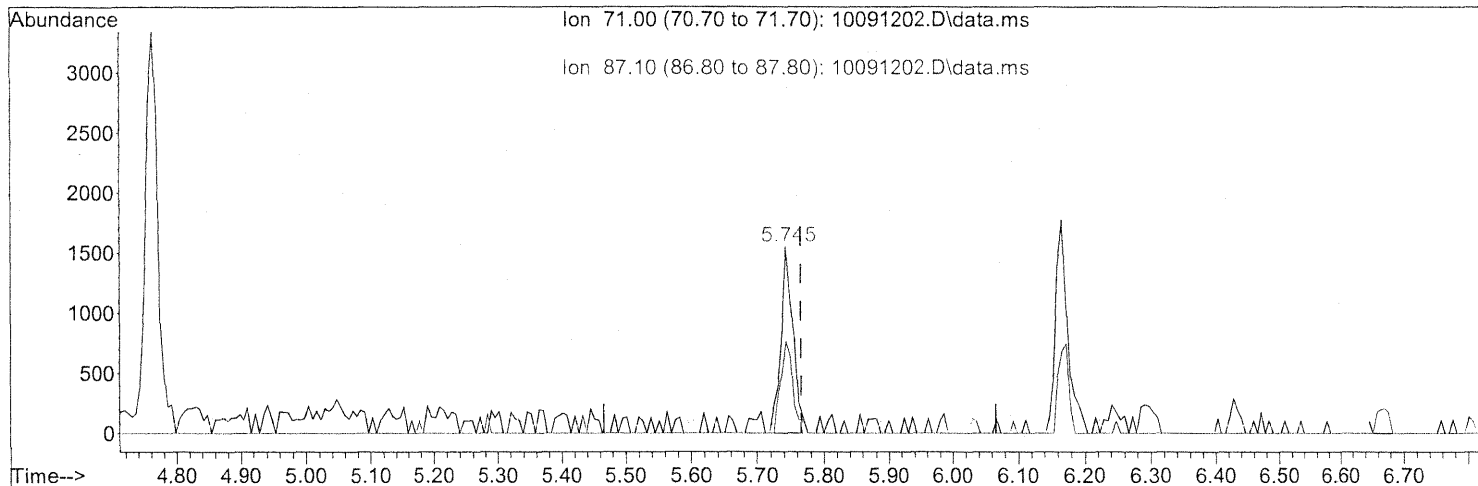
response 0

Ion	Exp%	Act%
71.00	100	0.00
59.00	68.40	0.00#
87.10	62.10	0.00#
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : J:\MS14\DATA\ACIDS\2012_10\09\
 Data File : 10091202.D
 Acq On : 9 Oct 2012 10:55 am
 Operator : MD
 Sample : 0.25/0.5 ug/ml Carboxylic Acids
 Misc : S26-10
 ALS Vial : 2 Sample Multiplier: 1

Quant Time: Oct 09 11:43:28 2012
 Quant Method : J:\MS14\METHODS\CA100912E.M
 Quant Title : Short Chain Carboxylic Acids in Air
 QLast Update : Tue Aug 21 11:07:14 2012
 DataAcq Meth:FAME



(4) 2-Methylpropanoic acid (T)

5.745min (-0.022) 0.28ug/ml m

response 19509

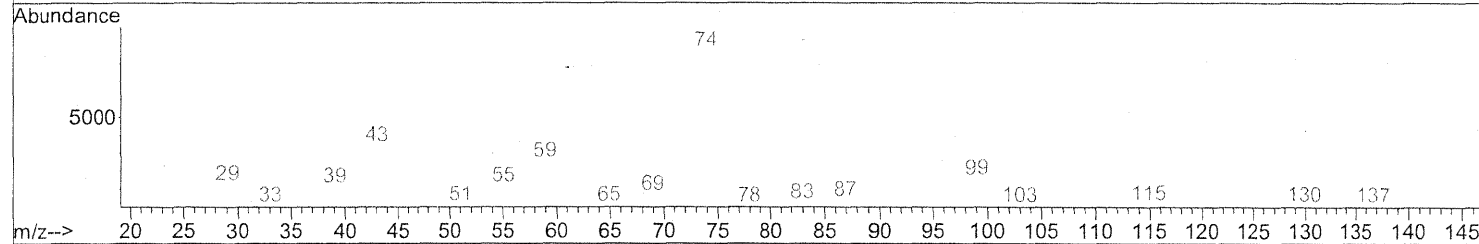
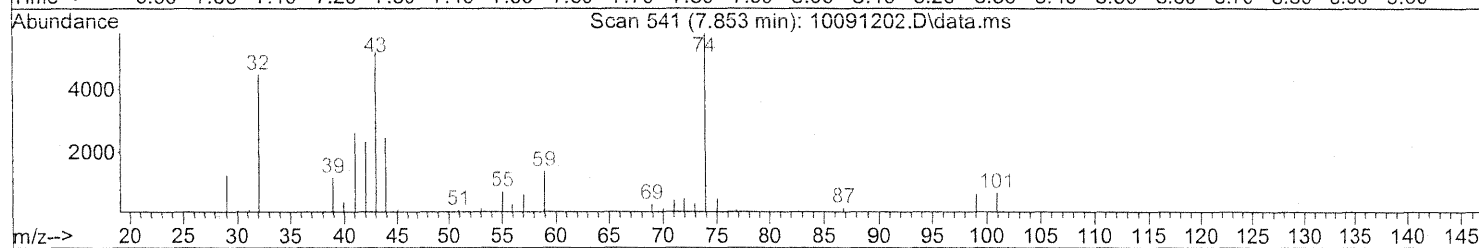
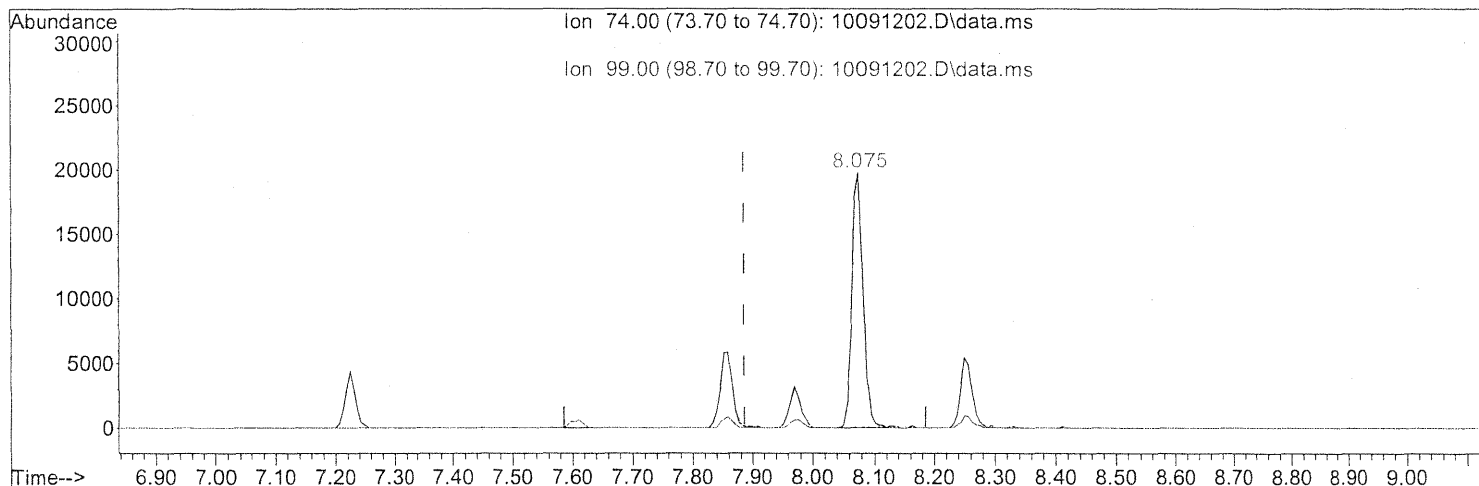
Ion	Exp%	Act%
71.00	100	100
59.00	68.40	0.00#
87.10	62.10	0.00#
0.00	0.00	0.00

Handwritten notes:
 Parli
 10/10/12
 20
 10/10/12

Quantitation Report (Qedit)

Data Path : J:\MS14\DATA\ACIDS\2012_10\09\
 Data File : 10091202.D
 Acq On : 9 Oct 2012 10:55 am
 Operator : MD
 Sample : 0.25/0.5 ug/ml Carboxylic Acids
 Misc : S26-10
 ALS Vial : 2 Sample Multiplier: 1

Quant Time: Oct 09 11:33:22 2012
 Quant Method : J:\MS14\METHODS\CA100912E.M
 Quant Title : Short Chain Carboxylic Acids in Air
 QLast Update : Tue Aug 21 11:07:14 2012
 DataAcq Meth:FAME



(10) 3-Methylpentanoic acid (T)

8.077min (+0.190) 0.62ug/ml

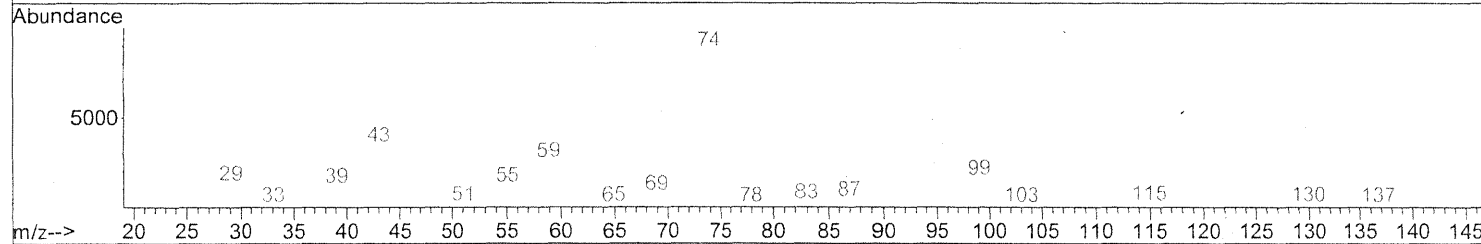
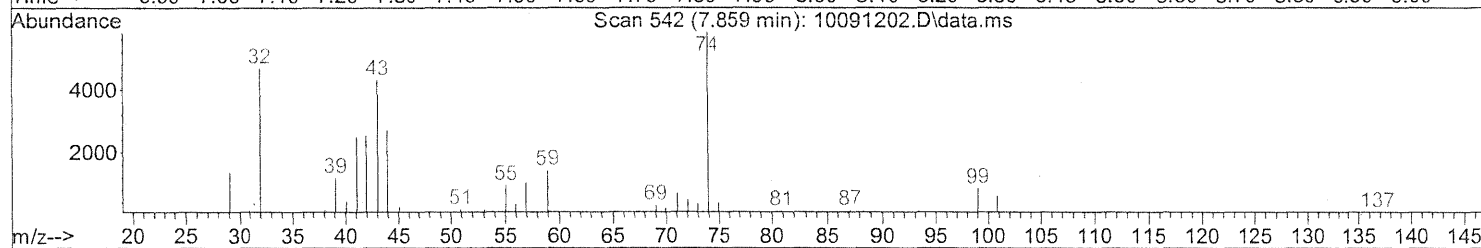
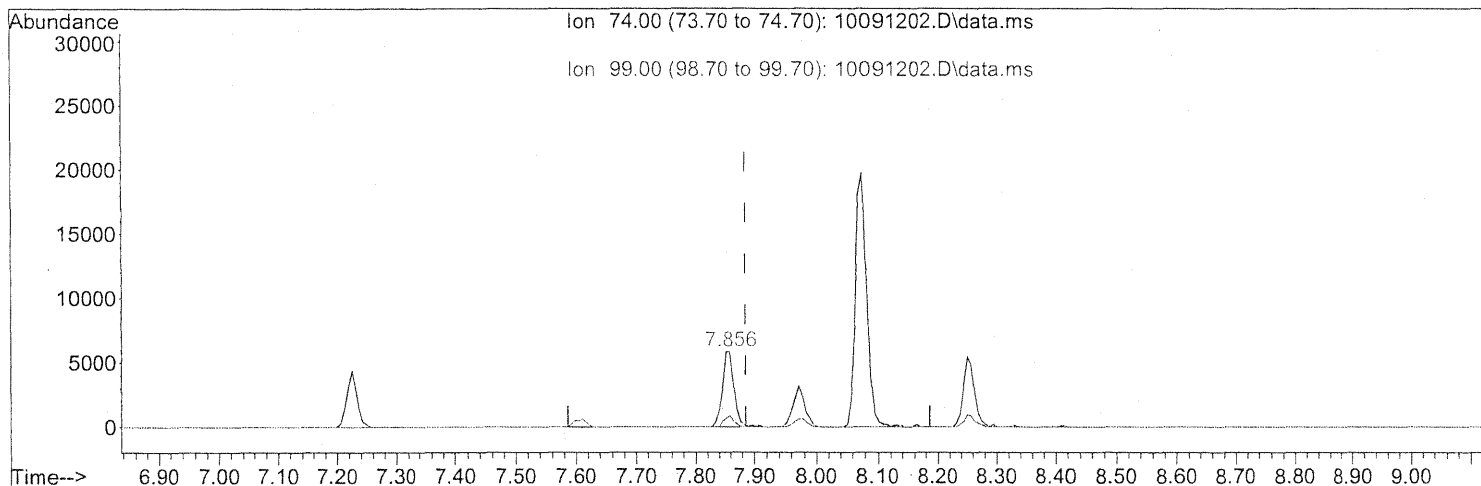
response 240676

Ion	Exp%	Act%
74.00	100	100
59.00	23.80	0.00#
99.00	15.30	0.00
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : J:\MS14\DATA\ACIDS\2012_10\09\
 Data File : 10091202.D
 Acq On : 9 Oct 2012 10:55 am
 Operator : MD
 Sample : 0.25/0.5 ug/ml Carboxylic Acids
 Misc : S26-10
 ALS Vial : 2 Sample Multiplier: 1

Quant Time: Oct 09 11:33:22 2012
 Quant Method : J:\MS14\METHODS\CA100912E.M
 Quant Title : Short Chain Carboxylic Acids in Air
 QLast Update : Tue Aug 21 11:07:14 2012
 DataAcq Meth:FAME



(10) 3-Methylpentanoic acid (T)

7.859min (-0.028) 0.21ug/ml m

response 82758

Ion	Exp%	Act%
74.00	100	100
59.00	23.80	0.00#
99.00	15.30	0.00
0.00	0.00	0.00

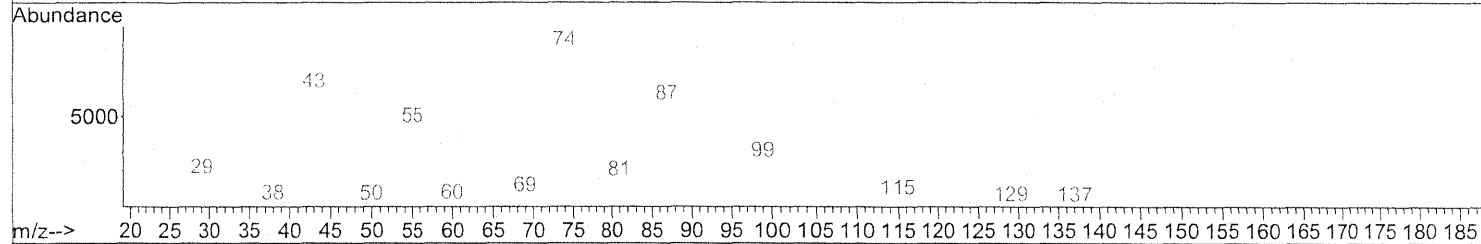
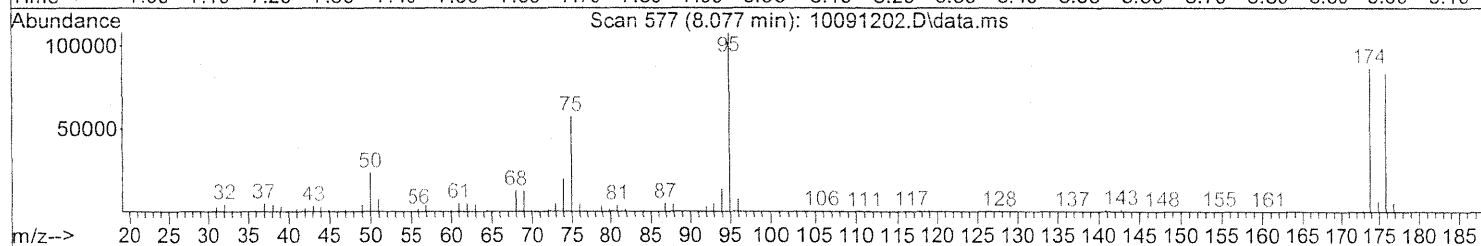
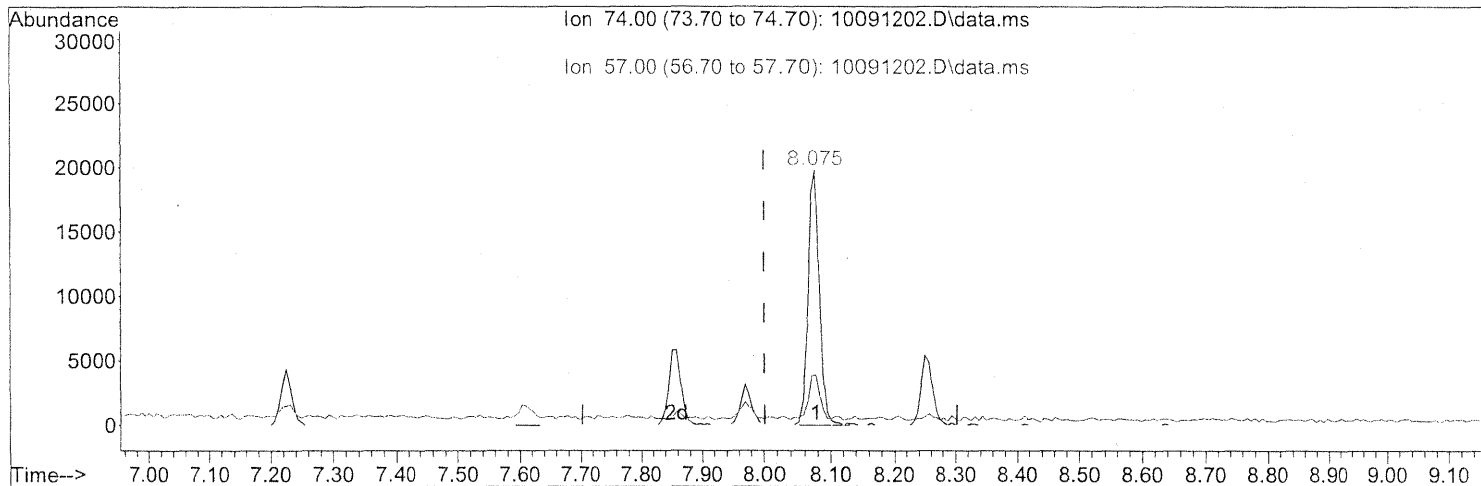
Handwritten: 10/10/12

Handwritten: 2h 10/10/12

Quantitation Report (Qedit)

Data Path : J:\MS14\DATA\ACIDS\2012_10\09\
 Data File : 10091202.D
 Acq On : 9 Oct 2012 10:55 am
 Operator : MD
 Sample : 0.25/0.5 ug/ml Carboxylic Acids
 Misc : S26-10
 ALS Vial : 2 Sample Multiplier: 1

Quant Time: Oct 09 11:33:22 2012
 Quant Method : J:\MS14\METHODS\CA100912E.M
 Quant Title : Short Chain Carboxylic Acids in Air
 QLast Update : Tue Aug 21 11:07:14 2012
 DataAcq Meth:FAME



(11) 4-Methylpentanoic acid (T)

8.077min (+0.074) 1.29ug/ml

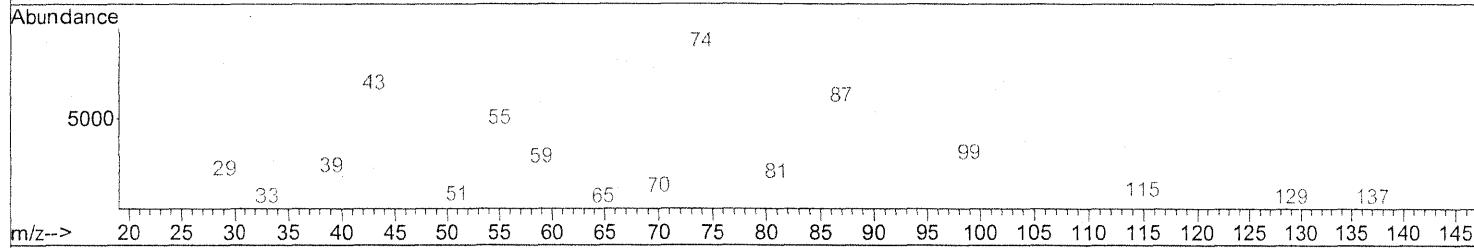
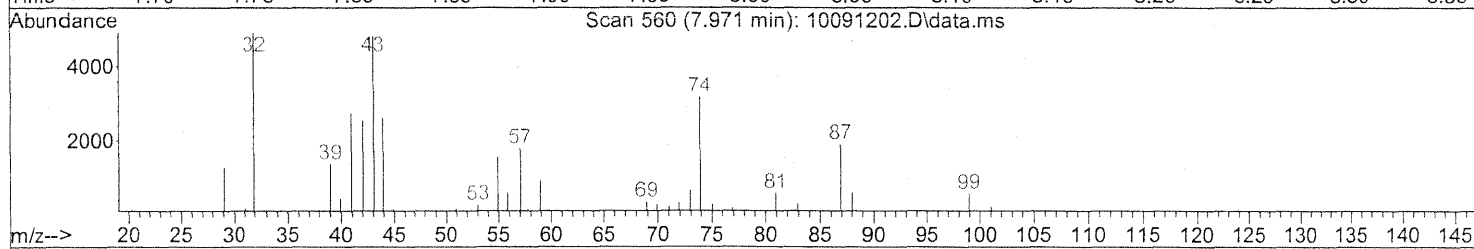
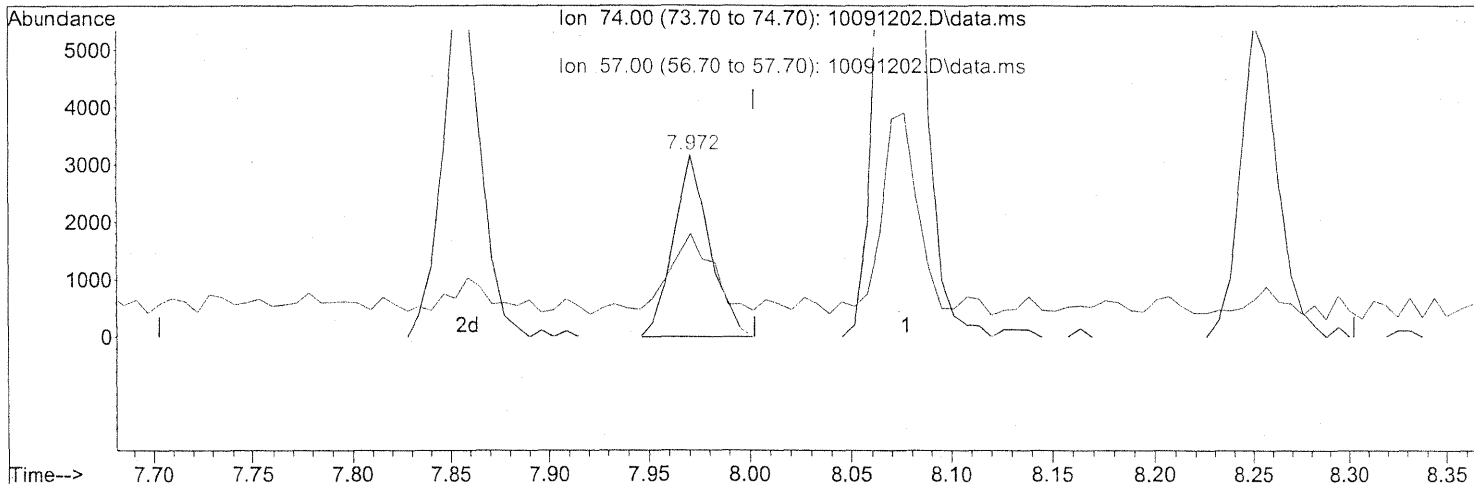
response 242915

Ion	Exp%	Act%
74.00	100	100
87.00	55.90	24.25#
57.00	42.10	17.12#
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : J:\MS14\DATA\ACIDS\2012_10\09\
 Data File : 10091202.D
 Acq On : 9 Oct 2012 10:55 am
 Operator : MD
 Sample : 0.25/0.5 ug/ml Carboxylic Acids
 Misc : S26-10
 ALS Vial : 2 Sample Multiplier: 1

Quant Time: Oct 09 11:33:22 2012
 Quant Method : J:\MS14\METHODS\CA100912E.M
 Quant Title : Short Chain Carboxylic Acids in Air
 QLast Update : Tue Aug 21 11:07:14 2012
 DataAcq Meth:FAME



(11) 4-Methylpentanoic acid (T)

7.971min (-0.032) 0.21ug/ml m

response 39503

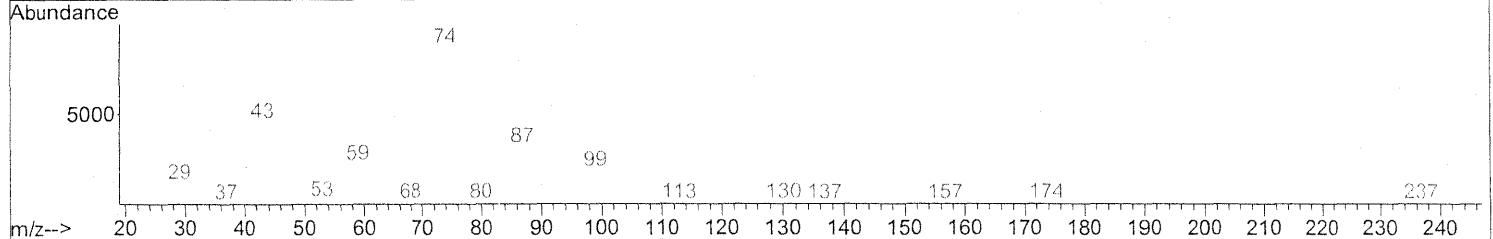
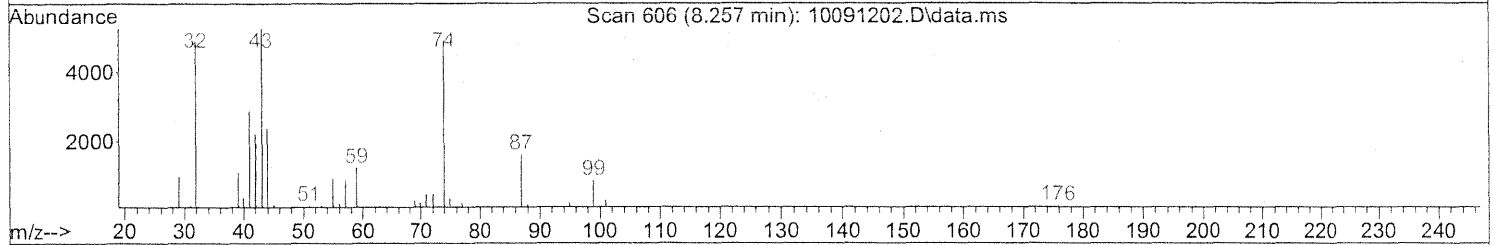
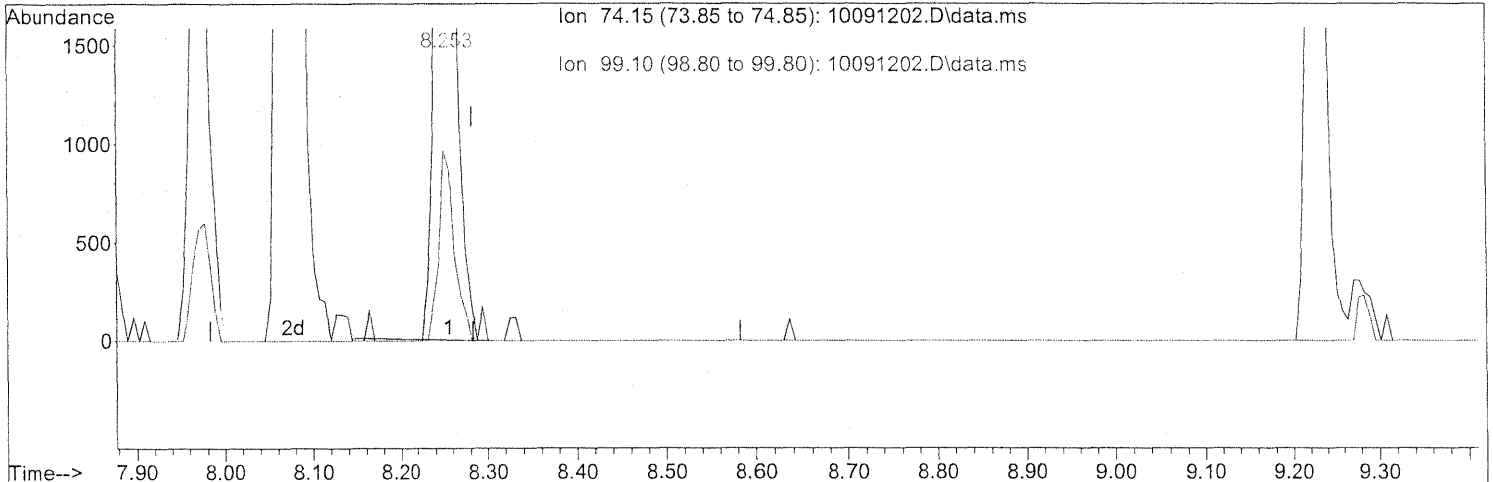
Ion	Exp%	Act%
74.00	100	100
87.00	55.90	149.14#
57.00	42.10	105.26#
0.00	0.00	0.00

Handwritten notes:
 TIC
 (Signature)
 10/10/12
 2w
 10/10/12

Quantitation Report (Qedit)

Data Path : J:\MS14\DATA\ACIDS\2012_10\09\
 Data File : 10091202.D
 Acq On : 9 Oct 2012 10:55 am
 Operator : MD
 Sample : 0.25/0.5 ug/ml Carboxylic Acids
 Misc : S26-10
 ALS Vial : 2 Sample Multiplier: 1

Quant Time: Oct 09 11:33:22 2012
 Quant Method : J:\MS14\METHODS\CA100912E.M
 Quant Title : Short Chain Carboxylic Acids in Air
 QLast Update : Tue Aug 21 11:07:14 2012
 DataAcq Meth:FAME



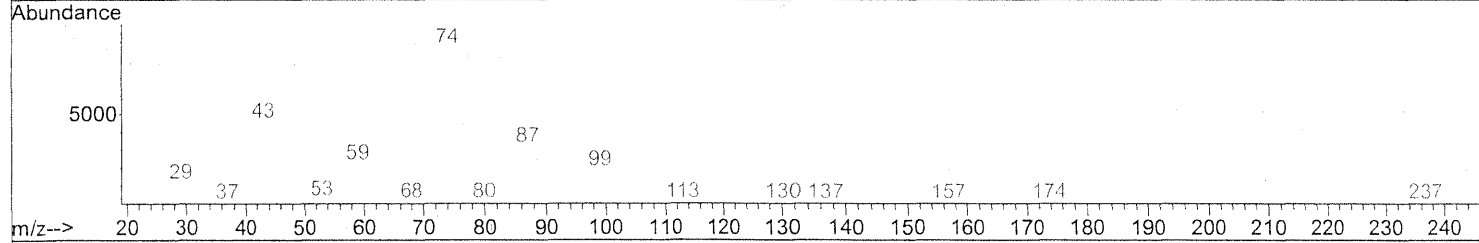
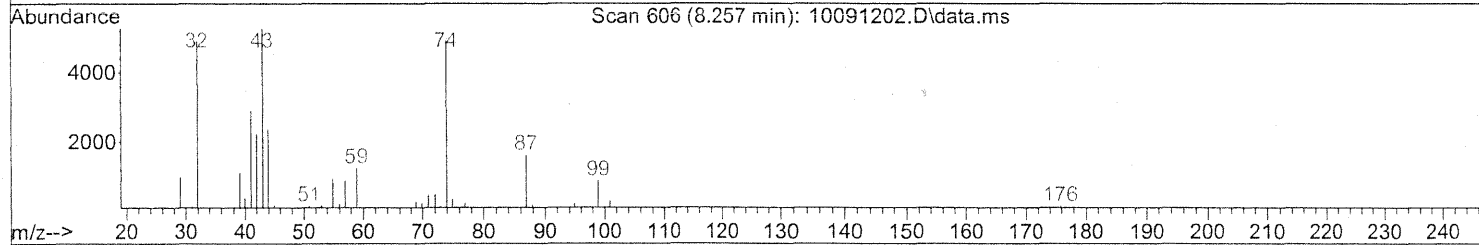
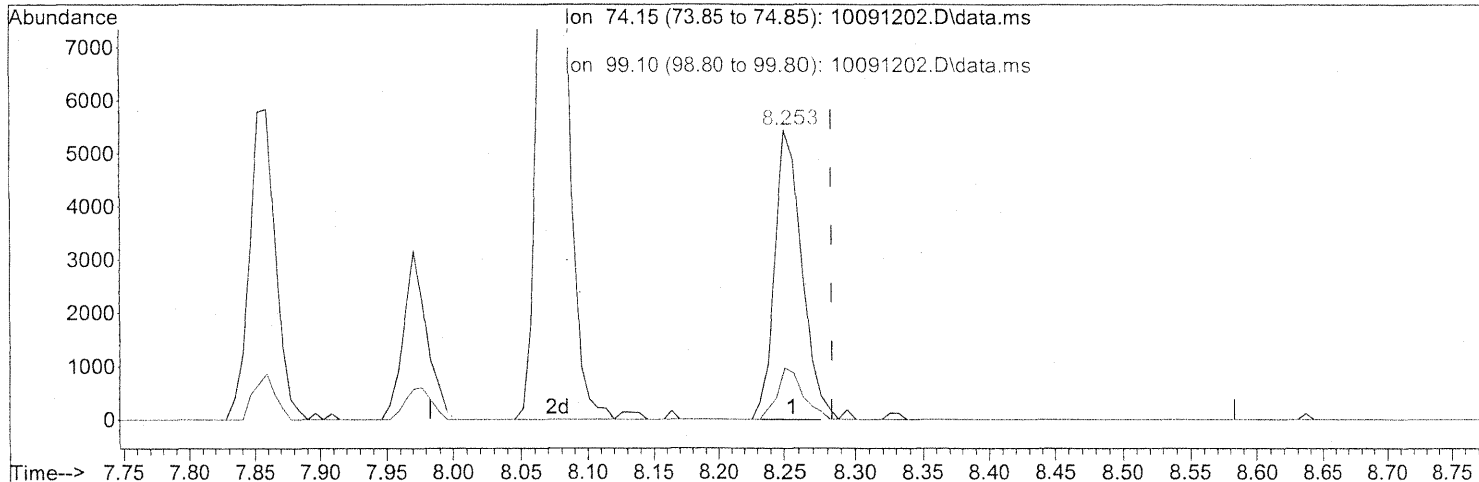
(12) Hexanoic acid (T)
 8.256min (-0.028) 0.21ug/ml
 response 72817

Ion	Exp%	Act%
74.15	100	100
87.10	31.30	0.00#
99.10	18.10	0.00
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : J:\MS14\DATA\ACIDS\2012_10\09\
 Data File : 10091202.D
 Acq On : 9 Oct 2012 10:55 am
 Operator : MD
 Sample : 0.25/0.5 ug/ml Carboxylic Acids
 Misc : S26-10
 ALS Vial : 2 Sample Multiplier: 1

Quant Time: Oct 09 11:33:22 2012
 Quant Method : J:\MS14\METHODS\CA100912E.M
 Quant Title : Short Chain Carboxylic Acids in Air
 QLast Update : Tue Aug 21 11:07:14 2012
 DataAcq Meth:FAME



(12) Hexanoic acid (T)
 8.251min (-0.033) 0.21ug/ml m
 response 73007

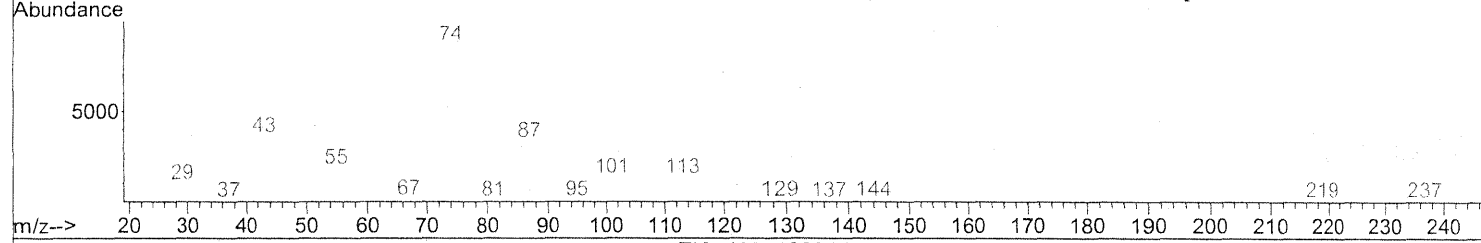
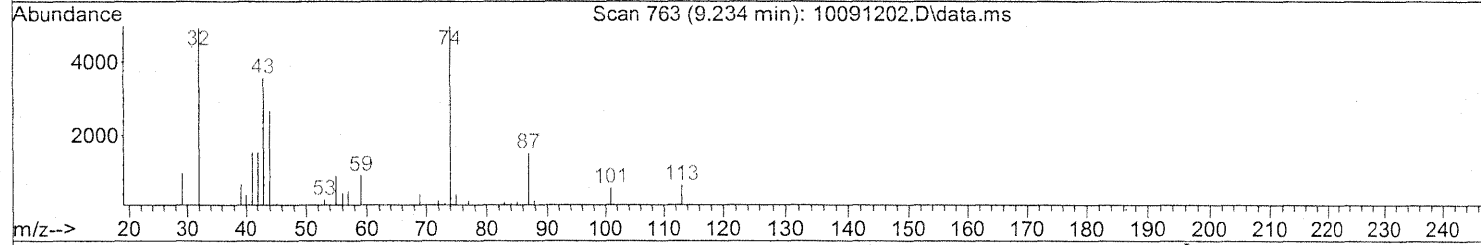
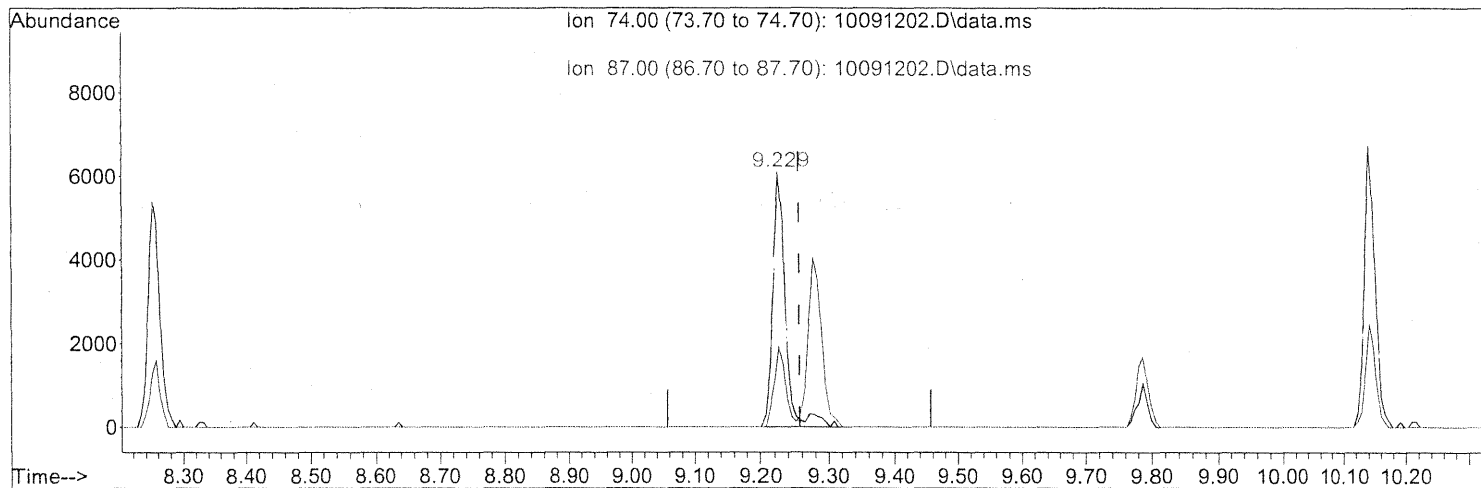
Ion	Exp%	Act%
74.15	100	100
87.10	31.30	0.00#
99.10	18.10	0.00
0.00	0.00	0.00

Handwritten notes:
 TV
 (MD)
 10/10/12
 2h
 10/10/12

Quantitation Report (Qedit)

Data Path : J:\MS14\DATA\ACIDS\2012_10\09\
 Data File : 10091202.D
 Acq On : 9 Oct 2012 10:55 am
 Operator : MD
 Sample : 0.25/0.5 ug/ml Carboxylic Acids
 Misc : S26-10
 ALS Vial : 2 Sample Multiplier: 1

Quant Time: Oct 09 11:33:22 2012
 Quant Method : J:\MS14\METHODS\CA100912E.M
 Quant Title : Short Chain Carboxylic Acids in Air
 QLast Update : Tue Aug 21 11:07:14 2012
 DataAcq Meth:FAME



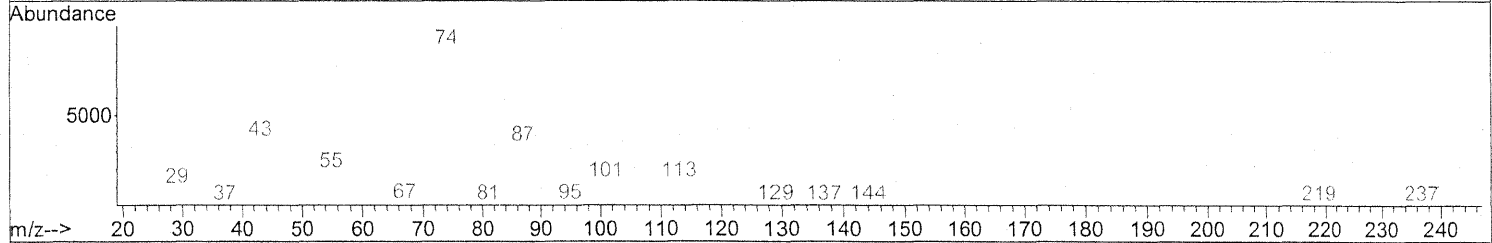
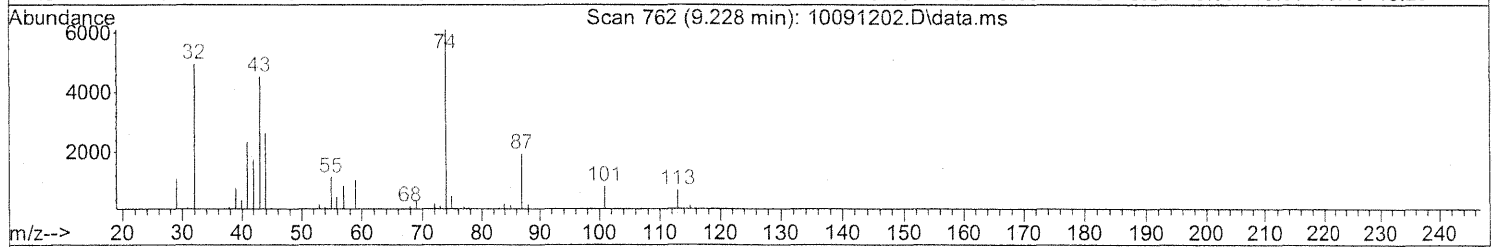
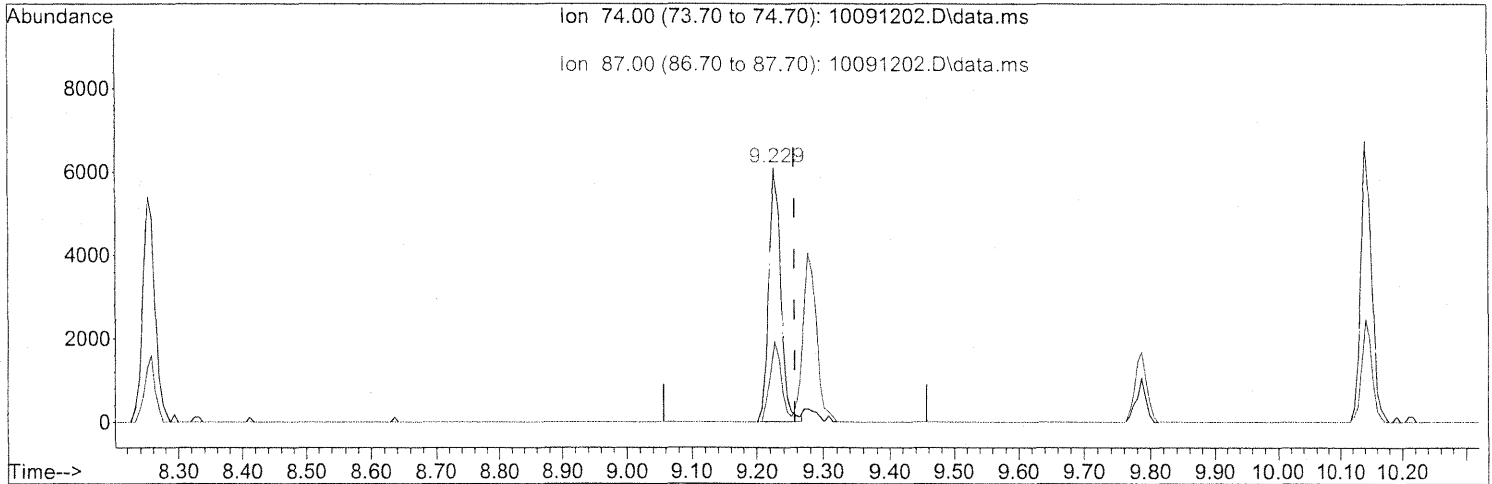
(14) Heptanoic acid (T)
 9.231min (-0.027) 0.22ug/ml
 response 79321

Ion	Exp%	Act%
74.00	100	100
43.00	38.70	35.00
87.00	31.30	73.19#
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : J:\MS14\DATA\ACIDS\2012_10\09\
 Data File : 10091202.D
 Acq On : 9 Oct 2012 10:55 am
 Operator : MD
 Sample : 0.25/0.5 ug/ml Carboxylic Acids
 Misc : S26-10
 ALS Vial : 2 Sample Multiplier: 1

Quant Time: Oct 09 11:33:22 2012
 Quant Method : J:\MS14\METHODS\CA100912E.M
 Quant Title : Short Chain Carboxylic Acids in Air
 QLast Update : Tue Aug 21 11:07:14 2012
 DataAcq Meth:FAME



(14) Heptanoic acid (T)
 9.228min (-0.030) 0.21ug/ml m
 response 74639

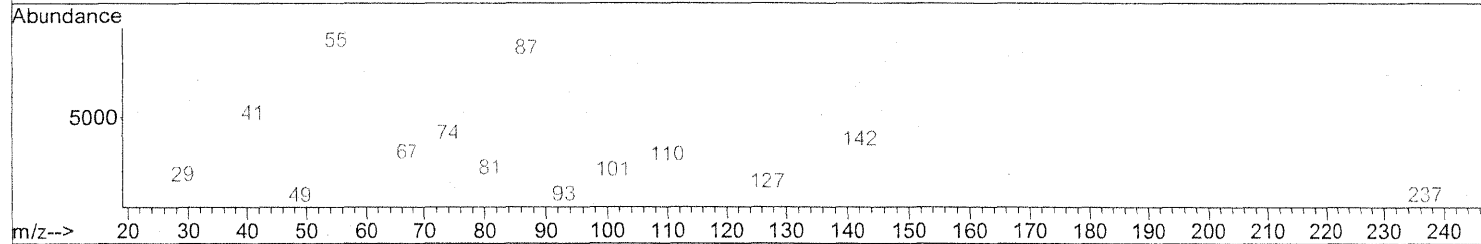
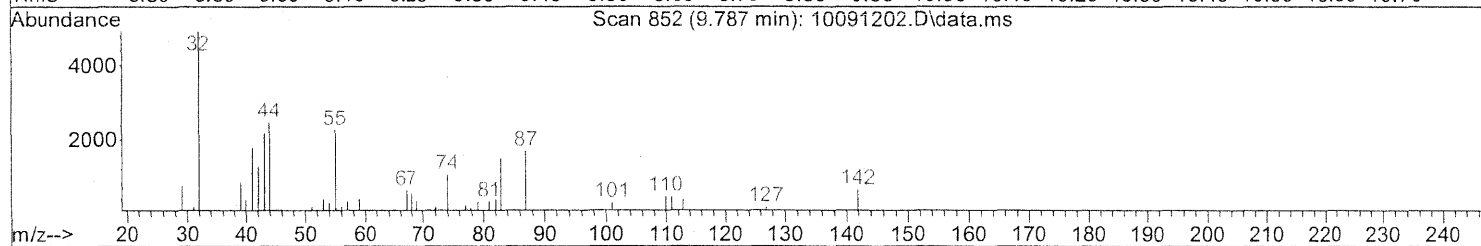
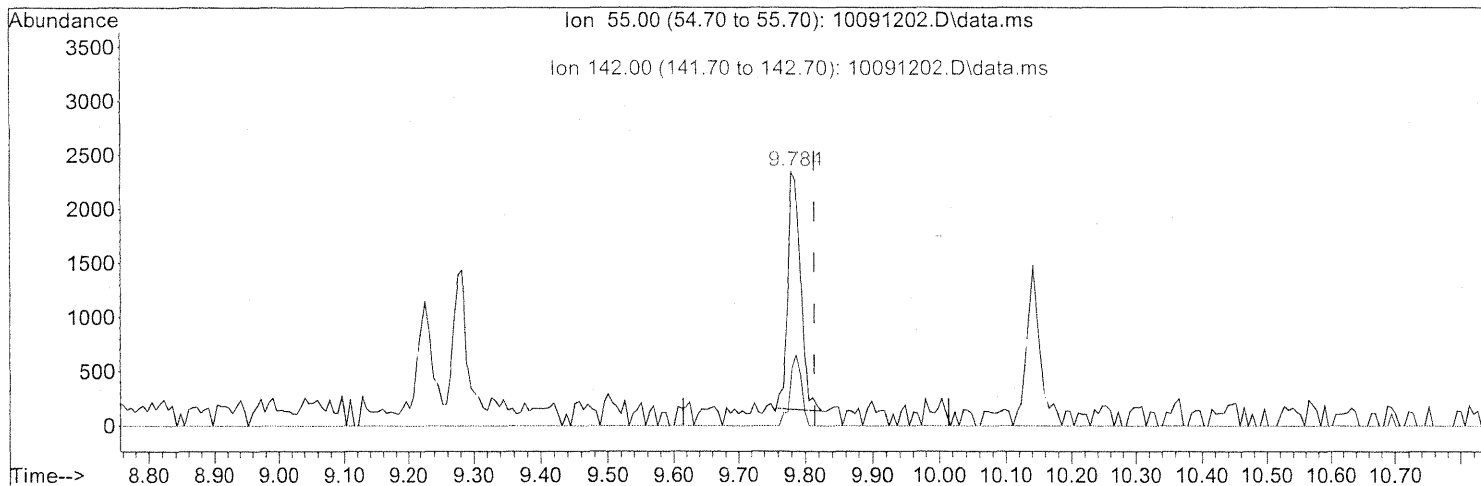
Ion	Exp%	Act%
74.00	100	100
43.00	38.70	37.19
87.00	31.30	77.78#
0.00	0.00	0.00

Handwritten notes:
 12 (10) 10/10/12
 zw
 10/10/12

Quantitation Report (Qedit)

Data Path : J:\MS14\DATA\ACIDS\2012_10\09\
 Data File : 10091202.D
 Acq On : 9 Oct 2012 10:55 am
 Operator : MD
 Sample : 0.25/0.5 ug/ml Carboxylic Acids
 Misc : S26-10
 ALS Vial : 2 Sample Multiplier: 1

Quant Time: Oct 09 11:33:22 2012
 Quant Method : J:\MS14\METHODS\CA100912E.M
 Quant Title : Short Chain Carboxylic Acids in Air
 QLast Update : Tue Aug 21 11:07:14 2012
 DataAcq Meth:FAME



(16) Cyclohexanecarboxylic acid (T)

9.787min (-0.028) 0.20ug/ml

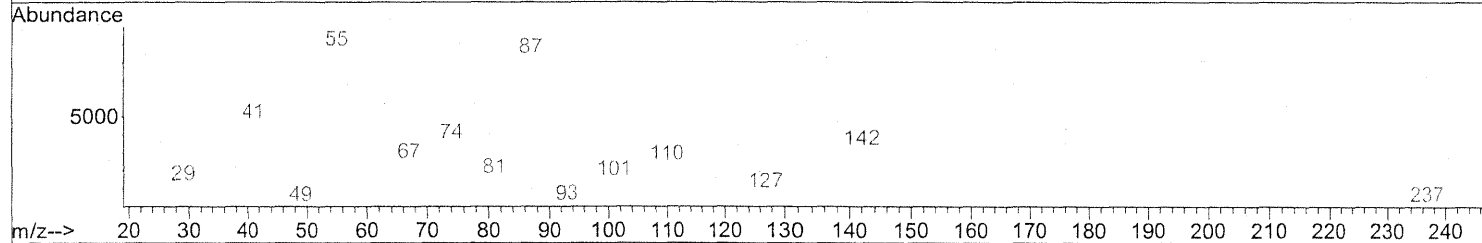
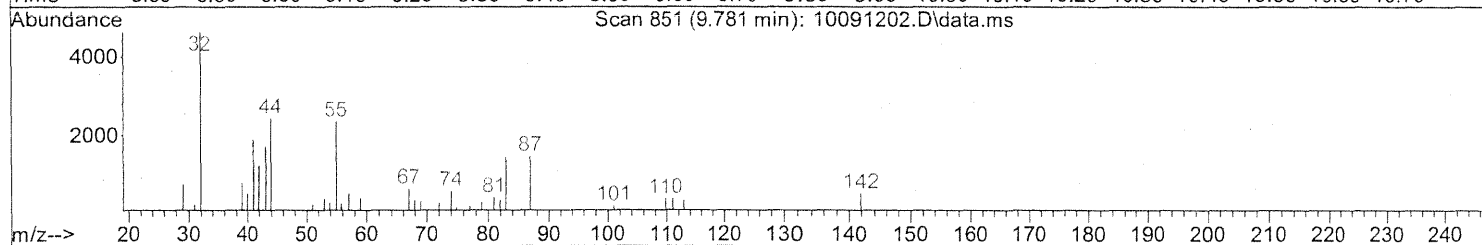
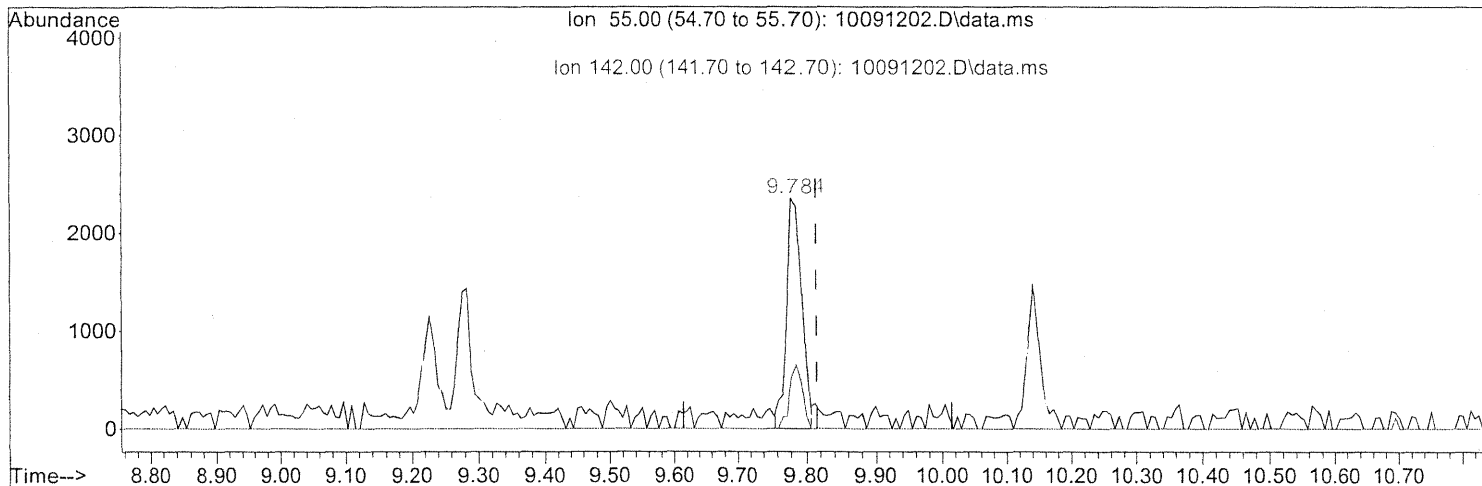
response 28873

Ion	Exp%	Act%
55.00	100	100
87.00	74.50	74.12
142.00	25.30	0.00#
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : J:\MS14\DATA\ACIDS\2012_10\09\
 Data File : 10091202.D
 Acq On : 9 Oct 2012 10:55 am
 Operator : MD
 Sample : 0.25/0.5 ug/ml Carboxylic Acids
 Misc : S26-10
 ALS Vial : 2 Sample Multiplier: 1

Quant Time: Oct 09 11:33:22 2012
 Quant Method : J:\MS14\METHODS\CA100912E.M
 Quant Title : Short Chain Carboxylic Acids in Air
 QLast Update : Tue Aug 21 11:07:14 2012
 DataAcq Meth:FAME



(16) Cyclohexanecarboxylic acid (T)

9.781min (-0.034) 0.23ug/ml m

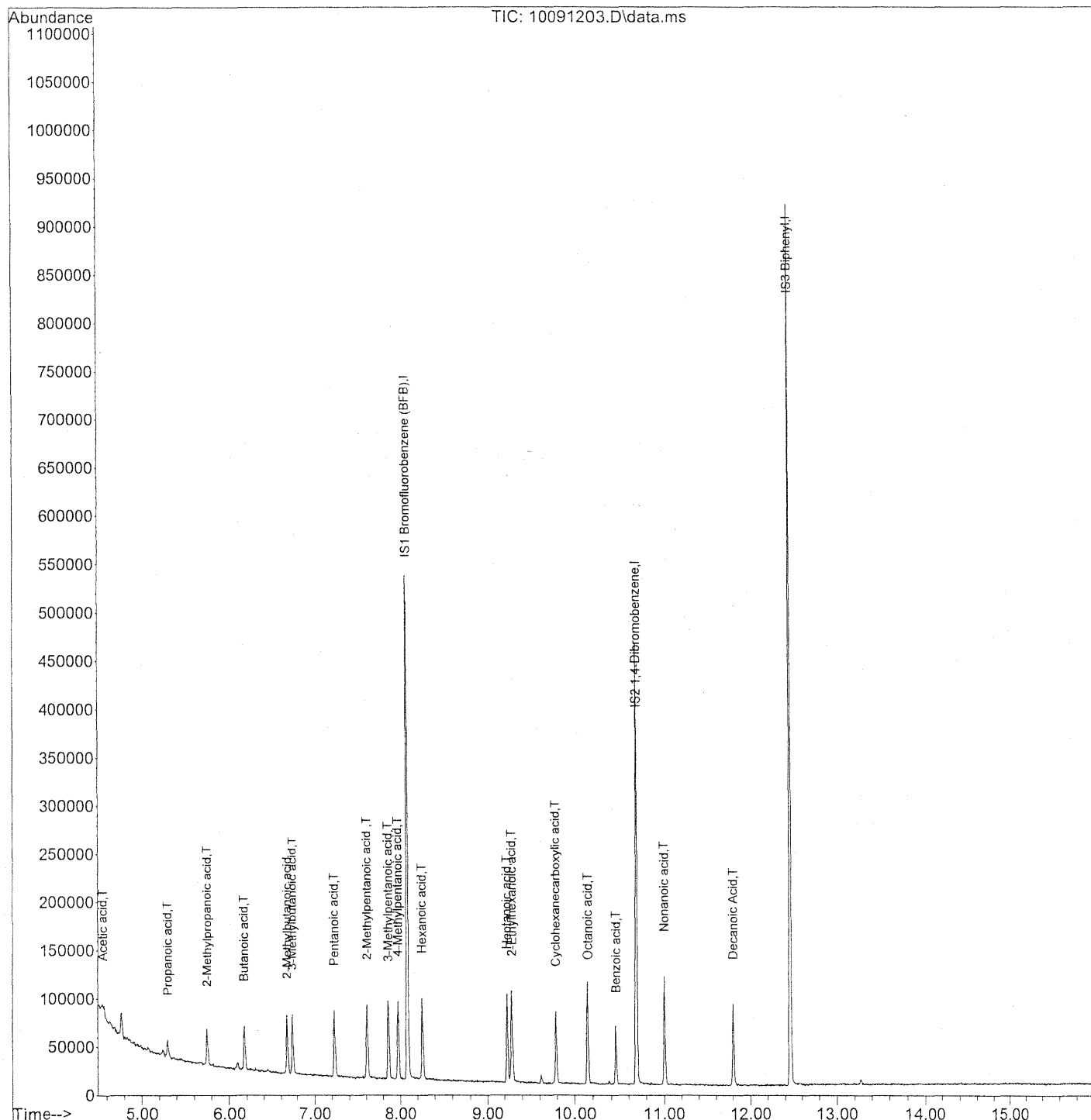
response 33123

Ion	Exp%	Act%
55.00	100	100
87.00	74.50	64.61
142.00	25.30	0.00#
0.00	0.00	0.00

Handwritten notes:
 12
 (circled 12)
 09/10/12
 26
 10/10/12

Data Path : J:\MS14\DATA\ACIDS\2012_10\09\
 Data File : 10091203.D
 Acq On : 9 Oct 2012 11:16 am
 Operator : MD
 Sample : 1/2 ug/ml Carboxylic Acids
 Misc : S26-10081202
 ALS Vial : 3 Sample Multiplier: 1

Quant Time: Oct 09 11:44:56 2012
 Quant Method : J:\MS14\METHODS\CA100912E.M
 Quant Title : Short Chain Carboxylic Acids in Air
 QLast Update : Tue Oct 09 11:43:56 2012
 DataAcq Meth:FAME



Data Path : J:\MS14\DATA\ACIDS\2012_10\09\
 Data File : 10091203.D
 Acq On : 9 Oct 2012 11:16 am
 Operator : MD
 Sample : 1/2 ug/ml Carboxylic Acids
 Misc : S26-10081202
 ALS Vial : 3 Sample Multiplier: 1

MD
 10/10/12

Quant Time: Oct 09 11:44:56 2012
 Quant Method : J:\MS14\METHODS\CA100912E.M
 Quant Title : Short Chain Carboxylic Acids in Air
 QLast Update : Tue Oct 09 11:43:56 2012
 DataAcq Meth:FAME

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) IS1 Bromofluorobenzene...	8.08	95	1336680	10.00	ug/ml	-0.03
13) IS2 1,4-Dibromobenzene	10.70	236	846688	10.00	ug/ml	-0.03
19) IS3 Biphenyl	12.47	154	3796213	10.00	ug/ml	-0.02

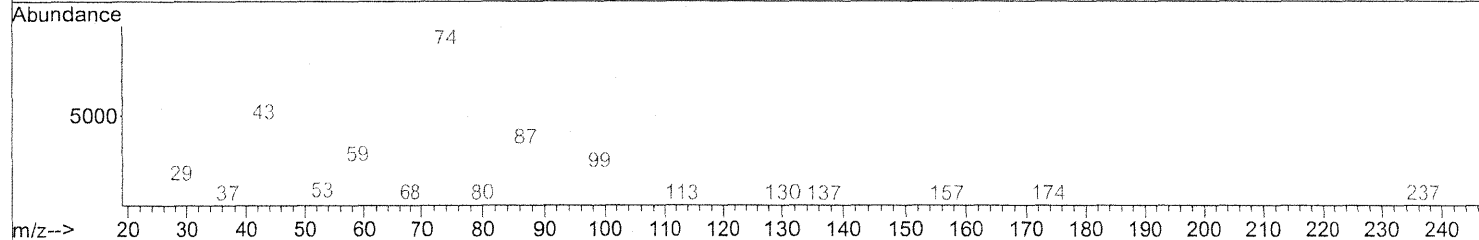
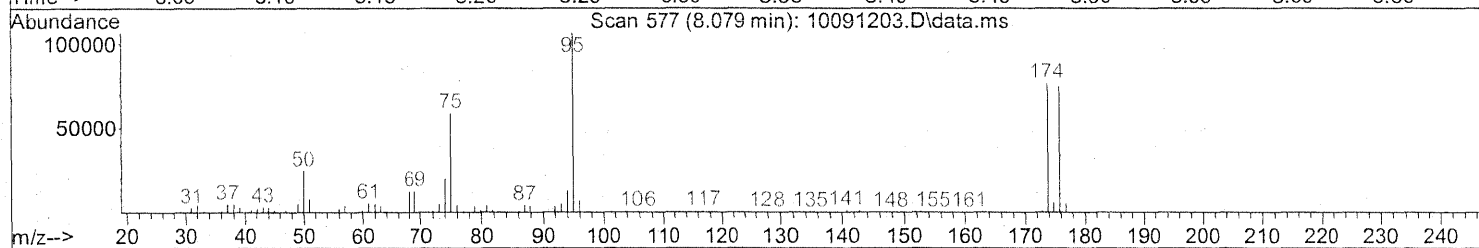
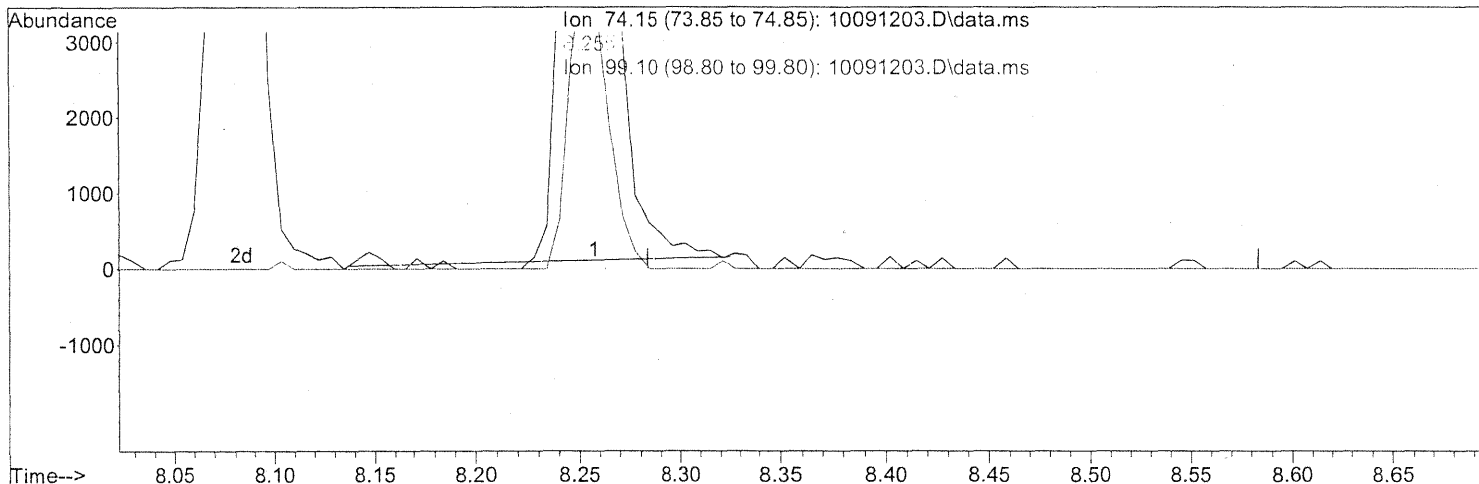
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Acetic acid	4.56	74	28790	2.69	ug/ml#	46
3) Propanoic acid	5.31	57	94189	1.13	ug/ml	98
4) 2-Methylpropanoic acid	5.75	71	67296	0.94	ug/ml	98
5) Butanoic acid	6.17	74	115261	0.96	ug/ml	96
6) 2-Methylbutanoic acid	6.67	88	172358	0.90	ug/ml	96
7) 3-Methylbutanoic acid	6.74	74	226116	0.94	ug/ml	99
8) Pentanoic acid	7.23	74	222097	0.98	ug/ml	98
9) 2-Methylpentanoic acid	7.61	88	309181	0.97	ug/ml	98
10) 3-Methylpentanoic acid	7.86	74	346609	0.90	ug/ml	98
11) 4-Methylpentanoic acid	7.98	74	172481	0.92	ug/ml	94
12) Hexanoic acid	8.25	74	301816m	0.90	ug/ml	
14) Heptanoic acid	9.23	74	315044	0.85	ug/ml	97
15) 2-Ethylhexanoic acid	9.28	87	249529	0.89	ug/ml	95
16) Cyclohexanecarboxylic ...	9.79	55	150645	1.04	ug/ml	96
17) Octanoic acid	10.15	74	375487	0.94	ug/ml	97
18) Benzoic acid	10.45	105	243357	0.55	ug/ml	98
20) Nonanoic acid	11.00	74	390440	0.88	ug/ml	96
21) Decanoic Acid	11.80	74	294133	0.84	ug/ml#	99

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (Qedit)

Data Path : J:\MS14\DATA\ACIDS\2012_10\09\
 Data File : 10091203.D
 Acq On : 9 Oct 2012 11:16 am
 Operator : MD
 Sample : 1/2 ug/ml Carboxylic Acids
 Misc : S26-10
 ALS Vial : 3 Sample Multiplier: 1

Quant Time: Oct 09 11:44:22 2012
 Quant Method : J:\MS14\METHODS\CA100912E.M
 Quant Title : Short Chain Carboxylic Acids in Air
 QLast Update : Tue Oct 09 11:43:56 2012
 DataAcq Meth:FAME



(12) Hexanoic acid (T)

8.258min (-0.026) 0.87ug/ml

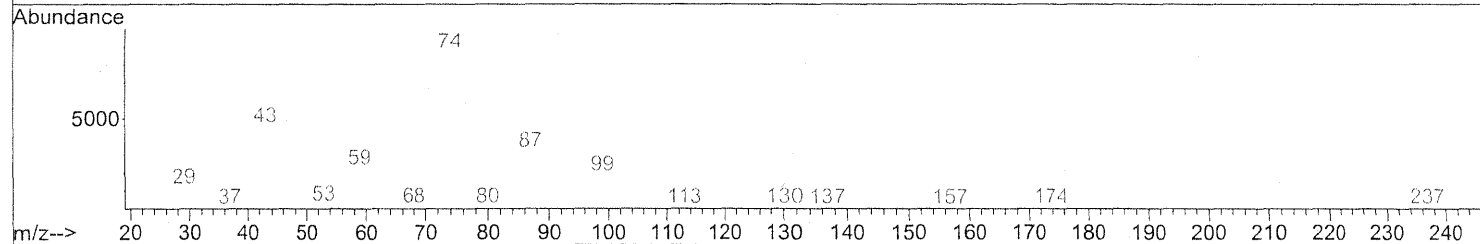
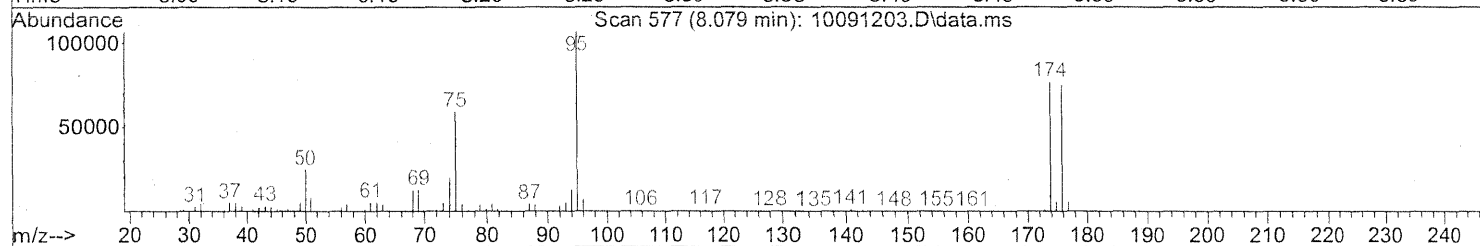
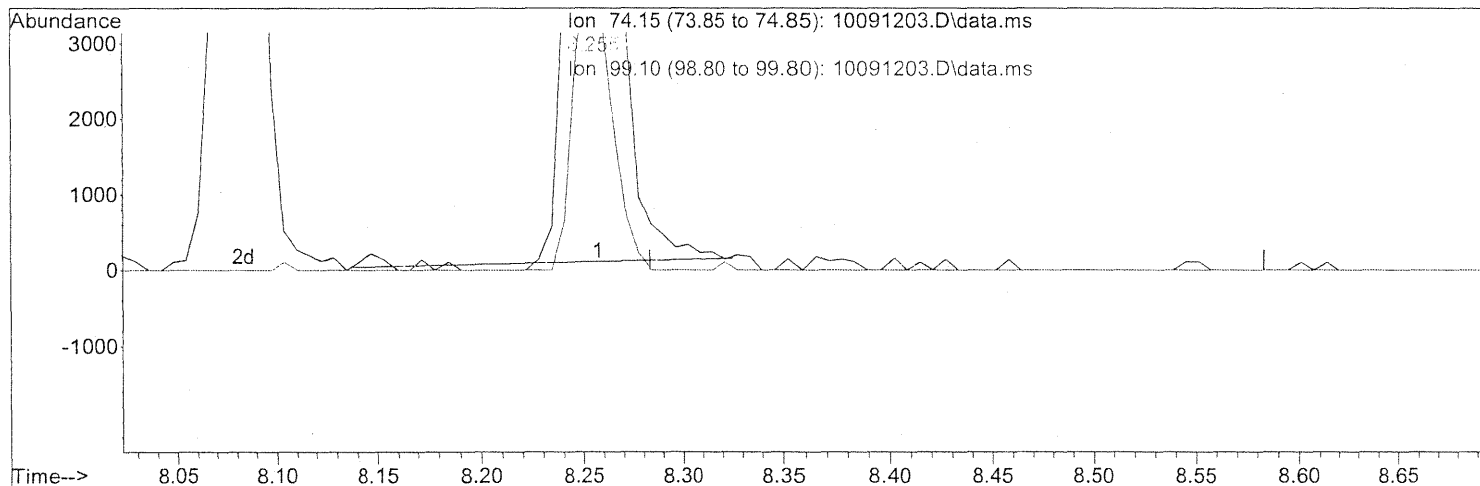
response 292011

Ion	Exp%	Act%
74.15	100	100
87.10	31.30	29.26
99.10	18.10	17.58
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : J:\MS14\DATA\ACIDS\2012_10\09\
 Data File : 10091203.D
 Acq On : 9 Oct 2012 11:16 am
 Operator : MD
 Sample : 1/2 ug/ml Carboxylic Acids
 Misc : S26-10
 ALS Vial : 3 Sample Multiplier: 1

Quant Time: Oct 09 11:44:22 2012
 Quant Method : J:\MS14\METHODS\CA100912E.M
 Quant Title : Short Chain Carboxylic Acids in Air
 QLast Update : Tue Oct 09 11:43:56 2012
 DataAcq Meth:FAME



(12) Hexanoic acid (T)
 8.258min (-0.026) 0.87ug/ml
 response 292011

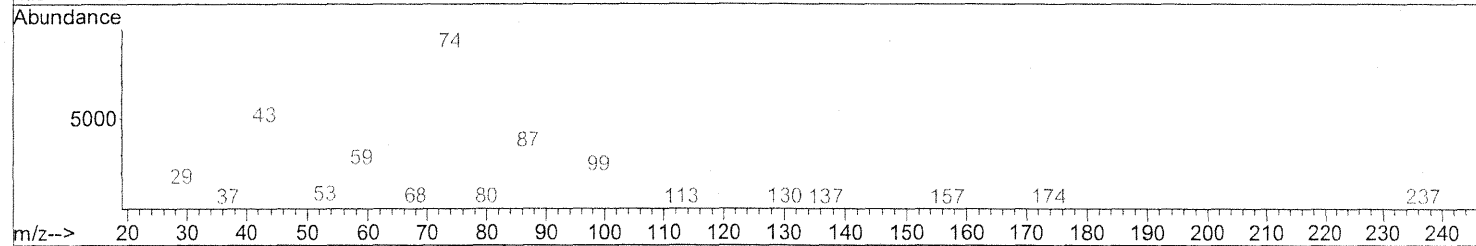
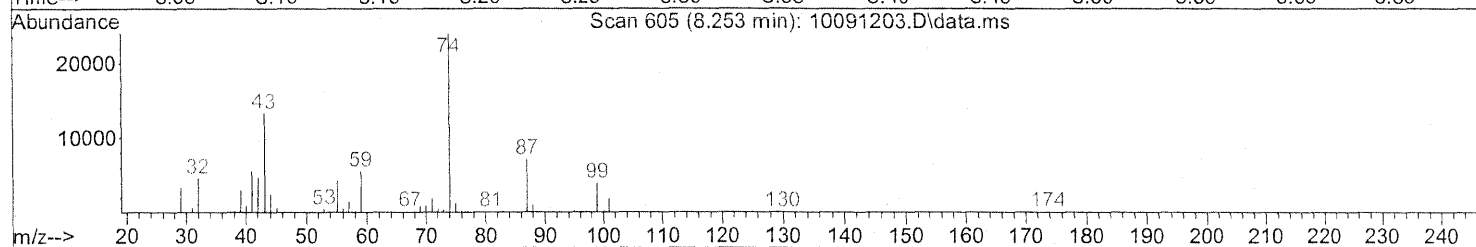
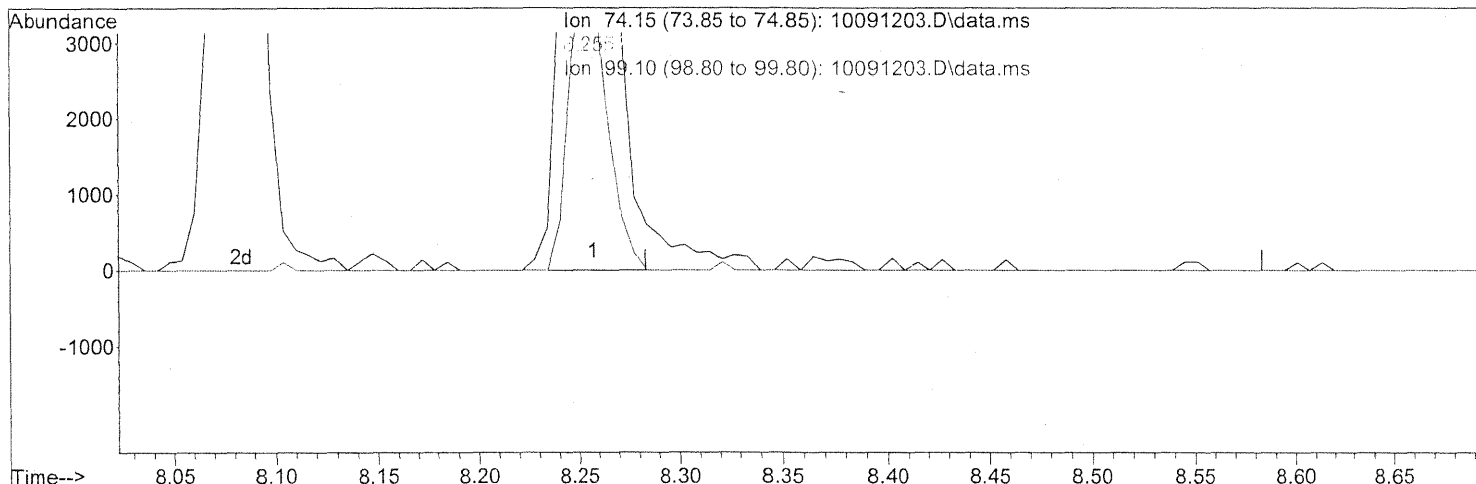
Ion	Exp%	Act%
74.15	100	100
87.10	31.30	29.26
99.10	18.10	17.58
0.00	0.00	0.00

Handwritten notes:
 12
 (12)
 10/10/12
 2u
 10/10/12

Quantitation Report (Qedit)

Data Path : J:\MS14\DATA\ACIDS\2012_10\09\
 Data File : 10091203.D
 Acq On : 9 Oct 2012 11:16 am
 Operator : MD
 Sample : 1/2 ug/ml Carboxylic Acids
 Misc : S26-10
 ALS Vial : 3 Sample Multiplier: 1

Quant Time: Oct 09 11:44:22 2012
 Quant Method : J:\MS14\METHODS\CA100912E.M
 Quant Title : Short Chain Carboxylic Acids in Air
 QLast Update : Tue Oct 09 11:43:56 2012
 DataAcq Meth:FAME



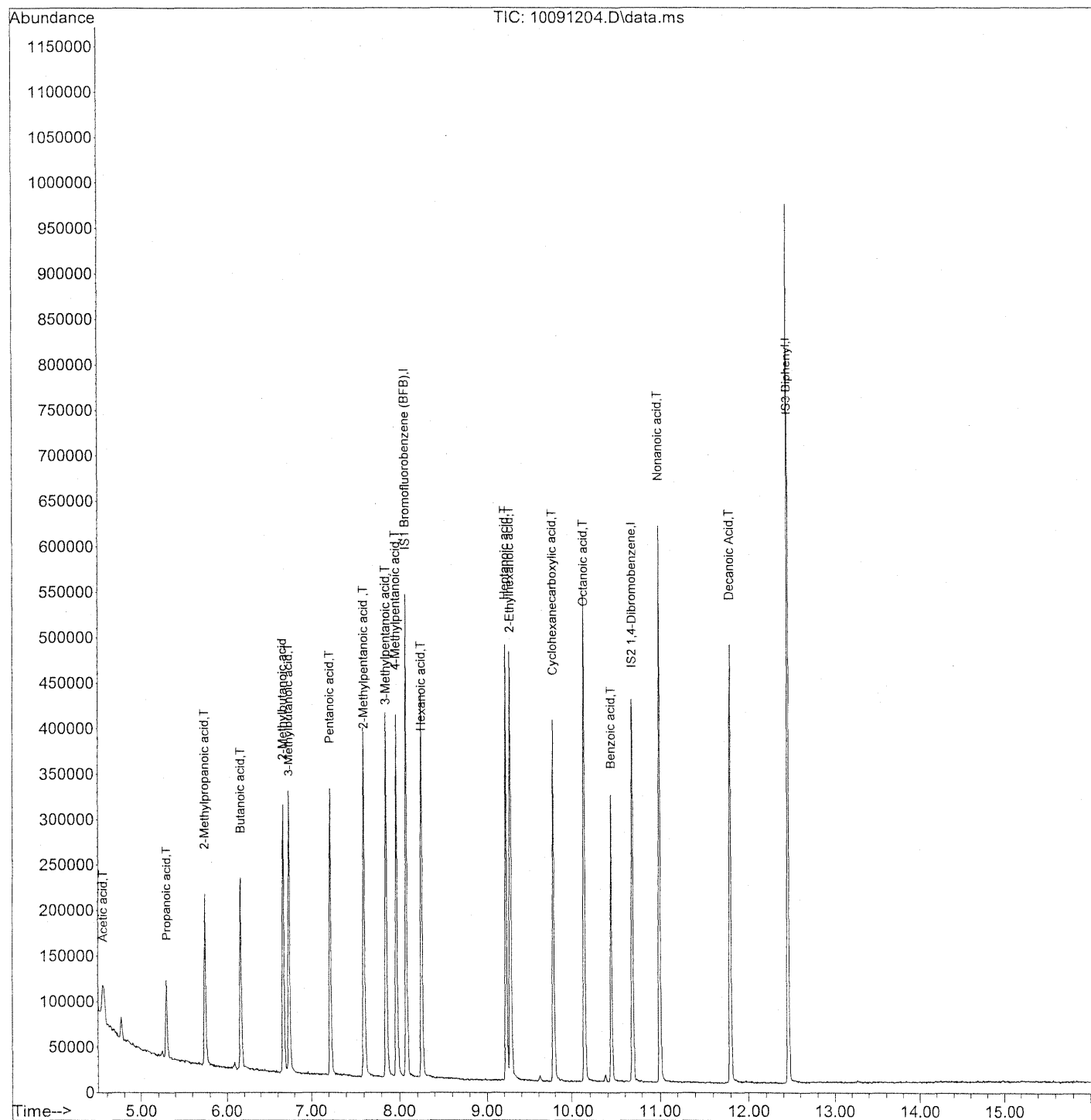
(12) Hexanoic acid (T)
 8.253min (-0.031) 0.90ug/ml m
 response 301816

Ion	Exp%	Act%
74.15	100	100
87.10	31.30	28.31
99.10	18.10	17.00
0.00	0.00	0.00

Handwritten notes:
 12
 (MD)
 10/10/12
 zw
 10/10/12

Data Path : J:\MS14\DATA\ACIDS\2012_10\09\
 Data File : 10091204.D
 Acq On : 9 Oct 2012 11:37 am
 Operator : MD
 Sample : 5/10 ug/ml Carboxylic Acids
 Misc : S26-10051214
 ALS Vial : 4 Sample Multiplier: 1

Quant Time: Oct 09 12:05:12 2012
 Quant Method : J:\MS14\METHODS\CA100912E.M
 Quant Title : Short Chain Carboxylic Acids in Air
 QLast Update : Tue Oct 09 11:45:33 2012
 DataAcq Meth:FAME



Data Path : J:\MS14\DATA\ACIDS\2012_10\09\
 Data File : 10091204.D
 Acq On : 9 Oct 2012 11:37 am
 Operator : MD
 Sample : 5/10 ug/ml Carboxylic Acids
 Misc : S26-10051214
 ALS Vial : 4 Sample Multiplier: 1

Quant Time: Oct 09 12:05:12 2012
 Quant Method : J:\MS14\METHODS\CA100912E.M
 Quant Title : Short Chain Carboxylic Acids in Air
 QLast Update : Tue Oct 09 11:45:33 2012
 DataAcq Meth:FAME

(Handwritten signature)
 10/10/12

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev (Min)
1) IS1 Bromofluorobenzene...	8.08	95	1282028	10.00	ug/ml	-0.03
13) IS2 1,4-Dibromobenzene	10.70	236	843520	10.00	ug/ml	-0.03
19) IS3 Biphenyl	12.47	154	3829818	10.00	ug/ml	-0.02

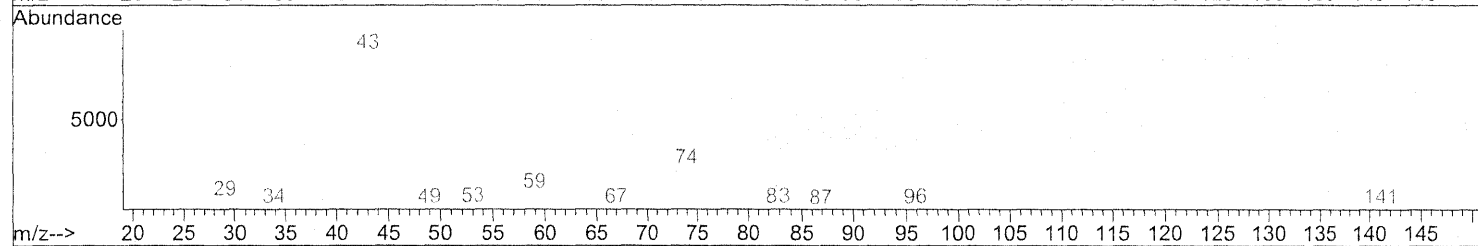
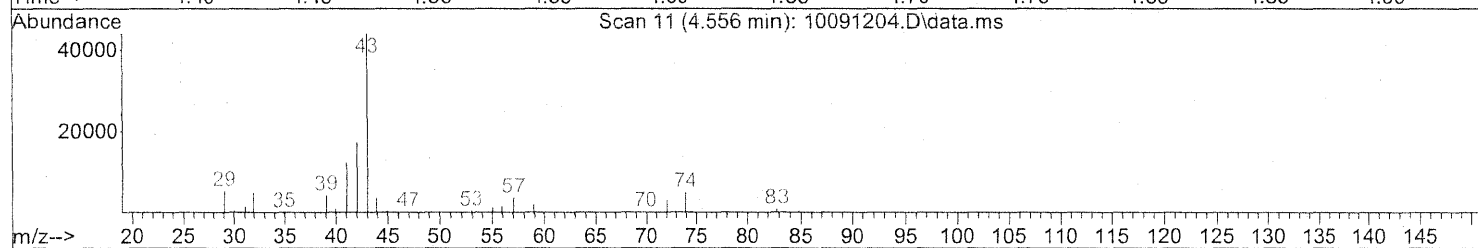
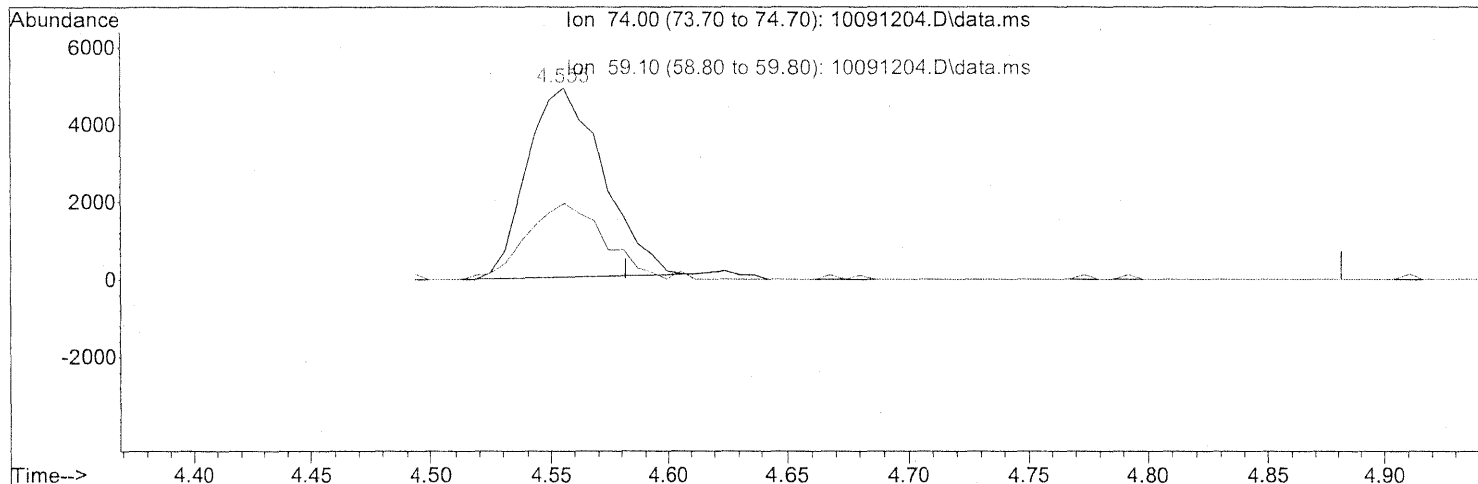
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Acetic acid	4.56	74	115901m	9.07	ug/ml	
3) Propanoic acid	5.30	57	448899	4.74	ug/ml	97
4) 2-Methylpropanoic acid	5.75	71	328862	4.32	ug/ml	95
5) Butanoic acid	6.17	74	570327	4.41	ug/ml	98
6) 2-Methylbutanoic acid	6.67	88	861630	4.20	ug/ml	96
7) 3-Methylbutanoic acid	6.74	74	1128968	4.36	ug/ml	99
8) Pentanoic acid	7.22	74	1102951	4.45	ug/ml	96
9) 2-Methylpentanoic acid	7.61	88	1483914	4.27	ug/ml	98
10) 3-Methylpentanoic acid	7.86	74	1704951	4.14	ug/ml	99
11) 4-Methylpentanoic acid	7.97	74	887648	4.36	ug/ml	100
12) Hexanoic acid	8.25	74	1479477	4.12	ug/ml	98
14) Heptanoic acid	9.23	74	1662560	4.15	ug/ml	98
15) 2-Ethylhexanoic acid	9.28	87	1267967	4.09	ug/ml	96
16) Cyclohexanecarboxylic ...	9.79	55	694824	4.22	ug/ml	89
17) Octanoic acid	10.15	74	1919239	4.29	ug/ml	99
18) Benzoic acid	10.45	105	1290323	2.89	ug/ml	98
20) Nonanoic acid	11.00	74	2078106	4.16	ug/ml	97
21) Decanoic Acid	11.80	74	1626311	4.13	ug/ml	99

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (Qedit)

Data Path : J:\MS14\DATA\ACIDS\2012_10\09\
 Data File : 10091204.D
 Acq On : 9 Oct 2012 11:37 am
 Operator : MD
 Sample : 5/10 ug/ml Carboxylic Acids
 Misc : S26-10
 ALS Vial : 4 Sample Multiplier: 1

Quant Time: Oct 09 12:04:58 2012
 Quant Method : J:\MS14\METHODS\CA100912E.M
 Quant Title : Short Chain Carboxylic Acids in Air
 QLast Update : Tue Oct 09 11:45:33 2012
 DataAcq Meth:FAME



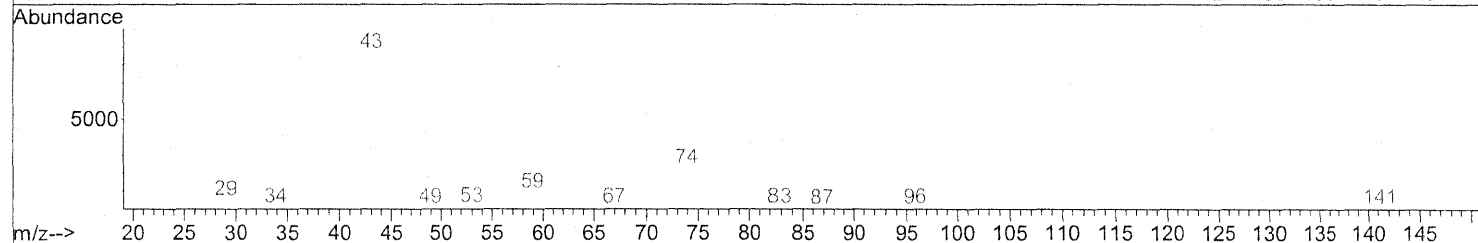
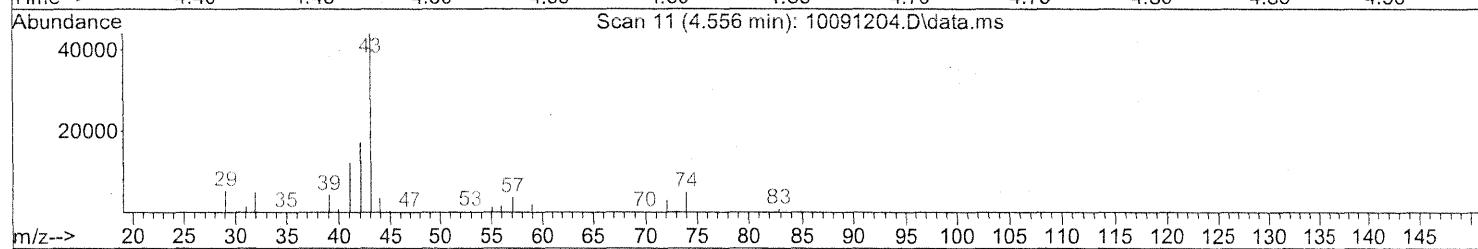
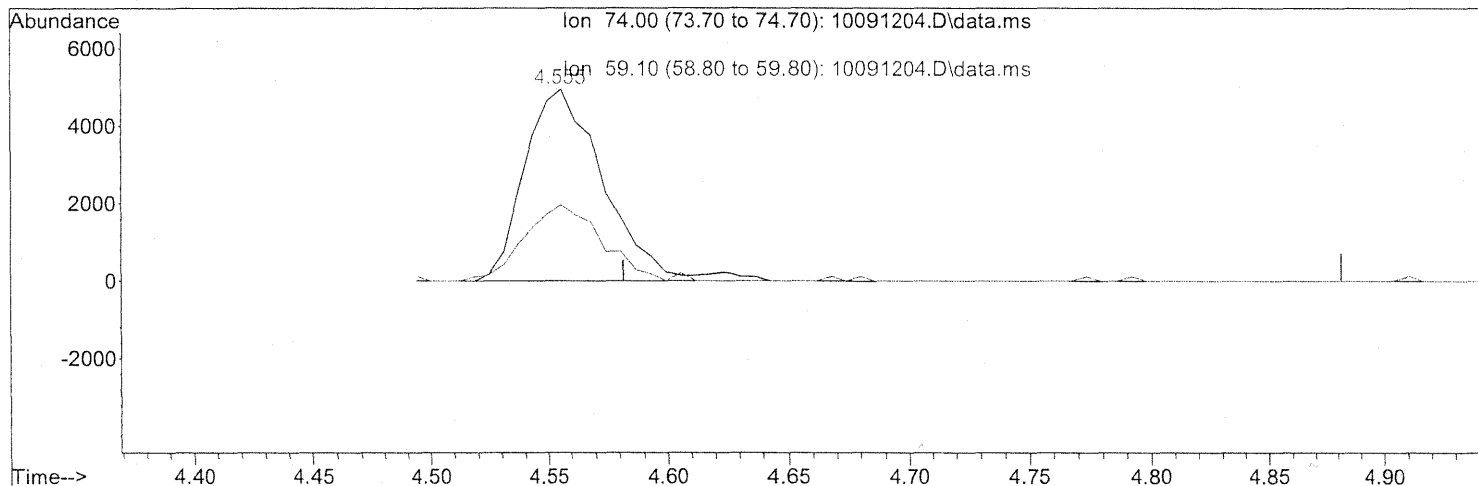
(2) Acetic acid (T)
 4.557min (-0.025) 8.55ug/ml
 response 109220

Ion	Exp%	Act%
74.00	100	100
43.00	789.60	453.83#
59.10	44.70	41.21
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : J:\MS14\DATA\ACIDS\2012_10\09\
 Data File : 10091204.D
 Acq On : 9 Oct 2012 11:37 am
 Operator : MD
 Sample : 5/10 ug/ml Carboxylic Acids
 Misc : S26-10
 ALS Vial : 4 Sample Multiplier: 1

Quant Time: Oct 09 12:04:58 2012
 Quant Method : J:\MS14\METHODS\CA100912E.M
 Quant Title : Short Chain Carboxylic Acids in Air
 QLast Update : Tue Oct 09 11:45:33 2012
 DataAcq Meth:FAME



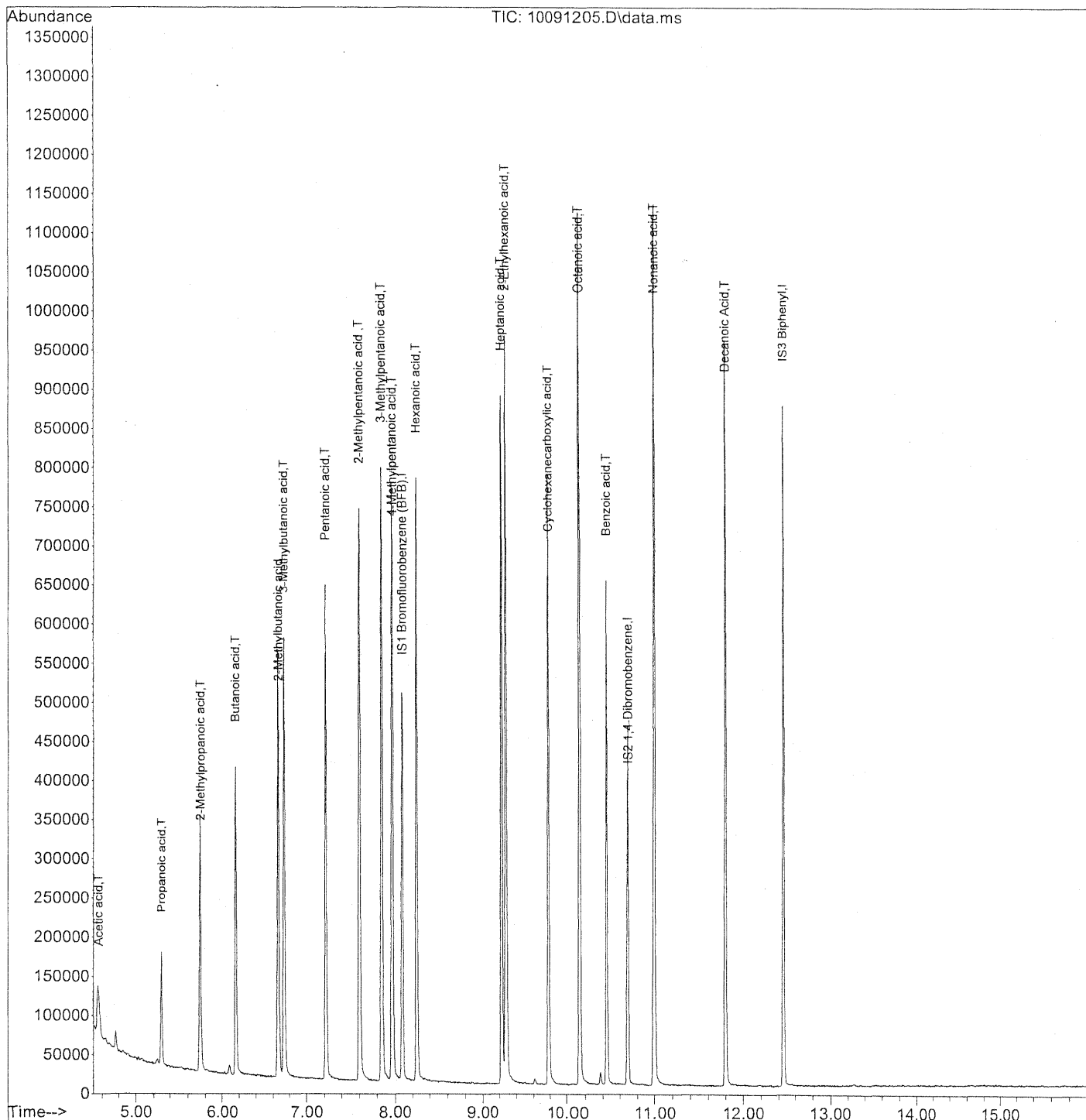
(2) Acetic acid (T)
 4.556min (-0.026) 9.07ug/ml m
 response 115901

Ion	Exp%	Act%
74.00	100	100
43.00	789.60	427.67#
59.10	44.70	38.83
0.00	0.00	0.00

Handwritten notes:
 12 (MP) 10/10/12
 2u 10/10/12

Data Path : J:\MS14\DATA\ACIDS\2012_10\09\
 Data File : 10091205.D
 Acq On : 9 Oct 2012 11:58 am
 Operator : MD
 Sample : 10/20 ug/ml Carboxylic Acids
 Misc : S26-10081201
 ALS Vial : 5 Sample Multiplier: 1

Quant Time: Oct 09 12:20:34 2012
 Quant Method : J:\MS14\METHODS\CA100912E.M
 Quant Title : Short Chain Carboxylic Acids in Air
 QLast Update : Tue Oct 09 12:07:54 2012
 DataAcq Meth:FAME



Data Path : J:\MS14\DATA\ACIDS\2012_10\09\
 Data File : 10091205.D
 Acq On : 9 Oct 2012 11:58 am
 Operator : MD
 Sample : 10/20 ug/ml Carboxylic Acids
 Misc : S26-10081201
 ALS Vial : 5 Sample Multiplier: 1

Quant Time: Oct 09 12:20:34 2012
 Quant Method : J:\MS14\METHODS\CA100912E.M
 Quant Title : Short Chain Carboxylic Acids in Air
 QLast Update : Tue Oct 09 12:07:54 2012
 DataAcq Meth:FAME

MD
 10/10/12

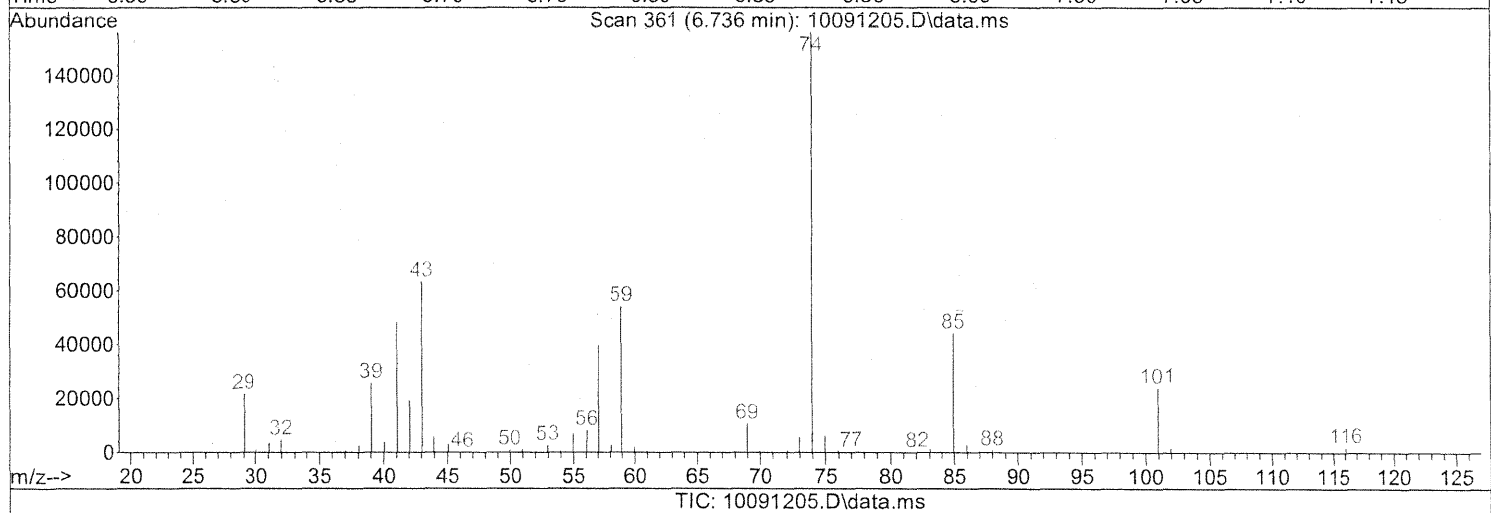
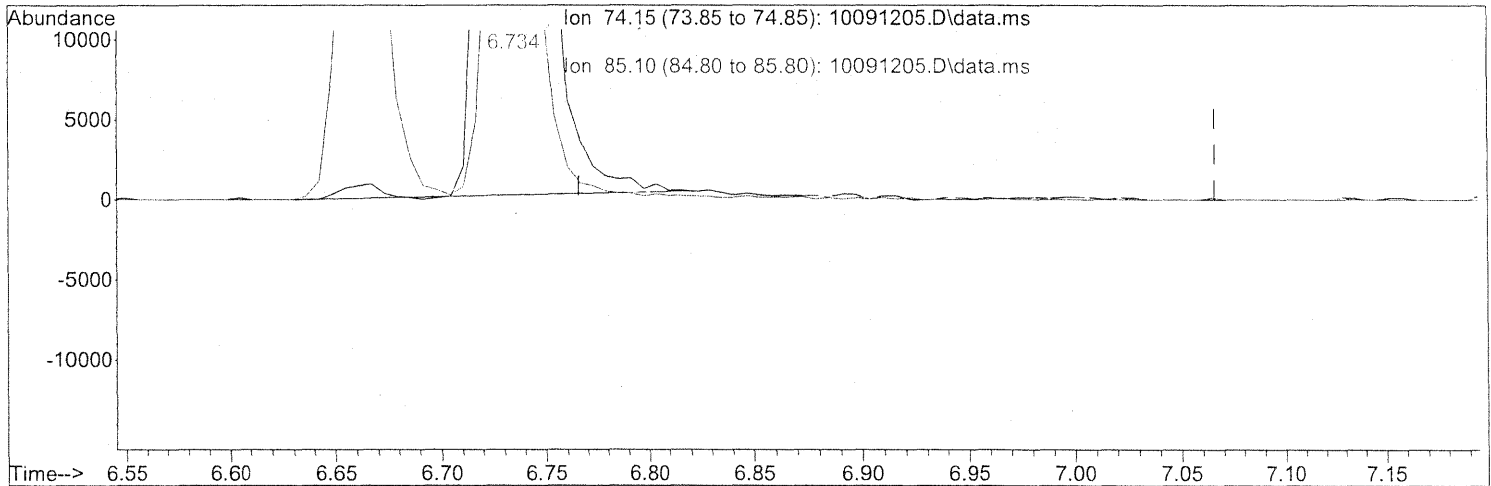
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev (Min)
1) IS1 Bromofluorobenzene...	8.08	95	1282350	10.00	ug/ml	-0.03
13) IS2 1,4-Dibromobenzene	10.70	236	855965	10.00	ug/ml	-0.03
19) IS3 Biphenyl	12.46	154	3698757	10.00	ug/ml	-0.03

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Acetic acid	4.56	74	172333	14.40	ug/ml#	9
3) Propanoic acid	5.30	57	736269	8.95	ug/ml	97
4) 2-Methylpropanoic acid	5.74	71	556926	8.25	ug/ml	99
5) Butanoic acid	6.16	74	1043065	9.06	ug/ml	98
6) 2-Methylbutanoic acid	6.66	88	1613858	8.97	ug/ml	95
7) 3-Methylbutanoic acid	6.74	74	2126035m	9.36	ug/ml	
8) Pentanoic acid	7.22	74	2078570	9.46	ug/ml	96
9) 2-Methylpentanoic acid	7.61	88	2889180	9.47	ug/ml	99
10) 3-Methylpentanoic acid	7.86	74	3330543	9.28	ug/ml	98
11) 4-Methylpentanoic acid	7.97	74	1702815	9.50	ug/ml	99
12) Hexanoic acid	8.25	74	2869410	9.13	ug/ml	98
14) Heptanoic acid	9.23	74	3225051	9.22	ug/ml	97
15) 2-Ethylhexanoic acid	9.28	87	2471662	9.17	ug/ml	97
16) Cyclohexanecarboxylic ...	9.79	55	1384687	9.72	ug/ml	92
17) Octanoic acid	10.15	74	3823190	9.66	ug/ml	98
18) Benzoic acid	10.45	105	2422106	6.55	ug/ml	99
20) Nonanoic acid	11.00	74	4085347	9.67	ug/ml	97
21) Decanoic Acid	11.80	74	3194288	9.53	ug/ml	99

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : J:\MS14\DATA\ACIDS\2012_10\09\
 Data File : 10091205.D
 Acq On : 9 Oct 2012 11:58 am
 Operator : MD
 Sample : 10/20 ug/ml Carboxylic Acids
 Misc : S26-10
 ALS Vial : 5 Sample Multiplier: 1

Quant Time: Oct 09 12:20:15 2012
 Quant Method : J:\MS14\METHODS\CA100912E.M
 Quant Title : Short Chain Carboxylic Acids in Air
 QLast Update : Tue Oct 09 12:07:54 2012
 DataAcq Meth:FAME



(7) 3-Methylbutanoic acid (T)

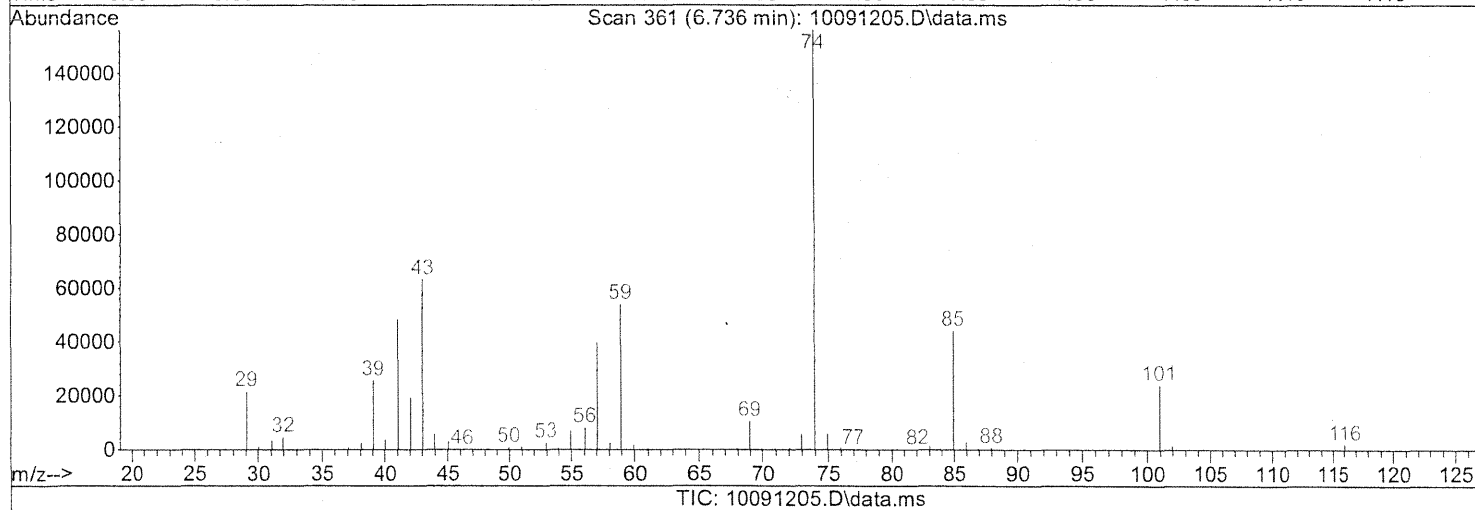
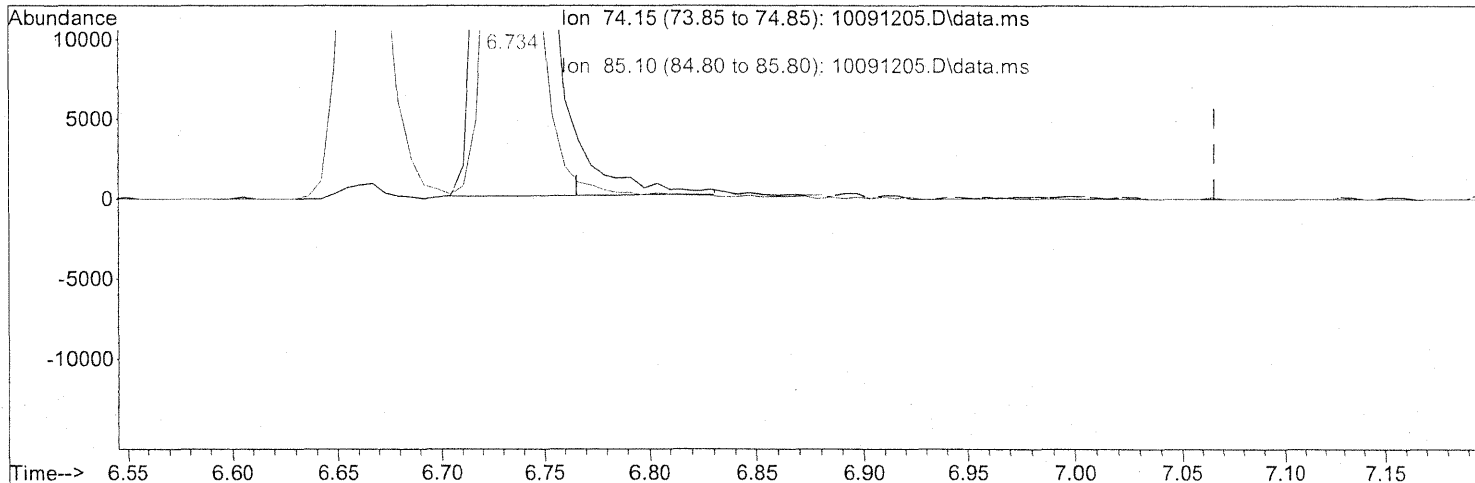
6.736min (-0.030) 9.34ug/ml

response 2123190

Ion	Exp%	Act%
74.15	100	100
59.05	35.50	35.54
85.10	28.70	28.52
0.00	0.00	0.00

Data Path : J:\MS14\DATA\ACIDS\2012_10\09\
 Data File : 10091205.D
 Acq On : 9 Oct 2012 11:58 am
 Operator : MD
 Sample : 10/20 ug/ml Carboxylic Acids
 Misc : S26-10
 ALS Vial : 5 Sample Multiplier: 1

Quant Time: Oct 09 12:20:15 2012
 Quant Method : J:\MS14\METHODS\CA100912E.M
 Quant Title : Short Chain Carboxylic Acids in Air
 QLast Update : Tue Oct 09 12:07:54 2012
 DataAcq Meth:FAME



(7) 3-Methylbutanoic acid (T)

6.736min (-0.030) 9.36ug/ml m

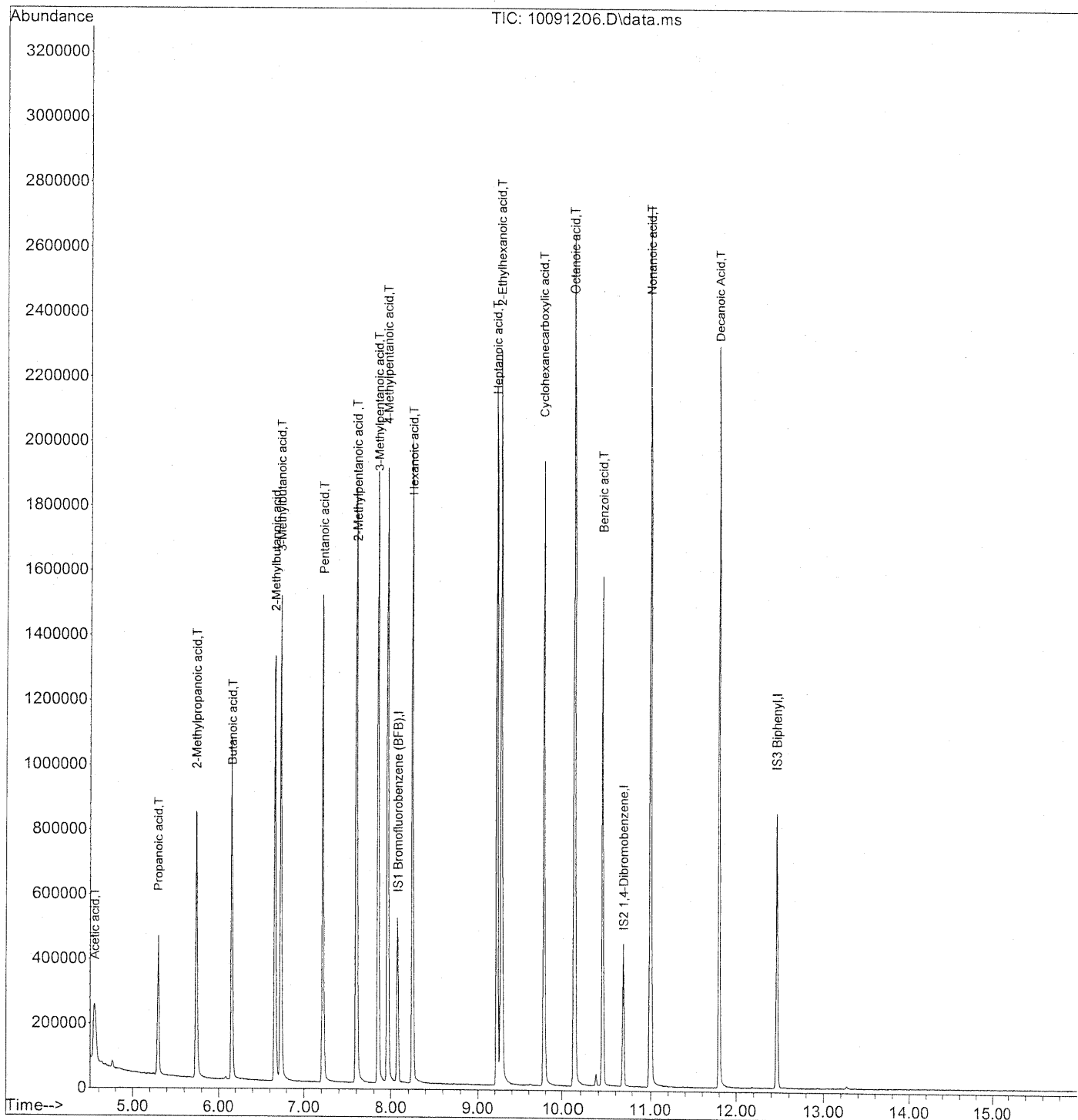
response 2126035

Ion	Exp%	Act%
74.15	100	100
59.05	35.50	35.49
85.10	28.70	28.48
0.00	0.00	0.00

MD
 10/10/12
 zu
 10/10/12

Data Path : J:\MS14\DATA\ACIDS\2012_10\09\
 Data File : 10091206.D
 Acq On : 9 Oct 2012 12:20 pm
 Operator : MD
 Sample : 25/50 ug/ml Carboxylic Acids
 Misc : S26-10051213
 ALS Vial : 6 Sample Multiplier: 1

Quant Time: Oct 09 12:57:34 2012
 Quant Method : J:\MS14\METHODS\CA100912E.M
 Quant Title : Short Chain Carboxylic Acids in Air
 QLast Update : Tue Oct 09 12:21:00 2012
 DataAcq Meth:FAME



Data Path : J:\MS14\DATA\ACIDS\2012_10\09\
 Data File : 10091206.D
 Acq On : 9 Oct 2012 12:20 pm
 Operator : MD
 Sample : 25/50 ug/ml Carboxylic Acids
 Misc : S26-10051213
 ALS Vial : 6 Sample Multiplier: 1

MD
10/10/12

Quant Time: Oct 09 12:57:34 2012
 Quant Method : J:\MS14\METHODS\CA100912E.M
 Quant Title : Short Chain Carboxylic Acids in Air
 QLast Update : Tue Oct 09 12:21:00 2012
 DataAcq Meth:FAME

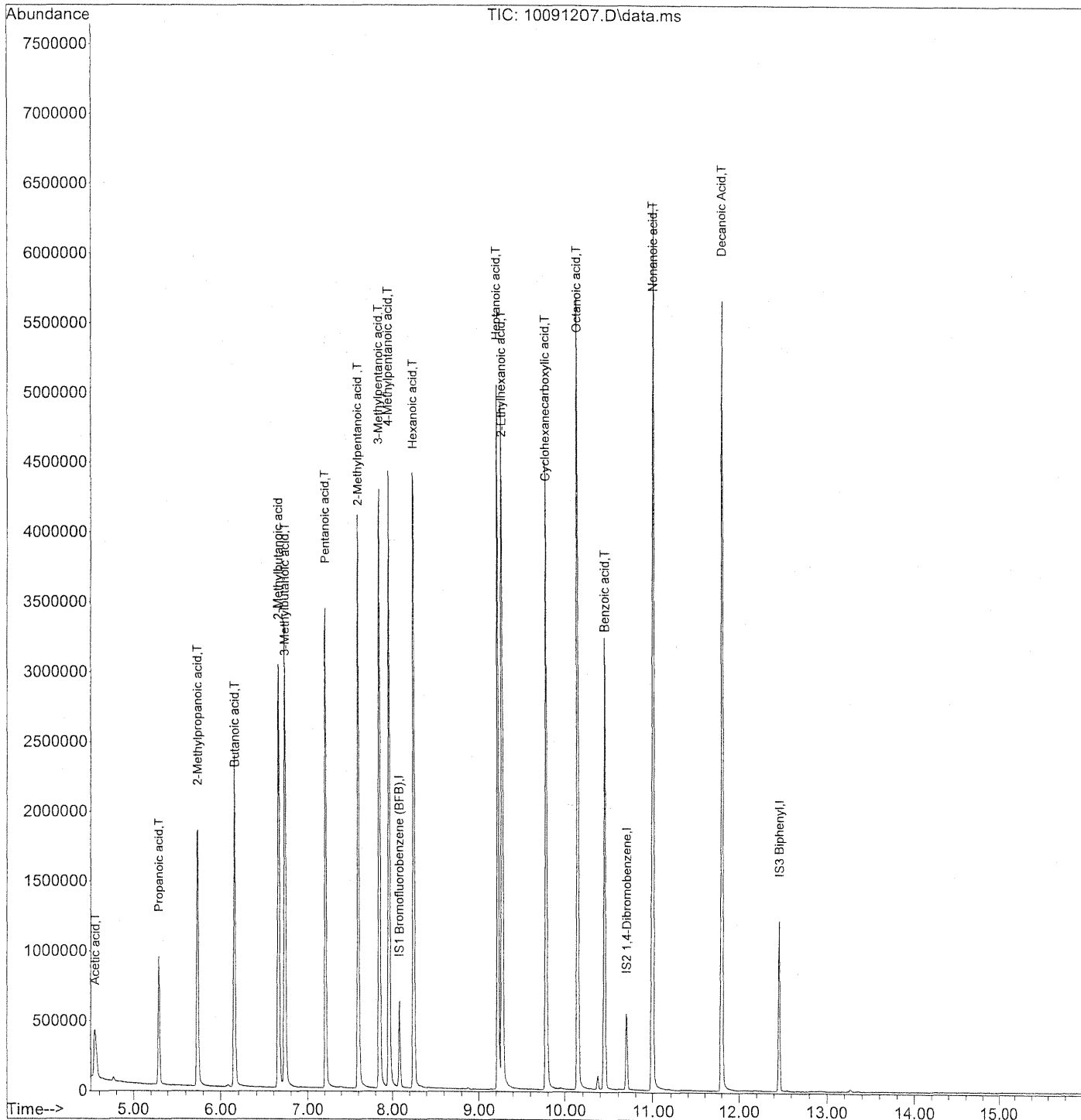
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) IS1 Bromofluorobenzene...	8.08	95	1277888	10.00	ug/ml	-0.03
13) IS2 1,4-Dibromobenzene	10.70	236	841009	10.00	ug/ml	-0.03
19) IS3 Biphenyl	12.47	154	3583219	10.00	ug/ml	-0.02

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Acetic acid	4.55	74	568664	48.07	ug/ml#	10
3) Propanoic acid	5.30	57	2165644	26.79	ug/ml	98
4) 2-Methylpropanoic acid	5.74	71	1514886	23.25	ug/ml	97
5) Butanoic acid	6.16	74	2765668	24.73	ug/ml	98
6) 2-Methylbutanoic acid	6.66	88	4091110	23.74	ug/ml	94
7) 3-Methylbutanoic acid	6.73	74	5308097	24.10	ug/ml	100
8) Pentanoic acid	7.22	74	5244471	24.42	ug/ml	96
9) 2-Methylpentanoic acid	7.60	88	7152310	24.10	ug/ml	99
10) 3-Methylpentanoic acid	7.85	74	8100090	23.37	ug/ml	98
11) 4-Methylpentanoic acid	7.97	74	4202065	24.17	ug/ml	99
12) Hexanoic acid	8.25	74	7053229	23.27	ug/ml	99
14) Heptanoic acid	9.23	74	7889376	23.91	ug/ml	97
15) 2-Ethylhexanoic acid	9.28	87	6000024	23.66	ug/ml	96
16) Cyclohexanecarboxylic ...	9.79	55	3392594	24.58	ug/ml	91
17) Octanoic acid	10.15	74	9266248	24.44	ug/ml	99
18) Benzoic acid	10.45	105	6139546	19.76	ug/ml	98
20) Nonanoic acid	11.00	74	9927327	25.02	ug/ml	97
21) Decanoic Acid	11.80	74	8067109	25.78	ug/ml	99

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : J:\MS14\DATA\ACIDS\2012_10\09\
 Data File : 10091207.D
 Acq On : 9 Oct 2012 12:41 pm
 Operator : MD
 Sample : 50/100 ug/ml Carboxylic Acids
 Misc : S26-10051212
 ALS Vial : 7 Sample Multiplier: 1

Quant Time: Oct 09 12:58:19 2012
 Quant Method : J:\MS14\METHODS\CA100912E.M
 Quant Title : Short Chain Carboxylic Acids in Air
 QLast Update : Tue Oct 09 12:58:10 2012
 DataAcq Meth:FAME



Data Path : J:\MS14\DATA\ACIDS\2012_10\09\
 Data File : 10091207.D
 Acq On : 9 Oct 2012 12:41 pm
 Operator : MD
 Sample : 50/100 ug/ml Carboxylic Acids
 Misc : S26-10051212
 ALS Vial : 7 Sample Multiplier: 1

Quant Time: Oct 09 12:58:19 2012
 Quant Method : J:\MS14\METHODS\CA100912E.M
 Quant Title : Short Chain Carboxylic Acids in Air
 QLast Update : Tue Oct 09 12:58:10 2012
 DataAcq Meth:FAME

MD
10/10/12

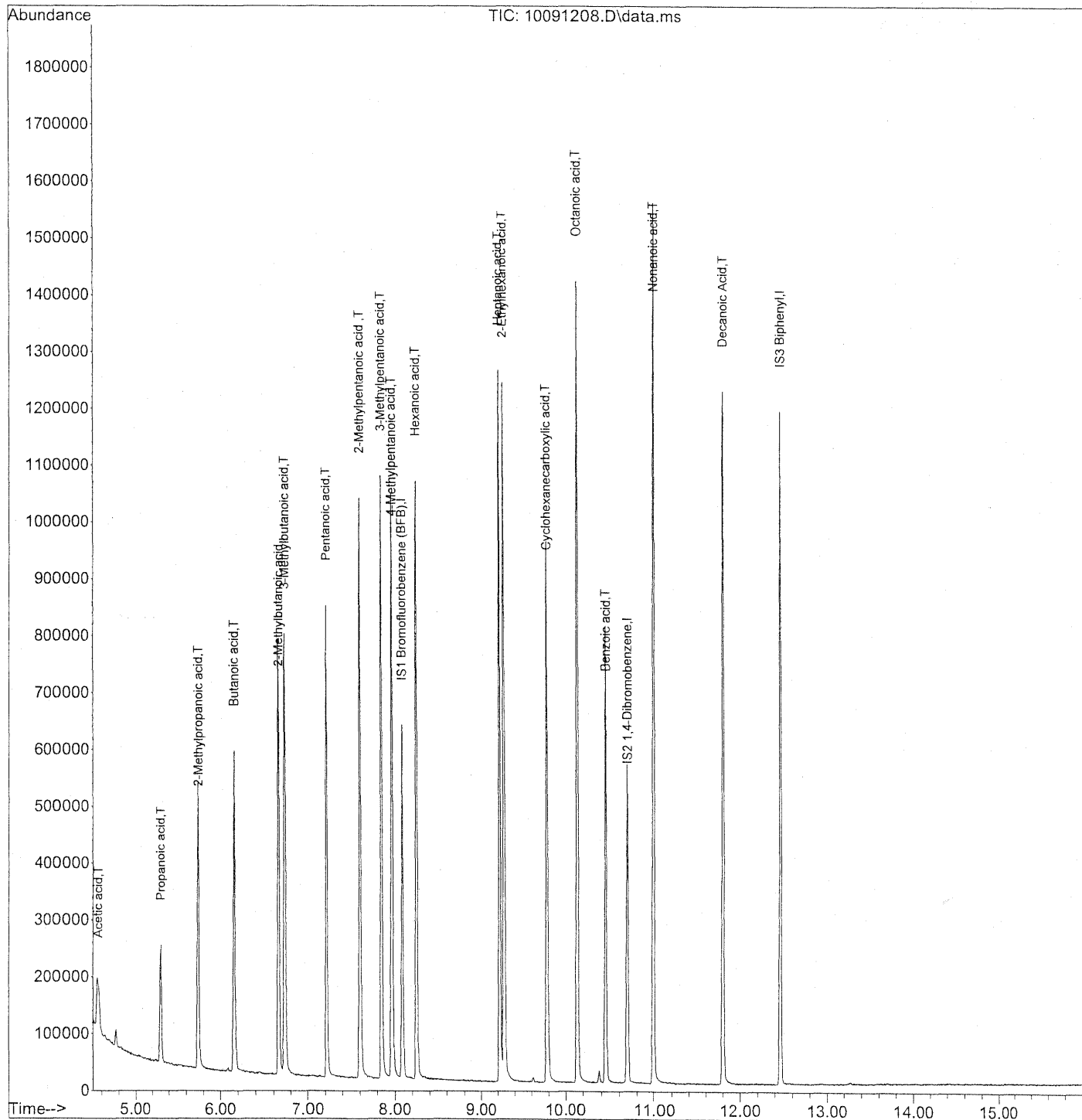
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev (Min)
1) IS1 Bromofluorobenzene...	8.08	95	1581211	10.00	ug/ml	-0.03
13) IS2 1,4-Dibromobenzene	10.70	236	1092913	10.00	ug/ml	-0.02
19) IS3 Biphenyl	12.47	154	4952786	10.00	ug/ml	-0.02

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Acetic acid	4.55	74	1151379	77.13	ug/ml#	5
3) Propanoic acid	5.29	57	4669748	46.58	ug/ml	98
4) 2-Methylpropanoic acid	5.74	71	3427272	43.55	ug/ml	98
5) Butanoic acid	6.16	74	6417697	47.39	ug/ml	99
6) 2-Methylbutanoic acid	6.66	88	9566492	47.04	ug/ml	92
7) 3-Methylbutanoic acid	6.73	74	12304728	46.97	ug/ml	100
8) Pentanoic acid	7.22	74	12390168	48.15	ug/ml	96
9) 2-Methylpentanoic acid	7.60	88	16844371	47.75	ug/ml	99
10) 3-Methylpentanoic acid	7.85	74	18892013	46.34	ug/ml	99
11) 4-Methylpentanoic acid	7.97	74	9833387	47.83	ug/ml	99
12) Hexanoic acid	8.25	74	16436114	46.27	ug/ml	99
14) Heptanoic acid	9.23	74	18507253	45.01	ug/ml	96
15) 2-Ethylhexanoic acid	9.28	87	13844484	43.85	ug/ml	97
16) Cyclohexanecarboxylic ...	9.79	55	8084623	45.87	ug/ml	88
17) Octanoic acid	10.15	74	21583699	45.45	ug/ml	100
18) Benzoic acid	10.45	105	13506017	39.26	ug/ml	98
20) Nonanoic acid	11.00	74	23263732	44.22	ug/ml	97
21) Decanoic Acid	11.81	74	19782129	48.23	ug/ml	98

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : J:\MS14\DATA\ACIDS\2012_10\09\
 Data File : 10091208.D
 Acq On : 9 Oct 2012 1:02 pm
 Operator : MD
 Sample : 10/20 ug/ml Carboxylic Acids ICV
 Misc : S26-10051216
 ALS Vial : 8 Sample Multiplier: 1

Quant Time: Oct 09 13:23:23 2012
 Quant Method : J:\MS14\METHODS\CA100912E.M
 Quant Title : Short Chain Carboxylic Acids in Air
 QLast Update : Tue Oct 09 13:00:48 2012
 DataAcq Meth:FAME



Data Path : J:\MS14\DATA\ACIDS\2012_10\09\
 Data File : 10091208.D
 Acq On : 9 Oct 2012 1:02 pm
 Operator : MD
 Sample : 10/20 ug/ml Carboxylic Acids ICV
 Misc : S26-10051216
 ALS Vial : 8 Sample Multiplier: 1

(Handwritten signature)
 10/10/12

Quant Time: Oct 09 13:23:23 2012
 Quant Method : J:\MS14\METHODS\CA100912E.M
 Quant Title : Short Chain Carboxylic Acids in Air
 QLast Update : Tue Oct 09 13:00:48 2012
 DataAcq Meth:FAME

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) IS1 Bromofluorobenzene...	8.08	95	1647334	10.00	ug/ml	-0.03
13) IS2 1,4-Dibromobenzene	10.70	236	1110687	10.00	ug/ml	-0.03
19) IS3 Biphenyl	12.47	154	4781882	10.00	ug/ml	-0.02

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Acetic acid	4.55	74	310972	22.10	ug/ml#	1
3) Propanoic acid	5.30	57	1125246	10.64	ug/ml	98
4) 2-Methylpropanoic acid	5.74	71	902388	11.14	ug/ml	96
5) Butanoic acid	6.16	74	1519714	10.72	ug/ml	97
6) 2-Methylbutanoic acid	6.66	88	2304999	11.00	ug/ml	96
7) 3-Methylbutanoic acid	6.74	74	3002661	11.05	ug/ml	100
8) Pentanoic acid	7.22	74	2827734	10.51	ug/ml	96
9) 2-Methylpentanoic acid	7.61	88	4122917	11.26	ug/ml	99
10) 3-Methylpentanoic acid	7.86	74	4592607	10.95	ug/ml	98
11) 4-Methylpentanoic acid	7.97	74	2329706	10.94	ug/ml	99
12) Hexanoic acid	8.25	74	3912525	10.71	ug/ml	98
14) Heptanoic acid	9.23	74	4623026	11.21	ug/ml	97
15) 2-Ethylhexanoic acid	9.28	87	3310690	10.45	ug/ml	95
16) Cyclohexanecarboxylic ...	9.79	55	1726308	9.53	ug/ml	88
17) Octanoic acid	10.15	74	5066199	10.55	ug/ml	98
18) Benzoic acid	10.45	105	3202116	10.24	ug/ml	97
20) Nonanoic acid	11.00	74	5570168	11.20	ug/ml	96
21) Decanoic Acid	11.80	74	4379748	11.31	ug/ml	100

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Evaluate Continuing Calibration Report

Data Path : J:\MS14\DATA\ACIDS\2012_10\09\
 Data File : 10091208.D
 Acq On : 9 Oct 2012 1:02 pm
 Operator : MD
 Sample : 10/20 ug/ml Carboxylic Acids ICV
 Misc : S26-10051216
 ALS Vial : 8 Sample Multiplier: 1

Quant Time: Oct 09 13:23:23 2012
 Quant Method : J:\MS14\METHODS\CA100912E.M
 Quant Title : Short Chain Carboxylic Acids in Air
 QLast Update : Tue Oct 09 13:00:48 2012
 DataAcq Meth:FAME

230%
MD 10/10/12

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
 Max. RRF Dev : 30% Max. Rel. Area : 200%

	Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
1 I	IS1 Bromofluorobenzene (BFB)	1.000	1.000	0.0	128	-0.03
2 T	Acetic acid	0.085	0.094	-10.6	180	-0.03
3 T	Propanoic acid	0.642	0.683	-6.4	153	-0.02
4 T	2-Methylpropanoic acid	0.492	0.548	-11.4	162	-0.02
5 T	Butanoic acid	0.860	0.923	-7.3	146	-0.03
6	2-Methylbutanoic acid	1.272	1.399	-10.0	143	-0.03
7 T	3-Methylbutanoic acid	1.649	1.823	-10.6	141	-0.03
8 T	Pentanoic acid	1.634	1.717	-5.1	136	-0.03
9 T	2-Methylpentanoic acid	2.223	2.503	-12.6	143	-0.03
10 T	3-Methylpentanoic acid	2.547	2.788	-9.5	138	-0.03
11 T	4-Methylpentanoic acid	1.293	1.414	-9.4	137	-0.03
12 T	Hexanoic acid	2.217	2.375	-7.1	136	-0.03
13 I	IS2 1,4-Dibromobenzene	1.000	1.000	0.0	130	-0.03
14 T	Heptanoic acid	3.713	4.162	-12.1	143	-0.03
15 T	2-Ethylhexanoic acid	2.852	2.981	-4.5	134	-0.03
16 T	Cyclohexanecarboxylic acid	1.630	1.554	4.7	125	-0.03
17 T	Octanoic acid	4.324	4.561	-5.5	133	-0.03
18 T	Benzoic acid	2.814	2.883	-2.5	132	-0.03
19 I	IS3 Biphenyl	1.000	1.000	0.0	129	-0.02
20 T	Nonanoic acid	1.040	1.165	-12.0	136	-0.03
21 T	Decanoic Acid	0.810	0.916	-13.1	137	-0.03

(#) = Out of Range

SPCC's out = 0 CCC's out = 0

Evaluate Continuing Calibration Report

Data Path : J:\MS14\DATA\ACIDS\2013_04\26\
 Data File : 04261301.D
 Acq On : 26 Apr 2013 9:31 am
 Operator : EI
 Sample : 25/50ug/ml Carboxylic Acids
 Misc : S26-04091305
 ALS Vial : 1 Sample Multiplier: 1

Quant Time: Apr 26 09:49:07 2013
 Quant Method : J:\MS14\METHODS\CA100912E.M
 Quant Title : Short Chain Carboxylic Acids in Air
 QLast Update : Fri Apr 05 11:12:06 2013
 Response via : Initial Calibration

4/30/13
 EC

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
 Max. RRF Dev : 30% Max. Rel. Area : 200%

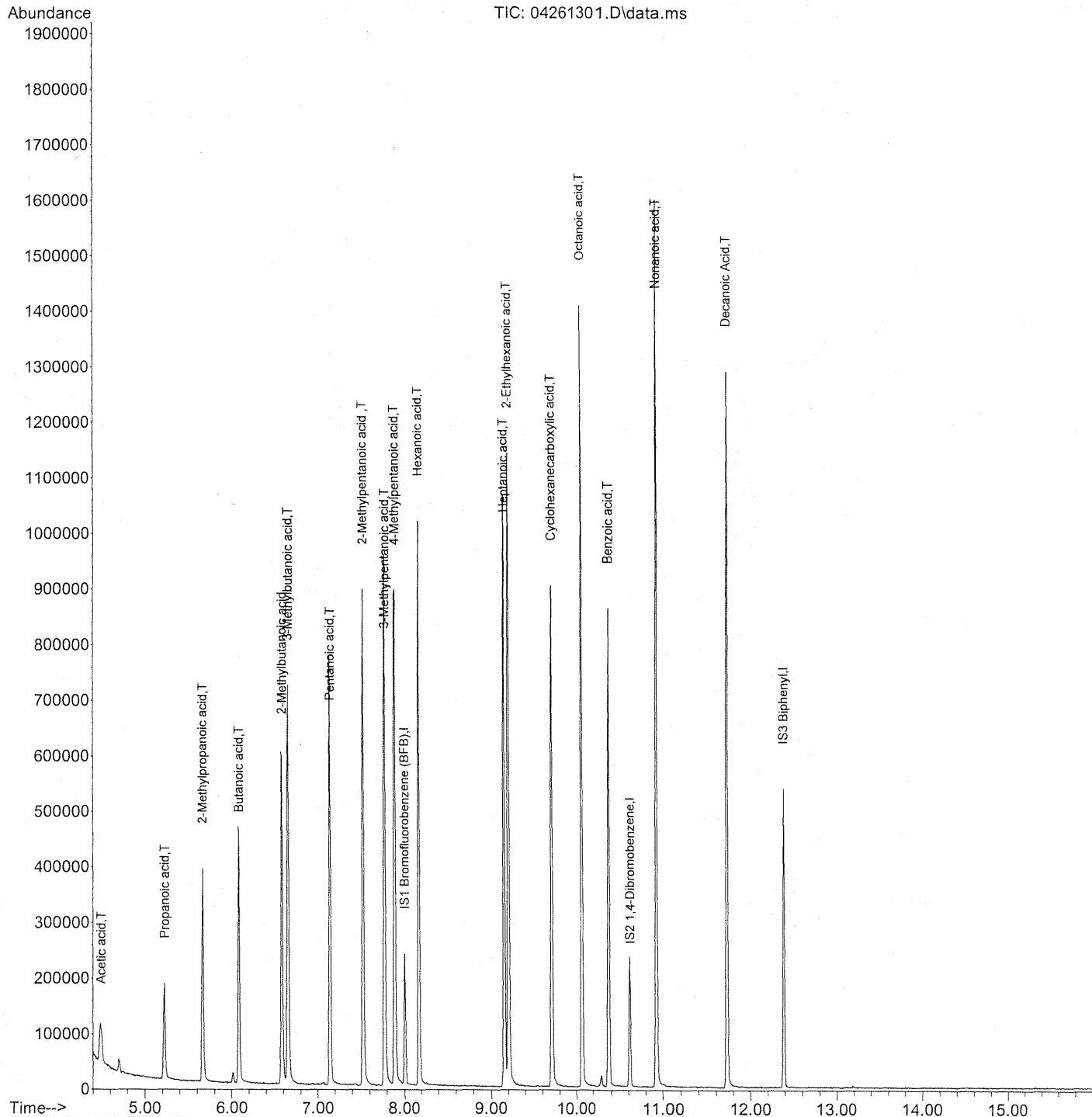
	Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
1 I	IS1 Bromofluorobenzene (BFB	1.000	1.000	0.0	45#	0.00
2 T	Acetic acid	0.085	0.079	7.1	40#	0.00
3 T	Propanoic acid	0.642	0.662	-3.1	44#	0.00
4 T	2-Methylpropanoic acid	0.492	0.520	-5.7	49#	0.00
5 T	Butanoic acid	0.860	0.899	-4.5	47#	0.00
6	2-Methylbutanoic acid	1.272	1.335	-5.0	47#	0.00
7 T	3-Methylbutanoic acid	1.649	1.906	-15.6	52	0.00
8 T	Pentanoic acid	1.634	1.837	-12.4	50	0.00
9 T	2-Methylpentanoic acid	2.223	2.477	-11.4	50#	0.00
10 T	3-Methylpentanoic acid	2.547	2.949	-15.8	52	0.00
11 T	4-Methylpentanoic acid	1.293	1.515	-17.2	52	0.00
12 T	Hexanoic acid	2.217	2.612	-17.8	53	0.00
13 I	IS2 1,4-Dibromobenzene	1.000	1.000	0.0	56	0.00
14 T	Heptanoic acid	3.713	3.443	7.3	52	0.00
15 T	2-Ethylhexanoic acid	2.852	2.607	8.6	52	0.00
16 T	Cyclohexanecarboxylic acid	1.630	1.282	21.3	45#	0.00
17 T	Octanoic acid	4.324	4.315	0.2	55	0.00
18 T	Benzoic acid	2.814	2.997	-6.5	58	0.00
19 I	IS3 Biphenyl	1.000	1.000	0.0	63	0.00
20 T	Nonanoic acid	1.040	1.031	0.9	59	0.00
21 T	Decanoic Acid	0.810	0.804	0.7	57	0.00

(#) = Out of Range

SPCC's out = 0 CCC's out = 0

Data Path : J:\MS14\DATA\ACIDS\2013_04\26\
 Data File : 04261301.D
 Acq On : 26 Apr 2013 9:31 am
 Operator : EI
 Sample : 25/50ug/ml Carboxylic Acids
 Misc : S26-04091305
 ALS Vial : 1 Sample Multiplier: 1

Quant Time: Apr 26 09:49:07 2013
 Quant Method : J:\MS14\METHODS\CA100912E.M
 Quant Title : Short Chain Carboxylic Acids in Air
 QLast Update : Fri Apr 05 11:12:06 2013
 Response via : Initial Calibration



Quantitation Report (QT Reviewed)

Data Path : J:\MS14\DATA\ACIDS\2013_04\26\
 Data File : 04261301.D
 Acq On : 26 Apr 2013 9:31 am
 Operator : EI
 Sample : 25/50ug/ml Carboxylic Acids
 Misc : S26-04091305
 ALS Vial : 1 Sample Multiplier: 1

4/29/13
 ET

Quant Time: Apr 26 09:49:07 2013
 Quant Method : J:\MS14\METHODS\CA100912E.M
 Quant Title : Short Chain Carboxylic Acids in Air
 QLast Update : Fri Apr 05 11:12:06 2013
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) IS1 Bromofluorobenzene...	8.01	95	576555	10.00	ug/ml	0.00
13) IS2 1,4-Dibromobenzene	10.62	236	474812	10.00	ug/ml	0.00
19) IS3 Biphenyl	12.39	154	2269103	10.00	ug/ml	0.00

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Acetic acid	4.49	74	228766	46.45	ug/ml#	42
3) Propanoic acid	5.23	57	954868	25.80	ug/ml	95
4) 2-Methylpropanoic acid	5.67	71	749379	26.44	ug/ml	98
5) Butanoic acid	6.09	74	1295942	26.13	ug/ml	99
6) 2-Methylbutanoic acid	6.59	88	1924527	26.24	ug/ml	96
7) 3-Methylbutanoic acid	6.66	74	2747251	28.90	ug/ml	97
8) Pentanoic acid	7.14	74	2648226	28.11	ug/ml	96
9) 2-Methylpentanoic acid	7.53	88	3570231	27.86	ug/ml	96
10) 3-Methylpentanoic acid	7.78	74	4250115	28.94	ug/ml	97
11) 4-Methylpentanoic acid	7.89	74	2183882	29.29	ug/ml	96
12) Hexanoic acid	8.17	74	3764820	29.46	ug/ml	99
14) Heptanoic acid	9.15	74	4087169	23.18	ug/ml	97
15) 2-Ethylhexanoic acid	9.21	87	3094794	22.85	ug/ml	90
16) Cyclohexanecarboxylic ...	9.71	55	1521301	19.65	ug/ml	82
17) Octanoic acid	10.07	74	5121793	24.95	ug/ml	100
18) Benzoic acid	10.38	105	3557589	26.62	ug/ml	89
20) Nonanoic acid	10.93	74	5847969	24.78	ug/ml	97
21) Decanoic Acid	11.73	74	4559929	24.81	ug/ml	100

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Evaluate Continuing Calibration Report

Data Path : J:\MS14\DATA\ACIDS\2013_04\29\
 Data File : 04291302.D
 Acq On : 29 Apr 2013 12:53 pm
 Operator : EI
 Sample : 25/50ug/ml Carboxylic Acids
 Misc : S26-04091305
 ALS Vial : 1 Sample Multiplier: 1

Quant Time: Apr 29 13:38:27 2013
 Quant Method : J:\MS14\METHODS\CA100912E.M
 Quant Title : Short Chain Carboxylic Acids in Air
 QLast Update : Fri Apr 05 11:12:06 2013
 Response via : Initial Calibration

5/1/13
 ET

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
 Max. RRF Dev : 30% Max. Rel. Area : 200%

	Compound	AvgRF	CCRF	%Dev	Area%	Dev (min)
1 I	IS1 Bromofluorobenzene (BFB	1.000	1.000	0.0	60	0.00
2 T	Acetic acid	0.085	0.078	8.2	52	0.00
3 T	Propanoic acid	0.642	0.655	-2.0	58	0.00
4 T	2-Methylpropanoic acid	0.492	0.523	-6.3	66	0.00
5 T	Butanoic acid	0.860	0.939	-9.2	65	0.00
6	2-Methylbutanoic acid	1.272	1.401	-10.1	65	0.00
7 T	3-Methylbutanoic acid	1.649	1.981	-20.1	71	0.00
8 T	Pentanoic acid	1.634	1.944	-19.0	71	0.00
9 T	2-Methylpentanoic acid	2.223	2.603	-17.1	69	0.00
10 T	3-Methylpentanoic acid	2.547	3.085	-21.1	72	0.00
11 T	4-Methylpentanoic acid	1.293	1.554	-20.2	70	0.00
12 T	Hexanoic acid	2.217	2.651	-19.6	72	0.00
13 I	IS2 1,4-Dibromobenzene	1.000	1.000	0.0	70	0.00
14 T	Heptanoic acid	3.713	3.784	-1.9	71	0.00
15 T	2-Ethylhexanoic acid	2.852	2.837	0.5	70	0.00
16 T	Cyclohexanecarboxylic acid	1.630	1.374	15.7	60	0.00
17 T	Octanoic acid	4.324	4.616	-6.8	74	0.00
18 T	Benzoic acid	2.814	3.060	-8.7	74	0.00
19 I	IS3 Biphenyl	1.000	1.000	0.0	76	0.00
20 T	Nonanoic acid	1.040	1.104	-6.2	76	0.00
21 T	Decanoic Acid	0.810	0.834	-3.0	71	0.00

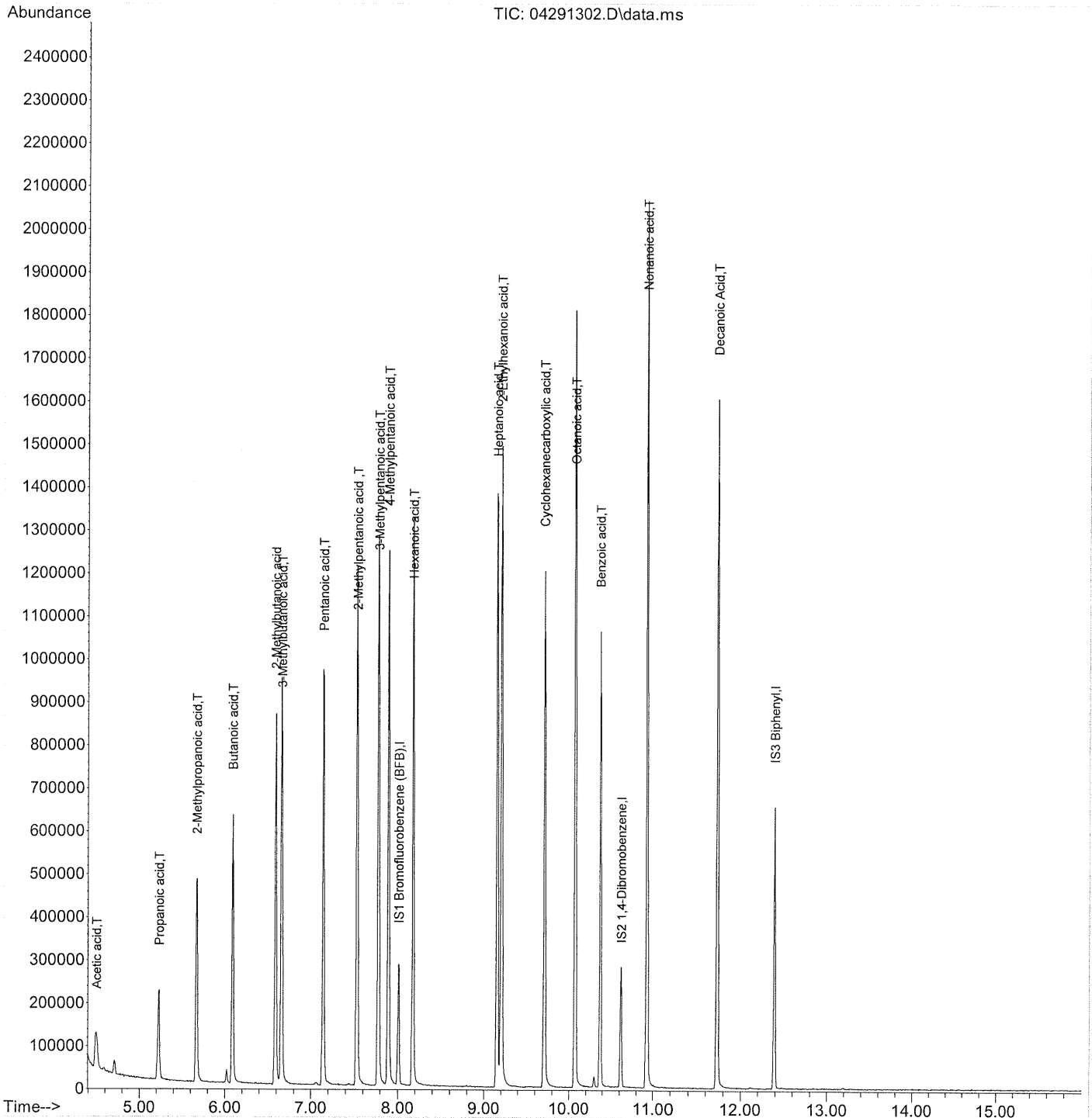
(#) = Out of Range

SPCC's out = 0 CCC's out = 0

Quantitation Report (QT Reviewed)

Data Path : J:\MS14\DATA\ACIDS\2013_04\29\
 Data File : 04291302.D
 Acq On : 29 Apr 2013 12:53 pm
 Operator : EI
 Sample : 25/50ug/ml Carboxylic Acids
 Misc : S26-04091305
 ALS Vial : 1 Sample Multiplier: 1

Quant Time: Apr 29 13:38:27 2013
 Quant Method : J:\MS14\METHODS\CA100912E.M
 Quant Title : Short Chain Carboxylic Acids in Air
 QLast Update : Fri Apr 05 11:12:06 2013
 Response via : Initial Calibration



Quantitation Report (QT Reviewed)

Data Path : J:\MS14\DATA\ACIDS\2013_04\29\
 Data File : 04291302.D
 Acq On : 29 Apr 2013 12:53 pm
 Operator : EI
 Sample : 25/50ug/ml Carboxylic Acids
 Misc : S26-04091305
 ALS Vial : 1 Sample Multiplier: 1

Quant Time: Apr 29 13:38:27 2013
 Quant Method : J:\MS14\METHODS\CA100912E.M
 Quant Title : Short Chain Carboxylic Acids in Air
 QLast Update : Fri Apr 05 11:12:06 2013
 Response via : Initial Calibration

5/1/13
 ET

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev (Min)
1) IS1 Bromofluorobenzene...	8.01	95	761080	10.00	ug/ml	0.00
13) IS2 1,4-Dibromobenzene	10.63	236	591195	10.00	ug/ml	0.00
19) IS3 Biphenyl	12.39	154	2738412	10.00	ug/ml	0.00

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Acetic acid	4.50	74	298015	45.84	ug/ml#	32
3) Propanoic acid	5.23	57	1245359	25.49	ug/ml	94
4) 2-Methylpropanoic acid	5.67	71	995580	26.61	ug/ml	99
5) Butanoic acid	6.09	74	1786803	27.29	ug/ml	99
6) 2-Methylbutanoic acid	6.59	88	2666207	27.54	ug/ml	95
7) 3-Methylbutanoic acid	6.66	74	3769469	30.04	ug/ml	96
8) Pentanoic acid	7.15	74	3699124	29.75	ug/ml	95
9) 2-Methylpentanoic acid	7.53	88	4952725	29.28	ug/ml	96
10) 3-Methylpentanoic acid	7.78	74	5869191	30.28	ug/ml	98
11) 4-Methylpentanoic acid	7.90	74	2955941	30.04	ug/ml	96
12) Hexanoic acid	8.18	74	5043820	29.89	ug/ml	97
14) Heptanoic acid	9.16	74	5593048	25.48	ug/ml	97
15) 2-Ethylhexanoic acid	9.21	87	4193186	24.87	ug/ml	92
16) Cyclohexanecarboxylic ...	9.71	55	2030957	21.07	ug/ml	81
17) Octanoic acid	10.08	74	6822587	26.69	ug/ml	99
18) Benzoic acid	10.38	105	4522627	27.18	ug/ml	89
20) Nonanoic acid	10.93	74	7559660	26.54	ug/ml	96
21) Decanoic Acid	11.73	74	5706369	25.72	ug/ml	100

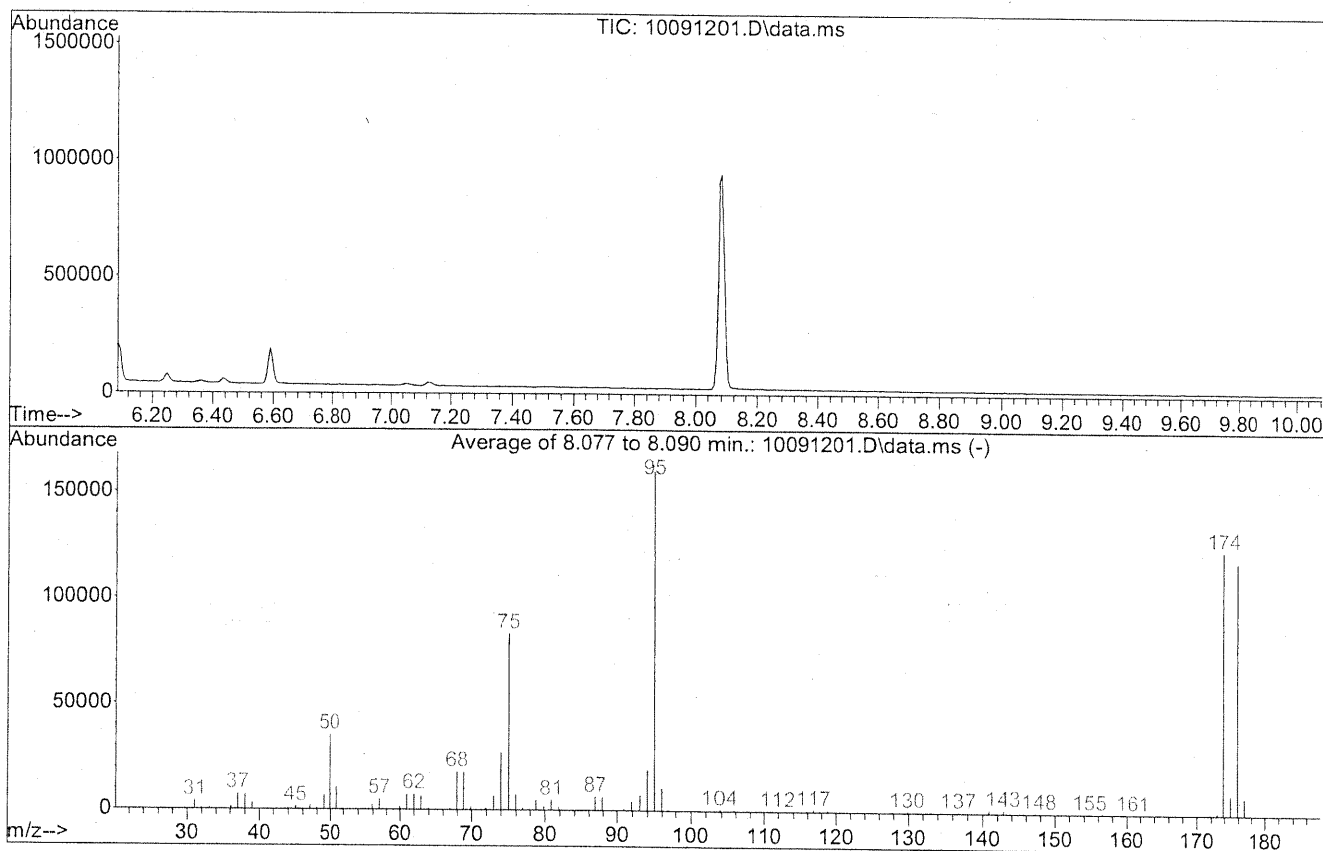
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : J:\MS14\DATA\ACIDS\2012_10\09\
 Data File : 10091201.D
 Acq On : 9 Oct 2012 10:18 am
 Operator : MD
 Sample : pentane blank
 Misc :
 ALS Vial : 1 Sample Multiplier: 1

(Handwritten signature)
 10/10/12

Integration File: events.e

Method : J:\MS14\METHODS\CA100912E.M
 Title : Short Chain Carboxylic Acids in Air
 Last Update : Tue Oct 09 13:00:48 2012



AutoFind: Scans 577, 578, 579; Background Corrected with Scan 570

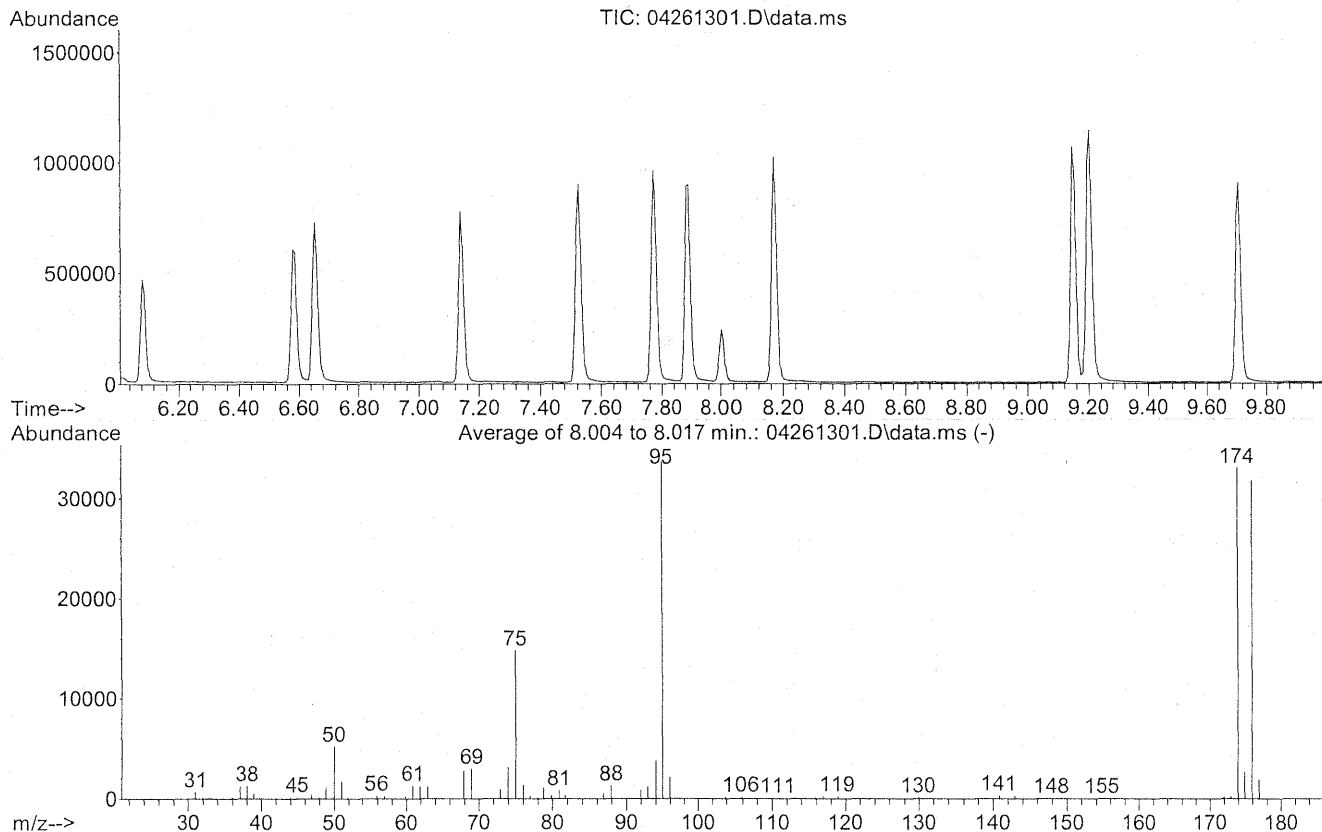
Target Mass	Rel. to Mass	Lower Limit%	Upper Limit%	Rel. Abn%	Raw Abn	Result Pass/Fail
50	95	15	40	22.1	35255	PASS
75	95	30	60	52.0	83115	PASS
95	95	100	100	100.0	159823	PASS
96	95	5	9	6.5	10376	PASS
173	174	0.00	2	0.9	1135	PASS
174	95	50	100	77.3	123595	PASS
175	174	5	9	7.3	9081	PASS
176	174	95	101	95.7	118237	PASS
177	176	5	9	6.7	7907	PASS

Data Path : J:\MS14\DATA\ACIDS\2013_04\26\
 Data File : 04261301.D
 Acq On : 26 Apr 2013 9:31 am
 Operator : EI
 Sample : 25/50ug/ml Carboxylic Acids
 Misc : S26-04091305
 ALS Vial : 1 Sample Multiplier: 1

4/26/13
 et

Integration File: events.e

Method : J:\MS14\METHODS\CA100912E.M
 Title : Short Chain Carboxylic Acids in Air
 Last Update : Fri Apr 05 11:12:06 2013



AutoFind: Scans 581, 582, 583; Background Corrected with Scan 569

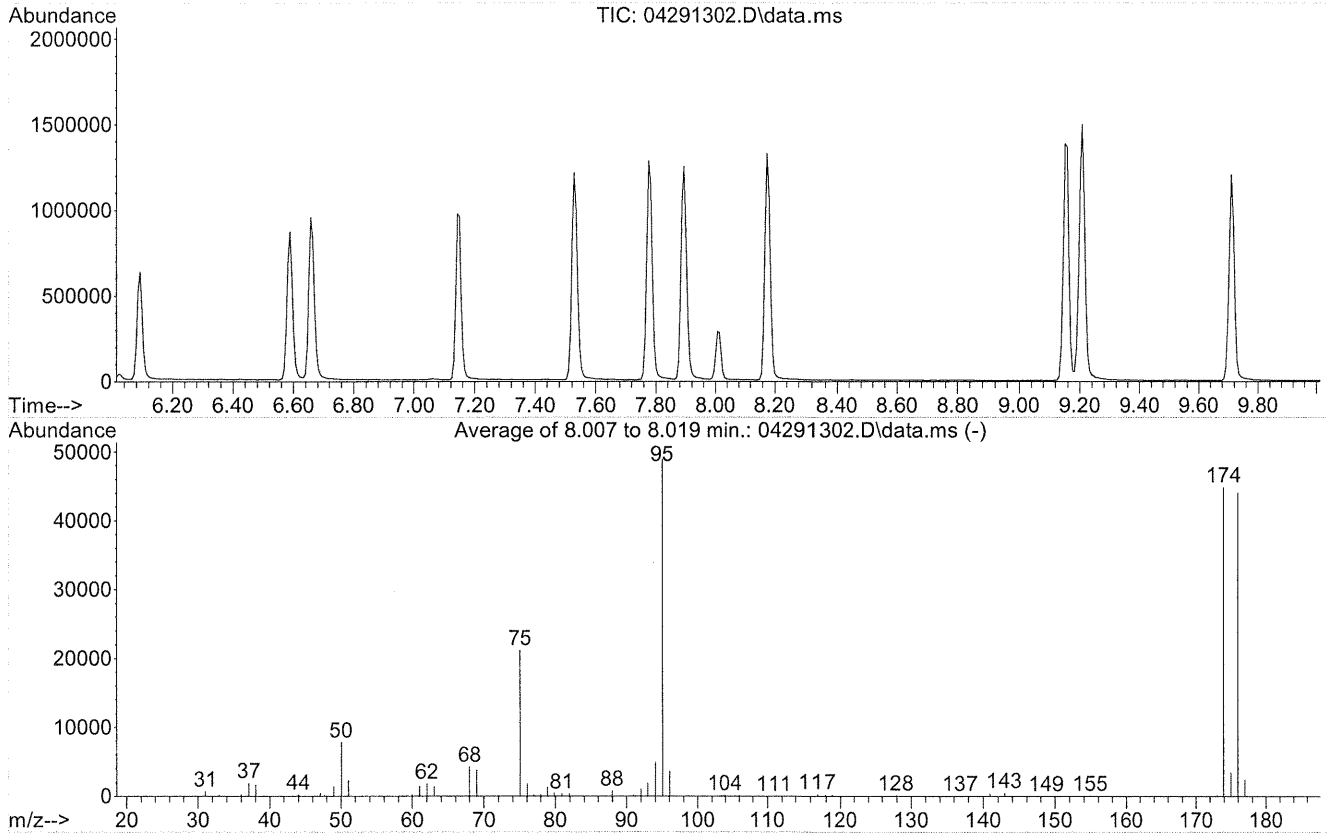
Target Mass	Rel. to Mass	Lower Limit%	Upper Limit%	Rel. Abn%	Raw Abn	Result Pass/Fail
50	95	15	40	15.4	5206	PASS
75	95	30	60	43.9	14801	PASS
95	95	100	100	100.0	33709	PASS
96	95	5	9	6.2	2099	PASS
173	174	0.00	2	0.7	240	PASS
174	95	50	100	98.1	33069	PASS
175	174	5	9	8.2	2712	PASS
176	174	95	101	96.1	31795	PASS
177	176	5	9	5.8	1842	PASS

Data Path : J:\MS14\DATA\ACIDS\2013_04\29\
 Data File : 04291302.D
 Acq On : 29 Apr 2013 12:53 pm
 Operator : EI
 Sample : 25/50ug/ml Carboxylic Acids
 Misc : S26-04091305
 ALS Vial : 1 Sample Multiplier: 1

5/1/13
 ET

Integration File: events.e

Method : J:\MS14\METHODS\CA100912E.M
 Title : Short Chain Carboxylic Acids in Air
 Last Update : Fri Apr 05 11:12:06 2013



AutoFind: Scans 582, 583, 584; Background Corrected with Scan 568

Target Mass	Rel. to Mass	Lower Limit%	Upper Limit%	Rel. Abn%	Raw Abn	Result Pass/Fail
50	95	15	40	16.0	7821	PASS
75	95	30	60	43.2	21155	PASS
95	95	100	100	100.0	48925	PASS
96	95	5	9	7.3	3592	PASS
173	174	0.00	2	0.3	141	PASS
174	95	50	100	91.6	44800	PASS
175	174	5	9	7.7	3431	PASS
176	174	95	101	98.3	44040	PASS
177	176	5	9	5.4	2374	PASS

Injection Log

Directory: J:\MS14\DATA\Acids\2012_10\09

Line	Vial	FileName	Multiplier	SampleName	Misc Info	Injected
1	1	10091201.d	1.	pentane blank		9 Oct 2012 10:18
2	2	10091202.d	1.	0.25/0.5 ug/ml Carboxylic A...	S26-10081203	9 Oct 2012 10:55
3	3	10091203.d	1.	1/2 ug/ml Carboxylic Acids	S26-10081202	9 Oct 2012 11:16
4	4	10091204.d	1.	5/10 ug/ml Carboxylic Acids	S26-10051214	9 Oct 2012 11:37
5	5	10091205.d	1.	10/20 ug/ml Carboxylic Acids	S26-10081201	9 Oct 2012 11:58
6	6	10091206.d	1.	25/50 ug/ml Carboxylic Acids	S26-10051213	9 Oct 2012 12:20
7	7	10091207.d	1.	50/100 ug/ml Carboxylic Acids	S26-10051212	9 Oct 2012 12:41
8	8	10091208.d	1.	10/20 ug/ml Carboxylic Acid...	S26-10051216	9 Oct 2012 13:02
9	10	10091209.d	1.	5/10 ug/ml Carboxylic Acids	prep by EI	9 Oct 2012 13:23
10	1	10091210.d	1.	pentane blank		9 Oct 2012 14:42
11	2	10091211.d	1.	SS 10/20ug/ml		9 Oct 2012 15:19
12	3	10091212.d	1.	LCS 10/20ug/ml		9 Oct 2012 15:40
13	4	10091213.d	1.	LCSD 10/20ug/ml		9 Oct 2012 16:01
14	5	10091214.d	1.	MB 1.0ml		9 Oct 2012 16:22
15	6	10091215.d	1.	P1203868-001 Back 1.0ml		9 Oct 2012 16:43
16	7	10091216.d	1.	P1203868-002 Back 1.0ml		9 Oct 2012 17:05
17	8	10091217.d	1.	P1203868-003 Back 1.0ml		9 Oct 2012 17:26
18	9	10091218.d	1.	P1203868-004 Back 1.0ml		9 Oct 2012 17:47
19	10	10091219.d	1.	Chamber Blank Back 1.0ml		9 Oct 2012 18:08
20	11	10091220.d	1.	P1203868-001 Front 1.0ml		9 Oct 2012 18:29
21	12	10091221.d	1.	P1203868-002 Front 1.0ml		9 Oct 2012 18:50
22	13	10091222.d	1.	P1203868-003 Front 1.0ml		9 Oct 2012 19:11
23	14	10091223.d	1.	P1203868-004 Front 1.0ml		9 Oct 2012 19:32
24	15	10091224.d	1.	Chamber Blank Front 1.0ml		9 Oct 2012 19:53

Injection Log

Directory: J:\MS14\DATA\ACIDS\2013_04\26

Line	Vial	FileName	Multiplier	SampleName	Misc Info	Injected
1	1	04261301.d	1.	25/50ug/ml Carboxylic Acids	S26-04091305	26 Apr 2013 09:31
2	2	04261302.d	1.	Pentane Blank		26 Apr 2013 09:51
3	3	04261303.d	1.	0.25/0.5ug/ml MRL ck std. C...	S26-04091308	26 Apr 2013 10:12
4	4	04261304.d	1.	1/2ug/ml MRL ck std. Carbox...	S26-04091307	26 Apr 2013 10:33
5	5	04261305.d	1.	SS 10/20ug/ml		26 Apr 2013 11:01
6	6	04261306.d	1.	LCS 10/20ug/ml		26 Apr 2013 11:21
7	7	04261307.d	1.	LCSD 10/20ug/ml		26 Apr 2013 11:42
8	8	04261308.d	1.	MB 1.0ml		26 Apr 2013 12:02
9	9	04261309.d	1.	P1301631-007 Back 1.0ml		26 Apr 2013 13:08
10	10	04261310.d	1.	P1301631-009 Back 1.0ml		26 Apr 2013 13:29
11	11	04261311.d	1.	P1301631-017 Back 1.0ml		26 Apr 2013 13:50
12	12	04261312.d	1.	P1301631-031 Back 1.0ml		26 Apr 2013 14:10
13	13	04261313.d	1.	P1301631-039 Back 1.0ml		26 Apr 2013 14:31
14	14	04261314.d	1.	P1301631-009 Back 1.0ml 10x		26 Apr 2013 14:51
15	15	04261315.d	1.	P1301631-017 Back 1.0ml 10x		26 Apr 2013 15:12
16	16	04261316.d	1.	P1301631-031 Back 1.0ml 10x		26 Apr 2013 15:33
17	18	04261317.d	1.	P1301631-009 Front 1.0ml		26 Apr 2013 15:54
18	17	04261318.d	1.	P1301631-007 Front 1.0ml		26 Apr 2013 16:14
19	21	04261319.d	1.	P1301631-039 Front 1.0ml		26 Apr 2013 16:35
20	19	04261320.d	1.	P1301631-017 Front 1.0ml	4/29/13	26 Apr 2013 16:56
21	20	04261321.d	1.	P1301631-031 Front 1.0ml	ET	26 Apr 2013 17:17
22	2	04261322.d	1.	Pentane Blank		26 Apr 2013 17:37
23	22	04261323.d	1.	P1301655-001 Back 1.0ml		26 Apr 2013 17:58
24	23	04261324.d	1.	P1301655-002 Back 1.0ml		26 Apr 2013 18:19
25	24	04261325.d	1.	P1301655-003 Back 1.0ml		26 Apr 2013 18:39
26	25	04261326.d	1.	P1301655-004 Back 1.0ml		26 Apr 2013 19:00
27	26	04261327.d	1.	P1301655-005 Back 1.0ml		26 Apr 2013 19:21
28	27	04261328.d	1.	P1301655-001 Front 1.0ml		26 Apr 2013 19:41
29	28	04261329.d	1.	P1301655-002 Front 1.0ml		26 Apr 2013 20:02
30	29	04261330.d	1.	P1301655-003 Front 1.0ml		26 Apr 2013 20:23
31	30	04261331.d	1.	P1301655-004 Front 1.0ml		26 Apr 2013 20:43
32	31	04261332.d	1.	P1301655-005 Front 1.0ml		26 Apr 2013 21:04
33	32	04261333.d	1.	P1301631-009 Front 1.0ml 10x		26 Apr 2013 21:25
34	33	04261334.d	1.	P1301631-009 Front 1.0ml 20x	not used	26 Apr 2013 21:45
35	34	04261335.d	1.	P1301631-017 Front 1.0ml 10x		26 Apr 2013 22:06
36	35	04261336.d	1.	P1301631-031 Front 1.0ml 10x		26 Apr 2013 22:26
37	36	04261337.d	1.	P1301631-031 Front 1.0ml 20x	not used	26 Apr 2013 22:47
38	37	04261338.d	1.	P1301631-017 Bacl 1.0ml 10x	↓	26 Apr 2013 23:08

Injection Log

Directory: J:\MS14\DATA\ACIDS\2013_04\29

Line	Vial	FileName	Multiplier	SampleName	Misc Info	Injected
1	1	04291301.d	1.	25/50ug/ml Carboxylic Acids	S26-04091305	29 Apr 2013 12:32
2	1	04291302.d	1.	25/50ug/ml Carboxylic Acids	S26-04091305	29 Apr 2013 12:53
3	2	04291303.d	1.	Pentane Blank		29 Apr 2013 13:13
4	3	04291304.d	1.	0.25/0.5ug/ml MRL ck std	S26-04091308	29 Apr 2013 13:40
5	4	04291305.d	1.	1/2ug/ml MRL ck std	S26-04091307	29 Apr 2013 14:01
6	5	04291306.d	1.	P1301655-002 Back 1.0ml 10x		29 Apr 2013 14:44
7	6	04291307.d	1.	P1301655-003 Back 1.0ml 10x		29 Apr 2013 15:04
8	7	04291308.d	1.	P1301655-004 Back 1.0ml 10x		29 Apr 2013 15:25
9	8	04291309.d	1.	P1301655-002 Front 1.0ml 10x		29 Apr 2013 15:46
10	9	04291310.d	1.	P1301655-003 Front 1.0ml 10x		29 Apr 2013 16:06
11	10	04291311.d	1.	P1301655-004 Front 1.0ml 10x	not used	29 Apr 2013 16:27
12	11	04291312.d	1.	P1301655-003 Front 1.0ml 20x		29 Apr 2013 16:48
13	12	04291313.d	1.	P1301655-004 Front 1.0ml 10x		29 Apr 2013 17:32
14	4	04291314.d	1.	P1301631-017 Back 1.0ml 10x		30 Apr 2013 08:24

4/30/13
ET