

LABORATORY REPORT

June 24, 2013

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

RE: Landfill / 130650

Dear Eric:

Enclosed are the results of the samples submitted to our laboratory on June 4, 2013. For your reference, these analyses have been assigned our service request number P1302340.

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 Sue Anderson at 2:42 pm, Jun 24, 2013

For Kate Aguilera
Project Manager

Client: Atmospheric Analysis & Consulting, Inc.
Project: Landfill / 130650

Service Request No: P1302340

CASE NARRATIVE

The samples were received intact under chain of custody on June 4, 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, DoD-ELAP, or AIHA-LAP 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	CA015272012-2
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.		

ALS ENVIRONMENTAL

DETAIL SUMMARY REPORT

Client: Atmospheric Analysis & Consulting, Inc.
Project ID: Landfill / 130650

Service Request: P1302340

Date Received: 6/4/2013
Time Received: 09:20

Client Sample ID	Lab Code	Matrix	Date Collected	Time Collected	Carbox Acids - Carboxy Acids
130650-63202 BZ-1	P1302340-001	Air	5/29/2013	00:00	X
130650-63211 BZ-2	P1302340-002	Air	5/29/2013	00:00	X
130650-63220 U-1	P1302340-003	Air	5/29/2013	00:00	X
130650-63229 U-2	P1302340-004	Air	5/29/2013	00:00	X
130650-63238 D-1	P1302340-005	Air	5/29/2013	00:00	X
130650-63247 D-2	P1302340-006	Air	5/29/2013	00:00	X
130650-63255 Trip Blank	P1302340-007	Air	5/29/2013	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@aacclab.com

AAC Project No.

130650

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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

Terms are pay when paid

CHAIN OF CUSTODY / ANALYSIS REQUEST FORM

P1302340

Client Name AAC, Inc.		Project Name Landfill		Analysis Requested				Send Report:	
Project Mgr (Print Name) Eric Grosjean		Project Number 130650		Hold for Backup		Sample Volume, Liters		Attn: Eric Grosjean	
Sampler's Name (Print Name)		Sampler's Signature		Type/No. of containers		Volatile Fatty Acids		Phone #: 805-650-1642	
AAC Sample No.	Date Sampled	Time Sampled	Sample Type	Client Sample ID/Description	Type/No. of containers	Volatile Fatty Acids	Hold for Backup	Sample Volume, Liters	Fax #: 805-650-1644
130650-63202	05/29/13		Tube	BZ-1	Tube	1 X			Send Invoice to:
130650-63211	05/29/13		Tube	BZ-2	Tube	1 X			Attn: Eric Grosjean
130650-63220	05/29/13		Tube	U-1	Tube	1 X			egrosjean@aacclab.com
130650-63229	05/29/13		Tube	U-2	Tube	1 X			P.O. # NA
130650-63238	05/29/13		Tube	D-1	Tube	1 X			Turn Around Time
130650-63247	05/29/13		Tube	D-2	Tube	1 X			24-Hr 48-Hr
130650-63255	05/29/13		Tube	Trip Blank	Tube	1 X			5 day Normal X
									Other (Specify)
									Special Instructions / remarks:
									Please provide Level IV Data Package
									Please report in pbv and ug/m ³ and email Excel spreadsheet
Relinquished by (Signature)		Print name: Eric Grosjean		Date/Time 06/03/13 03:45		Received by (Signature)		Print Name	
Relinquished by (Signature)		Print name:		Date/Time		Received by (Signature)		Print Name	

Date: 04Jun13
Wgt: 6.70 LBS

SHIPPING: 23.49
SPECIAL: 2.82
HANDLING: 0.00
TOTAL: 26.31

Ref: AAC
Dep:

DV: 0.00
PRIORITY OVERNIGHT

For samples sent to
ALS-SLC

ALS Environmental
Sample Acceptance Check Form

Client: Atmospheric Analysis & Consulting, Inc.

Work order: P1302340

Project: Landfill / 130650

Sample(s) received on: 6/4/13

Date opened: 6/4/13

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.

	<u>Yes</u>	<u>No</u>	<u>N/A</u>
1 Were sample containers properly marked with client sample ID?	☒	☐	☐
2 Container(s) supplied by ALS ?	☐	☒	☐
3 Did sample containers arrive in good condition?	☒	☐	☐
4 Were chain-of-custody papers used and filled out?	☒	☐	☐
5 Did sample container labels and/or tags agree with custody papers?	☒	☐	☐
6 Was sample volume received adequate for analysis?	☒	☐	☐
7 Are samples within specified holding times?	☒	☐	☐
8 Was proper temperature (thermal preservation) of cooler at receipt adhered to?	☒	☐	☐
Cooler Temperature: 5° C Blank Temperature: ° C			
			Gel Packs
9 Was a trip blank received?	☐	☐	☐
10 Were custody seals on outside of cooler/Box?	☐	☐	☐
Location of seal(s)? _____			Sealing Lid?
Were signature and date included?	☐	☐	☐
Were seals intact?	☐	☐	☐
Were custody seals on outside of sample container?	☐	☐	☐
Location of seal(s)? _____			Sealing Lid?
Were signature and date included?	☐	☐	☐
Were seals intact?	☐	☐	☐
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?	☐	☐	☐
12 Tubes: Are the tubes capped and intact?	☐	☐	☐
Do they contain moisture?	☐	☐	☐
13 Badges: Are the badges properly capped and intact?	☐	☐	☐
Are dual bed badges separated and individually capped and intact?	☐	☐	☐

Lab Sample ID	Container Description	Required pH *	Received pH	Adjusted pH	VOA Headspace (Presence/Absence)	Receipt / Preservation Comments
P1302340-001.01	Silica Gel (C. Acids)					
P1302340-002.01	Silica Gel (C. Acids)					
P1302340-003.01	Silica Gel (C. Acids)					
P1302340-004.01	Silica Gel (C. Acids)					
P1302340-005.01	Silica Gel (C. Acids)					
P1302340-006.01	Silica Gel (C. Acids)					
P1302340-007.01	Silica Gel (C. Acids)					

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

Chain of Custody is missing sampler's signature _____

Chain of Custody is missing time collected _____

Chain of Custody is missing sample volume(s) _____

RSK - MEEPP, HCL (pH<2); RSK - CO₂, (pH 5-8); Sulfur (pH>4)

ALS ENVIRONMENTAL

RESULTS OF ANALYSIS

Page 1 of 1

Client: Atmospheric Analysis & Consulting, Inc.

Client Sample ID: 130650-63202 BZ-1

Client Project ID: Landfill / 130650

ALS Project ID: P1302340

ALS Sample ID: P1302340-001

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: 5/29/13

Date Received: 6/4/13

Date Analyzed: 6/14/13

Desorption Volume: 1.0 ml

Volume Sampled: 102 Liter(s)

CAS #	Compound	Result µg/Tube	Result µg/m³	MRL µg/m³	Result ppbV	MRL ppbV	Data Qualifier
64-19-7	Acetic Acid	< 2.0	ND	19	ND	7.9	
79-09-4	Propionic Acid (Propanoic)	< 0.24	ND	2.4	ND	0.79	
79-31-2	2-Methylpropanoic Acid (Isobutyric)	< 0.25	ND	2.4	ND	0.67	
107-92-6	Butanoic Acid (Butyric)	< 0.24	ND	2.4	ND	0.66	
116-53-0	2-Methylbutanoic Acid	< 0.24	ND	2.4	ND	0.57	
503-74-2	3-Methylbutanoic Acid (Isovaleric)	< 0.25	ND	2.4	ND	0.58	
109-52-4	Pentanoic Acid (Valeric)	< 0.25	ND	2.4	ND	0.58	
97-61-0	2-Methylpentanoic Acid	< 0.24	ND	2.4	ND	0.50	
105-43-1	3-Methylpentanoic Acid	< 0.25	ND	2.4	ND	0.51	
646-07-1	4-Methylpentanoic Acid (Isocaproic)	< 0.24	ND	2.4	ND	0.50	
142-62-1	Hexanoic Acid (Caproic)	< 0.25	ND	2.4	ND	0.51	
111-14-8	Heptanoic Acid (Enanthoic)	< 0.24	ND	2.4	ND	0.45	
149-57-5	2-Ethylhexanoic Acid	< 0.25	ND	2.4	ND	0.41	
98-89-5	Cyclohexanecarboxylic Acid	< 0.24	ND	2.4	ND	0.45	
124-07-2	Octanoic Acid (Caprylic)	< 0.24	ND	2.4	ND	0.40	
65-85-0	Benzoic Acid	< 0.26	ND	2.5	ND	0.50	
112-05-0	Nonanoic Acid (Pelargonic)	< 0.25	ND	2.4	ND	0.38	

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.

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DE = Results reported are corrected for desorption efficiency.

ALS ENVIRONMENTAL

RESULTS OF ANALYSIS

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Client: Atmospheric Analysis & Consulting, Inc.

Client Sample ID: 130650-63211 BZ-2

Client Project ID: Landfill / 130650

ALS Project ID: P1302340

ALS Sample ID: P1302340-002

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: 5/29/13

Date Received: 6/4/13

Date Analyzed: 6/14/13

Desorption Volume: 1.0 ml

Volume Sampled: 106 Liter(s)

CAS #	Compound	Result µg/Tube	Result µg/m³	MRL µg/m³	Result ppbV	MRL ppbV	Data Qualifier
64-19-7	Acetic Acid	< 2.0	ND	19	ND	7.6	
79-09-4	Propionic Acid (Propanoic)	0.59	5.6	2.3	1.8	0.76	
79-31-2	2-Methylpropanoic Acid (Isobutyric)	0.26	2.4	2.3	0.68	0.64	
107-92-6	Butanoic Acid (Butyric)	1.5	14	2.3	4.0	0.64	
116-53-0	2-Methylbutanoic Acid	< 0.24	ND	2.3	ND	0.55	
503-74-2	3-Methylbutanoic Acid (Isovaleric)	< 0.25	ND	2.3	ND	0.55	
109-52-4	Pentanoic Acid (Valeric)	0.27	2.6	2.3	0.62	0.56	
97-61-0	2-Methylpentanoic Acid	< 0.24	ND	2.3	ND	0.48	
105-43-1	3-Methylpentanoic Acid	< 0.25	ND	2.3	ND	0.49	
646-07-1	4-Methylpentanoic Acid (Isocaproic)	< 0.24	ND	2.3	ND	0.48	
142-62-1	Hexanoic Acid (Caproic)	0.50	4.7	2.3	1.0	0.49	
111-14-8	Heptanoic Acid (Enanthoic)	< 0.24	ND	2.3	ND	0.43	
149-57-5	2-Ethylhexanoic Acid	< 0.25	ND	2.3	ND	0.39	
98-89-5	Cyclohexanecarboxylic Acid	< 0.24	ND	2.3	ND	0.44	
124-07-2	Octanoic Acid (Caprylic)	< 0.24	ND	2.3	ND	0.38	
65-85-0	Benzoic Acid	< 0.26	ND	2.4	ND	0.48	
112-05-0	Nonanoic Acid (Pelargonic)	< 0.25	ND	2.3	ND	0.36	

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

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ALS ENVIRONMENTAL

RESULTS OF ANALYSIS

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Client: Atmospheric Analysis & Consulting, Inc.

Client Sample ID: 130650-63220 U-1

Client Project ID: Landfill / 130650

ALS Project ID: P1302340

ALS Sample ID: P1302340-003

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: 5/29/13

Date Received: 6/4/13

Date Analyzed: 6/14/13

Desorption Volume: 1.0 ml

Volume Sampled: 119 Liter(s)

CAS #	Compound	Result µg/Tube	Result µg/m³	MRL µg/m³	Result ppbV	MRL ppbV	Data Qualifier
64-19-7	Acetic Acid	< 2.0	ND	17	ND	6.8	
79-09-4	Propionic Acid (Propanoic)	< 0.24	ND	2.0	ND	0.67	
79-31-2	2-Methylpropanoic Acid (Isobutyric)	< 0.25	ND	2.1	ND	0.57	
107-92-6	Butanoic Acid (Butyric)	< 0.24	ND	2.0	ND	0.57	
116-53-0	2-Methylbutanoic Acid	< 0.24	ND	2.0	ND	0.49	
503-74-2	3-Methylbutanoic Acid (Isovaleric)	< 0.25	ND	2.1	ND	0.49	
109-52-4	Pentanoic Acid (Valeric)	< 0.25	ND	2.1	ND	0.50	
97-61-0	2-Methylpentanoic Acid	< 0.24	ND	2.0	ND	0.43	
105-43-1	3-Methylpentanoic Acid	< 0.25	ND	2.1	ND	0.44	
646-07-1	4-Methylpentanoic Acid (Isocaproic)	< 0.24	ND	2.0	ND	0.43	
142-62-1	Hexanoic Acid (Caproic)	< 0.25	ND	2.1	ND	0.44	
111-14-8	Heptanoic Acid (Enanthoic)	< 0.24	ND	2.0	ND	0.38	
149-57-5	2-Ethylhexanoic Acid	< 0.25	ND	2.1	ND	0.35	
98-89-5	Cyclohexanecarboxylic Acid	< 0.24	ND	2.0	ND	0.39	
124-07-2	Octanoic Acid (Caprylic)	< 0.24	ND	2.0	ND	0.34	
65-85-0	Benzoic Acid	< 0.26	ND	2.1	ND	0.43	
112-05-0	Nonanoic Acid (Pelargonic)	< 0.25	ND	2.1	ND	0.32	

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ALS ENVIRONMENTAL

RESULTS OF ANALYSIS

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Client: Atmospheric Analysis & Consulting, Inc.
Client Sample ID: 130650-63229 U-2
Client Project ID: Landfill / 130650

ALS Project ID: P1302340
 ALS Sample ID: P1302340-004

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: 5/29/13
Date Received: 6/4/13
Date Analyzed: 6/14/13
Desorption Volume: 1.0 ml
Volume Sampled: 97.5 Liter(s)

CAS #	Compound	Result µg/Tube	Result µg/m³	MRL µg/m³	Result ppbV	MRL ppbV	Data Qualifier
64-19-7	Acetic Acid	< 2.0	ND	20	ND	8.3	
79-09-4	Propionic Acid (Propanoic)	< 0.24	ND	2.5	ND	0.82	
79-31-2	2-Methylpropanoic Acid (Isobutyric)	< 0.25	ND	2.5	ND	0.70	
107-92-6	Butanoic Acid (Butyric)	< 0.24	ND	2.5	ND	0.69	
116-53-0	2-Methylbutanoic Acid	< 0.24	ND	2.5	ND	0.60	
503-74-2	3-Methylbutanoic Acid (Isovaleric)	< 0.25	ND	2.5	ND	0.60	
109-52-4	Pentanoic Acid (Valeric)	< 0.25	ND	2.5	ND	0.61	
97-61-0	2-Methylpentanoic Acid	< 0.24	ND	2.5	ND	0.52	
105-43-1	3-Methylpentanoic Acid	< 0.25	ND	2.5	ND	0.53	
646-07-1	4-Methylpentanoic Acid (Isocaproic)	< 0.24	ND	2.5	ND	0.52	
142-62-1	Hexanoic Acid (Caproic)	< 0.25	ND	2.5	ND	0.53	
111-14-8	Heptanoic Acid (Enanthoic)	< 0.24	ND	2.5	ND	0.47	
149-57-5	2-Ethylhexanoic Acid	< 0.25	ND	2.5	ND	0.43	
98-89-5	Cyclohexanecarboxylic Acid	< 0.24	ND	2.5	ND	0.48	
124-07-2	Octanoic Acid (Caprylic)	< 0.24	ND	2.5	ND	0.42	
65-85-0	Benzoic Acid	< 0.26	ND	2.6	ND	0.52	
112-05-0	Nonanoic Acid (Pelargonic)	< 0.25	ND	2.5	ND	0.39	

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ALS ENVIRONMENTAL

RESULTS OF ANALYSIS

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Client: Atmospheric Analysis & Consulting, Inc.
Client Sample ID: 130650-63238 D-1
Client Project ID: Landfill / 130650

ALS Project ID: P1302340
 ALS Sample ID: P1302340-005

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: 5/29/13
Date Received: 6/4/13
Date Analyzed: 6/14/13
Desorption Volume: 1.0 ml
Volume Sampled: 116 Liter(s)

CAS #	Compound	Result µg/Tube	Result µg/m³	MRL µg/m³	Result ppbV	MRL ppbV	Data Qualifier
64-19-7	Acetic Acid	< 2.0	ND	17	ND	7.0	
79-09-4	Propionic Acid (Propanoic)	< 0.24	ND	2.1	ND	0.69	
79-31-2	2-Methylpropanoic Acid (Isobutyric)	< 0.25	ND	2.1	ND	0.59	
107-92-6	Butanoic Acid (Butyric)	< 0.24	ND	2.1	ND	0.58	
116-53-0	2-Methylbutanoic Acid	< 0.24	ND	2.1	ND	0.50	
503-74-2	3-Methylbutanoic Acid (Isovaleric)	< 0.25	ND	2.1	ND	0.51	
109-52-4	Pentanoic Acid (Valeric)	< 0.25	ND	2.1	ND	0.51	
97-61-0	2-Methylpentanoic Acid	< 0.24	ND	2.1	ND	0.44	
105-43-1	3-Methylpentanoic Acid	< 0.25	ND	2.1	ND	0.45	
646-07-1	4-Methylpentanoic Acid (Isocaproic)	< 0.24	ND	2.1	ND	0.44	
142-62-1	Hexanoic Acid (Caproic)	< 0.25	ND	2.1	ND	0.45	
111-14-8	Heptanoic Acid (Enanthoic)	< 0.24	ND	2.1	ND	0.39	
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	0.40	
124-07-2	Octanoic Acid (Caprylic)	< 0.24	ND	2.1	ND	0.35	
65-85-0	Benzoic Acid	< 0.26	ND	2.2	ND	0.44	
112-05-0	Nonanoic Acid (Pelargonic)	< 0.25	ND	2.1	ND	0.33	

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ALS ENVIRONMENTAL

RESULTS OF ANALYSIS

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Client: Atmospheric Analysis & Consulting, Inc.

Client Sample ID: 130650-63247 D-2

Client Project ID: Landfill / 130650

ALS Project ID: P1302340

ALS Sample ID: P1302340-006

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: 5/29/13

Date Received: 6/4/13

Date Analyzed: 6/14/13

Desorption Volume: 1.0 ml

Volume Sampled: 93.0 Liter(s)

CAS #	Compound	Result µg/Tube	Result µg/m³	MRL µg/m³	Result ppbV	MRL ppbV	Data Qualifier
64-19-7	Acetic Acid	< 2.0	ND	21	ND	8.7	
79-09-4	Propionic Acid (Propanoic)	< 0.24	ND	2.6	ND	0.86	
79-31-2	2-Methylpropanoic Acid (Isobutyric)	< 0.25	ND	2.6	ND	0.73	
107-92-6	Butanoic Acid (Butyric)	< 0.24	ND	2.6	ND	0.72	
116-53-0	2-Methylbutanoic Acid	< 0.24	ND	2.6	ND	0.63	
503-74-2	3-Methylbutanoic Acid (Isovaleric)	< 0.25	ND	2.6	ND	0.63	
109-52-4	Pentanoic Acid (Valeric)	< 0.25	ND	2.7	ND	0.64	
97-61-0	2-Methylpentanoic Acid	< 0.24	ND	2.6	ND	0.54	
105-43-1	3-Methylpentanoic Acid	< 0.25	ND	2.7	ND	0.56	
646-07-1	4-Methylpentanoic Acid (Isocaproic)	< 0.24	ND	2.6	ND	0.55	
142-62-1	Hexanoic Acid (Caproic)	< 0.25	ND	2.7	ND	0.56	
111-14-8	Heptanoic Acid (Enanthoic)	< 0.24	ND	2.6	ND	0.49	
149-57-5	2-Ethylhexanoic Acid	< 0.25	ND	2.6	ND	0.45	
98-89-5	Cyclohexanecarboxylic Acid	< 0.24	ND	2.6	ND	0.50	
124-07-2	Octanoic Acid (Caprylic)	< 0.24	ND	2.6	ND	0.44	
65-85-0	Benzoic Acid	< 0.26	ND	2.7	ND	0.55	
112-05-0	Nonanoic Acid (Pelargonic)	< 0.25	ND	2.7	ND	0.41	

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.

ALS ENVIRONMENTAL

RESULTS OF ANALYSIS

Page 1 of 1

Client: Atmospheric Analysis & Consulting, Inc.
Client Sample ID: 130650-63255 Trip Blank
Client Project ID: Landfill / 130650

ALS Project ID: P1302340
 ALS Sample ID: P1302340-007

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: 5/29/13
Date Received: 6/4/13
Date Analyzed: 6/14/13
Desorption Volume: 1.0 ml
Volume Sampled: NA Liter(s)

CAS #	Compound	Result µg/Tube	Result µg/m³	MRL µg/m³	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.

ALS ENVIRONMENTAL

RESULTS OF ANALYSIS

Page 1 of 1

Client: Atmospheric Analysis & Consulting, Inc.
Client Sample ID: Method Blank
Client Project ID: Landfill / 130650

ALS Project ID: P1302340
 ALS Sample ID: P130614-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: 6/14/13
Desorption Volume: 1.0 ml
Volume Sampled: NA Liter(s)

CAS #	Compound	Result µg/Tube	Result µg/m³	MRL µg/m³	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.

ALS ENVIRONMENTAL

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 / 130650

ALS Project ID: P1302340
 ALS Sample ID: P130614-DLCS

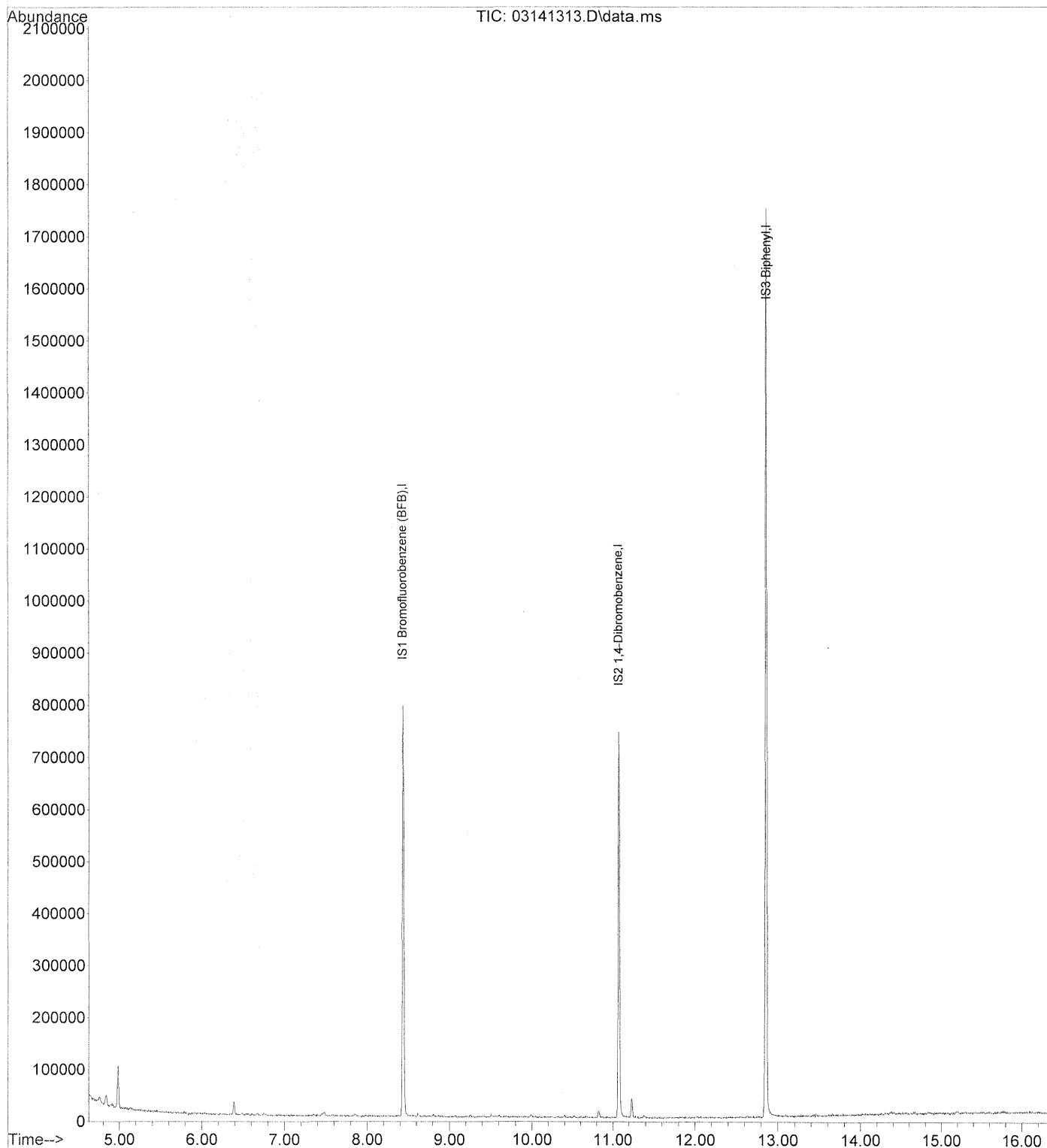
Test Code: GC/MS
Instrument ID: Agilent 5973/Agilent 6890/MS14
Analyst: Evelyn Ibarra
Sampling Media: Silica Gel Tube
Test Notes:

Date Collected: NA
Date Received: NA
Date Analyzed: 6/14/13
Volume(s) Analyzed: NA Liter(s)

CAS #	Compound	Spike Amount	Result		% Recovery		ALS	RPD	RPD	Data
		LCS / DLCS	LCS	DLCS	LCS	DLCS	Acceptance			
		µg/ml	µg/ml	µg/ml			Limits		Limit	Qualifier
64-19-7	Acetic Acid	15.9	12.1	13.9	76	87	66-135	13	26	
79-09-4	Propionic Acid (Propanoic)	7.84	6.74	7.28	86	93	76-126	8	14	
79-31-2	2-Methylpropanoic Acid (Isobutyric)	9.64	8.57	8.93	89	93	84-118	4	13	
107-92-6	Butanoic Acid (Butyric)	9.53	8.83	9.22	93	97	85-117	4	11	
116-53-0	2-Methylbutanoic Acid	9.99	9.47	9.67	95	97	87-116	2	11	
503-74-2	3-Methylbutanoic Acid (Isovaleric)	10.0	9.43	9.69	94	97	88-114	3	10	
109-52-4	Pentanoic Acid (Valeric)	10.2	9.75	10.0	96	98	89-113	2	11	
97-61-0	2-Methylpentanoic Acid	10.6	10.3	10.3	97	97	88-113	0	10	
105-43-1	3-Methylpentanoic Acid	10.4	10.0	10.1	96	97	88-113	1	10	
646-07-1	4-Methylpentanoic Acid (Isocaproic)	10.1	9.88	9.98	98	99	89-113	1	11	
142-62-1	Hexanoic Acid (Caproic)	10.2	9.88	9.93	97	97	87-114	0	11	
111-14-8	Heptanoic Acid (Enanthoic)	8.37	8.12	8.38	97	100	84-116	3	10	
149-57-5	2-Ethylhexanoic Acid	8.78	7.99	8.51	91	97	82-111	6	12	
98-89-5	Cyclohexanecarboxylic Acid	7.94	7.75	7.91	98	100	85-115	2	10	
124-07-2	Octanoic Acid (Caprylic)	8.97	8.67	9.03	97	101	84-116	4	11	
65-85-0	Benzoic Acid	9.31	7.80	8.55	84	92	72-109	9	13	
112-05-0	Nonanoic Acid (Pelargonic)	9.65	9.33	9.57	97	99	84-116	2	10	

Data Path : J:\MS14\DATA\ACIDS\2013_06\14\
Data File : 03141313.D
Acq On : 14 Jun 2013 2:08 pm
Operator : EI
Sample : P1302340-001 Front 1.0ml
Misc :
ALS Vial : 11 Sample Multiplier: 1

Quant Time: Jun 17 09:44:56 2013
Quant Method : J:\MS14\METHODS\CA061013E.M
Quant Title : Short Chain Carboxylic Acids in Air
QLast Update : Tue Jun 11 08:53:59 2013
Response via : Initial Calibration



Data Path : J:\MS14\DATA\ACIDS\2013_06\14\
 Data File : 03141313.D
 Acq On : 14 Jun 2013 2:08 pm
 Operator : EI
 Sample : P1302340-001 Front 1.0ml
 Misc :
 ALS Vial : 11 Sample Multiplier: 1

6/17/13
 ET

Quant Time: Jun 17 09:44:56 2013
 Quant Method : J:\MS14\METHODS\CA061013E.M
 Quant Title : Short Chain Carboxylic Acids in Air
 QLast Update : Tue Jun 11 08:53:59 2013
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev (Min)
1) IS1 Bromofluorobenzene...	8.44	95	232890	10.00	ug/ml	0.00
13) IS2 1,4-Dibromobenzene	11.08	236	155305	10.00	ug/ml	0.00
19) IS3 Biphenyl	12.85	154	720180	10.00	ug/ml	0.00

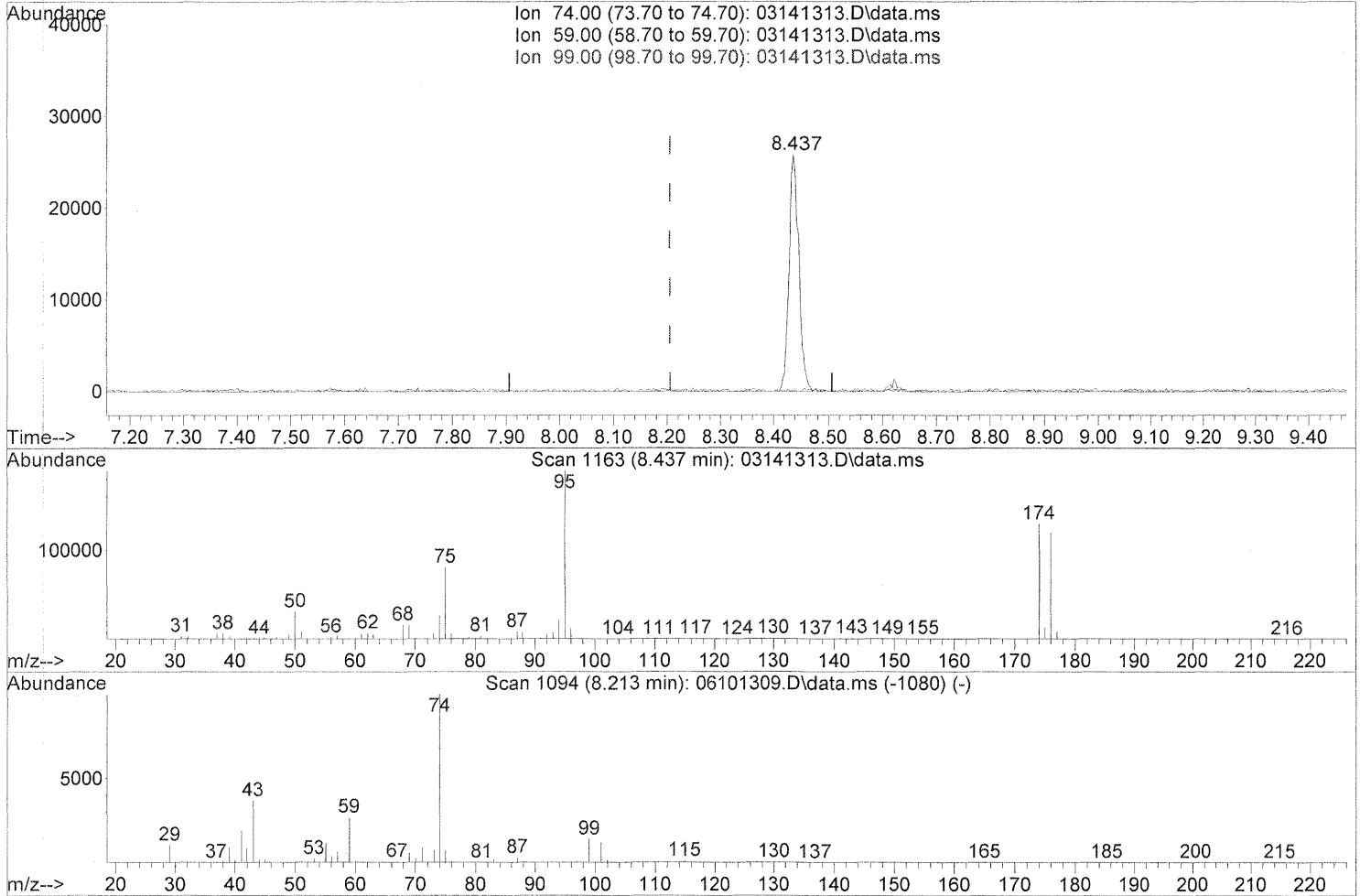
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Acetic acid	4.75	74	247	N.D.		
3) Propanoic acid	5.60	57	352	N.D.		
4) 2-Methylpropanoic acid	6.03	71	55	N.D.		
5) Butanoic acid	6.48	74	771	N.D.		
6) 2-Methylbutanoic acid	6.98	88	24	N.D.		
7) 3-Methylbutanoic acid	7.08	74	75	N.D.		
8) Pentanoic acid	7.57	74	399	N.D.		
9) 2-Methylpentanoic acid	7.97	88	27	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	9.60	74	461	N.D.		
15) 2-Ethylhexanoic acid	9.67	87	126	N.D.		
16) Cyclohexanecarboxylic ...	10.16	55	41	N.D.		
17) Octanoic acid	10.52	74	691	N.D.		
18) Benzoic acid	10.83	105	90	N.D.		
20) Nonanoic acid	11.38	74	1376	N.D.		
21) Decanoic Acid	12.19	74	170	N.D.		

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

Quantitation Report (Qedit)

Data Path : J:\MS14\DATA\ACIDS\2013_06\14\
 Data File : 03141313.D
 Acq On : 14 Jun 2013 2:08 pm
 Operator : EI
 Sample : P1302340-001 Front 1.0ml
 Misc :
 ALS Vial : 11 Sample Multiplier: 1

Quant Time: Jun 14 14:25:42 2013
 Quant Method : J:\MS14\METHODS\CA061013E.M
 Quant Title : Short Chain Carboxylic Acids in Air
 QLast Update : Tue Jun 11 08:53:59 2013
 Response via : Initial Calibration



TIC: 03141313.D\data.ms

(10) 3-Methylpentanoic acid (T)

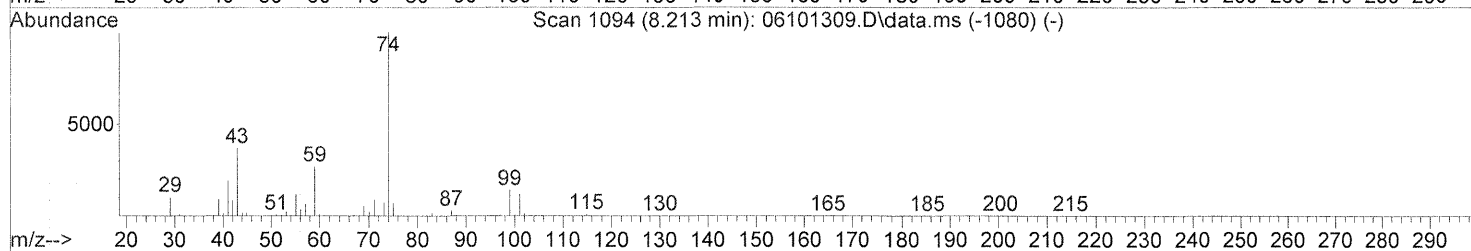
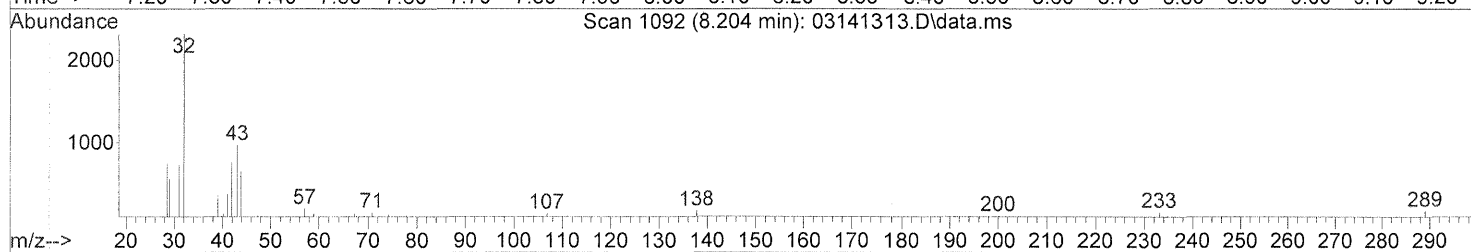
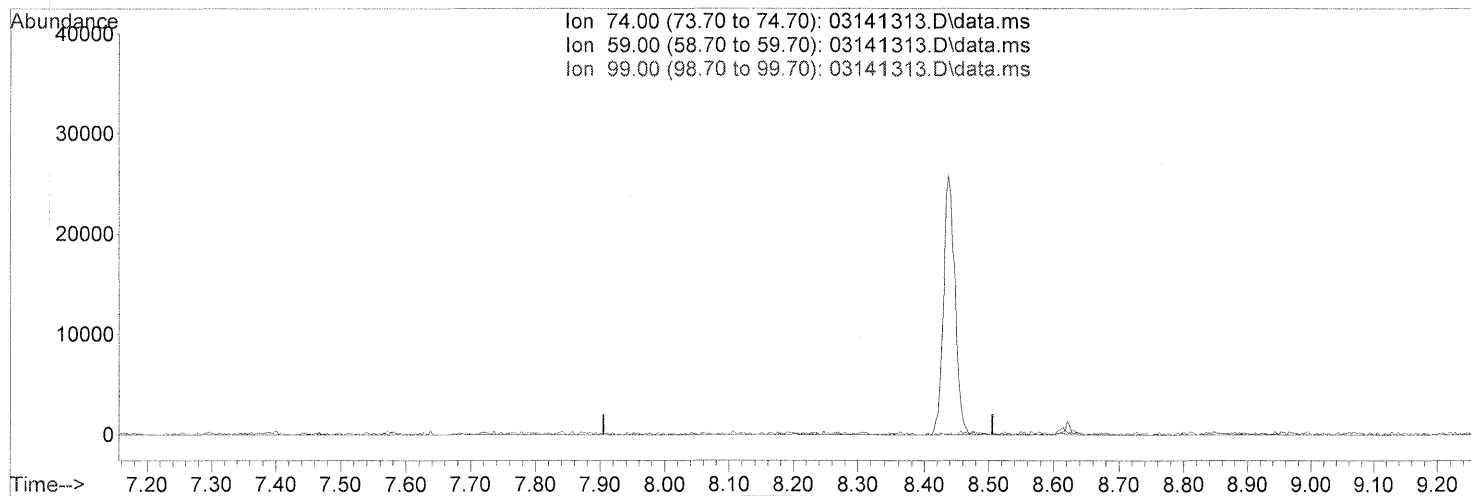
8.437min (+0.231) 0.66ug/ml

response 31928

Ion	Exp%	Act%
74.00	100	100
59.00	25.70	0.12#
99.00	14.20	0.00
0.00	0.00	0.00

Data Path : J:\MS14\DATA\ACIDS\2013_06\14\
Data File : 03141313.D
Acq On : 14 Jun 2013 2:08 pm
Operator : EI
Sample : P1302340-001 Front 1.0ml
Misc :
ALS Vial : 11 Sample Multiplier: 1

Quant Time: Jun 14 14:25:42 2013
Quant Method : J:\MS14\METHODS\CA061013E.M
Quant Title : Short Chain Carboxylic Acids in Air
QLast Update : Tue Jun 11 08:53:59 2013
Response via : Initial Calibration



TIC: 03141313.D\data.ms

(10) 3-Methylpentanoic acid (T)

8.206min 0.00ug/ml d

response 0

Ion	Exp%	Act%
74.00	100	0.00
59.00	25.70	0.00
99.00	14.20	0.00
0.00	0.00	0.00

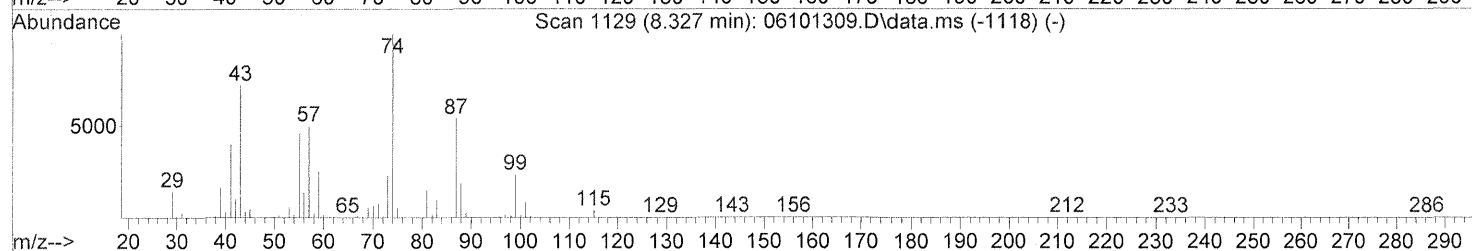
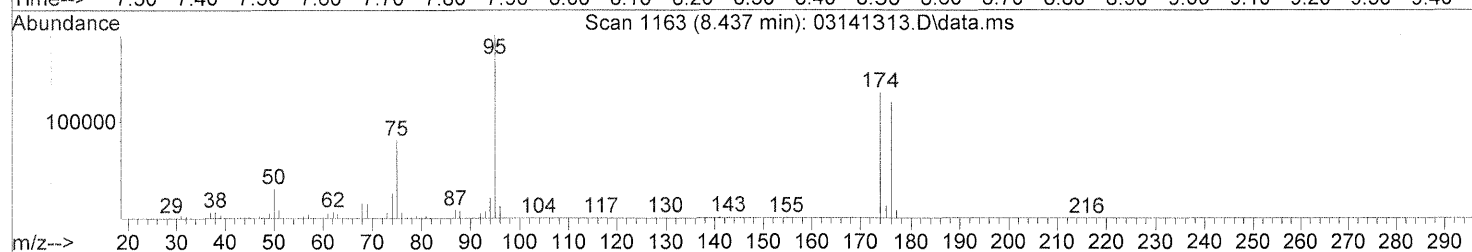
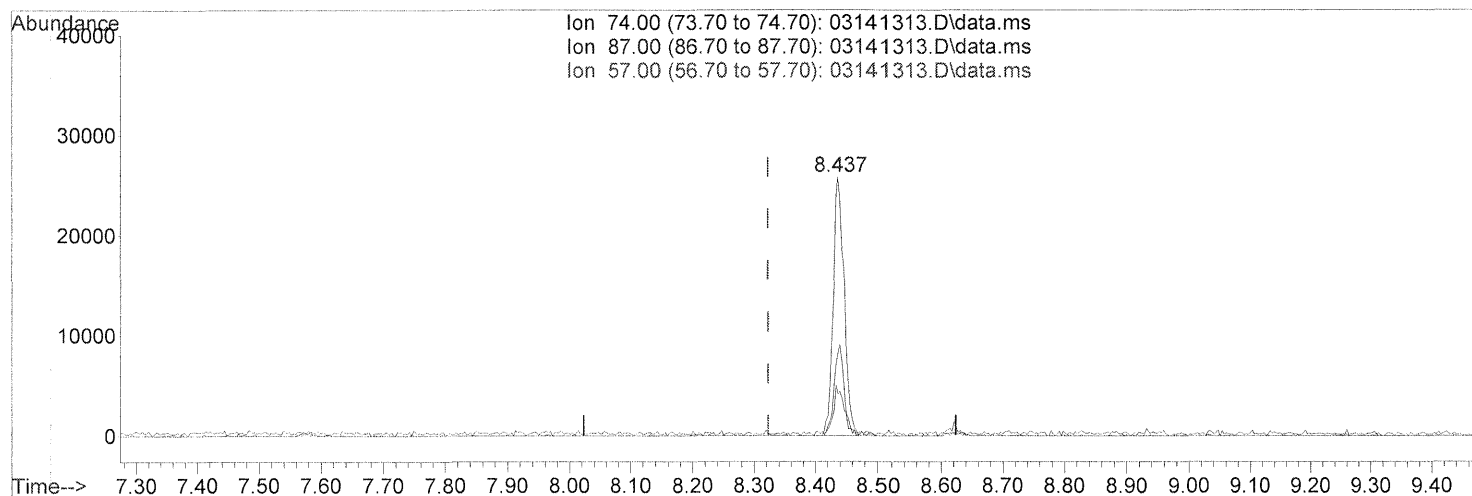
FP 6/17/13
EI

LN 6/17/13

Quantitation Report (Qedit)

Data Path : J:\MS14\DATA\ACIDS\2013_06\14\
Data File : 03141313.D
Acq On : 14 Jun 2013 2:08 pm
Operator : EI
Sample : P1302340-001 Front 1.0ml
Misc :
ALS Vial : 11 Sample Multiplier: 1

Quant Time: Jun 14 14:25:42 2013
Quant Method : J:\MS14\METHODS\CA061013E.M
Quant Title : Short Chain Carboxylic Acids in Air
QLast Update : Tue Jun 11 08:53:59 2013
Response via : Initial Calibration



TIC: 03141313.D\data.ms

(11) 4-Methylpentanoic acid (T)

8.437min (+0.113) 1.28ug/ml

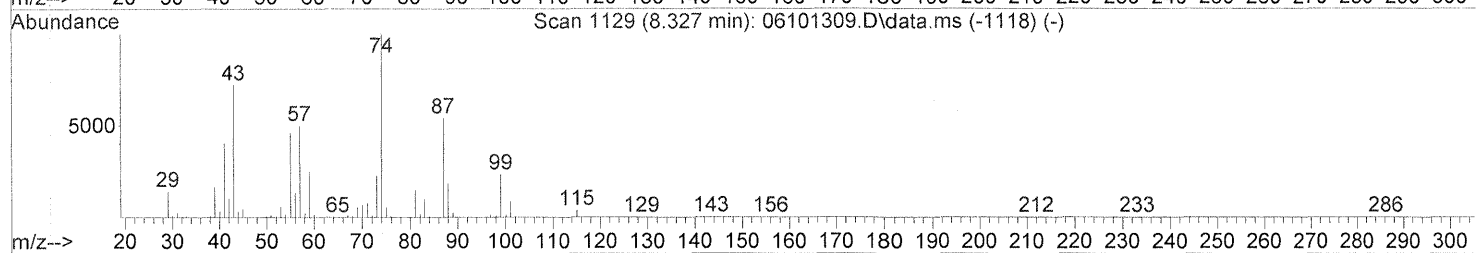
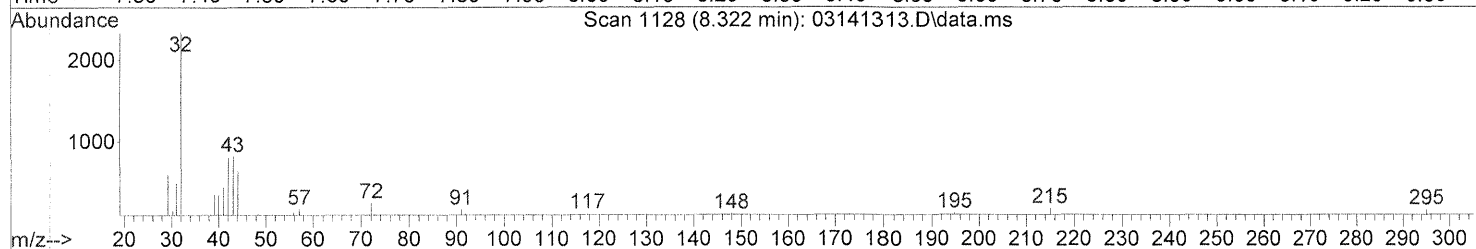
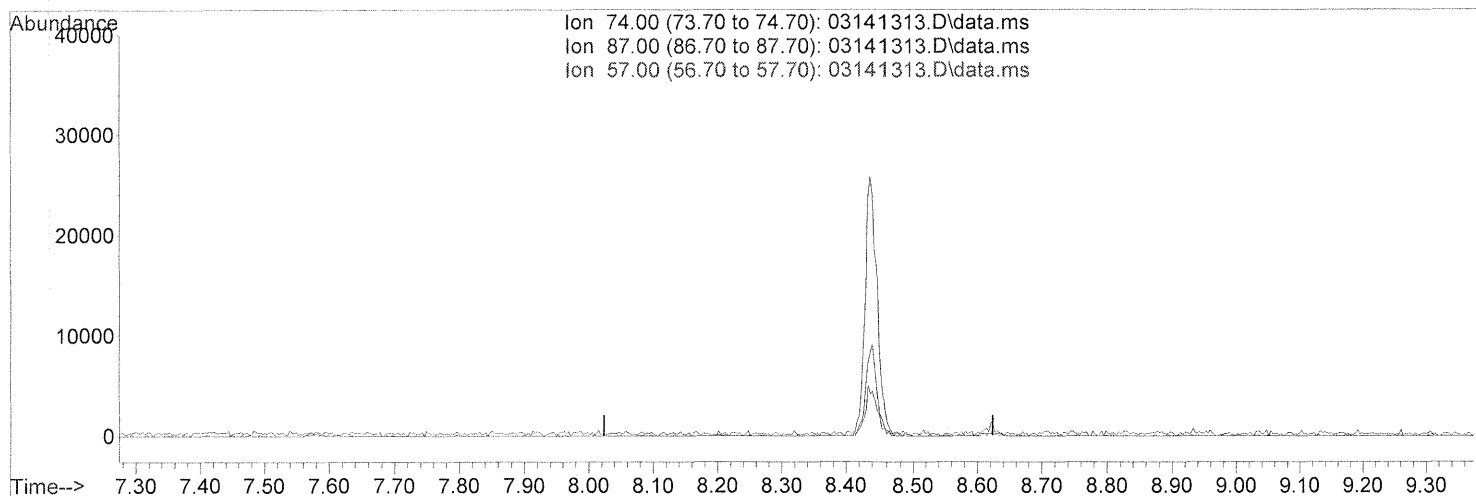
response 31928

Ion	Exp%	Act%
74.00	100	100
87.00	54.70	32.26#
57.00	48.10	18.49#
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : J:\MS14\DATA\ACIDS\2013_06\14\
 Data File : 03141313.D
 Acq On : 14 Jun 2013 2:08 pm
 Operator : EI
 Sample : P1302340-001 Front 1.0ml
 Misc :
 ALS Vial : 11 Sample Multiplier: 1

Quant Time: Jun 14 14:25:42 2013
 Quant Method : J:\MS14\METHODS\CA061013E.M
 Quant Title : Short Chain Carboxylic Acids in Air
 QLast Update : Tue Jun 11 08:53:59 2013
 Response via : Initial Calibration



TIC: 03141313.D\data.ms

(11) 4-Methylpentanoic acid (T)

8.324min 0.00ug/ml d

response 0

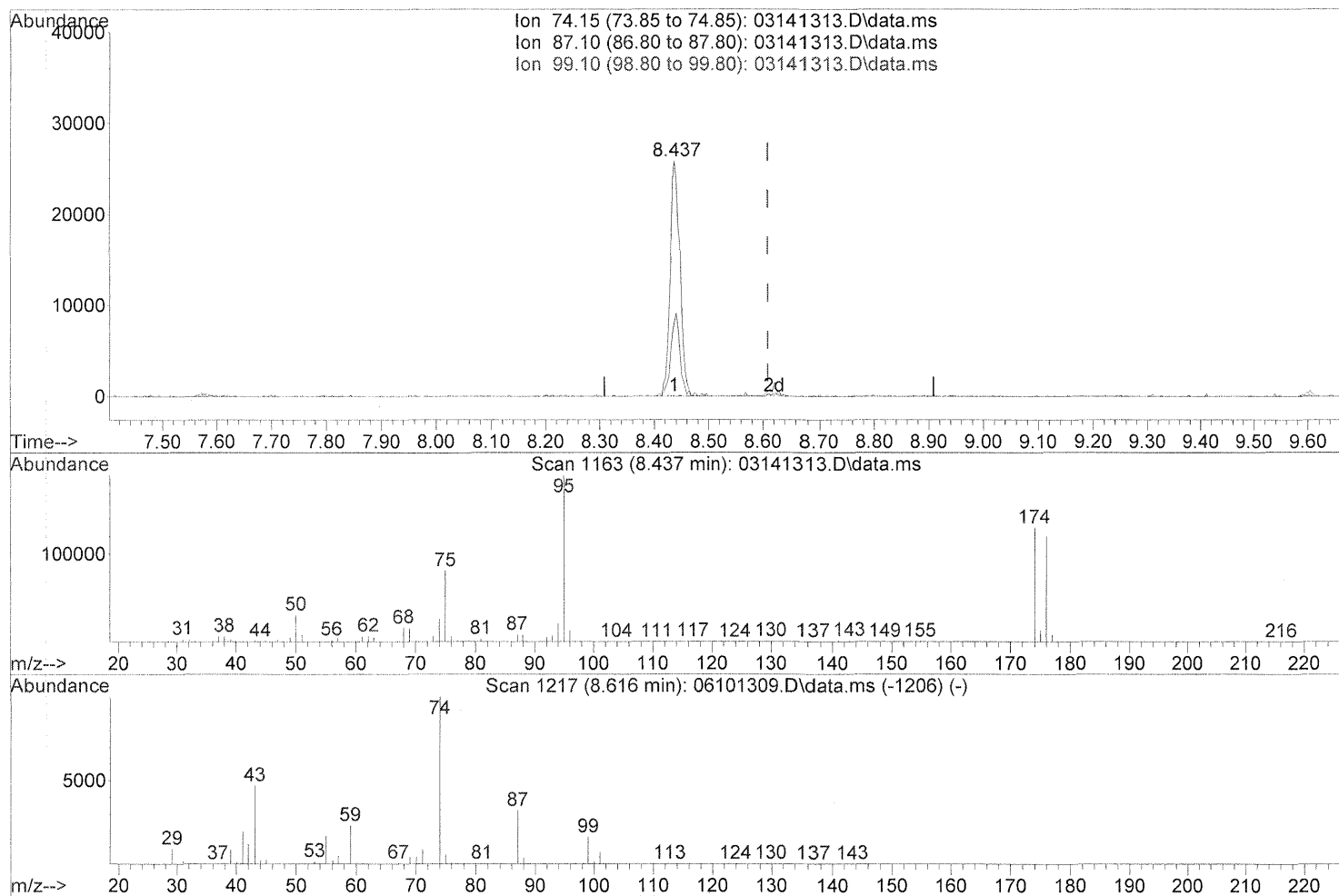
Ion	Exp%	Act%
74.00	100	0.00
87.00	54.70	0.00
57.00	48.10	0.00
0.00	0.00	0.00

FP 6/17/13
 ET

UH 6/17/13

Data Path : J:\MS14\DATA\ACIDS\2013_06\14\
Data File : 03141313.D
Acq On : 14 Jun 2013 2:08 pm
Operator : EI
Sample : P1302340-001 Front 1.0ml
Misc :
ALS Vial : 11 Sample Multiplier: 1

Quant Time: Jun 14 14:25:42 2013
Quant Method : J:\MS14\METHODS\CA061013E.M
Quant Title : Short Chain Carboxylic Acids in Air
QLast Update : Tue Jun 11 08:53:59 2013
Response via : Initial Calibration



TIC: 03141313.D\data.ms

(12) Hexanoic acid (T)

8.437min (-0.172) 0.73ug/ml

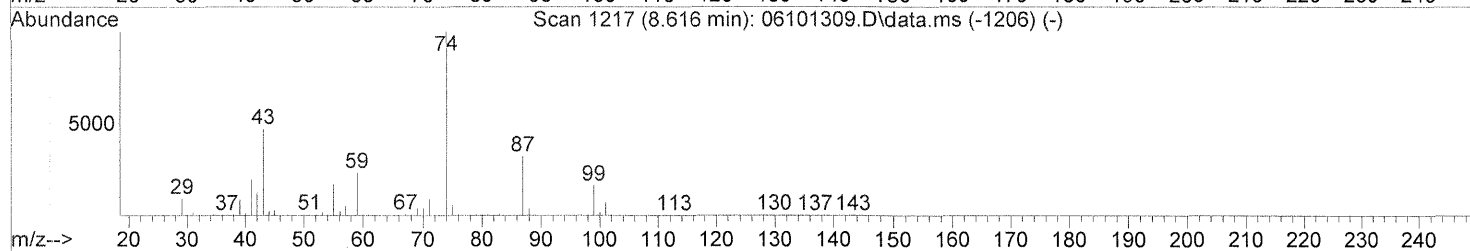
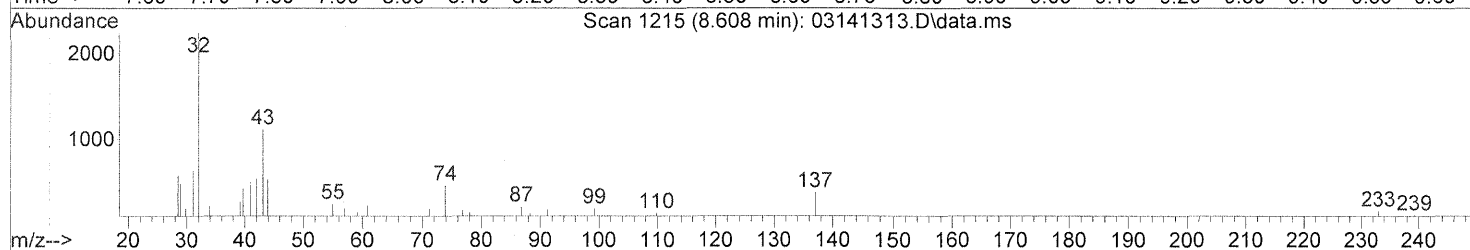
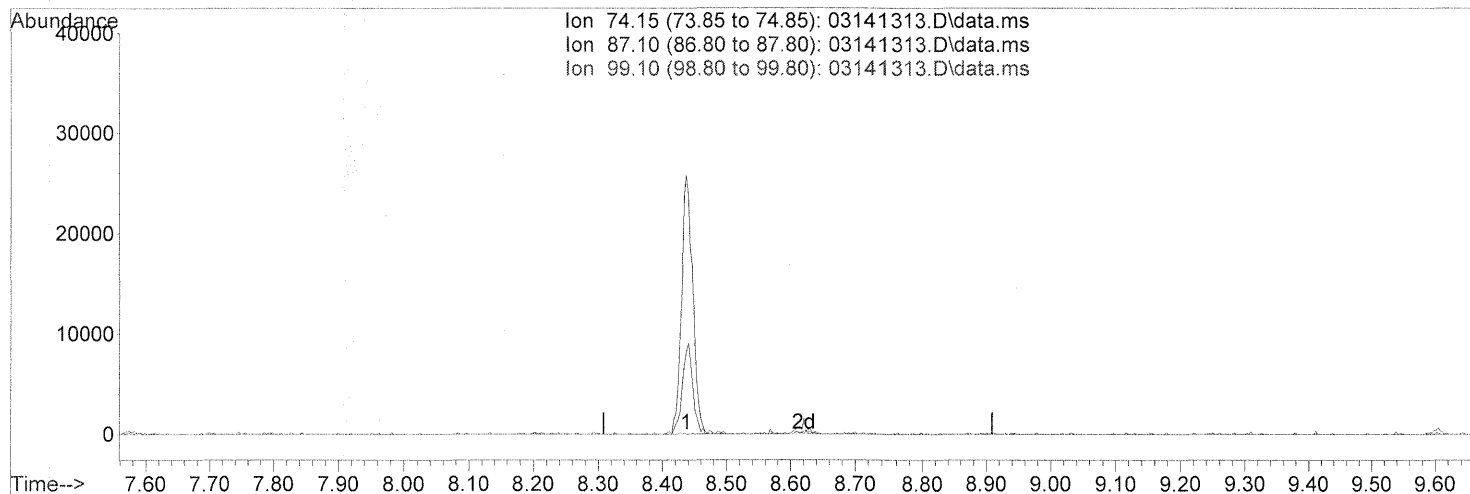
response 31871

Ion	Exp%	Act%
74.15	100	100
87.10	30.70	32.32
99.10	17.70	0.07
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : J:\MS14\DATA\ACIDS\2013_06\14\
 Data File : 03141313.D
 Acq On : 14 Jun 2013 2:08 pm
 Operator : EI
 Sample : P1302340-001 Front 1.0ml
 Misc :
 ALS Vial : 11 Sample Multiplier: 1

Quant Time: Jun 14 14:25:42 2013
 Quant Method : J:\MS14\METHODS\CA061013E.M
 Quant Title : Short Chain Carboxylic Acids in Air
 QLast Update : Tue Jun 11 08:53:59 2013
 Response via : Initial Calibration



TIC: 03141313.D\data.ms

(12) Hexanoic acid (T)

8.609min 0.00ug/ml d

response 0

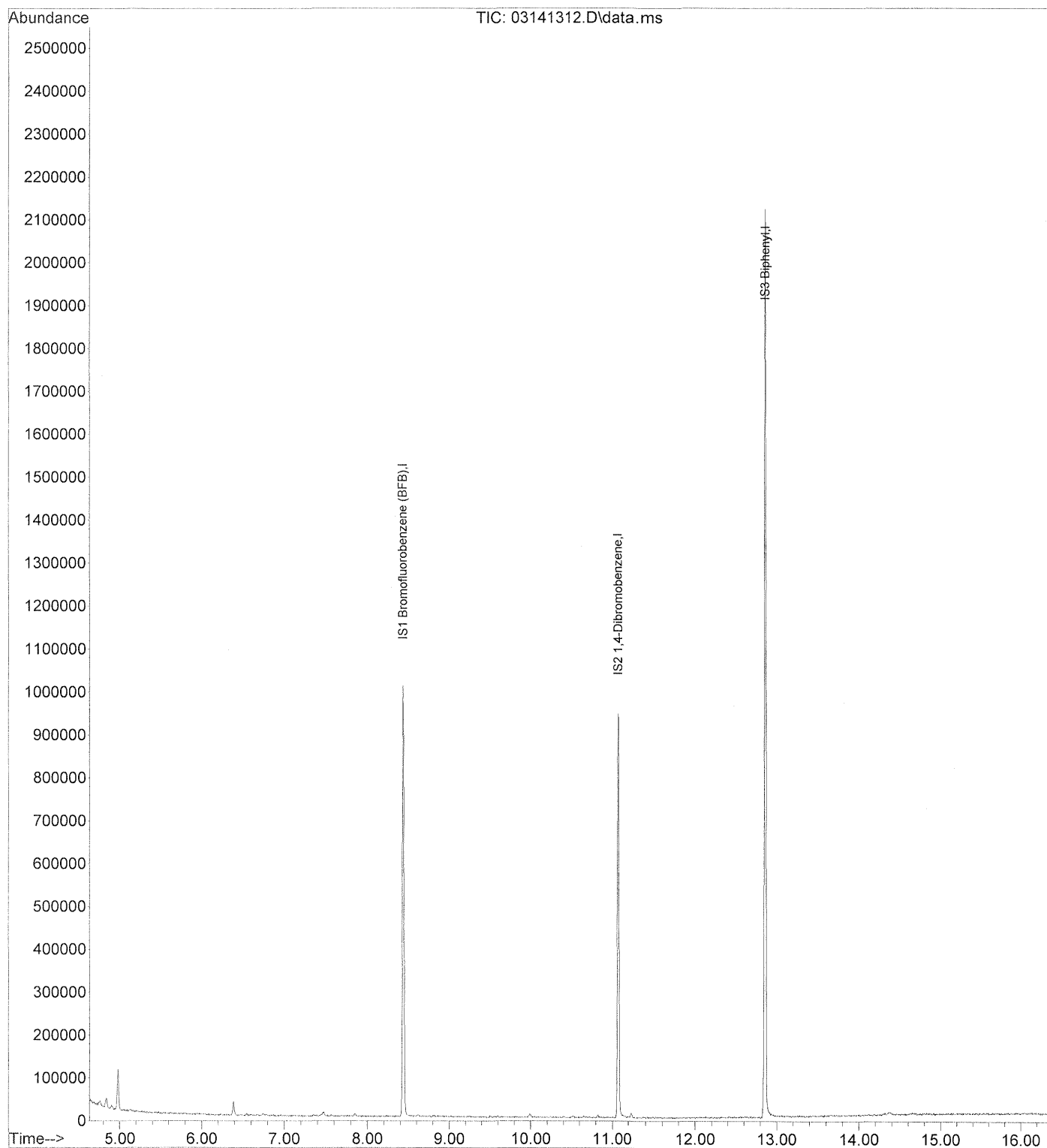
Ion	Exp%	Act%
74.15	100	0.00
87.10	30.70	0.00
99.10	17.70	0.00
0.00	0.00	0.00

FD 6/17/13
EI

UH 6/17/13

Data Path : J:\MS14\DATA\ACIDS\2013_06\14\
Data File : 03141312.D
Acq On : 14 Jun 2013 1:44 pm
Operator : EI
Sample : P1302340-001 Back 1.0ml
Misc :
ALS Vial : 10 Sample Multiplier: 1

Quant Time: Jun 14 14:11:27 2013
Quant Method : J:\MS14\METHODS\CA061013E.M
Quant Title : Short Chain Carboxylic Acids in Air
QLast Update : Tue Jun 11 08:53:59 2013
Response via : Initial Calibration



Data Path : J:\MS14\DATA\ACIDS\2013_06\14\
Data File : 03141312.D
Acq On : 14 Jun 2013 1:44 pm
Operator : EI
Sample : P1302340-001 Back 1.0ml
Misc :
ALS Vial : 10 Sample Multiplier: 1

Quant Time: Jun 14 14:11:27 2013
Quant Method : J:\MS14\METHODS\CA061013E.M
Quant Title : Short Chain Carboxylic Acids in Air
QLast Update : Tue Jun 11 08:53:59 2013
Response via : Initial Calibration

6/14/13
EI

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev (Min)
1) IS1 Bromofluorobenzene...	8.44	95	294519	10.00	ug/ml	0.00
13) IS2 1,4-Dibromobenzene	11.08	236	193598	10.00	ug/ml	0.00
19) IS3 Biphenyl	12.85	154	898194	10.00	ug/ml	0.00

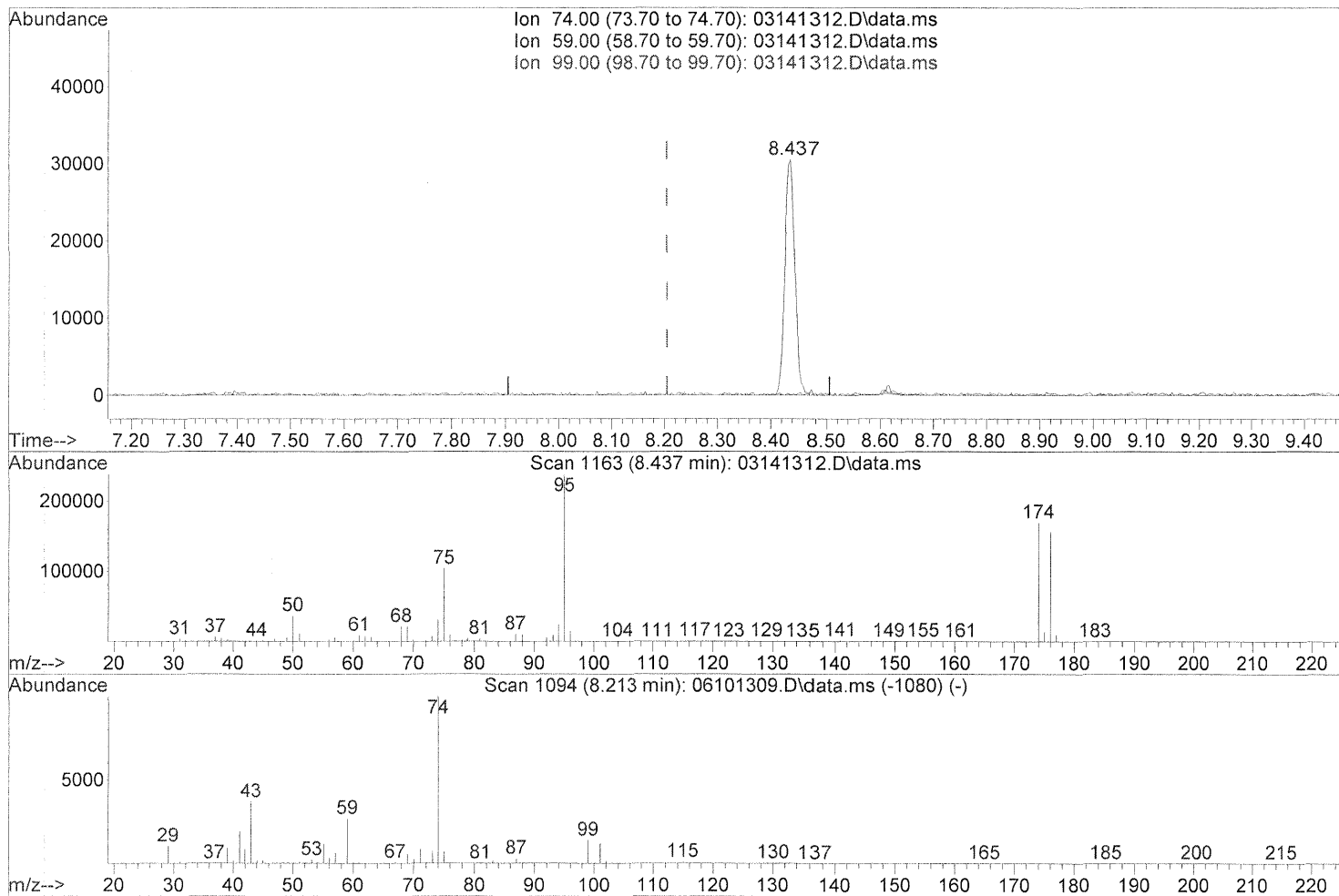
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Acetic acid	4.75	74	316	N.D.		
3) Propanoic acid	5.63	57	193	N.D.		
4) 2-Methylpropanoic acid	6.04	71	160	N.D.		
5) Butanoic acid	6.40	74	85	N.D.		
6) 2-Methylbutanoic acid	7.00	88	25	N.D.		
7) 3-Methylbutanoic acid	7.07	74	50	N.D.		
8) Pentanoic acid	7.58	74	148	N.D.		
9) 2-Methylpentanoic acid	8.13	88	52	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	8.62	74	1241	N.D.		
14) Heptanoic acid	9.60	74	218	N.D.		
15) 2-Ethylhexanoic acid	9.65	87	27	N.D.		
16) Cyclohexanecarboxylic ...	10.16	55	34	N.D.		
17) Octanoic acid	10.52	74	1441	N.D.		
18) Benzoic acid	10.82	105	191	N.D.		
20) Nonanoic acid	11.38	74	998	N.D.		
21) Decanoic Acid	12.20	74	76	N.D.		

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

Quantitation Report (Qedit)

Data Path : J:\MS14\DATA\ACIDS\2013_06\14\
Data File : 03141312.D
Acq On : 14 Jun 2013 1:44 pm
Operator : EI
Sample : P1302340-001 Back 1.0ml
Misc :
ALS Vial : 10 Sample Multiplier: 1

Quant Time: Jun 14 14:09:22 2013
Quant Method : J:\MS14\METHODS\CA061013E.M
Quant Title : Short Chain Carboxylic Acids in Air
QLast Update : Tue Jun 11 08:53:59 2013
Response via : Initial Calibration



TIC: 03141312.D\data.ms

(10) 3-Methylpentanoic acid (T)

8.437min (+0.231) 0.66ug/ml

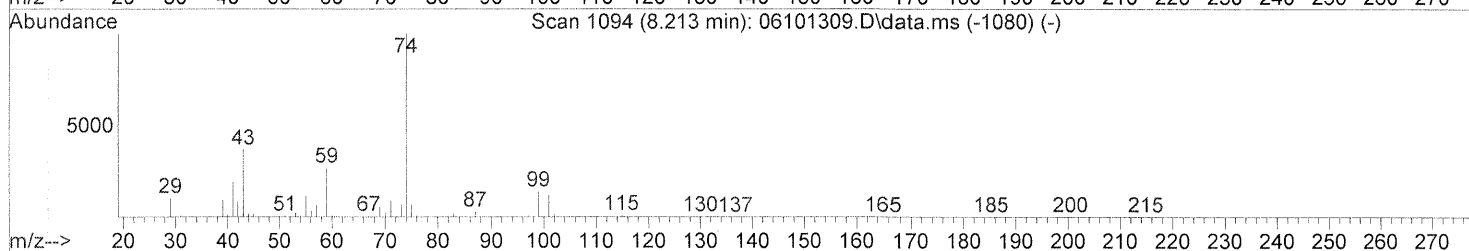
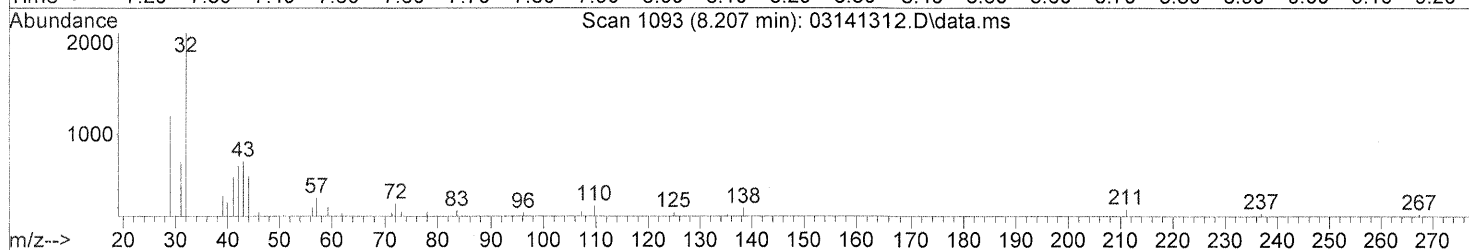
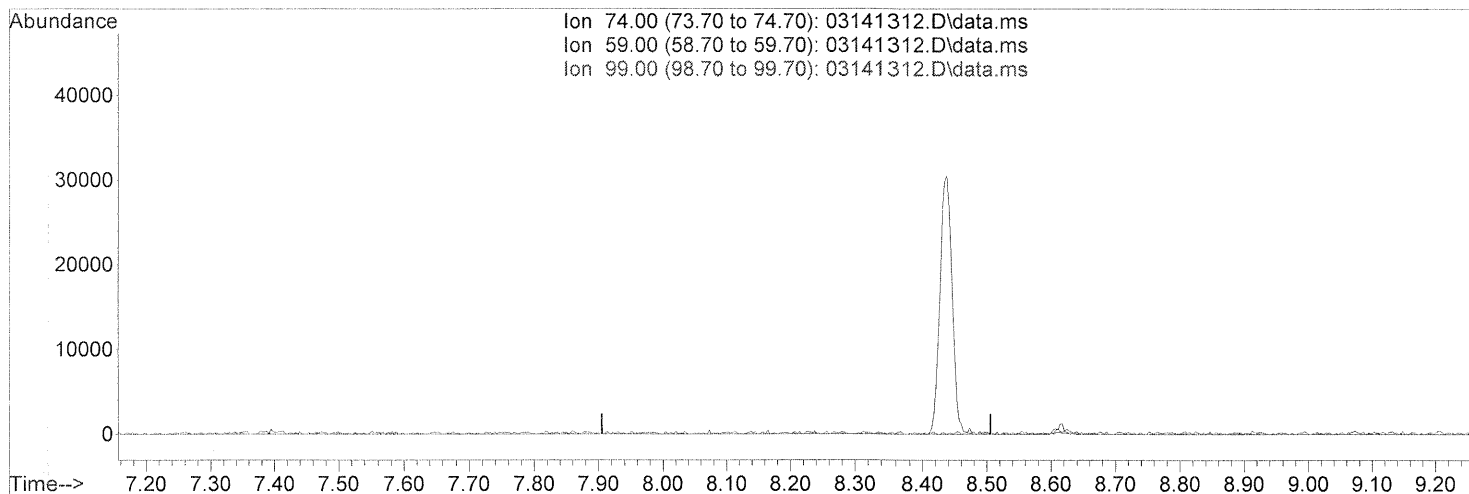
response 39986

Ion	Exp%	Act%
74.00	100	100
59.00	25.70	0.16#
99.00	14.20	0.00
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : J:\MS14\DATA\ACIDS\2013_06\14\
 Data File : 03141312.D
 Acq On : 14 Jun 2013 1:44 pm
 Operator : EI
 Sample : P1302340-001 Back 1.0ml
 Misc :
 ALS Vial : 10 Sample Multiplier: 1

Quant Time: Jun 14 14:09:22 2013
 Quant Method : J:\MS14\METHODS\CA061013E.M
 Quant Title : Short Chain Carboxylic Acids in Air
 QLast Update : Tue Jun 11 08:53:59 2013
 Response via : Initial Calibration



TIC: 03141312.D\data.ms

(10) 3-Methylpentanoic acid (T)

8.206min 0.00ug/ml d

response 0

Ion	Exp%	Act%
74.00	100	0.00
59.00	25.70	0.00
99.00	14.20	0.00
0.00	0.00	0.00

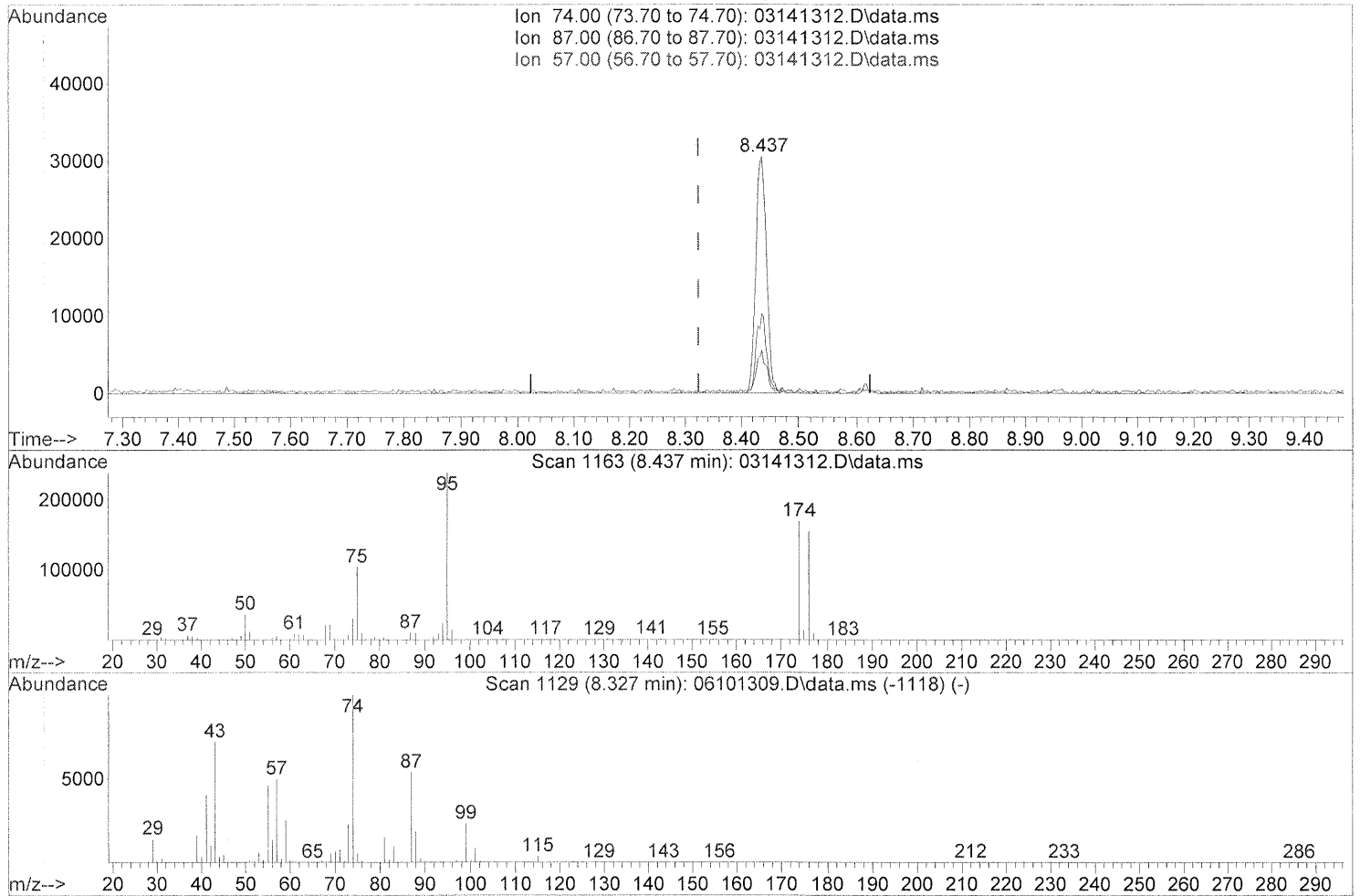
FP 6/14/13
 ET

u 6/17/13

Quantitation Report (Qedit)

Data Path : J:\MS14\DATA\ACIDS\2013_06\14\
 Data File : 03141312.D
 Acq On : 14 Jun 2013 1:44 pm
 Operator : EI
 Sample : P1302340-001 Back 1.0ml
 Misc :
 ALS Vial : 10 Sample Multiplier: 1

Quant Time: Jun 14 14:09:22 2013
 Quant Method : J:\MS14\METHODS\CA061013E.M
 Quant Title : Short Chain Carboxylic Acids in Air
 QLast Update : Tue Jun 11 08:53:59 2013
 Response via : Initial Calibration



TIC: 03141312.D\data.ms

(11) 4-Methylpentanoic acid (T)

8.437min (+0.113) 1.26ug/ml

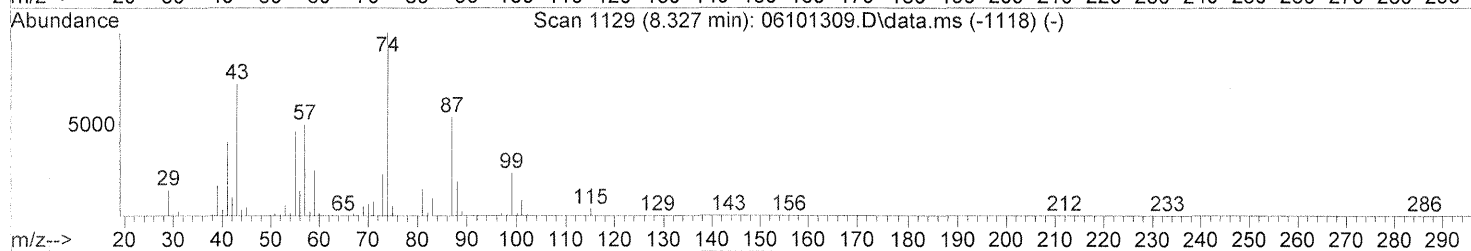
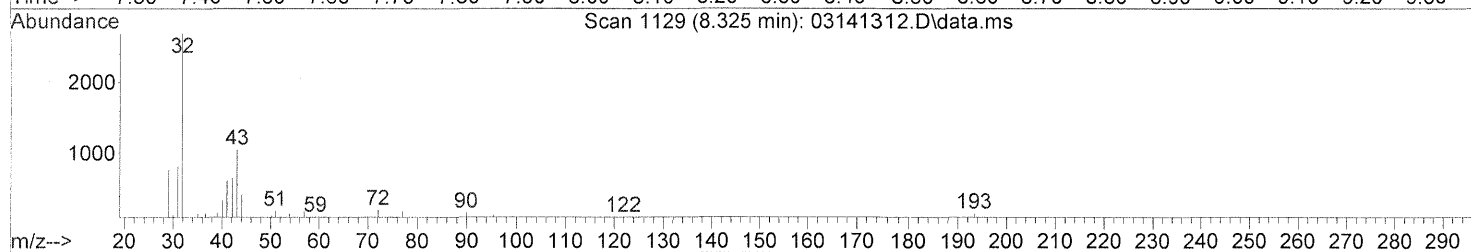
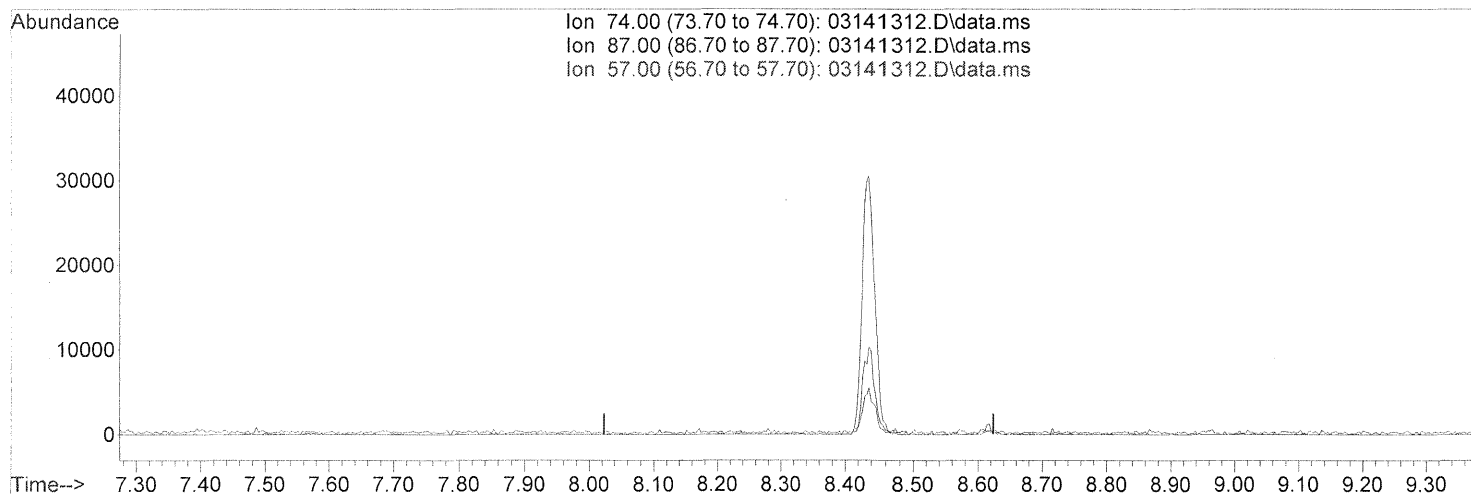
response 39986

Ion	Exp%	Act%
74.00	100	100
87.00	54.70	31.96#
57.00	48.10	16.76#
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : J:\MS14\DATA\ACIDS\2013_06\14\
 Data File : 03141312.D
 Acq On : 14 Jun 2013 1:44 pm
 Operator : EI
 Sample : P1302340-001 Back 1.0ml
 Misc :
 ALS Vial : 10 Sample Multiplier: 1

Quant Time: Jun 14 14:09:22 2013
 Quant Method : J:\MS14\METHODS\CA061013E.M
 Quant Title : Short Chain Carboxylic Acids in Air
 QLast Update : Tue Jun 11 08:53:59 2013
 Response via : Initial Calibration



TIC: 03141312.D\data.ms

(11) 4-Methylpentanoic acid (T)

8.324min 0.00ug/ml d

response 0

Ion	Exp%	Act%
74.00	100	0.00
87.00	54.70	0.00
57.00	48.10	0.00
0.00	0.00	0.00

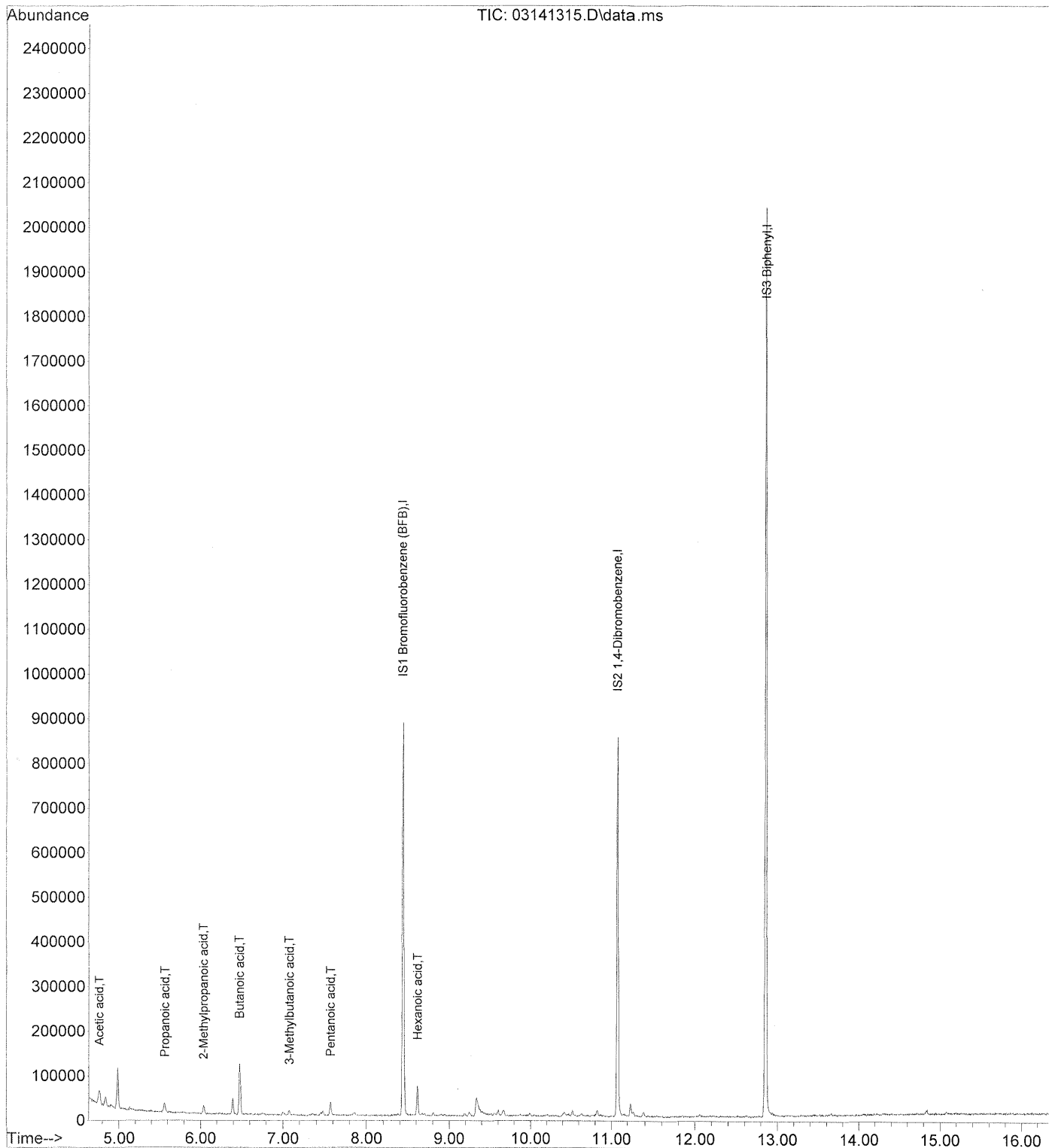
FP 6/14/13

EE

UH 6/17/13

Data Path : J:\MS14\DATA\ACIDS\2013_06\14\
Data File : 03141315.D
Acq On : 14 Jun 2013 2:52 pm
Operator : EI
Sample : P1302340-002 Front 1.0ml
Misc :
ALS Vial : 13 Sample Multiplier: 1

Quant Time: Jun 14 15:11:35 2013
Quant Method : J:\MS14\METHODS\CA061013E.M
Quant Title : Short Chain Carboxylic Acids in Air
QLast Update : Tue Jun 11 08:53:59 2013
Response via : Initial Calibration



Data Path : J:\MS14\DATA\ACIDS\2013_06\14\
 Data File : 03141315.D
 Acq On : 14 Jun 2013 2:52 pm
 Operator : EI
 Sample : P1302340-002 Front 1.0ml
 Misc :
 ALS Vial : 13 Sample Multiplier: 1

Quant Time: Jun 14 15:11:35 2013
 Quant Method : J:\MS14\METHODS\CA061013E.M
 Quant Title : Short Chain Carboxylic Acids in Air
 QLast Update : Tue Jun 11 08:53:59 2013
 Response via : Initial Calibration

6/14/13
 ET

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev (Min)
1) IS1 Bromofluorobenzene...	8.44	95	262082	10.00	ug/ml	0.00
13) IS2 1,4-Dibromobenzene	11.08	236	175781	10.00	ug/ml	0.00
19) IS3 Biphenyl	12.86	154	873005	10.00	ug/ml	0.00

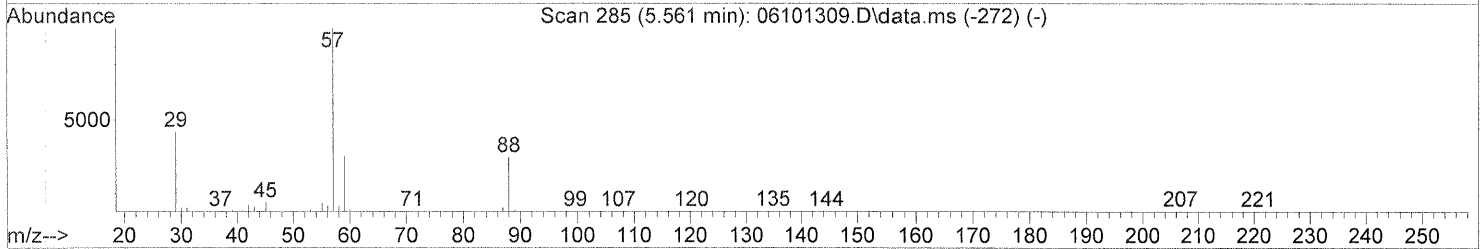
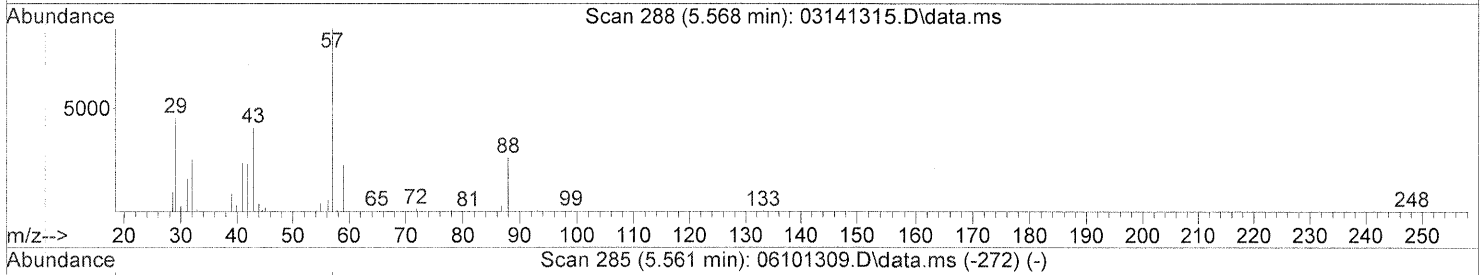
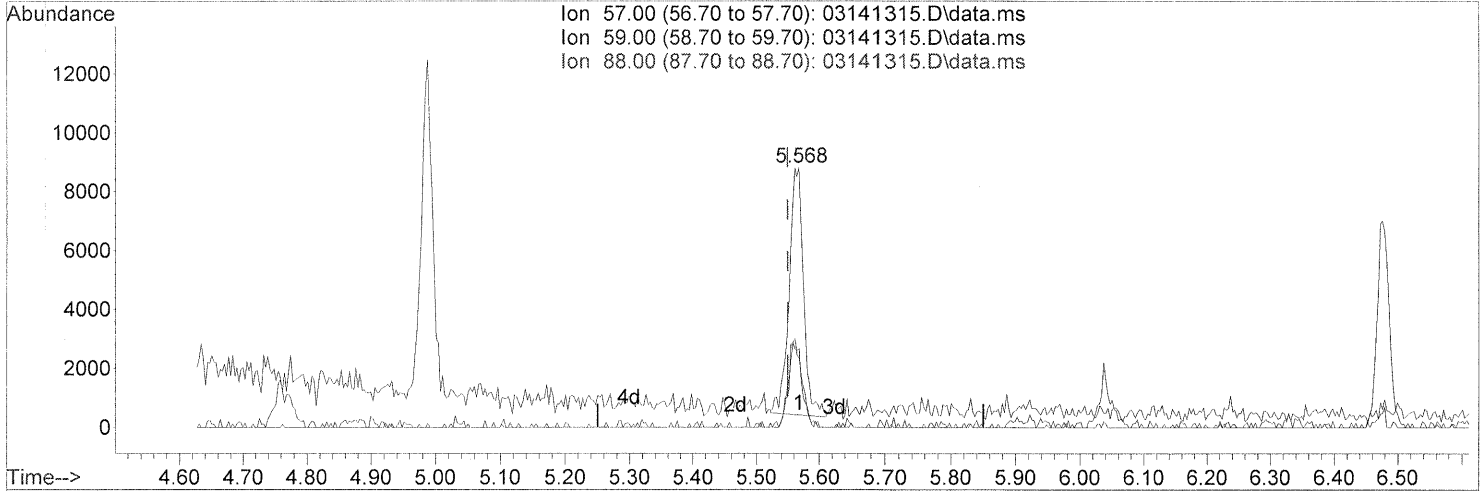
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Acetic acid	4.76	74	6382	1.99	ug/ml#	77
3) Propanoic acid	5.57	57	13521	0.61	ug/ml	95
4) 2-Methylpropanoic acid	6.04	71	3383	0.26	ug/ml	96
5) Butanoic acid	6.47	74	33434	1.56	ug/ml	97
6) 2-Methylbutanoic acid	7.00	88	2097	N.D.		
7) 3-Methylbutanoic acid	7.08	74	4041	0.10	ug/ml	97
8) Pentanoic acid	7.57	74	10093	0.28	ug/ml	97
9) 2-Methylpentanoic acid	7.95	88	91	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	8.62	74	24794	0.51	ug/ml	96
14) Heptanoic acid	9.60	74	3331	N.D.		
15) 2-Ethylhexanoic acid	9.65	87	1202	N.D.		
16) Cyclohexanecarboxylic ...	10.15	55	418	N.D.		
17) Octanoic acid	10.52	74	4098	N.D.		
18) Benzoic acid	10.83	105	508	N.D.		
20) Nonanoic acid	11.38	74	3635	N.D.		
21) Decanoic Acid	12.18	74	701	N.D.		

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

Quantitation Report (Qedit)

Data Path : J:\MS14\DATA\ACIDS\2013_06\14\
 Data File : 03141315.D
 Acq On : 14 Jun 2013 2:52 pm
 Operator : EI
 Sample : P1302340-002 Front 1.0ml
 Misc :
 ALS Vial : 13 Sample Multiplier: 1

Quant Time: Jun 14 15:10:25 2013
 Quant Method : J:\MS14\METHODS\CA061013E.M
 Quant Title : Short Chain Carboxylic Acids in Air
 QLast Update : Tue Jun 11 08:53:59 2013
 Response via : Initial Calibration



TIC: 03141315.D\data.ms

(3) Propanoic acid (T)

5.568min (+0.018) 0.61ug/ml

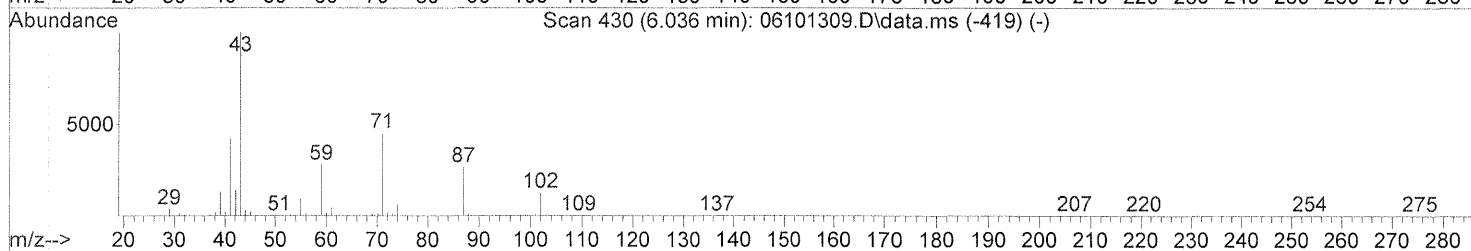
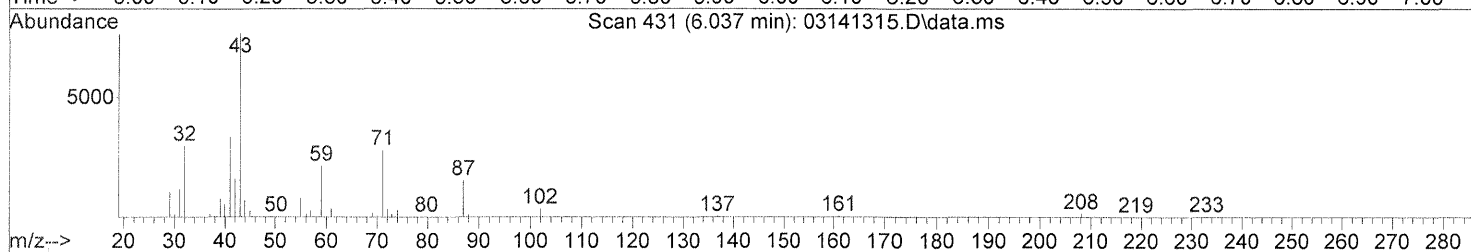
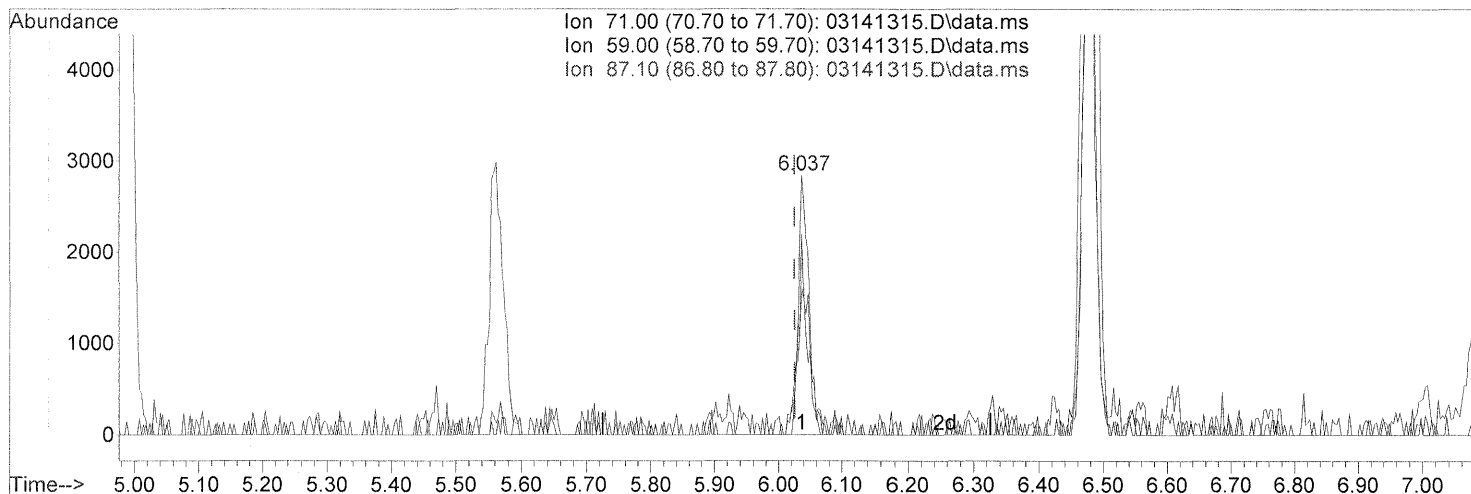
response 13521

Ion	Exp%	Act%
57.00	100	100
59.00	31.40	33.24
88.00	28.30	31.48
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : J:\MS14\DATA\ACIDS\2013_06\14\
 Data File : 03141315.D
 Acq On : 14 Jun 2013 2:52 pm
 Operator : EI
 Sample : P1302340-002 Front 1.0ml
 Misc :
 ALS Vial : 13 Sample Multiplier: 1

Quant Time: Jun 14 15:10:25 2013
 Quant Method : J:\MS14\METHODS\CA061013E.M
 Quant Title : Short Chain Carboxylic Acids in Air
 QLast Update : Tue Jun 11 08:53:59 2013
 Response via : Initial Calibration



TIC: 03141315.D\data.ms

(4) 2-Methylpropanoic acid (T)

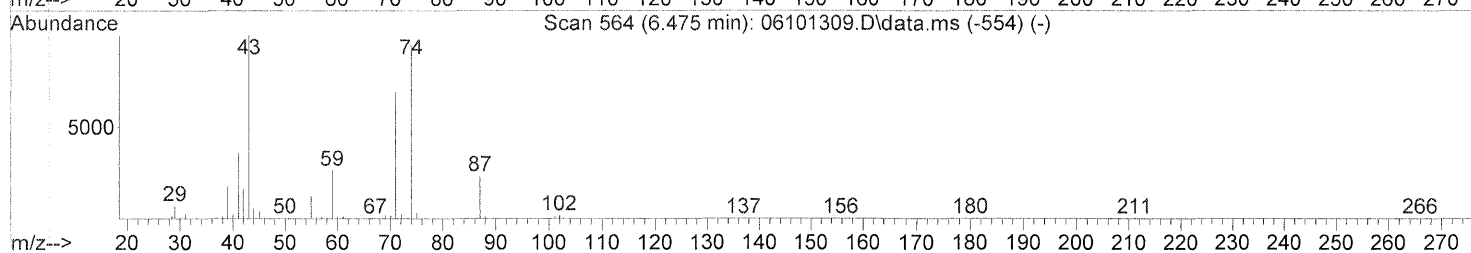
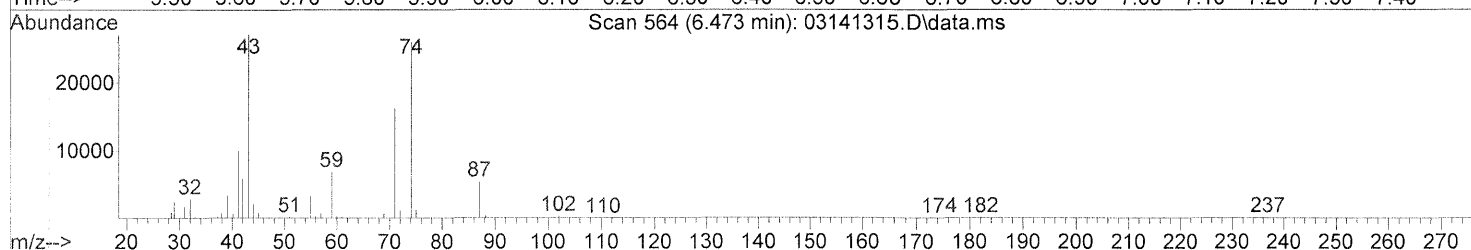
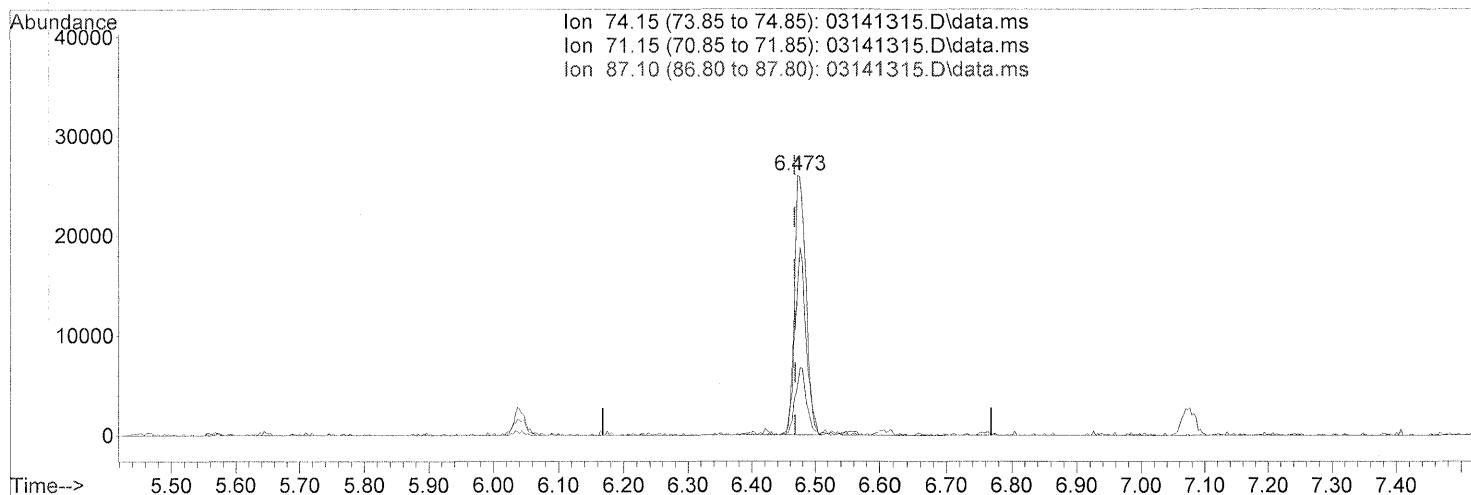
6.037min (+0.011) 0.26ug/ml

response 3383

Ion	Exp%	Act%
71.00	100	100
59.00	69.20	72.51
87.10	60.90	64.41
0.00	0.00	0.00

Data Path : J:\MS14\DATA\ACIDS\2013_06\14\
Data File : 03141315.D
Acq On : 14 Jun 2013 2:52 pm
Operator : EI
Sample : P1302340-002 Front 1.0ml
Misc :
ALS Vial : 13 Sample Multiplier: 1

Quant Time: Jun 14 15:10:25 2013
Quant Method : J:\MS14\METHODS\CA061013E.M
Quant Title : Short Chain Carboxylic Acids in Air
QLast Update : Tue Jun 11 08:53:59 2013
Response via : Initial Calibration



TIC: 03141315.D\data.ms

(5) Butanoic acid (T)

6.473min (+0.005) 1.56ug/ml

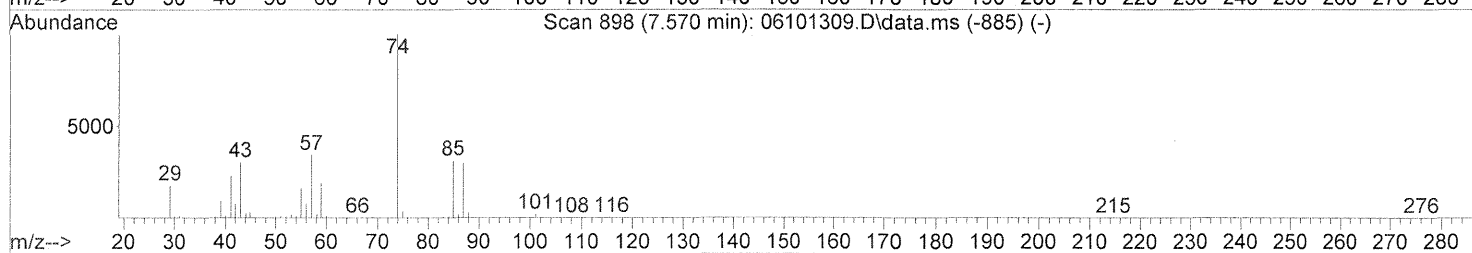
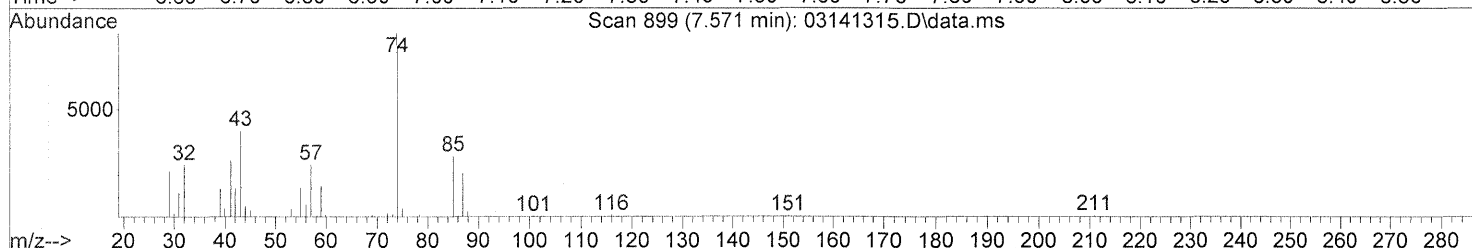
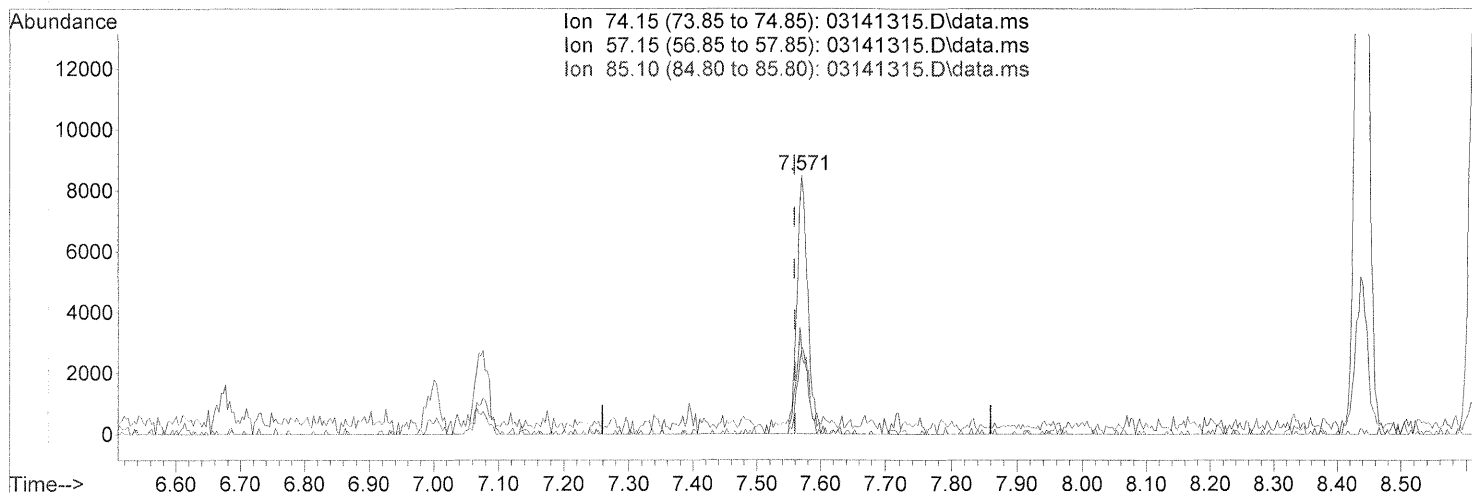
response 33434

Ion	Exp%	Act%
74.15	100	100
71.15	73.00	70.06
87.10	26.00	25.37
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : J:\MS14\DATA\ACIDS\2013_06\14\
 Data File : 03141315.D
 Acq On : 14 Jun 2013 2:52 pm
 Operator : EI
 Sample : P1302340-002 Front 1.0ml
 Misc :
 ALS Vial : 13 Sample Multiplier: 1

Quant Time: Jun 14 15:10:25 2013
 Quant Method : J:\MS14\METHODS\CA061013E.M
 Quant Title : Short Chain Carboxylic Acids in Air
 QLast Update : Tue Jun 11 08:53:59 2013
 Response via : Initial Calibration



TIC: 03141315.D\data.ms

(8) Pentanoic acid (T)

7.571min (+0.011) 0.28ug/ml

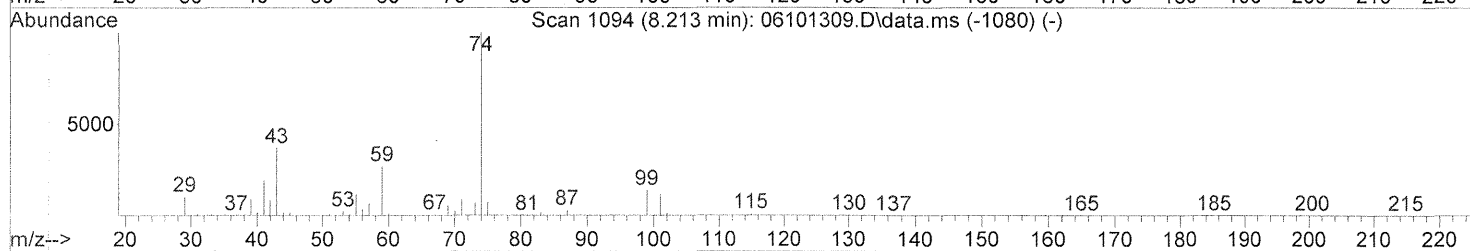
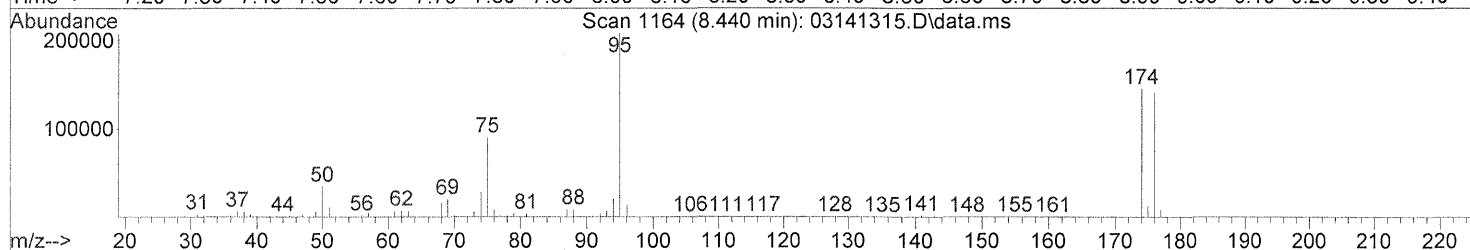
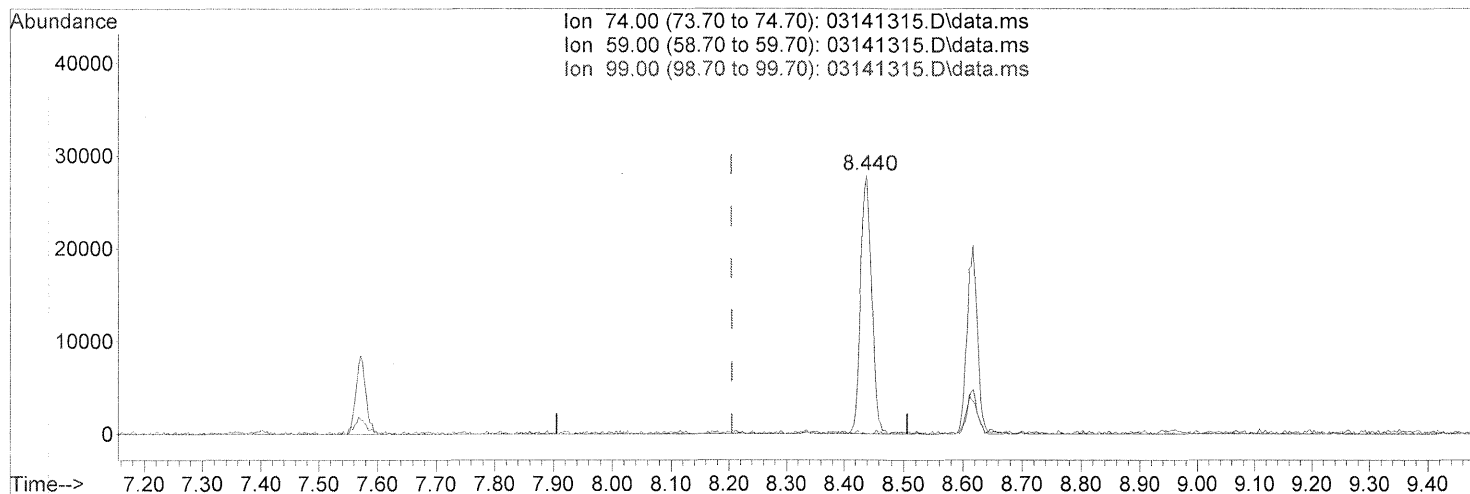
response 10093

Ion	Exp%	Act%
74.15	100	100
57.15	34.80	36.25
85.10	33.20	35.32
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : J:\MS14\DATA\ACIDS\2013_06\14\
 Data File : 03141315.D
 Acq On : 14 Jun 2013 2:52 pm
 Operator : EI
 Sample : P1302340-002 Front 1.0ml
 Misc :
 ALS Vial : 13 Sample Multiplier: 1

Quant Time: Jun 14 15:10:25 2013
 Quant Method : J:\MS14\METHODS\CA061013E.M
 Quant Title : Short Chain Carboxylic Acids in Air
 QLast Update : Tue Jun 11 08:53:59 2013
 Response via : Initial Calibration



TIC: 03141315.D\data.ms

(10) 3-Methylpentanoic acid (T)

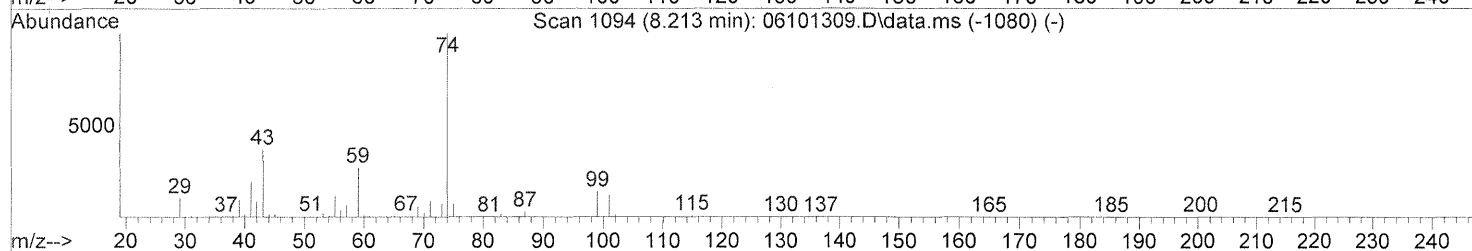
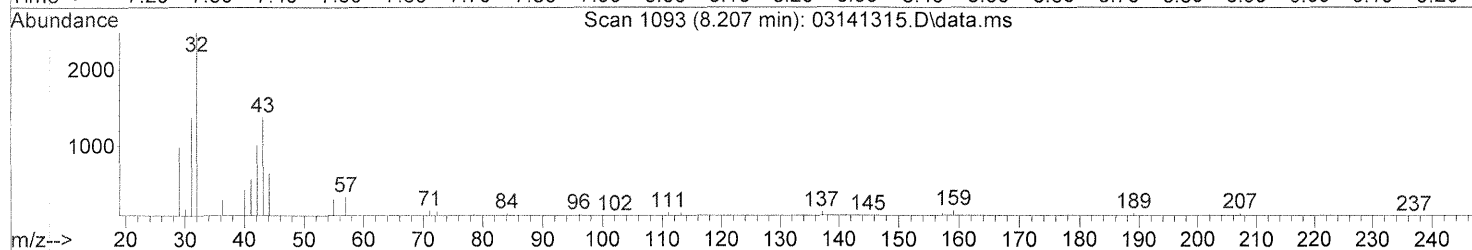
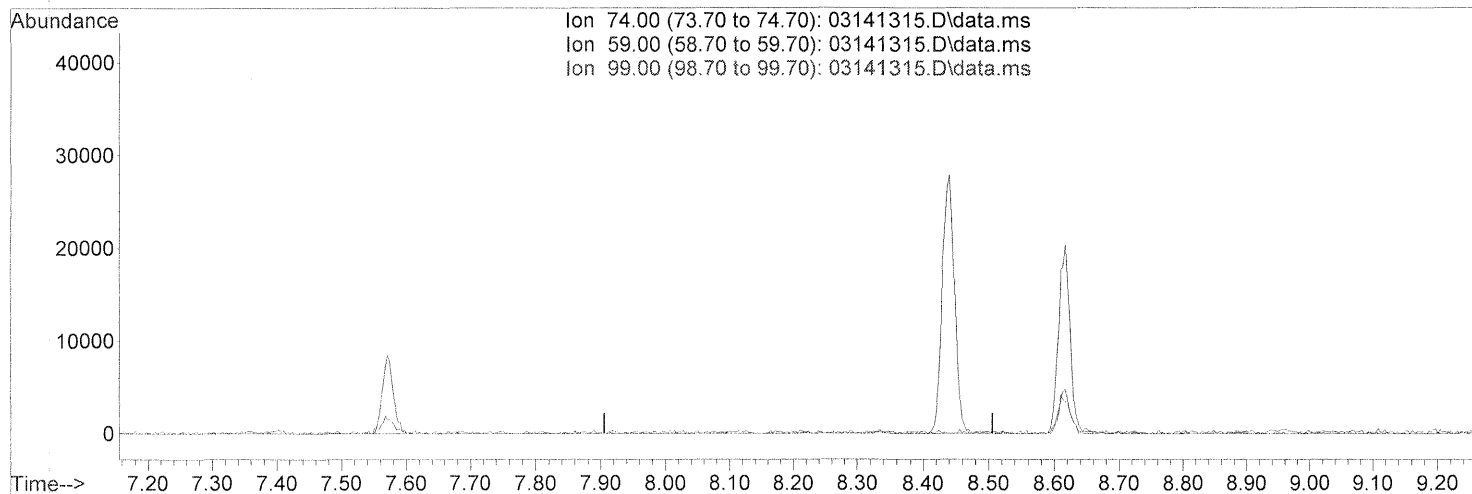
8.440min (+0.234) 0.68ug/ml

response 36578

Ion	Exp%	Act%
74.00	100	100
59.00	25.70	0.52#
99.00	14.20	0.00
0.00	0.00	0.00

Data Path : J:\MS14\DATA\ACIDS\2013_06\14\
 Data File : 03141315.D
 Acq On : 14 Jun 2013 2:52 pm
 Operator : EI
 Sample : P1302340-002 Front 1.0ml
 Misc :
 ALS Vial : 13 Sample Multiplier: 1

Quant Time: Jun 14 15:10:25 2013
 Quant Method : J:\MS14\METHODS\CA061013E.M
 Quant Title : Short Chain Carboxylic Acids in Air
 QLast Update : Tue Jun 11 08:53:59 2013
 Response via : Initial Calibration



TIC: 03141315.D\data.ms

(10) 3-Methylpentanoic acid (T)

8.206min 0.00ug/ml d

response 0

Ion	Exp%	Act%
74.00	100	0.00
59.00	25.70	0.00
99.00	14.20	0.00
0.00	0.00	0.00

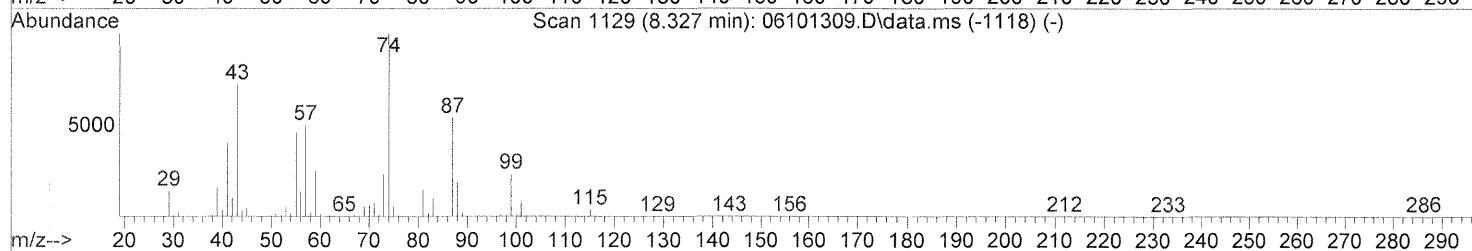
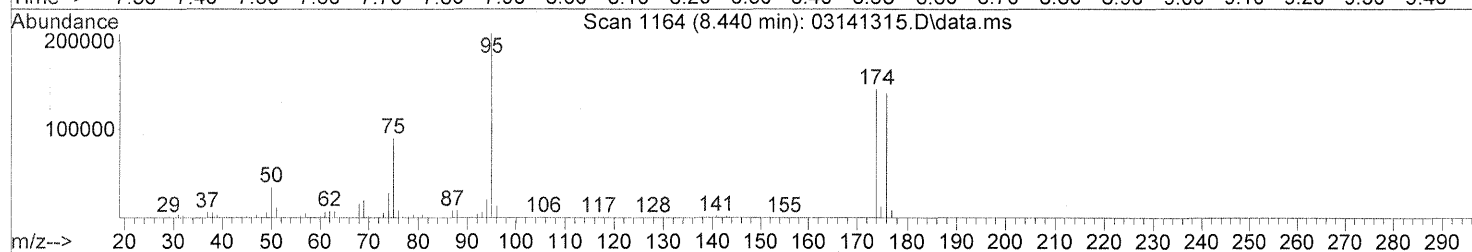
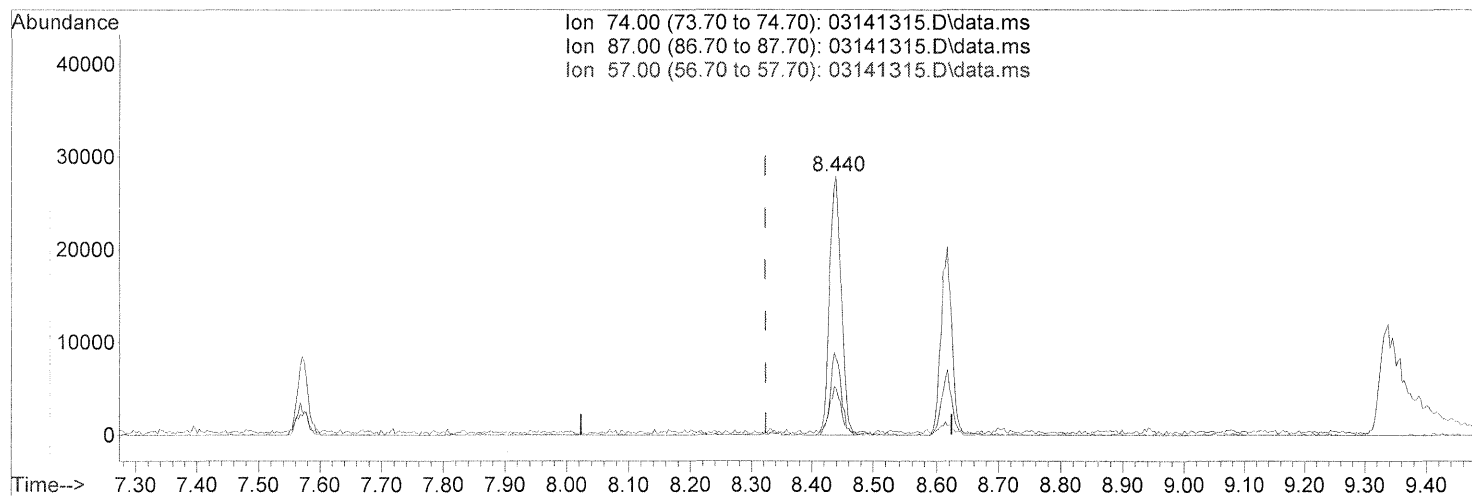
FP 6/14/13
 ED

uc 6/17/13

Quantitation Report (Qedit)

Data Path : J:\MS14\DATA\ACIDS\2013_06\14\
 Data File : 03141315.D
 Acq On : 14 Jun 2013 2:52 pm
 Operator : EI
 Sample : P1302340-002 Front 1.0ml
 Misc :
 ALS Vial : 13 Sample Multiplier: 1

Quant Time: Jun 14 15:10:25 2013
 Quant Method : J:\MS14\METHODS\CA061013E.M
 Quant Title : Short Chain Carboxylic Acids in Air
 QLast Update : Tue Jun 11 08:53:59 2013
 Response via : Initial Calibration



TIC: 03141315.D\data.ms

(11) 4-Methylpentanoic acid (T)

8.440min (+0.116) 1.30ug/ml

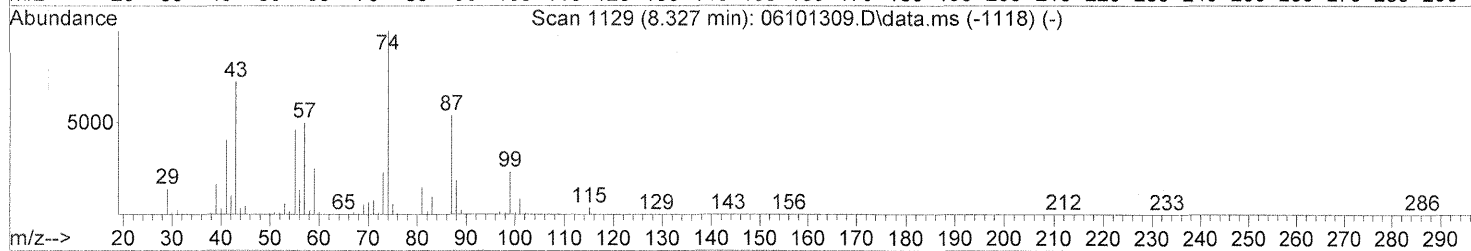
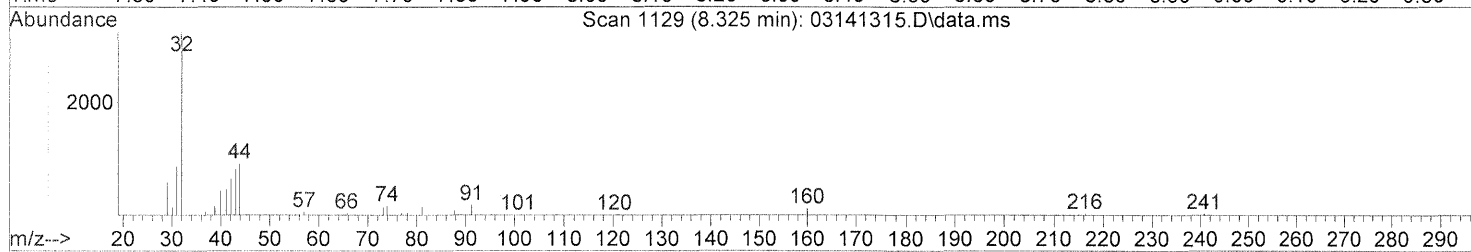
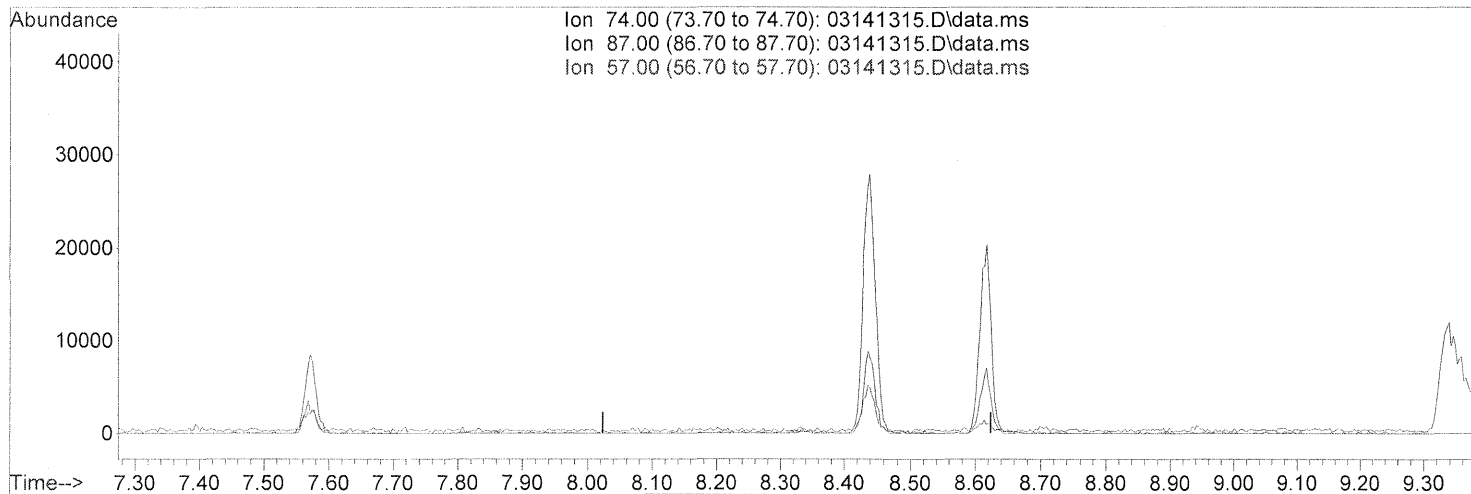
response 36578

Ion	Exp%	Act%
74.00	100	100
87.00	54.70	29.61#
57.00	48.10	17.66#
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : J:\MS14\DATA\ACIDS\2013_06\14\
 Data File : 03141315.D
 Acq On : 14 Jun 2013 2:52 pm
 Operator : EI
 Sample : P1302340-002 Front 1.0ml
 Misc :
 ALS Vial : 13 Sample Multiplier: 1

Quant Time: Jun 14 15:10:25 2013
 Quant Method : J:\MS14\METHODS\CA061013E.M
 Quant Title : Short Chain Carboxylic Acids in Air
 QLast Update : Tue Jun 11 08:53:59 2013
 Response via : Initial Calibration



TIC: 03141315.D\data.ms

(11) 4-Methylpentanoic acid (T)

8.324min 0.00ug/ml d

response 0

Ion	Exp%	Act%
74.00	100	0.00
87.00	54.70	0.00
57.00	48.10	0.00
0.00	0.00	0.00

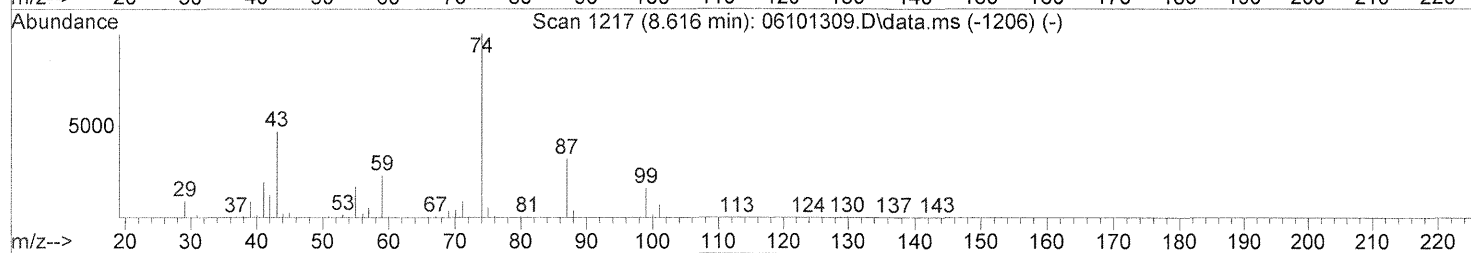
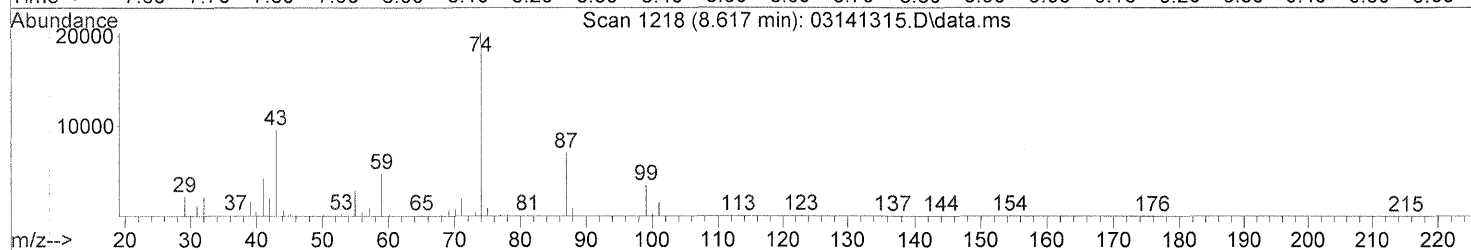
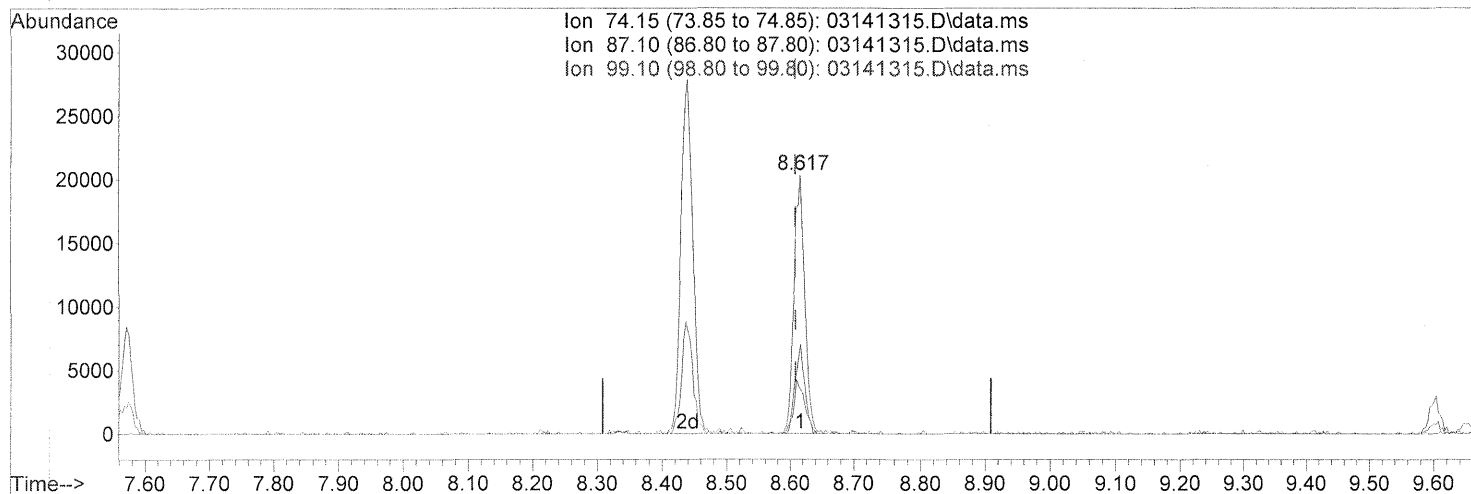
FP 6/14/13
 ET

UH 6/17/13

Quantitation Report (Qedit)

Data Path : J:\MS14\DATA\ACIDS\2013_06\14\
 Data File : 03141315.D
 Acq On : 14 Jun 2013 2:52 pm
 Operator : EI
 Sample : P1302340-002 Front 1.0ml
 Misc :
 ALS Vial : 13 Sample Multiplier: 1

Quant Time: Jun 14 15:10:25 2013
 Quant Method : J:\MS14\METHODS\CA061013E.M
 Quant Title : Short Chain Carboxylic Acids in Air
 QLast Update : Tue Jun 11 08:53:59 2013
 Response via : Initial Calibration



TIC: 03141315.D\data.ms

(12) Hexanoic acid (T)

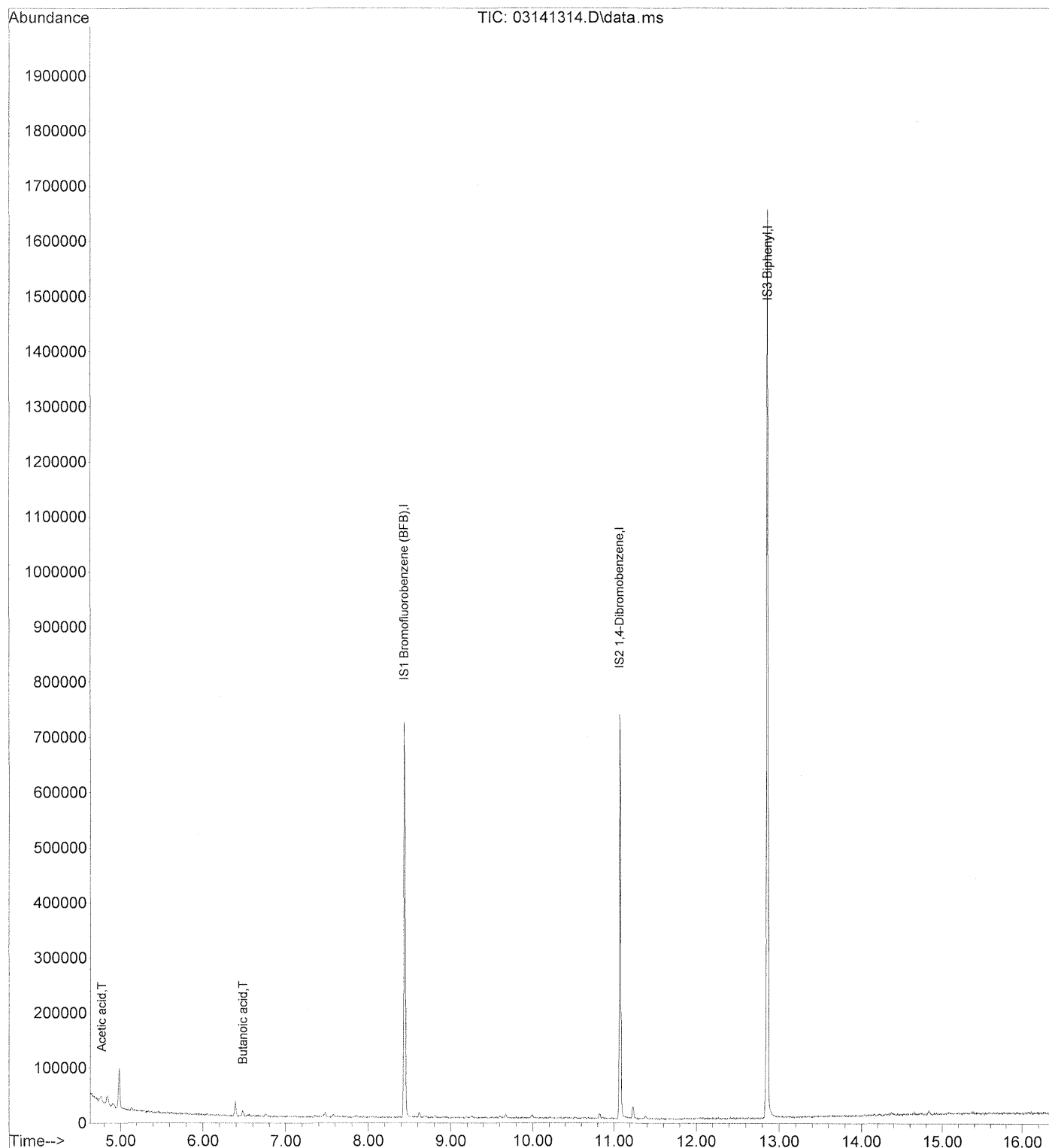
8.617min (+0.008) 0.51ug/ml

response 24794

Ion	Exp%	Act%
74.15	100	100
87.10	30.70	32.03
99.10	17.70	20.57
0.00	0.00	0.00

Data Path : J:\MS14\DATA\ACIDS\2013_06\14\
Data File : 03141314.D
Acq On : 14 Jun 2013 2:30 pm
Operator : EI
Sample : P1302340-002 Back 1.0ml
Misc :
ALS Vial : 12 Sample Multiplier: 1

Quant Time: Jun 14 15:03:52 2013
Quant Method : J:\MS14\METHODS\CA061013E.M
Quant Title : Short Chain Carboxylic Acids in Air
QLast Update : Tue Jun 11 08:53:59 2013
Response via : Initial Calibration



Data Path : J:\MS14\DATA\ACIDS\2013_06\14\
 Data File : 03141314.D
 Acq On : 14 Jun 2013 2:30 pm
 Operator : EI
 Sample : P1302340-002 Back 1.0ml
 Misc :
 ALS Vial : 12 Sample Multiplier: 1

6/14/13

EC

Quant Time: Jun 14 15:03:52 2013
 Quant Method : J:\MS14\METHODS\CA061013E.M
 Quant Title : Short Chain Carboxylic Acids in Air
 QLast Update : Tue Jun 11 08:53:59 2013
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev (Min)
1) IS1 Bromofluorobenzene...	8.44	95	218253	10.00	ug/ml	0.00
13) IS2 1,4-Dibromobenzene	11.07	236	144756	10.00	ug/ml	0.00
19) IS3 Biphenyl	12.85	154	694161	10.00	ug/ml	0.00

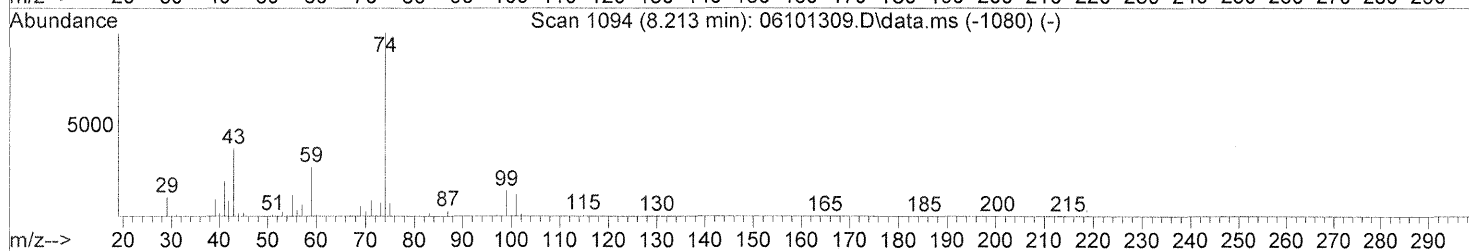
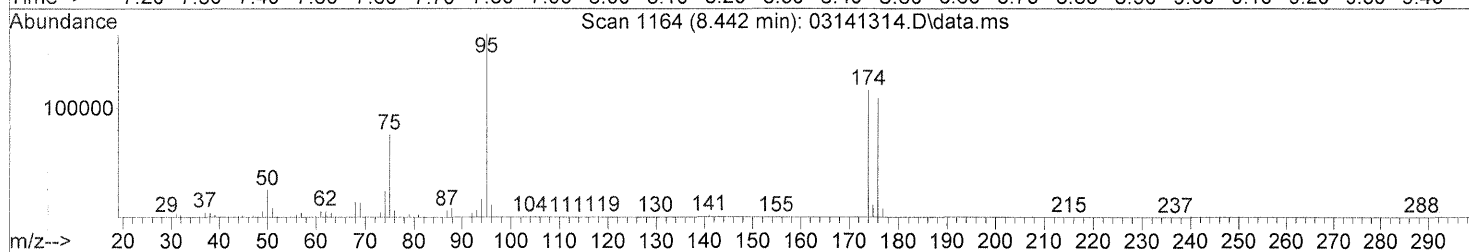
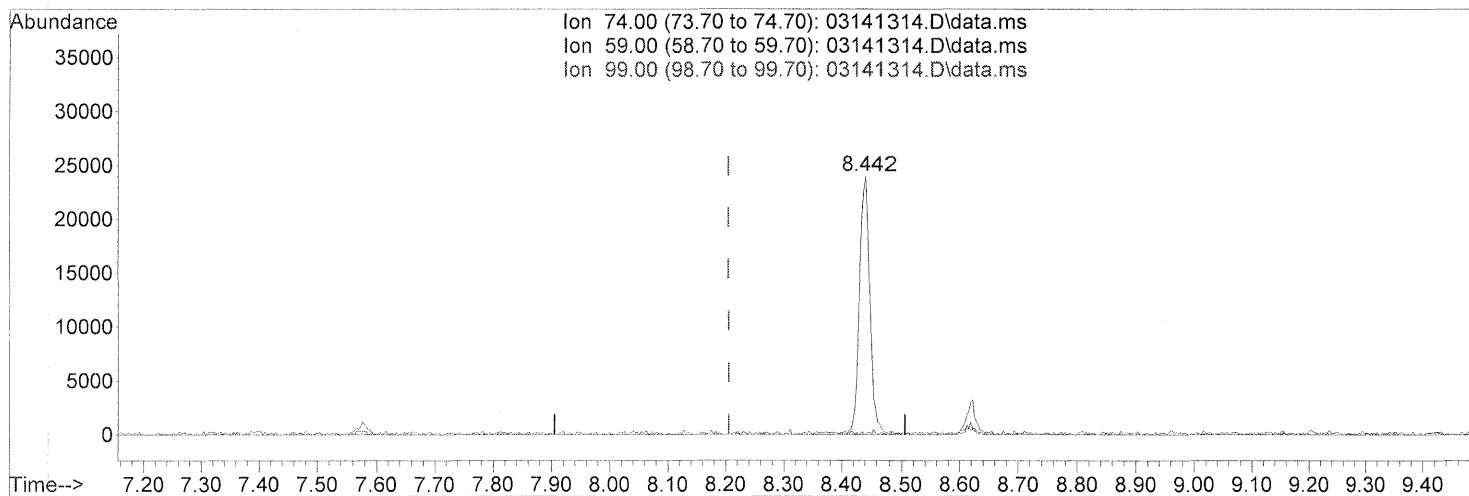
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Acetic acid	4.77	74	650	0.24	ug/ml#	1
3) Propanoic acid	5.57	57	251	N.D.		
4) 2-Methylpropanoic acid	6.16	71	50	N.D.		
5) Butanoic acid	6.48	74	3035	0.17	ug/ml	89
6) 2-Methylbutanoic acid	7.00	88	70	N.D.		
7) 3-Methylbutanoic acid	7.19	74	53	N.D.		
8) Pentanoic acid	7.58	74	1319	N.D.		
9) 2-Methylpentanoic acid	8.00	88	21	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	8.62	74	3407	N.D.		
14) Heptanoic acid	9.60	74	863	N.D.		
15) 2-Ethylhexanoic acid	9.65	87	406	N.D.		
16) Cyclohexanecarboxylic ...	10.15	55	33	N.D.		
17) Octanoic acid	10.52	74	1268	N.D.		
18) Benzoic acid	10.83	105	118	N.D.		
20) Nonanoic acid	11.38	74	1946	N.D.		
21) Decanoic Acid	12.19	74	201	N.D.		

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

Quantitation Report (Qedit)

Data Path : J:\MS14\DATA\ACIDS\2013_06\14\
 Data File : 03141314.D
 Acq On : 14 Jun 2013 2:30 pm
 Operator : EI
 Sample : P1302340-002 Back 1.0ml
 Misc :
 ALS Vial : 12 Sample Multiplier: 1

Quant Time: Jun 14 15:03:16 2013
 Quant Method : J:\MS14\METHODS\CA061013E.M
 Quant Title : Short Chain Carboxylic Acids in Air
 QLast Update : Tue Jun 11 08:53:59 2013
 Response via : Initial Calibration



TIC: 03141314.D\data.ms

(10) 3-Methylpentanoic acid (T)

8.442min (+0.236) 0.66ug/ml

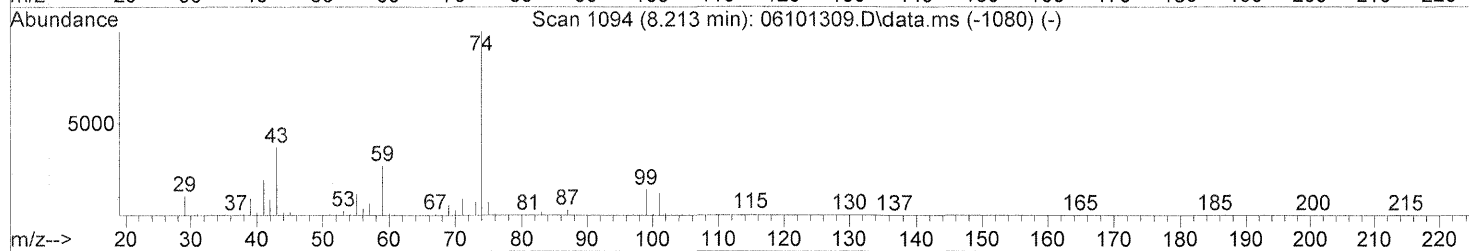
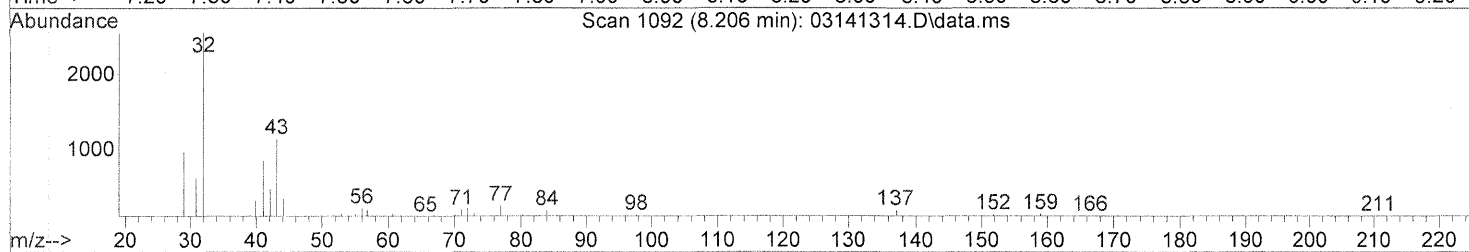
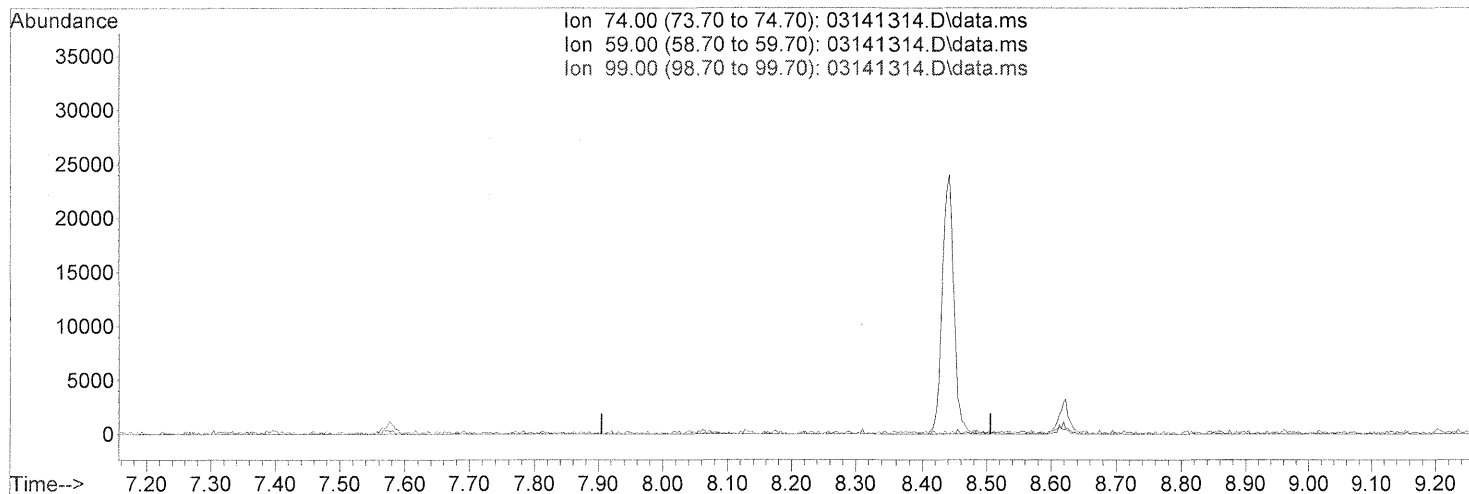
response 29913

Ion	Exp%	Act%
74.00	100	100
59.00	25.70	0.27#
99.00	14.20	0.00
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : J:\MS14\DATA\ACIDS\2013_06\14\
 Data File : 03141314.D
 Acq On : 14 Jun 2013 2:30 pm
 Operator : EI
 Sample : P1302340-002 Back 1.0ml
 Misc :
 ALS Vial : 12 Sample Multiplier: 1

Quant Time: Jun 14 15:03:16 2013
 Quant Method : J:\MS14\METHODS\CA061013E.M
 Quant Title : Short Chain Carboxylic Acids in Air
 QLast Update : Tue Jun 11 08:53:59 2013
 Response via : Initial Calibration



TIC: 03141314.D\data.ms

(10) 3-Methylpentanoic acid (T)

8.206min 0.00ug/ml d

response 0

Ion	Exp%	Act%
74.00	100	0.00
59.00	25.70	0.00
99.00	14.20	0.00
0.00	0.00	0.00

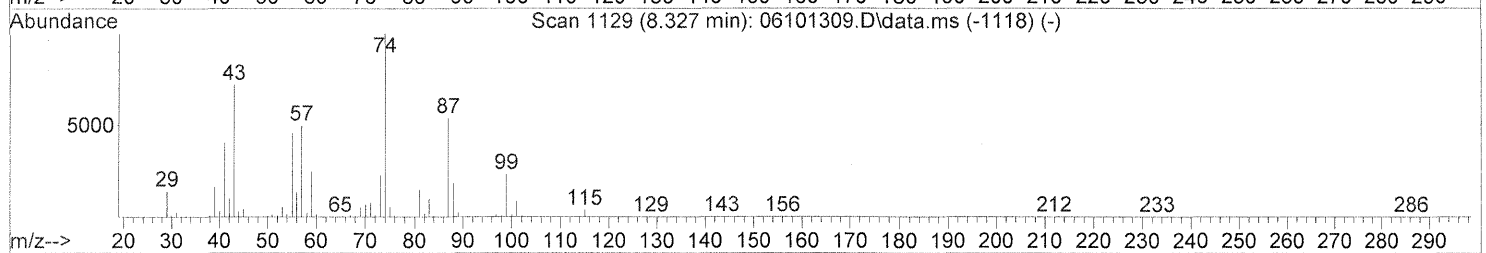
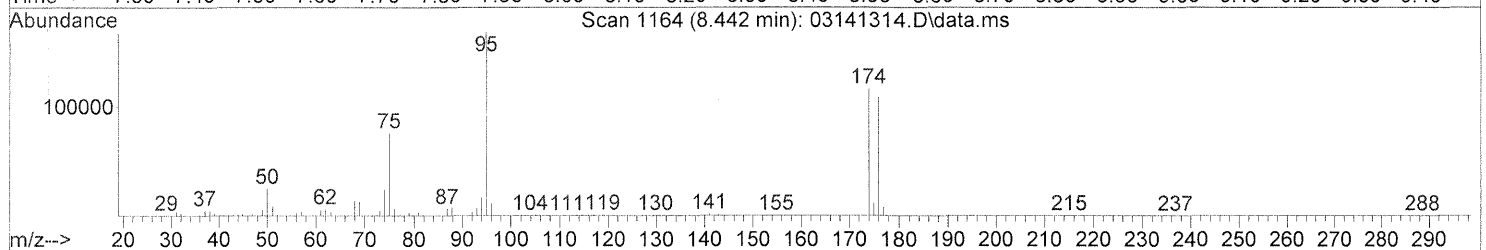
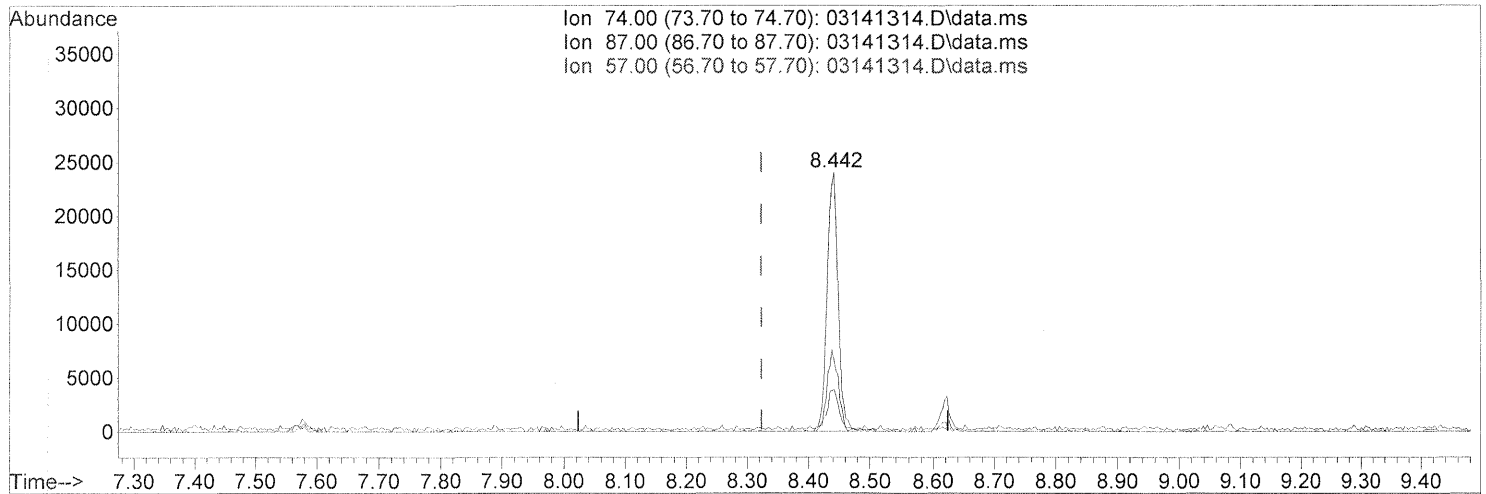
FP 6/14/13
 EI

UH 6/17/13

Quantitation Report (Qedit)

Data Path : J:\MS14\DATA\ACIDS\2013_06\14\
 Data File : 03141314.D
 Acq On : 14 Jun 2013 2:30 pm
 Operator : EI
 Sample : P1302340-002 Back 1.0ml
 Misc :
 ALS Vial : 12 Sample Multiplier: 1

Quant Time: Jun 14 15:03:16 2013
 Quant Method : J:\MS14\METHODS\CA061013E.M
 Quant Title : Short Chain Carboxylic Acids in Air
 QLast Update : Tue Jun 11 08:53:59 2013
 Response via : Initial Calibration



TIC: 03141314.D\data.ms

(11) 4-Methylpentanoic acid (T)

8.442min (+0.118) 1.28ug/ml

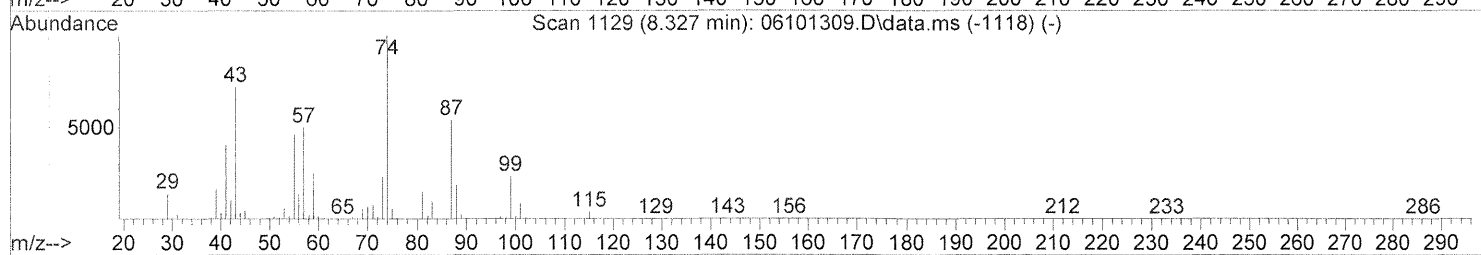
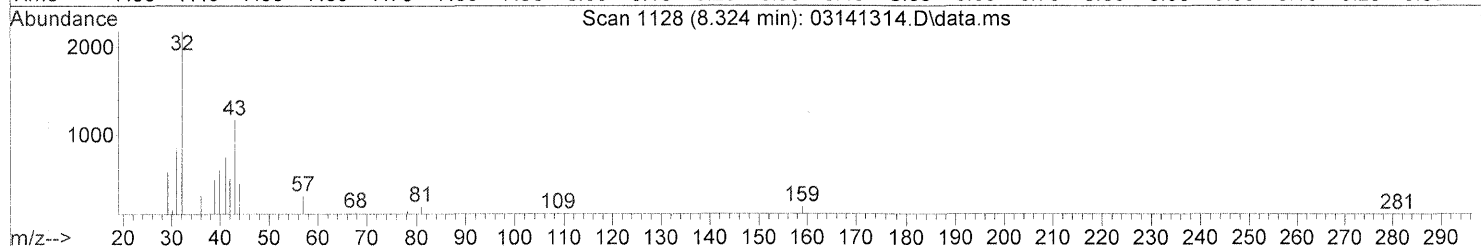
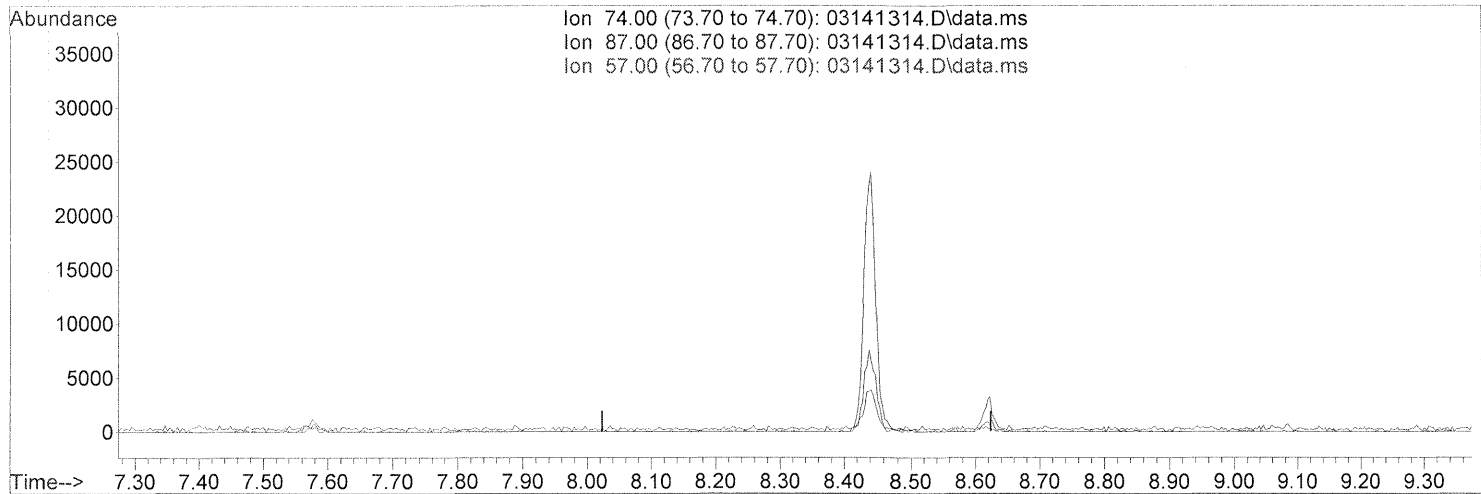
response 29913

Ion	Exp%	Act%
74.00	100	100
87.00	54.70	31.96#
57.00	48.10	16.58#
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : J:\MS14\DATA\ACIDS\2013_06\14\
 Data File : 03141314.D
 Acq On : 14 Jun 2013 2:30 pm
 Operator : EI
 Sample : P1302340-002 Back 1.0ml
 Misc :
 ALS Vial : 12 Sample Multiplier: 1

Quant Time: Jun 14 15:03:16 2013
 Quant Method : J:\MS14\METHODS\CA061013E.M
 Quant Title : Short Chain Carboxylic Acids in Air
 QLast Update : Tue Jun 11 08:53:59 2013
 Response via : Initial Calibration



TIC: 03141314.D\data.ms

(11) 4-Methylpentanoic acid (T)

8.324min 0.00ug/ml d

response 0

Ion	Exp%	Act%
74.00	100	0.00
87.00	54.70	0.00
57.00	48.10	0.00
0.00	0.00	0.00

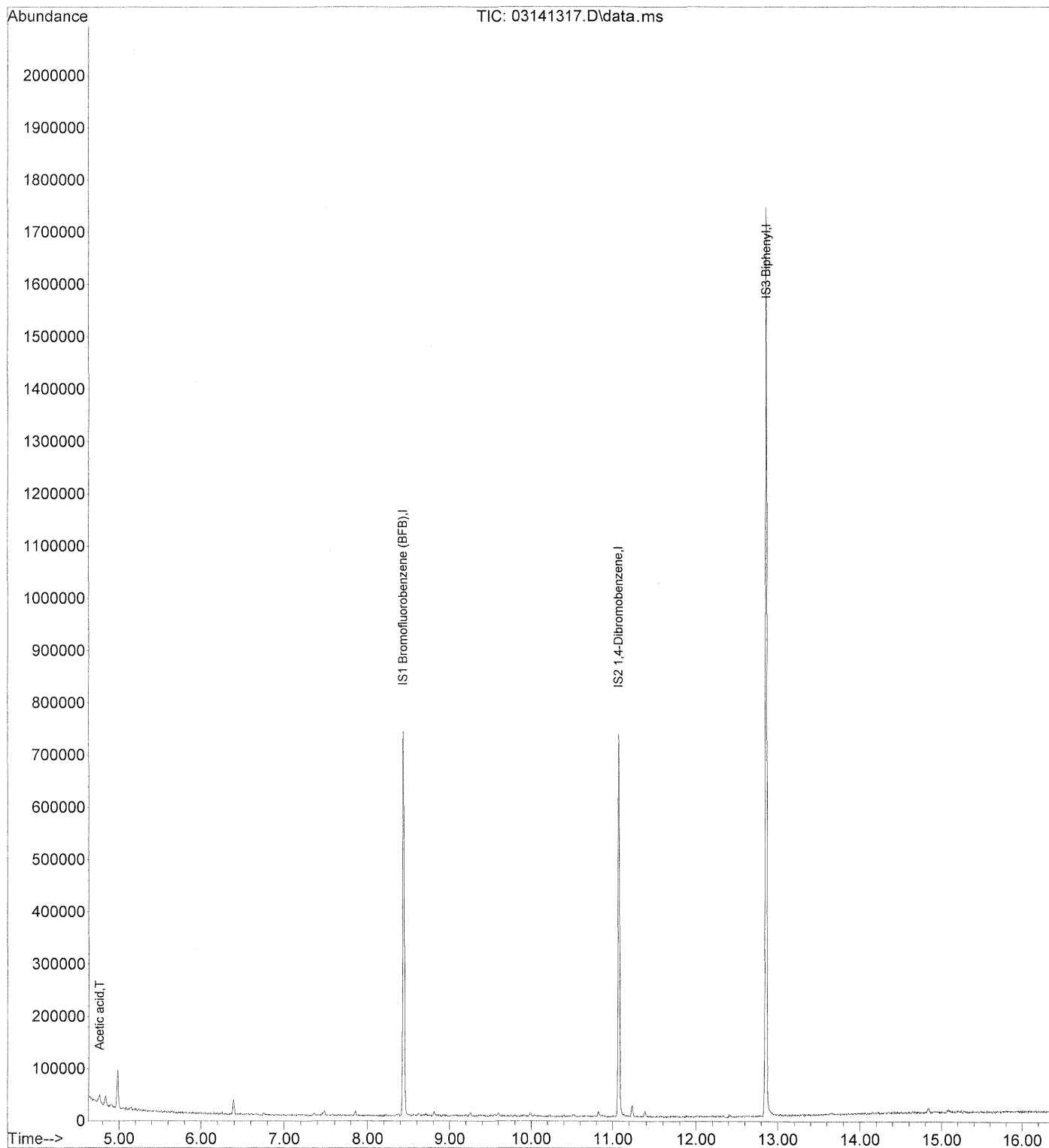
FP 6/14/13

EI

in 6/17/13

Data Path : J:\MS14\DATA\ACIDS\2013_06\14\
Data File : 03141317.D
Acq On : 14 Jun 2013 3:36 pm
Operator : EI
Sample : P1302340-003 Front 1.0ml
Misc :
ALS Vial : 15 Sample Multiplier: 1

Quant Time: Jun 14 15:54:40 2013
Quant Method : J:\MS14\METHODS\CA061013E.M
Quant Title : Short Chain Carboxylic Acids in Air
QLast Update : Tue Jun 11 08:53:59 2013
Response via : Initial Calibration



Data Path : J:\MS14\DATA\ACIDS\2013_06\14\
Data File : 03141317.D
Acq On : 14 Jun 2013 3:36 pm
Operator : EI
Sample : P1302340-003 Front 1.0ml
Misc :
ALS Vial : 15 Sample Multiplier: 1

6/14/13
EI

Quant Time: Jun 14 15:54:40 2013
Quant Method : J:\MS14\METHODS\CA061013E.M
Quant Title : Short Chain Carboxylic Acids in Air
QLast Update : Tue Jun 11 08:53:59 2013
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) IS1 Bromofluorobenzene...	8.44	95	219546	10.00	ug/ml	0.00
13) IS2 1,4-Dibromobenzene	11.08	236	147753	10.00	ug/ml	0.00
19) IS3 Biphenyl	12.85	154	741883	10.00	ug/ml	0.00

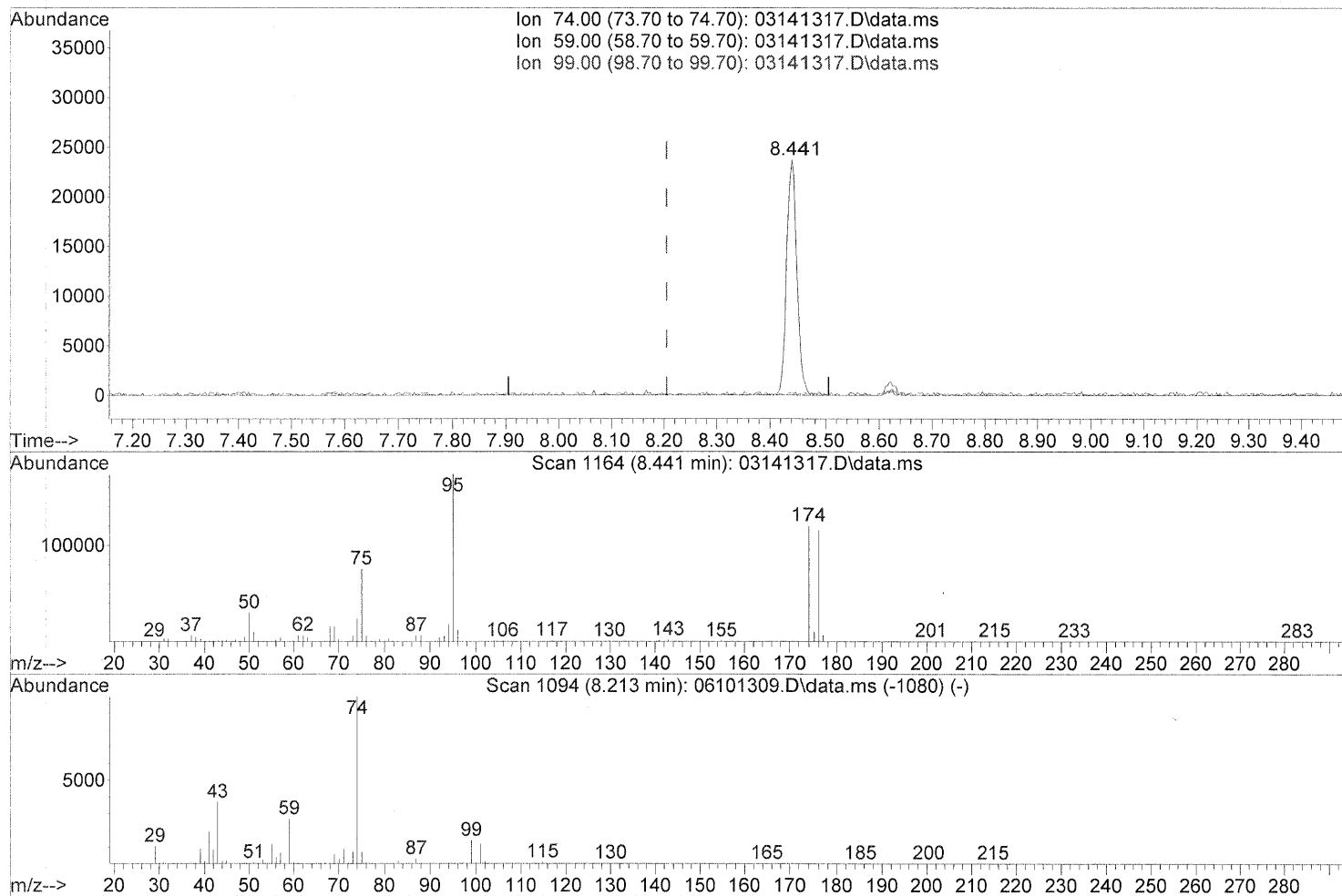
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Acetic acid	4.76	74	1579	0.59	ug/ml#	1
3) Propanoic acid	5.71	57	291	N.D.		
4) 2-Methylpropanoic acid	6.17	71	49	N.D.		
5) Butanoic acid	6.41	74	46	N.D.		
6) 2-Methylbutanoic acid	6.99	88	42	N.D.		
7) 3-Methylbutanoic acid	7.05	74	26	N.D.		
8) Pentanoic acid	7.57	74	179	N.D.		
9) 2-Methylpentanoic acid	8.00	88	35	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	9.60	74	904	N.D.		
15) 2-Ethylhexanoic acid	9.65	87	143	N.D.		
16) Cyclohexanecarboxylic ...	10.17	55	113	N.D.		
17) Octanoic acid	10.52	74	1555	N.D.		
18) Benzoic acid	10.84	105	521	N.D.		
20) Nonanoic acid	11.38	74	3591	N.D.		
21) Decanoic Acid	12.20	74	47	N.D.		

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

Quantitation Report (Qedit)

Data Path : J:\MS14\DATA\ACIDS\2013_06\14\
 Data File : 03141317.D
 Acq On : 14 Jun 2013 3:36 pm
 Operator : EI
 Sample : P1302340-003 Front 1.0ml
 Misc :
 ALS Vial : 15 Sample Multiplier: 1

Quant Time: Jun 14 15:53:52 2013
 Quant Method : J:\MS14\METHODS\CA061013E.M
 Quant Title : Short Chain Carboxylic Acids in Air
 QLast Update : Tue Jun 11 08:53:59 2013
 Response via : Initial Calibration



TIC: 03141317.D\data.ms

(10) 3-Methylpentanoic acid (T)

8.441min (+0.235) 0.67ug/ml

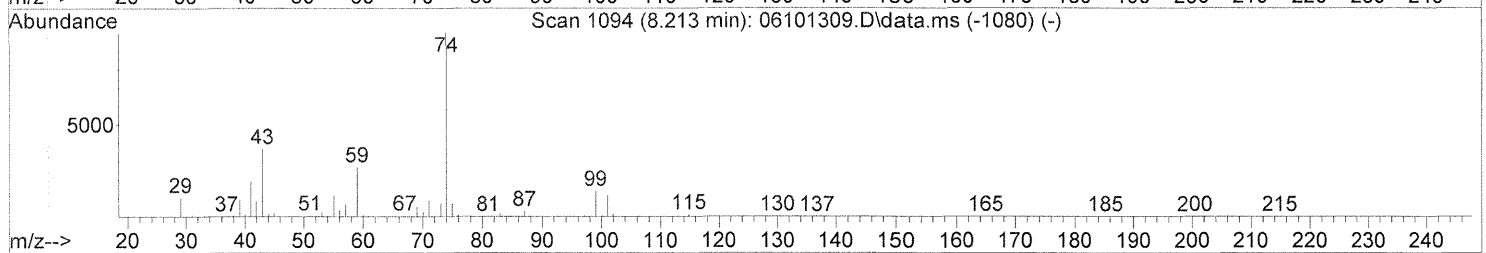
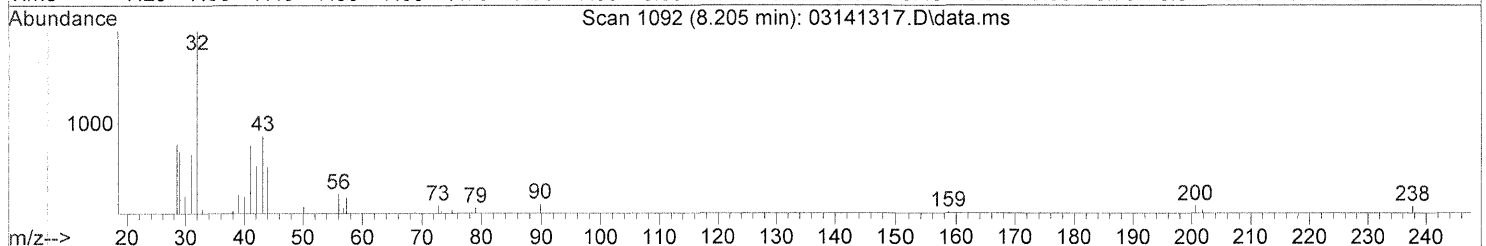
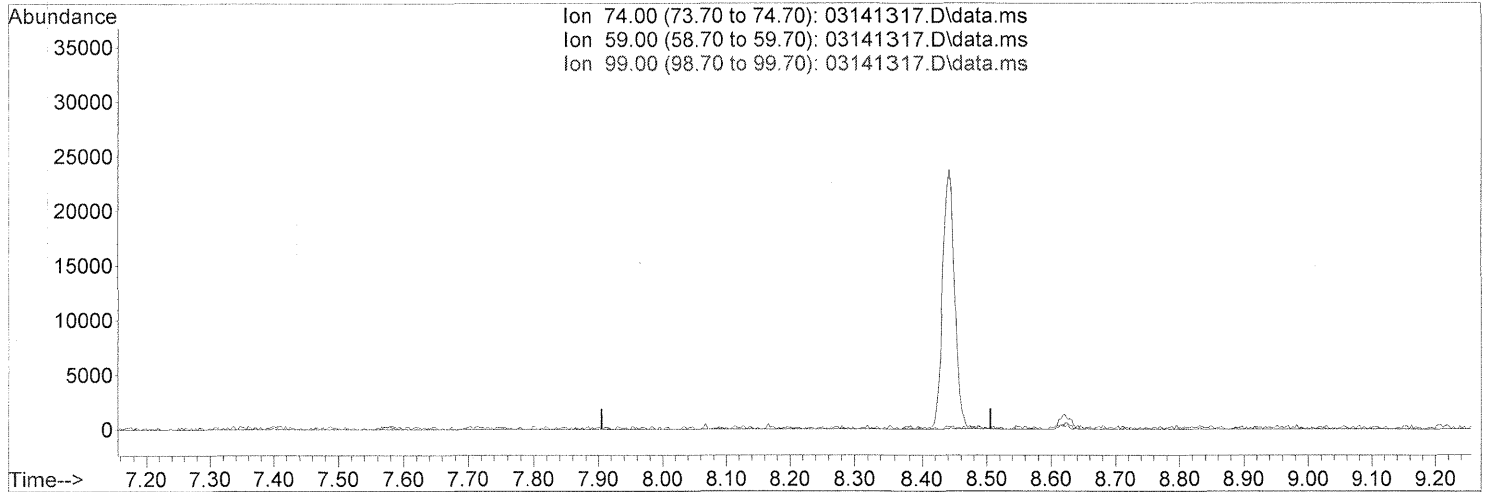
response 30457

Ion	Exp%	Act%
74.00	100	100
59.00	25.70	0.76#
99.00	14.20	0.08
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : J:\MS14\DATA\ACIDS\2013_06\14\
 Data File : 03141317.D
 Acq On : 14 Jun 2013 3:36 pm
 Operator : EI
 Sample : P1302340-003 Front 1.0ml
 Misc :
 ALS Vial : 15 Sample Multiplier: 1

Quant Time: Jun 14 15:53:52 2013
 Quant Method : J:\MS14\METHODS\CA061013E.M
 Quant Title : Short Chain Carboxylic Acids in Air
 QLast Update : Tue Jun 11 08:53:59 2013
 Response via : Initial Calibration



TIC: 03141317.D\data.ms

(10) 3-Methylpentanoic acid (T)

8.206min 0.00ug/ml d

response 0

Ion	Exp%	Act%
74.00	100	0.00
59.00	25.70	0.00
99.00	14.20	0.00
0.00	0.00	0.00

FP

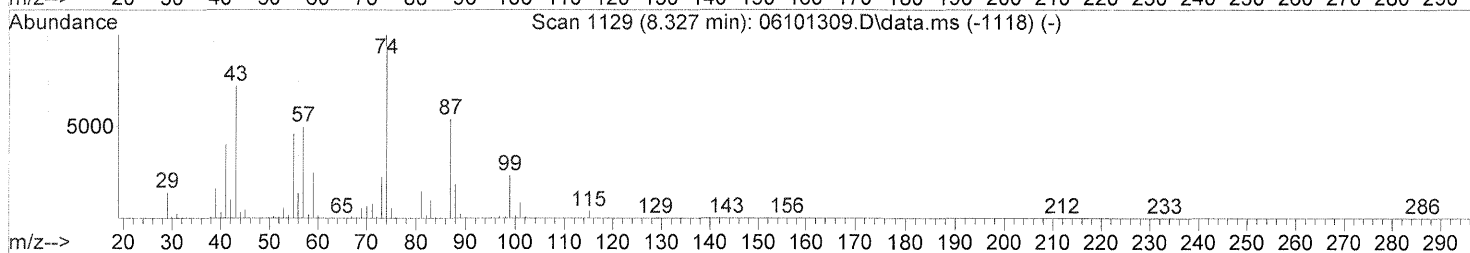
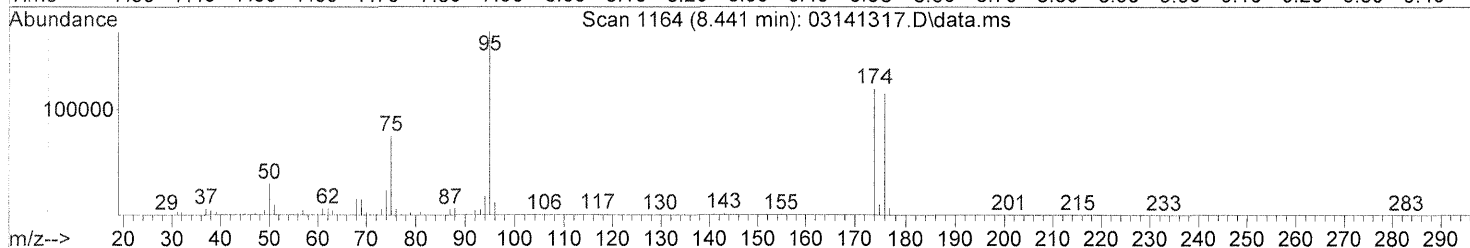
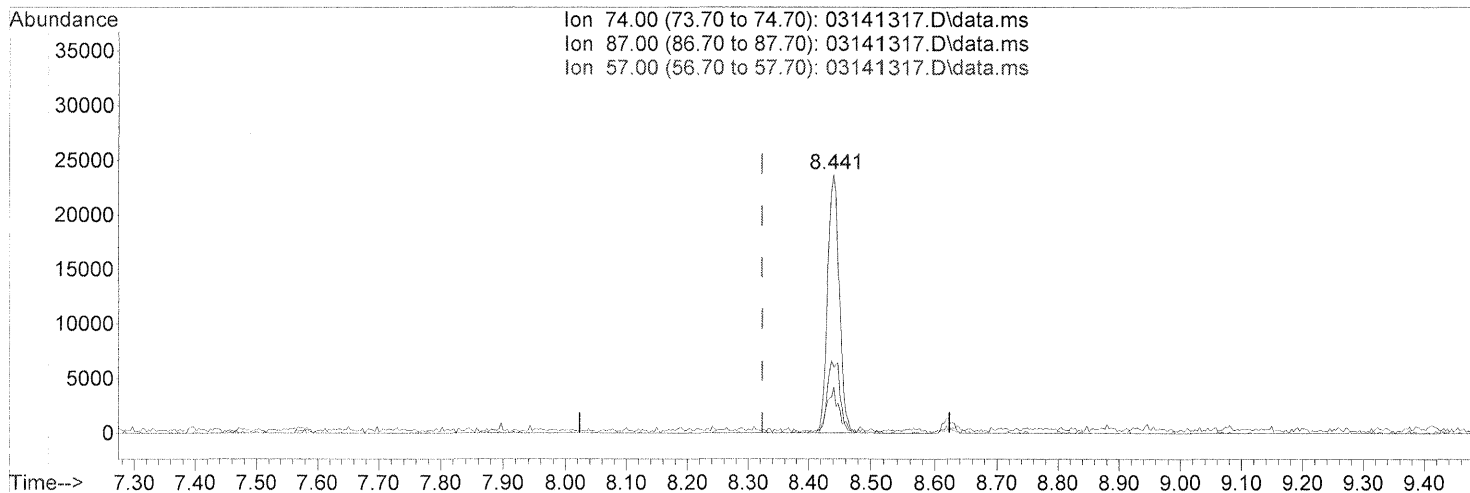
ET

6/14/13
 6/12/13

Quantitation Report (Qedit)

Data Path : J:\MS14\DATA\ACIDS\2013_06\14\
 Data File : 03141317.D
 Acq On : 14 Jun 2013 3:36 pm
 Operator : EI
 Sample : P1302340-003 Front 1.0ml
 Misc :
 ALS Vial : 15 Sample Multiplier: 1

Quant Time: Jun 14 15:53:52 2013
 Quant Method : J:\MS14\METHODS\CA061013E.M
 Quant Title : Short Chain Carboxylic Acids in Air
 QLast Update : Tue Jun 11 08:53:59 2013
 Response via : Initial Calibration



TIC: 03141317.D\data.ms

(11) 4-Methylpentanoic acid (T)

8.441min (+0.117) 1.29ug/ml

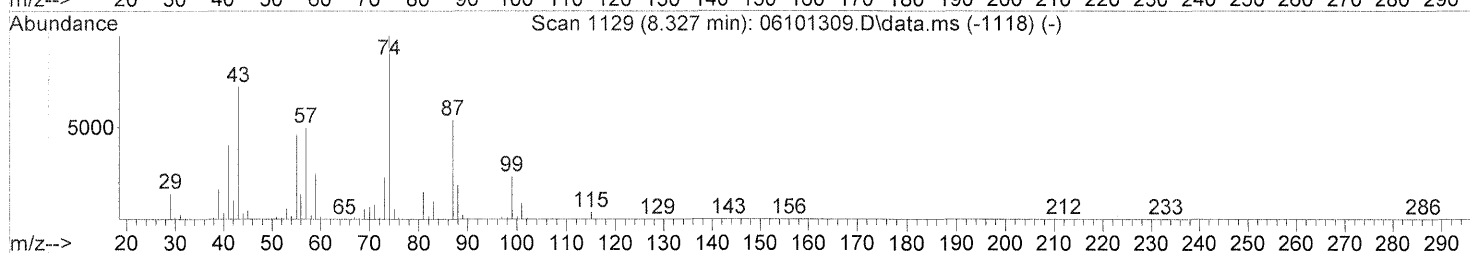
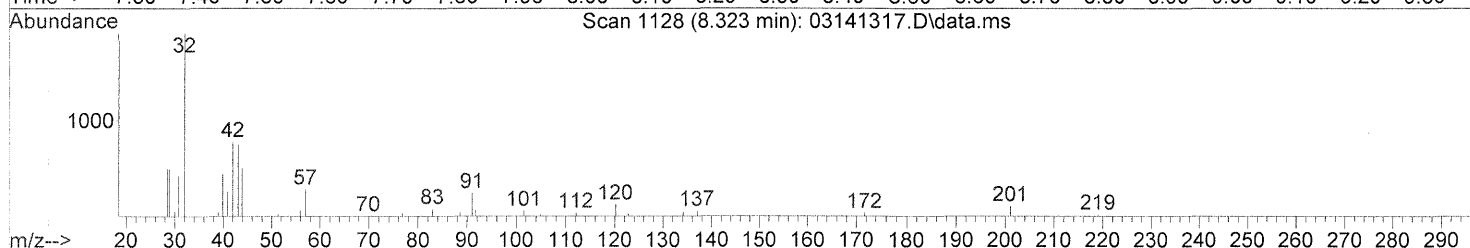
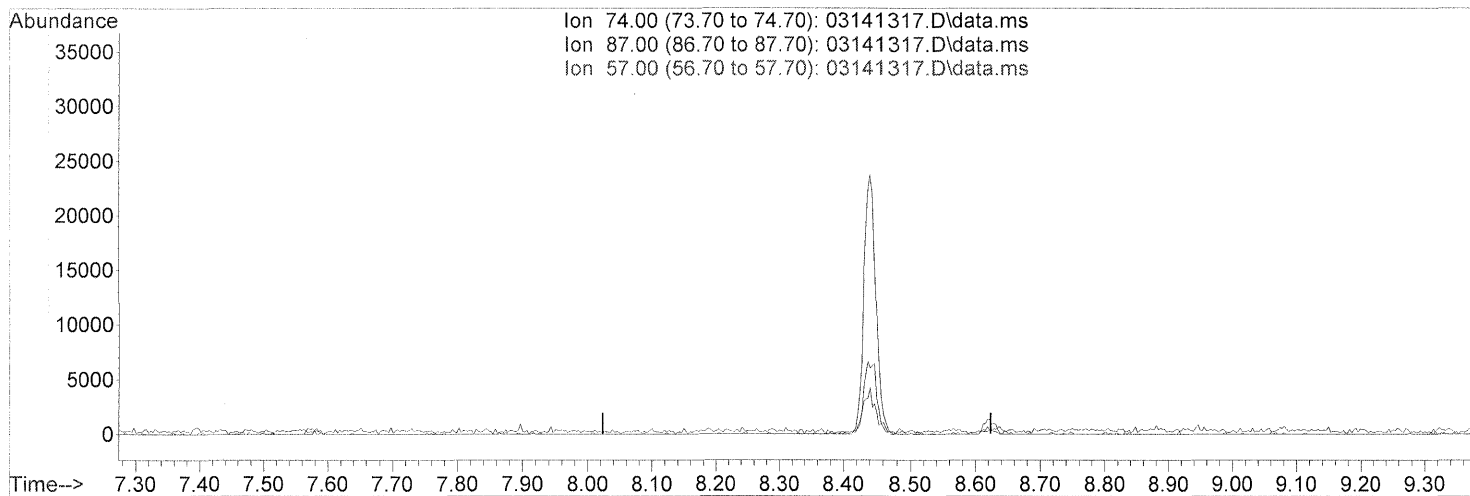
response 30457

Ion	Exp%	Act%
74.00	100	100
87.00	54.70	30.26#
57.00	48.10	18.61#
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : J:\MS14\DATA\ACIDS\2013_06\14\
 Data File : 03141317.D
 Acq On : 14 Jun 2013 3:36 pm
 Operator : EI
 Sample : P1302340-003 Front 1.0ml
 Misc :
 ALS Vial : 15 Sample Multiplier: 1

Quant Time: Jun 14 15:53:52 2013
 Quant Method : J:\MS14\METHODS\CA061013E.M
 Quant Title : Short Chain Carboxylic Acids in Air
 QLast Update : Tue Jun 11 08:53:59 2013
 Response via : Initial Calibration



TIC: 03141317.D\data.ms

(11) 4-Methylpentanoic acid (T)

8.324min 0.00ug/ml d

response 0

Ion	Exp%	Act%
74.00	100	0.00
87.00	54.70	0.00
57.00	48.10	0.00
0.00	0.00	0.00

FP 6/14/13

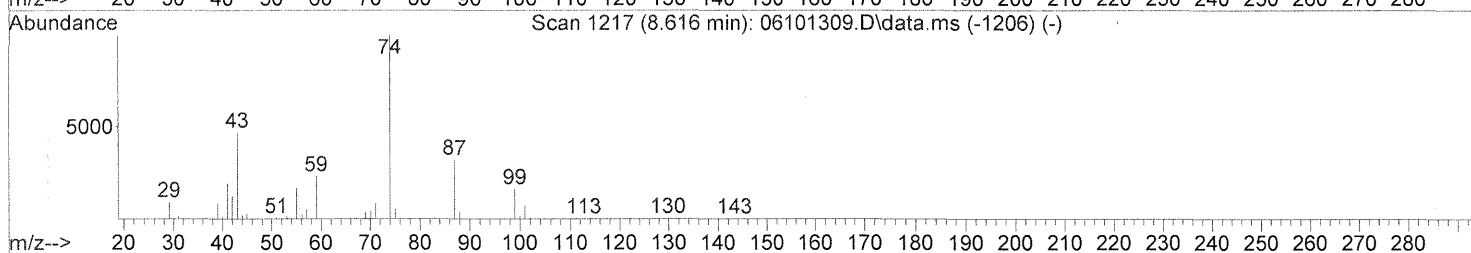
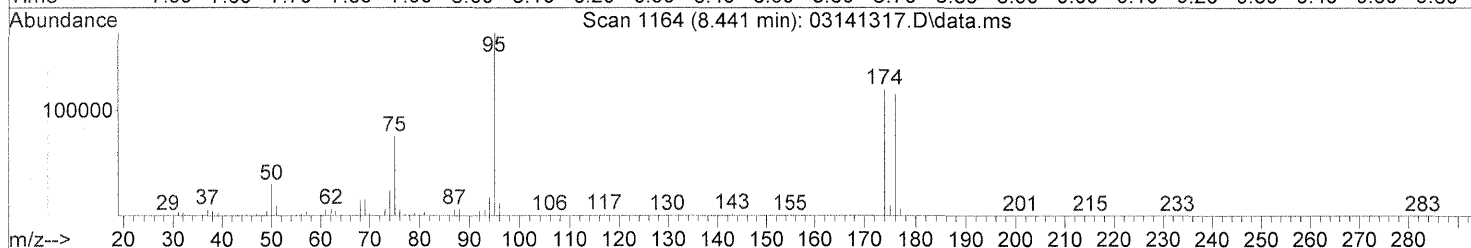
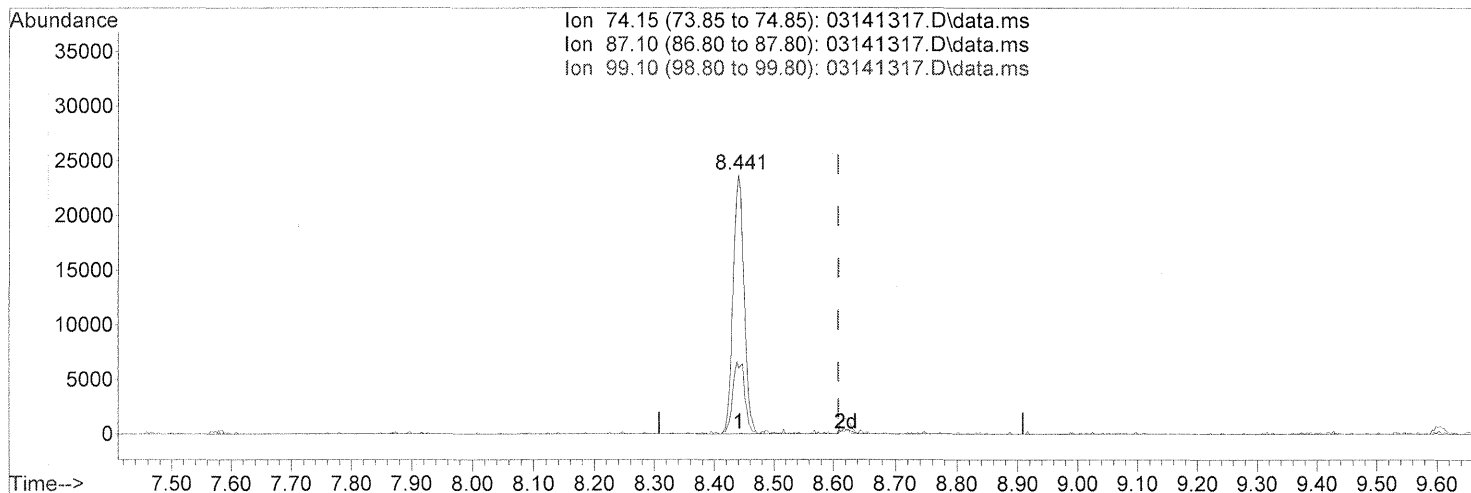
ET

in 6/17/13

Quantitation Report (Qedit)

Data Path : J:\MS14\DATA\ACIDS\2013_06\14\
 Data File : 03141317.D
 Acq On : 14 Jun 2013 3:36 pm
 Operator : EI
 Sample : P1302340-003 Front 1.0ml
 Misc :
 ALS Vial : 15 Sample Multiplier: 1

Quant Time: Jun 14 15:53:52 2013
 Quant Method : J:\MS14\METHODS\CA061013E.M
 Quant Title : Short Chain Carboxylic Acids in Air
 QLast Update : Tue Jun 11 08:53:59 2013
 Response via : Initial Calibration



TIC: 03141317.D\data.ms

(12) Hexanoic acid (T)

8.441min (-0.168) 0.74ug/ml

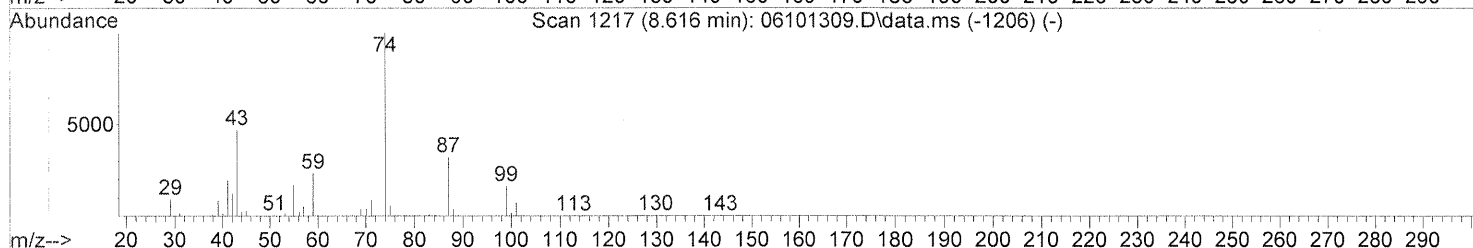
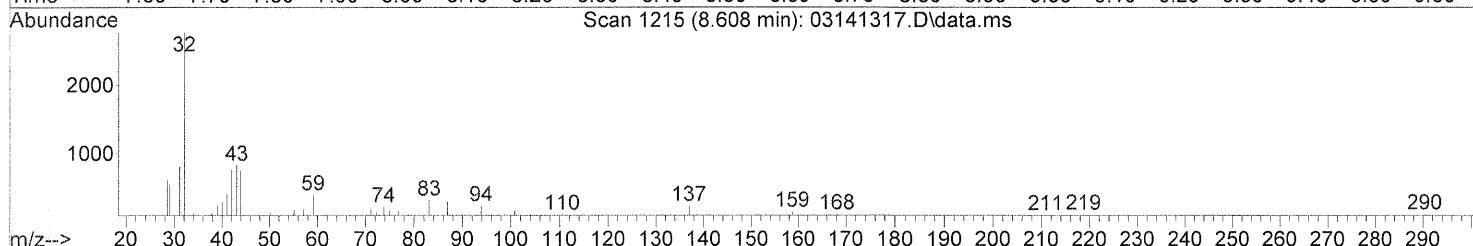
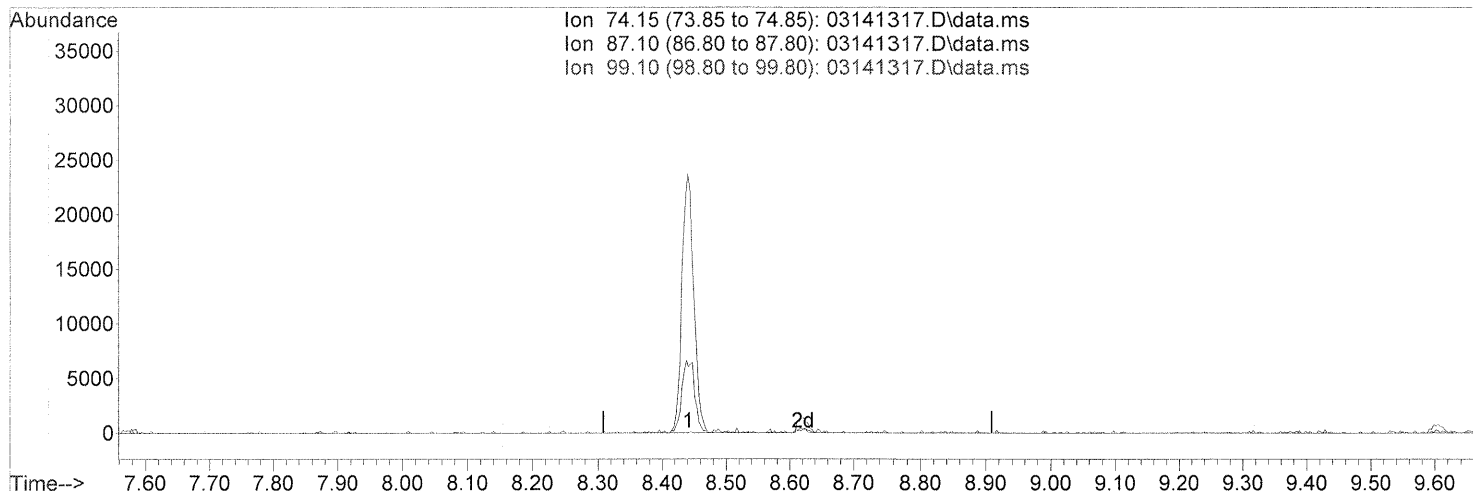
response 30402

Ion	Exp%	Act%
74.15	100	100
87.10	30.70	30.31
99.10	17.70	0.08
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : J:\MS14\DATA\ACIDS\2013_06\14\
 Data File : 03141317.D
 Acq On : 14 Jun 2013 3:36 pm
 Operator : EI
 Sample : P1302340-003 Front 1.0ml
 Misc :
 ALS Vial : 15 Sample Multiplier: 1

Quant Time: Jun 14 15:53:52 2013
 Quant Method : J:\MS14\METHODS\CA061013E.M
 Quant Title : Short Chain Carboxylic Acids in Air
 QLast Update : Tue Jun 11 08:53:59 2013
 Response via : Initial Calibration



TIC: 03141317.D\data.ms

(12) Hexanoic acid (T)

8.609min 0.00ug/ml d

response 0

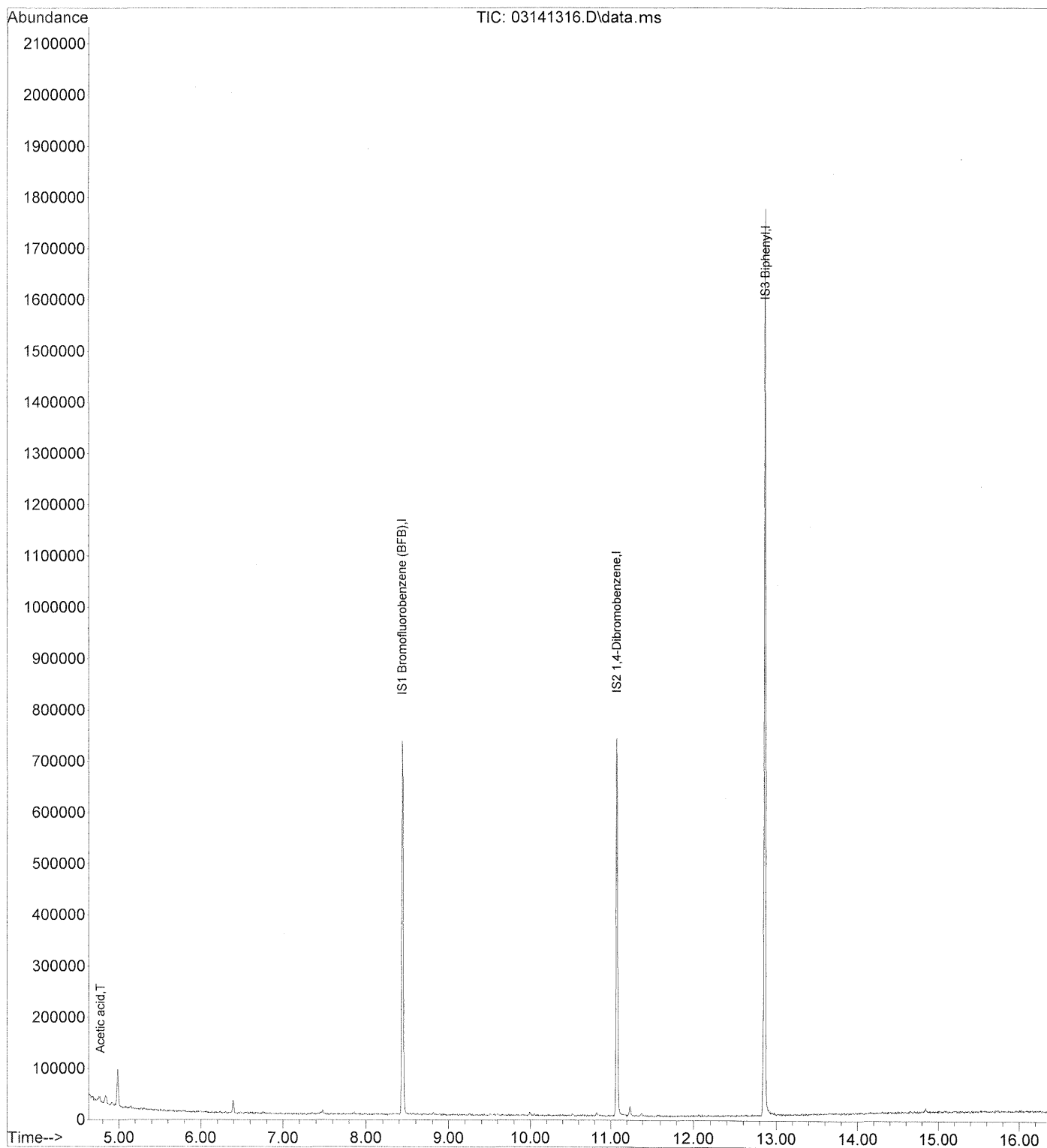
Ion	Exp%	Act%
74.15	100	0.00
87.10	30.70	0.00
99.10	17.70	0.00
0.00	0.00	0.00

FP 6/14/13
 EI

6/17/13

Data Path : J:\MS14\DATA\ACIDS\2013_06\14\
Data File : 03141316.D
Acq On : 14 Jun 2013 3:14 pm
Operator : EI
Sample : P1302340-003 Back 1.0ml
Misc :
ALS Vial : 14 Sample Multiplier: 1

Quant Time: Jun 14 15:39:07 2013
Quant Method : J:\MS14\METHODS\CA061013E.M
Quant Title : Short Chain Carboxylic Acids in Air
QLast Update : Tue Jun 11 08:53:59 2013
Response via : Initial Calibration



Data Path : J:\MS14\DATA\ACIDS\2013_06\14\
 Data File : 03141316.D
 Acq On : 14 Jun 2013 3:14 pm
 Operator : EI
 Sample : P1302340-003 Back 1.0ml
 Misc :
 ALS Vial : 14 Sample Multiplier: 1

6/14/13
 EI

Quant Time: Jun 14 15:39:07 2013
 Quant Method : J:\MS14\METHODS\CA061013E.M
 Quant Title : Short Chain Carboxylic Acids in Air
 QLast Update : Tue Jun 11 08:53:59 2013
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev (Min)
1) IS1 Bromofluorobenzene...	8.44	95	216154	10.00	ug/ml	0.00
13) IS2 1,4-Dibromobenzene	11.07	236	150606	10.00	ug/ml	0.00
19) IS3 Biphenyl	12.85	154	743985	10.00	ug/ml	0.00

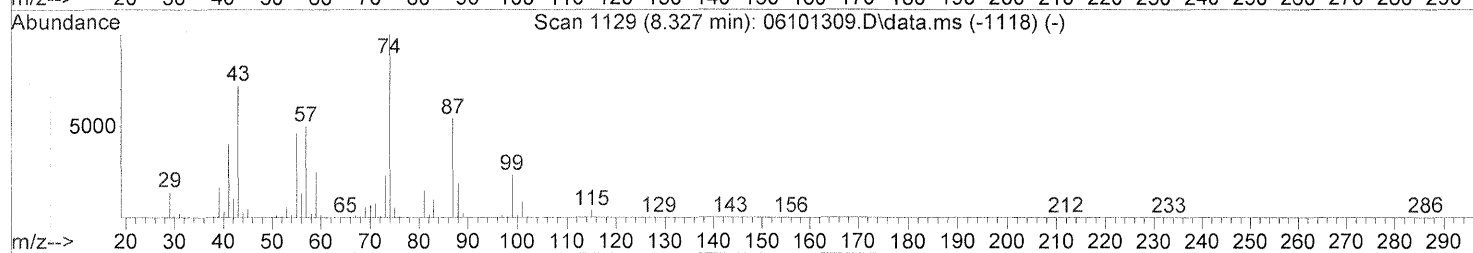
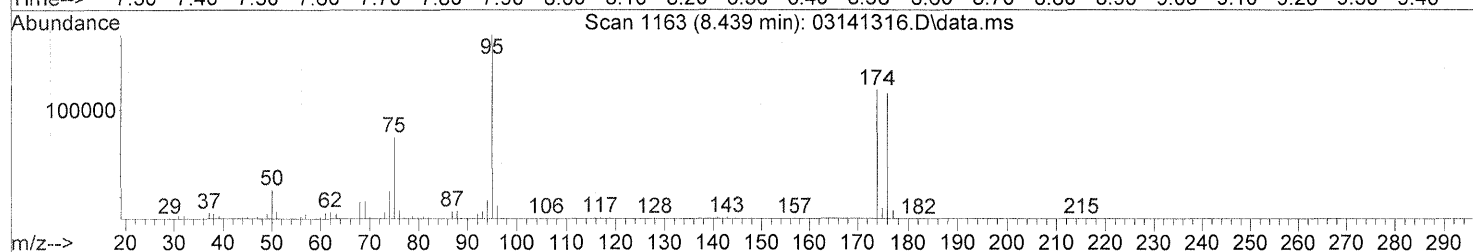
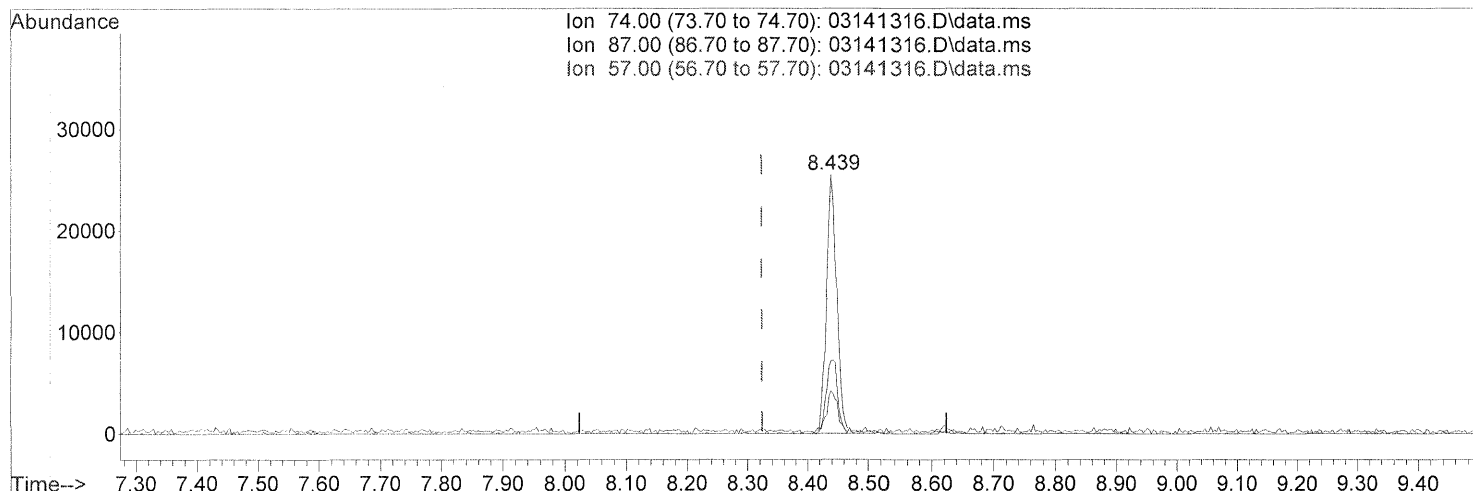
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Acetic acid	4.77	74	572	0.22	ug/ml#	59
3) Propanoic acid	5.50	57	248	N.D.		
4) 2-Methylpropanoic acid	6.04	71	107	N.D.		
5) Butanoic acid	6.49	74	140	N.D.		
6) 2-Methylbutanoic acid	6.98	88	63	N.D.		
7) 3-Methylbutanoic acid	7.29	74	74	N.D.		
8) Pentanoic acid	7.57	74	41	N.D.		
9) 2-Methylpentanoic acid	7.93	88	22	N.D.		
10) 3-Methylpentanoic acid	0.00	74	0	N.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	9.61	74	48	N.D.		
15) 2-Ethylhexanoic acid	9.65	87	26	N.D.		
16) Cyclohexanecarboxylic ...	10.24	55	54	N.D.		
17) Octanoic acid	10.52	74	1037	N.D.		
18) Benzoic acid	10.83	105	288	N.D.		
20) Nonanoic acid	11.38	74	2117	N.D.		
21) Decanoic Acid	12.18	74	147	N.D.		

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

Quantitation Report (Qedit)

Data Path : J:\MS14\DATA\ACIDS\2013_06\14\
 Data File : 03141316.D
 Acq On : 14 Jun 2013 3:14 pm
 Operator : EI
 Sample : P1302340-003 Back 1.0ml
 Misc :
 ALS Vial : 14 Sample Multiplier: 1

Quant Time: Jun 14 15:35:18 2013
 Quant Method : J:\MS14\METHODS\CA061013E.M
 Quant Title : Short Chain Carboxylic Acids in Air
 QLast Update : Tue Jun 11 08:53:59 2013
 Response via : Initial Calibration



TIC: 03141316.D\data.ms

(11) 4-Methylpentanoic acid (T)

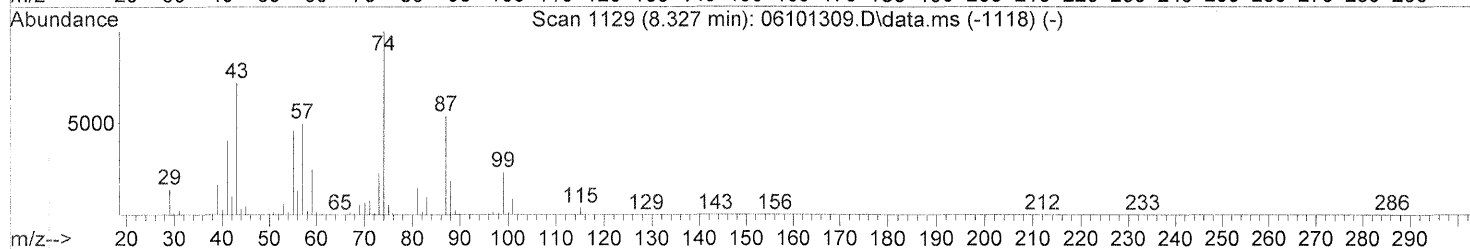
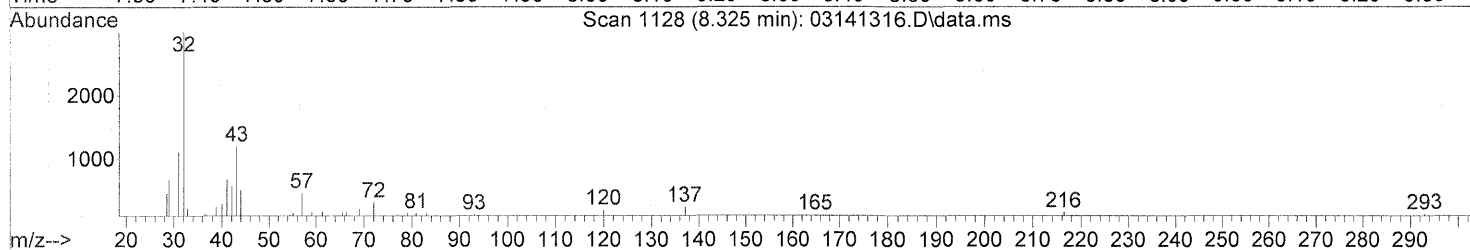
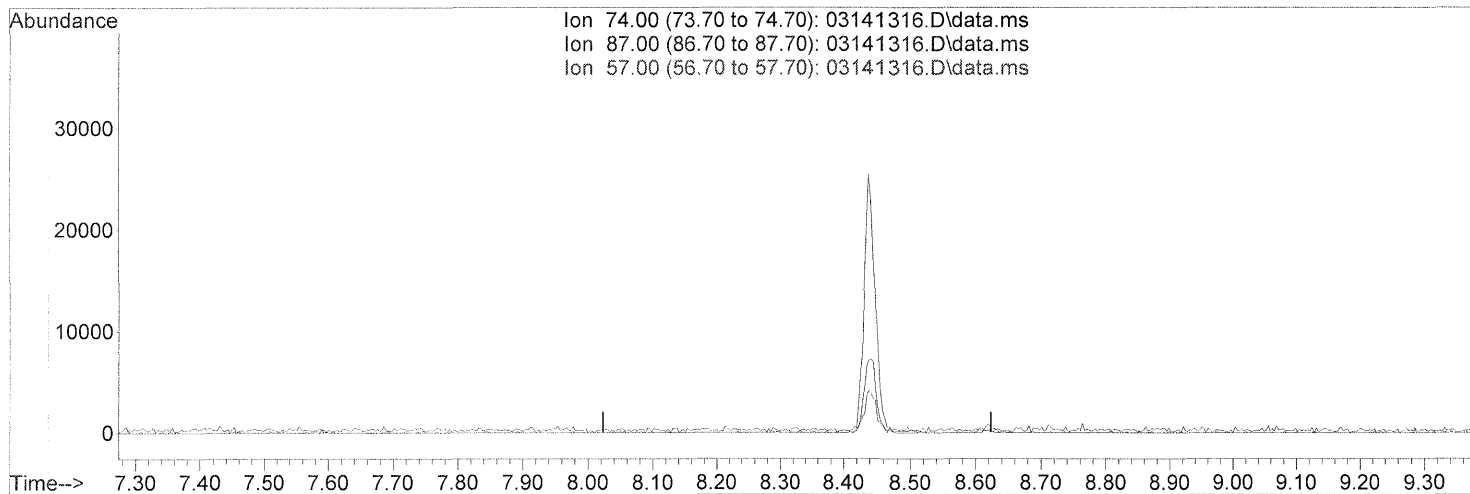
8.439min (+0.116) 1.29ug/ml

response 29861

Ion	Exp%	Act%
74.00	100	100
87.00	54.70	31.52#
57.00	48.10	18.31#
0.00	0.00	0.00

Data Path : J:\MS14\DATA\ACIDS\2013_06\14\
Data File : 03141316.D
Acq On : 14 Jun 2013 3:14 pm
Operator : EI
Sample : P1302340-003 Back 1.0ml
Misc :
ALS Vial : 14 Sample Multiplier: 1

Quant Time: Jun 14 15:35:18 2013
Quant Method : J:\MS14\METHODS\CA061013E.M
Quant Title : Short Chain Carboxylic Acids in Air
QLast Update : Tue Jun 11 08:53:59 2013
Response via : Initial Calibration



TIC: 03141316.D\data.ms

(11) 4-Methylpentanoic acid (T)

EP 6/14/13

8.324min 0.00ug/ml d

ET

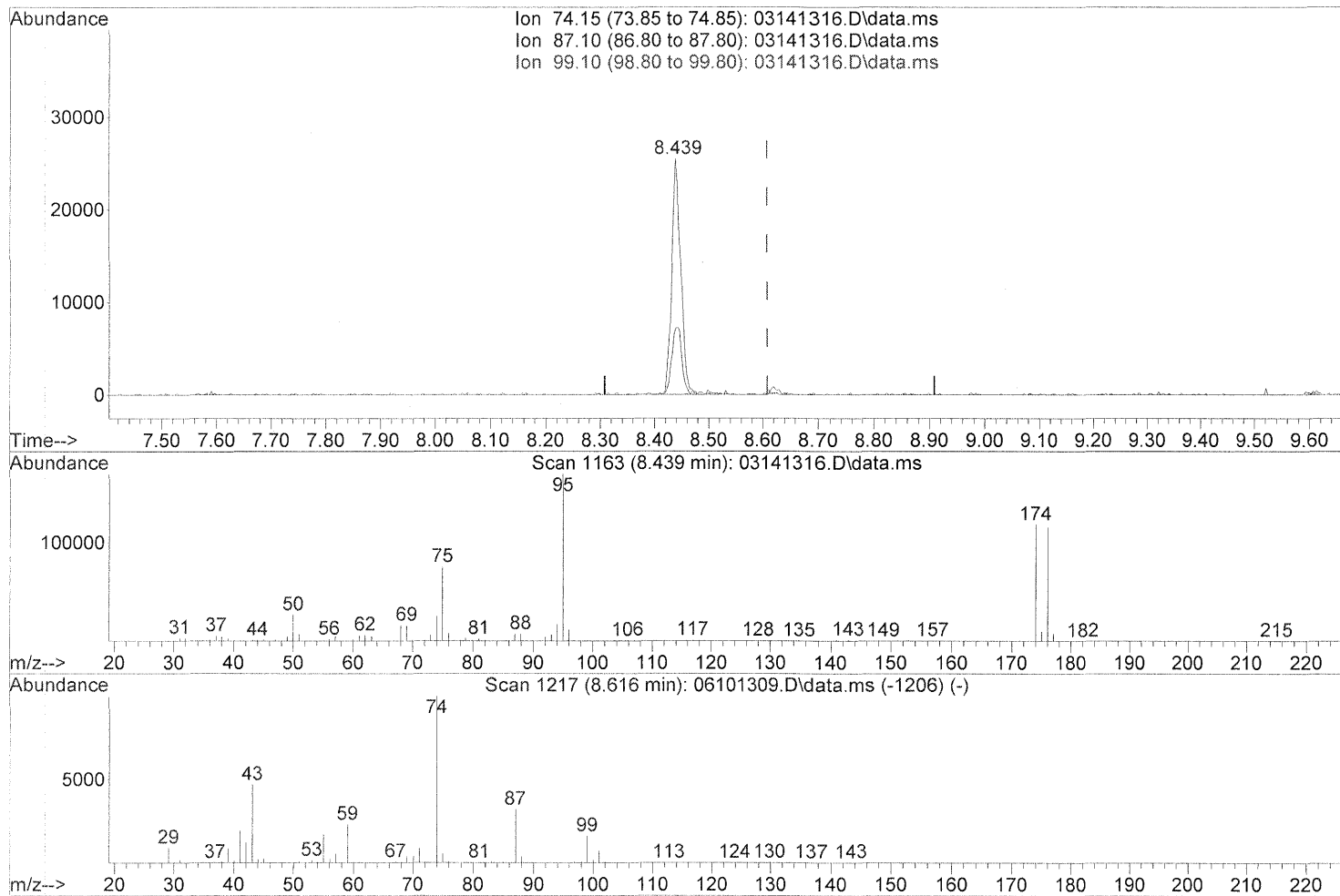
response 0

Ion	Exp%	Act%
74.00	100	0.00
87.00	54.70	0.00
57.00	48.10	0.00
0.00	0.00	0.00

in 6/17/13

Data Path : J:\MS14\DATA\ACIDS\2013_06\14\
Data File : 03141316.D
Acq On : 14 Jun 2013 3:14 pm
Operator : EI
Sample : P1302340-003 Back 1.0ml
Misc :
ALS Vial : 14 Sample Multiplier: 1

Quant Time: Jun 14 15:35:18 2013
Quant Method : J:\MS14\METHODS\CA061013E.M
Quant Title : Short Chain Carboxylic Acids in Air
QLast Update : Tue Jun 11 08:53:59 2013
Response via : Initial Calibration



TIC: 03141316.D\data.ms

(12) Hexanoic acid (T)

8.439min (-0.170) 0.74ug/ml

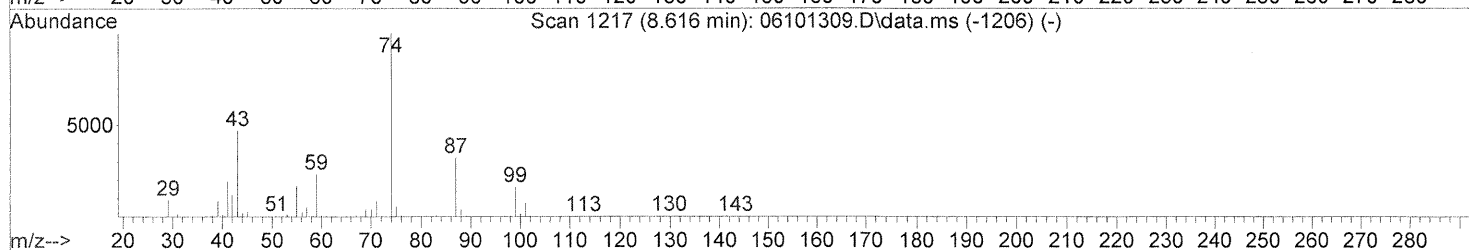
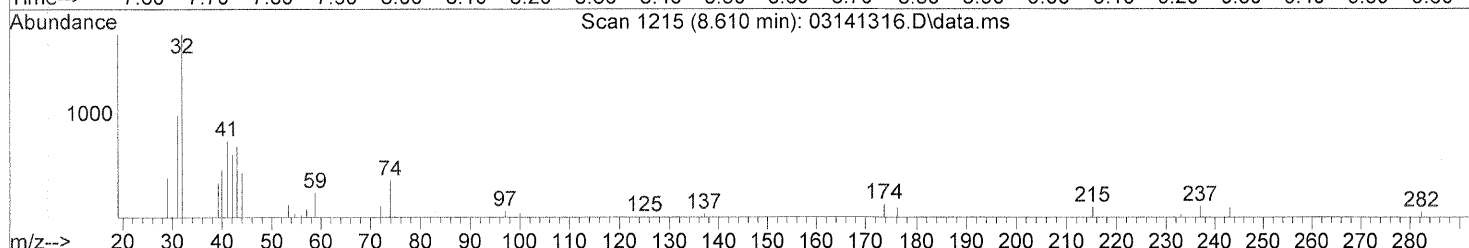
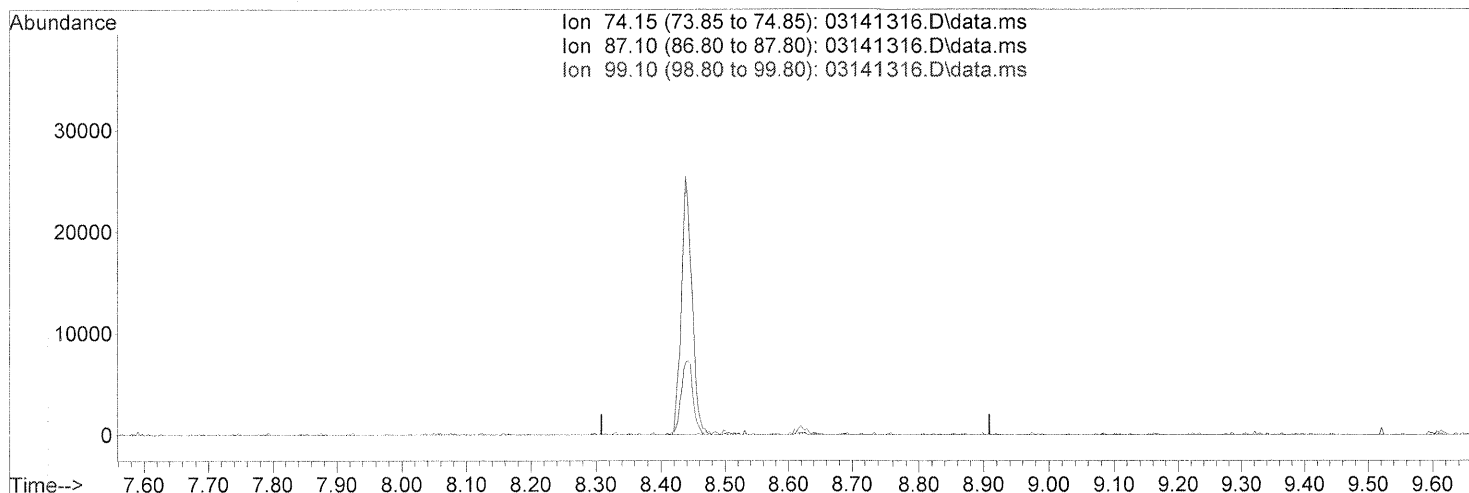
response 29677

Ion	Exp%	Act%
74.15	100	100
87.10	30.70	31.21
99.10	17.70	0.07
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : J:\MS14\DATA\ACIDS\2013_06\14\
 Data File : 03141316.D
 Acq On : 14 Jun 2013 3:14 pm
 Operator : EI
 Sample : P1302340-003 Back 1.0ml
 Misc :
 ALS Vial : 14 Sample Multiplier: 1

Quant Time: Jun 14 15:35:18 2013
 Quant Method : J:\MS14\METHODS\CA061013E.M
 Quant Title : Short Chain Carboxylic Acids in Air
 QLast Update : Tue Jun 11 08:53:59 2013
 Response via : Initial Calibration



TIC: 03141316.D\data.ms

(12) Hexanoic acid (T)

8.609min 0.00ug/ml d

response 0

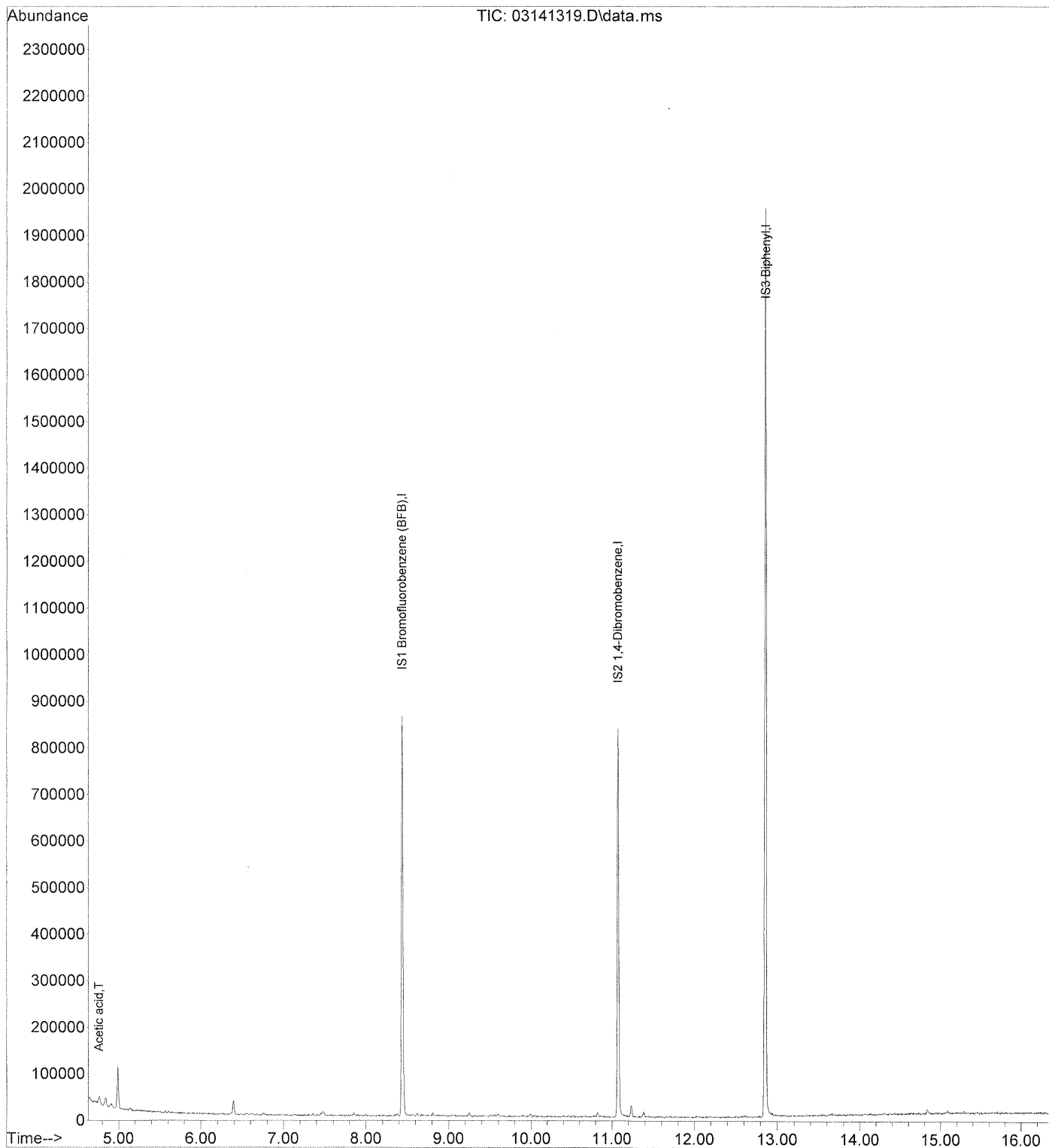
Ion	Exp%	Act%
74.15	100	0.00
87.10	30.70	0.00
99.10	17.70	0.00
0.00	0.00	0.00

FP 6/14/13
 Et

u 6/17/13

Data Path : J:\MS14\DATA\ACIDS\2013_06\14\
Data File : 03141319.D
Acq On : 14 Jun 2013 4:20 pm
Operator : EI
Sample : P1302340-004 Front 1.0ml
Misc :
ALS Vial : 17 Sample Multiplier: 1

Quant Time: Jun 14 16:38:38 2013
Quant Method : J:\MS14\METHODS\CA061013E.M
Quant Title : Short Chain Carboxylic Acids in Air
QLast Update : Tue Jun 11 08:53:59 2013
Response via : Initial Calibration



Data Path : J:\MS14\DATA\ACIDS\2013_06\14\
 Data File : 03141319.D
 Acq On : 14 Jun 2013 4:20 pm
 Operator : EI
 Sample : P1302340-004 Front 1.0ml
 Misc :
 ALS Vial : 17 Sample Multiplier: 1

6/17/13
 25

Quant Time: Jun 14 16:38:38 2013
 Quant Method : J:\MS14\METHODS\CA061013E.M
 Quant Title : Short Chain Carboxylic Acids in Air
 QLast Update : Tue Jun 11 08:53:59 2013
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) IS1 Bromofluorobenzene...	8.44	95	259266	10.00	ug/ml	0.00
13) IS2 1,4-Dibromobenzene	11.08	236	172074	10.00	ug/ml	0.00
19) IS3 Biphenyl	12.86	154	855958	10.00	ug/ml	0.00

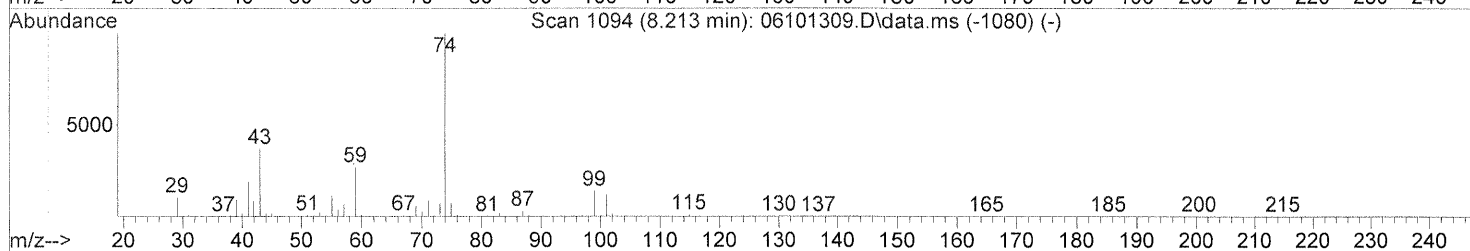
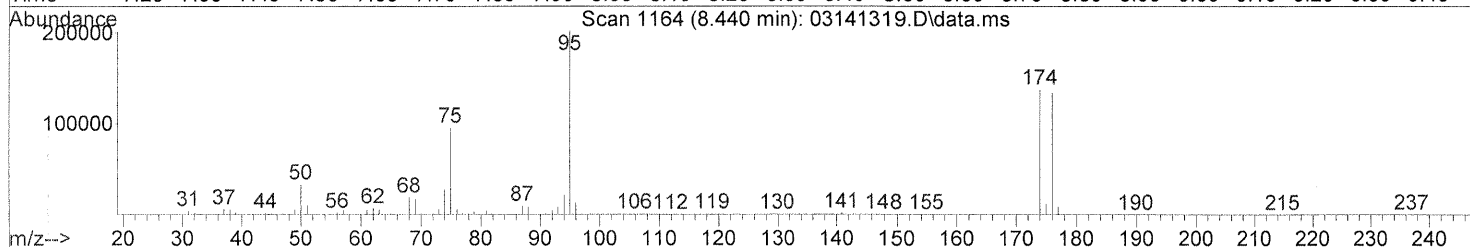
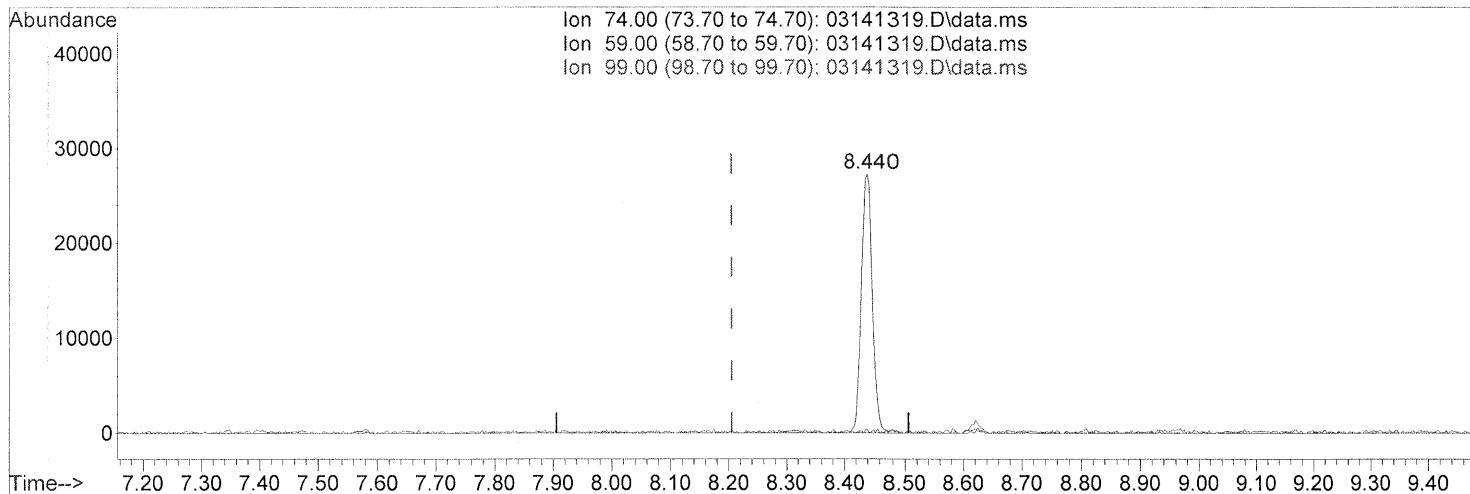
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Acetic acid	4.76	74	1184	0.37	ug/ml#	1
3) Propanoic acid	5.54	57	143	N.D.		
4) 2-Methylpropanoic acid	6.06	71	70	N.D.		
5) Butanoic acid	6.44	74	28	N.D.		
6) 2-Methylbutanoic acid	6.99	88	23	N.D.		
7) 3-Methylbutanoic acid	7.06	74	74	N.D.		
8) Pentanoic acid	7.58	74	473	N.D.		
9) 2-Methylpentanoic acid	7.93	88	25	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	8.62	74	1532	N.D.		
14) Heptanoic acid	9.60	74	822	N.D.		
15) 2-Ethylhexanoic acid	9.65	87	87	N.D.		
16) Cyclohexanecarboxylic ...	10.17	55	44	N.D.		
17) Octanoic acid	10.52	74	1365	N.D.		
18) Benzoic acid	10.83	105	300	N.D.		
20) Nonanoic acid	11.38	74	3800	N.D.		
21) Decanoic Acid	12.18	74	343	N.D.		

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

Quantitation Report (Qedit)

Data Path : J:\MS14\DATA\ACIDS\2013_06\14\
 Data File : 03141319.D
 Acq On : 14 Jun 2013 4:20 pm
 Operator : EI
 Sample : P1302340-004 Front 1.0ml
 Misc :
 ALS Vial : 17 Sample Multiplier: 1

Quant Time: Jun 14 16:38:09 2013
 Quant Method : J:\MS14\METHODS\CA061013E.M
 Quant Title : Short Chain Carboxylic Acids in Air
 QLast Update : Tue Jun 11 08:53:59 2013
 Response via : Initial Calibration



TIC: 03141319.D\data.ms

(10) 3-Methylpentanoic acid (T)

8.440min (+0.235) 0.66ug/ml

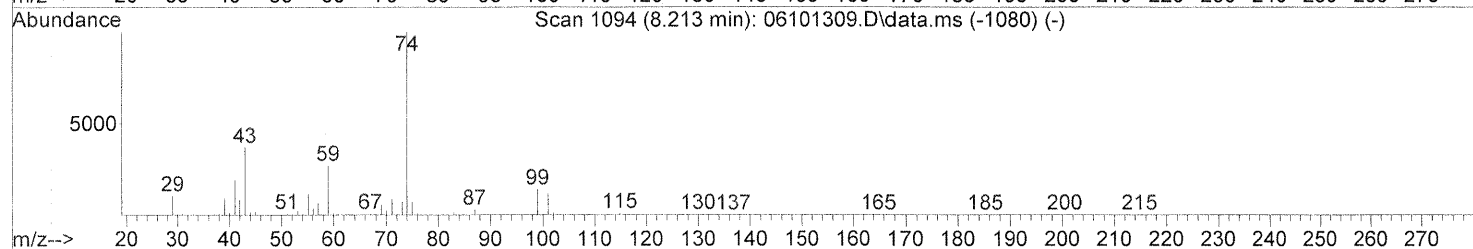
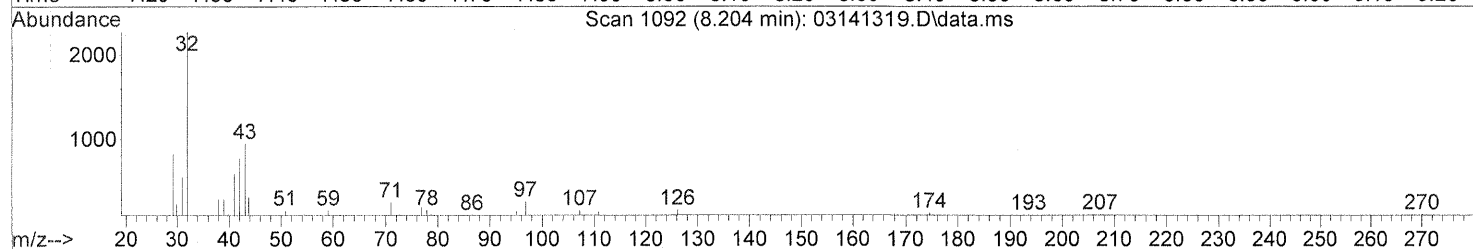
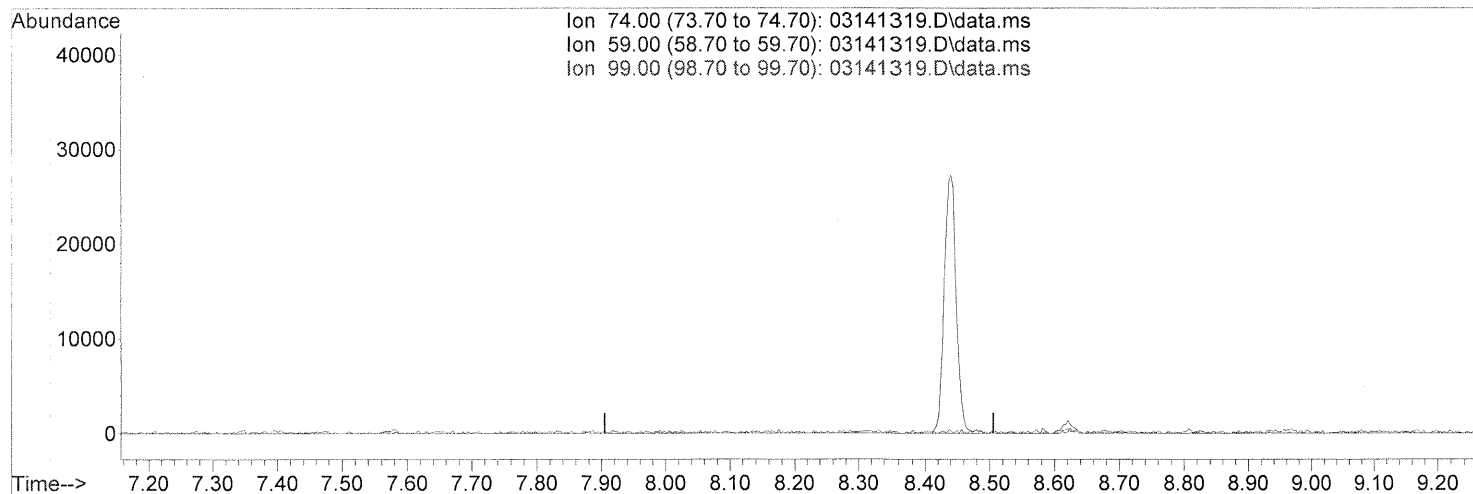
response 35374

Ion	Exp%	Act%
74.00	100	100
59.00	25.70	0.35#
99.00	14.20	0.00
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : J:\MS14\DATA\ACIDS\2013_06\14\
 Data File : 03141319.D
 Acq On : 14 Jun 2013 4:20 pm
 Operator : EI
 Sample : P1302340-004 Front 1.0ml
 Misc :
 ALS Vial : 17 Sample Multiplier: 1

Quant Time: Jun 14 16:38:09 2013
 Quant Method : J:\MS14\METHODS\CA061013E.M
 Quant Title : Short Chain Carboxylic Acids in Air
 QLast Update : Tue Jun 11 08:53:59 2013
 Response via : Initial Calibration



TIC: 03141319.D\data.ms

(10) 3-Methylpentanoic acid (T)

8.206min 0.00ug/ml d

response 0

Ion	Exp%	Act%
74.00	100	0.00
59.00	25.70	0.00
99.00	14.20	0.00
0.00	0.00	0.00

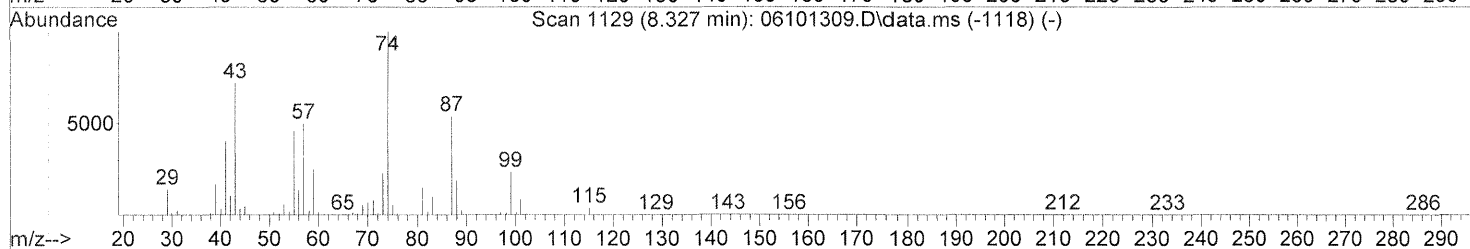
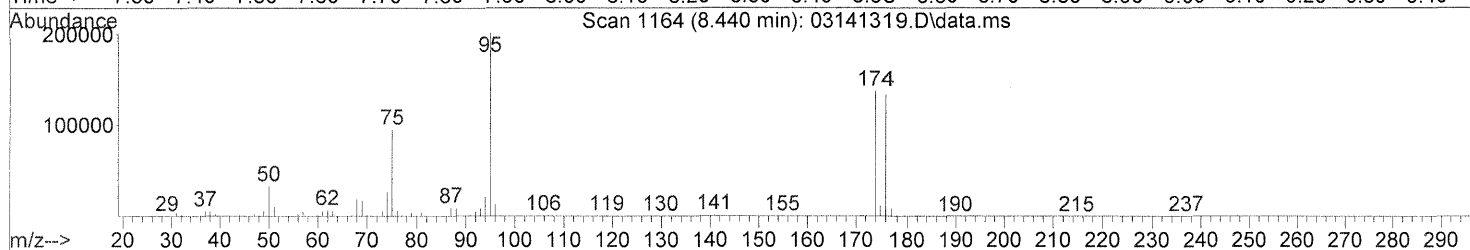
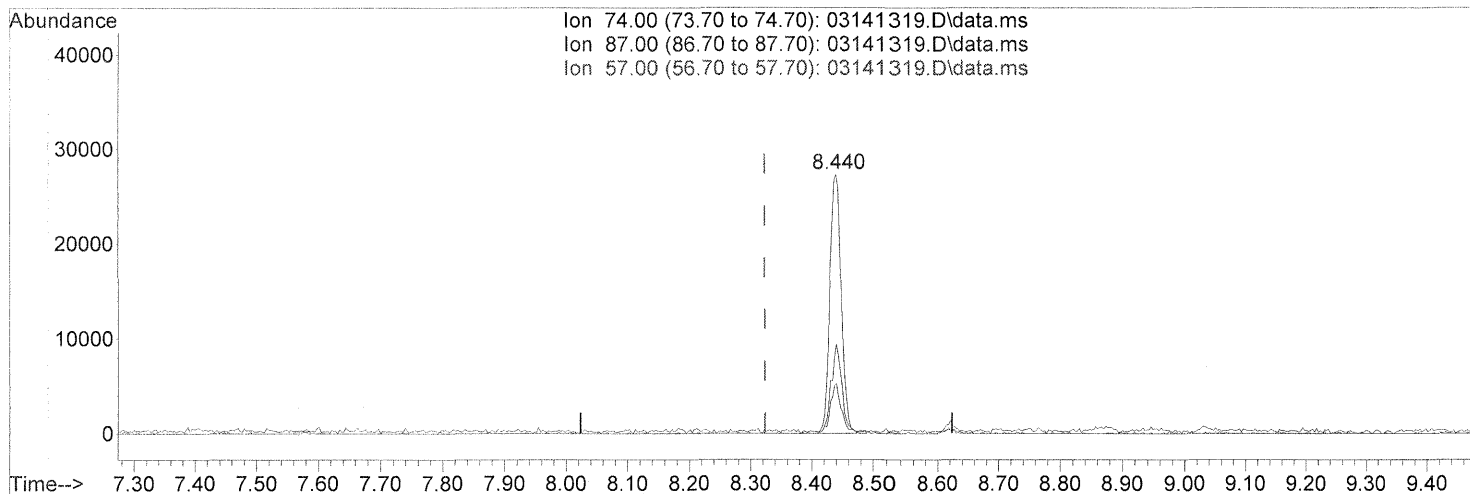
FP 6/14/13
 EI

W 6/17/13

Quantitation Report (Qedit)

Data Path : J:\MS14\DATA\ACIDS\2013_06\14\
 Data File : 03141319.D
 Acq On : 14 Jun 2013 4:20 pm
 Operator : EI
 Sample : P1302340-004 Front 1.0ml
 Misc :
 ALS Vial : 17 Sample Multiplier: 1

Quant Time: Jun 14 16:38:09 2013
 Quant Method : J:\MS14\METHODS\CA061013E.M
 Quant Title : Short Chain Carboxylic Acids in Air
 QLast Update : Tue Jun 11 08:53:59 2013
 Response via : Initial Calibration



TIC: 03141319.D\data.ms

(11) 4-Methylpentanoic acid (T)

8.440min (+0.117) 1.27ug/ml

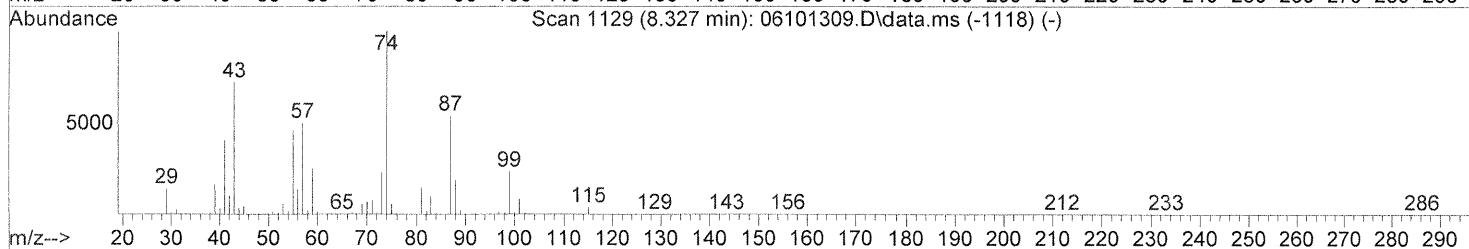
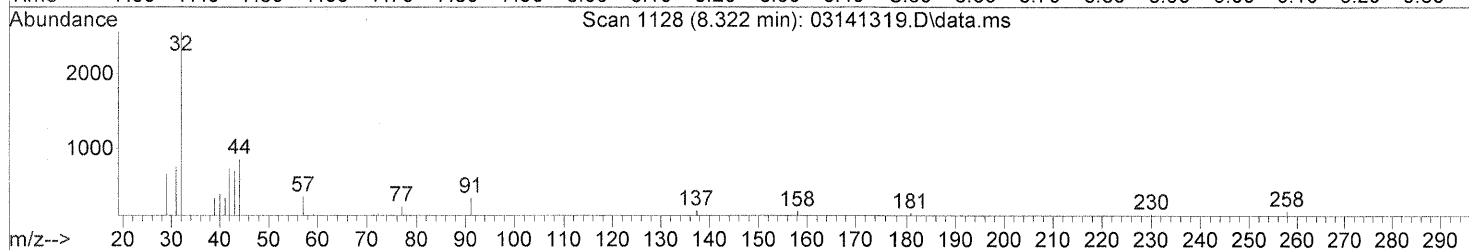
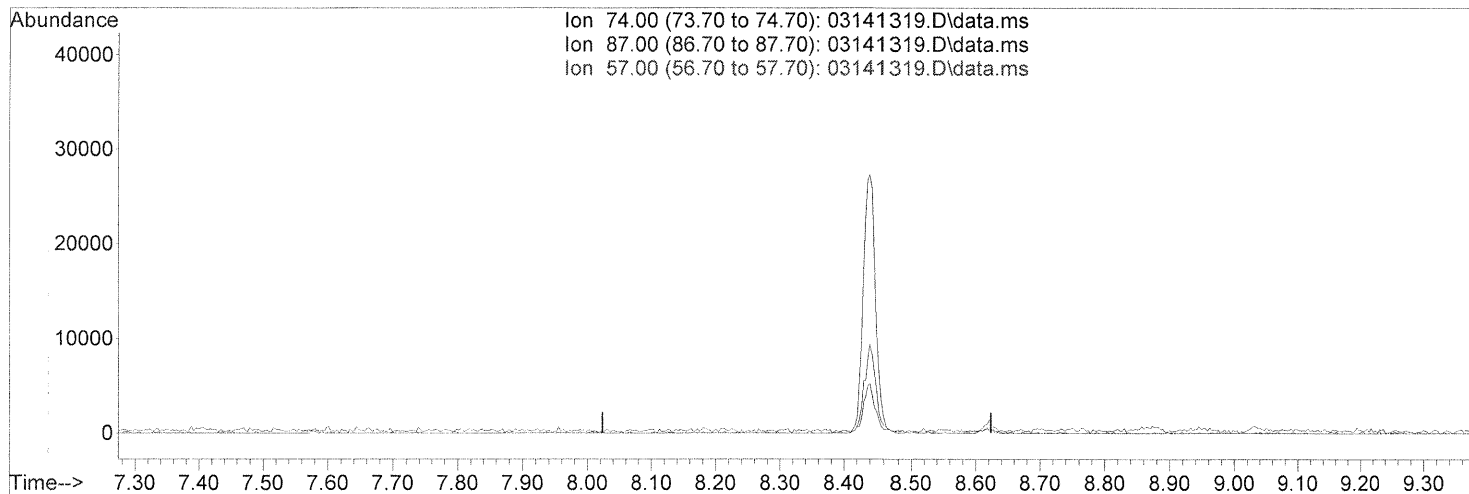
response 35374

Ion	Exp%	Act%
74.00	100	100
87.00	54.70	32.76#
57.00	48.10	17.22#
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : J:\MS14\DATA\ACIDS\2013_06\14\
 Data File : 03141319.D
 Acq On : 14 Jun 2013 4:20 pm
 Operator : EI
 Sample : P1302340-004 Front 1.0ml
 Misc :
 ALS Vial : 17 Sample Multiplier: 1

Quant Time: Jun 14 16:38:09 2013
 Quant Method : J:\MS14\METHODS\CA061013E.M
 Quant Title : Short Chain Carboxylic Acids in Air
 QLast Update : Tue Jun 11 08:53:59 2013
 Response via : Initial Calibration



TIC: 03141319.D\data.ms

(11) 4-Methylpentanoic acid (T)

8.324min 0.00ug/ml d

response 0

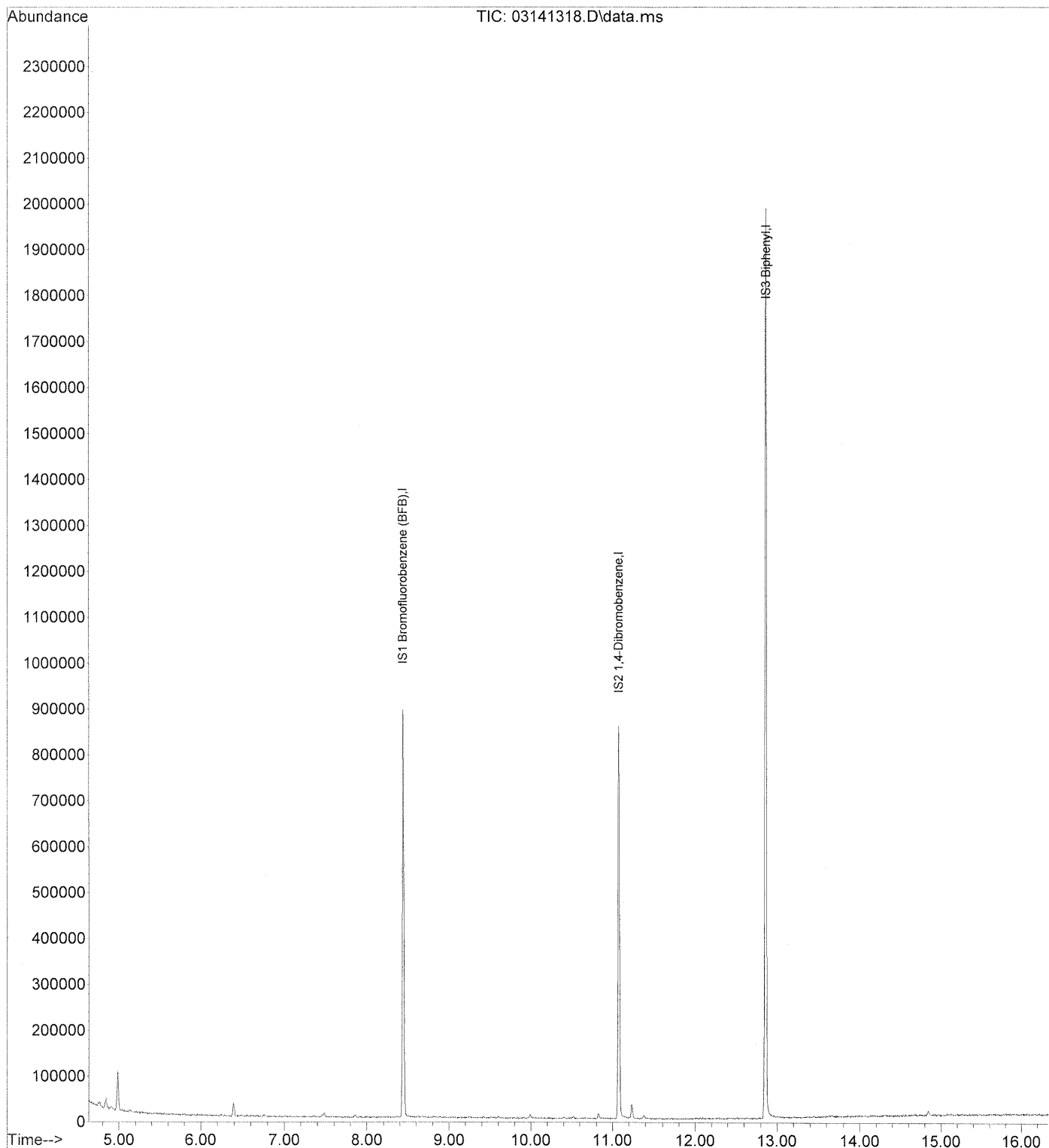
Ion	Exp%	Act%
74.00	100	0.00
87.00	54.70	0.00
57.00	48.10	0.00
0.00	0.00	0.00

FP 6/17/13
 ET

W 6/17/13

Data Path : J:\MS14\DATA\ACIDS\2013_06\14\
Data File : 03141318.D
Acq On : 14 Jun 2013 3:58 pm
Operator : EI
Sample : P1302340-004 Back 1.0ml
Misc :
ALS Vial : 16 Sample Multiplier: 1

Quant Time: Jun 14 16:37:45 2013
Quant Method : J:\MS14\METHODS\CA061013E.M
Quant Title : Short Chain Carboxylic Acids in Air
QLast Update : Tue Jun 11 08:53:59 2013
Response via : Initial Calibration



Data Path : J:\MS14\DATA\ACIDS\2013_06\14\
 Data File : 03141318.D
 Acq On : 14 Jun 2013 3:58 pm
 Operator : EI
 Sample : P1302340-004 Back 1.0ml
 Misc :
 ALS Vial : 16 Sample Multiplier: 1

FP 6/17/13
 ET

Quant Time: Jun 14 16:37:45 2013
 Quant Method : J:\MS14\METHODS\CA061013E.M
 Quant Title : Short Chain Carboxylic Acids in Air
 QLast Update : Tue Jun 11 08:53:59 2013
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) IS1 Bromofluorobenzene...	8.44	95	266211	10.00	ug/ml	0.00
13) IS2 1,4-Dibromobenzene	11.08	236	177788	10.00	ug/ml	0.00
19) IS3 Biphenyl	12.85	154	867861	10.00	ug/ml	0.00

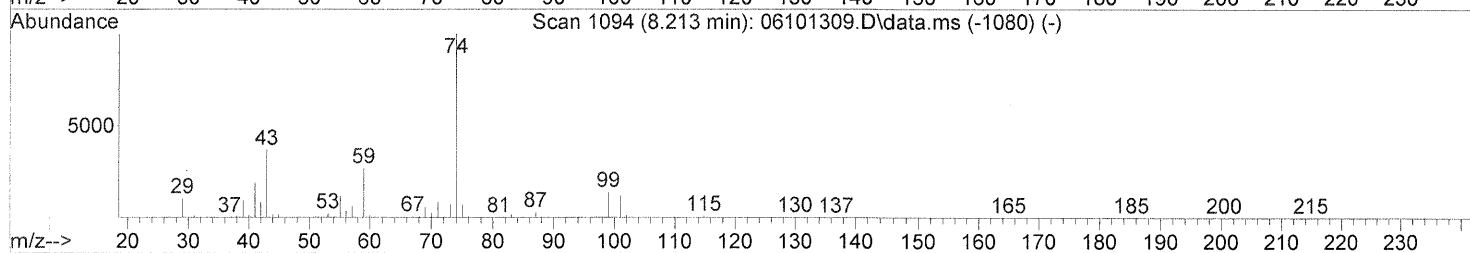
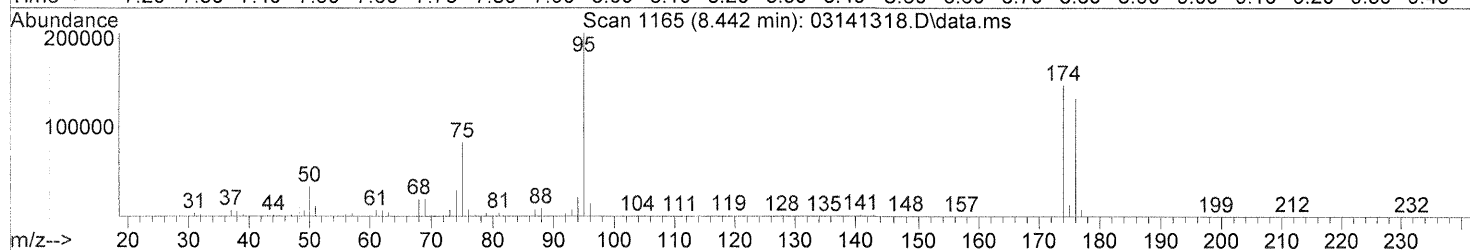
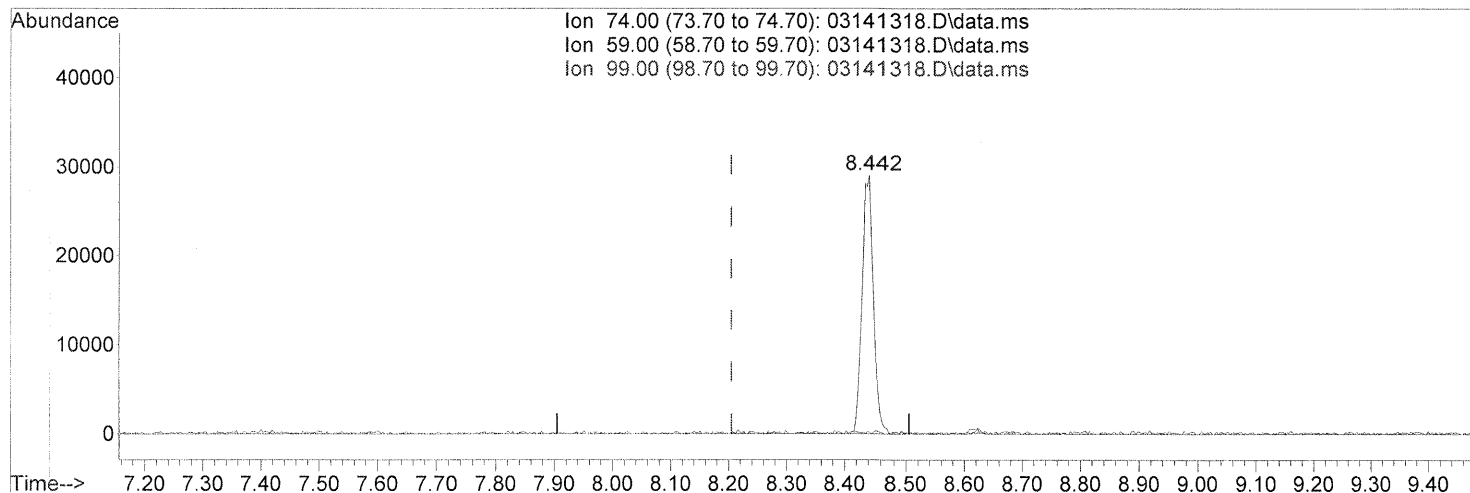
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Acetic acid	4.75	74	244	N.D.		
3) Propanoic acid	5.55	57	724	N.D.		
4) 2-Methylpropanoic acid	6.03	71	88	N.D.		
5) Butanoic acid	6.47	74	37	N.D.		
6) 2-Methylbutanoic acid	7.00	88	22	N.D.		
7) 3-Methylbutanoic acid	7.06	74	25	N.D.		
8) Pentanoic acid	7.58	74	191	N.D.		
9) 2-Methylpentanoic acid	7.84	88	27	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	9.61	74	605	N.D.		
15) 2-Ethylhexanoic acid	9.65	87	40	N.D.		
16) Cyclohexanecarboxylic ...	10.17	55	83	N.D.		
17) Octanoic acid	10.52	74	1272	N.D.		
18) Benzoic acid	10.83	105	376	N.D.		
20) Nonanoic acid	11.38	74	2724	N.D.		
21) Decanoic Acid	12.19	74	190	N.D.		

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

Quantitation Report (Qedit)

Data Path : J:\MS14\DATA\ACIDS\2013_06\14\
 Data File : 03141318.D
 Acq On : 14 Jun 2013 3:58 pm
 Operator : EI
 Sample : P1302340-004 Back 1.0ml
 Misc :
 ALS Vial : 16 Sample Multiplier: 1

Quant Time: Jun 14 16:33:11 2013
 Quant Method : J:\MS14\METHODS\CA061013E.M
 Quant Title : Short Chain Carboxylic Acids in Air
 QLast Update : Tue Jun 11 08:53:59 2013
 Response via : Initial Calibration



TIC: 03141318.D\data.ms

(10) 3-Methylpentanoic acid (T)

8.442min (+0.237) 0.68ug/ml

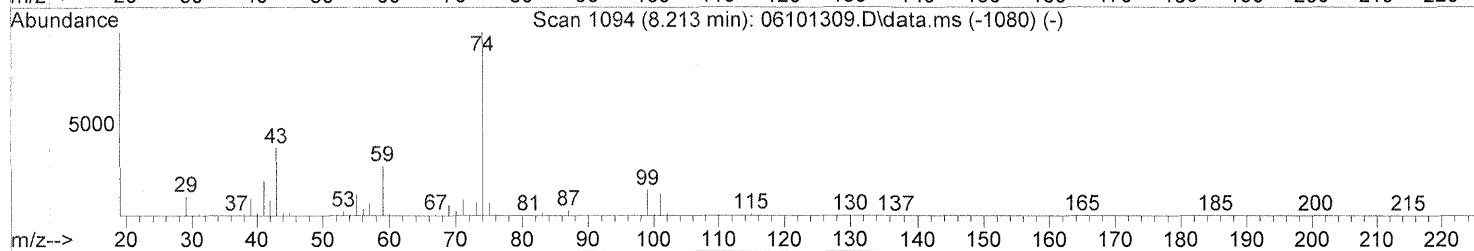
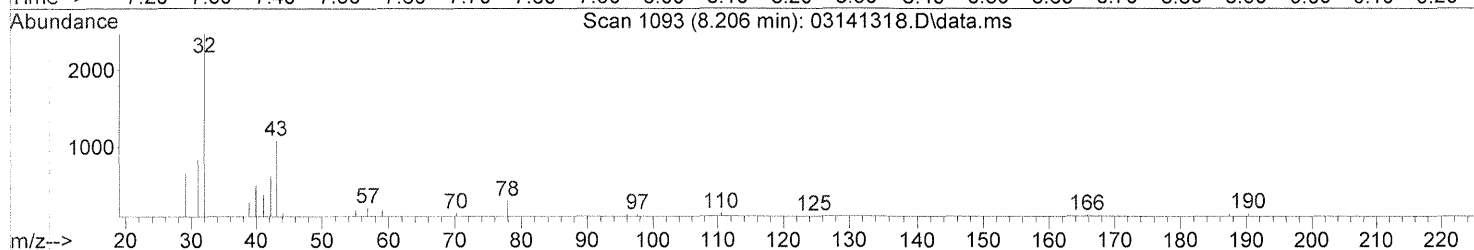
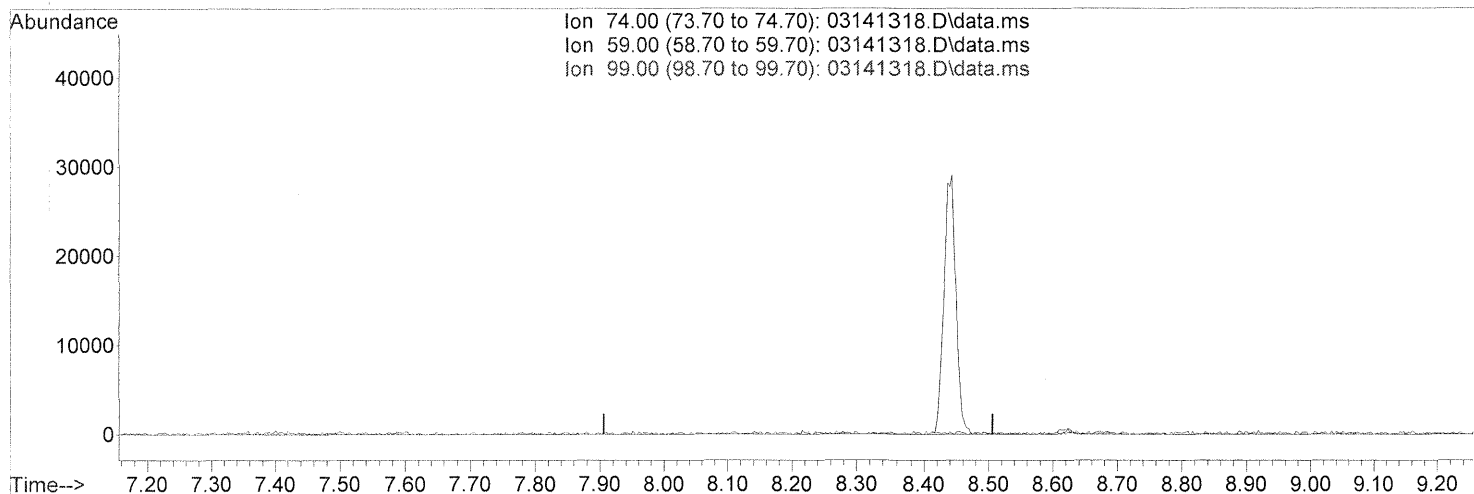
response 37441

Ion	Exp%	Act%
74.00	100	100
59.00	25.70	0.19#
99.00	14.20	0.00
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : J:\MS14\DATA\ACIDS\2013_06\14\
 Data File : 03141318.D
 Acq On : 14 Jun 2013 3:58 pm
 Operator : EI
 Sample : P1302340-004 Back 1.0ml
 Misc :
 ALS Vial : 16 Sample Multiplier: 1

Quant Time: Jun 14 16:33:11 2013
 Quant Method : J:\MS14\METHODS\CA061013E.M
 Quant Title : Short Chain Carboxylic Acids in Air
 QLast Update : Tue Jun 11 08:53:59 2013
 Response via : Initial Calibration



TIC: 03141318.D\data.ms

(10) 3-Methylpentanoic acid (T)

8.206min 0.00ug/ml d

response 0

Ion	Exp%	Act%
74.00	100	0.00
59.00	25.70	0.00
99.00	14.20	0.00
0.00	0.00	0.00

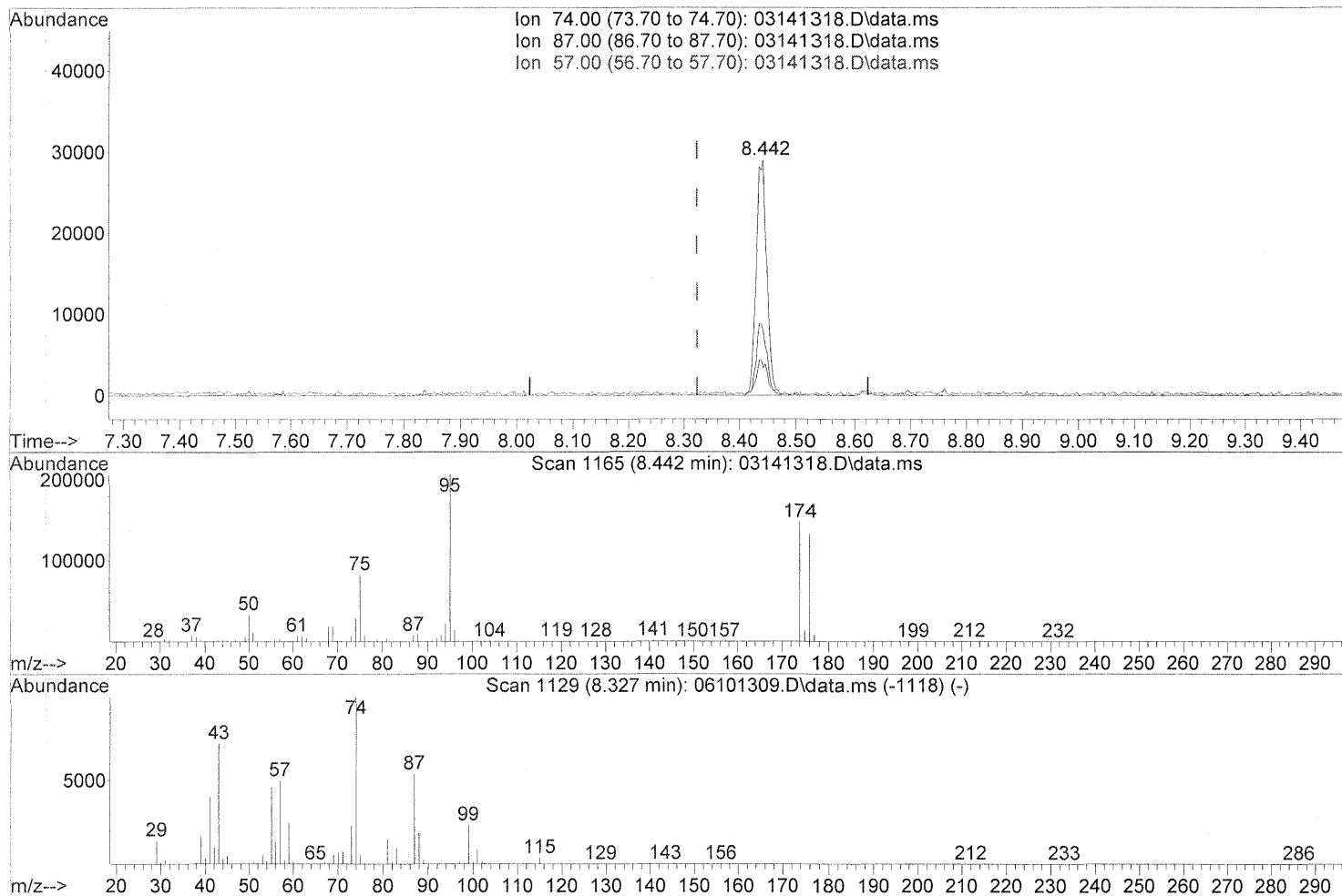
FP 6/14/13

EI

W 6/17/13

Data Path : J:\MS14\DATA\ACIDS\2013_06\14\
Data File : 03141318.D
Acq On : 14 Jun 2013 3:58 pm
Operator : EI
Sample : P1302340-004 Back 1.0ml
Misc :
ALS Vial : 16 Sample Multiplier: 1

Quant Time: Jun 14 16:33:11 2013
Quant Method : J:\MS14\METHODS\CA061013E.M
Quant Title : Short Chain Carboxylic Acids in Air
QLast Update : Tue Jun 11 08:53:59 2013
Response via : Initial Calibration



TIC: 03141318.D\data.ms

(11) 4-Methylpentanoic acid (T)

8.442min (+0.119) 1.31ug/ml

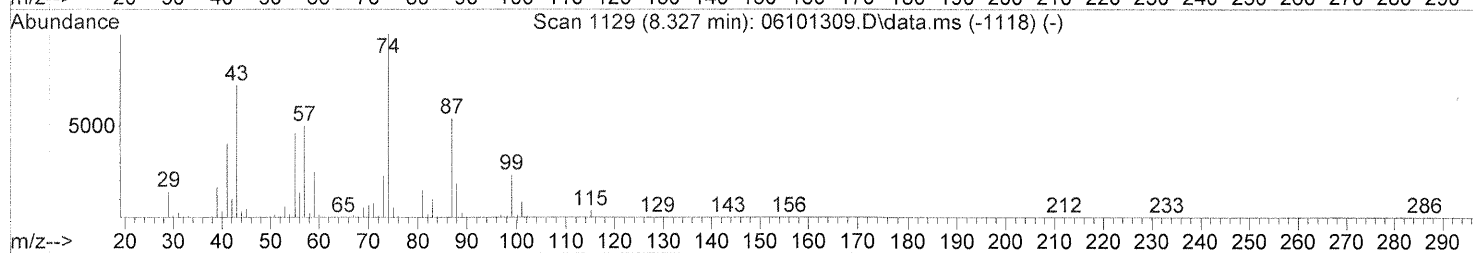
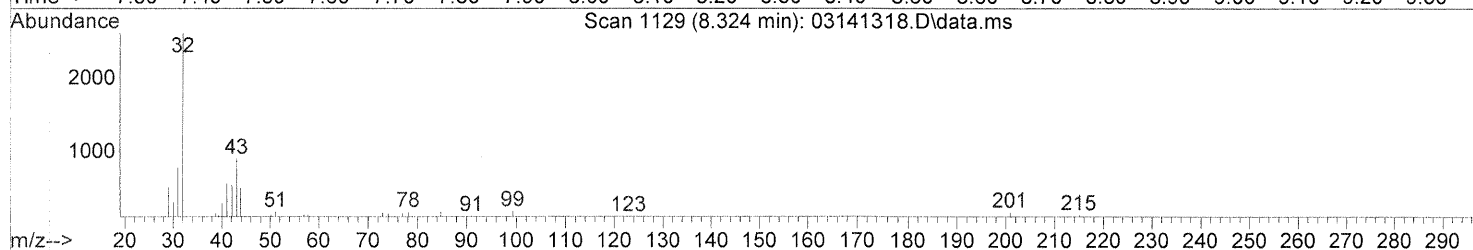
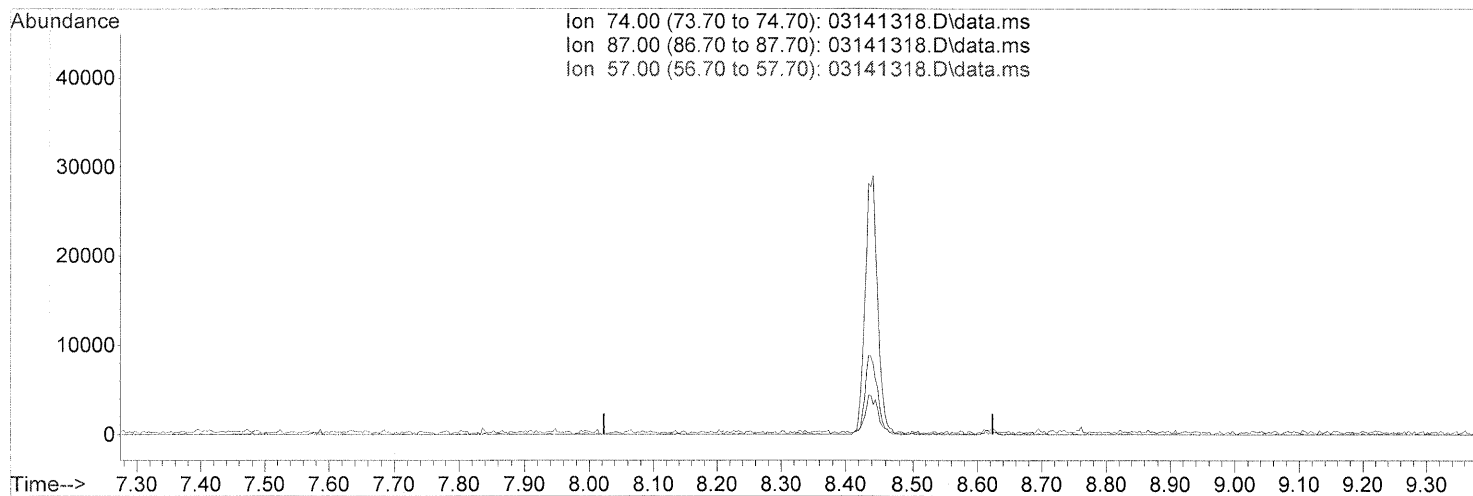
response 37441

Ion	Exp%	Act%
74.00	100	100
87.00	54.70	30.67#
57.00	48.10	15.72#
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : J:\MS14\DATA\ACIDS\2013_06\14\
 Data File : 03141318.D
 Acq On : 14 Jun 2013 3:58 pm
 Operator : EI
 Sample : P1302340-004 Back 1.0ml
 Misc :
 ALS Vial : 16 Sample Multiplier: 1

Quant Time: Jun 14 16:33:11 2013
 Quant Method : J:\MS14\METHODS\CA061013E.M
 Quant Title : Short Chain Carboxylic Acids in Air
 QLast Update : Tue Jun 11 08:53:59 2013
 Response via : Initial Calibration



TIC: 03141318.D\data.ms

(11) 4-Methylpentanoic acid (T)

8.324min 0.00ug/ml d

response 0

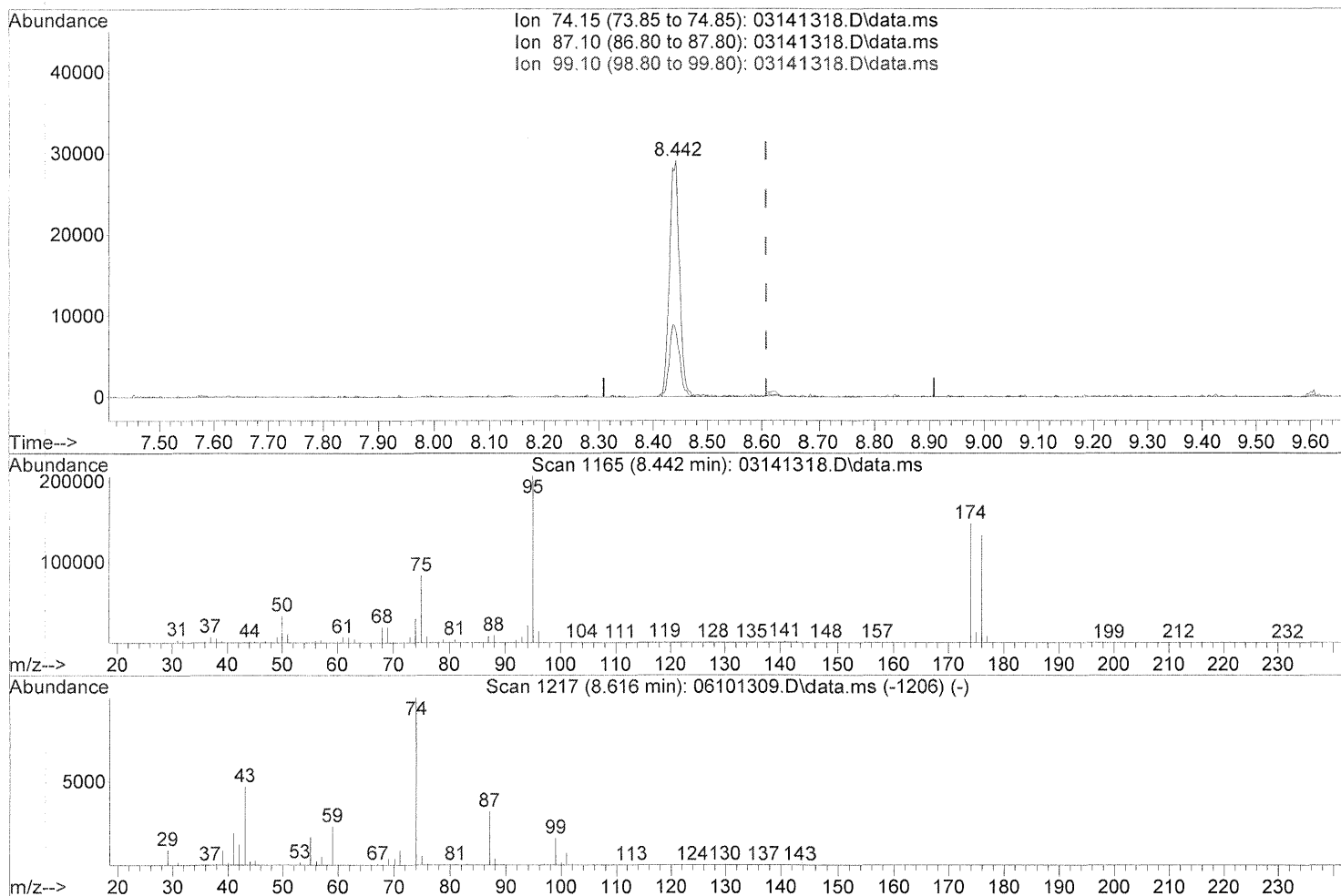
Ion	Exp%	Act%
74.00	100	0.00
87.00	54.70	0.00
57.00	48.10	0.00
0.00	0.00	0.00

FP 6/14/13
 EI

6/17/13

Data Path : J:\MS14\DATA\ACIDS\2013_06\14\
Data File : 03141318.D
Acq On : 14 Jun 2013 3:58 pm
Operator : EI
Sample : P1302340-004 Back 1.0ml
Misc :
ALS Vial : 16 Sample Multiplier: 1

Quant Time: Jun 14 16:33:11 2013
Quant Method : J:\MS14\METHODS\CA061013E.M
Quant Title : Short Chain Carboxylic Acids in Air
QLast Update : Tue Jun 11 08:53:59 2013
Response via : Initial Calibration



TIC: 03141318.D\data.ms

(12) Hexanoic acid (T)

8.442min (-0.167) 0.75ug/ml

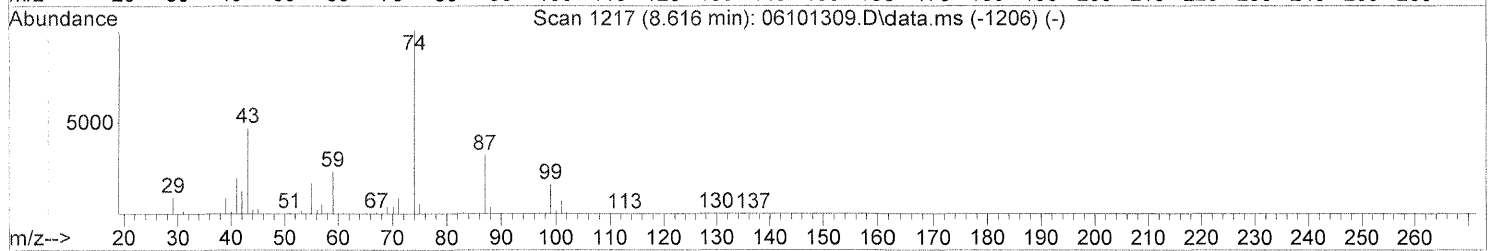
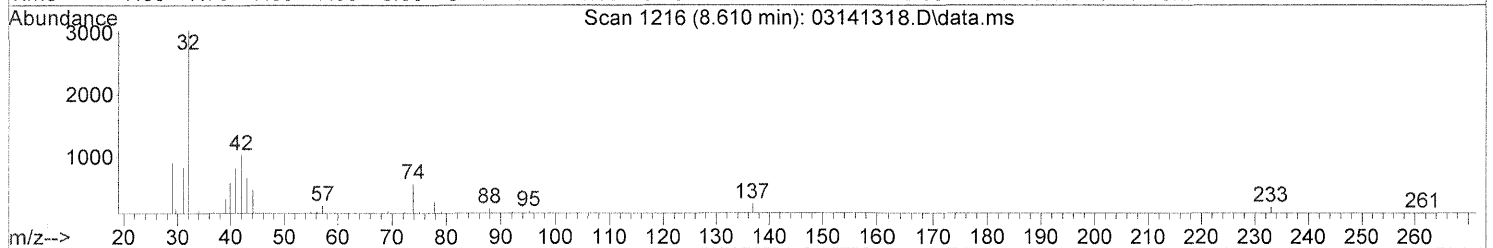
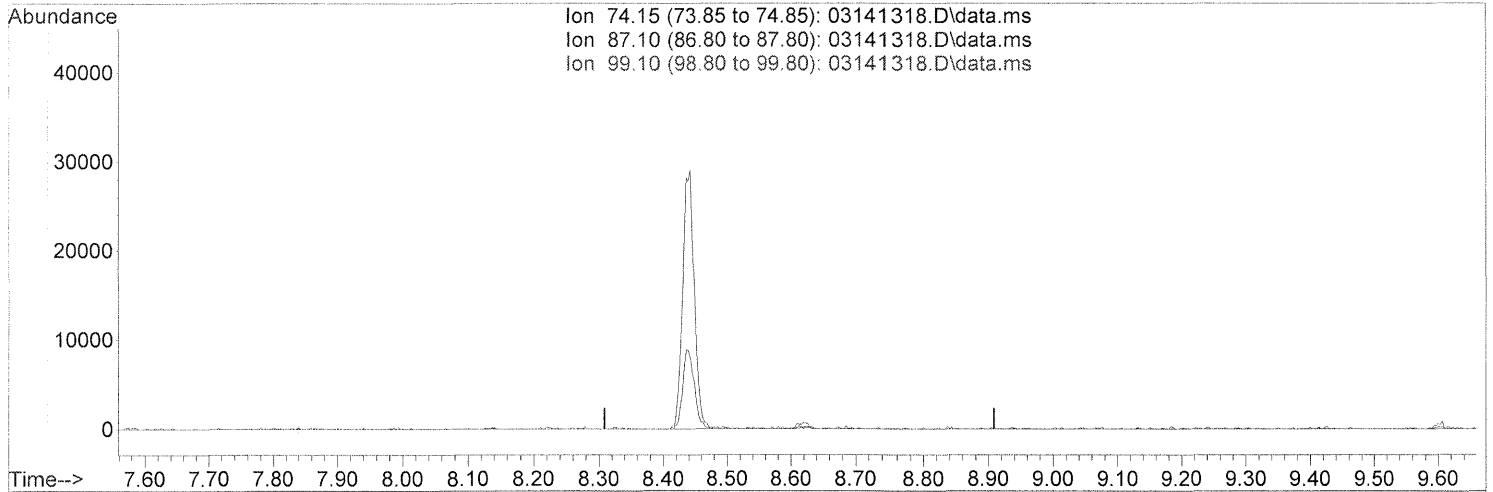
response 37391

Ion	Exp%	Act%
74.15	100	100
87.10	30.70	30.78
99.10	17.70	0.06
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : J:\MS14\DATA\ACIDS\2013_06\14\
 Data File : 03141318.D
 Acq On : 14 Jun 2013 3:58 pm
 Operator : EI
 Sample : P1302340-004 Back 1.0ml
 Misc :
 ALS Vial : 16 Sample Multiplier: 1

Quant Time: Jun 14 16:33:11 2013
 Quant Method : J:\MS14\METHODS\CA061013E.M
 Quant Title : Short Chain Carboxylic Acids in Air
 QLast Update : Tue Jun 11 08:53:59 2013
 Response via : Initial Calibration



TIC: 03141318.D\data.ms

(12) Hexanoic acid (T)

8.609min 0.00ug/ml d

response 0

Ion	Exp%	Act%
74.15	100	0.00
87.10	30.70	0.00
99.10	17.70	0.00
0.00	0.00	0.00

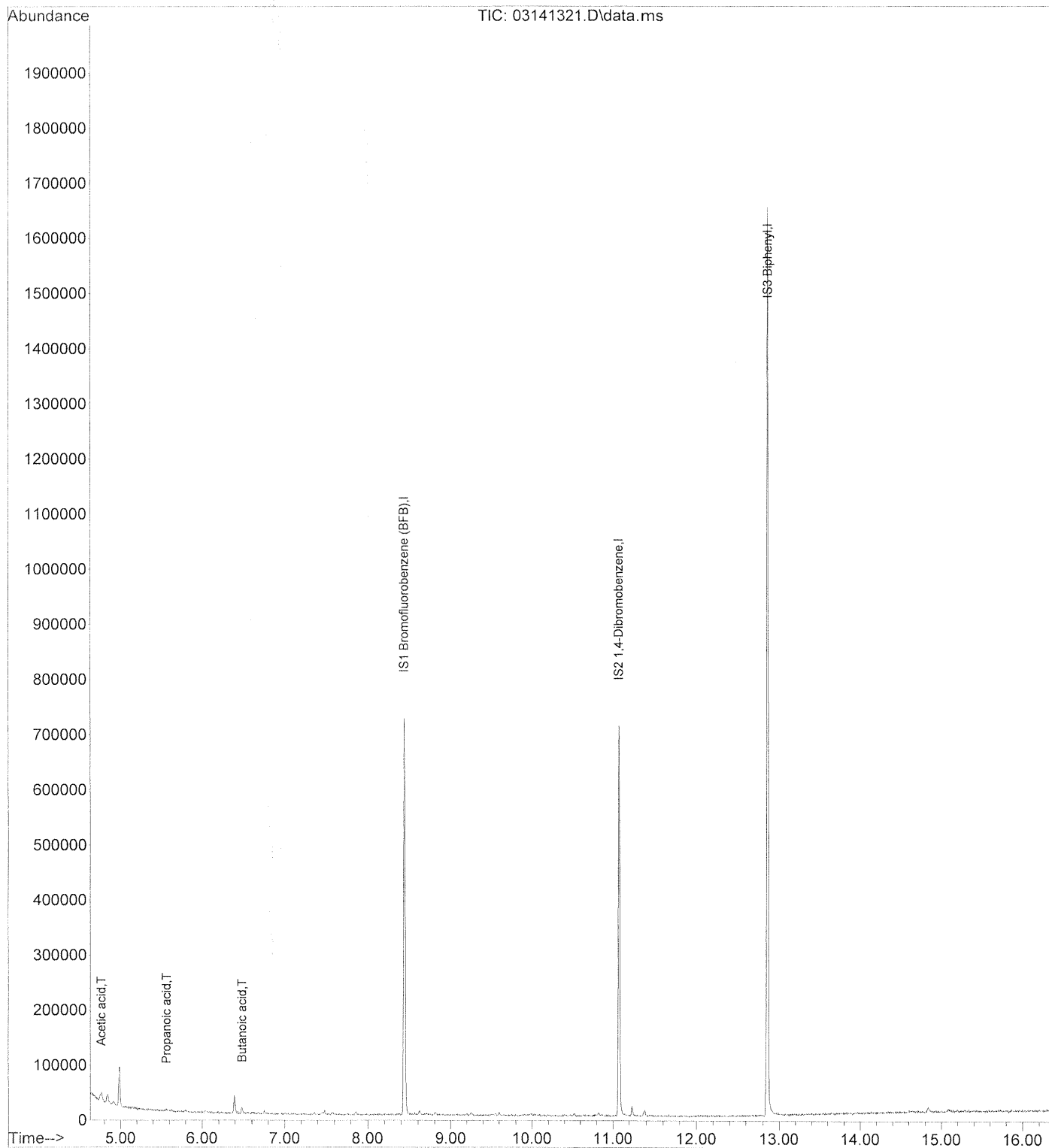
FP 6/14/13

25

UH 6/17/13

Data Path : J:\MS14\DATA\ACIDS\2013_06\14\
Data File : 03141321.D
Acq On : 14 Jun 2013 5:05 pm
Operator : EI
Sample : P1302340-005 Front 1.0ml
Misc :
ALS Vial : 19 Sample Multiplier: 1

Quant Time: Jun 17 09:10:59 2013
Quant Method : J:\MS14\METHODS\CA061013E.M
Quant Title : Short Chain Carboxylic Acids in Air
QLast Update : Tue Jun 11 08:53:59 2013
Response via : Initial Calibration



Data Path : J:\MS14\DATA\ACIDS\2013_06\14\
 Data File : 03141321.D
 Acq On : 14 Jun 2013 5:05 pm
 Operator : EI
 Sample : P1302340-005 Front 1.0ml
 Misc :
 ALS Vial : 19 Sample Multiplier: 1

Quant Time: Jun 17 09:10:59 2013
 Quant Method : J:\MS14\METHODS\CA061013E.M
 Quant Title : Short Chain Carboxylic Acids in Air
 QLast Update : Tue Jun 11 08:53:59 2013
 Response via : Initial Calibration

6/17/13
 65

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) IS1 Bromofluorobenzene...	8.44	95	214197	10.00	ug/ml	0.00
13) IS2 1,4-Dibromobenzene	11.07	236	140763	10.00	ug/ml	0.00
19) IS3 Biphenyl	12.85	154	692500	10.00	ug/ml	0.00

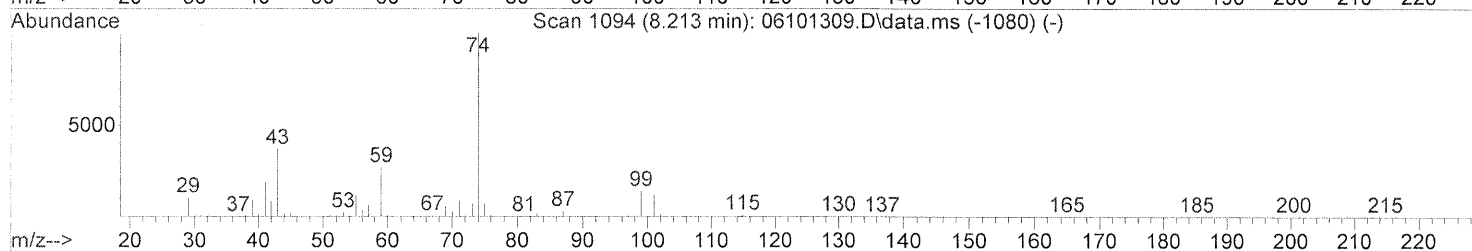
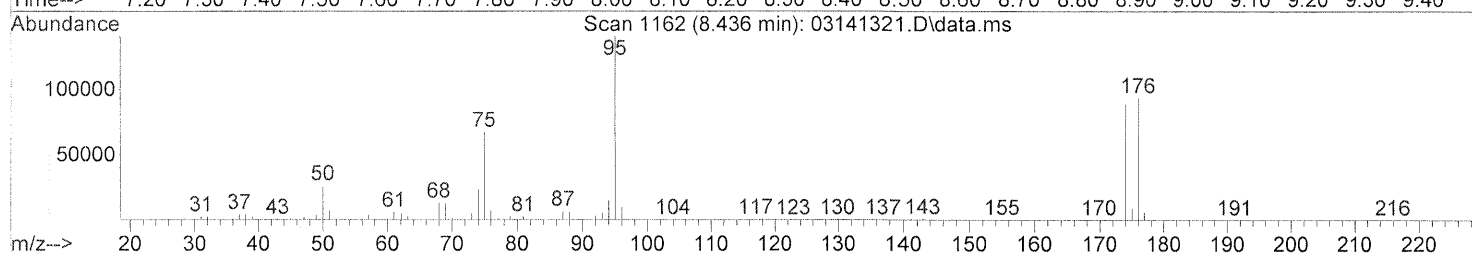
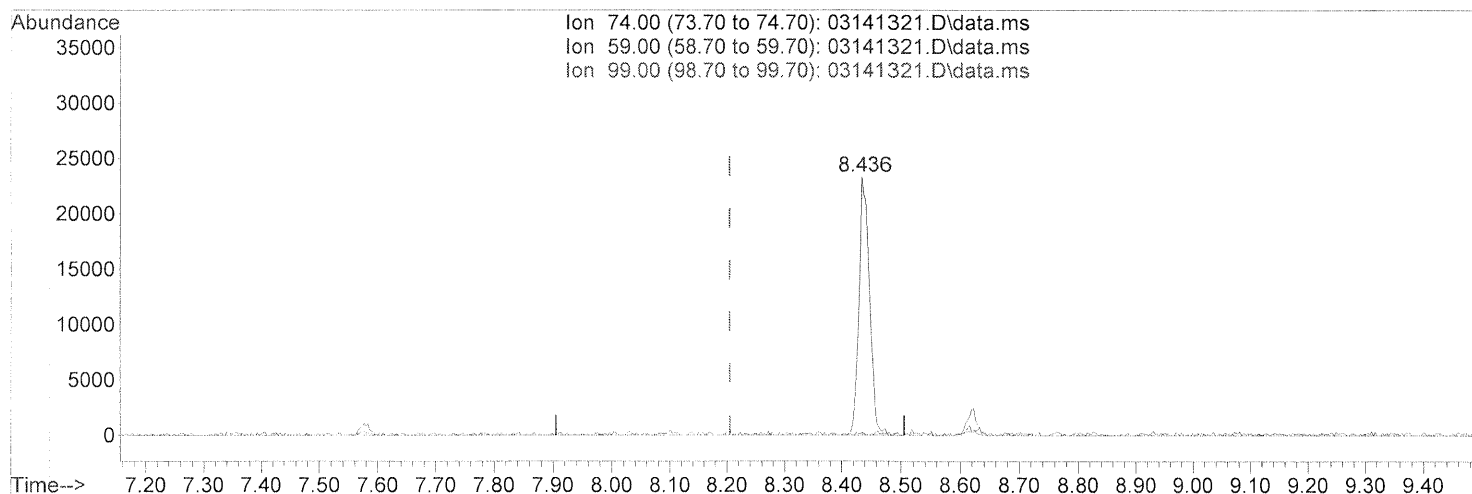
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Acetic acid	4.76	74	1892	0.72	ug/ml#	23
3) Propanoic acid	5.57	57	2227	0.12	ug/ml	83
4) 2-Methylpropanoic acid	6.02	71	69	N.D.		
5) Butanoic acid	6.49	74	2987	0.17	ug/ml	89
6) 2-Methylbutanoic acid	7.00	88	73	N.D.		
7) 3-Methylbutanoic acid	7.08	74	314	N.D.		
8) Pentanoic acid	7.58	74	1248	N.D.		
9) 2-Methylpentanoic acid	7.96	88	24	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	8.62	74	2770	N.D.		
14) Heptanoic acid	9.60	74	1072	N.D.		
15) 2-Ethylhexanoic acid	9.65	87	132	N.D.		
16) Cyclohexanecarboxylic ...	10.15	55	63	N.D.		
17) Octanoic acid	10.53	74	1199	N.D.		
18) Benzoic acid	10.84	105	231	N.D.		
20) Nonanoic acid	11.38	74	3903	N.D.		
21) Decanoic Acid	12.20	74	139	N.D.		

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

Quantitation Report (Qedit)

Data Path : J:\MS14\DATA\ACIDS\2013_06\14\
 Data File : 03141321.D
 Acq On : 14 Jun 2013 5:05 pm
 Operator : EI
 Sample : P1302340-005 Front 1.0ml
 Misc :
 ALS Vial : 19 Sample Multiplier: 1

Quant Time: Jun 15 09:52:48 2013
 Quant Method : J:\MS14\METHODS\CA061013E.M
 Quant Title : Short Chain Carboxylic Acids in Air
 QLast Update : Tue Jun 11 08:53:59 2013
 Response via : Initial Calibration



TIC: 03141321.D\data.ms

(10) 3-Methylpentanoic acid (T)

8.436min (+0.230) 0.67ug/ml

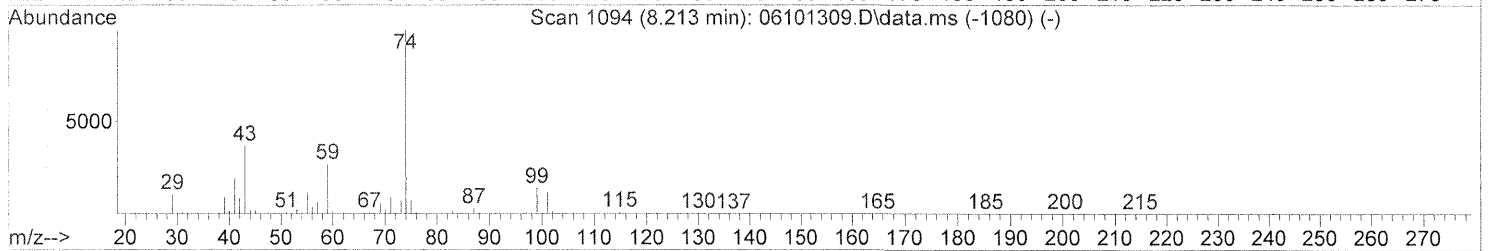
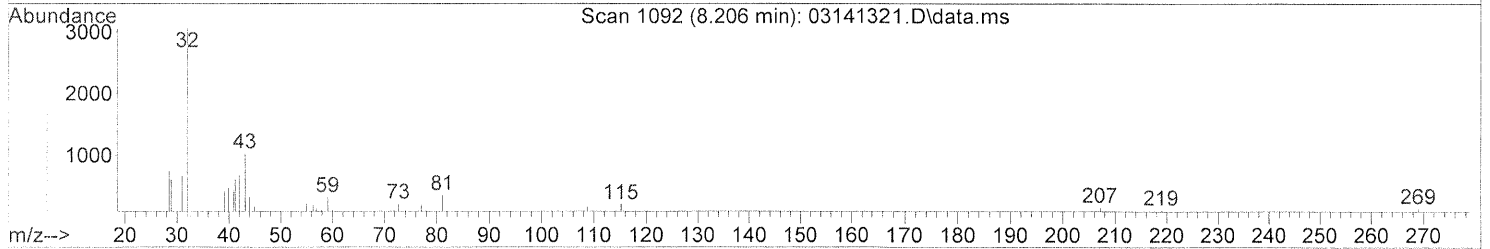
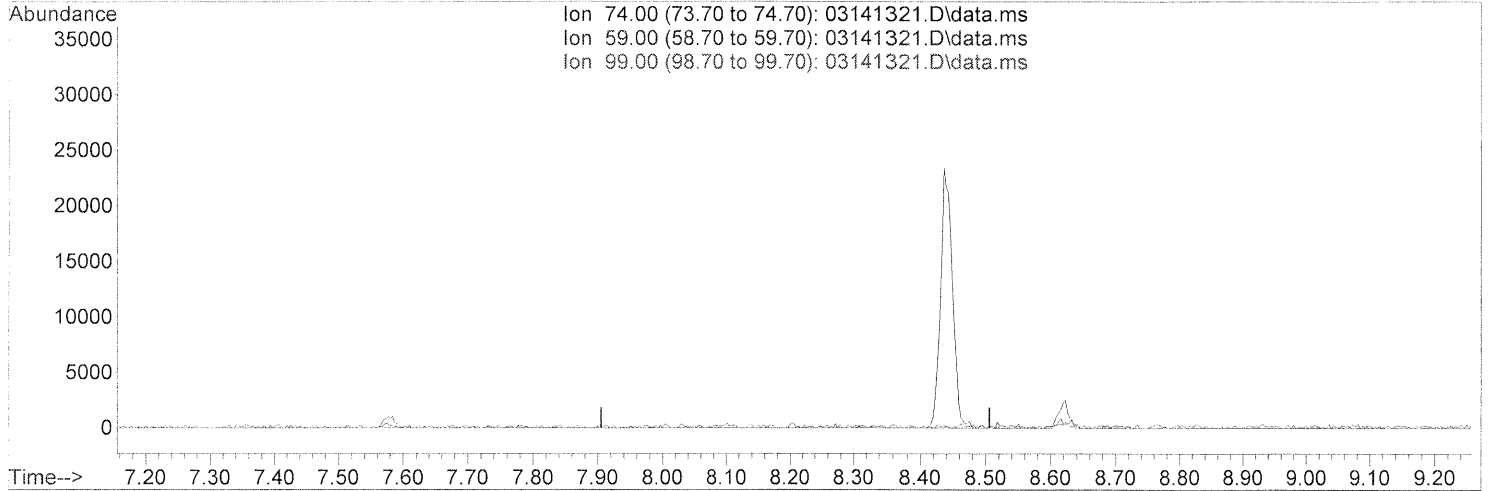
response 29610

Ion	Exp%	Act%
74.00	100	100
59.00	25.70	0.32#
99.00	14.20	0.07
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : J:\MS14\DATA\ACIDS\2013_06\14\
 Data File : 03141321.D
 Acq On : 14 Jun 2013 5:05 pm
 Operator : EI
 Sample : P1302340-005 Front 1.0ml
 Misc :
 ALS Vial : 19 Sample Multiplier: 1

Quant Time: Jun 15 09:52:48 2013
 Quant Method : J:\MS14\METHODS\CA061013E.M
 Quant Title : Short Chain Carboxylic Acids in Air
 QLast Update : Tue Jun 11 08:53:59 2013
 Response via : Initial Calibration



TIC: 03141321.D\data.ms

(10) 3-Methylpentanoic acid (T)

8.206min 0.00ug/ml d

response 0

Ion	Exp%	Act%
74.00	100	0.00
59.00	25.70	0.00
99.00	14.20	0.00
0.00	0.00	0.00

FP 6/17/13

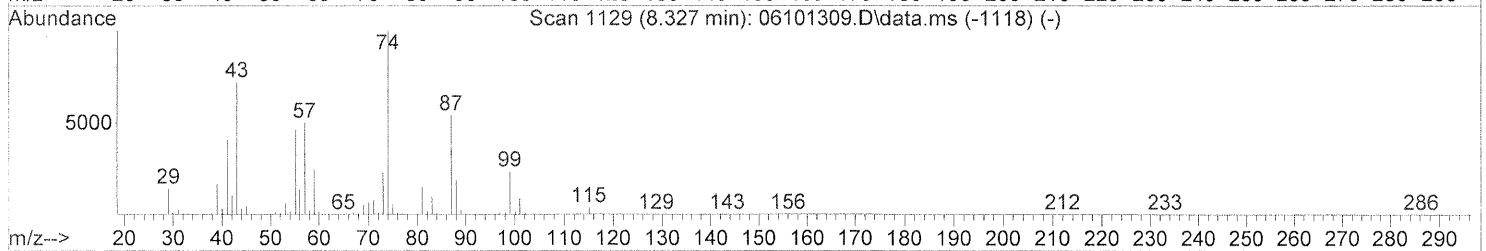
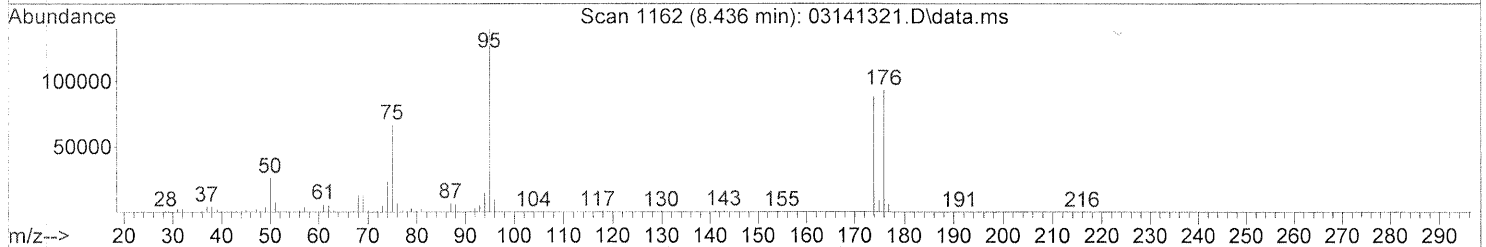
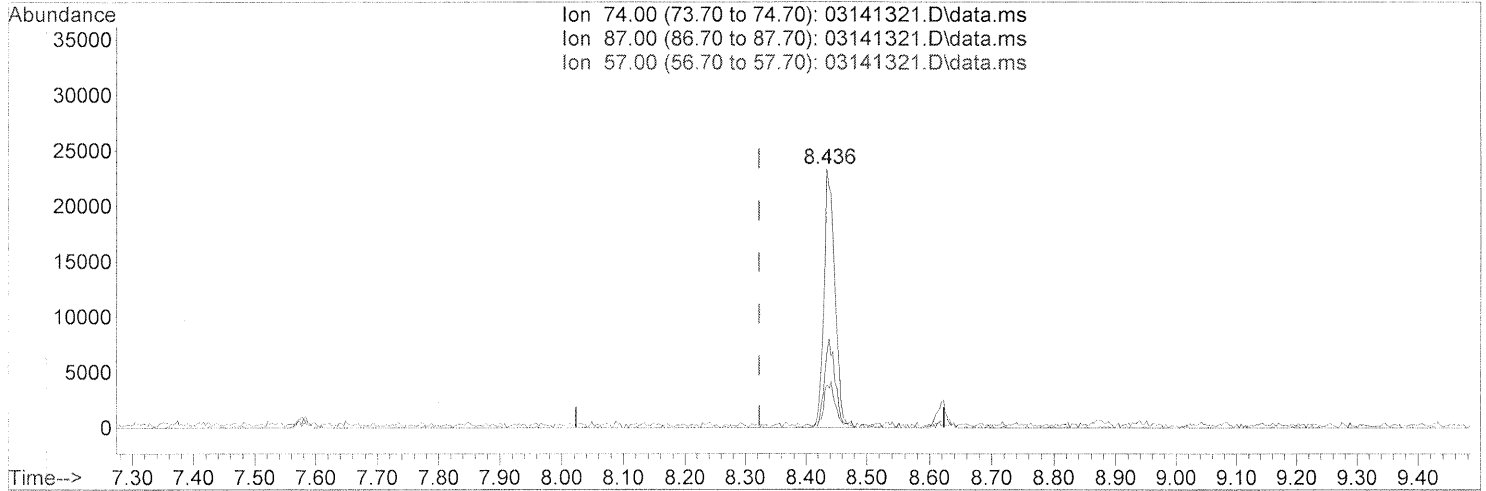
ET

in 6/17/13

Quantitation Report (Qedit)

Data Path : J:\MS14\DATA\ACIDS\2013_06\14\
 Data File : 03141321.D
 Acq On : 14 Jun 2013 5:05 pm
 Operator : EI
 Sample : P1302340-005 Front 1.0ml
 Misc :
 ALS Vial : 19 Sample Multiplier: 1

Quant Time: Jun 15 09:52:48 2013
 Quant Method : J:\MS14\METHODS\CA061013E.M
 Quant Title : Short Chain Carboxylic Acids in Air
 QLast Update : Tue Jun 11 08:53:59 2013
 Response via : Initial Calibration



TIC: 03141321.D\data.ms

(11) 4-Methylpentanoic acid (T)

8.436min (+0.112) 1.29ug/ml

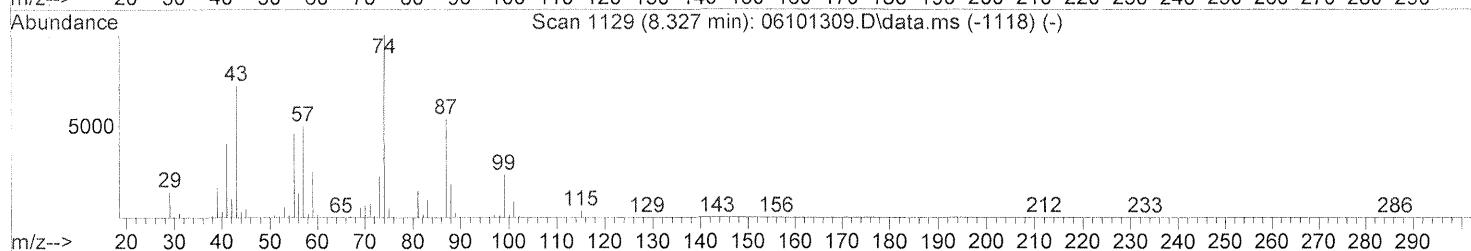
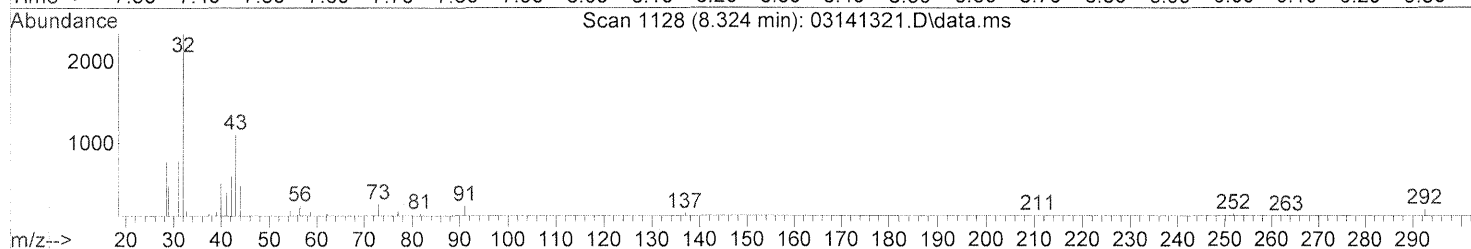
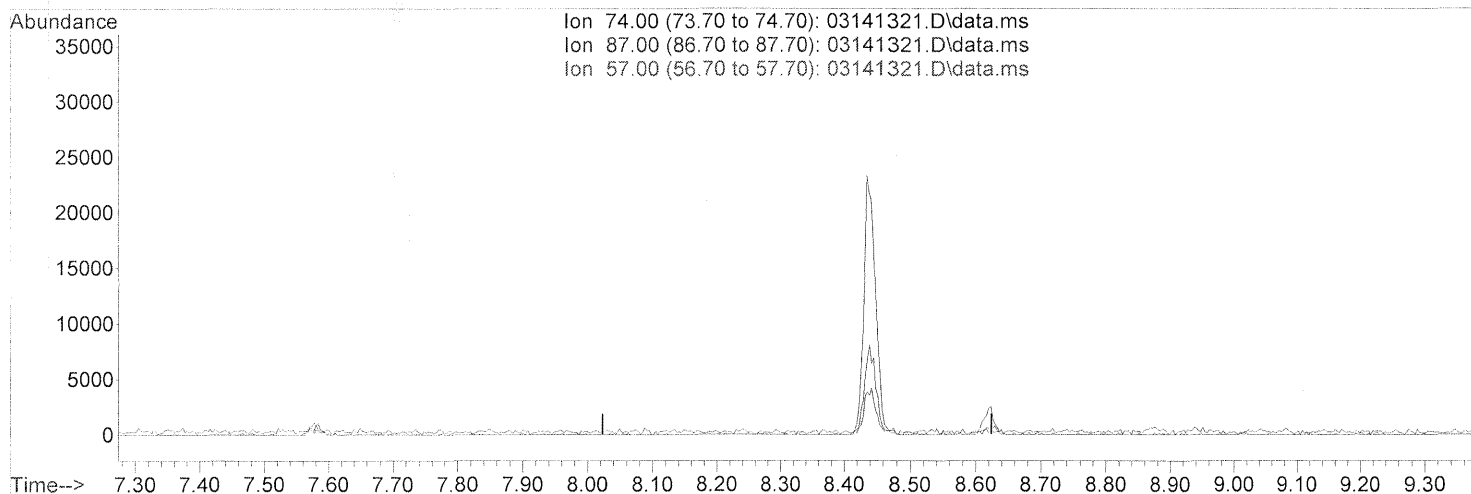
response 29610

Ion	Exp%	Act%
74.00	100	100
87.00	54.70	34.08#
57.00	48.10	17.13#
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : J:\MS14\DATA\ACIDS\2013_06\14\
 Data File : 03141321.D
 Acq On : 14 Jun 2013 5:05 pm
 Operator : EI
 Sample : P1302340-005 Front 1.0ml
 Misc :
 ALS Vial : 19 Sample Multiplier: 1

Quant Time: Jun 15 09:52:48 2013
 Quant Method : J:\MS14\METHODS\CA061013E.M
 Quant Title : Short Chain Carboxylic Acids in Air
 QLast Update : Tue Jun 11 08:53:59 2013
 Response via : Initial Calibration



TIC: 03141321.D\data.ms

(11) 4-Methylpentanoic acid (T)

8.324min 0.00ug/ml d

response 0

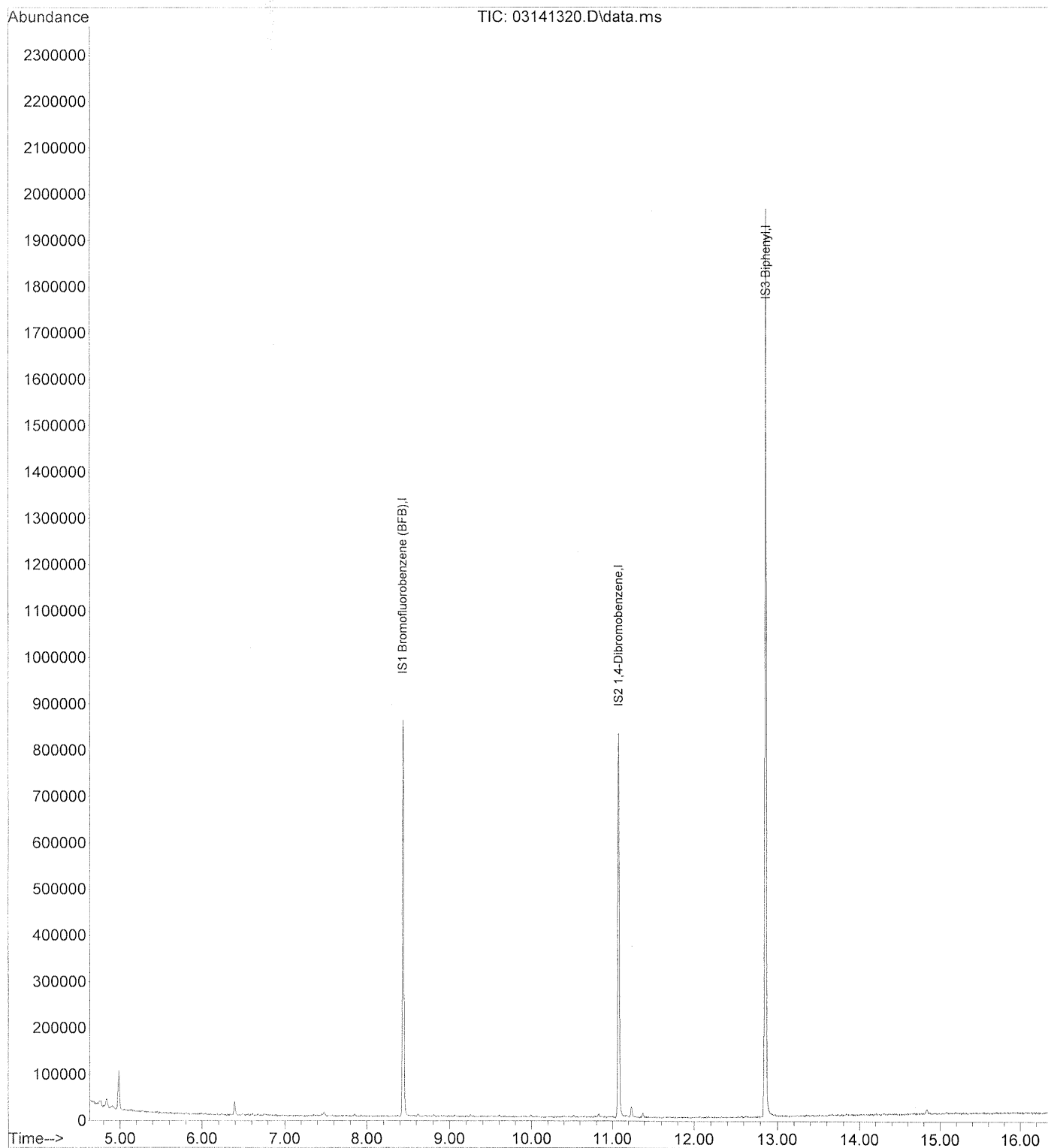
Ion	Exp%	Act%
74.00	100	0.00
87.00	54.70	0.00
57.00	48.10	0.00
0.00	0.00	0.00

FP 6/17/13
 EI

in 6/17/13

Data Path : J:\MS14\DATA\ACIDS\2013_06\14\
Data File : 03141320.D
Acq On : 14 Jun 2013 4:43 pm
Operator : EI
Sample : P1302340-005 Back 1.0ml
Misc :
ALS Vial : 18 Sample Multiplier: 1

Quant Time: Jun 17 09:10:01 2013
Quant Method : J:\MS14\METHODS\CA061013E.M
Quant Title : Short Chain Carboxylic Acids in Air
QLast Update : Tue Jun 11 08:53:59 2013
Response via : Initial Calibration



Data Path : J:\MS14\DATA\ACIDS\2013_06\14\
 Data File : 03141320.D
 Acq On : 14 Jun 2013 4:43 pm
 Operator : EI
 Sample : P1302340-005 Back 1.0ml
 Misc :
 ALS Vial : 18 Sample Multiplier: 1

6/17/13
 EE

Quant Time: Jun 17 09:10:01 2013
 Quant Method : J:\MS14\METHODS\CA061013E.M
 Quant Title : Short Chain Carboxylic Acids in Air
 QLast Update : Tue Jun 11 08:53:59 2013
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) IS1 Bromofluorobenzene...	8.44	95	251057	10.00	ug/ml	0.00
13) IS2 1,4-Dibromobenzene	11.08	236	174097	10.00	ug/ml	0.00
19) IS3 Biphenyl	12.85	154	840020	10.00	ug/ml	0.00

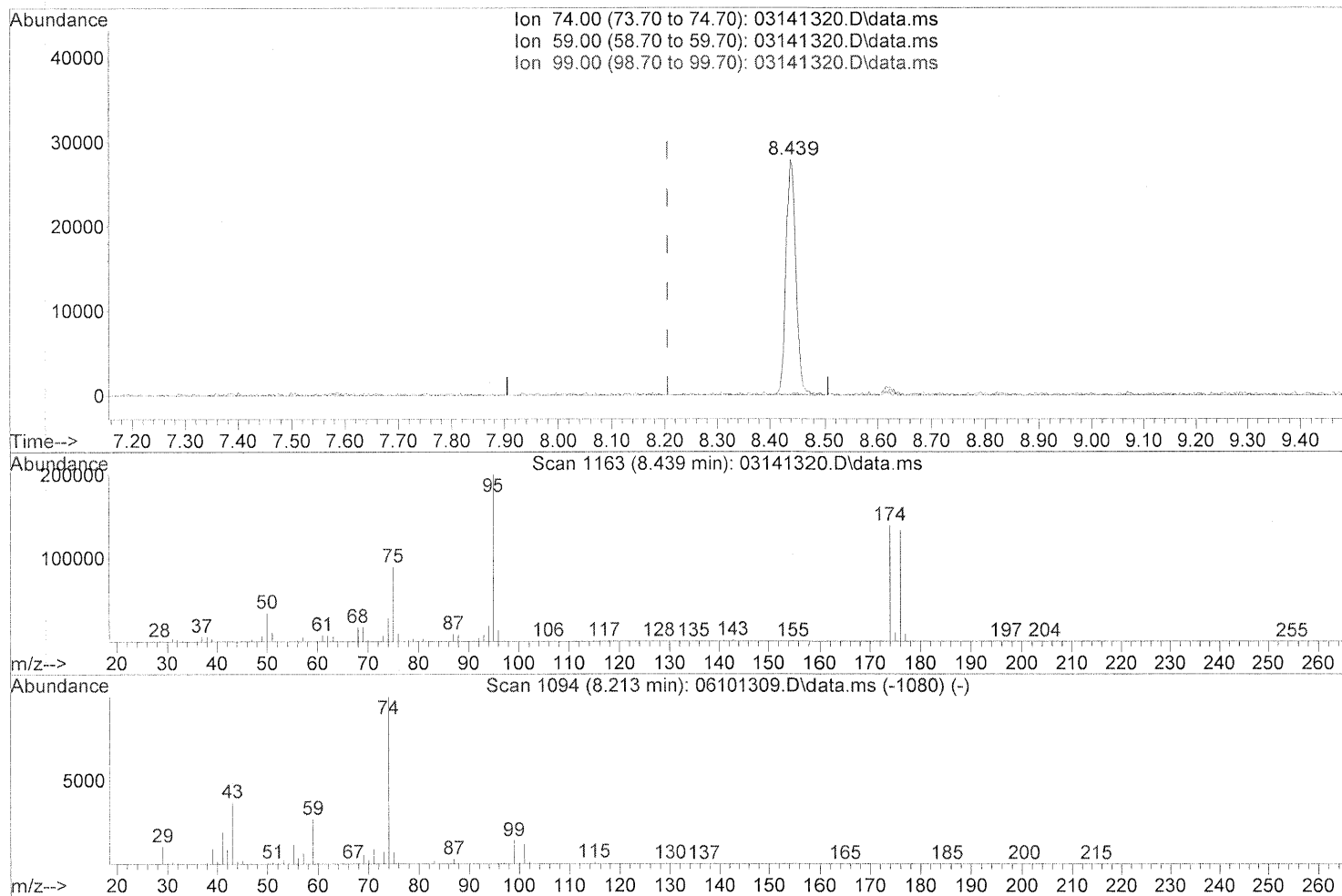
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Acetic acid	4.75	74	73	N.D.		
3) Propanoic acid	5.55	57	406	N.D.		
4) 2-Methylpropanoic acid	6.02	71	61	N.D.		
5) Butanoic acid	6.48	74	167	N.D.		
6) 2-Methylbutanoic acid	7.02	88	21	N.D.		
7) 3-Methylbutanoic acid	7.04	74	21	N.D.		
8) Pentanoic acid	7.56	74	74	N.D.		
9) 2-Methylpentanoic acid	7.97	88	35	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	8.62	74	1272	N.D.		
14) Heptanoic acid	9.60	74	652	N.D.		
15) 2-Ethylhexanoic acid	9.66	87	22	N.D.		
16) Cyclohexanecarboxylic ...	10.16	55	20	N.D.		
17) Octanoic acid	10.52	74	1613	N.D.		
18) Benzoic acid	10.83	105	261	N.D.		
20) Nonanoic acid	11.38	74	2775	N.D.		
21) Decanoic Acid	12.19	74	177	N.D.		

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

Quantitation Report (Qedit)

Data Path : J:\MS14\DATA\ACIDS\2013_06\14\
 Data File : 03141320.D
 Acq On : 14 Jun 2013 4:43 pm
 Operator : EI
 Sample : P1302340-005 Back 1.0ml
 Misc :
 ALS Vial : 18 Sample Multiplier: 1

Quant Time: Jun 14 17:18:21 2013
 Quant Method : J:\MS14\METHODS\CA061013E.M
 Quant Title : Short Chain Carboxylic Acids in Air
 QLast Update : Tue Jun 11 08:53:59 2013
 Response via : Initial Calibration



TIC: 03141320.D\data.ms

(10) 3-Methylpentanoic acid (T)

8.439min (+0.233) 0.69ug/ml

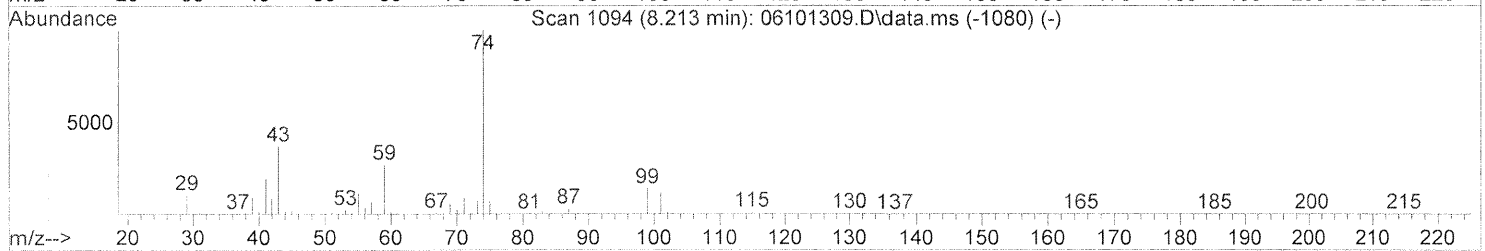
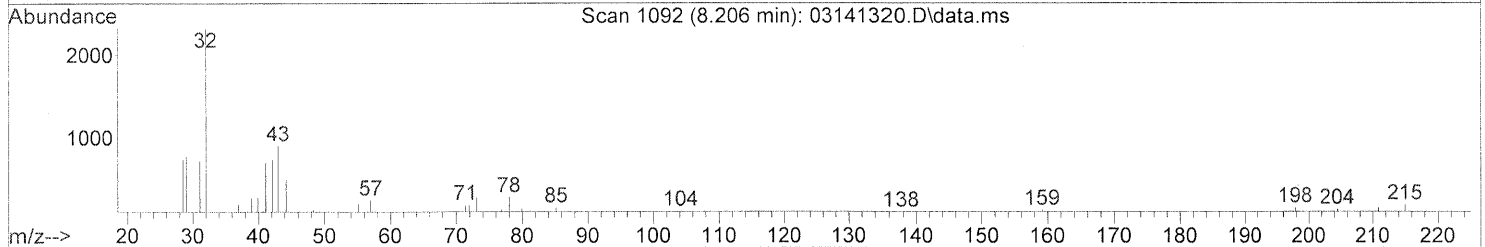
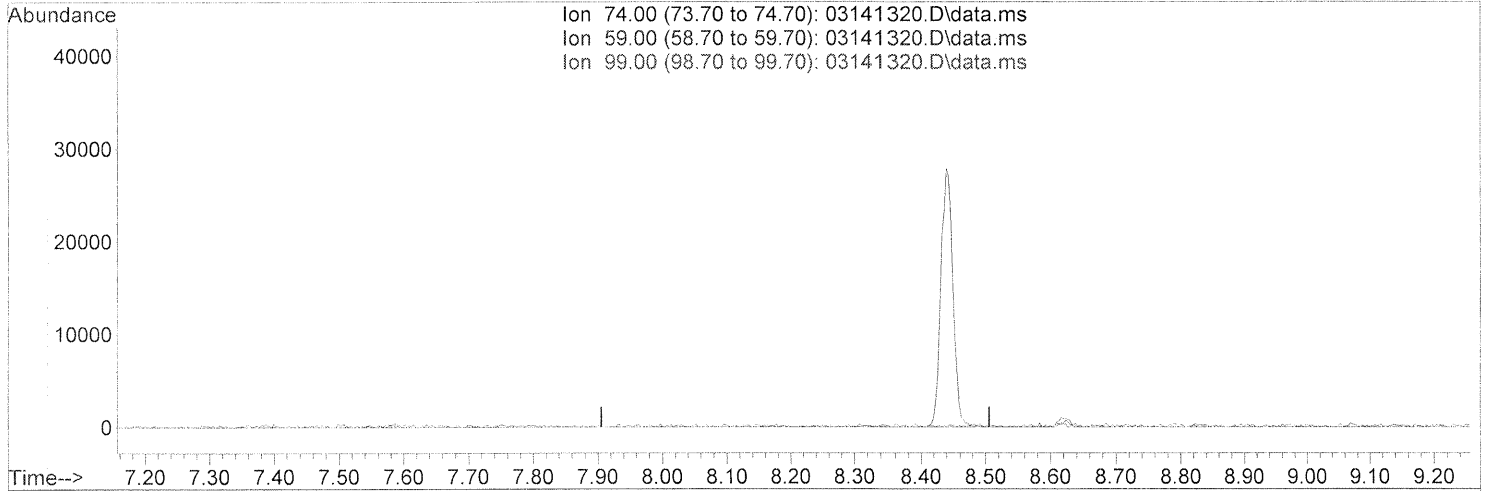
response 35773

Ion	Exp%	Act%
74.00	100	100
59.00	25.70	0.59#
99.00	14.20	0.06
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : J:\MS14\DATA\ACIDS\2013_06\14\
 Data File : 03141320.D
 Acq On : 14 Jun 2013 4:43 pm
 Operator : EI
 Sample : P1302340-005 Back 1.0ml
 Misc :
 ALS Vial : 18 Sample Multiplier: 1

Quant Time: Jun 14 17:18:21 2013
 Quant Method : J:\MS14\METHODS\CA061013E.M
 Quant Title : Short Chain Carboxylic Acids in Air
 QLast Update : Tue Jun 11 08:53:59 2013
 Response via : Initial Calibration



TIC: 03141320.D\data.ms

(10) 3-Methylpentanoic acid (T)

8.206min 0.00ug/ml d

response 0

Ion	Exp%	Act%
74.00	100	0.00
59.00	25.70	0.00
99.00	14.20	0.00
0.00	0.00	0.00

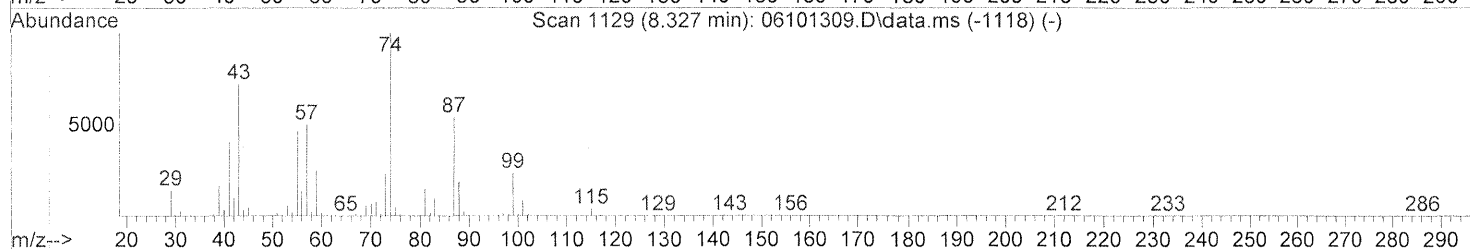
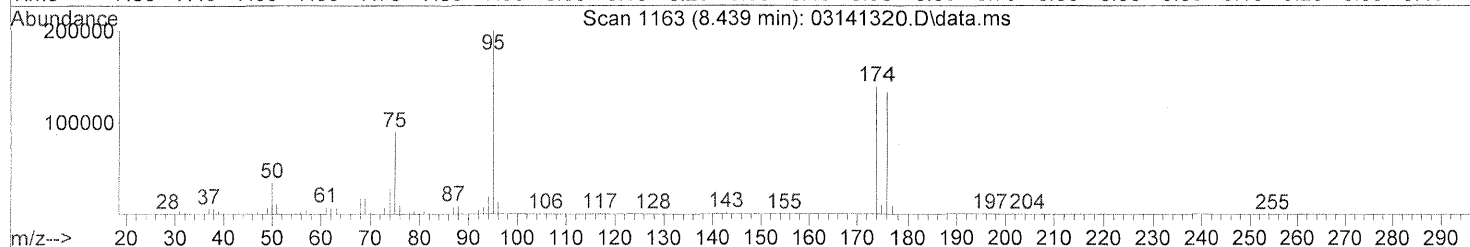
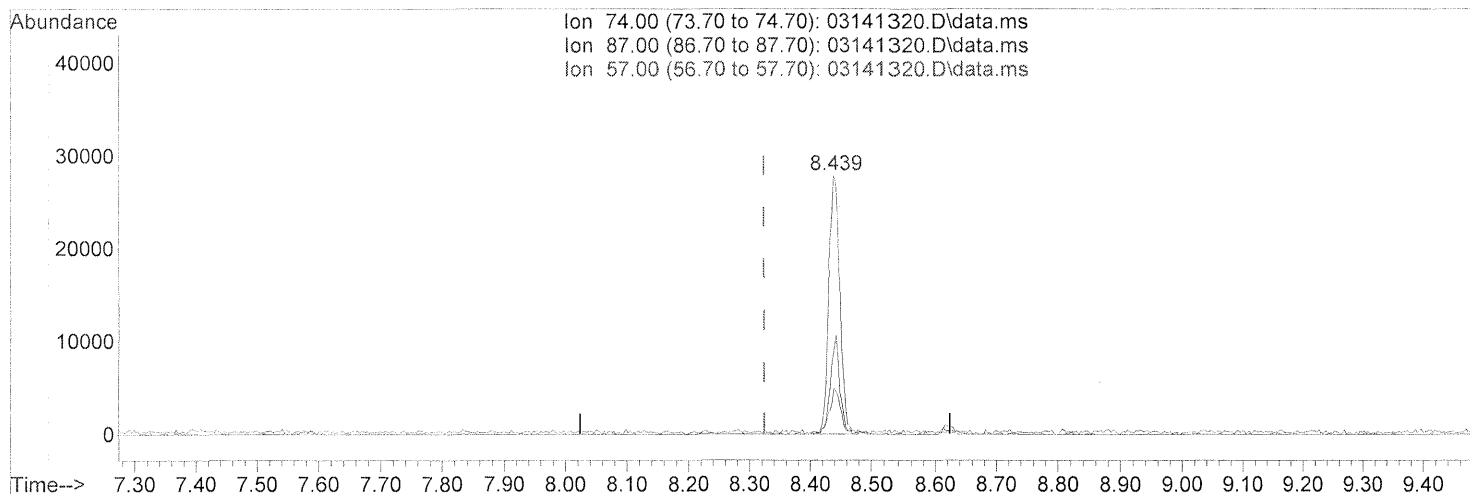
FP 6/17/13
 ET

W 6/17/13

Quantitation Report (Qedit)

Data Path : J:\MS14\DATA\ACIDS\2013_06\14\
 Data File : 03141320.D
 Acq On : 14 Jun 2013 4:43 pm
 Operator : EI
 Sample : P1302340-005 Back 1.0ml
 Misc :
 ALS Vial : 18 Sample Multiplier: 1

Quant Time: Jun 14 17:18:21 2013
 Quant Method : J:\MS14\METHODS\CA061013E.M
 Quant Title : Short Chain Carboxylic Acids in Air
 QLast Update : Tue Jun 11 08:53:59 2013
 Response via : Initial Calibration



TIC: 03141320.D\data.ms

(11) 4-Methylpentanoic acid (T)

8.439min (+0.115) 1.33ug/ml

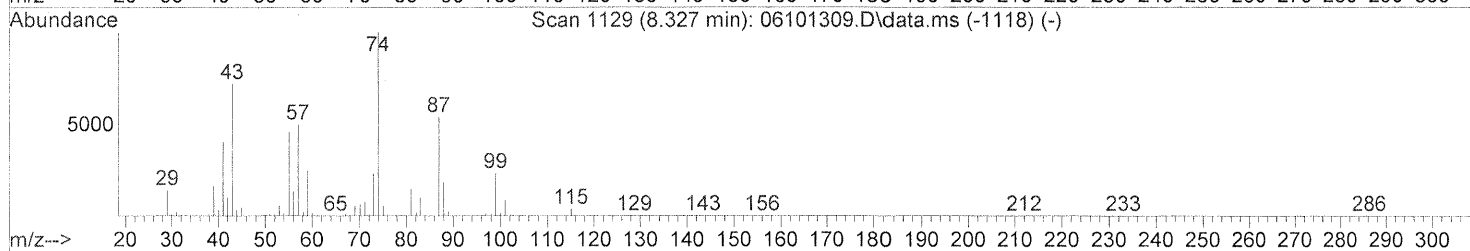
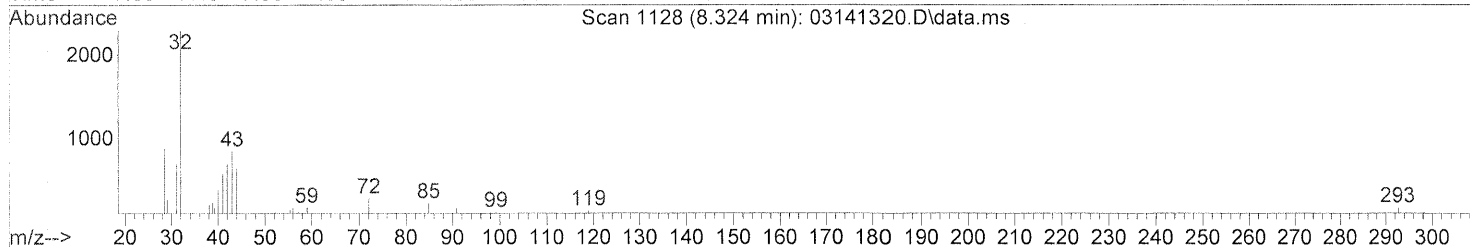
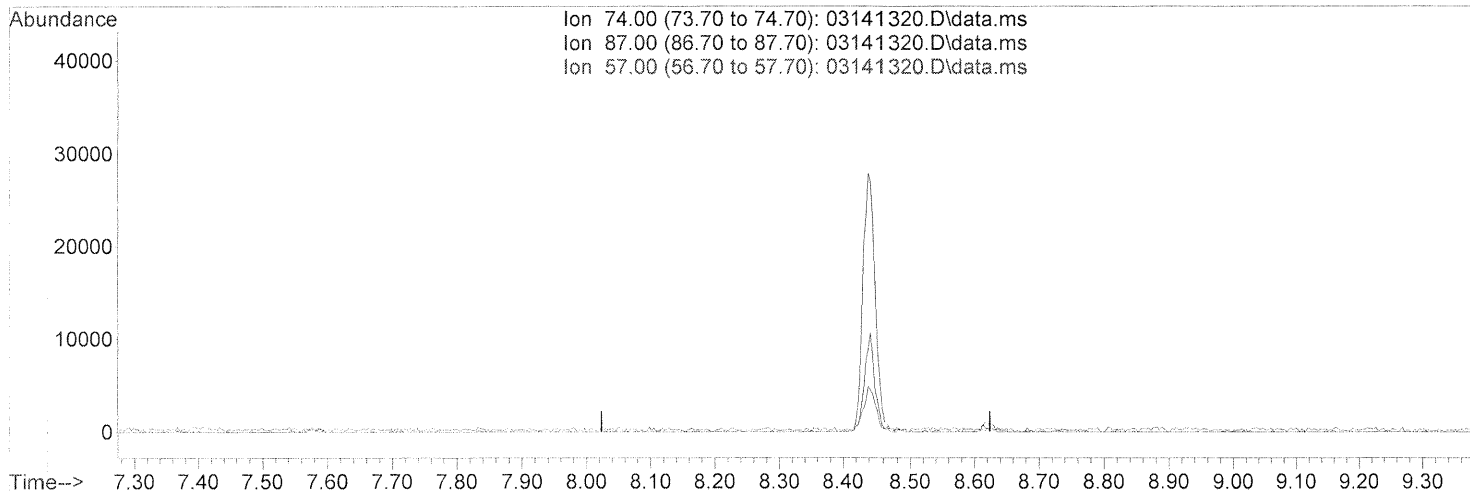
response 35773

Ion	Exp%	Act%
74.00	100	100
87.00	54.70	32.19#
57.00	48.10	16.29#
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : J:\MS14\DATA\ACIDS\2013_06\14\
 Data File : 03141320.D
 Acq On : 14 Jun 2013 4:43 pm
 Operator : EI
 Sample : P1302340-005 Back 1.0ml
 Misc :
 ALS Vial : 18 Sample Multiplier: 1

Quant Time: Jun 14 17:18:21 2013
 Quant Method : J:\MS14\METHODS\CA061013E.M
 Quant Title : Short Chain Carboxylic Acids in Air
 QLast Update : Tue Jun 11 08:53:59 2013
 Response via : Initial Calibration



TIC: 03141320.D\data.ms

(11) 4-Methylpentanoic acid (T)

8.324min 0.00ug/ml d

response 0

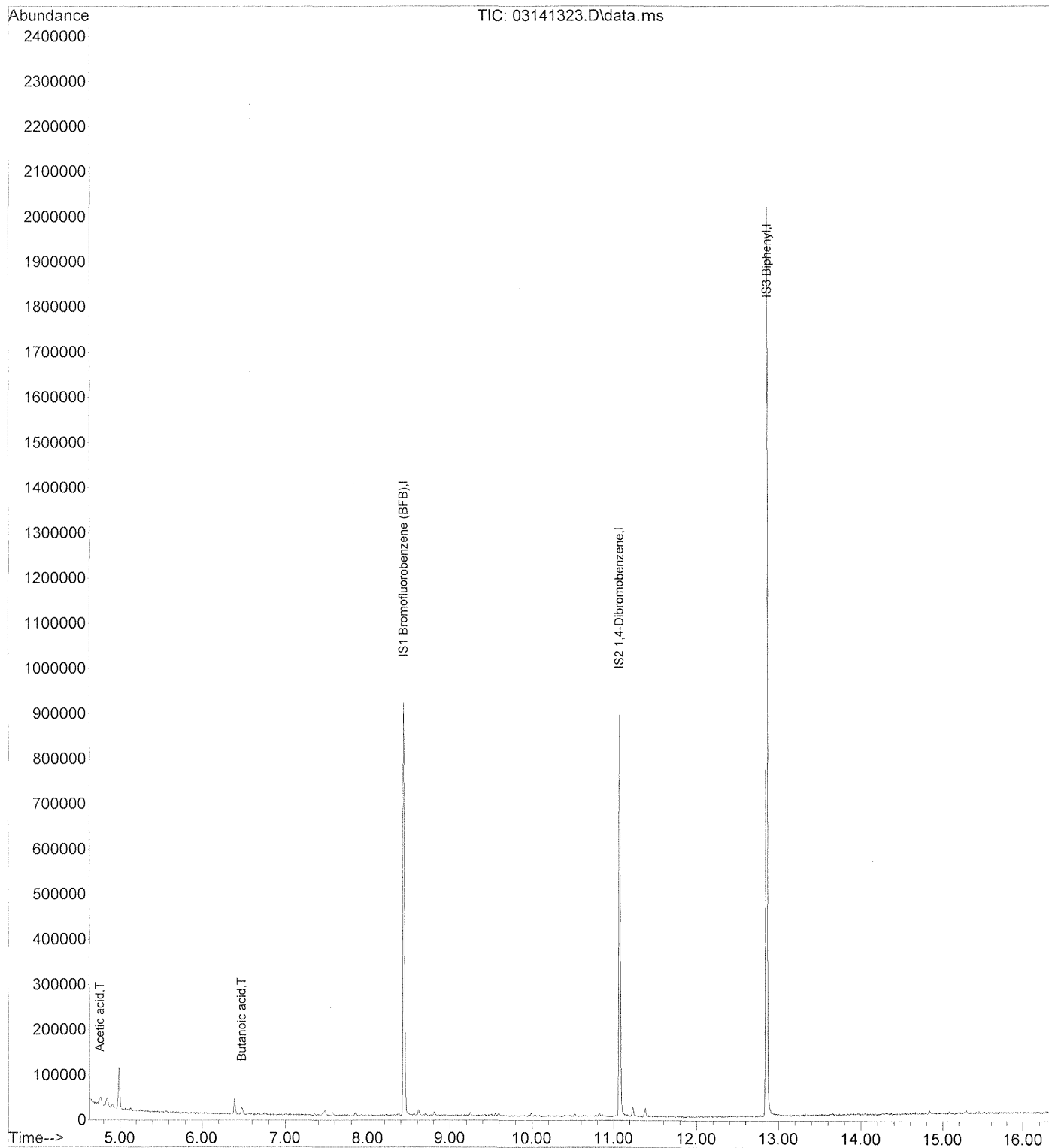
Ion	Exp%	Act%
74.00	100	0.00
87.00	54.70	0.00
57.00	48.10	0.00
0.00	0.00	0.00

FP 6/17/13
 EI

W 6/17/13

Data Path : J:\MS14\DATA\ACIDS\2013_06\14\
Data File : 03141323.D
Acq On : 14 Jun 2013 5:49 pm
Operator : EI
Sample : P1302340-006 Front 1.0ml
Misc :
ALS Vial : 21 Sample Multiplier: 1

Quant Time: Jun 17 09:12:59 2013
Quant Method : J:\MS14\METHODS\CA061013E.M
Quant Title : Short Chain Carboxylic Acids in Air
QLast Update : Tue Jun 11 08:53:59 2013
Response via : Initial Calibration



Data Path : J:\MS14\DATA\ACIDS\2013_06\14\
 Data File : 03141323.D
 Acq On : 14 Jun 2013 5:49 pm
 Operator : EI
 Sample : P1302340-006 Front 1.0ml
 Misc :
 ALS Vial : 21 Sample Multiplier: 1

Quant Time: Jun 17 09:12:59 2013
 Quant Method : J:\MS14\METHODS\CA061013E.M
 Quant Title : Short Chain Carboxylic Acids in Air
 QLast Update : Tue Jun 11 08:53:59 2013
 Response via : Initial Calibration

6/17/13
 EE

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev (Min)
1) IS1 Bromofluorobenzene...	8.44	95	276304	10.00	ug/ml	0.00
13) IS2 1,4-Dibromobenzene	11.07	236	179682	10.00	ug/ml	0.00
19) IS3 Biphenyl	12.85	154	886981	10.00	ug/ml	0.00

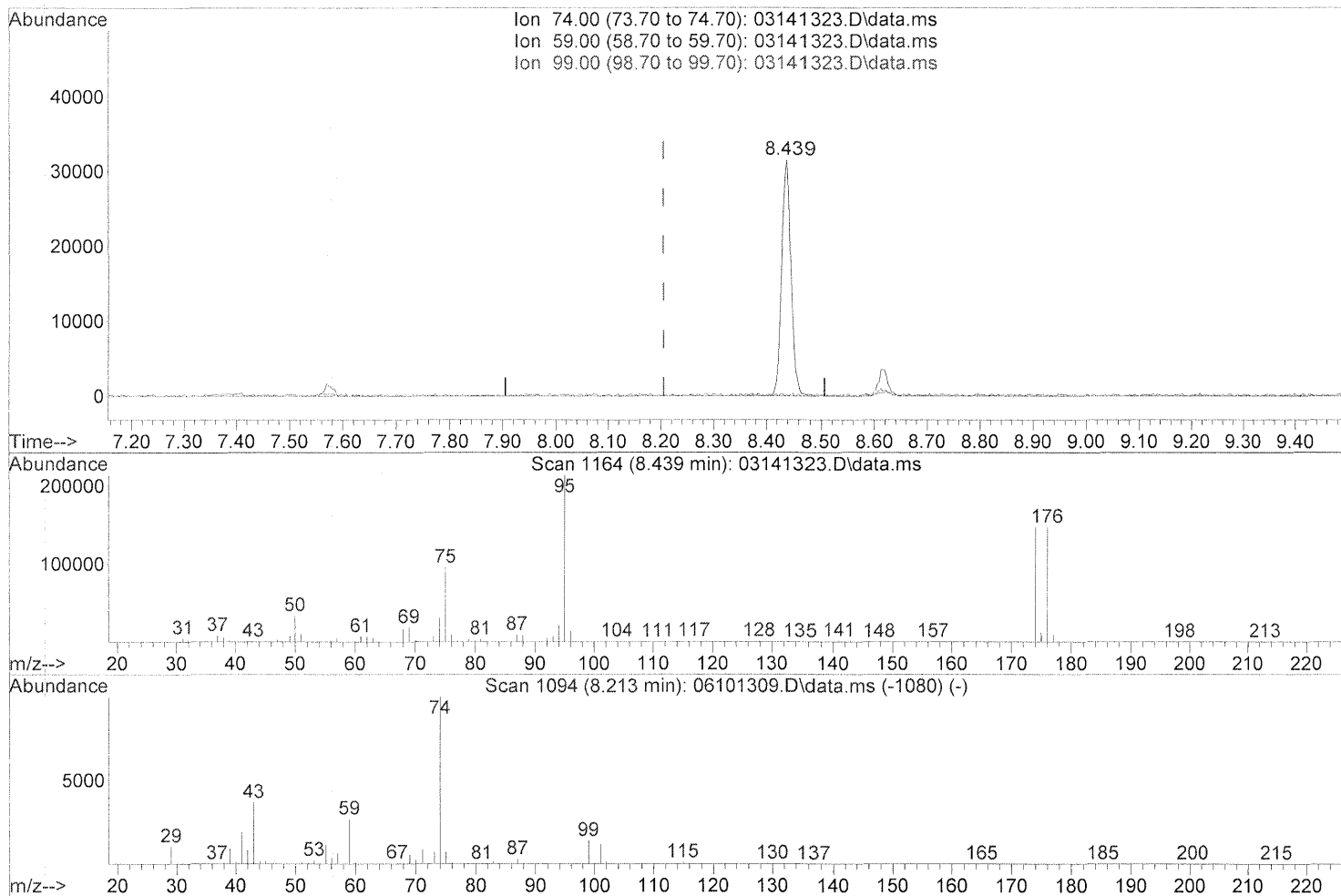
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Acetic acid	4.75	74	1430	0.42	ug/ml#	1
3) Propanoic acid	5.56	57	1270	N.D.		
4) 2-Methylpropanoic acid	6.01	71	26	N.D.		
5) Butanoic acid	6.48	74	4293	0.19	ug/ml	87
6) 2-Methylbutanoic acid	6.99	88	69	N.D.		
7) 3-Methylbutanoic acid	7.06	74	51	N.D.		
8) Pentanoic acid	7.57	74	1864	N.D.		
9) 2-Methylpentanoic acid	7.97	88	107	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	8.62	74	4457	N.D.		
14) Heptanoic acid	9.60	74	1735	N.D.		
15) 2-Ethylhexanoic acid	9.66	87	217	N.D.		
16) Cyclohexanecarboxylic ...	10.17	55	62	N.D.		
17) Octanoic acid	10.52	74	2403	N.D.		
18) Benzoic acid	10.83	105	441	N.D.		
20) Nonanoic acid	11.39	74	6549	N.D.		
21) Decanoic Acid	12.19	74	362	N.D.		

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

Quantitation Report (Qedit)

Data Path : J:\MS14\DATA\ACIDS\2013_06\14\
 Data File : 03141323.D
 Acq On : 14 Jun 2013 5:49 pm
 Operator : EI
 Sample : P1302340-006 Front 1.0ml
 Misc :
 ALS Vial : 21 Sample Multiplier: 1

Quant Time: Jun 15 09:53:12 2013
 Quant Method : J:\MS14\METHODS\CA061013E.M
 Quant Title : Short Chain Carboxylic Acids in Air
 QLast Update : Tue Jun 11 08:53:59 2013
 Response via : Initial Calibration



TIC: 03141323.D\data.ms

(10) 3-Methylpentanoic acid (T)

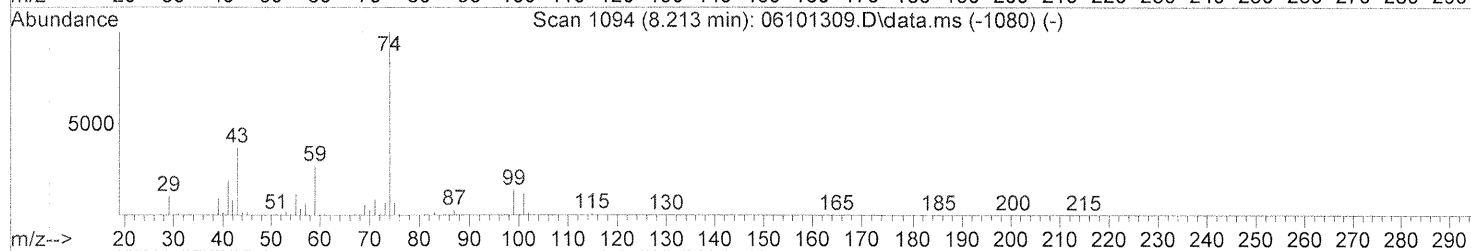
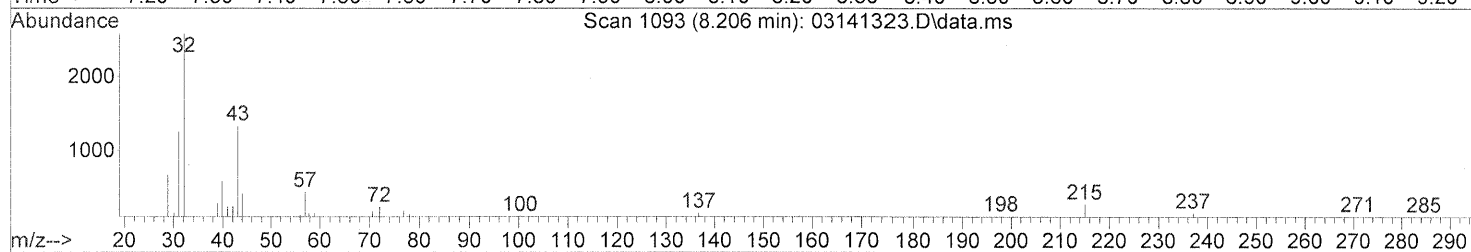
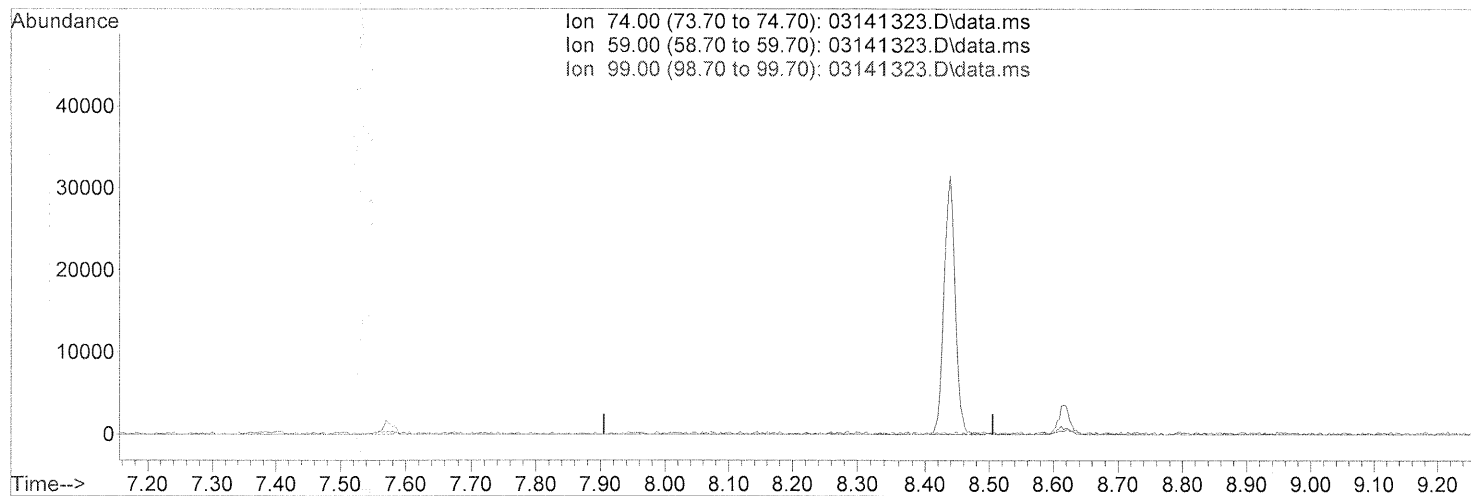
8.439min (+0.233) 0.67ug/ml

response 38460

Ion	Exp%	Act%
74.00	100	100
59.00	25.70	0.27#
99.00	14.20	0.00
0.00	0.00	0.00

Data Path : J:\MS14\DATA\ACIDS\2013_06\14\
Data File : 03141323.D
Acq On : 14 Jun 2013 5:49 pm
Operator : EI
Sample : P1302340-006 Front 1.0ml
Misc :
ALS Vial : 21 Sample Multiplier: 1

Quant Time: Jun 15 09:53:12 2013
Quant Method : J:\MS14\METHODS\CA061013E.M
Quant Title : Short Chain Carboxylic Acids in Air
QLast Update : Tue Jun 11 08:53:59 2013
Response via : Initial Calibration



TIC: 03141323.D\data.ms

(10) 3-Methylpentanoic acid (T)

8.206min 0.00ug/ml d

response 0

Ion	Exp%	Act%
74.00	100	0.00
59.00	25.70	0.00
99.00	14.20	0.00
0.00	0.00	0.00

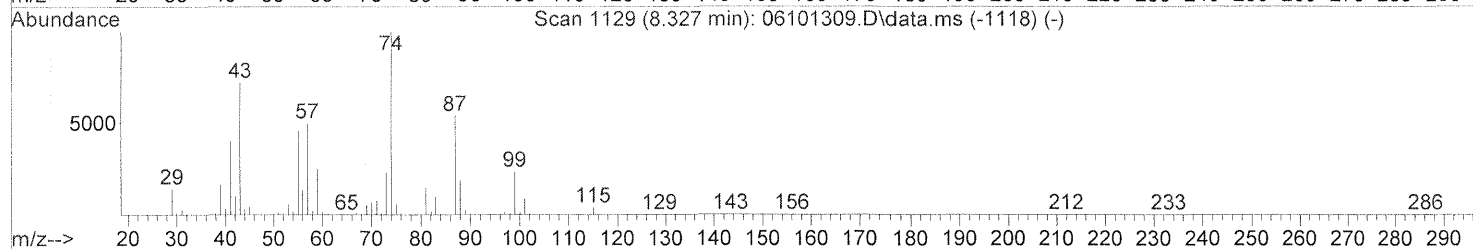
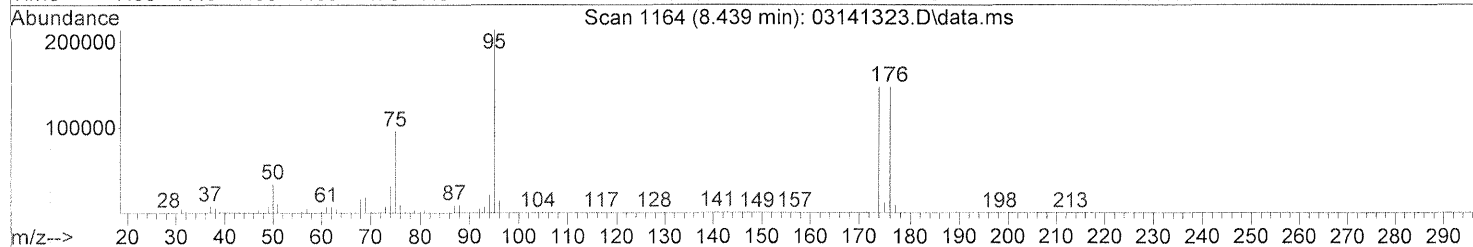
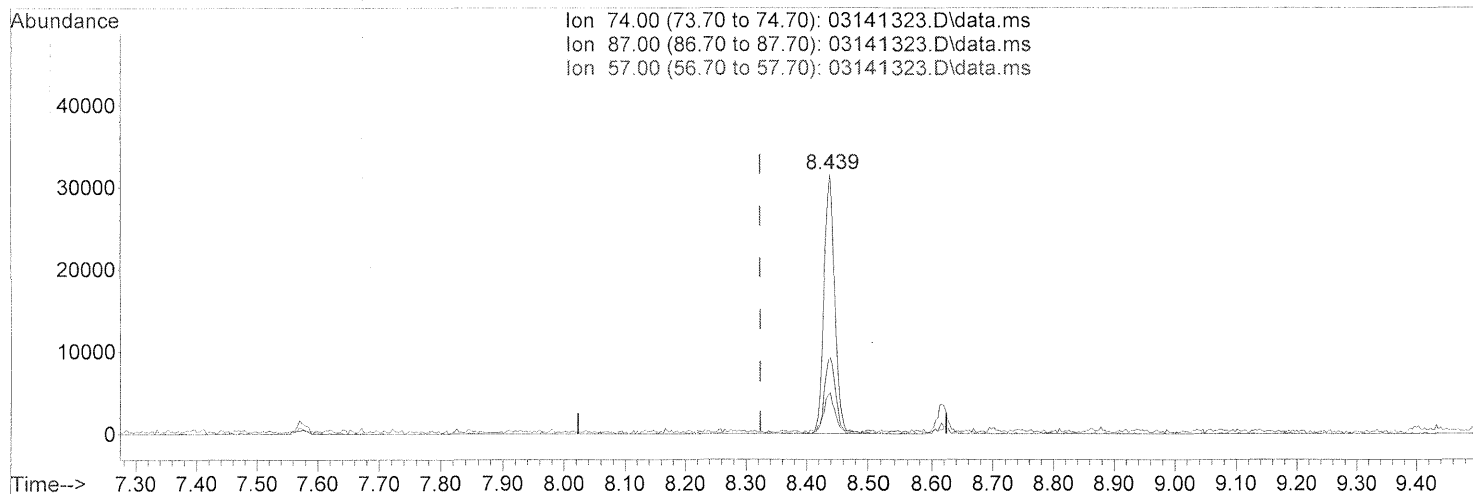
FP 6/17/13
EI

in 6/17/13

Quantitation Report (Qedit)

Data Path : J:\MS14\DATA\ACIDS\2013_06\14\
 Data File : 03141323.D
 Acq On : 14 Jun 2013 5:49 pm
 Operator : EI
 Sample : P1302340-006 Front 1.0ml
 Misc :
 ALS Vial : 21 Sample Multiplier: 1

Quant Time: Jun 15 09:53:12 2013
 Quant Method : J:\MS14\METHODS\CA061013E.M
 Quant Title : Short Chain Carboxylic Acids in Air
 QLast Update : Tue Jun 11 08:53:59 2013
 Response via : Initial Calibration



TIC: 03141323.D\data.ms

(11) 4-Methylpentanoic acid (T)

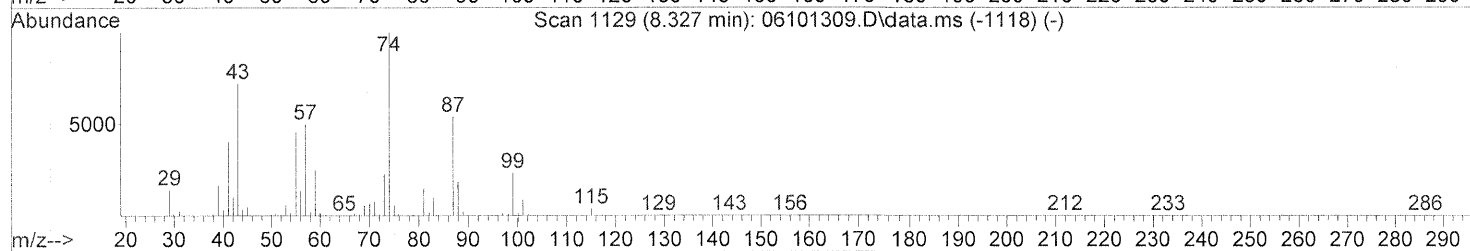
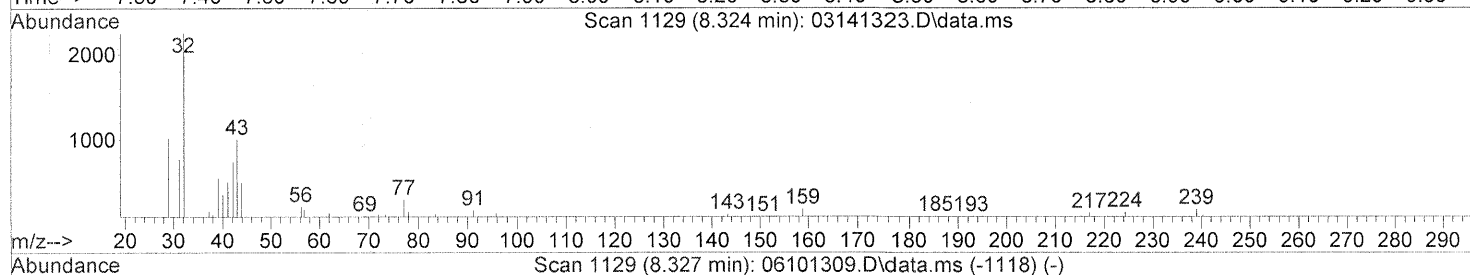
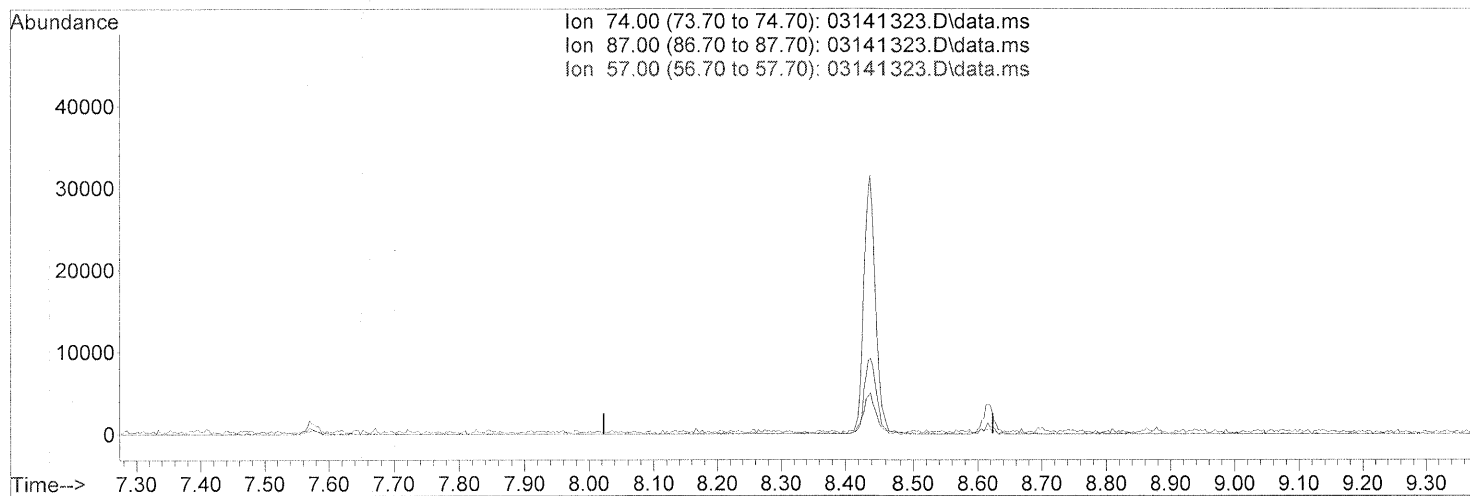
8.439min (+0.115) 1.30ug/ml

response 38485

Ion	Exp%	Act%
74.00	100	100
87.00	54.70	30.70#
57.00	48.10	14.57#
0.00	0.00	0.00

Data Path : J:\MS14\DATA\ACIDS\2013_06\14\
Data File : 03141323.D
Acq On : 14 Jun 2013 5:49 pm
Operator : EI
Sample : P1302340-006 Front 1.0ml
Misc :
ALS Vial : 21 Sample Multiplier: 1

Quant Time: Jun 15 09:53:12 2013
Quant Method : J:\MS14\METHODS\CA061013E.M
Quant Title : Short Chain Carboxylic Acids in Air
QLast Update : Tue Jun 11 08:53:59 2013
Response via : Initial Calibration



TIC: 03141323.D\data.ms

(11) 4-Methylpentanoic acid (T)

8.324min 0.00ug/ml d

response 0

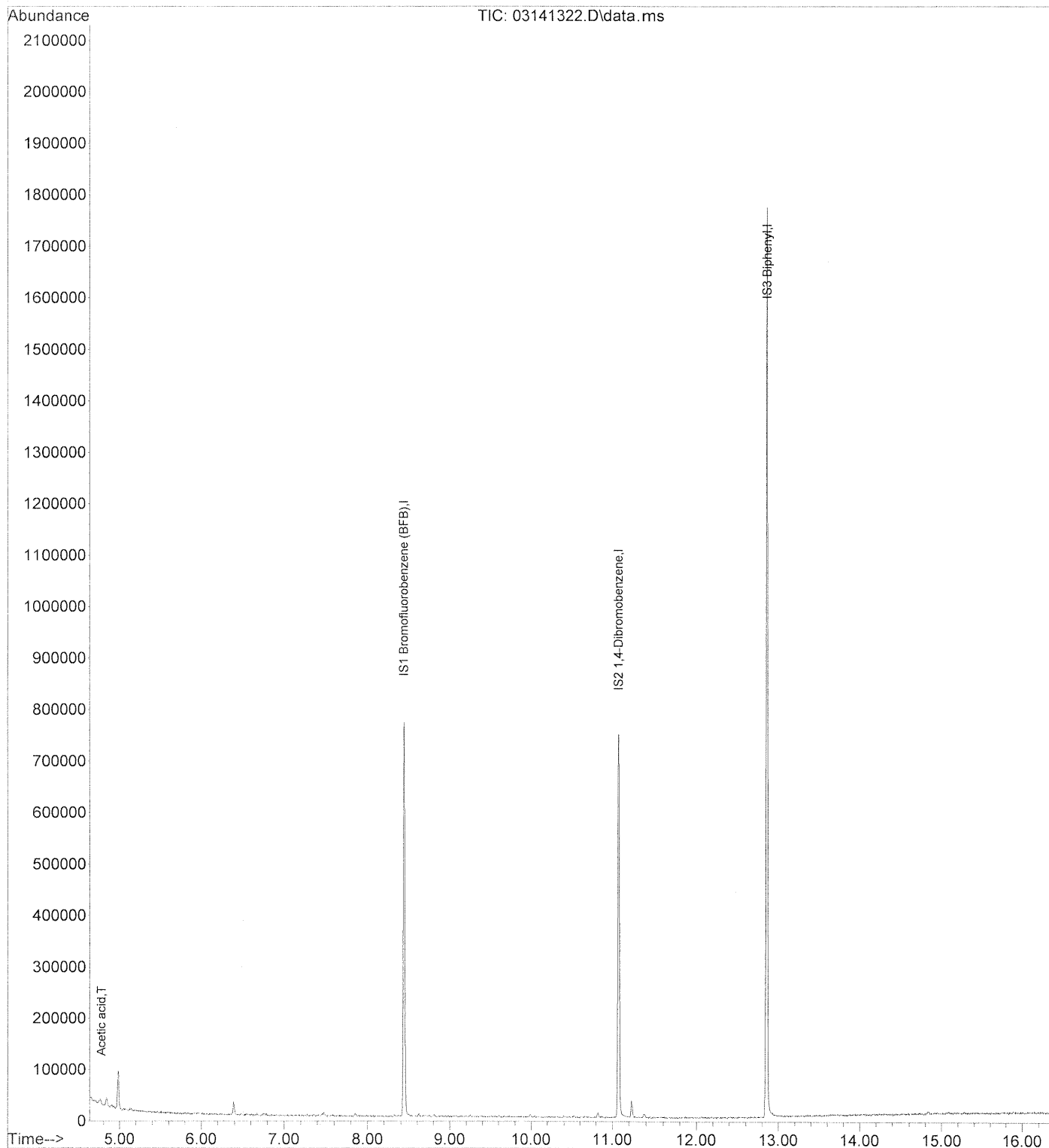
Ion	Exp%	Act%
74.00	100	0.00
87.00	54.70	0.00
57.00	48.10	0.00
0.00	0.00	0.00

FP 6/17/13
EI

UH 6/17/13

Data Path : J:\MS14\DATA\ACIDS\2013_06\14\
Data File : 03141322.D
Acq On : 14 Jun 2013 5:27 pm
Operator : EI
Sample : P1302340-006 Back 1.0ml
Misc :
ALS Vial : 20 Sample Multiplier: 1

Quant Time: Jun 17 09:12:02 2013
Quant Method : J:\MS14\METHODS\CA061013E.M
Quant Title : Short Chain Carboxylic Acids in Air
QLast Update : Tue Jun 11 08:53:59 2013
Response via : Initial Calibration



Data Path : J:\MS14\DATA\ACIDS\2013_06\14\
 Data File : 03141322.D
 Acq On : 14 Jun 2013 5:27 pm
 Operator : EI
 Sample : P1302340-006 Back 1.0ml
 Misc :
 ALS Vial : 20 Sample Multiplier: 1

6/17/13
 EL

Quant Time: Jun 17 09:12:02 2013
 Quant Method : J:\MS14\METHODS\CA061013E.M
 Quant Title : Short Chain Carboxylic Acids in Air
 QLast Update : Tue Jun 11 08:53:59 2013
 Response via : Initial Calibration

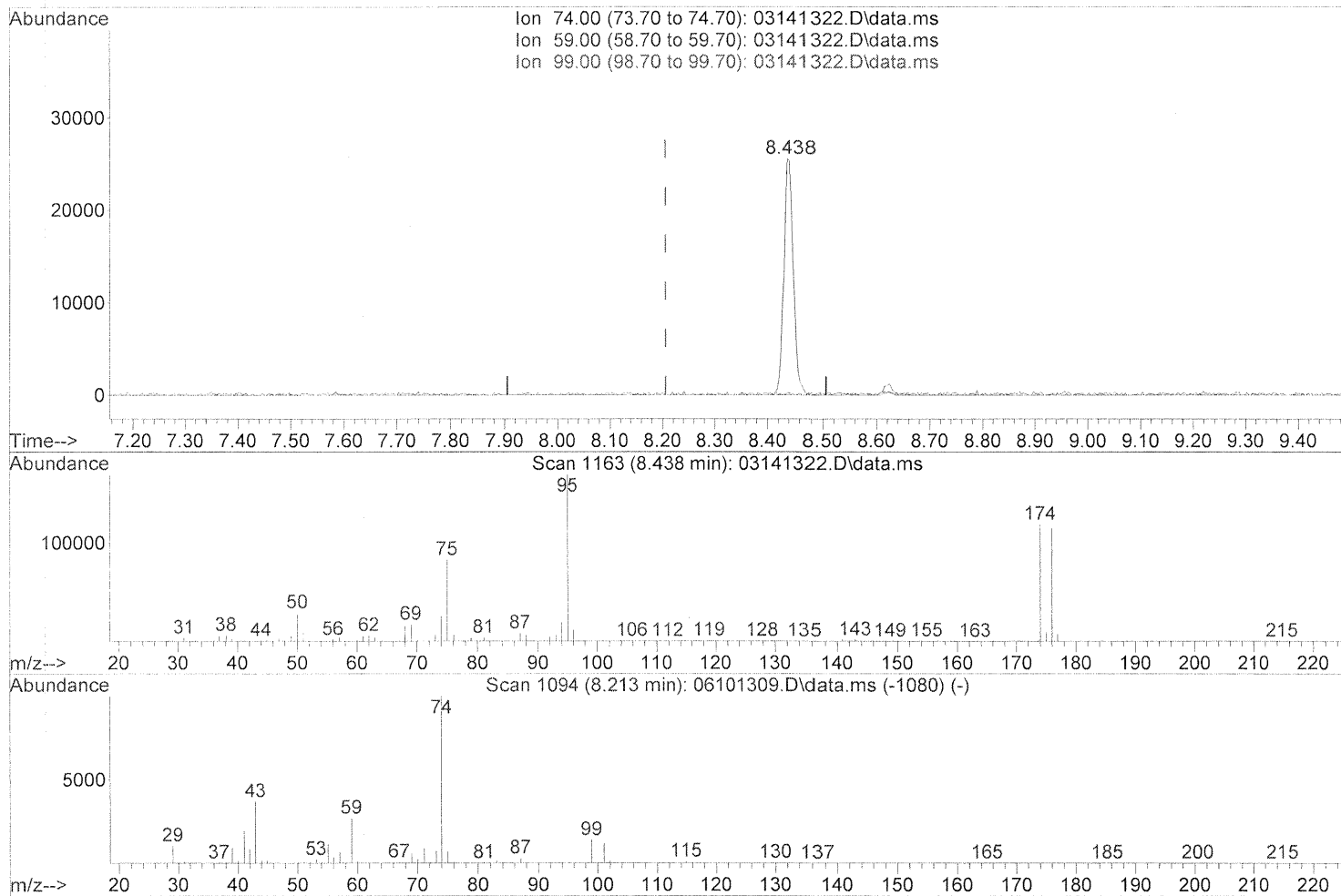
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) IS1 Bromofluorobenzene...	8.44	95	227422	10.00	ug/ml	0.00
13) IS2 1,4-Dibromobenzene	11.08	236	156139	10.00	ug/ml	0.00
19) IS3 Biphenyl	12.85	154	770051	10.00	ug/ml	0.00

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Acetic acid	4.77	74	684	0.25	ug/ml#	1
3) Propanoic acid	5.64	57	179	N.D.		
4) 2-Methylpropanoic acid	6.01	71	31	N.D.		
5) Butanoic acid	6.46	74	25	N.D.		
6) 2-Methylbutanoic acid	7.00	88	23	N.D.		
7) 3-Methylbutanoic acid	7.04	74	21	N.D.		
8) Pentanoic acid	7.57	74	44	N.D.		
9) 2-Methylpentanoic acid	7.97	88	21	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	9.60	74	421	N.D.		
15) 2-Ethylhexanoic acid	9.65	87	73	N.D.		
16) Cyclohexanecarboxylic ...	10.00	55	54	N.D.		
17) Octanoic acid	10.52	74	1079	N.D.		
18) Benzoic acid	10.83	105	325	N.D.		
20) Nonanoic acid	11.38	74	2265	N.D.		
21) Decanoic Acid	12.20	74	21	N.D.		

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

Data Path : J:\MS14\DATA\ACIDS\2013_06\14\
Data File : 03141322.D
Acq On : 14 Jun 2013 5:27 pm
Operator : EI
Sample : P1302340-006 Back 1.0ml
Misc :
ALS Vial : 20 Sample Multiplier: 1

Quant Time: Jun 15 09:53:01 2013
Quant Method : J:\MS14\METHODS\CA061013E.M
Quant Title : Short Chain Carboxylic Acids in Air
QLast Update : Tue Jun 11 08:53:59 2013
Response via : Initial Calibration



TIC: 03141322.D\data.ms

(10) 3-Methylpentanoic acid (T)

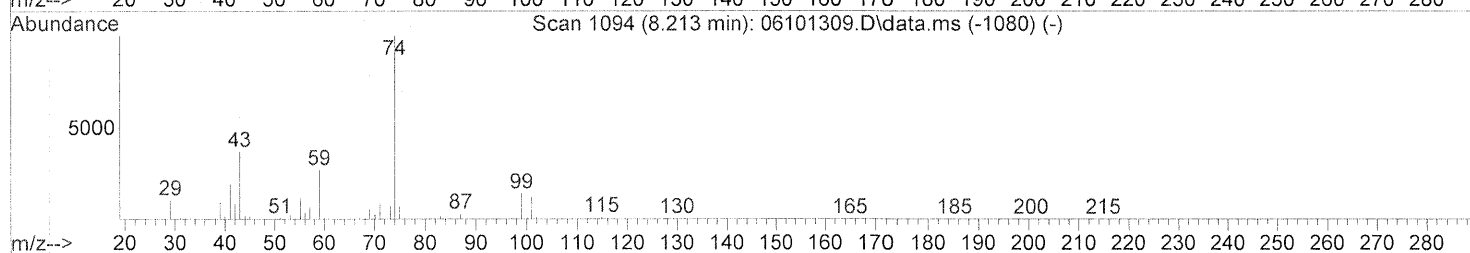
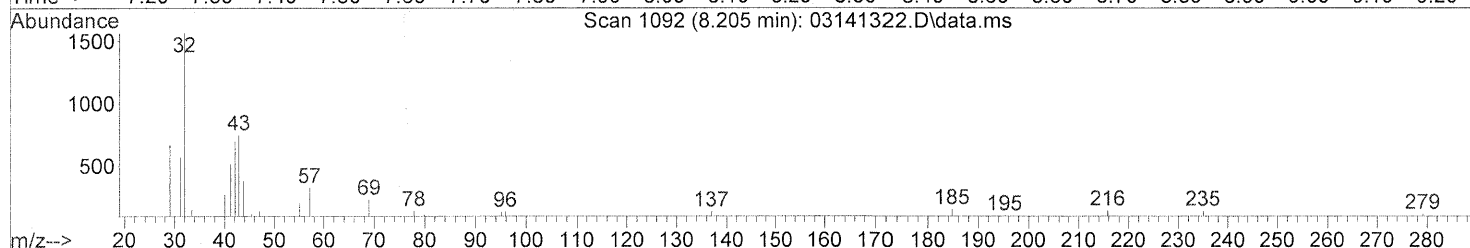
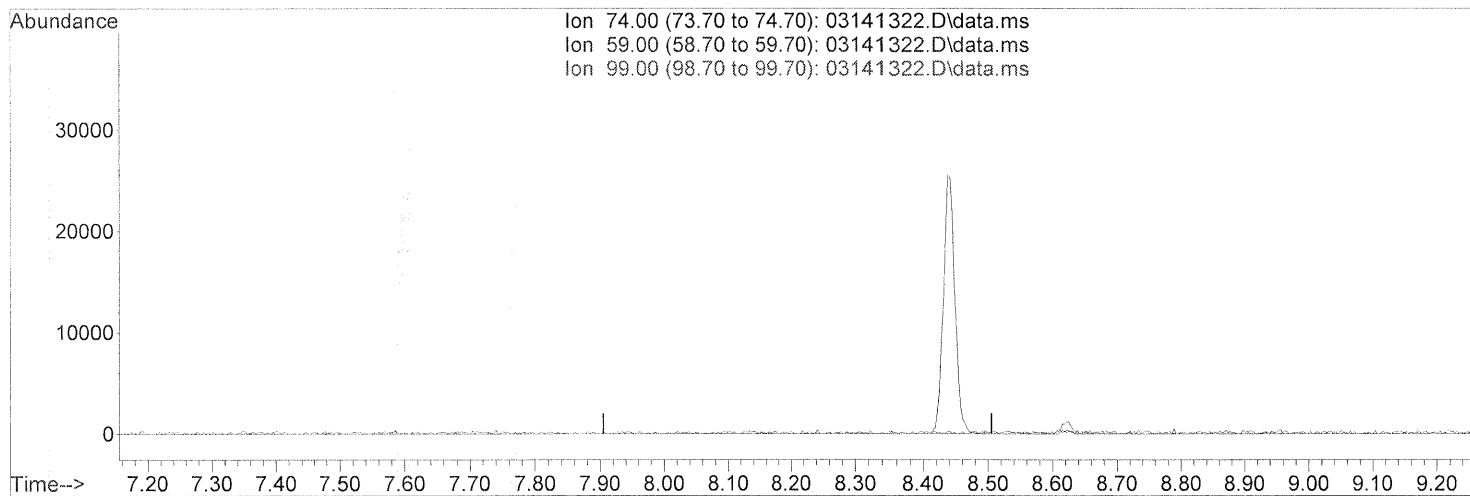
8.438min (+0.232) 0.67ug/ml

response 31387

Ion	Exp%	Act%
74.00	100	100
59.00	25.70	0.47#
99.00	14.20	0.07
0.00	0.00	0.00

Data Path : J:\MS14\DATA\ACIDS\2013_06\14\
Data File : 03141322.D
Acq On : 14 Jun 2013 5:27 pm
Operator : EI
Sample : P1302340-006 Back 1.0ml
Misc :
ALS Vial : 20 Sample Multiplier: 1

Quant Time: Jun 15 09:53:01 2013
Quant Method : J:\MS14\METHODS\CA061013E.M
Quant Title : Short Chain Carboxylic Acids in Air
QLast Update : Tue Jun 11 08:53:59 2013
Response via : Initial Calibration



TIC: 03141322.D\data.ms

(10) 3-Methylpentanoic acid (T)

8.206min 0.00ug/ml d

response 0

Ion	Exp%	Act%
74.00	100	0.00
59.00	25.70	0.00
99.00	14.20	0.00
0.00	0.00	0.00

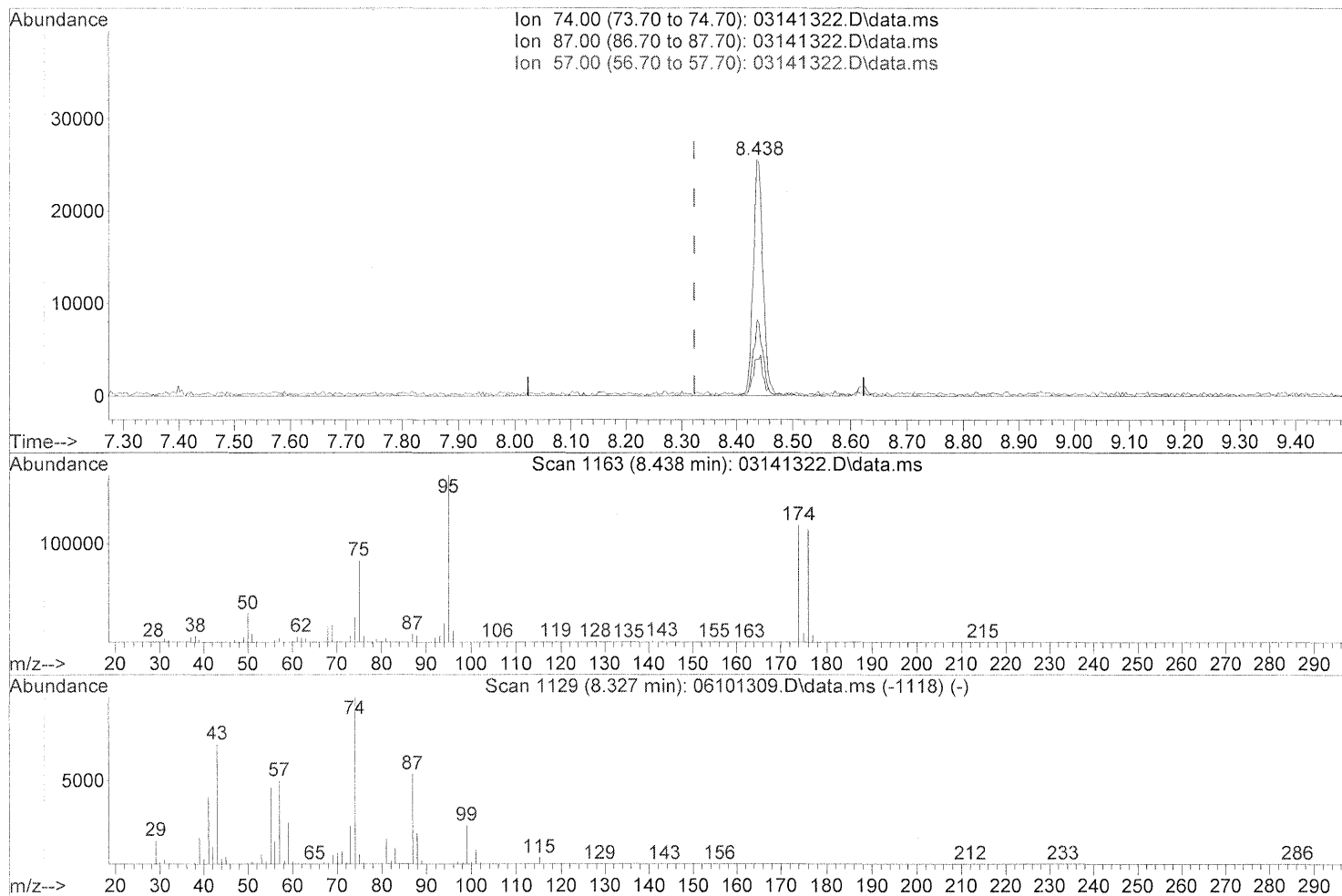
FP 6/17/13

EI

m 6/17/13

Data Path : J:\MS14\DATA\ACIDS\2013_06\14\
Data File : 03141322.D
Acq On : 14 Jun 2013 5:27 pm
Operator : EI
Sample : P1302340-006 Back 1.0ml
Misc :
ALS Vial : 20 Sample Multiplier: 1

Quant Time: Jun 15 09:53:01 2013
Quant Method : J:\MS14\METHODS\CA061013E.M
Quant Title : Short Chain Carboxylic Acids in Air
QLast Update : Tue Jun 11 08:53:59 2013
Response via : Initial Calibration



TIC: 03141322.D\data.ms

(11) 4-Methylpentanoic acid (T)

8.438min (+0.114) 1.29ug/ml

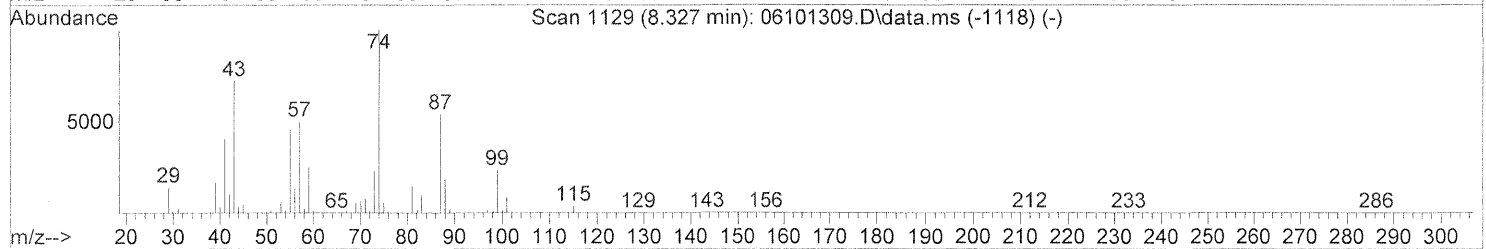
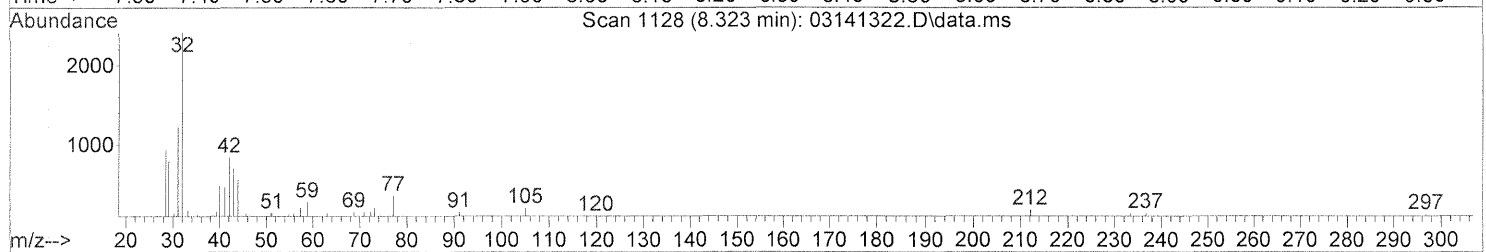
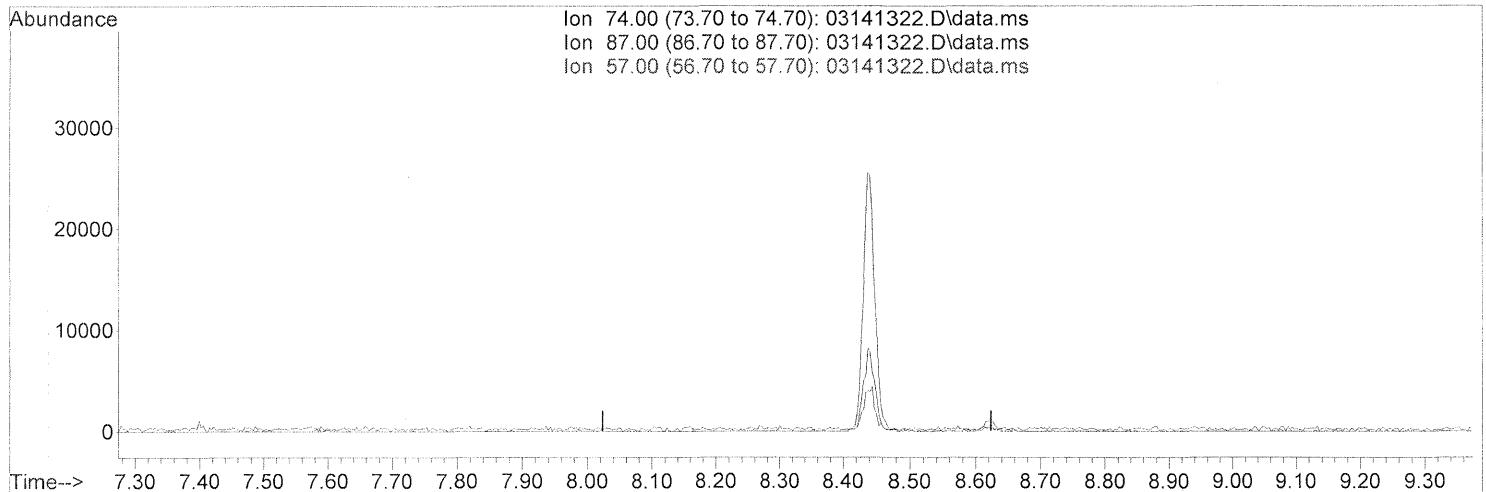
response 31387

Ion	Exp%	Act%
74.00	100	100
87.00	54.70	31.71#
57.00	48.10	15.34#
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : J:\MS14\DATA\ACIDS\2013_06\14\
 Data File : 03141322.D
 Acq On : 14 Jun 2013 5:27 pm
 Operator : EI
 Sample : P1302340-006 Back 1.0ml
 Misc :
 ALS Vial : 20 Sample Multiplier: 1

Quant Time: Jun 15 09:53:01 2013
 Quant Method : J:\MS14\METHODS\CA061013E.M
 Quant Title : Short Chain Carboxylic Acids in Air
 QLast Update : Tue Jun 11 08:53:59 2013
 Response via : Initial Calibration



TIC: 03141322.D\data.ms

(11) 4-Methylpentanoic acid (T)

8.324min 0.00ug/ml d

response 0

Ion	Exp%	Act%
74.00	100	0.00
87.00	54.70	0.00
57.00	48.10	0.00
0.00	0.00	0.00

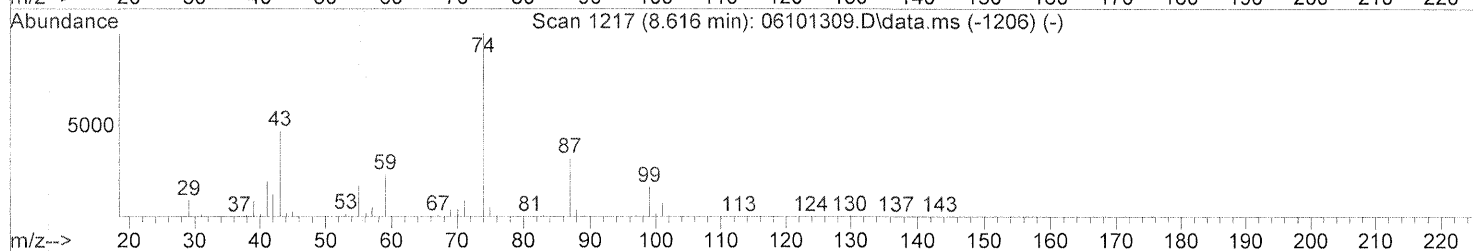
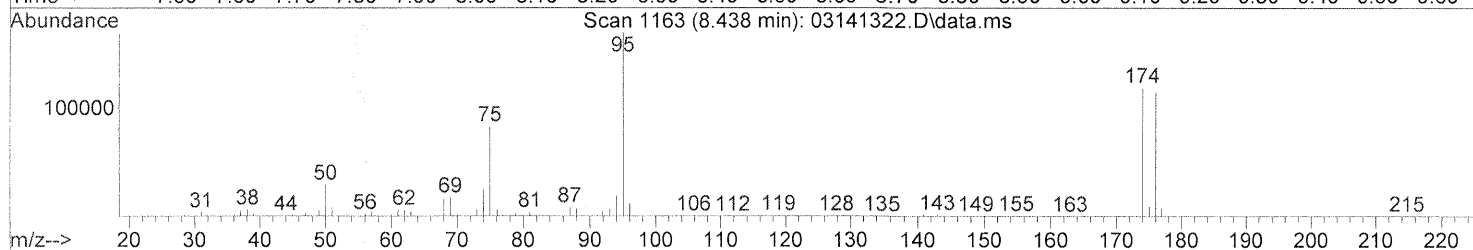
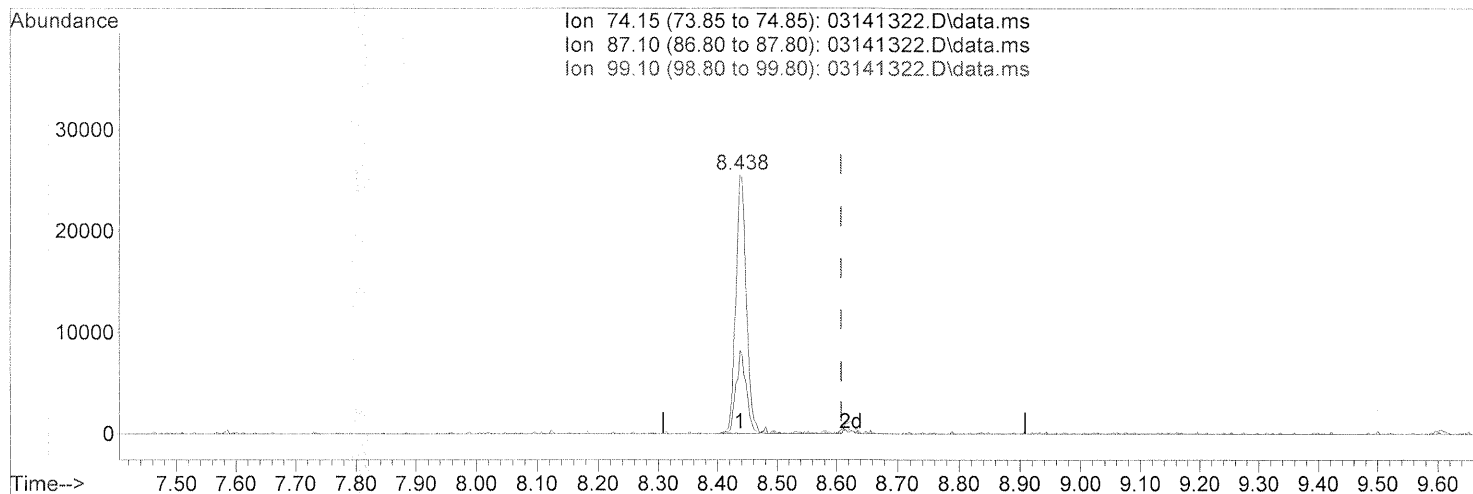
FP 6/17/13
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un 6/17/13

Quantitation Report (Qedit)

Data Path : J:\MS14\DATA\ACIDS\2013_06\14\
 Data File : 03141322.D
 Acq On : 14 Jun 2013 5:27 pm
 Operator : EI
 Sample : P1302340-006 Back 1.0ml
 Misc :
 ALS Vial : 20 Sample Multiplier: 1

Quant Time: Jun 15 09:53:01 2013
 Quant Method : J:\MS14\METHODS\CA061013E.M
 Quant Title : Short Chain Carboxylic Acids in Air
 QLast Update : Tue Jun 11 08:53:59 2013
 Response via : Initial Calibration



TIC: 03141322.D\data.ms

(12) Hexanoic acid (T)

8.438min (-0.171) 0.74ug/ml

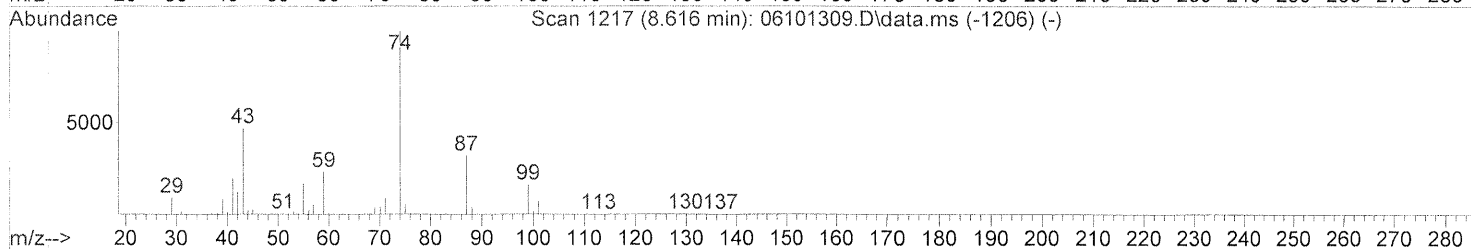
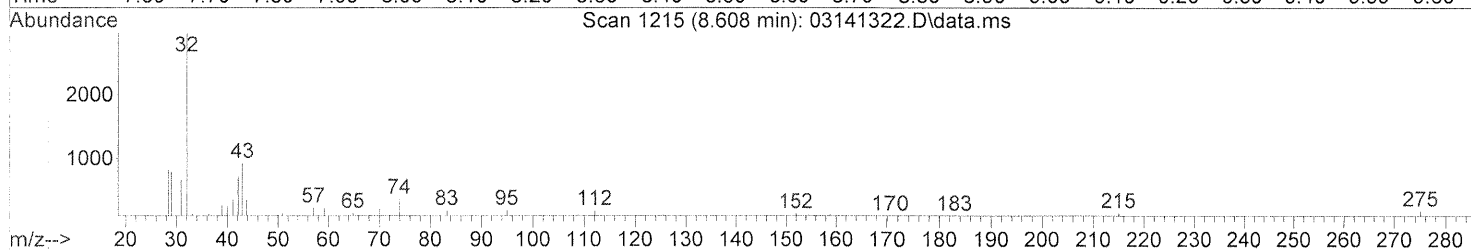
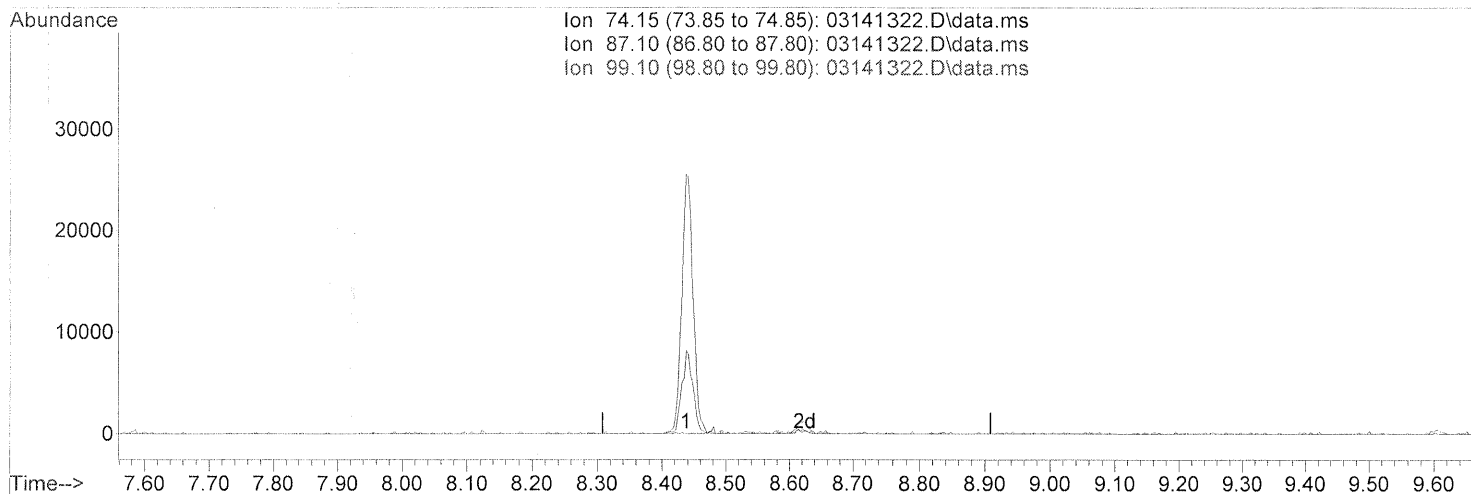
response 31240

Ion	Exp%	Act%
74.15	100	100
87.10	30.70	31.86
99.10	17.70	0.07
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : J:\MS14\DATA\ACIDS\2013_06\14\
 Data File : 03141322.D
 Acq On : 14 Jun 2013 5:27 pm
 Operator : EI
 Sample : P1302340-006 Back 1.0ml
 Misc :
 ALS Vial : 20 Sample Multiplier: 1

Quant Time: Jun 15 09:53:01 2013
 Quant Method : J:\MS14\METHODS\CA061013E.M
 Quant Title : Short Chain Carboxylic Acids in Air
 QLast Update : Tue Jun 11 08:53:59 2013
 Response via : Initial Calibration



TIC: 03141322.D\data.ms

(12) Hexanoic acid (T)

8.609min 0.00ug/ml d

response 0

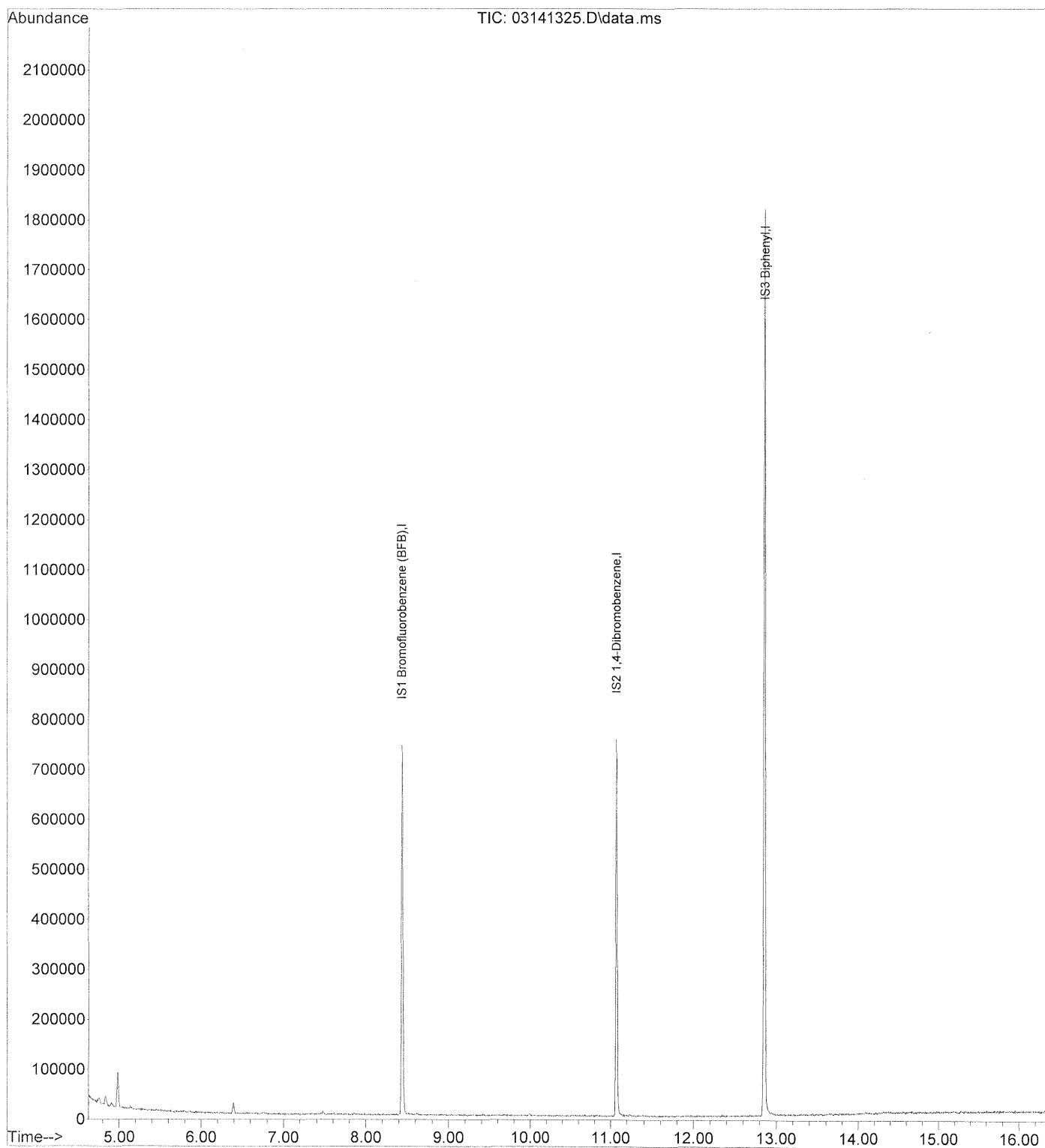
Ion	Exp%	Act%
74.15	100	0.00
87.10	30.70	0.00
99.10	17.70	0.00
0.00	0.00	0.00

FP 6/17/13
 EI

UH 6/17/13

Data Path : J:\MS14\DATA\ACIDS\2013_06\14\
Data File : 03141325.D
Acq On : 14 Jun 2013 6:33 pm
Operator : EI
Sample : P1302340-007 Front 1.0ml
Misc :
ALS Vial : 23 Sample Multiplier: 1

Quant Time: Jun 17 09:14:46 2013
Quant Method : J:\MS14\METHODS\CA061013E.M
Quant Title : Short Chain Carboxylic Acids in Air
QLast Update : Tue Jun 11 08:53:59 2013
Response via : Initial Calibration



Data Path : J:\MS14\DATA\ACIDS\2013_06\14\
 Data File : 03141325.D
 Acq On : 14 Jun 2013 6:33 pm
 Operator : EI
 Sample : P1302340-007 Front 1.0ml
 Misc :
 ALS Vial : 23 Sample Multiplier: 1

6/17/13

EI

Quant Time: Jun 17 09:14:46 2013
 Quant Method : J:\MS14\METHODS\CA061013E.M
 Quant Title : Short Chain Carboxylic Acids in Air
 QLast Update : Tue Jun 11 08:53:59 2013
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) IS1 Bromofluorobenzene...	8.44	95	222350	10.00	ug/ml	0.00
13) IS2 1,4-Dibromobenzene	11.08	236	153683	10.00	ug/ml	0.00
19) IS3 Biphenyl	12.86	154	775370	10.00	ug/ml	0.00

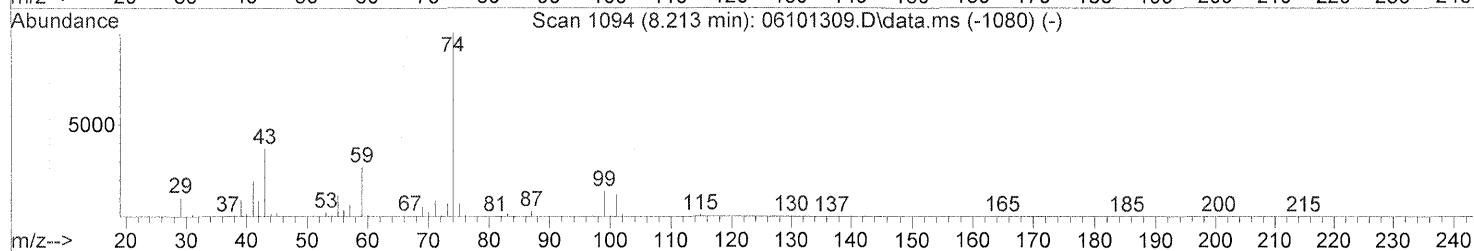
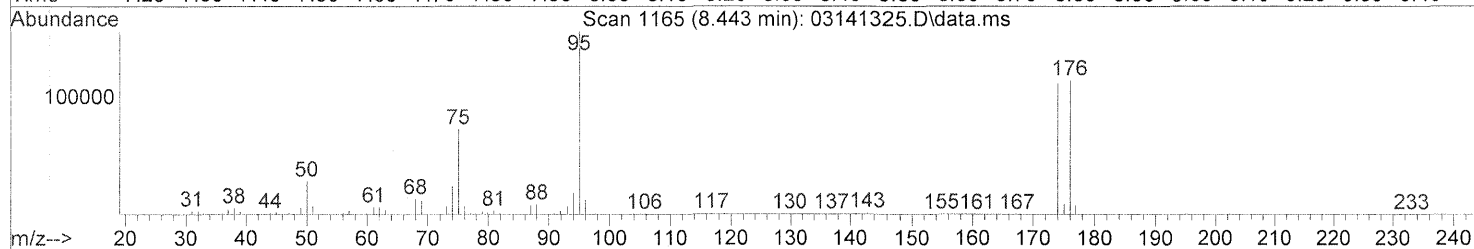
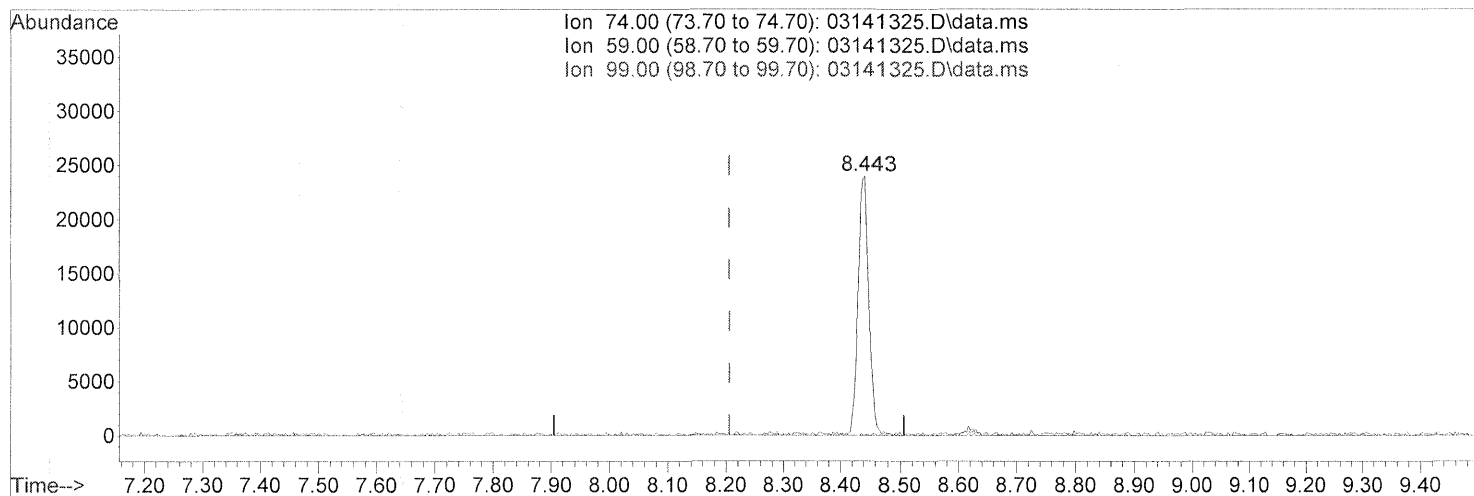
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Acetic acid	4.75	74	75	N.D.		
3) Propanoic acid	5.57	57	467	N.D.		
4) 2-Methylpropanoic acid	6.10	71	44	N.D.		
5) Butanoic acid	6.48	74	44	N.D.		
6) 2-Methylbutanoic acid	6.93	88	22	N.D.		
7) 3-Methylbutanoic acid	7.05	74	31	N.D.		
8) Pentanoic acid	7.57	74	45	N.D.		
9) 2-Methylpentanoic acid	7.91	88	23	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	9.60	74	204	N.D.		
15) 2-Ethylhexanoic acid	9.65	87	49	N.D.		
16) Cyclohexanecarboxylic ...	10.16	55	47	N.D.		
17) Octanoic acid	10.51	74	360	N.D.		
18) Benzoic acid	10.83	105	227	N.D.		
20) Nonanoic acid	11.39	74	1051	N.D.		
21) Decanoic Acid	12.19	74	104	N.D.		

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

Quantitation Report (Qedit)

Data Path : J:\MS14\DATA\ACIDS\2013_06\14\
Data File : 03141325.D
Acq On : 14 Jun 2013 6:33 pm
Operator : EI
Sample : P1302340-007 Front 1.0ml
Misc :
ALS Vial : 23 Sample Multiplier: 1

Quant Time: Jun 15 09:53:39 2013
Quant Method : J:\MS14\METHODS\CA061013E.M
Quant Title : Short Chain Carboxylic Acids in Air
QLast Update : Tue Jun 11 08:53:59 2013
Response via : Initial Calibration



TIC: 03141325.D\data.ms

(10) 3-Methylpentanoic acid (T)

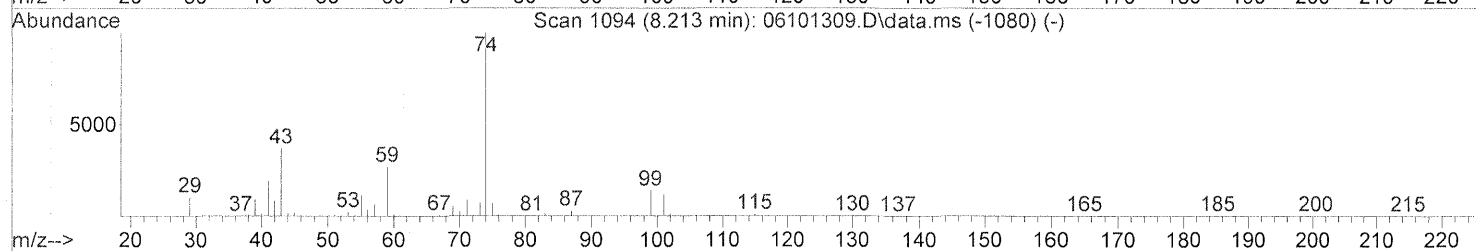
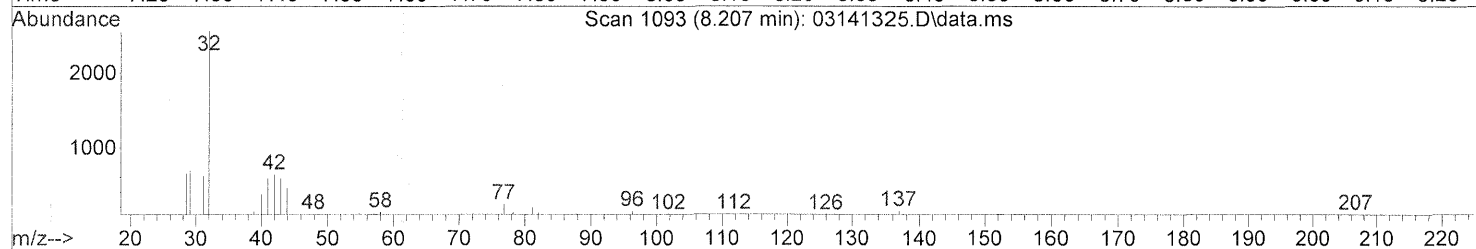
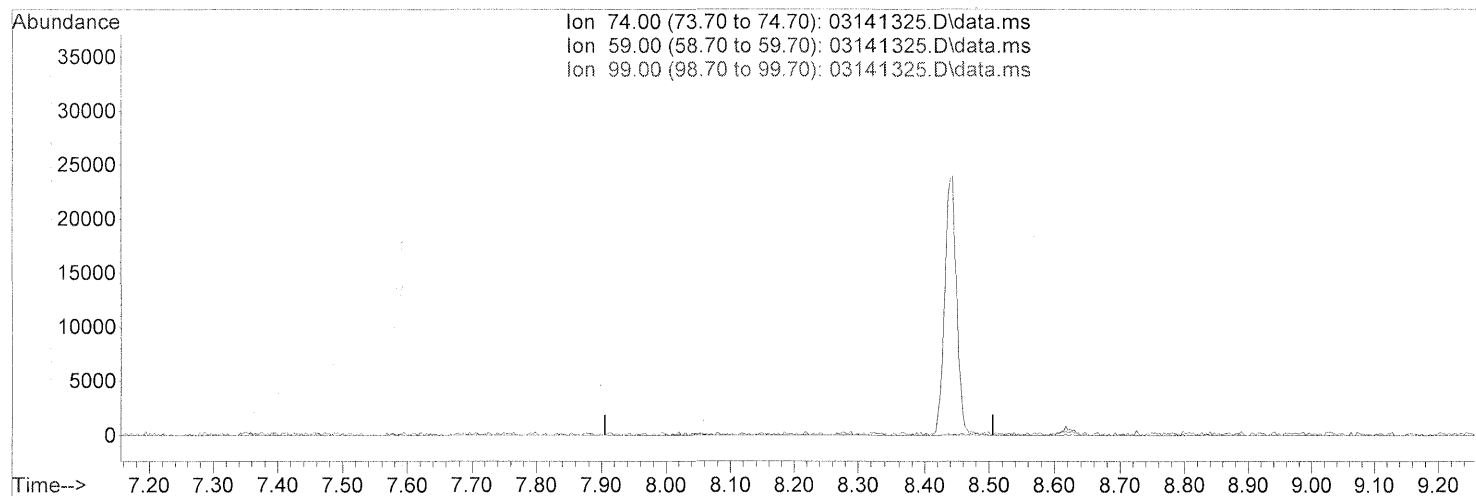
8.443min (+0.237) 0.68ug/ml

response 31187

Ion	Exp%	Act%
74.00	100	100
59.00	25.70	0.07#
99.00	14.20	0.00
0.00	0.00	0.00

Data Path : J:\MS14\DATA\ACIDS\2013_06\14\
Data File : 03141325.D
Acq On : 14 Jun 2013 6:33 pm
Operator : EI
Sample : P1302340-007 Front 1.0ml
Misc :
ALS Vial : 23 Sample Multiplier: 1

Quant Time: Jun 15 09:53:39 2013
Quant Method : J:\MS14\METHODS\CA061013E.M
Quant Title : Short Chain Carboxylic Acids in Air
QLast Update : Tue Jun 11 08:53:59 2013
Response via : Initial Calibration



TIC: 03141325.D\data.ms

(10) 3-Methylpentanoic acid (T)

8.206min 0.00ug/ml d

response 0

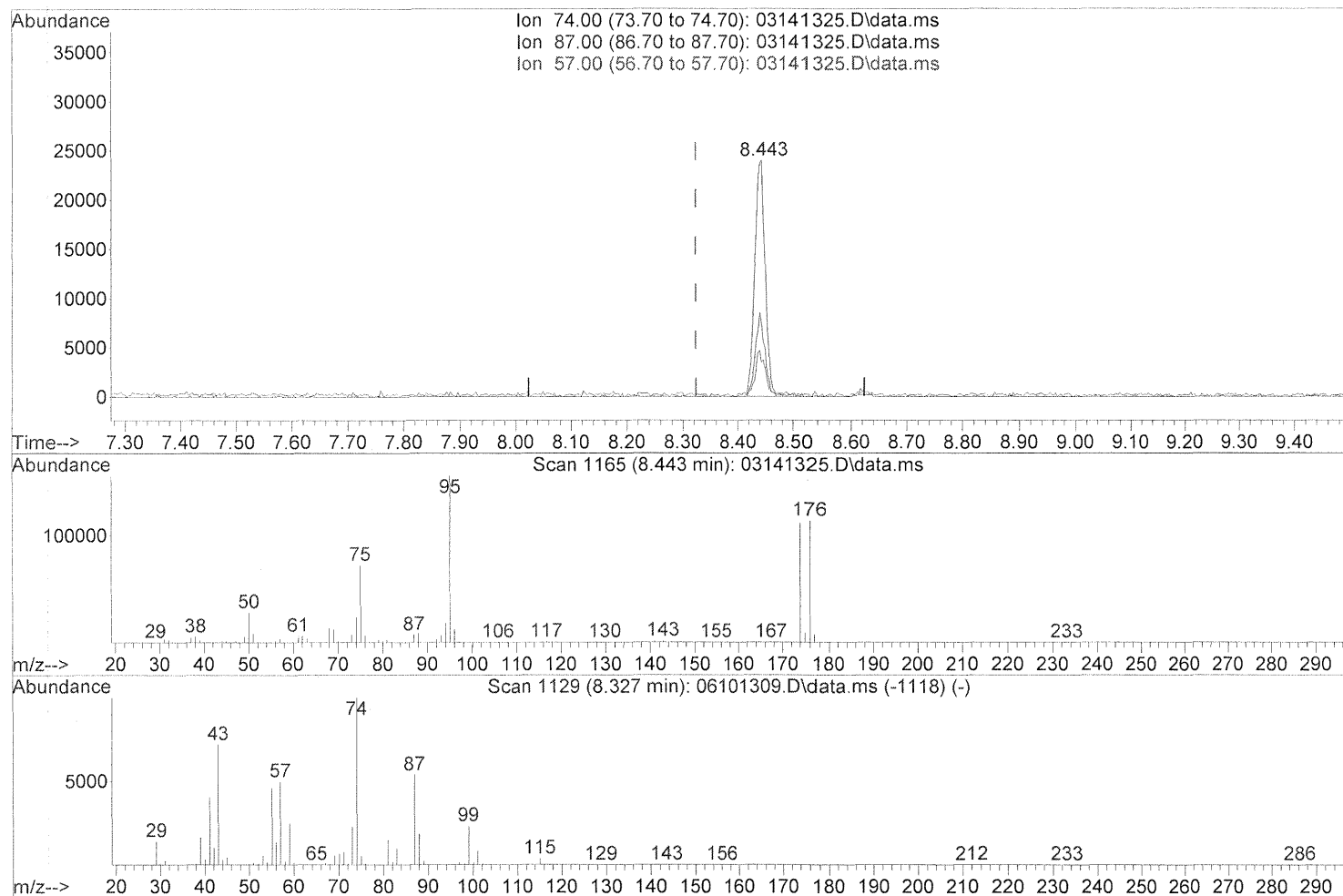
Ion	Exp%	Act%
74.00	100	0.00
59.00	25.70	0.00
99.00	14.20	0.00
0.00	0.00	0.00

FP 6/17/13
EE

UH 6/17/13

Data Path : J:\MS14\DATA\ACIDS\2013_06\14\
Data File : 03141325.D
Acq On : 14 Jun 2013 6:33 pm
Operator : EI
Sample : P1302340-007 Front 1.0ml
Misc :
ALS Vial : 23 Sample Multiplier: 1

Quant Time: Jun 15 09:53:39 2013
Quant Method : J:\MS14\METHODS\CA061013E.M
Quant Title : Short Chain Carboxylic Acids in Air
QLast Update : Tue Jun 11 08:53:59 2013
Response via : Initial Calibration



TIC: 03141325.D\data.ms

(11) 4-Methylpentanoic acid (T)

8.443min (+0.119) 1.31ug/ml

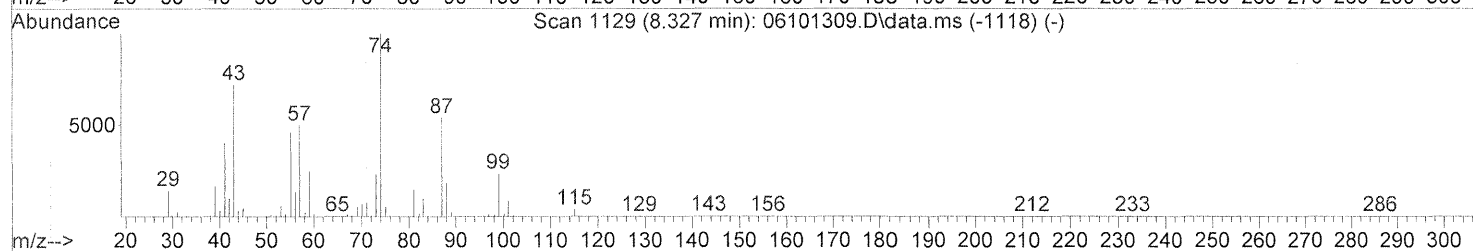
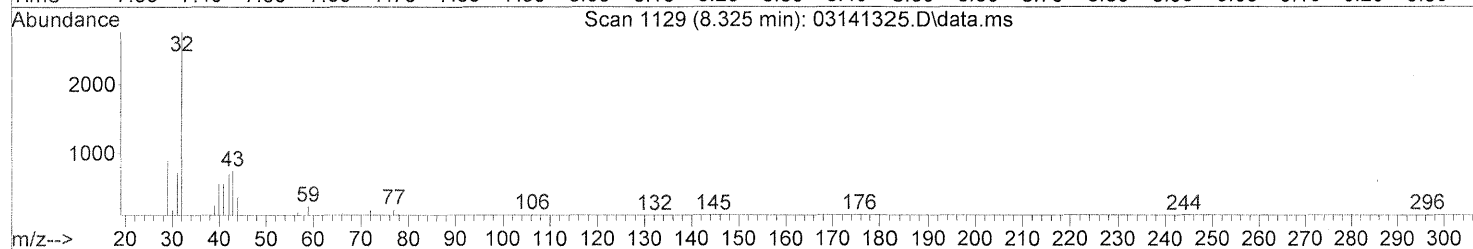
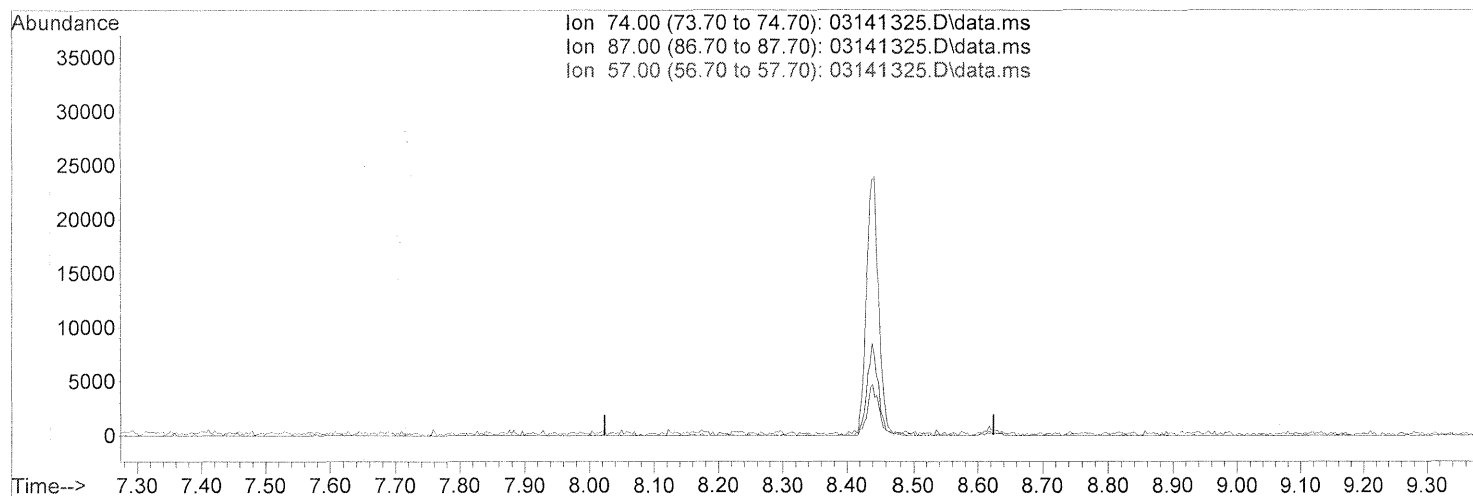
response 31187

Ion	Exp%	Act%
74.00	100	100
87.00	54.70	31.88#
57.00	48.10	17.62#
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : J:\MS14\DATA\ACIDS\2013_06\14\
Data File : 03141325.D
Acq On : 14 Jun 2013 6:33 pm
Operator : EI
Sample : P1302340-007 Front 1.0ml
Misc :
ALS Vial : 23 Sample Multiplier: 1

Quant Time: Jun 15 09:53:39 2013
Quant Method : J:\MS14\METHODS\CA061013E.M
Quant Title : Short Chain Carboxylic Acids in Air
QLast Update : Tue Jun 11 08:53:59 2013
Response via : Initial Calibration



TIC: 03141325.D\data.ms

(11) 4-Methylpentanoic acid (T)

8.324min 0.00ug/ml d

response 0

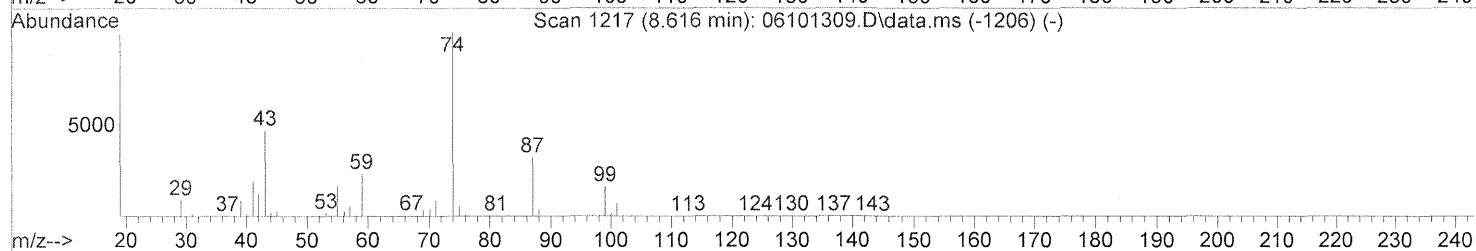
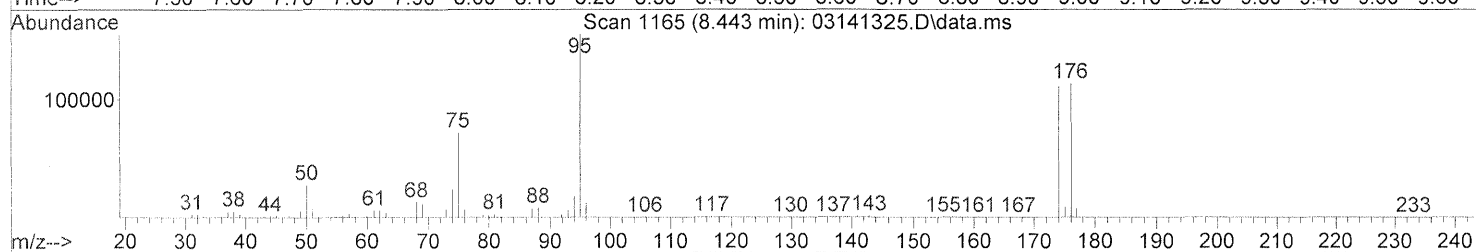
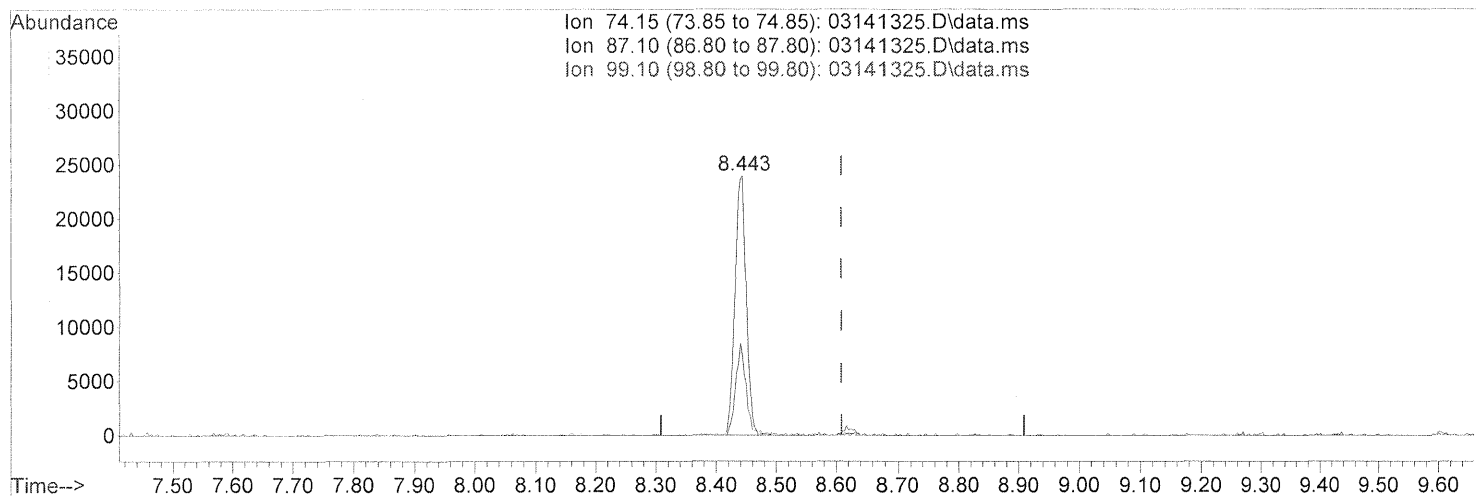
Ion	Exp%	Act%
74.00	100	0.00
87.00	54.70	0.00
57.00	48.10	0.00
0.00	0.00	0.00

FP 6/17/13
EI

UK 6/17/13

Data Path : J:\MS14\DATA\ACIDS\2013_06\14\
Data File : 03141325.D
Acq On : 14 Jun 2013 6:33 pm
Operator : EI
Sample : P1302340-007 Front 1.0ml
Misc :
ALS Vial : 23 Sample Multiplier: 1

Quant Time: Jun 15 09:53:39 2013
Quant Method : J:\MS14\METHODS\CA061013E.M
Quant Title : Short Chain Carboxylic Acids in Air
QLast Update : Tue Jun 11 08:53:59 2013
Response via : Initial Calibration



TIC: 03141325.D\data.ms

(12) Hexanoic acid (T)

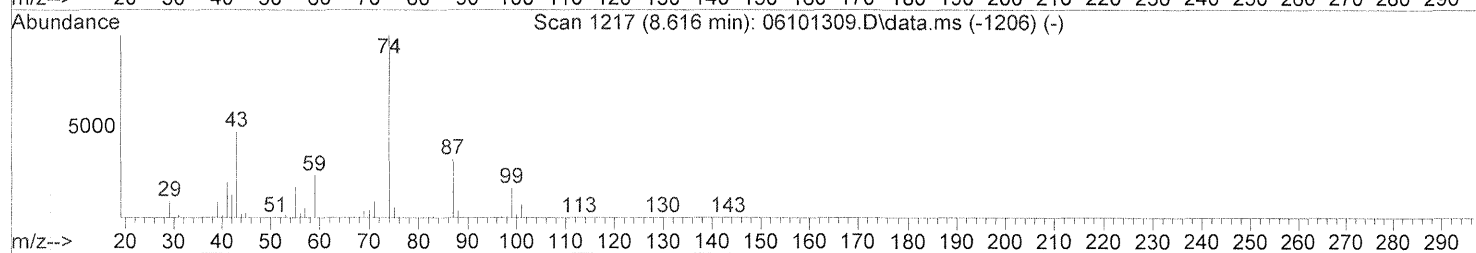
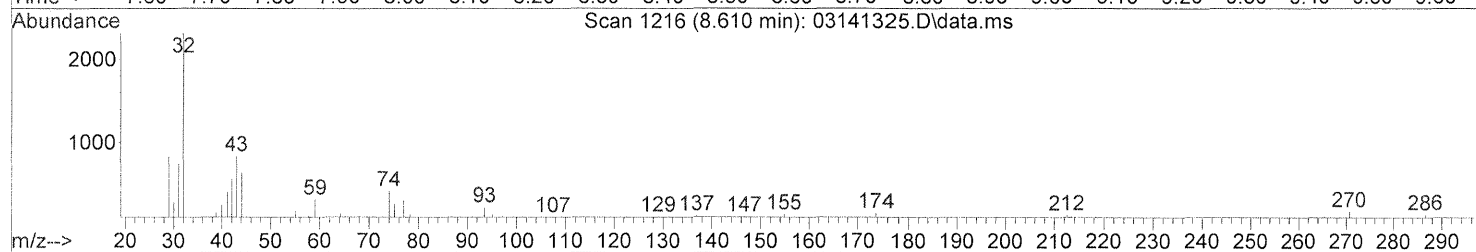
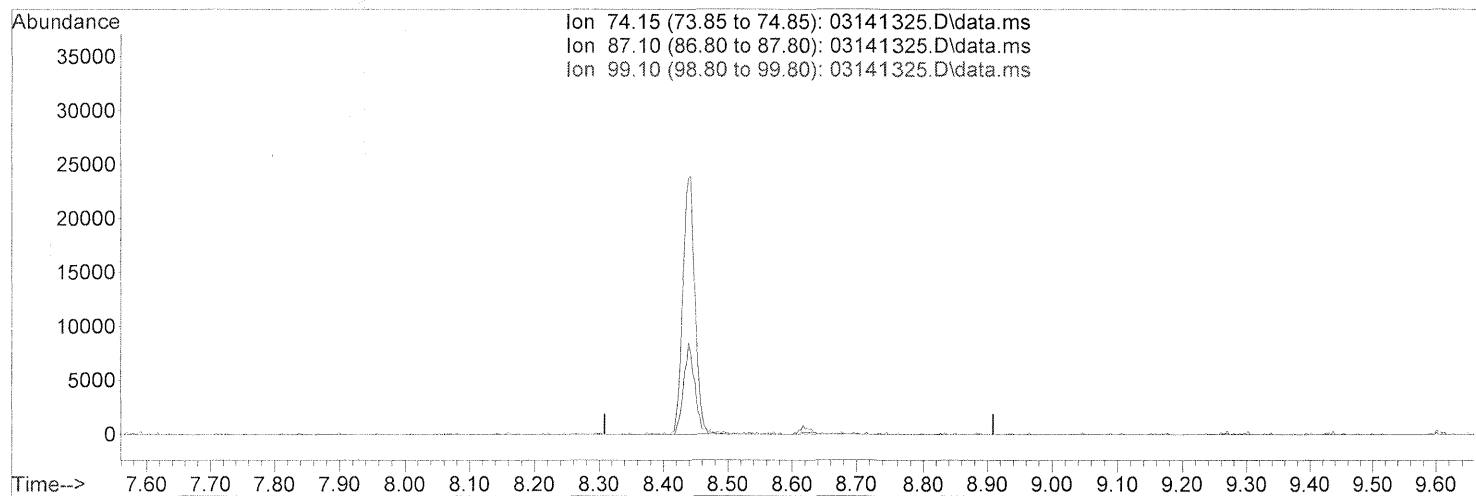
8.443min (-0.166) 0.75ug/ml

response 31213

Ion	Exp%	Act%
74.15	100	100
87.10	30.70	32.30
99.10	17.70	0.07
0.00	0.00	0.00

Data Path : J:\MS14\DATA\ACIDS\2013_06\14\
Data File : 03141325.D
Acq On : 14 Jun 2013 6:33 pm
Operator : EI
Sample : P1302340-007 Front 1.0ml
Misc :
ALS Vial : 23 Sample Multiplier: 1

Quant Time: Jun 15 09:53:39 2013
Quant Method : J:\MS14\METHODS\CA061013E.M
Quant Title : Short Chain Carboxylic Acids in Air
QLast Update : Tue Jun 11 08:53:59 2013
Response via : Initial Calibration



TIC: 03141325.D\data.ms

(12) Hexanoic acid (T)

8.609min 0.00ug/ml d

response 0

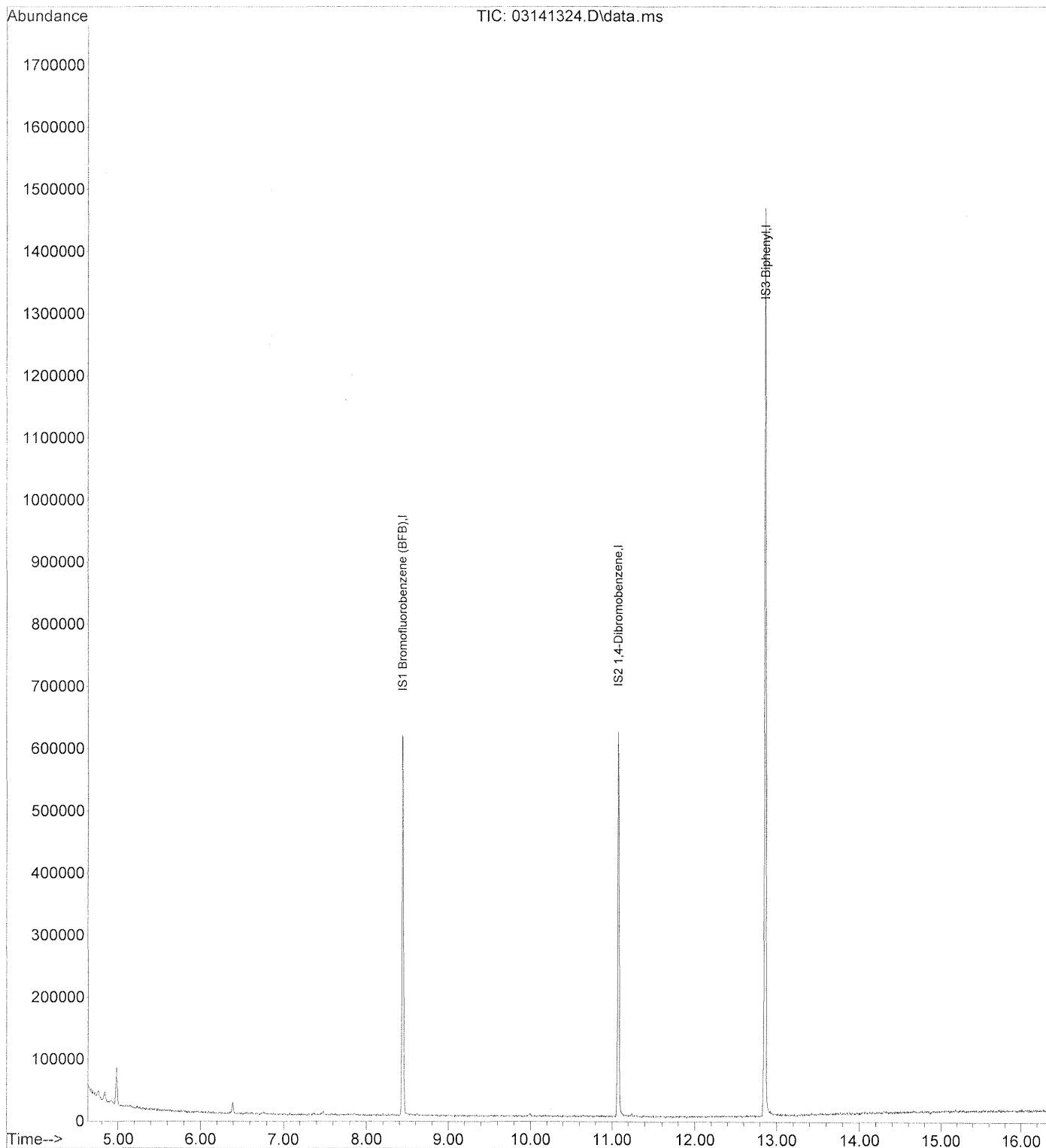
Ion	Exp%	Act%
74.15	100	0.00
87.10	30.70	0.00
99.10	17.70	0.00
0.00	0.00	0.00

FP 6/17/13
ET

UH 6/17/13

Data Path : J:\MS14\DATA\ACIDS\2013_06\14\
Data File : 03141324.D
Acq On : 14 Jun 2013 6:11 pm
Operator : EI
Sample : P1302340-007 Back 1.0ml
Misc :
ALS Vial : 22 Sample Multiplier: 1

Quant Time: Jun 17 09:13:52 2013
Quant Method : J:\MS14\METHODS\CA061013E.M
Quant Title : Short Chain Carboxylic Acids in Air
QLast Update : Tue Jun 11 08:53:59 2013
Response via : Initial Calibration



Data Path : J:\MS14\DATA\ACIDS\2013_06\14\
 Data File : 03141324.D
 Acq On : 14 Jun 2013 6:11 pm
 Operator : EI
 Sample : P1302340-007 Back 1.0ml
 Misc :
 ALS Vial : 22 Sample Multiplier: 1

Quant Time: Jun 17 09:13:52 2013
 Quant Method : J:\MS14\METHODS\CA061013E.M
 Quant Title : Short Chain Carboxylic Acids in Air
 QLast Update : Tue Jun 11 08:53:59 2013
 Response via : Initial Calibration

6/17/13
 ET

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) IS1 Bromofluorobenzene...	8.44	95	181753	10.00	ug/ml	0.00
13) IS2 1,4-Dibromobenzene	11.08	236	126147	10.00	ug/ml	0.00
19) IS3 Biphenyl	12.85	154	627963	10.00	ug/ml	0.00

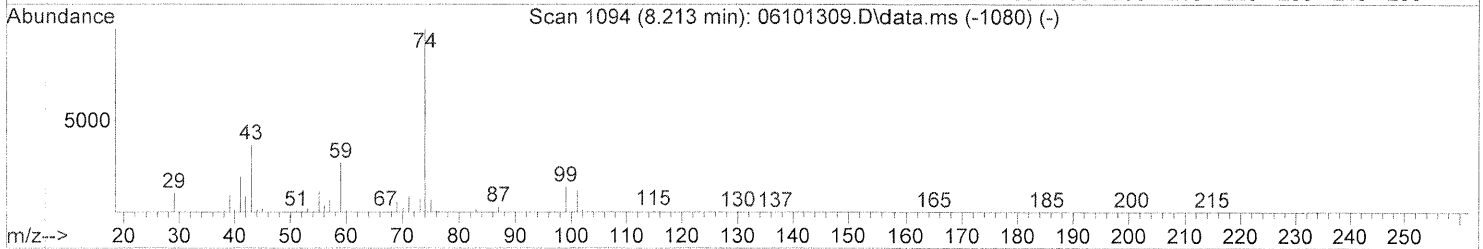
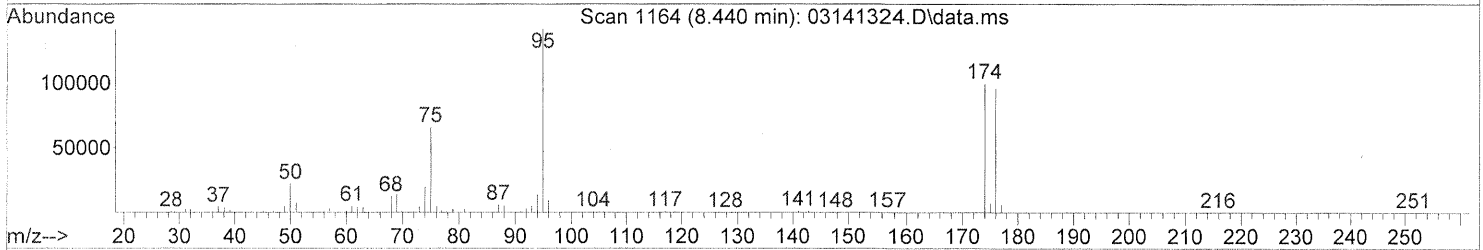
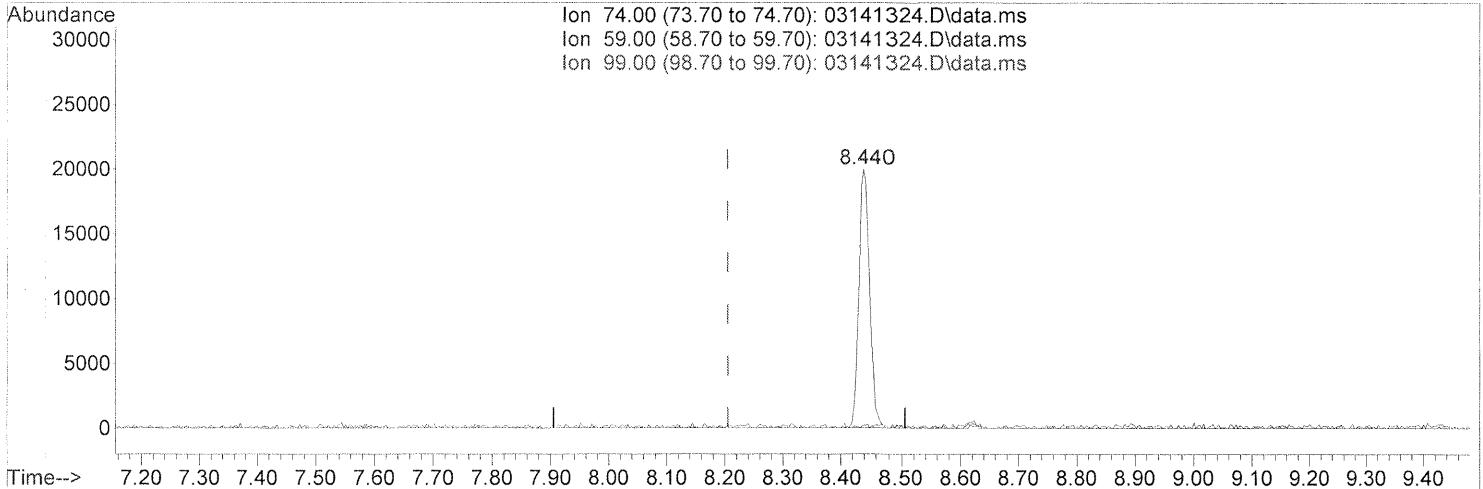
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Acetic acid	4.75	74	32	N.D.		
3) Propanoic acid	5.55	57	128	N.D.		
4) 2-Methylpropanoic acid	6.04	71	144	N.D.		
5) Butanoic acid	6.46	74	32	N.D.		
6) 2-Methylbutanoic acid	6.92	88	26	N.D.		
7) 3-Methylbutanoic acid	7.09	74	23	N.D.		
8) Pentanoic acid	7.57	74	25	N.D.		
9) 2-Methylpentanoic acid	7.97	88	20	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	9.60	74	32	N.D.		
15) 2-Ethylhexanoic acid	9.66	87	122	N.D.		
16) Cyclohexanecarboxylic ...	10.16	55	36	N.D.		
17) Octanoic acid	10.52	74	604	N.D.		
18) Benzoic acid	10.83	105	61	N.D.		
20) Nonanoic acid	11.38	74	439	N.D.		
21) Decanoic Acid	12.18	74	172	N.D.		

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

Quantitation Report (Qedit)

Data Path : J:\MS14\DATA\ACIDS\2013_06\14\
 Data File : 03141324.D
 Acq On : 14 Jun 2013 6:11 pm
 Operator : EI
 Sample : P1302340-007 Back 1.0ml
 Misc :
 ALS Vial : 22 Sample Multiplier: 1

Quant Time: Jun 15 09:53:29 2013
 Quant Method : J:\MS14\METHODS\CA061013E.M
 Quant Title : Short Chain Carboxylic Acids in Air
 QLast Update : Tue Jun 11 08:53:59 2013
 Response via : Initial Calibration



TIC: 03141324.D\data.ms

(10) 3-Methylpentanoic acid (T)

8.440min (+0.234) 0.67ug/ml

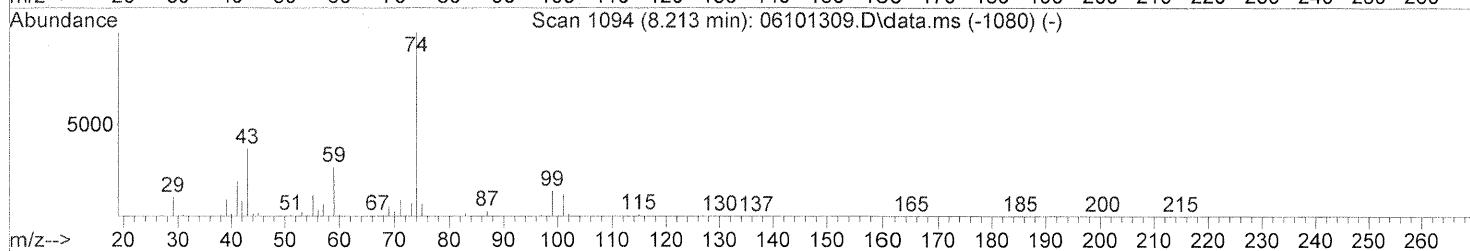
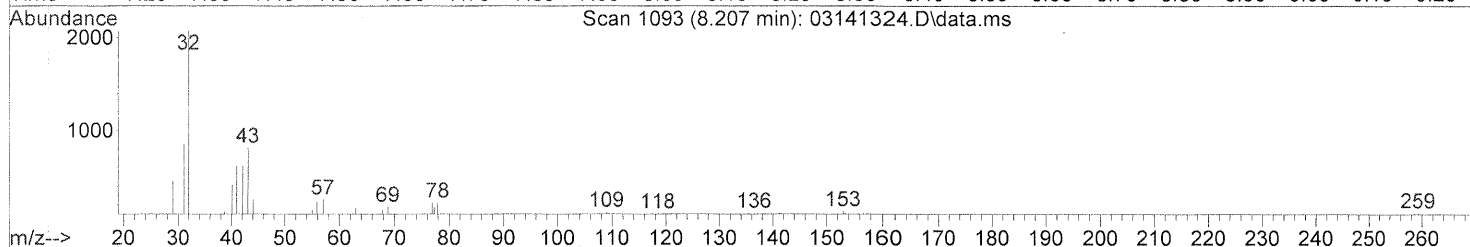
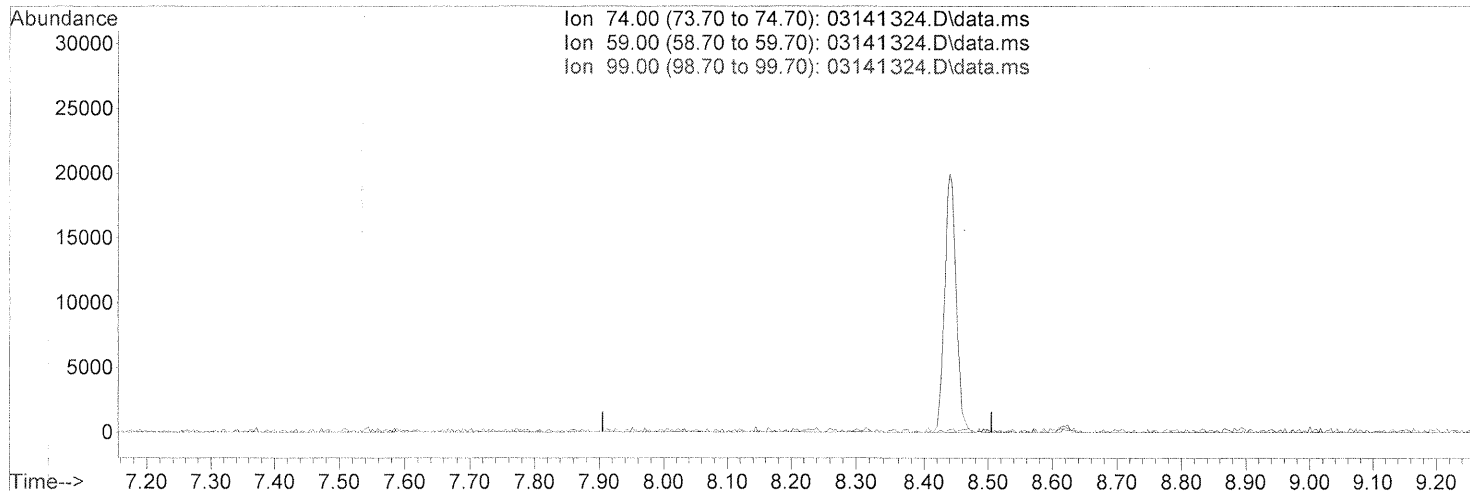
response 25301

Ion	Exp%	Act%
74.00	100	100
59.00	25.70	0.62#
99.00	14.20	0.00
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : J:\MS14\DATA\ACIDS\2013_06\14\
 Data File : 03141324.D
 Acq On : 14 Jun 2013 6:11 pm
 Operator : EI
 Sample : P1302340-007 Back 1.0ml
 Misc :
 ALS Vial : 22 Sample Multiplier: 1

Quant Time: Jun 15 09:53:29 2013
 Quant Method : J:\MS14\METHODS\CA061013E.M
 Quant Title : Short Chain Carboxylic Acids in Air
 QLast Update : Tue Jun 11 08:53:59 2013
 Response via : Initial Calibration



TIC: 03141324.D\data.ms

(10) 3-Methylpentanoic acid (T)

8.206min 0.00ug/ml d

response 0

Ion	Exp%	Act%
74.00	100	0.00
59.00	25.70	0.00
99.00	14.20	0.00
0.00	0.00	0.00

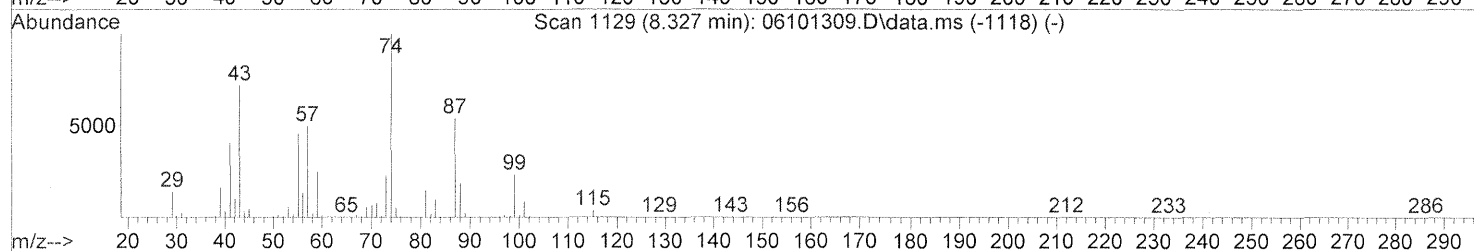
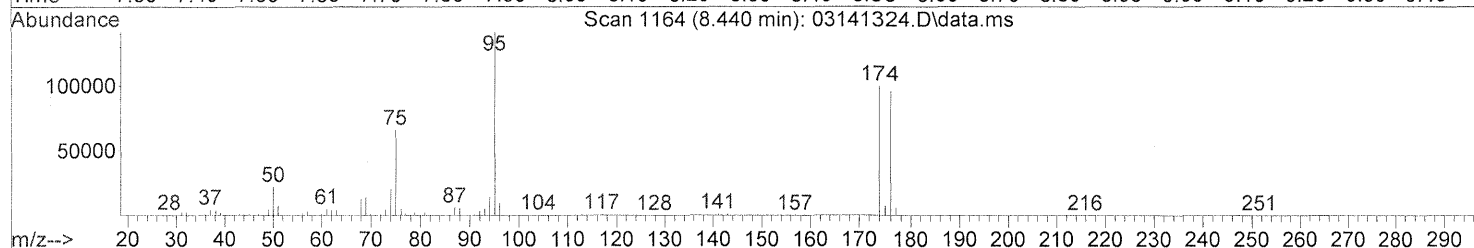
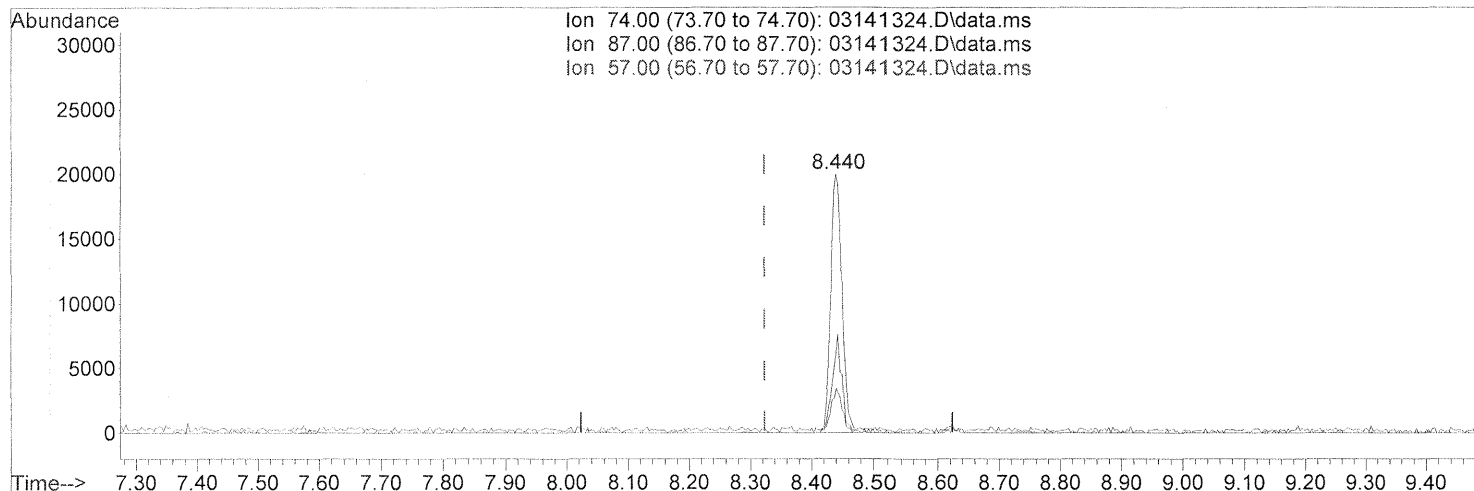
FP 6/17/13
 ET

LR 6/17/13

Quantitation Report (Qedit)

Data Path : J:\MS14\DATA\ACIDS\2013_06\14\
 Data File : 03141324.D
 Acq On : 14 Jun 2013 6:11 pm
 Operator : EI
 Sample : P1302340-007 Back 1.0ml
 Misc :
 ALS Vial : 22 Sample Multiplier: 1

Quant Time: Jun 15 09:53:29 2013
 Quant Method : J:\MS14\METHODS\CA061013E.M
 Quant Title : Short Chain Carboxylic Acids in Air
 QLast Update : Tue Jun 11 08:53:59 2013
 Response via : Initial Calibration



TIC: 03141324.D\data.ms

(11) 4-Methylpentanoic acid (T)

8.440min (+0.116) 1.30ug/ml

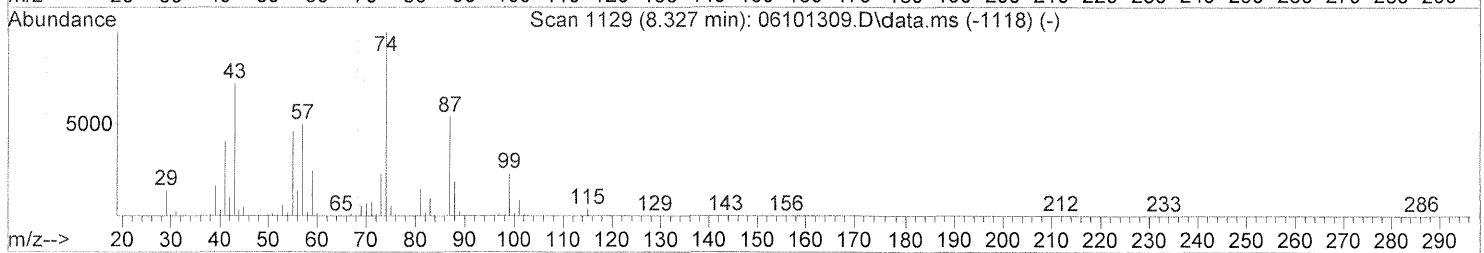
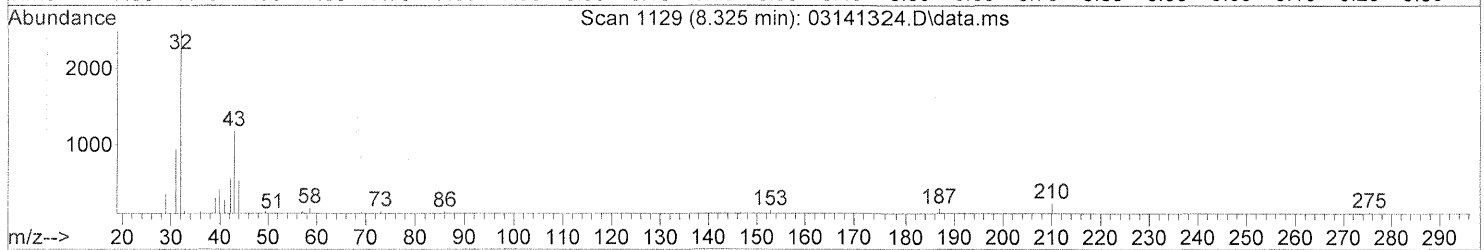
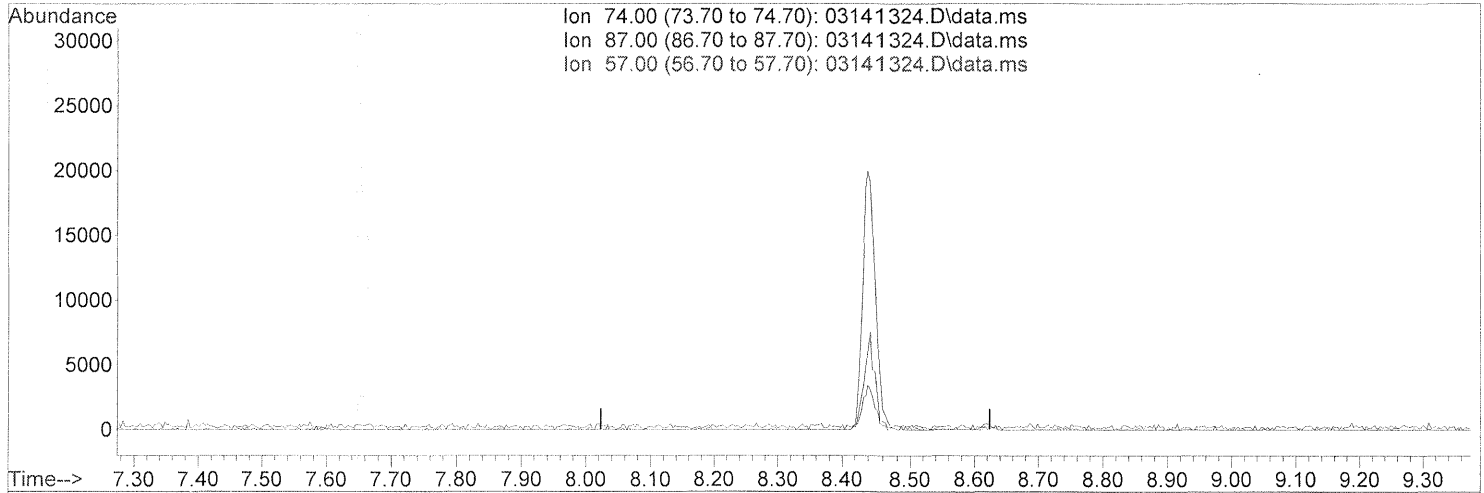
response 25301

Ion	Exp%	Act%
74.00	100	100
87.00	54.70	32.25#
57.00	48.10	16.77#
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : J:\MS14\DATA\ACIDS\2013_06\14\
 Data File : 03141324.D
 Acq On : 14 Jun 2013 6:11 pm
 Operator : EI
 Sample : P1302340-007 Back 1.0ml
 Misc :
 ALS Vial : 22 Sample Multiplier: 1

Quant Time: Jun 15 09:53:29 2013
 Quant Method : J:\MS14\METHODS\CA061013E.M
 Quant Title : Short Chain Carboxylic Acids in Air
 QLast Update : Tue Jun 11 08:53:59 2013
 Response via : Initial Calibration



TIC: 03141324.D\data.ms

(11) 4-Methylpentanoic acid (T)

8.324min 0.00ug/ml d

response 0

Ion	Exp%	Act%
74.00	100	0.00
87.00	54.70	0.00
57.00	48.10	0.00
0.00	0.00	0.00

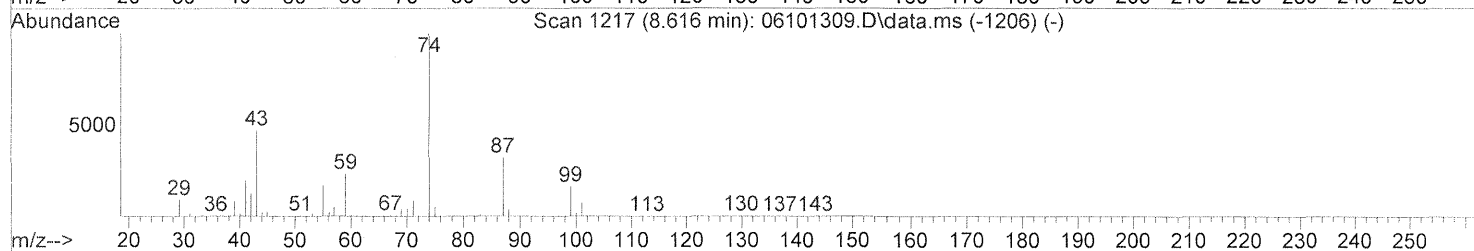
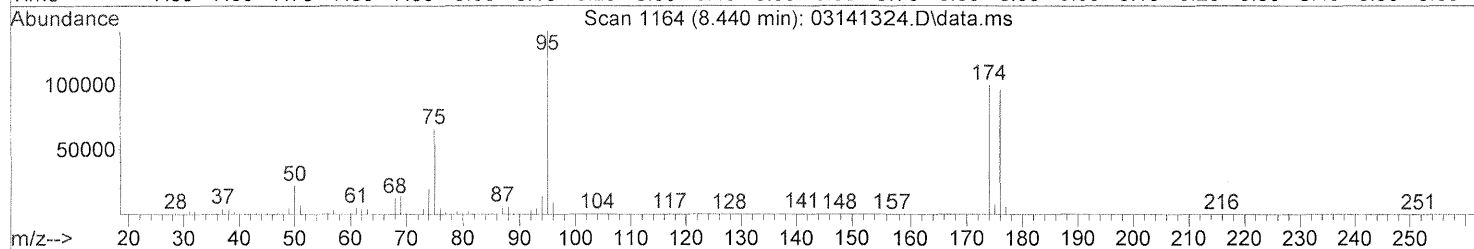
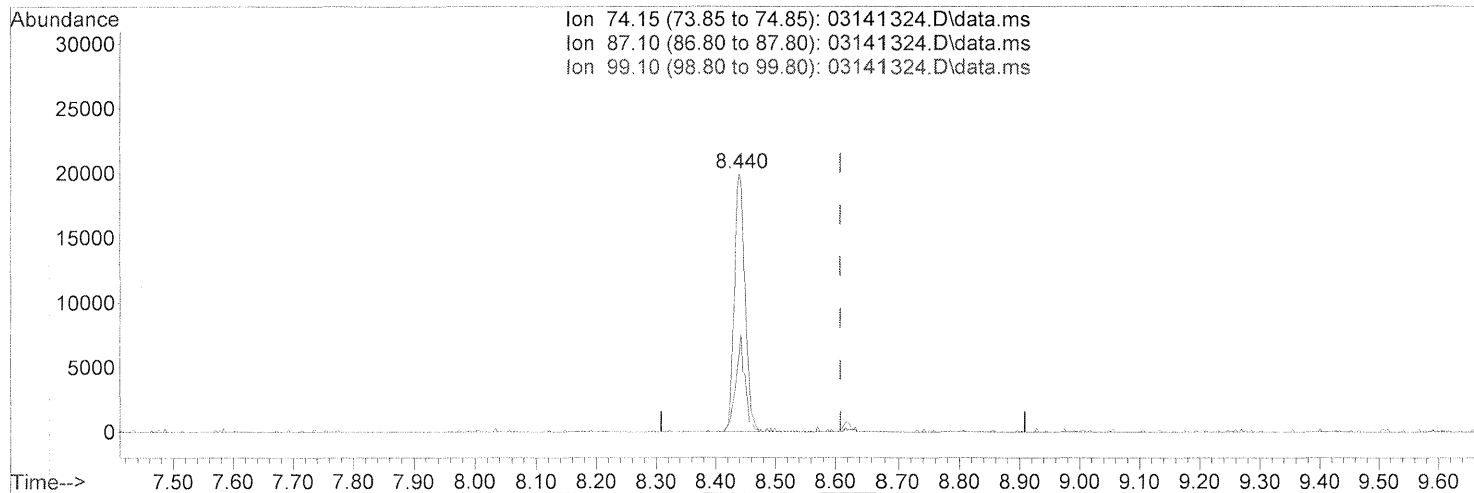
FP 6/17/13
 EE

UH 6/17/13

Quantitation Report (Qedit)

Data Path : J:\MS14\DATA\ACIDS\2013_06\14\
 Data File : 03141324.D
 Acq On : 14 Jun 2013 6:11 pm
 Operator : EI
 Sample : P1302340-007 Back 1.0ml
 Misc :
 ALS Vial : 22 Sample Multiplier: 1

Quant Time: Jun 15 09:53:29 2013
 Quant Method : J:\MS14\METHODS\CA061013E.M
 Quant Title : Short Chain Carboxylic Acids in Air
 QLast Update : Tue Jun 11 08:53:59 2013
 Response via : Initial Calibration



TIC: 03141324.D\data.ms

(12) Hexanoic acid (T)

8.440min (-0.169) 0.75ug/ml

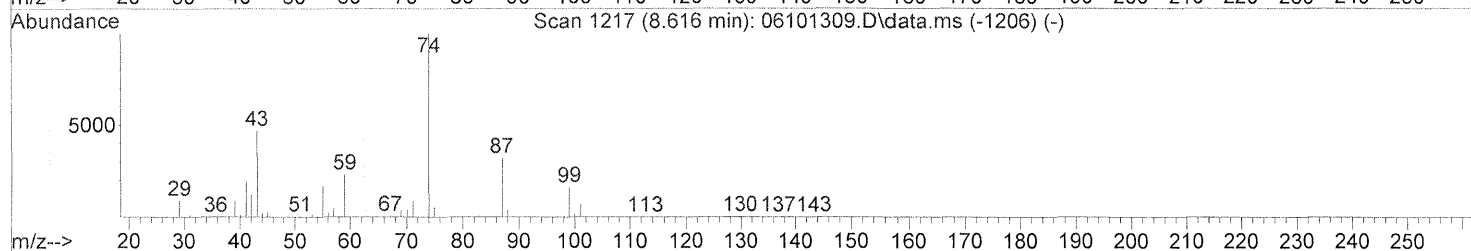
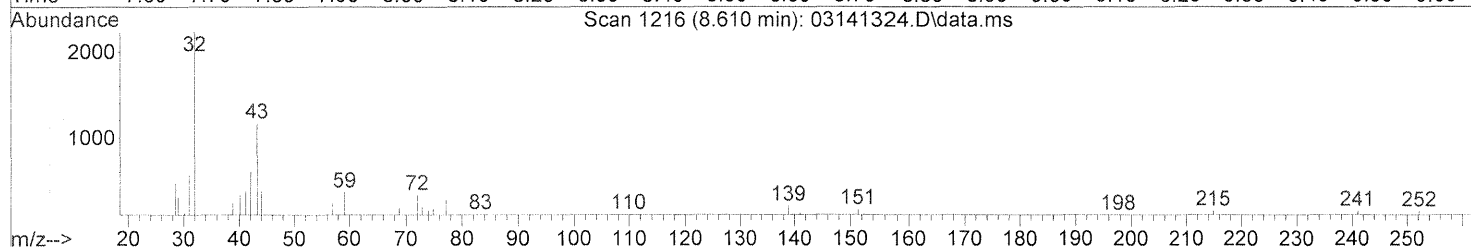
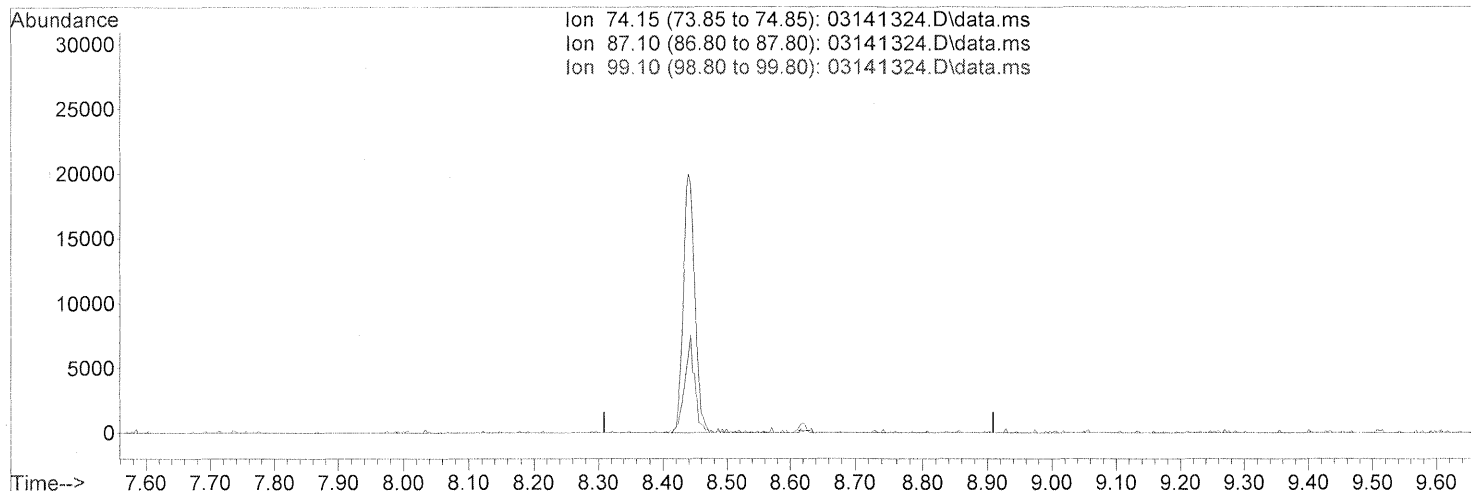
response 25274

Ion	Exp%	Act%
74.15	100	100
87.10	30.70	32.50
99.10	17.70	0.08
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : J:\MS14\DATA\ACIDS\2013_06\14\
 Data File : 03141324.D
 Acq On : 14 Jun 2013 6:11 pm
 Operator : EI
 Sample : P1302340-007 Back 1.0ml
 Misc :
 ALS Vial : 22 Sample Multiplier: 1

Quant Time: Jun 15 09:53:29 2013
 Quant Method : J:\MS14\METHODS\CA061013E.M
 Quant Title : Short Chain Carboxylic Acids in Air
 QLast Update : Tue Jun 11 08:53:59 2013
 Response via : Initial Calibration



TIC: 03141324.D\data.ms

(12) Hexanoic acid (T)

8.609min 0.00ug/ml d

response 0

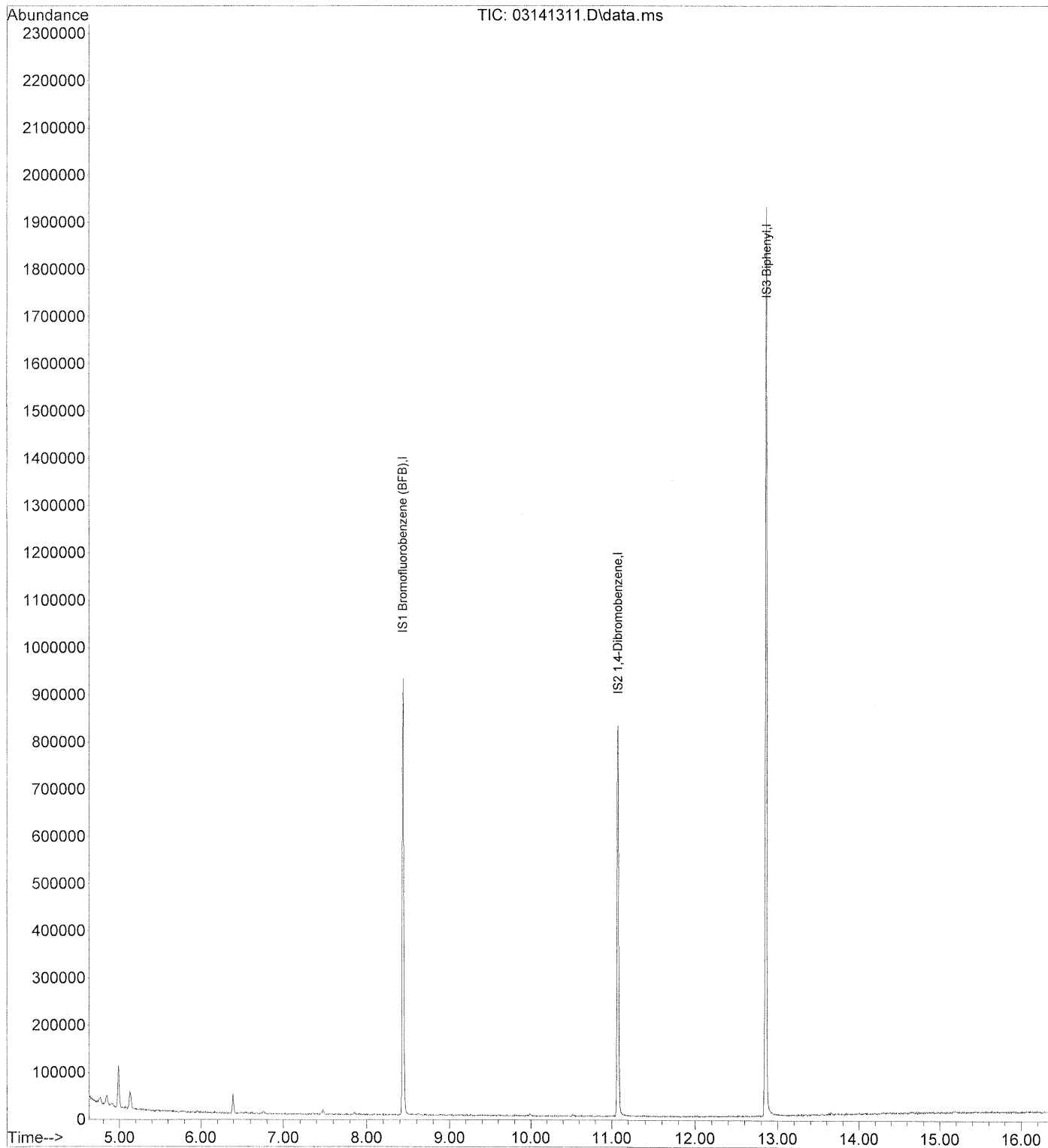
Ion	Exp%	Act%
74.15	100	0.00
87.10	30.70	0.00
99.10	17.70	0.00
0.00	0.00	0.00

FP 6/17/13
 EI

ur 6/17/13

Data Path : J:\MS14\DATA\ACIDS\2013_06\14\
Data File : 03141311.D
Acq On : 14 Jun 2013 12:28 pm
Operator : EI
Sample : MB 1.0ml
Misc :
ALS Vial : 9 Sample Multiplier: 1

Quant Time: Jun 14 14:10:33 2013
Quant Method : J:\MS14\METHODS\CA061013E.M
Quant Title : Short Chain Carboxylic Acids in Air
QLast Update : Tue Jun 11 08:53:59 2013
Response via : Initial Calibration



Data Path : J:\MS14\DATA\ACIDS\2013_06\14\
 Data File : 03141311.D
 Acq On : 14 Jun 2013 12:28 pm
 Operator : EI
 Sample : MB 1.0ml
 Misc :
 ALS Vial : 9 Sample Multiplier: 1

Quant Time: Jun 14 14:10:33 2013
 Quant Method : J:\MS14\METHODS\CA061013E.M
 Quant Title : Short Chain Carboxylic Acids in Air
 QLast Update : Tue Jun 11 08:53:59 2013
 Response via : Initial Calibration

6/14/13
 ET

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev (Min)
1) IS1 Bromofluorobenzene...	8.44	95	271215	10.00	ug/ml	0.00
13) IS2 1,4-Dibromobenzene	11.08	236	180122	10.00	ug/ml	0.00
19) IS3 Biphenyl	12.85	154	854422	10.00	ug/ml	0.00

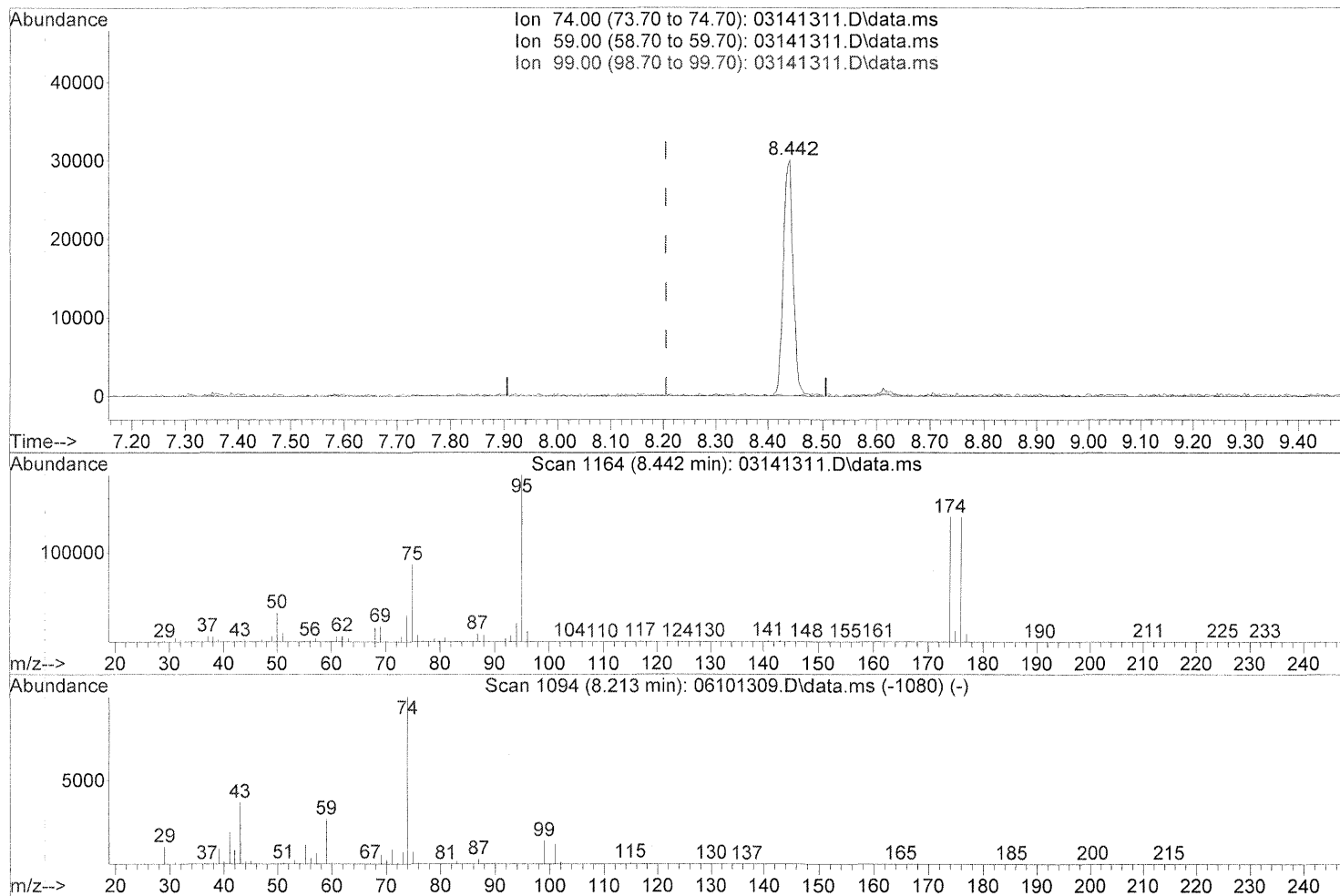
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Acetic acid	4.76	74	323	N.D.		
3) Propanoic acid	5.58	57	152	N.D.		
4) 2-Methylpropanoic acid	5.89	71	49	N.D.		
5) Butanoic acid	6.49	74	244	N.D.		
6) 2-Methylbutanoic acid	7.00	88	22	N.D.		
7) 3-Methylbutanoic acid	7.14	74	102	N.D.		
8) Pentanoic acid	7.56	74	33	N.D.		
9) 2-Methylpentanoic acid	7.95	88	23	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	9.60	74	268	N.D.		
15) 2-Ethylhexanoic acid	9.65	87	47	N.D.		
16) Cyclohexanecarboxylic ...	10.16	55	270	N.D.		
17) Octanoic acid	10.52	74	1252	N.D.		
18) Benzoic acid	10.83	105	393	N.D.		
20) Nonanoic acid	11.38	74	343	N.D.		
21) Decanoic Acid	12.18	74	373	N.D.		

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

Quantitation Report (Qedit)

Data Path : J:\MS14\DATA\ACIDS\2013_06\14\
Data File : 03141311.D
Acq On : 14 Jun 2013 12:28 pm
Operator : EI
Sample : MB 1.0ml
Misc :
ALS Vial : 9 Sample Multiplier: 1

Quant Time: Jun 14 14:09:34 2013
Quant Method : J:\MS14\METHODS\CA061013E.M
Quant Title : Short Chain Carboxylic Acids in Air
QLast Update : Tue Jun 11 08:53:59 2013
Response via : Initial Calibration



TIC: 03141311.D\data.ms

(10) 3-Methylpentanoic acid (T)

8.442min (+0.236) 0.68ug/ml

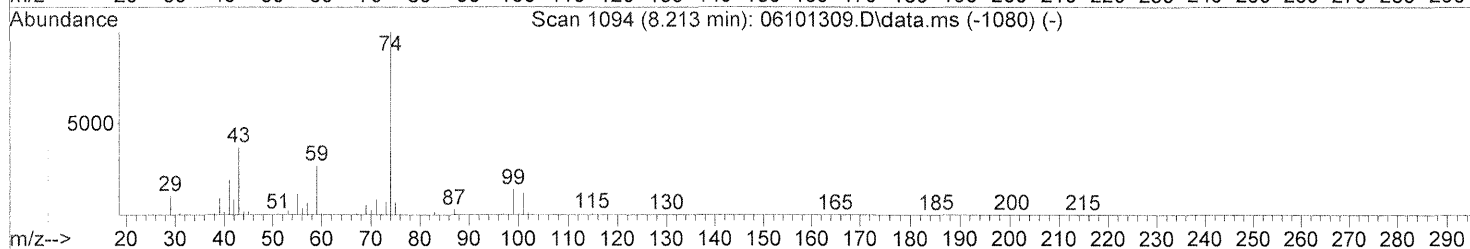
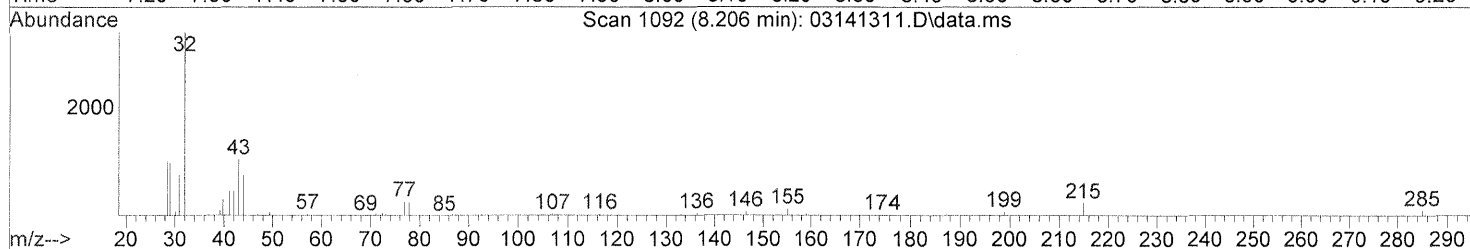
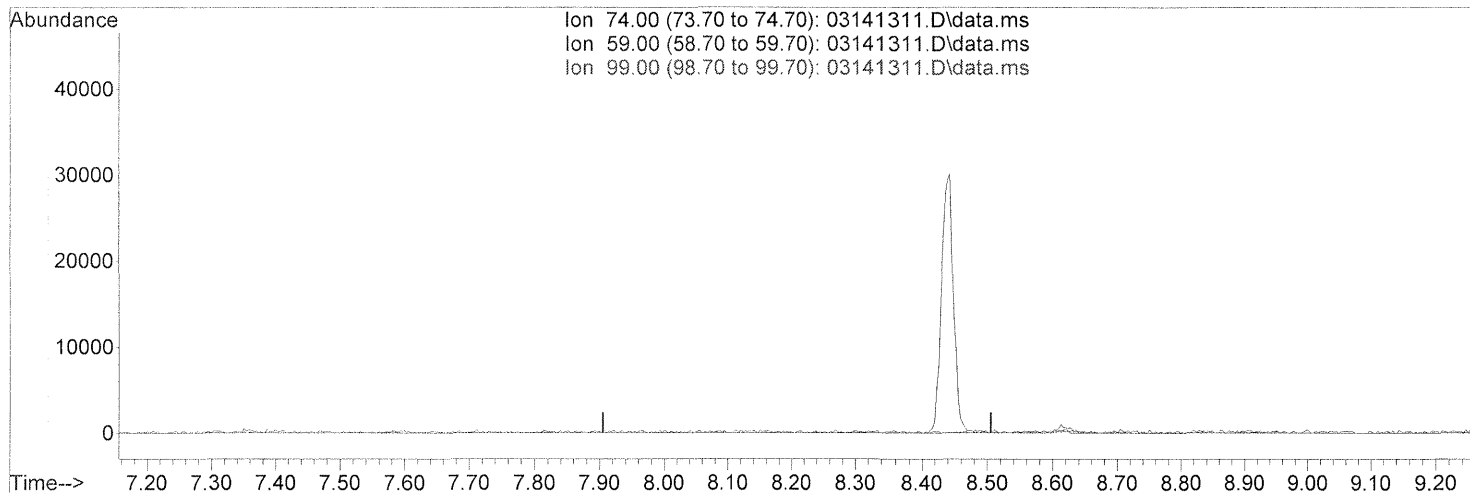
response 38020

Ion	Exp%	Act%
74.00	100	100
59.00	25.70	0.08#
99.00	14.20	0.06
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : J:\MS14\DATA\ACIDS\2013_06\14\
 Data File : 03141311.D
 Acq On : 14 Jun 2013 12:28 pm
 Operator : EI
 Sample : MB 1.0ml
 Misc :
 ALS Vial : 9 Sample Multiplier: 1

Quant Time: Jun 14 14:09:34 2013
 Quant Method : J:\MS14\METHODS\CA061013E.M
 Quant Title : Short Chain Carboxylic Acids in Air
 QLast Update : Tue Jun 11 08:53:59 2013
 Response via : Initial Calibration



TIC: 03141311.D\data.ms

(10) 3-Methylpentanoic acid (T)

8.206min 0.00ug/ml d

response 0

Ion	Exp%	Act%
74.00	100	0.00
59.00	25.70	0.00
99.00	14.20	0.00
0.00	0.00	0.00

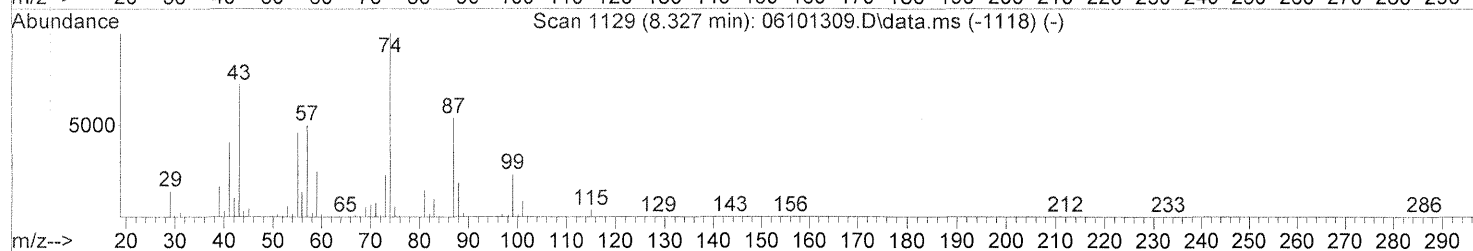
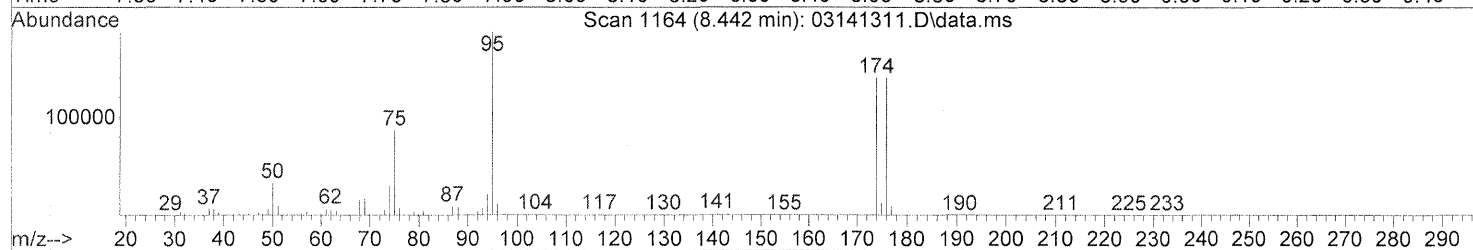
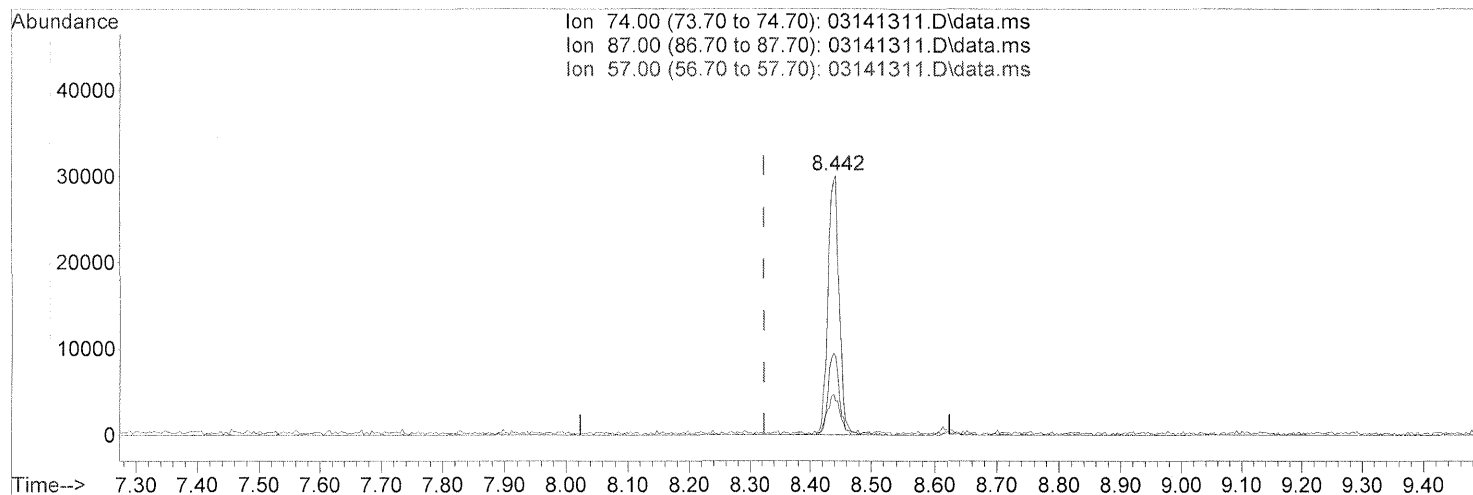
FP 6/14/13
 ET

W 6/17/13

Quantitation Report (Qedit)

Data Path : J:\MS14\DATA\ACIDS\2013_06\14\
Data File : 03141311.D
Acq On : 14 Jun 2013 12:28 pm
Operator : EI
Sample : MB 1.0ml
Misc :
ALS Vial : 9 Sample Multiplier: 1

Quant Time: Jun 14 14:09:34 2013
Quant Method : J:\MS14\METHODS\CA061013E.M
Quant Title : Short Chain Carboxylic Acids in Air
QLast Update : Tue Jun 11 08:53:59 2013
Response via : Initial Calibration



TIC: 03141311.D\data.ms

(11) 4-Methylpentanoic acid (T)

8.442min (+0.118) 1.31ug/ml

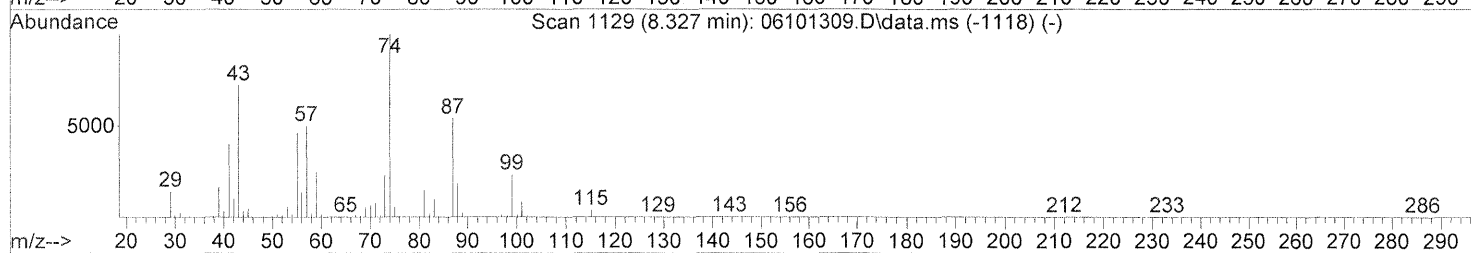
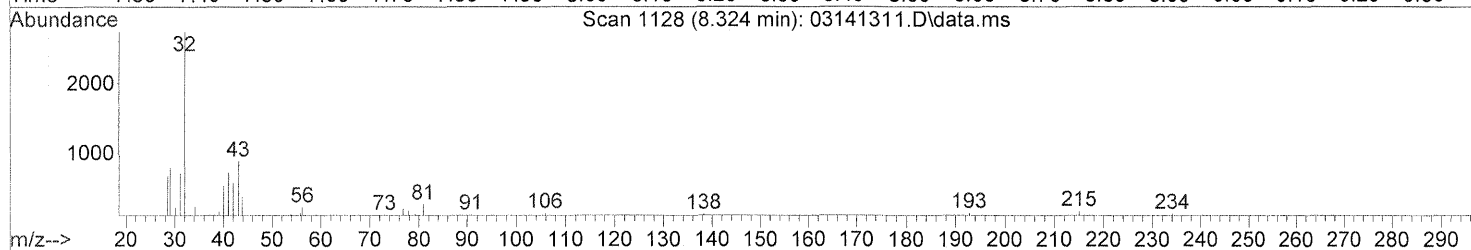
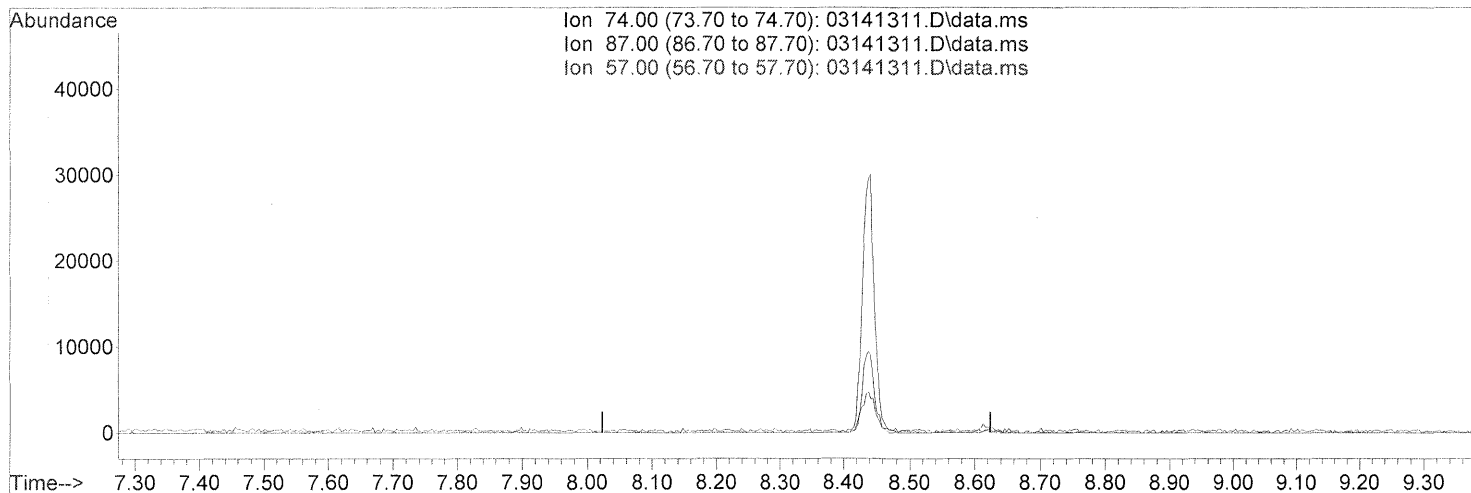
response 38020

Ion	Exp%	Act%
74.00	100	100
87.00	54.70	31.49#
57.00	48.10	16.37#
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : J:\MS14\DATA\ACIDS\2013_06\14\
Data File : 03141311.D
Acq On : 14 Jun 2013 12:28 pm
Operator : EI
Sample : MB 1.0ml
Misc :
ALS Vial : 9 Sample Multiplier: 1

Quant Time: Jun 14 14:09:34 2013
Quant Method : J:\MS14\METHODS\CA061013E.M
Quant Title : Short Chain Carboxylic Acids in Air
QLast Update : Tue Jun 11 08:53:59 2013
Response via : Initial Calibration



TIC: 03141311.D\data.ms

(11) 4-Methylpentanoic acid (T)

8.324min 0.00ug/ml d

response 0

Ion	Exp%	Act%
74.00	100	0.00
87.00	54.70	0.00
57.00	48.10	0.00
0.00	0.00	0.00

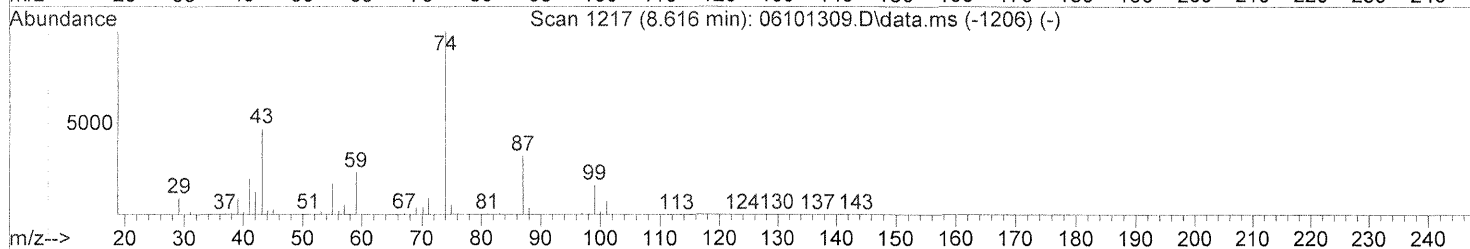
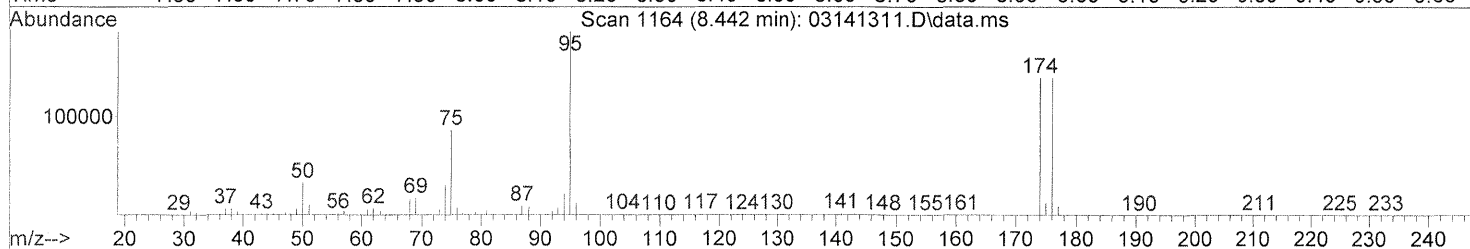
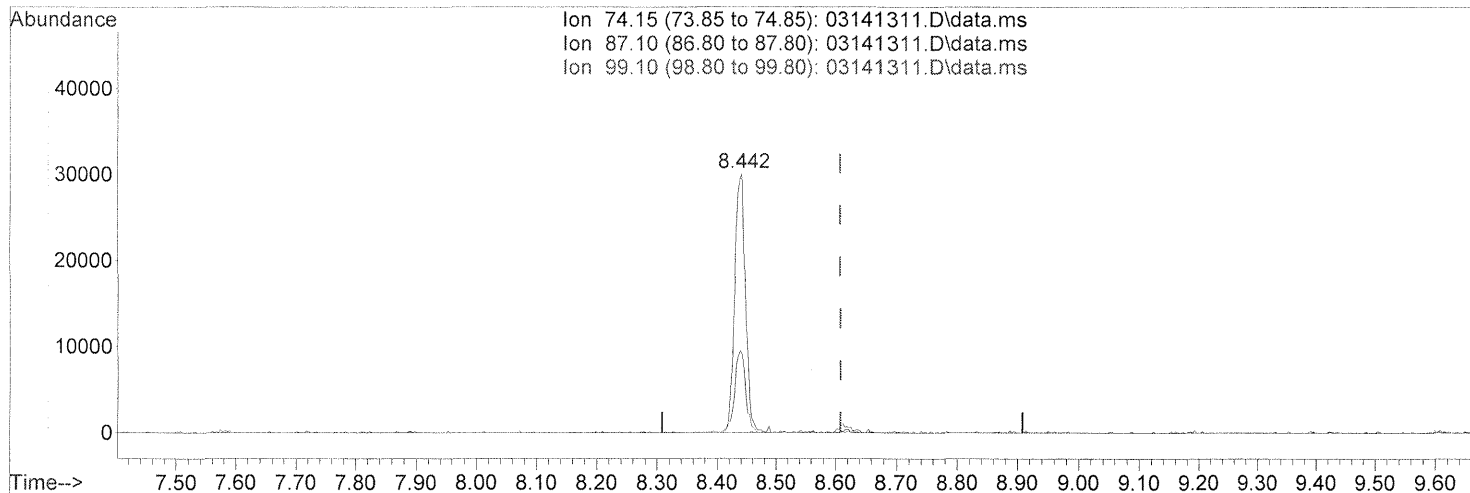
FP 6/14/13
ET

W 6/17/13

Quantitation Report (Qedit)

Data Path : J:\MS14\DATA\ACIDS\2013_06\14\
 Data File : 03141311.D
 Acq On : 14 Jun 2013 12:28 pm
 Operator : EI
 Sample : MB 1.0ml
 Misc :
 ALS Vial : 9 Sample Multiplier: 1

Quant Time: Jun 14 14:09:34 2013
 Quant Method : J:\MS14\METHODS\CA061013E.M
 Quant Title : Short Chain Carboxylic Acids in Air
 QLast Update : Tue Jun 11 08:53:59 2013
 Response via : Initial Calibration



TIC: 03141311.D\data.ms

(12) Hexanoic acid (T)

8.442min (-0.167) 0.75ug/ml

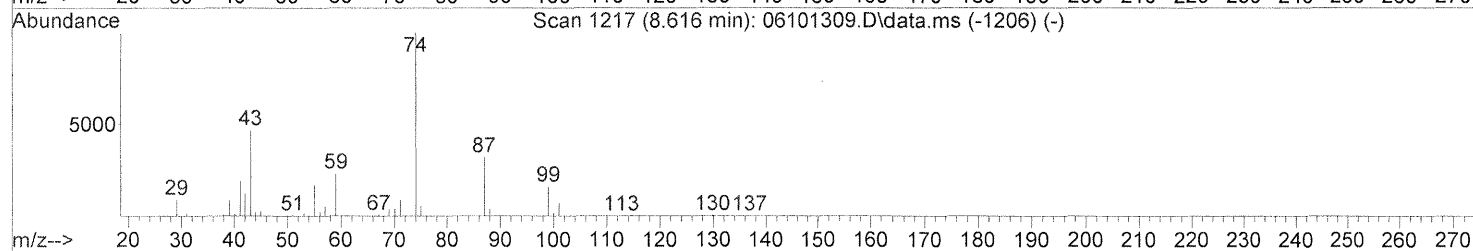
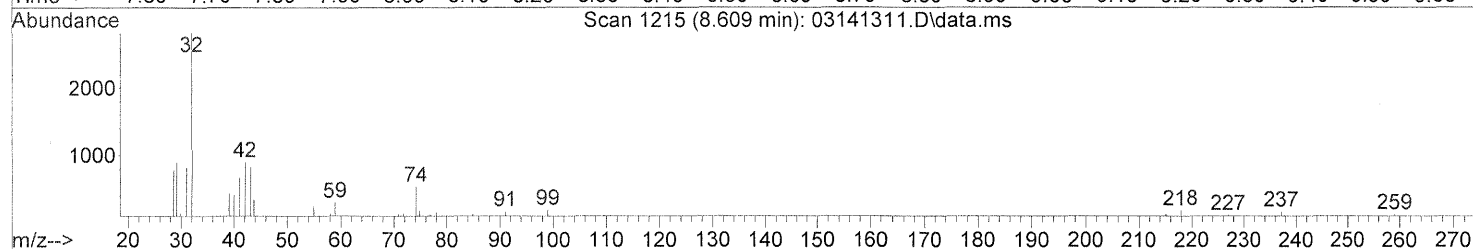
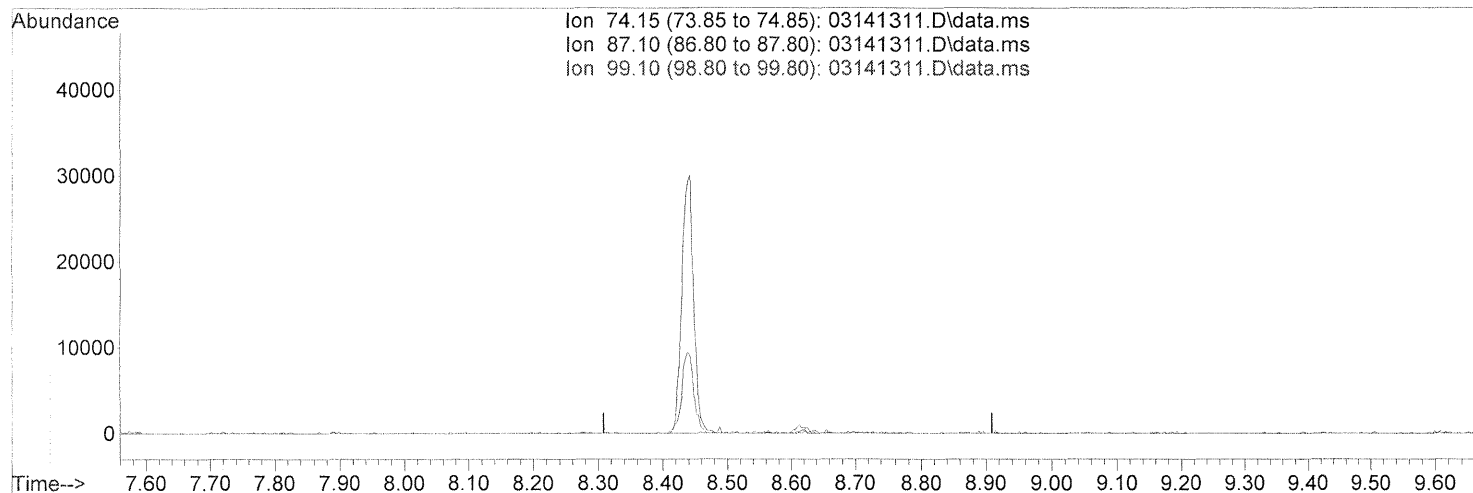
response 38050

Ion	Exp%	Act%
74.15	100	100
87.10	30.70	31.87
99.10	17.70	0.06
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : J:\MS14\DATA\ACIDS\2013_06\14\
 Data File : 03141311.D
 Acq On : 14 Jun 2013 12:28 pm
 Operator : EI
 Sample : MB 1.0ml
 Misc :
 ALS Vial : 9 Sample Multiplier: 1

Quant Time: Jun 14 14:09:34 2013
 Quant Method : J:\MS14\METHODS\CA061013E.M
 Quant Title : Short Chain Carboxylic Acids in Air
 QLast Update : Tue Jun 11 08:53:59 2013
 Response via : Initial Calibration



TIC: 03141311.D\data.ms

(12) Hexanoic acid (T)

8.609min 0.00ug/ml d

response 0

Ion	Exp%	Act%
74.15	100	0.00
87.10	30.70	0.00
99.10	17.70	0.00
0.00	0.00	0.00

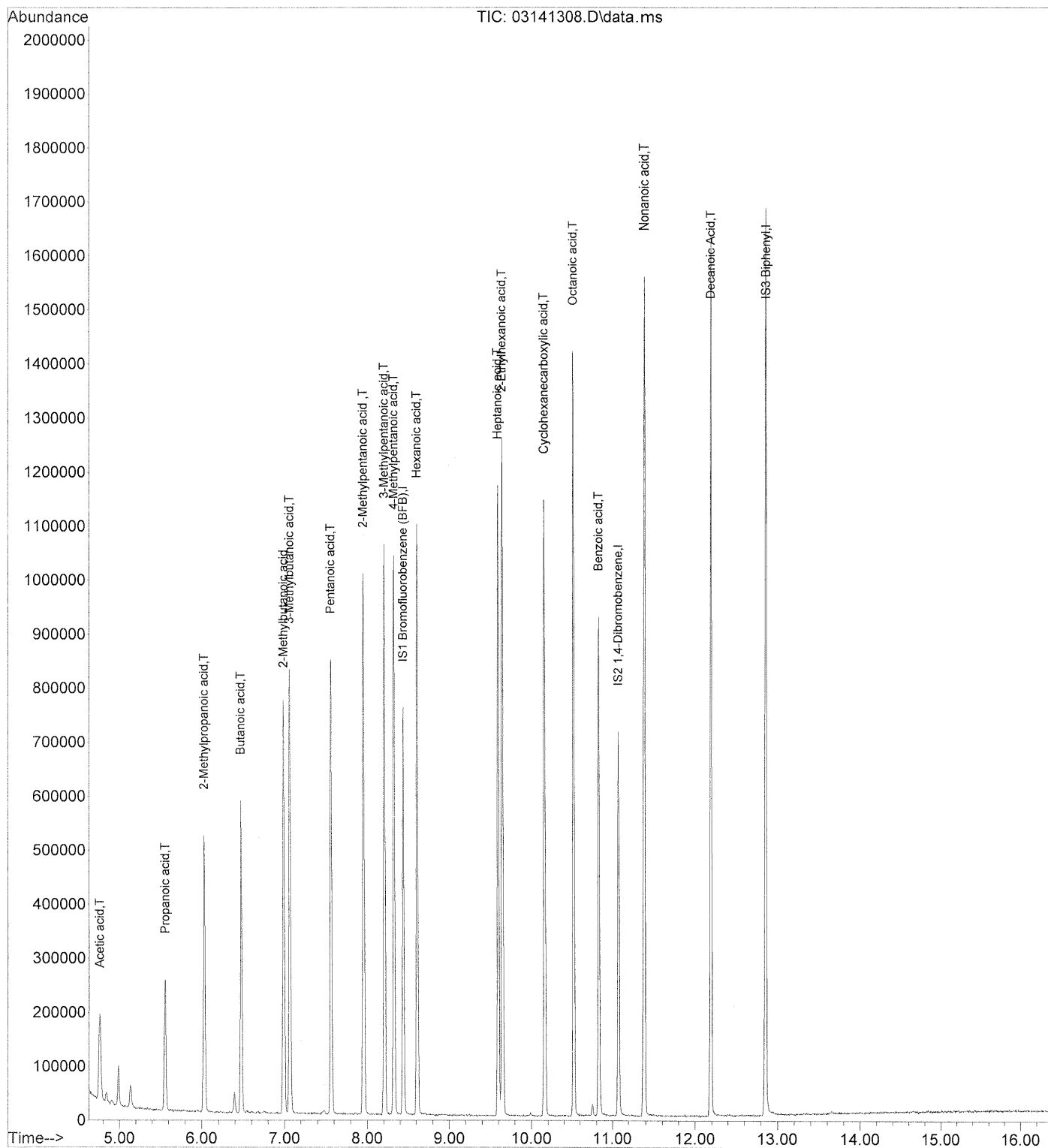
FP 6/14/13

ET

LM 6/17/13

Data Path : J:\MS14\DATA\ACIDS\2013_06\14\
Data File : 03141308.D
Acq On : 14 Jun 2013 11:21 am
Operator : EI
Sample : SS 10/20ug/ml
Misc :
ALS Vial : 6 Sample Multiplier: 1

Quant Time: Jun 14 11:40:07 2013
Quant Method : J:\MS14\METHODS\CA061013E.M
Quant Title : Short Chain Carboxylic Acids in Air
QLast Update : Tue Jun 11 08:53:59 2013
Response via : Initial Calibration



Data Path : J:\MS14\DATA\ACIDS\2013_06\14\
 Data File : 03141308.D
 Acq On : 14 Jun 2013 11:21 am
 Operator : EI
 Sample : SS 10/20ug/ml
 Misc :
 ALS Vial : 6 Sample Multiplier: 1

6/14/13
 EC

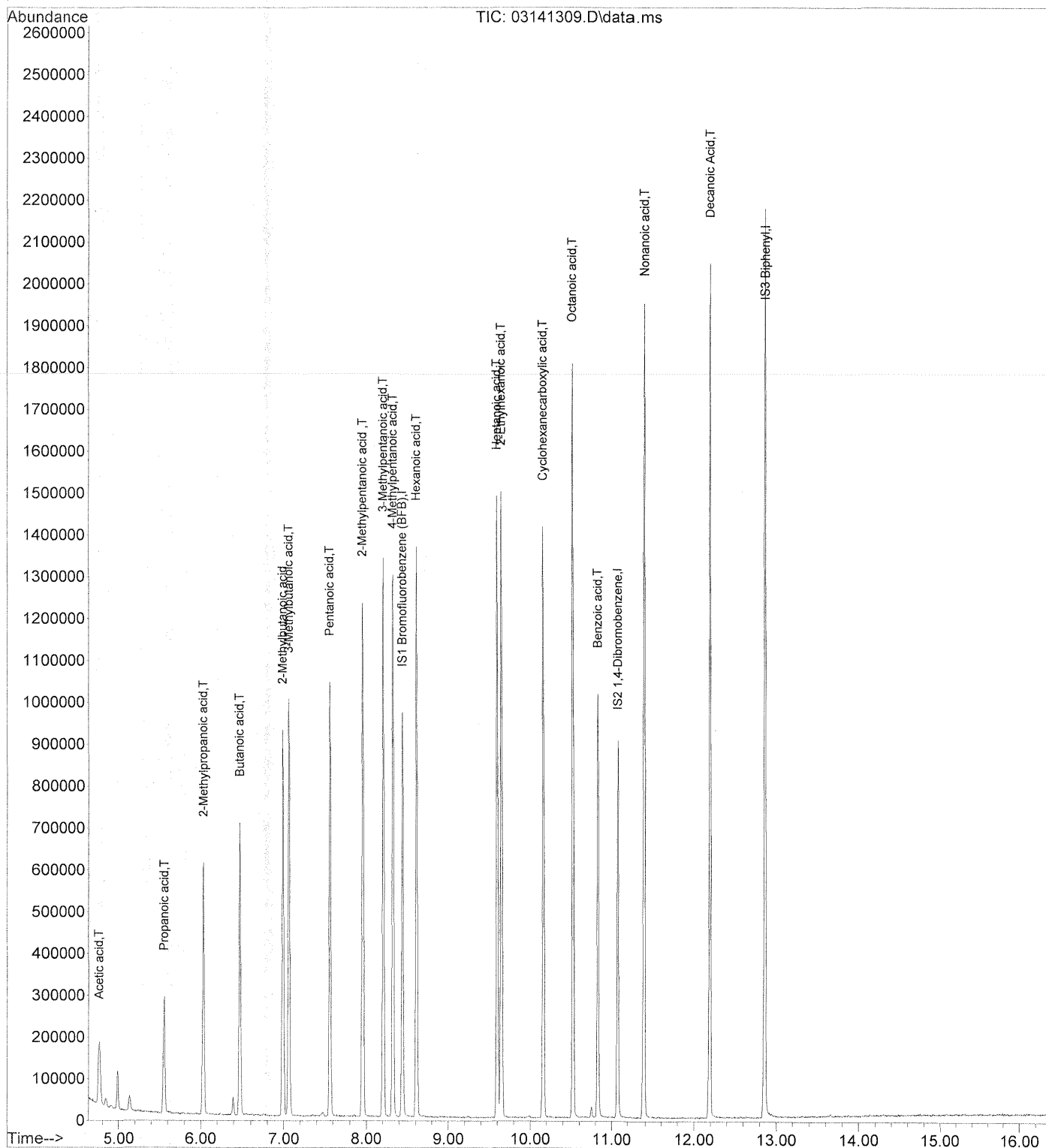
Quant Time: Jun 14 11:40:07 2013
 Quant Method : J:\MS14\METHODS\CA061013E.M
 Quant Title : Short Chain Carboxylic Acids in Air
 QLast Update : Tue Jun 11 08:53:59 2013
 Response via : Initial Calibration

Internal Standards		R.T.	QIon	Response	Conc	Units	Dev (Min)
1)	IS1 Bromofluorobenzene...	8.44	95	217353	10.00	ug/ml	0.00
13)	IS2 1,4-Dibromobenzene	11.08	236	145471	10.00	ug/ml	0.00
19)	IS3 Biphenyl	12.86	154	697445	10.00	ug/ml	0.00
Target Compounds							Qvalue
2)	Acetic acid	4.76	74	42303	15.87	ug/ml#	73
3)	Propanoic acid	5.56	57	144329	7.84	ug/ml	95
4)	2-Methylpropanoic acid	6.03	71	102692	9.64	ug/ml	95
5)	Butanoic acid	6.47	74	169614	9.53	ug/ml	100
6)	2-Methylbutanoic acid	6.99	88	239704	9.99	ug/ml	92
7)	3-Methylbutanoic acid	7.06	74	321658	10.05	ug/ml	97
8)	Pentanoic acid	7.56	74	308061	10.18	ug/ml	96
9)	2-Methylpentanoic acid	7.95	88	408781	10.61	ug/ml	99
10)	3-Methylpentanoic acid	8.21	74	464926	10.37	ug/ml	96
11)	4-Methylpentanoic acid	8.32	74	235791	10.10	ug/ml	95
12)	Hexanoic acid	8.61	74	411802	10.15	ug/ml	98
14)	Heptanoic acid	9.60	74	439800	8.37	ug/ml	94
15)	2-Ethylhexanoic acid	9.65	87	350169	8.78	ug/ml	94
16)	Cyclohexanecarboxylic ...	10.16	55	204874	7.94	ug/ml	84
17)	Octanoic acid	10.52	74	531755	8.97	ug/ml	97
18)	Benzoic acid	10.83	105	407996	9.31	ug/ml	90
20)	Nonanoic acid	11.38	74	556656	9.65	ug/ml	96
21)	Decanoic Acid	12.19	74	556689	10.04	ug/ml	96

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

Data Path : J:\MS14\DATA\ACIDS\2013_06\14\
Data File : 03141309.D
Acq On : 14 Jun 2013 11:43 am
Operator : EI
Sample : LCS 10/20ug/ml
Misc :
ALS Vial : 7 Sample Multiplier: 1

Quant Time: Jun 14 12:01:04 2013
Quant Method : J:\MS14\METHODS\CA061013E.M
Quant Title : Short Chain Carboxylic Acids in Air
QLast Update : Tue Jun 11 08:53:59 2013
Response via : Initial Calibration



Data Path : J:\MS14\DATA\ACIDS\2013_06\14\
 Data File : 03141309.D
 Acq On : 14 Jun 2013 11:43 am
 Operator : EI
 Sample : LCS 10/20ug/ml
 Misc :
 ALS Vial : 7 Sample Multiplier: 1

Quant Time: Jun 14 12:01:04 2013
 Quant Method : J:\MS14\METHODS\CA061013E.M
 Quant Title : Short Chain Carboxylic Acids in Air
 QLast Update : Tue Jun 11 08:53:59 2013
 Response via : Initial Calibration

6/17/13
 ET

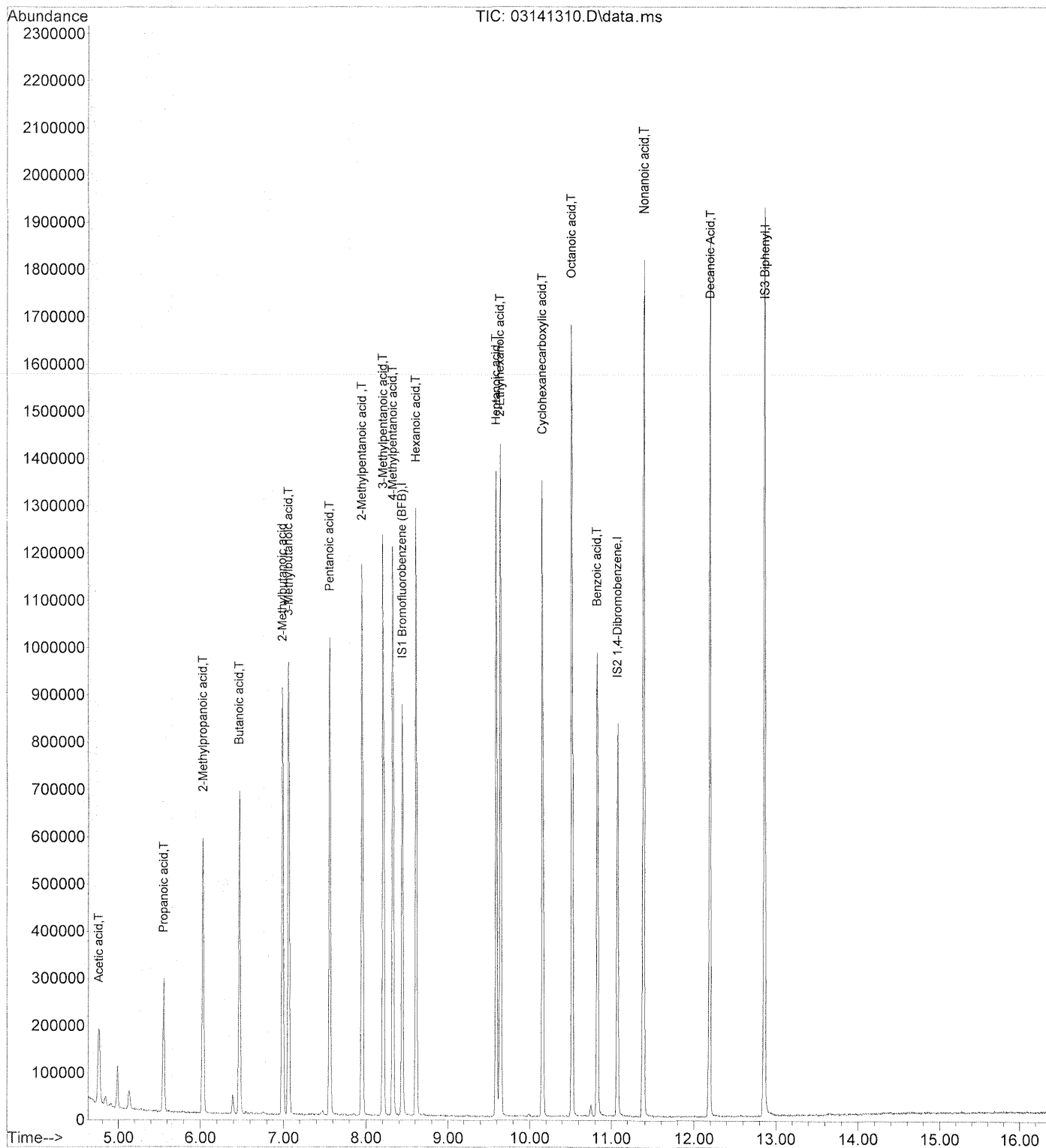
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev (Min)
1) IS1 Bromofluorobenzene...	8.44	95	279466	10.00	ug/ml	0.00
13) IS2 1,4-Dibromobenzene	11.08	236	191518	10.00	ug/ml	0.00
19) IS3 Biphenyl	12.85	154	920767	10.00	ug/ml	0.00

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Acetic acid	4.75	74	41615	12.14	ug/ml#	78
3) Propanoic acid	5.56	57	159555	6.74	ug/ml	93
4) 2-Methylpropanoic acid	6.03	71	117377	8.57	ug/ml	94
5) Butanoic acid	6.47	74	202079	8.83	ug/ml	100
6) 2-Methylbutanoic acid	6.99	88	292105	9.47	ug/ml	91
7) 3-Methylbutanoic acid	7.06	74	387975	9.43	ug/ml	96
8) Pentanoic acid	7.56	74	379330	9.74	ug/ml	96
9) 2-Methylpentanoic acid	7.95	88	508350	10.26	ug/ml	98
10) 3-Methylpentanoic acid	8.21	74	578334	10.03	ug/ml	96
11) 4-Methylpentanoic acid	8.32	74	296587	9.88	ug/ml	95
12) Hexanoic acid	8.61	74	515198	9.88	ug/ml	97
14) Heptanoic acid	9.60	74	562100	8.12	ug/ml	95
15) 2-Ethylhexanoic acid	9.65	87	419619	7.99	ug/ml	93
16) Cyclohexanecarboxylic ...	10.16	55	263195	7.75	ug/ml	84
17) Octanoic acid	10.52	74	676796	8.67	ug/ml	97
18) Benzoic acid	10.83	105	450000	7.80	ug/ml	90
20) Nonanoic acid	11.38	74	710606	9.33	ug/ml	96
21) Decanoic Acid	12.19	74	711138	9.72	ug/ml	98

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

Data Path : J:\MS14\DATA\ACIDS\2013_06\14\
Data File : 03141310.D
Acq On : 14 Jun 2013 12:06 pm
Operator : EI
Sample : LCSD 10/20ug/ml
Misc :
ALS Vial : 8 Sample Multiplier: 1

Quant Time: Jun 14 12:22:48 2013
Quant Method : J:\MS14\METHODS\CA061013E.M
Quant Title : Short Chain Carboxylic Acids in Air
QLast Update : Tue Jun 11 08:53:59 2013
Response via : Initial Calibration



Data Path : J:\MS14\DATA\ACIDS\2013_06\14\
Data File : 03141310.D
Acq On : 14 Jun 2013 12:06 pm
Operator : EI
Sample : LCSD 10/20ug/ml
Misc :
ALS Vial : 8 Sample Multiplier: 1

6/17/13

ET

Quant Time: Jun 14 12:22:48 2013
Quant Method : J:\MS14\METHODS\CA061013E.M
Quant Title : Short Chain Carboxylic Acids in Air
QLast Update : Tue Jun 11 08:53:59 2013
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev (Min)
1) IS1 Bromofluorobenzene...	8.44	95	262924	10.00	ug/ml	0.00
13) IS2 1,4-Dibromobenzene	11.08	236	171272	10.00	ug/ml	0.00
19) IS3 Biphenyl	12.85	154	815011	10.00	ug/ml	0.00

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Acetic acid	4.76	74	44685	13.86	ug/ml#	71
3) Propanoic acid	5.55	57	162115	7.28	ug/ml	94
4) 2-Methylpropanoic acid	6.03	71	115079	8.93	ug/ml	95
5) Butanoic acid	6.47	74	198584	9.22	ug/ml	99
6) 2-Methylbutanoic acid	6.99	88	280547	9.67	ug/ml	92
7) 3-Methylbutanoic acid	7.06	74	375113	9.69	ug/ml	96
8) Pentanoic acid	7.56	74	367996	10.05	ug/ml	96
9) 2-Methylpentanoic acid	7.95	88	478872	10.28	ug/ml	99
10) 3-Methylpentanoic acid	8.21	74	546538	10.07	ug/ml	96
11) 4-Methylpentanoic acid	8.32	74	281604	9.98	ug/ml	95
12) Hexanoic acid	8.61	74	487492	9.93	ug/ml	98
14) Heptanoic acid	9.60	74	518876	8.38	ug/ml	94
15) 2-Ethylhexanoic acid	9.65	87	399340	8.51	ug/ml	94
16) Cyclohexanecarboxylic ...	10.16	55	240472	7.91	ug/ml	83
17) Octanoic acid	10.52	74	630280	9.03	ug/ml	97
18) Benzoic acid	10.83	105	440788	8.55	ug/ml	90
20) Nonanoic acid	11.38	74	644639	9.56	ug/ml	95
21) Decanoic Acid	12.19	74	636893	9.83	ug/ml	96

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

Method Path : J:\MS14\METHODS\
 Method File : CA061013E.M
 Title : Short Chain Carboxylic Acids in Air
 Last Update : Tue Jun 11 08:53:59 2013
 Response Via : Initial Calibration

Calibration Files

0.25=06101306.D 1 =06101307.D 5 =06101308.D 10 =06101309.D
 25 =06101310.D 50 =06101311.D

Compound	0.25	1	5	10	25	50	Avg	%RSD
-----ISTD-----								
1) I IS1 Bromofluoroben...								
2) T Acetic acid		0.131	0.109	0.126	0.135	0.111	0.123	9.64
3) T Propanoic acid	1.069	0.811	0.768	0.847	0.849	0.741	0.847	13.77
4) T 2-Methylpropan...	0.519	0.466	0.480	0.515	0.500	0.461	0.490	5.07
5) T Butanoic acid	0.869	0.784	0.806	0.845	0.837	0.773	0.819	4.56
6) 2-Methylbutano...	1.171	1.049	1.108	1.146	1.107	1.043	1.104	4.62
7) T 3-Methylbutano...	1.535	1.381	1.508	1.516	1.497	1.399	1.473	4.45
8) T Pentanoic acid	1.281	1.417	1.452	1.444	1.416	1.346	1.393	4.75
9) T 2-Methylpentan...	1.684	1.744	1.845	1.837	1.810	1.714	1.772	3.82
10) T 3-Methylpentan...	2.017	1.962	2.204	2.132	2.089	1.976	2.063	4.61
11) T 4-Methylpentan...	1.129	0.970	1.121	1.108	1.083	1.030	1.074	5.77
12) T Hexanoic acid	1.876	1.843	1.938	1.895	1.869	1.778	1.867	2.86
-----ISTD-----								
13) I IS2 1,4-Dibromoben...								
14) T Heptanoic acid	3.348	3.319	3.838	3.750	3.764	3.663	3.614	6.21
15) T 2-Ethylhexanoi...	2.534	2.683	2.877	2.768	2.822	2.762	2.741	4.39
16) T Cyclohexanecar...	1.818	1.675	1.830	1.796	1.782	1.745	1.774	3.20
17) T Octanoic acid	3.696	3.644	4.252	4.212	4.338	4.309	4.075	7.79
18) T Benzoic acid	2.981	2.760	3.127	3.052	3.127	3.023	3.012	4.52
-----ISTD-----								
19) I IS3 Biphenyl								
20) T Nonanoic acid	0.686	0.755	0.880	0.899	0.882	0.859	0.827	10.41
21) T Decanoic Acid	0.587	0.675	0.865	0.883	0.900	0.858	0.795	16.43

(#) = Out of Range

Acetic Acid lowest level dropped, MRL = 2ug/mL
 all other compounds MRL = 0.25ug/mL

Method Path : J:\MS14\METHODS\
Method File : CA061013E.M
Title : Short Chain Carboxylic Acids in Air
Last Update : Tue Jun 11 08:53:59 2013
Response Via : Initial Calibration

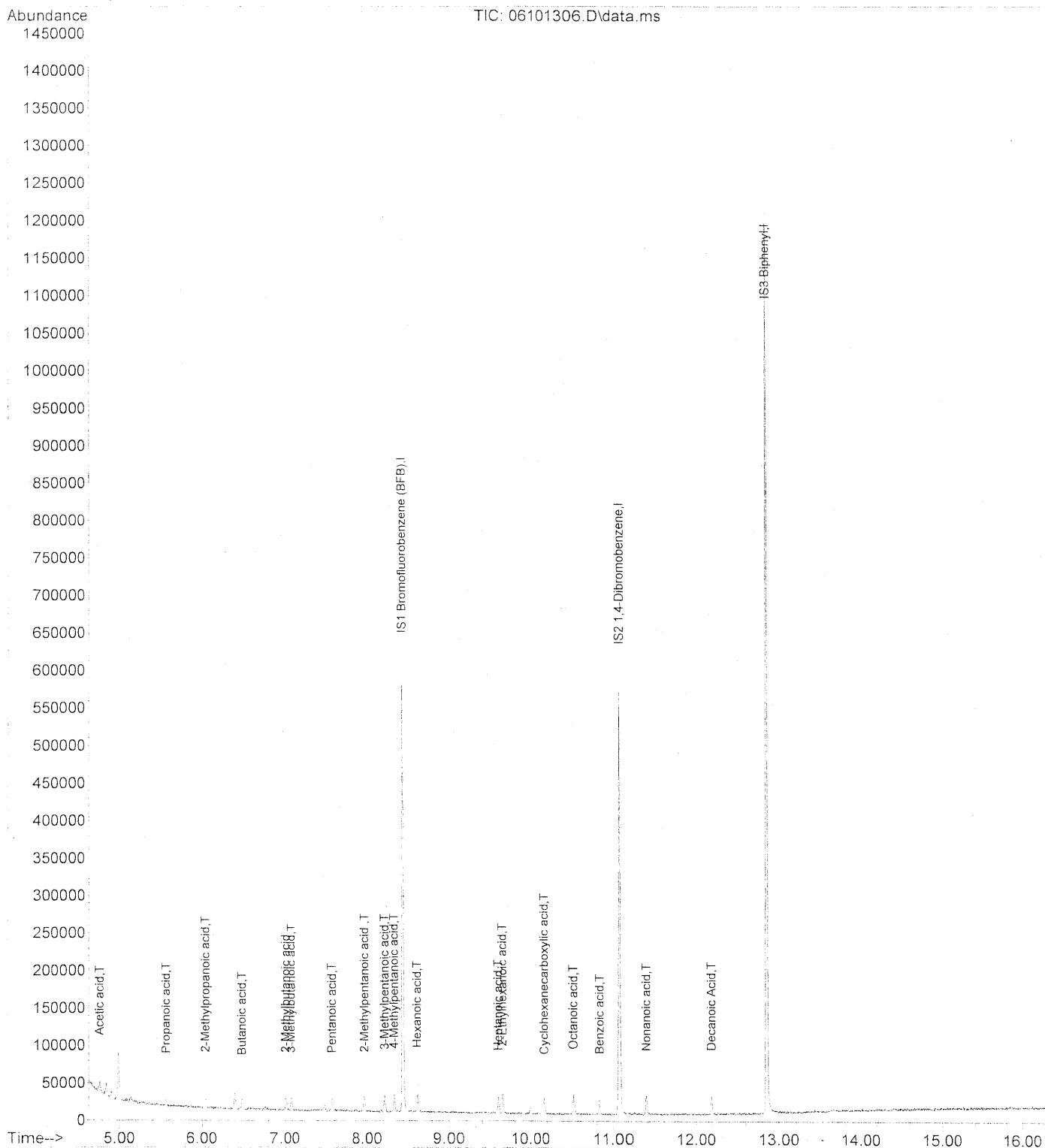
#	ID	Conc	ISTD Conc	Path\File
1	0.25	-1	10	J:\MS14\DATA\ACIDS\2013_06\10\06101306.D
2	1	2	10	J:\MS14\DATA\ACIDS\2013_06\10\06101307.D
3	5	10	10	J:\MS14\DATA\ACIDS\2013_06\10\06101308.D
4	10	20	10	J:\MS14\DATA\ACIDS\2013_06\10\06101309.D
5	25	50	10	J:\MS14\DATA\ACIDS\2013_06\10\06101310.D
6	50	100	10	J:\MS14\DATA\ACIDS\2013_06\10\06101311.D

#	ID	Update Time	Quant Time	Acquisition Time
1	0.25	Jun 11 07:49 2013	Jun 11 07:48 2013	10 Jun 2013 1:44 pm
2	1	Jun 11 08:52 2013	Jun 11 08:50 2013	10 Jun 2013 2:06 pm
3	5	Jun 11 08:52 2013	Jun 11 07:51 2013	10 Jun 2013 2:28 pm
4	10	Jun 11 08:52 2013	Jun 11 08:46 2013	10 Jun 2013 2:50 pm
5	25	Jun 11 08:53 2013	Jun 11 08:53 2013	10 Jun 2013 3:12 pm
6	50	Jun 11 08:53 2013	Jun 11 08:53 2013	10 Jun 2013 3:52 pm

CA061013E.M Tue Jun 11 08:59:23 2013

Data Path : J:\MS14\DATA\ACIDS\2013_06\10\
Data File : 06101306.D
Acq On : 10 Jun 2013 1:44 pm
Operator : EI
Sample : 0.25/0.5ug/ml Carboxylic Acids
Misc : S26-06041309
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Jun 11 07:48:26 2013
Quant Method : J:\MS14\METHODS\CA061013E.M
Quant Title : Short Chain Carboxylic Acids in Air
QLast Update : Mon Jun 10 16:47:59 2013
Response via : Initial Calibration



Data Path : J:\MS14\DATA\ACIDS\2013_06\10\
 Data File : 06101306.D
 Acq On : 10 Jun 2013 1:44 pm
 Operator : EI
 Sample : 0.25/0.5ug/ml Carboxylic Acids
 Misc : S26-06041309
 ALS Vial : 2 Sample Multiplier: 1

6/10/13

Quant Time: Jun 11 07:48:26 2013
 Quant Method : J:\MS14\METHODS\CA061013E.M
 Quant Title : Short Chain Carboxylic Acids in Air
 QLast Update : Mon Jun 10 16:47:59 2013
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) IS1 Bromofluorobenzene...	8.44	95	164521	10.00	ug/ml	0.00
13) IS2 1,4-Dibromobenzene	11.08	236	94344	10.00	ug/ml	0.00
19) IS3 Biphenyl	12.86	154	483358	10.00	ug/ml	0.00

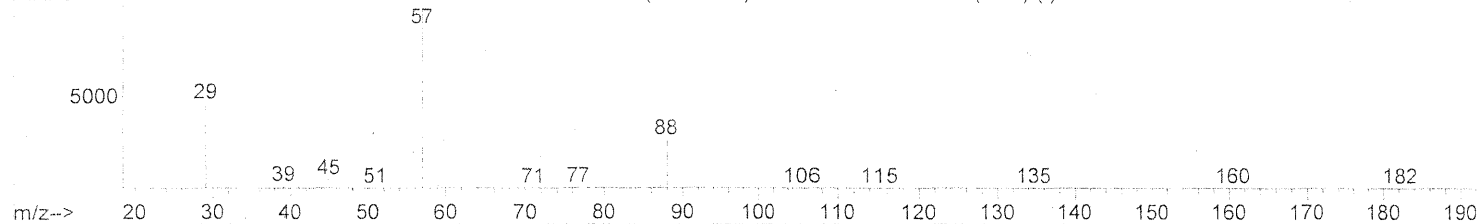
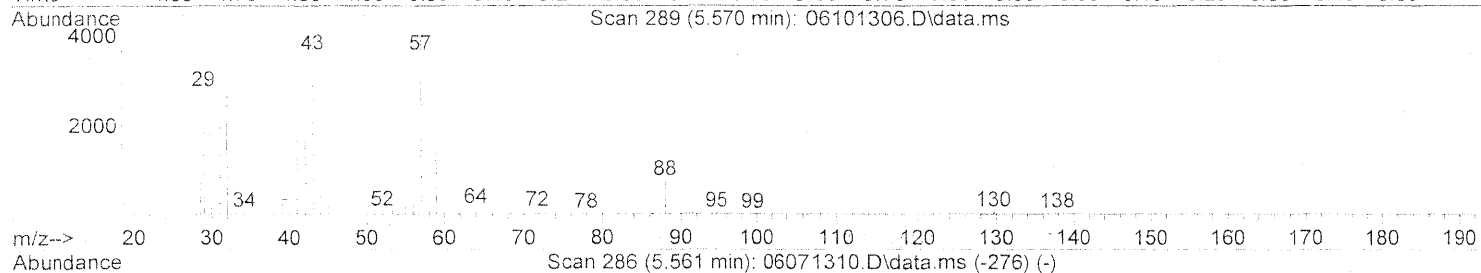
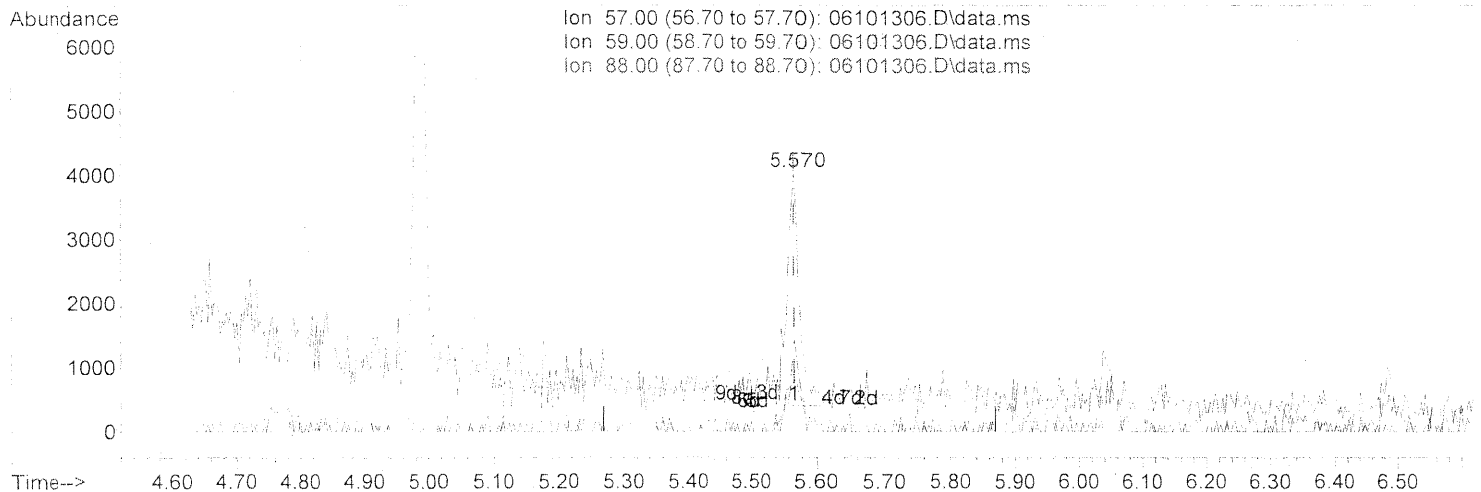
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Acetic acid	4.76	74	1648	0.82	ug/ml#	89
3) Propanoic acid	5.57	57	4397m	0.32	ug/ml	
4) 2-Methylpropanoic acid	6.04	71	2135	0.26	ug/ml	94
5) Butanoic acid	6.48	74	3573	0.27	ug/ml	90
6) 2-Methylbutanoic acid	7.00	88	4815	0.27	ug/ml	92
7) 3-Methylbutanoic acid	7.08	74	6313	0.26	ug/ml	95
8) Pentanoic acid	7.58	74	5270	0.23	ug/ml#	74
9) 2-Methylpentanoic acid	7.97	88	6926	0.24	ug/ml	97
10) 3-Methylpentanoic acid	8.22	74	8296	0.24	ug/ml	85
11) 4-Methylpentanoic acid	8.34	74	4644	0.26	ug/ml	92
12) Hexanoic acid	8.62	74	7714	0.25	ug/ml	98
14) Heptanoic acid	9.61	74	7896	0.23	ug/ml	93
15) 2-Ethylhexanoic acid	9.65	87	5977	0.23	ug/ml	93
16) Cyclohexanecarboxylic ...	10.17	55	4287	0.26	ug/ml	92
17) Octanoic acid	10.52	74	8717	0.23	ug/ml	89
18) Benzoic acid	10.83	105	7031	0.25	ug/ml	95
20) Nonanoic acid	11.39	74	8291	0.21	ug/ml	96
21) Decanoic Acid	12.19	74	7096	0.18	ug/ml	98

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

Quantitation Report (Qedit)

Data Path : J:\MS14\DATA\ACIDS\2013_06\10\
 Data File : 06101306.D
 Acq On : 10 Jun 2013 1:44 pm
 Operator : EI
 Sample : 0.25/0.5ug/ml Carboxylic Acids
 Misc : S26-06041309
 ALS Vial : 2 Sample Multiplier: 1

Quant Time: Jun 11 07:47:37 2013
 Quant Method : J:\MS14\METHODS\CA061013E.M
 Quant Title : Short Chain Carboxylic Acids in Air
 QLast Update : Mon Jun 10 16:47:59 2013
 Response via : Initial Calibration



(3) Propanoic acid (T)

5.570min (-0.000) 0.34ug/ml

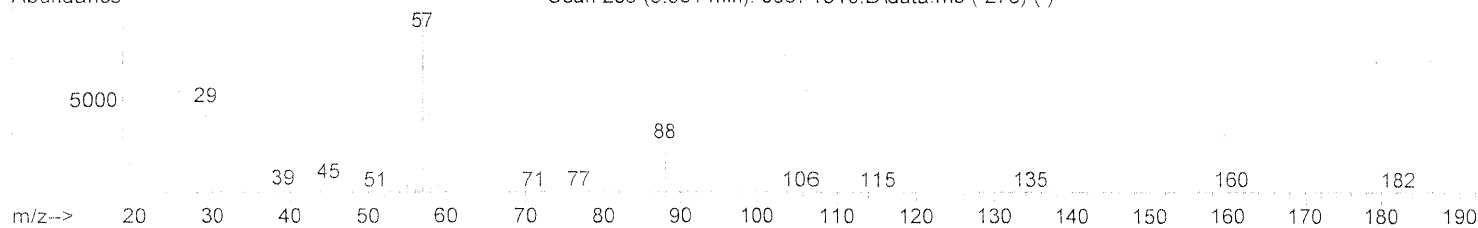
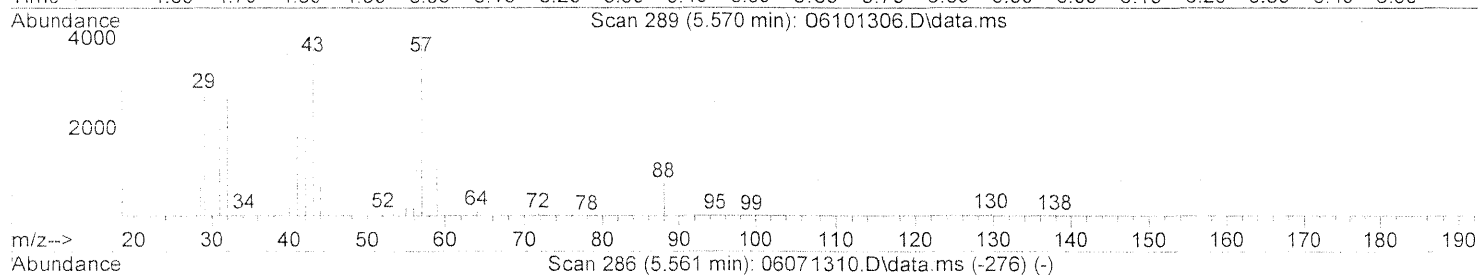
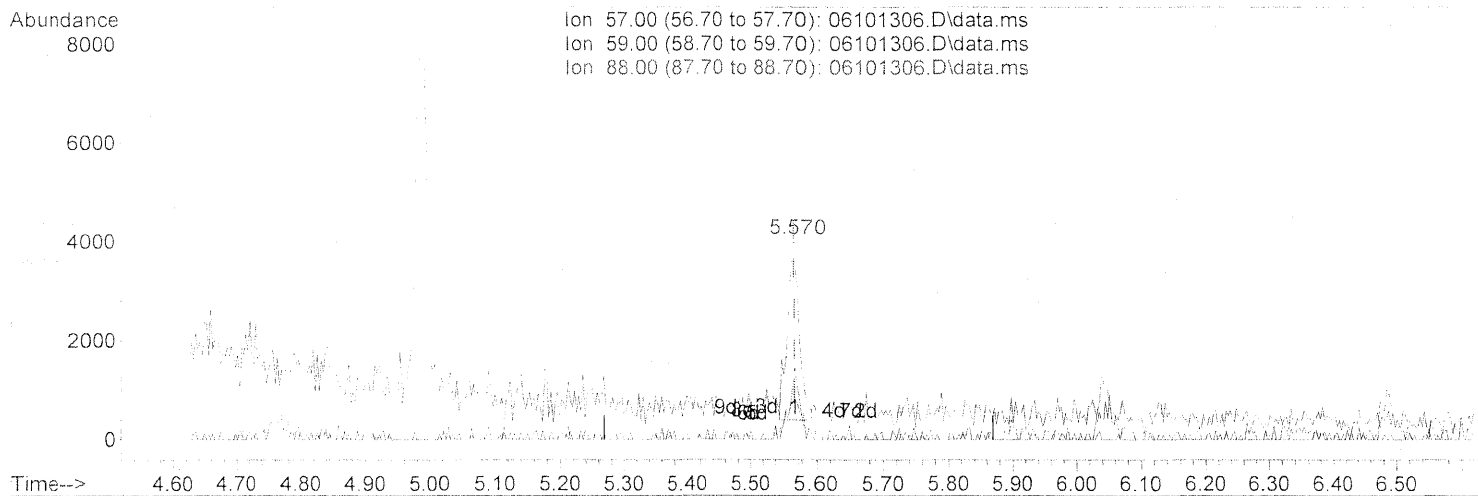
response 4638

Ion	Exp%	Act%
57.00	100	100
59.00	31.70	40.32
88.00	28.20	28.87
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : J:\MS14\DATA\ACIDS\2013_06\10\
 Data File : 06101306.D
 Acq On : 10 Jun 2013 1:44 pm
 Operator : EI
 Sample : 0.25/0.5ug/ml Carboxylic Acids
 Misc : S26-06041309
 ALS Vial : 2 Sample Multiplier: 1

Quant Time: Jun 11 07:47:37 2013
 Quant Method : J:\MS14\METHODS\CA061013E.M
 Quant Title : Short Chain Carboxylic Acids in Air
 QLast Update : Mon Jun 10 16:47:59 2013
 Response via : Initial Calibration



(3) Propanoic acid (T)

5.570min (-0.000) 0.32ug/ml m

response 4397

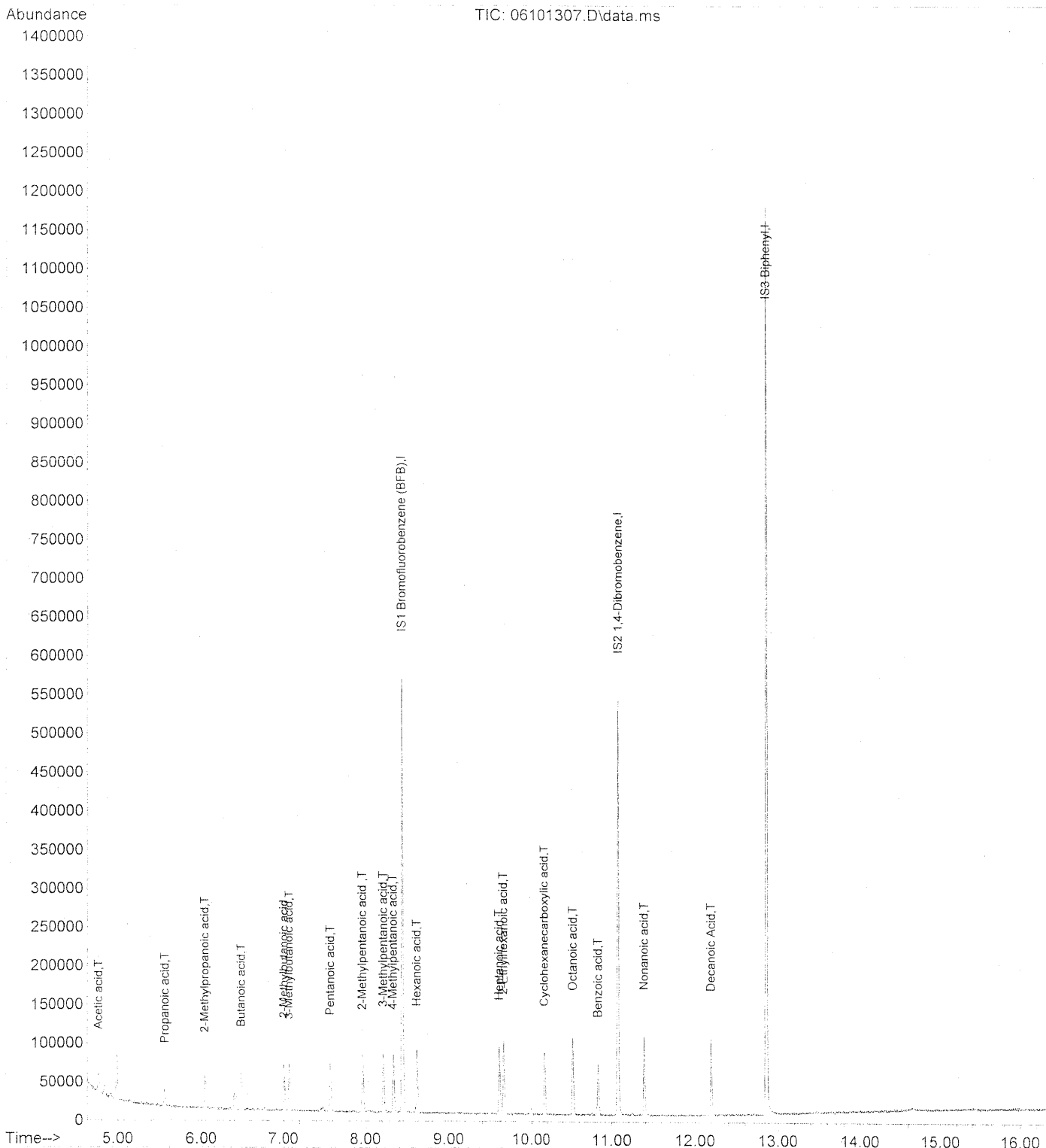
Ion	Exp%	Act%
57.00	100	100
59.00	31.70	42.53
88.00	28.20	30.45
0.00	0.00	0.00

IPC 6/11/13
 EE

in 6/12/13

Data Path : J:\MS14\DATA\ACIDS\2013_06\10\
Data File : 06101307.D
Acq On : 10 Jun 2013 2:06 pm
Operator : EI
Sample : 1/2ug/ml Carboxylic Acids
Misc : S26-06041308
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Jun 11 07:50:08 2013
Quant Method : J:\MS14\METHODS\CA061013E.M
Quant Title : Short Chain Carboxylic Acids in Air
QLast Update : Tue Jun 11 07:49:44 2013
Response via : Initial Calibration



Data Path : J:\MS14\DATA\ACIDS\2013_06\10\
 Data File : 06101307.D
 Acq On : 10 Jun 2013 2:06 pm
 Operator : EI
 Sample : 1/2ug/ml Carboxylic Acids
 Misc : S26-06041308
 ALS Vial : 3 Sample Multiplier: 1

6/11/13
 LT

Quant Time: Jun 11 07:50:08 2013
 Quant Method : J:\MS14\METHODS\CA061013E.M
 Quant Title : Short Chain Carboxylic Acids in Air
 QLast Update : Tue Jun 11 07:49:44 2013
 Response via : Initial Calibration

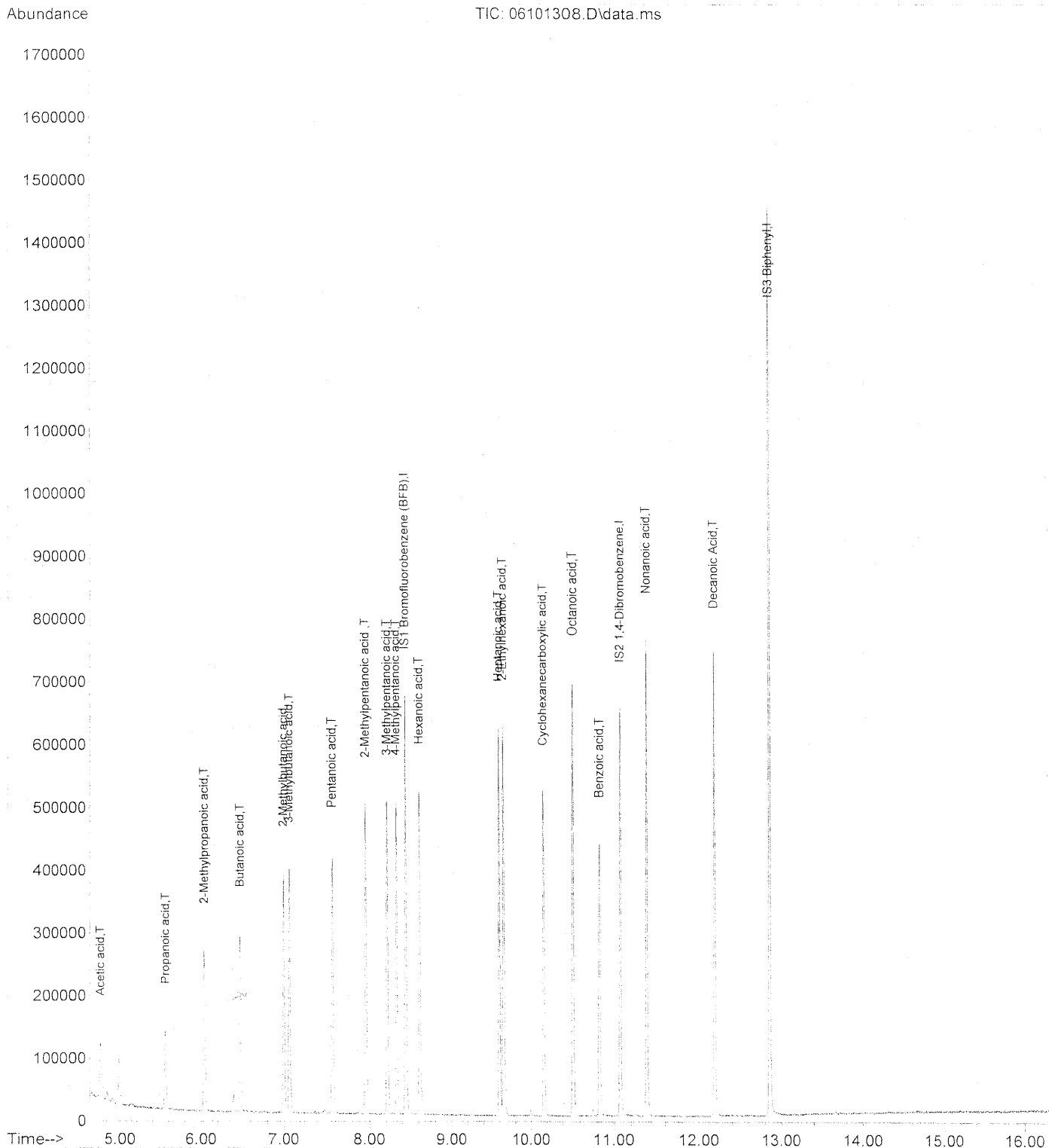
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) IS1 Bromofluorobenzene...	8.44	95	157753	10.00	ug/ml	0.00
13) IS2 1,4-Dibromobenzene	11.08	236	94097	10.00	ug/ml	0.00
19) IS3 Biphenyl	12.86	154	468436	10.00	ug/ml	0.00

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Acetic acid	4.76	74	4128	2.13	ug/ml#	91
3) Propanoic acid	5.57	57	12796	0.96	ug/ml	97
4) 2-Methylpropanoic acid	6.04	71	7353	0.95	ug/ml	97
5) Butanoic acid	6.48	74	12366	0.96	ug/ml	97
6) 2-Methylbutanoic acid	7.00	88	16543	0.95	ug/ml	98
7) 3-Methylbutanoic acid	7.07	74	21790	0.94	ug/ml	97
8) Pentanoic acid	7.57	74	22354	1.02	ug/ml	97
9) 2-Methylpentanoic acid	7.96	88	27507	0.98	ug/ml	99
10) 3-Methylpentanoic acid	8.22	74	30950	0.95	ug/ml	97
11) 4-Methylpentanoic acid	8.33	74	15309	0.90	ug/ml	91
12) Hexanoic acid	8.62	74	29074	0.99	ug/ml	98
14) Heptanoic acid	9.60	74	31228	0.92	ug/ml	98
15) 2-Ethylhexanoic acid	9.66	87	25247	0.98	ug/ml	100
16) Cyclohexanecarboxylic ...	10.16	55	15762	0.94	ug/ml	98
17) Octanoic acid	10.52	74	34289	0.89	ug/ml	98
18) Benzoic acid	10.83	105	25973	0.92	ug/ml	99
20) Nonanoic acid	11.39	74	35389	0.91	ug/ml	97
21) Decanoic Acid	12.19	74	31610	0.85	ug/ml	97

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

Data Path : J:\MS14\DATA\ACIDS\2013_06\10\
Data File : 06101308.D
Acq On : 10 Jun 2013 2:28 pm
Operator : EI
Sample : 5/10ug/ml Carboxylic Acids
Misc : S26-06041307
ALS Vial : 4 Sample Multiplier: 1

Quant Time: Jun 11 07:51:46 2013
Quant Method : J:\MS14\METHODS\CA061013E.M
Quant Title : Short Chain Carboxylic Acids in Air
QLast Update : Tue Jun 11 07:51:17 2013
Response via : Initial Calibration



Data Path : J:\MS14\DATA\ACIDS\2013_06\10\
 Data File : 06101308.D
 Acq On : 10 Jun 2013 2:28 pm
 Operator : EI
 Sample : 5/10ug/ml Carboxylic Acids
 Misc : S26-06041307
 ALS Vial : 4 Sample Multiplier: 1

6/11/13

80

Quant Time: Jun 11 07:51:46 2013
 Quant Method : J:\MS14\METHODS\CA061013E.M
 Quant Title : Short Chain Carboxylic Acids in Air
 QLast Update : Tue Jun 11 07:51:17 2013
 Response via : Initial Calibration

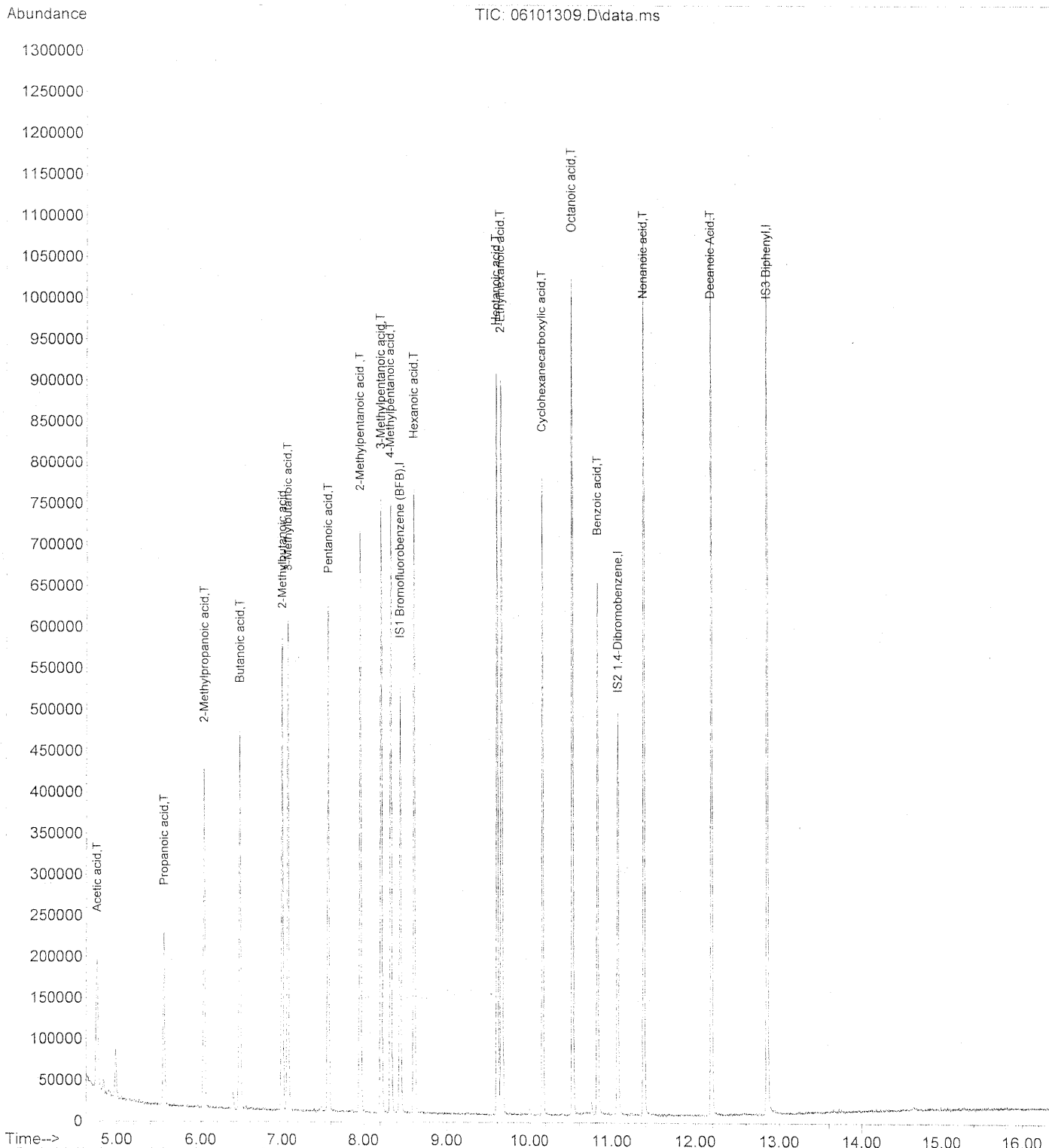
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) IS1 Bromofluorobenzene...	8.44	95	191679	10.00	ug/ml	0.00
13) IS2 1,4-Dibromobenzene	11.08	236	114045	10.00	ug/ml	0.00
19) IS3 Biphenyl	12.86	154	575439	10.00	ug/ml	0.00

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Acetic acid	4.76	74	20945	8.91	ug/ml	99
3) Propanoic acid	5.56	57	73628	4.53	ug/ml	98
4) 2-Methylpropanoic acid	6.04	71	45989	4.89	ug/ml	99
5) Butanoic acid	6.48	74	77273	4.92	ug/ml	99
6) 2-Methylbutanoic acid	6.99	88	106215	5.02	ug/ml	100
7) 3-Methylbutanoic acid	7.07	74	144495	5.12	ug/ml	98
8) Pentanoic acid	7.57	74	139188	5.21	ug/ml	98
9) 2-Methylpentanoic acid	7.96	88	176851	5.21	ug/ml	99
10) 3-Methylpentanoic acid	8.21	74	211201	5.34	ug/ml	99
11) 4-Methylpentanoic acid	8.33	74	107432	5.22	ug/ml	99
12) Hexanoic acid	8.61	74	185691	5.19	ug/ml	99
14) Heptanoic acid	9.60	74	218845	5.31	ug/ml	98
15) 2-Ethylhexanoic acid	9.65	87	164048	5.25	ug/ml	99
16) Cyclohexanecarboxylic ...	10.16	55	104343	5.16	ug/ml	97
17) Octanoic acid	10.52	74	242470	5.22	ug/ml	99
18) Benzoic acid	10.83	105	178282	5.19	ug/ml	98
20) Nonanoic acid	11.38	74	253057	5.32	ug/ml	99
21) Decanoic Acid	12.19	74	248935	5.44	ug/ml	100

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

Data Path : J:\MS14\DATA\ACIDS\2013_06\10\
Data File : 06101309.D
Acq On : 10 Jun 2013 2:50 pm
Operator : EI
Sample : 10/20ug/ml Carboxylic Acids
Misc : S26-06041306
ALS Vial : 5 Sample Multiplier: 1

Quant Time: Jun 11 08:46:22 2013
Quant Method : J:\MS14\METHODS\CA061013E.M
Quant Title : Short Chain Carboxylic Acids in Air
QLast Update : Tue Jun 11 08:46:01 2013
Response via : Initial Calibration



Data Path : J:\MS14\DATA\ACIDS\2013_06\10\
 Data File : 06101309.D
 Acq On : 10 Jun 2013 2:50 pm
 Operator : EI
 Sample : 10/20ug/ml Carboxylic Acids
 Misc : S26-06041306
 ALS Vial : 5 Sample Multiplier: 1

6/11/13

EC

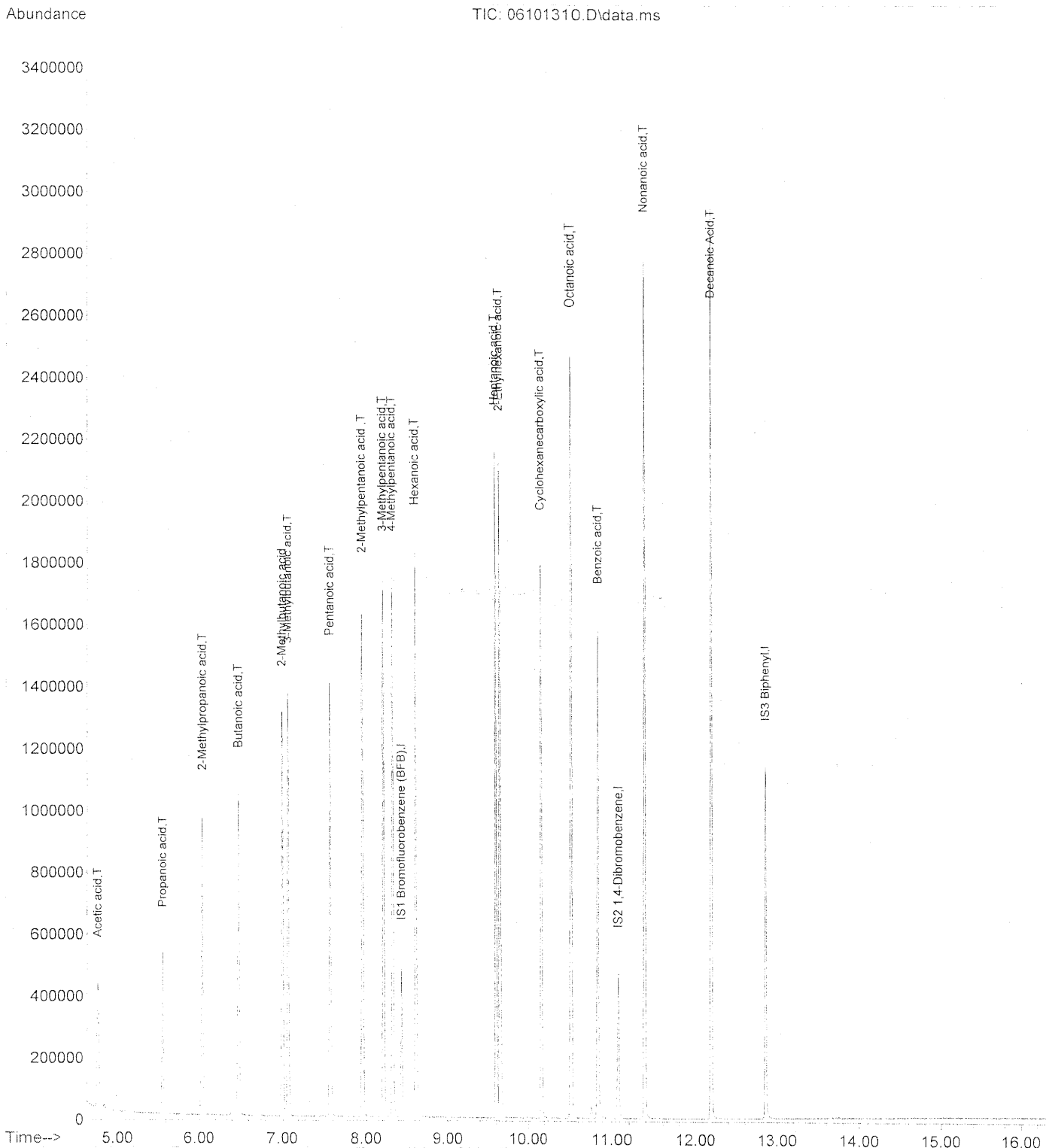
Quant Time: Jun 11 08:46:22 2013
 Quant Method : J:\MS14\METHODS\CA061013E.M
 Quant Title : Short Chain Carboxylic Acids in Air
 QLast Update : Tue Jun 11 08:46:01 2013
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev (Min)
1) IS1 Bromofluorobenzene...	8.44	95	145149	10.00	ug/ml	0.00
13) IS2 1,4-Dibromobenzene	11.08	236	84525	10.00	ug/ml	0.00
19) IS3 Biphenyl	12.86	154	419768	10.00	ug/ml	0.00
Target Compounds						Qvalue
2) Acetic acid	4.76	74	36701	20.62	ug/ml	100
3) Propanoic acid	5.56	57	122903	9.99	ug/ml	100
4) 2-Methylpropanoic acid	6.04	71	74773	10.51	ug/ml	100
5) Butanoic acid	6.48	74	122593	10.31	ug/ml	100
6) 2-Methylbutanoic acid	7.00	88	166338	10.38	ug/ml	100
7) 3-Methylbutanoic acid	7.07	74	220099	10.30	ug/ml	100
8) Pentanoic acid	7.57	74	209666	10.37	ug/ml	100
9) 2-Methylpentanoic acid	7.96	88	266603	10.36	ug/ml	100
10) 3-Methylpentanoic acid	8.21	74	309455	10.33	ug/ml	100
11) 4-Methylpentanoic acid	8.33	74	160895	10.32	ug/ml	100
12) Hexanoic acid	8.62	74	275106	10.15	ug/ml	100
14) Heptanoic acid	9.60	74	316938	10.38	ug/ml	100
15) 2-Ethylhexanoic acid	9.65	87	234006	10.10	ug/ml	100
16) Cyclohexanecarboxylic ...	10.16	55	151784	10.12	ug/ml	100
17) Octanoic acid	10.52	74	356024	10.34	ug/ml	100
18) Benzoic acid	10.83	105	257969	10.13	ug/ml	100
20) Nonanoic acid	11.39	74	377561	10.88	ug/ml	100
21) Decanoic Acid	12.19	74	370481	11.11	ug/ml	100

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

Data Path : J:\MS14\DATA\ACIDS\2013_06\10\
Data File : 06101310.D
Acq On : 10 Jun 2013 3:12 pm
Operator : EI
Sample : 25/50ug/ml Carboxylic Acids
Misc : S26-06041305
ALS Vial : 6 Sample Multiplier: 1

Quant Time: Jun 11 08:53:13 2013
Quant Method : J:\MS14\METHODS\CA061013E.M
Quant Title : Short Chain Carboxylic Acids in Air
QLast Update : Tue Jun 11 08:52:54 2013
Response via : Initial Calibration



Data Path : J:\MS14\DATA\ACIDS\2013_06\10\
 Data File : 06101310.D
 Acq On : 10 Jun 2013 3:12 pm
 Operator : EI
 Sample : 25/50ug/ml Carboxylic Acids
 Misc : S26-06041305
 ALS Vial : 6 Sample Multiplier: 1

Quant Time: Jun 11 08:53:13 2013
 Quant Method : J:\MS14\METHODS\CA061013E.M
 Quant Title : Short Chain Carboxylic Acids in Air
 QLast Update : Tue Jun 11 08:52:54 2013
 Response via : Initial Calibration

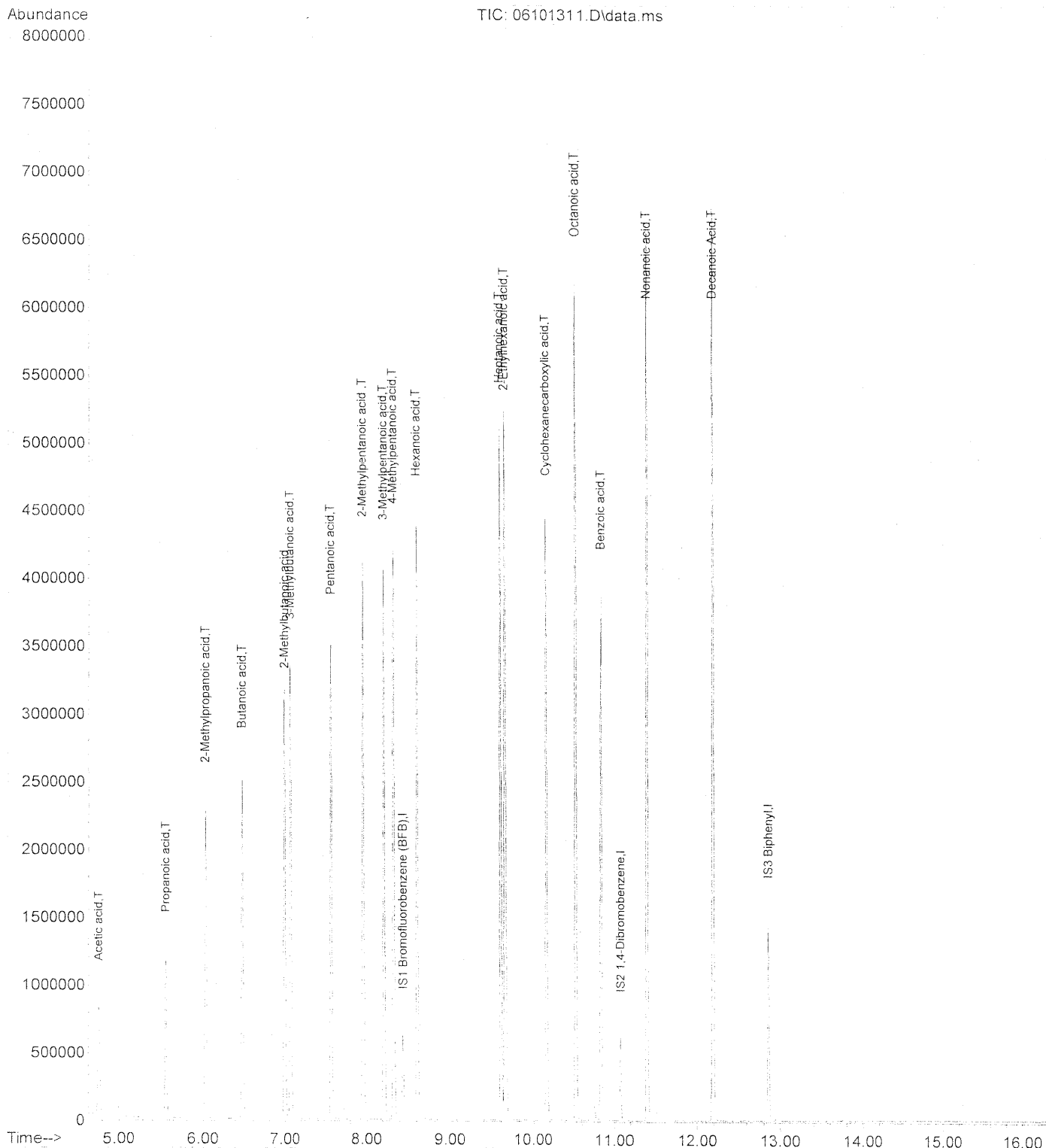
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) IS1 Bromofluorobenzene...	8.44	95	138047	10.00	ug/ml	0.00
13) IS2 1,4-Dibromobenzene	11.08	236	81332	10.00	ug/ml	0.00
19) IS3 Biphenyl	12.86	154	439207	10.00	ug/ml	0.00

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Acetic acid	4.76	74	93499	55.24	ug/ml	93
3) Propanoic acid	5.55	57	292985	25.04	ug/ml	98
4) 2-Methylpropanoic acid	6.03	71	172582	25.50	ug/ml	98
5) Butanoic acid	6.47	74	289023	25.56	ug/ml	98
6) 2-Methylbutanoic acid	6.99	88	381885	25.06	ug/ml	99
7) 3-Methylbutanoic acid	7.07	74	516741	25.42	ug/ml	99
8) Pentanoic acid	7.57	74	488585	25.41	ug/ml	99
9) 2-Methylpentanoic acid	7.96	88	624826	25.54	ug/ml	99
10) 3-Methylpentanoic acid	8.21	74	720974	25.31	ug/ml	100
11) 4-Methylpentanoic acid	8.33	74	373860	25.22	ug/ml	99
12) Hexanoic acid	8.61	74	645174	25.04	ug/ml	99
14) Heptanoic acid	9.60	74	765327	26.04	ug/ml	100
15) 2-Ethylhexanoic acid	9.65	87	573798	25.74	ug/ml	98
16) Cyclohexanecarboxylic ...	10.16	55	362241	25.10	ug/ml	99
17) Octanoic acid	10.52	74	882129	26.61	ug/ml	99
18) Benzoic acid	10.83	105	635867	25.96	ug/ml	98
20) Nonanoic acid	11.38	74	968919	26.68	ug/ml	99
21) Decanoic Acid	12.19	74	988019	28.31	ug/ml	99

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

Data Path : J:\MS14\DATA\ACIDS\2013_06\10\
Data File : 06101311.D
Acq On : 10 Jun 2013 3:52 pm
Operator : EI
Sample : 50/100ug/ml Carboxylic Acids
Misc : S26-06041304
ALS Vial : 7 Sample Multiplier: 1

Quant Time: Jun 11 08:53:35 2013
Quant Method : J:\MS14\METHODS\CA061013E.M
Quant Title : Short Chain Carboxylic Acids in Air
QLast Update : Tue Jun 11 08:52:54 2013
Response via : Initial Calibration



Data Path : J:\MS14\DATA\ACIDS\2013_06\10\
 Data File : 06101311.D
 Acq On : 10 Jun 2013 3:52 pm
 Operator : EI
 Sample : 50/100ug/ml Carboxylic Acids
 Misc : S26-06041304
 ALS Vial : 7 Sample Multiplier: 1

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Quant Time: Jun 11 08:53:35 2013
 Quant Method : J:\MS14\METHODS\CA061013E.M
 Quant Title : Short Chain Carboxylic Acids in Air
 QLast Update : Tue Jun 11 08:52:54 2013
 Response via : Initial Calibration

ET

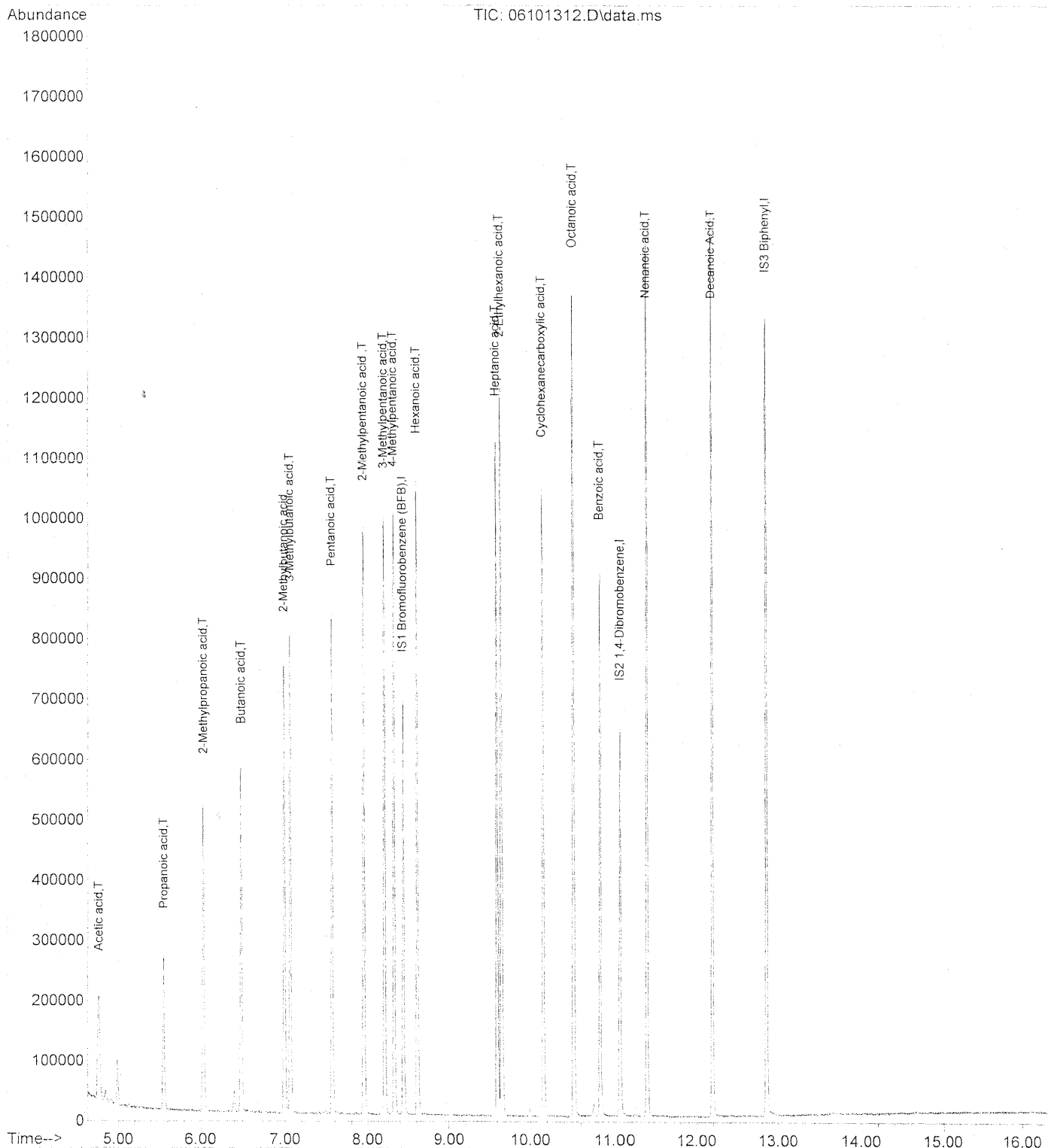
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) IS1 Bromofluorobenzene...	8.44	95	183330	10.00	ug/ml	0.00
13) IS2 1,4-Dibromobenzene	11.08	236	105510	10.00	ug/ml	0.00
19) IS3 Biphenyl	12.86	154	560060	10.00	ug/ml	0.00

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Acetic acid	4.75	74	203598	90.58	ug/ml	94
3) Propanoic acid	5.55	57	678806	43.69	ug/ml	97
4) 2-Methylpropanoic acid	6.03	71	422628	47.03	ug/ml	98
5) Butanoic acid	6.47	74	708494	47.19	ug/ml	99
6) 2-Methylbutanoic acid	6.99	88	956273	47.25	ug/ml	99
7) 3-Methylbutanoic acid	7.06	74	1282056	47.49	ug/ml	99
8) Pentanoic acid	7.56	74	1234171	48.33	ug/ml	99
9) 2-Methylpentanoic acid	7.95	88	1571443	48.36	ug/ml	99
10) 3-Methylpentanoic acid	8.21	74	1811147	47.88	ug/ml	99
11) 4-Methylpentanoic acid	8.32	74	944080	47.96	ug/ml	97
12) Hexanoic acid	8.61	74	1630158	47.64	ug/ml	100
14) Heptanoic acid	9.60	74	1932642	50.69	ug/ml	98
15) 2-Ethylhexanoic acid	9.65	87	1457342	50.39	ug/ml	99
16) Cyclohexanecarboxylic ...	10.16	55	920722	49.19	ug/ml	97
17) Octanoic acid	10.52	74	2273241	52.87	ug/ml	99
18) Benzoic acid	10.83	105	1594751	50.19	ug/ml	98
20) Nonanoic acid	11.39	74	2404713	51.92	ug/ml	99
21) Decanoic Acid	12.19	74	2403295	54.00	ug/ml	98

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

Data Path : J:\MS14\DATA\ACIDS\2013_06\10\
Data File : 06101312.D
Acq On : 10 Jun 2013 4:14 pm
Operator : EI
Sample : 10/20ug/ml ICV Carboxylic Acids
Misc : S26-06041310
ALS Vial : 8 Sample Multiplier: 1

Quant Time: Jun 11 08:54:06 2013
Quant Method : J:\MS14\METHODS\CA061013E.M
Quant Title : Short Chain Carboxylic Acids in Air
QLast Update : Tue Jun 11 08:53:59 2013
Response via : Initial Calibration



Data Path : J:\MS14\DATA\ACIDS\2013_06\10\
 Data File : 06101312.D
 Acq On : 10 Jun 2013 4:14 pm
 Operator : EI
 Sample : 10/20ug/ml ICV Carboxylic Acids
 Misc : S26-06041310
 ALS Vial : 8 Sample Multiplier: 1

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Quant Time: Jun 11 08:54:06 2013
 Quant Method : J:\MS14\METHODS\CA061013E.M
 Quant Title : Short Chain Carboxylic Acids in Air
 QLast Update : Tue Jun 11 08:53:59 2013
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) IS1 Bromofluorobenzene...	8.44	95	198385	10.00	ug/ml	0.00
13) IS2 1,4-Dibromobenzene	11.08	236	111217	10.00	ug/ml	0.00
19) IS3 Biphenyl	12.86	154	534718	10.00	ug/ml	0.00

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Acetic acid	4.76	74	44221	18.18	ug/ml#	93
3) Propanoic acid	5.56	57	146945	8.74	ug/ml	97
4) 2-Methylpropanoic acid	6.03	71	93457	9.61	ug/ml	99
5) Butanoic acid	6.48	74	155182	9.55	ug/ml	99
6) 2-Methylbutanoic acid	6.99	88	216868	9.90	ug/ml	99
7) 3-Methylbutanoic acid	7.07	74	293429	10.04	ug/ml	99
8) Pentanoic acid	7.56	74	282833	10.24	ug/ml	100
9) 2-Methylpentanoic acid	7.96	88	357565	10.17	ug/ml	99
10) 3-Methylpentanoic acid	8.21	74	421436	10.30	ug/ml	100
11) 4-Methylpentanoic acid	8.33	74	217883	10.23	ug/ml	99
12) Hexanoic acid	8.61	74	376319	10.16	ug/ml	99
14) Heptanoic acid	9.60	74	398327	9.91	ug/ml	99
15) 2-Ethylhexanoic acid	9.65	87	325674	10.68	ug/ml	99
16) Cyclohexanecarboxylic ...	10.16	55	206959	10.49	ug/ml	98
17) Octanoic acid	10.52	74	490345	10.82	ug/ml	100
18) Benzoic acid	10.83	105	368328	11.00	ug/ml	98
20) Nonanoic acid	11.38	74	504750	11.41	ug/ml	99
21) Decanoic Acid	12.19	74	500531	11.78	ug/ml	99

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

Evaluate Continuing Calibration Report

Data Path : J:\MS14\DATA\ACIDS\2013_06\10\
 Data File : 06101312.D
 Acq On : 10 Jun 2013 4:14 pm
 Operator : EI
 Sample : 10/20ug/ml ICV Carboxylic Acids
 Misc : S26-06041310
 ALS Vial : 8 Sample Multiplier: 1

Quant Time: Jun 11 08:54:06 2013
 Quant Method : J:\MS14\METHODS\CA061013E.M
 Quant Title : Short Chain Carboxylic Acids in Air
 QLast Update : Tue Jun 11 08:53:59 2013
 Response via : Initial Calibration

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	137	0.00
2 T	Acetic acid	0.123	0.111	9.8	120	0.00
3 T	Propanoic acid	0.847	0.741	12.5	120	0.00
4 T	2-Methylpropanoic acid	0.490	0.471	3.9	125	0.00
5 T	Butanoic acid	0.819	0.782	4.5	127	0.00
6	2-Methylbutanoic acid	1.104	1.093	1.0	130	0.00
7 T	3-Methylbutanoic acid	1.473	1.479	-0.4	133	0.00
8 T	Pentanoic acid	1.393	1.426	-2.4	135	0.00
9 T	2-Methylpentanoic acid	1.772	1.802	-1.7	134	0.00
10 T	3-Methylpentanoic acid	2.063	2.124	-3.0	136	0.00
11 T	4-Methylpentanoic acid	1.074	1.098	-2.2	135	0.00
12 T	Hexanoic acid	1.867	1.897	-1.6	137	0.00
13 I	IS2 1,4-Dibromobenzene	1.000	1.000	0.0	132	0.00
14 T	Heptanoic acid	3.614	3.582	0.9	126	0.00
15 T	2-Ethylhexanoic acid	2.741	2.928	-6.8	139	0.00
16 T	Cyclohexanecarboxylic acid	1.774	1.861	-4.9	136	0.00
17 T	Octanoic acid	4.075	4.409	-8.2	138	0.00
18 T	Benzoic acid	3.012	3.312	-10.0	143	0.00
19 I	IS3 Biphenyl	1.000	1.000	0.0	127	0.00
20 T	Nonanoic acid	0.827	0.944	-14.1	134	0.00
21 T	Decanoic Acid	0.795	0.936	-17.7	135	0.00

(#) = Out of Range

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

Evaluate Continuing Calibration Report

Data Path : J:\MS14\DATA\ACIDS\2013_06\14\
 Data File : 03141304.D
 Acq On : 14 Jun 2013 9:53 am
 Operator : EI
 Sample : 25/50ug/ml Carboxylic Acids
 Misc : S26-06041305
 ALS Vial : 2 Sample Multiplier: 1

Quant Time: Jun 14 10:10:57 2013
 Quant Method : J:\MS14\METHODS\CA061013E.M
 Quant Title : Short Chain Carboxylic Acids in Air
 QLast Update : Tue Jun 11 08:53:59 2013
 Response via : Initial Calibration

6/17/13
 EE

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

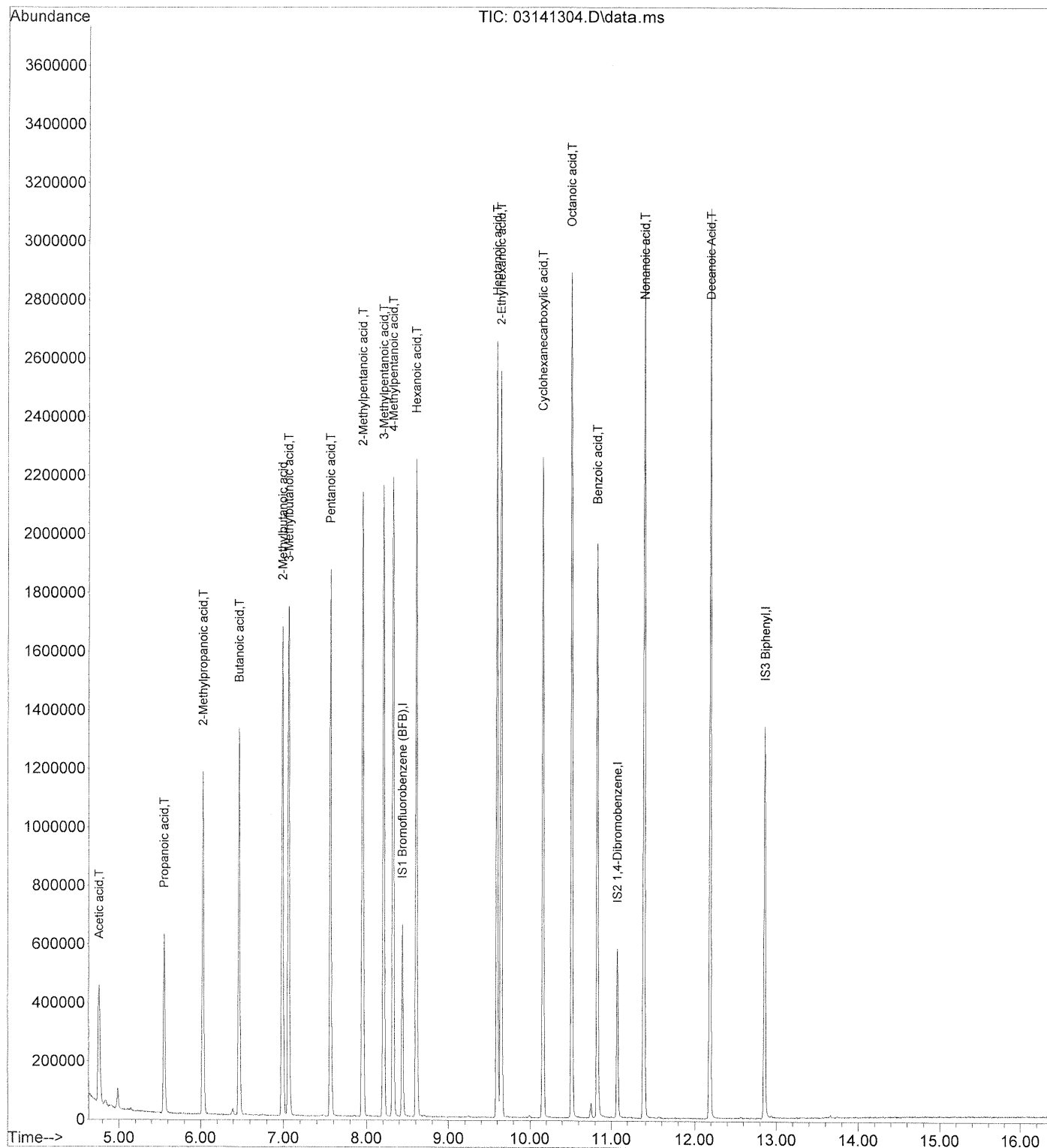
	Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
1 I	IS1 Bromofluorobenzene (BFB)	1.000	1.000	0.0	137	0.00
2 T	Acetic acid	0.123	0.116	5.7	117	0.00
3 T	Propanoic acid	0.847	0.716	15.5	116	0.00
4 T	2-Methylpropanoic acid	0.490	0.478	2.4	131	0.00
5 T	Butanoic acid	0.819	0.797	2.7	131	0.00
6	2-Methylbutanoic acid	1.104	1.105	-0.1	137	0.00
7 T	3-Methylbutanoic acid	1.473	1.471	0.1	135	0.00
8 T	Pentanoic acid	1.393	1.402	-0.6	136	0.00
9 T	2-Methylpentanoic acid	1.772	1.828	-3.2	139	0.00
10 T	3-Methylpentanoic acid	2.063	2.037	1.3	134	0.00
11 T	4-Methylpentanoic acid	1.074	1.058	1.5	134	0.00
12 T	Hexanoic acid	1.867	1.808	3.2	133	0.00
13 I	IS2 1,4-Dibromobenzene	1.000	1.000	0.0	147	0.00
14 T	Heptanoic acid	3.614	3.325	8.0	130	0.00
15 T	2-Ethylhexanoic acid	2.741	2.411	12.0	126	0.00
16 T	Cyclohexanecarboxylic acid	1.774	1.385	21.9	115	0.00
17 T	Octanoic acid	4.075	3.642	10.6	124	0.00
18 T	Benzoic acid	3.012	2.898	3.8	137	0.00
19 I	IS3 Biphenyl	1.000	1.000	0.0	130	0.00
20 T	Nonanoic acid	0.827	0.788	4.7	116	0.00
21 T	Decanoic Acid	0.795	0.759	4.5	109	0.00

(#) = Out of Range

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

Data Path : J:\MS14\DATA\ACIDS\2013_06\14\
Data File : 03141304.D
Acq On : 14 Jun 2013 9:53 am
Operator : EI
Sample : 25/50ug/ml Carboxylic Acids
Misc : S26-06041305
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Jun 14 10:10:57 2013
Quant Method : J:\MS14\METHODS\CA061013E.M
Quant Title : Short Chain Carboxylic Acids in Air
QLast Update : Tue Jun 11 08:53:59 2013
Response via : Initial Calibration



Data Path : J:\MS14\DATA\ACIDS\2013_06\14\
 Data File : 03141304.D
 Acq On : 14 Jun 2013 9:53 am
 Operator : EI
 Sample : 25/50ug/ml Carboxylic Acids
 Misc : S26-06041305
 ALS Vial : 2 Sample Multiplier: 1

6/14/13

ET

Quant Time: Jun 14 10:10:57 2013
 Quant Method : J:\MS14\METHODS\CA061013E.M
 Quant Title : Short Chain Carboxylic Acids in Air
 QLast Update : Tue Jun 11 08:53:59 2013
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev (Min)
1) IS1 Bromofluorobenzene...	8.44	95	189496	10.00	ug/ml	0.00
13) IS2 1,4-Dibromobenzene	11.07	236	119928	10.00	ug/ml	0.00
19) IS3 Biphenyl	12.85	154	569095	10.00	ug/ml	0.00

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Acetic acid	4.76	74	109622	47.18	ug/ml#	72
3) Propanoic acid	5.55	57	339121	21.12	ug/ml	94
4) 2-Methylpropanoic acid	6.03	71	226399	24.37	ug/ml	95
5) Butanoic acid	6.47	74	377626	24.33	ug/ml	99
6) 2-Methylbutanoic acid	6.99	88	523406	25.02	ug/ml	92
7) 3-Methylbutanoic acid	7.06	74	696902	24.97	ug/ml	96
8) Pentanoic acid	7.56	74	663964	25.16	ug/ml	96
9) 2-Methylpentanoic acid	7.95	88	865873	25.78	ug/ml	98
10) 3-Methylpentanoic acid	8.21	74	965022	24.68	ug/ml	96
11) 4-Methylpentanoic acid	8.32	74	501297	24.64	ug/ml	95
12) Hexanoic acid	8.61	74	856381	24.21	ug/ml	97
14) Heptanoic acid	9.60	74	996907	23.00	ug/ml	94
15) 2-Ethylhexanoic acid	9.65	87	722819	21.99	ug/ml	93
16) Cyclohexanecarboxylic ...	10.16	55	415190	19.51	ug/ml	84
17) Octanoic acid	10.52	74	1091970	22.34	ug/ml	97
18) Benzoic acid	10.83	105	868903	24.06	ug/ml	90
20) Nonanoic acid	11.38	74	1121018	23.82	ug/ml	96
21) Decanoic Acid	12.19	74	1079845	23.88	ug/ml	96

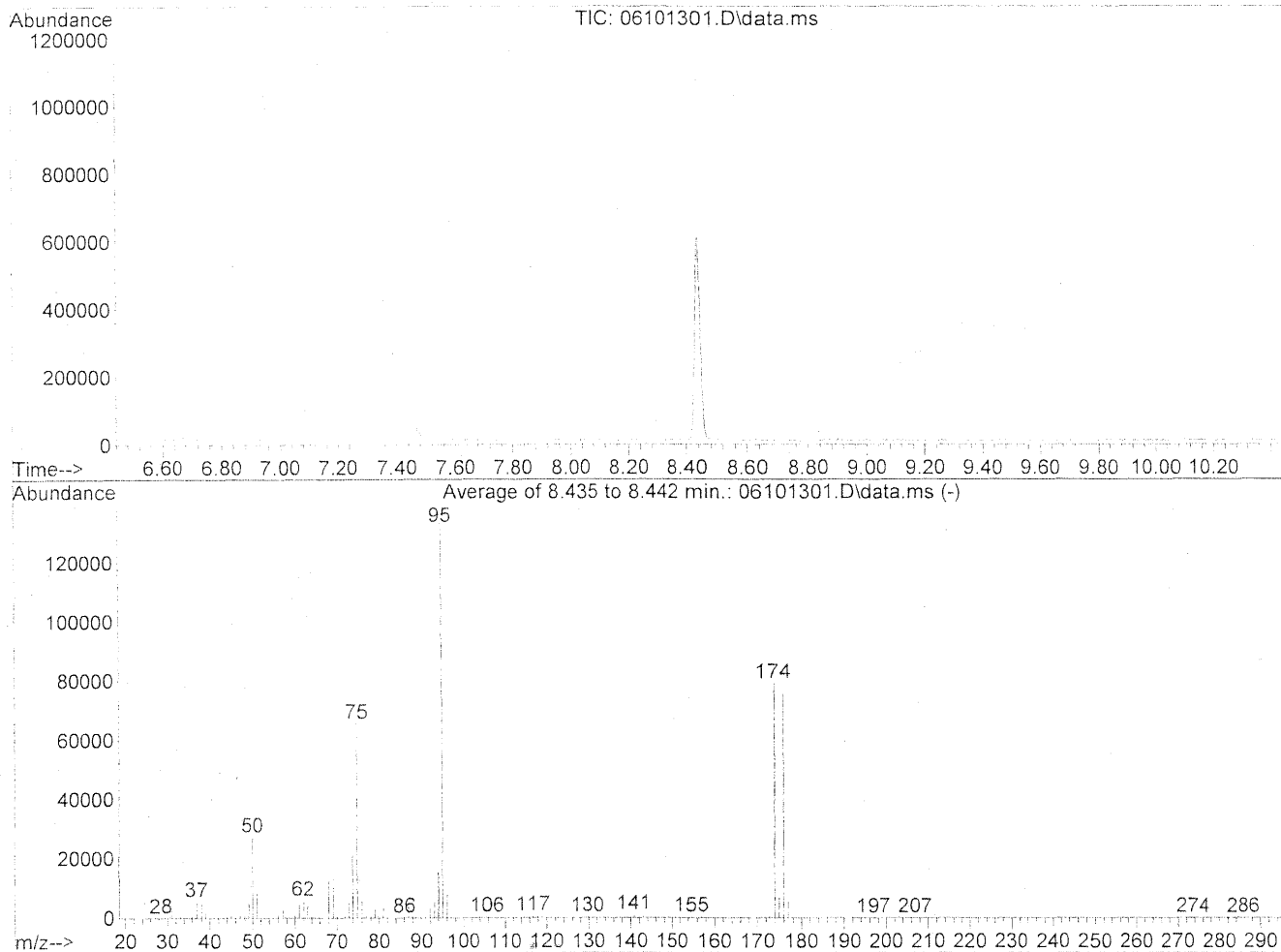
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : J:\MS14\DATA\ACIDS\2013_06\10\
 Data File : 06101301.D
 Acq On : 10 Jun 2013 10:12 am
 Operator : EI
 Sample : Pentane Blank w/ IS
 Misc : ~~826-06041310~~
 ALS Vial : 1 Sample Multiplier: 1

6/10/13
 EI

Integration File: events.e

Method : J:\MS14\METHODS\CA060713E.M
 Title : Short Chain Carboxylic Acids in Air
 Last Update : Mon Jun 10 09:51:35 2013



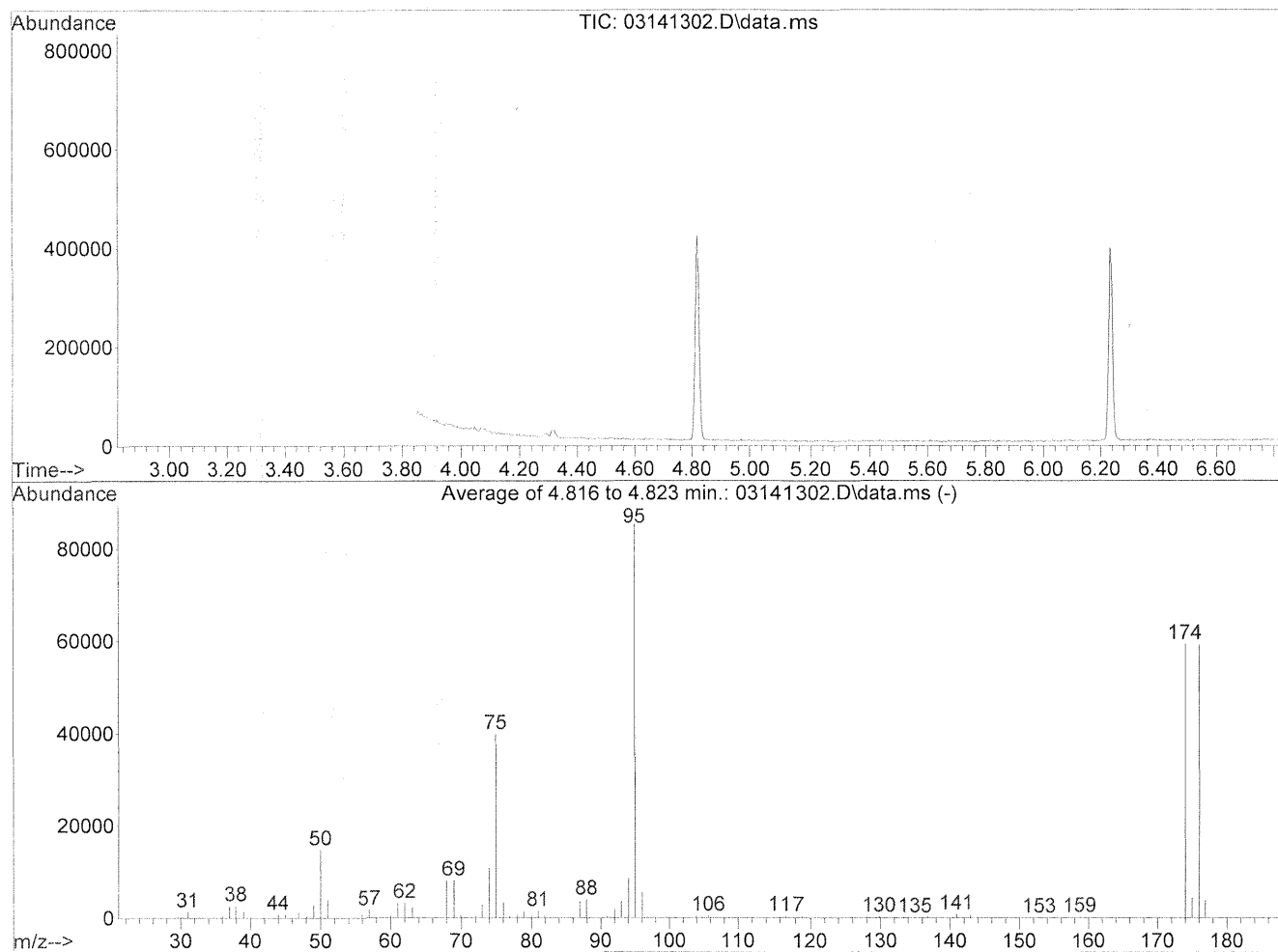
AutoFind: Scans 1163, 1164, 1165; Background Corrected with Scan 1124

Target	Rel. to	Lower	Upper	Rel.	Raw	Result
Mass	Mass	Limit%	Limit%	Abn%	Abn	Pass/Fail
50	95	15	40	20.5	27331	PASS
75	95	30	60	49.2	65571	PASS
95	95	100	100	100.0	133309	PASS
96	95	5	9	6.0	7942	PASS
173	174	0.00	2	0.6	444	PASS
174	95	50	100	59.3	79104	PASS
175	174	5	9	8.8	6967	PASS
176	174	95	101	95.3	75397	PASS
177	176	5	9	7.2	5450	PASS

Data Path : J:\MS14\DATA\ACIDS\2013_06\14\
Data File : 03141302.D
Acq On : 14 Jun 2013 9:15 am
Operator : EI
Sample : bfb tune check
Misc :
ALS Vial : 1 Sample Multiplier: 1

Integration File: autoint1.e

Method : J:\GC06\METHODS\OP061313E.M
Title : Pesticides Initial Calibration
Last Update : Wed Jun 12 16:21:08 2013



AutoFind: Scans 297, 298, 299; Background Corrected with Scan 288

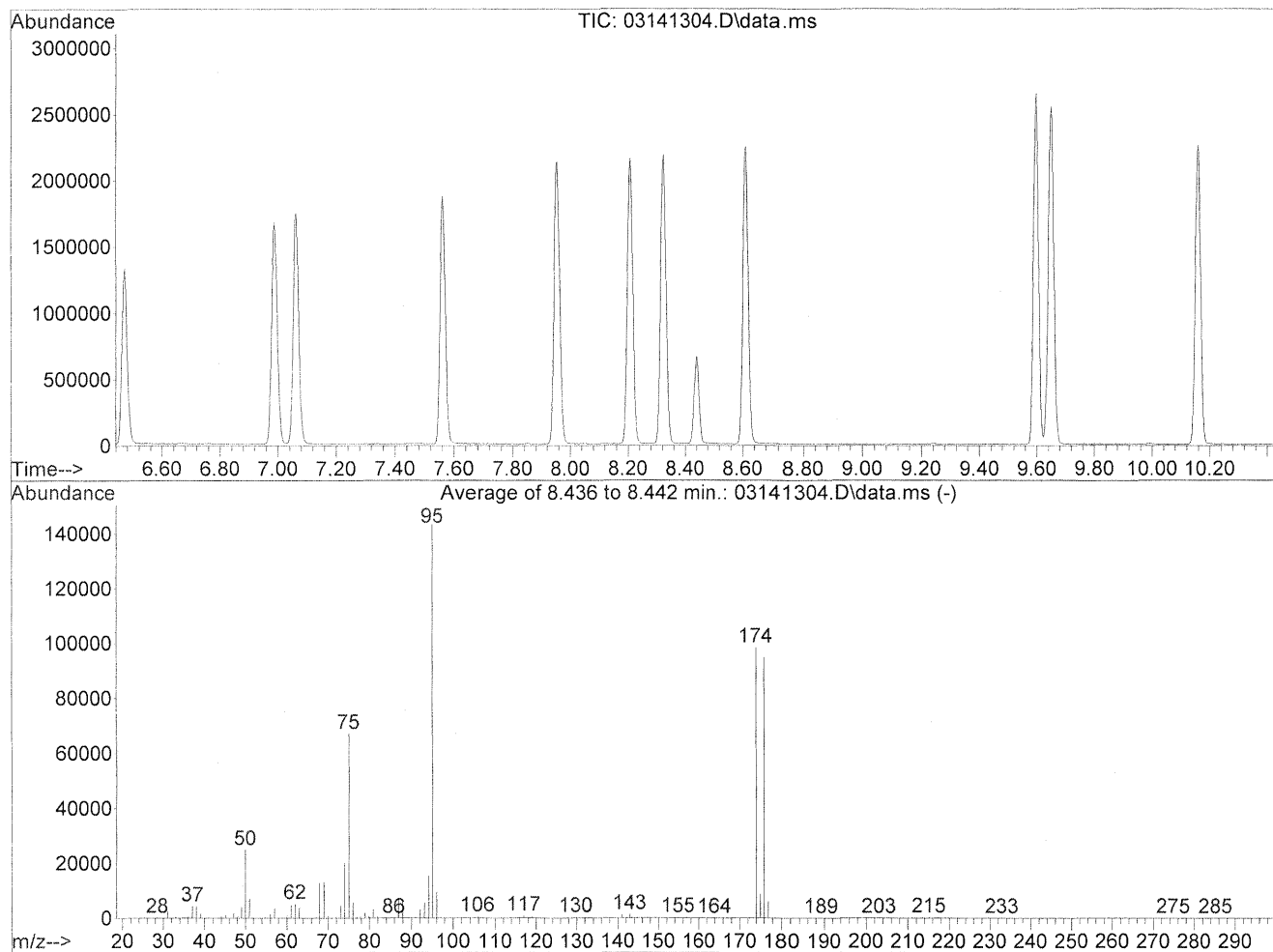
Target Mass	Rel. to Mass	Lower Limit%	Upper Limit%	Rel. Abn%	Raw Abn	Result Pass/Fail
50	95	15	40	17.3	14763	PASS
75	95	30	60	46.7	39813	PASS
95	95	100	100	100.0	85208	PASS
96	95	5	9	6.3	5381	PASS
173	174	0.00	2	0.0	0	PASS
174	95	50	100	69.6	59291	PASS
175	174	5	9	7.4	4415	PASS
176	174	95	101	99.8	59149	PASS
177	176	5	9	6.5	3872	PASS

Data Path : J:\MS14\DATA\ACIDS\2013_06\14\
 Data File : 03141304.D
 Acq On : 14 Jun 2013 9:53 am
 Operator : EI
 Sample : 25/50ug/ml Carboxylic Acids
 Misc : S26-06041305
 ALS Vial : 2 Sample Multiplier: 1

6/14/13
 ET

Integration File: rteint.p

Method : J:\MS14\METHODS\CA061013E.M
 Title : Short Chain Carboxylic Acids in Air
 Last Update : Tue Jun 11 08:53:59 2013



AutoFind: Scans 1163, 1164, 1165; Background Corrected with Scan 1150

Target Mass	Rel. to Mass	Lower Limit%	Upper Limit%	Rel. Abn%	Raw Abn	Result Pass/Fail
50	95	15	40	17.4	24907	PASS
75	95	30	60	46.8	67208	PASS
95	95	100	100	100.0	143467	PASS
96	95	5	9	6.6	9466	PASS
173	174	0.00	2	0.0	0	PASS
174	95	50	100	68.6	98400	PASS
175	174	5	9	8.8	8705	PASS
176	174	95	101	96.4	94813	PASS
177	176	5	9	6.2	5922	PASS

Injection Log

Directory: J:\MS14\DATA\ACIDS\2013_06\10

Line	Vial	FileName	Multiplier	SampleName	Misc Info	Injected
1	1	06101301.d	1.	Pentane Blank w/ IS		10 Jun 2013 10:12
2	2	06101302.d	1.	10/20ug/ml ICV Carboxylic A...	S26-06041310	10 Jun 2013 10:34
3	3	06101303.d	1.	25/50 test		10 Jun 2013 10:55
4	4	06101304.d	1.	25/50 test		10 Jun 2013 12:54
5	1	06101305.d	1.	Pentane Blank w/ IS		10 Jun 2013 13:22
6	2	06101306.d	1.	0.25/0.5ug/ml Carboxylic Acids	S26-06041309	10 Jun 2013 13:44
7	3	06101307.d	1.	1/2ug/ml Carboxylic Acids	S26-06041308	10 Jun 2013 14:06
8	4	06101308.d	1.	5/10ug/ml Carboxylic Acids	S26-06041307	10 Jun 2013 14:28
9	5	06101309.d	1.	10/20ug/ml Carboxylic Acids	S26-06041306	10 Jun 2013 14:50
10	6	06101310.d	1.	25/50ug/ml Carboxylic Acids	S26-06041305	10 Jun 2013 15:12
11	7	06101311.d	1.	50/100ug/ml Carboxylic Acids	S26-06041304	10 Jun 2013 15:52
12	8	06101312.d	1.	10/20ug/ml ICV Carboxylic A...	S26-06041310	10 Jun 2013 16:14
13	9	06101313.d	1.	pentane blank		10 Jun 2013 16:56
14	10	06101314.d	1.	SS 20/40ug/ml		10 Jun 2013 17:18
15	11	06101315.d	1.	LCS 20/40ug/ml	in H2O	10 Jun 2013 17:40
16	12	06101316.d	1.	LCSD 20/40ug/ml	in H2O	10 Jun 2013 18:02
17	13	06101317.d	1.	MB 1.0ml	in H2O	10 Jun 2013 18:23
18	14	06101318.d	1.	P1302209-001 1.0ml	aqueous Sx	11 Jun 2013 07:42
19	15	06101319.d	1.	P1302209-001 MS 1.0ml	aqueous Sx	11 Jun 2013 08:04
20	16	06101320.d	1.	P1302209-001 MSD 1.0ml	aqueous Sx	11 Jun 2013 08:26
21	17	06101321.d	1.	P1302209-001 1.0ml 10x	aqueous Sx	11 Jun 2013 08:48
22	18	06101322.d	1.	P1302209-001 1.0ml 100x	aqueous Sx	11 Jun 2013 09:17

Injection Log

Directory: J:\MS14\DATA\ACIDS\2013_06\14

Line	Vial	FileName	Multiplier	SampleName	Misc Info	Injected
1	1	03141301.d	1.	bfb tune check		14 Jun 2013 09:04
2	1	03141302.d	1.	bfb tune check		14 Jun 2013 09:15
3	2	03141303.d	1.	x25/50ug/ml Carboxylic Acids	wrong method run	14 Jun 2013 09:27
4	2	03141304.d	1.	25/50ug/ml Carboxylic Acids	S26-06041305	14 Jun 2013 09:53
5	3	03141305.d	1.	Pentane Blank		14 Jun 2013 10:15
6	4	03141306.d	1.	0.25/0.5ug/ml MRL ck std.	S26-06041309	14 Jun 2013 10:37
7	5	03141307.d	1.	1/2ug/ml MRL ck std.	S26-06041308	14 Jun 2013 10:59
8	6	03141308.d	1.	SS 10/20ug/ml		14 Jun 2013 11:21
9	7	03141309.d	1.	LCS 10/20ug/ml		14 Jun 2013 11:43
10	8	03141310.d	1.	LCSD 10/20ug/ml		14 Jun 2013 12:06
11	9	03141311.d	1.	MB 1.0ml		14 Jun 2013 12:28
12	10	03141312.d	1.	P1302340-001 Back 1.0ml		14 Jun 2013 13:44
13	11	03141313.d	1.	P1302340-001 Front 1.0ml		14 Jun 2013 14:08
14	12	03141314.d	1.	P1302340-002 Back 1.0ml		14 Jun 2013 14:30
15	13	03141315.d	1.	P1302340-002 Front 1.0ml		14 Jun 2013 14:52
16	14	03141316.d	1.	P1302340-003 Back 1.0ml	6/17/13	14 Jun 2013 15:14
17	15	03141317.d	1.	P1302340-003 Front 1.0ml	ET	14 Jun 2013 15:36
18	16	03141318.d	1.	P1302340-004 Back 1.0ml		14 Jun 2013 15:58
19	17	03141319.d	1.	P1302340-004 Front 1.0ml		14 Jun 2013 16:20
20	18	03141320.d	1.	P1302340-005 Back 1.0ml		14 Jun 2013 16:43
21	19	03141321.d	1.	P1302340-005 Front 1.0ml		14 Jun 2013 17:05
22	20	03141322.d	1.	P1302340-006 Back 1.0ml		14 Jun 2013 17:27
23	21	03141323.d	1.	P1302340-006 Front 1.0ml		14 Jun 2013 17:49
24	22	03141324.d	1.	P1302340-007 Back 1.0ml		14 Jun 2013 18:11
25	23	03141325.d	1.	P1302340-007 Front 1.0ml		14 Jun 2013 18:33
26	24	03141326.d	1.	SS 10/20ug/ml	prep by LH	14 Jun 2013 18:55
27	25	03141327.d	1.	LCS 10/20ug/ml	prep by LH	14 Jun 2013 19:17
28	26	03141328.d	1.	LCSD 10/20ug/ml	prep by LH	14 Jun 2013 19:40
29	27	03141329.d	1.	MB	prep by LH	14 Jun 2013 20:02