New England ACCUTEST Laboratories

IT'S ALL IN THE CHEMISTRY

07/09/07

Technical Report for

GEI Consultants, Inc.

Indoor & Outdoor Air Samples Tufts St., Somerville MA

045162

Accutest Job Number: M65795R

Sampling Date: 06/22/07

Report to:

GEI Consultants, Inc.
400 Unicorn Park Drive
Woburn, MA 01801-1970

ATTN: Raymond Siegener, Ph.D.

Total number of pages in report: **189**

ACCREDITED IN ACCORDANCE WITH nelac

Test results contained within this data package meet the requirements of the National Environmental Laboratory Accreditation Conference and/or state specific certification programs as applicable.

Reza Tand
Lab Director

ACCUTEST LABORATORIES 50 YEARS 1956-2006

Client Service contact: Kristen Blanchard 508-481-6200

Certifications: MA (M-MA136) CT (PH-0109) NH (250204) RI (00071) ME (MA136) FL (E87579) NY (23346) NJ (MA926) NAVY USACE

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Test results relate only to samples analyzed.

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Accutest Laboratories

Sample Summary

GEI Consultants, Inc.

Job No: M65795R

Indoor & Outdoor Air Samples Tufts St., Somerville MA
Project No: 045162

Sample Number	Collected Date	Time	By	Received	Matrix Code	Type	Client Sample ID
M65795-2R	06/22/07	10:47	TAD	06/22/07	AIR	Air	045162-17KNOW-SS2

SAMPLE DELIVERY GROUP CASE NARRATIVE

Client:	GEI Consultants, Inc.	**Job No**	M65795R
Site:	Indoor & Outdoor Air Samples Tufts St., Somerville MA	**Report Date**	7/9/2007 11:56:38 AM

1 Sample was collected on 06/22/2007 and were received at Accutest on 06/22/2007. These Samples received an Accutest job number of M65795R. A listing of the Laboratory Sample ID, Client Sample ID and dates of collection are presented in the Results Summary Section of this report.

Except as noted below, all method specified calibrations and quality control performance criteria were met for this job. For more information, please refer to QC summary pages.

Volatiles by GCMS By Method TO-15

Matrix AIR **Batch ID:** MSQ207

- All samples were analyzed within the recommended method holding time.
- All method blanks for this batch meet method specific criteria.
- Sample(s) M65942-1DUP were used as the QC samples indicated.
- MSQ207-BS for trans-1,2-Dichloroethylene: Outside control limits. Associated samples are non-detect for this compound.
- MSQ207-BS for 1,2-Dichloroethane: Outside control limits. Associated samples are non-detect for this compound.

The Accutest Laboratories of New England certifies that all analysis were performed within method specification. It is further recommended that this report to be used in its entirety.The Accutest Laboratories of NE, Laboratory Director or assignee as verified by the signature on the cover page has authorized the release of this report(M65795R).

Sample Results

Report of Analysis

Accutest Laboratories

Report of Analysis

Client Sample ID:	045162-17KNOW-SS2		
Lab Sample ID:	M65795-2R	**Date Sampled:**	06/22/07
Matrix:	AIR - Air	**Date Received:**	06/22/07
Method:	TO-15	**Percent Solids:**	n/a
Project:	Indoor & Outdoor Air Samples Tufts St., Somerville MA		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	Q3862.D	1	06/29/07	PB	n/a	n/a	MSQ207
Run #2							

	Initial Volume
Run #1	400 ml
Run #2	

CAS No.	MW	Compound	Result	RL	Units	Q	Result	RL	Units
75-00-3	64.52	Chloroethane	ND	0.20	ppbv		ND	0.53	ug/m3
56-23-5	153.8	Carbon tetrachloride	ND	0.20	ppbv		ND	1.3	ug/m3
75-34-3	98.96	1,1-Dichloroethane	ND	0.20	ppbv		ND	0.81	ug/m3
75-35-4	96.94	1,1-Dichloroethylene	ND	0.20	ppbv		ND	0.79	ug/m3
107-06-2	98.96	1,2-Dichloroethane	ND	0.20	ppbv		ND	0.81	ug/m3
156-60-5	96.94	trans-1,2-Dichloroethylene	ND	0.20	ppbv		ND	0.79	ug/m3
156-59-2	96.94	cis-1,2-Dichloroethylene	ND	0.20	ppbv		ND	0.79	ug/m3
71-55-6	133.4	1,1,1-Trichloroethane	ND	0.20	ppbv		ND	1.1	ug/m3
79-34-5	167.9	1,1,2,2-Tetrachloroethane	ND	0.20	ppbv		ND	1.4	ug/m3
79-00-5	133.4	1,1,2-Trichloroethane	ND	0.20	ppbv		ND	1.1	ug/m3
127-18-4	165.8	Tetrachloroethylene	0.24	0.20	ppbv		1.6	1.4	ug/m3
79-01-6	131.4	Trichloroethylene	ND	0.20	ppbv		ND	1.1	ug/m3
75-01-4	62.5	Vinyl chloride	ND	0.20	ppbv		ND	0.51	ug/m3

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
460-00-4	4-Bromofluorobenzene	106%		57-139%

ND = Not detected
RL = Reporting Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Misc. Forms

Custody Documents and Other Forms

Includes the following where applicable:

- Chain of Custody
- Summa Canister and Flow Controller Log
- Sample Tracking Chronicle
- Internal Chain of Custody

ACCUTEST Laboratories

CHAIN OF CUSTODY

Air Sampling Field Data Sheet

PCO-EX Tracking #: | Lab Quote #: | Bottle Order Control #: | Lab Job #: M65795R

PAGE 1 OF 2

Client / Reporting Information

Company Name: GEI
Address: 400 Unicorn Park Dr
City: Woburn State: MA Zip: 01801
Project Contact: Mark Ensign E-mail: Mensign@GEIconsultants.com
Phone #: 781-721-4000 Fax #: 781-721-4073
Sampler(s) Name(s):

Project Name: 50 Tufts St
Street: 50 Tufts St
City: Somerville State: MA
Project #: 045162
Client Purchase Order #:

Weather Parameters

Temperature (Fahrenheit)
Start: Maximum:
Stop: Minimum:
Atmospheric Pressure (inches of Hg)
Start: Maximum:
Stop: Minimum:
Other weather component:

Requested Analysis

Standard TO-15 Reporting Lim.
MA DEP APH

Lab Sample #	Field ID / Point of Collection	Air Type Indoor(I) Soil Vap(SV) Ambient(A)	Sampling Equipment Info: Canister Serial #	Canister Size 6L or 1L	Flow Controller Serial #	Start Sampling Information: Date	Time (24hr clock)	Canister Pressure (" Hg)	Interior Temp (F)	Sampler Init.	Stop Sampling Information: Date	Time (24hr clock)	Canister Pressure (" Hg)	Interior Temp (F)	Sampler Init.
M65795-1	045162-17KNow-552	SV	M165	6	MC106	6-22-07	947	30	-	TAD	6-22-07	1049	5	-	TAD
HOLD -2	045162-17KNow-552	SV	M126	6	MC108	6-22-07	943	29	-	TAD	6-22-07	1047	5	-	TAD

Turnaround Time (Business days)

Standard - 15 Days ✓
15 Day
5 Day
3 Day
2 Day
1 Day
Other

Approved By: _____
Date: _____

Data Deliverable Information

Comm A
Comm B
Full T1
Other:

Comments / Remarks

Please HOLD Sample 552 — See attached list

Sample Custody must be documented below each time samples change possession, including courier delivery.

Relinquished by:	Date Time:	Received by:	Relinquished by:	Date Time:	Received by:
1 GEI lab	6-22-07 700	1 Tom Dwight	2 Tom Dwight	6-22-07 1630	2 GEI lab
3 GEI lab	6-22-07 1700	3 Tom Dwight	4 Tom Dwight	6-22-07 1700	4 Ryu Takeokhan
5 Ryu Takeokhan	6-22-07 19:00	5 Ryu Takeokhan	Custody Seal #		

Cor Ambient

SM003-01 (2/24/06)

4.1

4

M65795R: Chain of Custody

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Substab

~~Indoor~~ Air Sampling Analyte List

- Chloroethane
- Carbon Tetrachloride
- 1,1-Dichloroethane
- 1,1-Dichloroethylene
- 1,2-Dichloroethane
- trans-1,2-Dichloroethylene
- cis-1,2-Dichloroethylene
- 1,1,1-Trichloroethane
- 1,1,2,2-Tetrachloroethane
- 1,1,2-Trichloroethane
- Tetrachloroethylene
- Trichloroethylene
- Vinyl Chloride

Betty Baer M65795R

From: Reza Tand
Sent: Friday, June 29, 2007 2:17 PM
To: Betty Baer
Subject: FW: M65795-2 (045162-17KNOW-SS2)

From: Ray Siegener [mailto:RSiegener@geiconsultants.com]
Sent: Friday, June 29, 2007 1:32 PM
To: Philip Bassignani
Cc: Frank D'Agostino; Reza Tand
Subject: M65795-2 (045162-17KNOW-SS2)

Hi Phil,
Please remove the hold from M65795-2 and put in queue for analysis.
Thanks.

Regards,
Ray

Raymond Siegener, Ph.D.
Project Environmental Scientist
GEI Consultants, Inc.
400 Unicorn Park Drive
Woburn, MA 01801
Cell: 339-227-3342
Office: 781-721-4098
www.geiconsultants.com <http://www.geiconsultants.com/>

Summa Certification Blanks

Sample ID	Canister ID
M65795-2R	M126

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\
Data File : Q3730.D
Acq On : 14 Jun 2007 11:18 pm
Operator : PhilipB
Sample : M65337-21 (M126)
Misc : MS13754, MSQ201,,,,,1
ALS Vial : 12 Sample Multiplier: 1

Quant Time: Jun 15 09:51:35 2007
Quant Method : C:\msdchem\1\METHODS\Q061407T.m
Quant Title : TO15 by GCMS w/DB-1 60 m X .25 mm ID 1.0 um
QLast Update : Thu Jun 14 17:36:13 2007
Response via : Initial Calibration

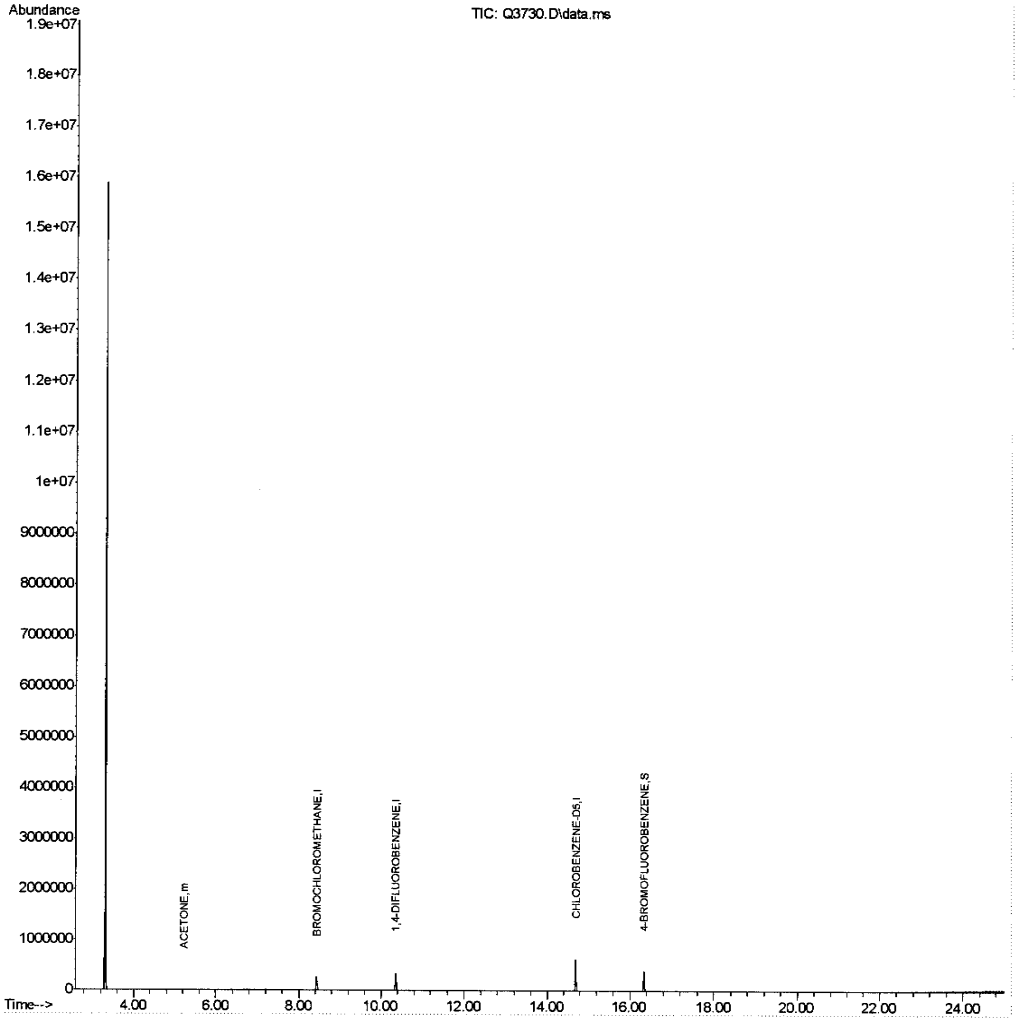
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) BROMOCHLOROMETHANE	8.433	128	38152	10.00	PPBV	0.00
35) 1,4-DIFLUOROBENZENE	10.344	114	167837	10.00	PPBV	0.00
49) CHLOROBENZENE-D5	14.694	117	229272	10.00	PPBV	0.00
System Monitoring Compounds						
61) 4-BROMOFLUOROBENZENE	16.334	95	90356	4.34	PPBV	0.00
Spiked Amount 5.000	Range 57 - 139		Recovery = 86.80%			
Target Compounds						Qvalue
12) ACETONE	5.236	43	3941	0.32	PPBV	96

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

Quantitation Report (QT Reviewed)

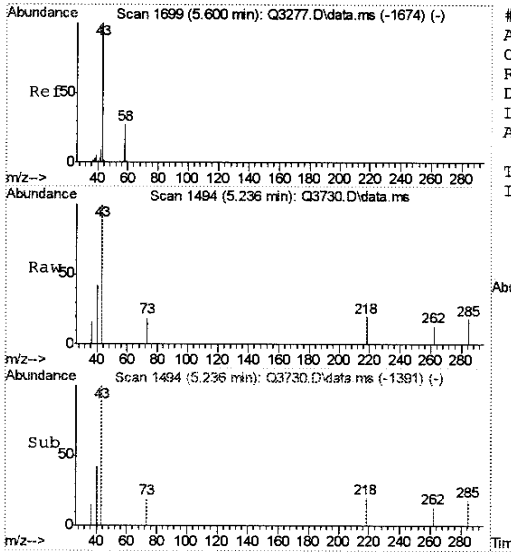
Data Path : C:\msdchem\1\DATA\
Data File : Q3730.D
Acq On : 14 Jun 2007 11:18 pm
Operator : PhilipB
Sample : M65337-21 (M126)
Misc : MS13754, MSQ201,,,,,1
ALS Vial : 12 Sample Multiplier: 1

Quant Time: Jun 15 09:51:35 2007
Quant Method : C:\msdchem\1\METHODS\Q061407T.m
Quant Title : TO15 by GCMS w/DB-1 60 m X .25 mm ID 1.0 um
QLast Update : Thu Jun 14 17:36:13 2007
Response via : Initial Calibration



Q061407T.m Fri Jun 15 09:51:41 2007 RPT1 Page: 2

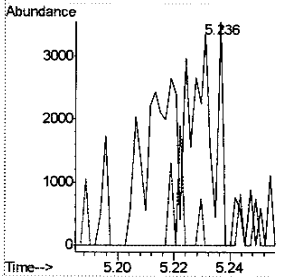
M65795R: Chain of Custody
Page 6 of 7



#12
ACETONE
Concen: 0.32 PPBV
RT: 5.236 min Scan# 1494
Delta R.T. 0.028 min
Lab File: Q3730.D
Acq: 14 Jun 2007 11:18 pm

Tgt Ion: 43 Resp: 3941

Ion	Ratio	Lower	Upper
43	100		
58	4.2	0.0	20.3



Q3730.D Q061407T.m Fri Jun 15 09:51:42 2007 RPT1 Page 3

4.1 4

Summa Canister and Flow Controller Log

Job Number: M65795R
Account: GEI GEI Consultants, Inc.
Project: Indoor & Outdoor Air Samples Tufts St., Somerville MA
Received: 06/22/07

SUMMA CANISTERS

Shipping							Receiving						
Summa ID	L	Vac " Hg	Date Out	By	SCC Batch	SCC FileID	Sample Number	Date In	By	Vac " Hg	Pres psig	Final psig	Dil Fact
M126	6	29.4	06/15/07	PB	CP429	Q3730.D	M65795-2	06/29/07	PB	4		-2	1

FLOW CONTROLLERS

Shipping					Receiving		
Flow Crtl ID	Date Out	By	cc/ min	Time hrs.	Date In	By	cc/ min
MC106	06/15/07	PB	80	1	06/26/07	DFT	83.5
MC108	04/16/07	PB	80	1	06/29/07	DFT	81

Accutest Bottle Order(s):
PB/4-16-07/GEI/TUFTS ST.
PB/6-15-07/GEI/TUFTS ST.

Prep Date	Room Temp(F)	Bar Pres "Hg
06/15/07	70	29.92

Internal Sample Tracking Chronicle

GEI Consultants, Inc.

Job No: M65795R

Indoor & Outdoor Air Samples Tufts St., Somerville MA
Project No: 045162

Sample Number	Method	Analyzed	By	Prepped	By	Test Codes
M65795-2R Collected: 22-JUN-07 10:47 By: TAD Received: 22-JUN-07 By: SAP 045162-17KNOW-SS2						
M65795-2R	TO-15	29-JUN-07 19:33	PB			VTO15STD

GC/MS Volatiles

QC Data Summaries

Includes the following where applicable:

- Method Blank Summaries
- Blank Spike Summaries
- Matrix Spike and Duplicate Summaries
- Instrument Performance Checks (BFB)
- Internal Standard Area Summaries
- Initial Calibration RT/ISTD Area Summaries
- Surrogate Recovery Summaries
- Initial and Continuing Calibration Summaries

Method Blank Summary

Job Number: M65795R
Account: GEI GEI Consultants, Inc.
Project: Indoor & Outdoor Air Samples Tufts St., Somerville MA

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
MSQ207-MB	Q3858.D	1	06/29/07	PB	n/a	n/a	MSQ207

The QC reported here applies to the following samples: **Method:** TO-15

M65795-2R

CAS No.	Compound	Result	RL	Units	Q	Result	RL	Units
75-00-3	Chloroethane	ND	0.20	ppbv		ND	0.53	ug/m3
56-23-5	Carbon tetrachloride	ND	0.20	ppbv		ND	1.3	ug/m3
75-34-3	1,1-Dichloroethane	ND	0.20	ppbv		ND	0.81	ug/m3
75-35-4	1,1-Dichloroethylene	ND	0.20	ppbv		ND	0.79	ug/m3
107-06-2	1,2-Dichloroethane	ND	0.20	ppbv		ND	0.81	ug/m3
156-60-5	trans-1,2-Dichloroethylene	ND	0.20	ppbv		ND	0.79	ug/m3
156-59-2	cis-1,2-Dichloroethylene	ND	0.20	ppbv		ND	0.79	ug/m3
71-55-6	1,1,1-Trichloroethane	ND	0.20	ppbv		ND	1.1	ug/m3
79-34-5	1,1,2,2-Tetrachloroethane	ND	0.20	ppbv		ND	1.4	ug/m3
79-00-5	1,1,2-Trichloroethane	ND	0.20	ppbv		ND	1.1	ug/m3
127-18-4	Tetrachloroethylene	ND	0.20	ppbv		ND	1.4	ug/m3
79-01-6	Trichloroethylene	ND	0.20	ppbv		ND	1.1	ug/m3
75-01-4	Vinyl chloride	ND	0.20	ppbv		ND	0.51	ug/m3

CAS No.	Surrogate Recoveries		Limits
460-00-4	4-Bromofluorobenzene	97%	57-139%

Blank Spike Summary

Job Number: M65795R
Account: GEI GEI Consultants, Inc.
Project: Indoor & Outdoor Air Samples Tufts St., Somerville MA

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
MSQ207-BS	Q3857A.D	1	06/29/07	PB	n/a	n/a	MSQ207

The QC reported here applies to the following samples: **Method:** TO-15

M65795-2R

CAS No.	Compound	Spike ppbv	BSP ppbv	BSP %	Limits
75-00-3	Chloroethane	10	10.0	100	70-130
56-23-5	Carbon tetrachloride	10	12.8	128	70-130
75-34-3	1,1-Dichloroethane	10	12.5	125	70-130
75-35-4	1,1-Dichloroethylene	10	12.1	121	70-130
107-06-2	1,2-Dichloroethane	10	14.2	142* [a]	70-130
156-60-5	trans-1,2-Dichloroethylene	10	13.1	131* [a]	70-130
156-59-2	cis-1,2-Dichloroethylene	10	10.8	108	70-130
71-55-6	1,1,1-Trichloroethane	10	12.8	128	70-130
79-34-5	1,1,2,2-Tetrachloroethane	10	9.6	96	70-130
79-00-5	1,1,2-Trichloroethane	10	10.4	104	70-130
127-18-4	Tetrachloroethylene	10	8.1	81	70-130
79-01-6	Trichloroethylene	10	11.1	111	70-130
75-01-4	Vinyl chloride	10	9.7	97	70-130

CAS No.	Surrogate Recoveries	BSP	Limits
460-00-4	4-Bromofluorobenzene	99%	57-139%

(a) Outside control limits. Associated samples are non-detect for this compound.

Duplicate Summary

Job Number: M65795R
Account: GEI GEI Consultants, Inc.
Project: Indoor & Outdoor Air Samples Tufts St., Somerville MA

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
M65942-1DUP	Q3860.D	1	06/29/07	PB	n/a	n/a	MSQ207
M65942-1	Q3859.D	1	06/29/07	PB	n/a	n/a	MSQ207

The QC reported here applies to the following samples: **Method:** TO-15

M65795-2R

CAS No.	Compound	M65942-1 ppbv	Q	DUP ppbv	Q	RPD	Limits
75-00-3	Chloroethane	ND		ND		nc	25
56-23-5	Carbon tetrachloride	ND		ND		nc	25
75-34-3	1,1-Dichloroethane	ND		ND		nc	25
75-35-4	1,1-Dichloroethylene	ND		ND		nc	25
107-06-2	1,2-Dichloroethane	ND		ND		nc	25
156-60-5	trans-1,2-Dichloroethylene	ND		ND		nc	25
156-59-2	cis-1,2-Dichloroethylene	ND		ND		nc	25
71-55-6	1,1,1-Trichloroethane	ND		ND		nc	25
79-34-5	1,1,2,2-Tetrachloroethane	ND		ND		nc	25
79-00-5	1,1,2-Trichloroethane	ND		ND		nc	25
127-18-4	Tetrachloroethylene	ND		ND		nc	25
79-01-6	Trichloroethylene	ND		ND		nc	25
75-01-4	Vinyl chloride	ND		ND		nc	25

CAS No.	Surrogate Recoveries	DUP	M65942-1	Limits
460-00-4	4-Bromofluorobenzene	105%	97%	57-139%

Instrument Performance Check (BFB)

Job Number: M65795R
Account: GEI GEI Consultants, Inc.
Project: Indoor & Outdoor Air Samples Tufts St., Somerville MA

Sample: MSQ205-BFB
Lab File ID: Q3817.D
Instrument ID: GCMSQ
Injection Date: 06/27/07
Injection Time: 11:33

m/e	Ion Abundance Criteria	Raw Abundance	% Relative Abundance		Pass/Fail
50	8.0 - 40.0% of mass 95	47699	27.2		Pass
75	30.0 - 66.0% of mass 95	83635	47.6		Pass
95	Base peak, 100% relative abundance	175661	100.0		Pass
96	5.0 - 9.0% of mass 95	11668	6.6		Pass
173	Less than 2.0% of mass 174	431	0.25	(0.44) [a]	Pass
174	50.0 - 120.0% of mass 95	96997	55.2		Pass
175	4.0 - 9.0% of mass 174	6997	4.0	(7.2) [a]	Pass
176	93.0 - 101.0% of mass 174	92628	52.7	(95.5) [a]	Pass
177	5.0 - 9.0% of mass 176	6290	3.6	(6.8) [b]	Pass

(a) Value is % of mass 174
(b) Value is % of mass 176

This check applies to the following Samples, MS, MSD, Blanks, and Standards:

Lab Sample ID	Lab File ID	Date Analyzed	Time Analyzed	Hours Lapsed	Client Sample ID
MSQ205-IC205	Q3817.D	06/27/07	11:33	00:00	Initial cal 40
MSQ205-IC205	Q3818.D	06/27/07	12:21	00:48	Initial cal 20
MSQ205-ICC205	Q3819.D	06/27/07	13:10	01:37	Initial cal 10
MSQ205-IC205	Q3820.D	06/27/07	14:02	02:29	Initial cal 5
MSQ205-IC205	Q3821.D	06/27/07	14:55	03:22	Initial cal 2
MSQ205-IC205	Q3822.D	06/27/07	15:52	04:19	Initial cal .5
MSQ205-IC205	Q3823.D	06/27/07	16:40	05:07	Initial cal .2
MSQ205-ICV205	Q3824.D	06/27/07	17:27	05:54	Initial cal verification 10
MSQ205-BS	Q3824A.D	06/27/07	17:27	05:54	Blank Spike
MSQ205-MB	Q3825.D	06/27/07	18:10	06:37	Method Blank
MSQ205-SCC	Q3825A.D	06/27/07	18:10	06:37	Summa Cleaning Certification
M65720-1	Q3826.D	06/27/07	19:02	07:29	(used for QC only; not part of job M65795R)
M65720-1DUP	Q3827.D	06/27/07	19:54	08:21	Duplicate
ZZZZZZ	Q3828.D	06/27/07	20:46	09:13	(unrelated sample)
ZZZZZZ	Q3829.D	06/27/07	21:39	10:06	(unrelated sample)
ZZZZZZ	Q3830.D	06/27/07	22:28	10:55	(unrelated sample)
ZZZZZZ	Q3831.D	06/27/07	23:16	11:43	(unrelated sample)
ZZZZZZ	Q3832.D	06/28/07	00:03	12:30	(unrelated sample)
M65720-1	Q3833.D	06/28/07	09:32	21:59	(used for QC only; not part of job M65795R)
ZZZZZZ	Q3834.D	06/28/07	10:15	22:42	(unrelated sample)
ZZZZZZ	Q3835.D	06/28/07	10:59	23:26	(unrelated sample)

Instrument Performance Check (BFB)

Job Number: M65795R
Account: GEI GEI Consultants, Inc.
Project: Indoor & Outdoor Air Samples Tufts St., Somerville MA

Sample: MSQ207-BFB
Lab File ID: Q3857.D
Instrument ID: GCMSQ
Injection Date: 06/29/07
Injection Time: 15:53

m/e	Ion Abundance Criteria	Raw Abundance	% Relative Abundance		Pass/Fail
50	8.0 - 40.0% of mass 95	11220	38.9		Pass
75	30.0 - 66.0% of mass 95	18521	64.3		Pass
95	Base peak, 100% relative abundance	28815	100.0		Pass
96	5.0 - 9.0% of mass 95	2299	8.0		Pass
173	Less than 2.0% of mass 174	0	0.0	(0.0) [a]	Pass
174	50.0 - 120.0% of mass 95	14696	51.0		Pass
175	4.0 - 9.0% of mass 174	850	2.9	(5.8) [a]	Pass
176	93.0 - 101.0% of mass 174	14324	49.7	(97.5) [a]	Pass
177	5.0 - 9.0% of mass 176	1022	3.5	(7.1) [b]	Pass

(a) Value is % of mass 174
(b) Value is % of mass 176

This check applies to the following Samples, MS, MSD, Blanks, and Standards:

Lab Sample ID	Lab File ID	Date Analyzed	Time Analyzed	Hours Lapsed	Client Sample ID
MSQ207-CC205	Q3857.D	06/29/07	15:53	00:00	Continuing cal 10
MSQ207-BS	Q3857A.D	06/29/07	15:53	00:00	Blank Spike
MSQ207-MB	Q3858.D	06/29/07	16:39	00:46	Method Blank
MSQ207-SCC	Q3858A.D	06/29/07	16:39	00:46	Summa Cleaning Certification
M65942-1	Q3859.D	06/29/07	17:23	01:30	(used for QC only; not part of job M65795R)
M65942-1DUP	Q3860.D	06/29/07	18:05	02:12	Duplicate
M65795-2R	Q3862.D	06/29/07	19:33	03:40	045162-17KNOW-SS2

Volatile Internal Standard Area Summary

Job Number: M65795R
Account: GEI GEI Consultants, Inc.
Project: Indoor & Outdoor Air Samples Tufts St., Somerville MA

Check Std:	MSQ207-CC205	**Injection Date:**	06/29/07
Lab File ID:	Q3857.D	**Injection Time:**	15:53
Instrument ID:	GCMSQ	**Method:**	TO-15

	IS 1 AREA	RT	IS 2 AREA	RT	IS 3 AREA	RT
Check Std	95802	8.64	506677	10.46	421047	14.71
Upper Limit [a]	134123	8.97	709348	10.79	589466	15.04
Lower Limit [b]	57481	8.31	304006	10.13	252628	14.38

Lab Sample ID	IS 1 AREA	RT	IS 2 AREA	RT	IS 3 AREA	RT
MSQ207-BS	95802	8.64	506677	10.46	421047	14.71
MSQ207-MB	82601	8.63	417283	10.46	319008	14.70
MSQ207-SCC	82601	8.63	417283	10.46	319008	14.70
M65942-1	67948	8.64	352124	10.46	254648	14.71
M65942-1DUP	70181	8.64	348425	10.47	269989	14.71
M65795-2R	66047	8.64	337833	10.47	263532	14.71

IS 1 = Bromochloromethane
IS 2 = 1,4-Difluorobenzene
IS 3 = Chlorobenzene-D5

(a) Upper Limit = +40% of check standard area; Retention time +0.33 minutes.
(b) Lower Limit = -40% of check standard area; Retention time -0.33 minutes.

Initial Calibration Retention Time/Internal Standard Area Summary

Job Number: M65795R
Account: GEI GEI Consultants, Inc.
Project: Indoor & Outdoor Air Samples Tufts St., Somerville MA

Sample Number	Lab File ID	Injected	By	Level	Inst ID	Method	
MSQ205-IC205	Q3817.D	06/27/07 11:33	PB	40	GCMSQ	TO-15	Reporting this level
MSQ205-IC205	Q3818.D	06/27/07 12:21	PB	20	GCMSQ	TO-15	
MSQ205-ICC205	Q3819.D	06/27/07 13:10	PB	10	GCMSQ	TO-15	
MSQ205-IC205	Q3820.D	06/27/07 14:02	PB	5	GCMSQ	TO-15	
MSQ205-IC205	Q3821.D	06/27/07 14:55	PB	2	GCMSQ	TO-15	
MSQ205-IC205	Q3822.D	06/27/07 15:52	PB	.5	GCMSQ	TO-15	
MSQ205-IC205	Q3823.D	06/27/07 16:40	PB	.2	GCMSQ	TO-15	

Target Compound	RT (min.)	Istd RT (min.)	Rel RT		Mean Rel RT	Rel RT Range (+/- .06)
Acetone	5.59	8.64	0.647	ok	0.648	0.588-0.708
1,3-Butadiene	4.56	8.64	0.528	ok	0.528	0.468-0.588
Benzene	10.15	10.47	0.969	ok	0.970	0.910-1.030
Bromodichloromethane	11.11	10.47	1.061	ok	1.062	1.002-1.122
Bromoform	15.43	14.71	1.049	ok	1.049	0.989-1.109
Bromomethane	4.84	8.64	0.560	ok	0.560	0.500-0.620
Bromoethene	5.37	8.64	0.622	ok	0.621	0.561-0.681
Benzyl Chloride	17.92	14.71	1.218	ok	1.217	1.157-1.277
Carbon disulfide	6.86	8.64	0.794	ok	0.794	0.734-0.854
Chlorobenzene	14.76	14.71	1.003	ok	1.003	0.943-1.063
Chloroethane	5.01	8.64	0.580	ok	0.579	0.519-0.639
Chloroform	8.76	8.64	1.014	ok	1.014	0.954-1.074
Chloromethane	4.20	8.64	0.486	ok	0.486	0.426-0.546
3-Chloropropene	6.66	8.64	0.771	ok	0.770	0.710-0.830
2-Chlorotoluene	17.02	14.71	1.157	ok	1.157	1.097-1.217
Carbon tetrachloride	10.29	8.64	1.191	ok	1.193	1.133-1.253
Cyclohexane	10.42	10.47	0.995	ok	0.995	0.935-1.055
1,1-Dichloroethane	7.66	8.64	0.887	ok	0.887	0.827-0.947
1,1-Dichloroethylene	6.42	8.64	0.743	ok	0.743	0.683-0.803
1,2-Dibromoethane	13.61	14.71	0.925	ok	0.925	0.865-0.985
1,2-Dichloroethane	9.47	8.64	1.096	ok	1.097	1.037-1.157
1,2-Dichloropropane	10.92	10.47	1.043	ok	1.044	0.984-1.104
1,4-Dioxane	11.14	10.47	1.064	ok	1.066	1.006-1.126
Dichlorodifluoromethane	4.03	8.64	0.466	ok	0.468	0.408-0.528
Dibromochloromethane	13.36	14.71	0.908	ok	0.908	0.848-0.968
trans-1,2-Dichloroethylene	7.47	8.64	0.865	ok	0.864	0.804-0.924
cis-1,2-Dichloroethylene	8.47	8.64	0.980	ok	0.981	0.921-1.041
cis-1,3-Dichloropropene	11.97	10.47	1.143	ok	1.144	1.084-1.204
m-Dichlorobenzene	17.95	14.71	1.220	ok	1.220	1.160-1.280
o-Dichlorobenzene	18.41	14.71	1.252	ok	1.252	1.192-1.312
p-Dichlorobenzene	18.02	14.71	1.225	ok	1.225	1.165-1.285
trans-1,3-Dichloropropene	12.47	10.47	1.191	ok	1.192	1.132-1.252
Ethanol	5.09	8.64	0.589	ok	0.590	0.530-0.650
Ethylbenzene	15.13	14.71	1.029	ok	1.029	0.969-1.089
Ethyl Acetate	8.67	8.64	1.003	ok	1.003	0.943-1.063
4-Ethyltoluene	17.21	14.71	1.170	ok	1.171	1.111-1.231
Freon 113	6.80	8.64	0.787	ok	0.786	0.726-0.846
Freon 114	4.30	8.64	0.498	ok	0.498	0.438-0.558
Heptane	11.41	10.47	1.090	ok	1.091	1.031-1.151
Hexachlorobutadiene	20.80	14.71	1.414	ok	1.415	1.355-1.475
Hexane	8.67	8.64	1.003	ok	1.004	0.944-1.064

Initial Calibration Retention Time/Internal Standard Area Summary

Job Number: M65795R
Account: GEI GEI Consultants, Inc.
Project: Indoor & Outdoor Air Samples Tufts St., Somerville MA

Sample Number	Lab File ID	Injected	By	Level	Inst ID	Method	
MSQ205-IC205	Q3817.D	06/27/07 11:33	PB	40	GCMSQ	TO-15	Reporting this level
MSQ205-IC205	Q3818.D	06/27/07 12:21	PB	20	GCMSQ	TO-15	
MSQ205-ICC205	Q3819.D	06/27/07 13:10	PB	10	GCMSQ	TO-15	
MSQ205-IC205	Q3820.D	06/27/07 14:02	PB	5	GCMSQ	TO-15	
MSQ205-IC205	Q3821.D	06/27/07 14:55	PB	2	GCMSQ	TO-15	
MSQ205-IC205	Q3822.D	06/27/07 15:52	PB	.5	GCMSQ	TO-15	
MSQ205-IC205	Q3823.D	06/27/07 16:40	PB	.2	GCMSQ	TO-15	

Target Compound	RT (min.)	Istd RT (min.)	Rel RT		Mean Rel RT	Rel RT Range (+/- .06)
2-Hexanone	13.15	14.71	0.894	ok	0.894	0.834-0.954
Isopropylbenzene	16.47	14.71	1.120	ok	1.120	1.060-1.180
Isopropyl Alcohol	5.83	8.64	0.675	ok	0.674	0.614-0.734
Methylene chloride	6.54	8.64	0.757	ok	0.756	0.696-0.816
Methyl ethyl ketone	8.03	8.64	0.929	ok	0.931	0.871-0.991
Methyl Isobutyl Ketone	11.98	10.47	1.144	ok	1.146	1.086-1.206
Methyl Tert Butyl Ether	7.71	8.64	0.892	ok	0.893	0.833-0.953
Nonane	16.03	14.71	1.090	ok	1.090	1.030-1.150
Pentane	6.14	8.64	0.711	ok	0.711	0.651-0.771
Propylene	3.96	8.64	0.458	ok	0.460	0.400-0.520
Styrene	15.71	14.71	1.068	ok	1.068	1.008-1.128
1,1,1-Trichloroethane	9.71	8.64	1.124	ok	1.125	1.065-1.185
1,1,2,2-Tetrachloroethane	15.82	14.71	1.075	ok	1.075	1.015-1.135
1,1,2-Trichloroethane	12.65	10.47	1.208	ok	1.210	1.150-1.270
1,2,4-Trichlorobenzene	20.31	14.71	1.381	ok	1.381	1.321-1.441
1,2,4-Trimethylbenzene	17.76	14.71	1.207	ok	1.208	1.148-1.268
1,3,5-Trimethylbenzene	17.30	14.71	1.176	ok	1.176	1.116-1.236
2,2,4-Trimethylpentane	11.17	10.47	1.067	ok	1.068	1.008-1.128
Tertiary Butyl Alcohol	6.43	8.64	0.744	ok	0.745	0.685-0.805
Tetrachloroethylene	14.06	14.71	0.956	ok	0.956	0.896-1.016
Tetrahydrofuran	9.14	8.64	1.058	ok	1.060	1.000-1.120
Toluene	12.93	10.47	1.235	ok	1.236	1.176-1.296
Trichloroethylene	11.15	10.47	1.065	ok	1.066	1.006-1.126
Trichlorofluoromethane	5.79	8.64	0.670	ok	0.670	0.610-0.730
Vinyl chloride	4.42	8.64	0.512	ok	0.512	0.452-0.572
Vinyl Acetate	7.79	8.64	0.902	ok	0.901	0.841-0.961
m,p-Xylene	15.33	14.71	1.042	ok	1.042	0.982-1.102
o-Xylene	15.83	14.71	1.076	ok	1.076	1.016-1.136

Internal Standard	RT (min.)		Mean RT(min.)	RT Range (+/- 0.33)	Area		Mean Area	Area Range (+/- 40 %)
Bromochloromethane	8.64	ok	8.61	8.28-8.94	156003	ok	146294	87776-204812
1,4-Difluorobenzene	10.47	ok	10.45	10.12-10.78	791017	ok	695163	417098-973228
Chlorobenzene-D5	14.71	ok	14.70	14.37-15.03	684005	ok	587971	352783-823159

Initial Calibration Retention Time/Internal Standard Area Summary

Job Number: M65795R
Account: GEI GEI Consultants, Inc.
Project: Indoor & Outdoor Air Samples Tufts St., Somerville MA

Sample Number	Lab File ID	Injected	By	Level	Inst ID	Method	
MSQ205-IC205	Q3817.D	06/27/07 11:33	PB	40	GCMSQ	TO-15	
MSQ205-IC205	Q3818.D	06/27/07 12:21	PB	20	GCMSQ	TO-15	Reporting this level
MSQ205-ICC205	Q3819.D	06/27/07 13:10	PB	10	GCMSQ	TO-15	
MSQ205-IC205	Q3820.D	06/27/07 14:02	PB	5	GCMSQ	TO-15	
MSQ205-IC205	Q3821.D	06/27/07 14:55	PB	2	GCMSQ	TO-15	
MSQ205-IC205	Q3822.D	06/27/07 15:52	PB	.5	GCMSQ	TO-15	
MSQ205-IC205	Q3823.D	06/27/07 16:40	PB	.2	GCMSQ	TO-15	

Target Compound	RT (min.)	Istd RT (min.)	Rel RT		Mean Rel RT	Rel RT Range (+/- .06)
Acetone	5.59	8.63	0.648	ok	0.648	0.588-0.708
1,3-Butadiene	4.55	8.63	0.527	ok	0.528	0.468-0.588
Benzene	10.15	10.46	0.970	ok	0.970	0.910-1.030
Bromodichloromethane	11.11	10.46	1.062	ok	1.062	1.002-1.122
Bromoform	15.42	14.71	1.048	ok	1.049	0.989-1.109
Bromomethane	4.83	8.63	0.560	ok	0.560	0.500-0.620
Bromoethene	5.36	8.63	0.621	ok	0.621	0.561-0.681
Benzyl Chloride	17.92	14.71	1.218	ok	1.217	1.157-1.277
Carbon disulfide	6.86	8.63	0.795	ok	0.794	0.734-0.854
Chlorobenzene	14.75	14.71	1.003	ok	1.003	0.943-1.063
Chloroethane	5.01	8.63	0.581	ok	0.579	0.519-0.639
Chloroform	8.75	8.63	1.014	ok	1.014	0.954-1.074
Chloromethane	4.20	8.63	0.487	ok	0.486	0.426-0.546
3-Chloropropene	6.65	8.63	0.771	ok	0.770	0.710-0.830
2-Chlorotoluene	17.02	14.71	1.157	ok	1.157	1.097-1.217
Carbon tetrachloride	10.29	8.63	1.192	ok	1.193	1.133-1.253
Cyclohexane	10.41	10.46	0.995	ok	0.995	0.935-1.055
1,1-Dichloroethane	7.66	8.63	0.888	ok	0.887	0.827-0.947
1,1-Dichloroethylene	6.42	8.63	0.744	ok	0.743	0.683-0.803
1,2-Dibromoethane	13.60	14.71	0.925	ok	0.925	0.865-0.985
1,2-Dichloroethane	9.46	8.63	1.096	ok	1.097	1.037-1.157
1,2-Dichloropropane	10.92	10.46	1.044	ok	1.044	0.984-1.104
1,4-Dioxane	11.13	10.46	1.064	ok	1.066	1.006-1.126
Dichlorodifluoromethane	4.03	8.63	0.467	ok	0.468	0.408-0.528
Dibromochloromethane	13.35	14.71	0.908	ok	0.908	0.848-0.968
trans-1,2-Dichloroethylene	7.46	8.63	0.864	ok	0.864	0.804-0.924
cis-1,2-Dichloroethylene	8.47	8.63	0.981	ok	0.981	0.921-1.041
cis-1,3-Dichloropropene	11.96	10.46	1.143	ok	1.144	1.084-1.204
m-Dichlorobenzene	17.94	14.71	1.220	ok	1.220	1.160-1.280
o-Dichlorobenzene	18.41	14.71	1.252	ok	1.252	1.192-1.312
p-Dichlorobenzene	18.02	14.71	1.225	ok	1.225	1.165-1.285
trans-1,3-Dichloropropene	12.46	10.46	1.191	ok	1.192	1.132-1.252
Ethanol	5.09	8.63	0.590	ok	0.590	0.530-0.650
Ethylbenzene	15.13	14.71	1.029	ok	1.029	0.969-1.089
Ethyl Acetate	8.66	8.63	1.003	ok	1.003	0.943-1.063
4-Ethyltoluene	17.21	14.71	1.170	ok	1.171	1.111-1.231
Freon 113	6.79	8.63	0.787	ok	0.786	0.726-0.846
Freon 114	4.29	8.63	0.497	ok	0.498	0.438-0.558
Heptane	11.41	10.46	1.091	ok	1.091	1.031-1.151
Hexachlorobutadiene	20.80	14.71	1.414	ok	1.415	1.355-1.475
Hexane	8.67	8.63	1.005	ok	1.004	0.944-1.064

Initial Calibration Retention Time/Internal Standard Area Summary

Job Number: M65795R
Account: GEI GEI Consultants, Inc.
Project: Indoor & Outdoor Air Samples Tufts St., Somerville MA

Sample Number	Lab File ID	Injected	By	Level	Inst ID	Method	
MSQ205-IC205	Q3817.D	06/27/07 11:33	PB	40	GCMSQ	TO-15	
MSQ205-IC205	Q3818.D	06/27/07 12:21	PB	20	GCMSQ	TO-15	Reporting this level
MSQ205-ICC205	Q3819.D	06/27/07 13:10	PB	10	GCMSQ	TO-15	
MSQ205-IC205	Q3820.D	06/27/07 14:02	PB	5	GCMSQ	TO-15	
MSQ205-IC205	Q3821.D	06/27/07 14:55	PB	2	GCMSQ	TO-15	
MSQ205-IC205	Q3822.D	06/27/07 15:52	PB	.5	GCMSQ	TO-15	
MSQ205-IC205	Q3823.D	06/27/07 16:40	PB	.2	GCMSQ	TO-15	

Target Compound	RT (min.)	Istd RT (min.)	Rel RT		Mean Rel RT	Rel RT Range (+/- .06)
2-Hexanone	13.15	14.71	0.894	ok	0.894	0.834-0.954
Isopropylbenzene	16.47	14.71	1.120	ok	1.120	1.060-1.180
Isopropyl Alcohol	5.82	8.63	0.674	ok	0.674	0.614-0.734
Methylene chloride	6.54	8.63	0.758	ok	0.756	0.696-0.816
Methyl ethyl ketone	8.03	8.63	0.930	ok	0.931	0.871-0.991
Methyl Isobutyl Ketone	11.98	10.46	1.145	ok	1.146	1.086-1.206
Methyl Tert Butyl Ether	7.71	8.63	0.893	ok	0.893	0.833-0.953
Nonane	16.03	14.71	1.090	ok	1.090	1.030-1.150
Pentane	6.14	8.63	0.711	ok	0.711	0.651-0.771
Propylene	3.96	8.63	0.459	ok	0.460	0.400-0.520
Styrene	15.71	14.71	1.068	ok	1.068	1.008-1.128
1,1,1-Trichloroethane	9.71	8.63	1.125	ok	1.125	1.065-1.185
1,1,2,2-Tetrachloroethane	15.81	14.71	1.075	ok	1.075	1.015-1.135
1,1,2-Trichloroethane	12.65	10.46	1.209	ok	1.210	1.150-1.270
1,2,4-Trichlorobenzene	20.31	14.71	1.381	ok	1.381	1.321-1.441
1,2,4-Trimethylbenzene	17.76	14.71	1.207	ok	1.208	1.148-1.268
1,3,5-Trimethylbenzene	17.30	14.71	1.176	ok	1.176	1.116-1.236
2,2,4-Trimethylpentane	11.17	10.46	1.068	ok	1.068	1.008-1.128
Tertiary Butyl Alcohol	6.42	8.63	0.744	ok	0.745	0.685-0.805
Tetrachloroethylene	14.06	14.71	0.956	ok	0.956	0.896-1.016
Tetrahydrofuran	9.14	8.63	1.059	ok	1.060	1.000-1.120
Toluene	12.92	10.46	1.235	ok	1.236	1.176-1.296
Trichloroethylene	11.15	10.46	1.066	ok	1.066	1.006-1.126
Trichlorofluoromethane	5.78	8.63	0.670	ok	0.670	0.610-0.730
Vinyl chloride	4.42	8.63	0.512	ok	0.512	0.452-0.572
Vinyl Acetate	7.79	8.63	0.903	ok	0.901	0.841-0.961
m,p-Xylene	15.33	14.71	1.042	ok	1.042	0.982-1.102
o-Xylene	15.83	14.71	1.076	ok	1.076	1.016-1.136

Internal Standard	RT (min.)		Mean RT(min.)	RT Range (+/- 0.33)	Area		Mean Area	Area Range (+/- 40 %)
Bromochloromethane	8.63	ok	8.61	8.28-8.94	163216	ok	146294	87776-204812
1,4-Difluorobenzene	10.46	ok	10.45	10.12-10.78	788263	ok	695163	417098-973228
Chlorobenzene-D5	14.71	ok	14.70	14.37-15.03	681218	ok	587971	352783-823159

Initial Calibration Retention Time/Internal Standard Area Summary

Job Number: M65795R
Account: GEI GEI Consultants, Inc.
Project: Indoor & Outdoor Air Samples Tufts St., Somerville MA

Sample Number	Lab File ID	Injected	By	Level	Inst ID	Method	
MSQ205-IC205	Q3817.D	06/27/07 11:33	PB	40	GCMSQ	TO-15	
MSQ205-IC205	Q3818.D	06/27/07 12:21	PB	20	GCMSQ	TO-15	
MSQ205-ICC205	Q3819.D	06/27/07 13:10	PB	10	GCMSQ	TO-15	Reporting this level
MSQ205-IC205	Q3820.D	06/27/07 14:02	PB	5	GCMSQ	TO-15	
MSQ205-IC205	Q3821.D	06/27/07 14:55	PB	2	GCMSQ	TO-15	
MSQ205-IC205	Q3822.D	06/27/07 15:52	PB	.5	GCMSQ	TO-15	
MSQ205-IC205	Q3823.D	06/27/07 16:40	PB	.2	GCMSQ	TO-15	

Target Compound	RT (min.)	Istd RT (min.)	Rel RT		Mean Rel RT	Rel RT Range (+/- .06)
Acetone	5.59	8.63	0.648	ok	0.648	0.588-0.708
1,3-Butadiene	4.55	8.63	0.527	ok	0.528	0.468-0.588
Benzene	10.14	10.46	0.969	ok	0.970	0.910-1.030
Bromodichloromethane	11.10	10.46	1.061	ok	1.062	1.002-1.122
Bromoform	15.43	14.71	1.049	ok	1.049	0.989-1.109
Bromomethane	4.83	8.63	0.560	ok	0.560	0.500-0.620
Bromoethene	5.36	8.63	0.621	ok	0.621	0.561-0.681
Benzyl Chloride	17.92	14.71	1.218	ok	1.217	1.157-1.277
Carbon disulfide	6.85	8.63	0.794	ok	0.794	0.734-0.854
Chlorobenzene	14.75	14.71	1.003	ok	1.003	0.943-1.063
Chloroethane	5.00	8.63	0.579	ok	0.579	0.519-0.639
Chloroform	8.75	8.63	1.014	ok	1.014	0.954-1.074
Chloromethane	4.19	8.63	0.486	ok	0.486	0.426-0.546
3-Chloropropene	6.65	8.63	0.771	ok	0.770	0.710-0.830
2-Chlorotoluene	17.02	14.71	1.157	ok	1.157	1.097-1.217
Carbon tetrachloride	10.29	8.63	1.192	ok	1.193	1.133-1.253
Cyclohexane	10.41	10.46	0.995	ok	0.995	0.935-1.055
1,1-Dichloroethane	7.65	8.63	0.886	ok	0.887	0.827-0.947
1,1-Dichloroethylene	6.42	8.63	0.744	ok	0.743	0.683-0.803
1,2-Dibromoethane	13.60	14.71	0.925	ok	0.925	0.865-0.985
1,2-Dichloroethane	9.46	8.63	1.096	ok	1.097	1.037-1.157
1,2-Dichloropropane	10.92	10.46	1.044	ok	1.044	0.984-1.104
1,4-Dioxane	11.14	10.46	1.065	ok	1.066	1.006-1.126
Dichlorodifluoromethane	4.03	8.63	0.467	ok	0.468	0.408-0.528
Dibromochloromethane	13.35	14.71	0.908	ok	0.908	0.848-0.968
trans-1,2-Dichloroethylene	7.46	8.63	0.864	ok	0.864	0.804-0.924
cis-1,2-Dichloroethylene	8.46	8.63	0.980	ok	0.981	0.921-1.041
cis-1,3-Dichloropropene	11.96	10.46	1.143	ok	1.144	1.084-1.204
m-Dichlorobenzene	17.94	14.71	1.220	ok	1.220	1.160-1.280
o-Dichlorobenzene	18.40	14.71	1.251	ok	1.252	1.192-1.312
p-Dichlorobenzene	18.02	14.71	1.225	ok	1.225	1.165-1.285
trans-1,3-Dichloropropene	12.46	10.46	1.191	ok	1.192	1.132-1.252
Ethanol	5.08	8.63	0.589	ok	0.590	0.530-0.650
Ethylbenzene	15.13	14.71	1.029	ok	1.029	0.969-1.089
Ethyl Acetate	8.65	8.63	1.002	ok	1.003	0.943-1.063
4-Ethyltoluene	17.21	14.71	1.170	ok	1.171	1.111-1.231
Freon 113	6.79	8.63	0.787	ok	0.786	0.726-0.846
Freon 114	4.29	8.63	0.497	ok	0.498	0.438-0.558
Heptane	11.40	10.46	1.090	ok	1.091	1.031-1.151
Hexachlorobutadiene	20.80	14.71	1.414	ok	1.415	1.355-1.475
Hexane	8.66	8.63	1.003	ok	1.004	0.944-1.064

Initial Calibration Retention Time/Internal Standard Area Summary

Job Number: M65795R
Account: GEI GEI Consultants, Inc.
Project: Indoor & Outdoor Air Samples Tufts St., Somerville MA

Sample Number	Lab File ID	Injected	By	Level	Inst ID	Method	
MSQ205-IC205	Q3817.D	06/27/07 11:33	PB	40	GCMSQ	TO-15	
MSQ205-IC205	Q3818.D	06/27/07 12:21	PB	20	GCMSQ	TO-15	
MSQ205-ICC205	Q3819.D	06/27/07 13:10	PB	10	GCMSQ	TO-15	Reporting this level
MSQ205-IC205	Q3820.D	06/27/07 14:02	PB	5	GCMSQ	TO-15	
MSQ205-IC205	Q3821.D	06/27/07 14:55	PB	2	GCMSQ	TO-15	
MSQ205-IC205	Q3822.D	06/27/07 15:52	PB	.5	GCMSQ	TO-15	
MSQ205-IC205	Q3823.D	06/27/07 16:40	PB	.2	GCMSQ	TO-15	

Target Compound	RT (min.)	Istd RT (min.)	Rel RT		Mean Rel RT	Rel RT Range (+/- .06)
2-Hexanone	13.14	14.71	0.893	ok	0.894	0.834-0.954
Isopropylbenzene	16.47	14.71	1.120	ok	1.120	1.060-1.180
Isopropyl Alcohol	5.81	8.63	0.673	ok	0.674	0.614-0.734
Methylene chloride	6.53	8.63	0.757	ok	0.756	0.696-0.816
Methyl ethyl ketone	8.02	8.63	0.929	ok	0.931	0.871-0.991
Methyl Isobutyl Ketone	11.98	10.46	1.145	ok	1.146	1.086-1.206
Methyl Tert Butyl Ether	7.70	8.63	0.892	ok	0.893	0.833-0.953
Nonane	16.03	14.71	1.090	ok	1.090	1.030-1.150
Pentane	6.14	8.63	0.711	ok	0.711	0.651-0.771
Propylene	3.96	8.63	0.459	ok	0.460	0.400-0.520
Styrene	15.71	14.71	1.068	ok	1.068	1.008-1.128
1,1,1-Trichloroethane	9.71	8.63	1.125	ok	1.125	1.065-1.185
1,1,2,2-Tetrachloroethane	15.81	14.71	1.075	ok	1.075	1.015-1.135
1,1,2-Trichloroethane	12.64	10.46	1.208	ok	1.210	1.150-1.270
1,2,4-Trichlorobenzene	20.31	14.71	1.381	ok	1.381	1.321-1.441
1,2,4-Trimethylbenzene	17.76	14.71	1.207	ok	1.208	1.148-1.268
1,3,5-Trimethylbenzene	17.29	14.71	1.175	ok	1.176	1.116-1.236
2,2,4-Trimethylpentane	11.16	10.46	1.067	ok	1.068	1.008-1.128
Tertiary Butyl Alcohol	6.42	8.63	0.744	ok	0.745	0.685-0.805
Tetrachloroethylene	14.06	14.71	0.956	ok	0.956	0.896-1.016
Tetrahydrofuran	9.14	8.63	1.059	ok	1.060	1.000-1.120
Toluene	12.92	10.46	1.235	ok	1.236	1.176-1.296
Trichloroethylene	11.14	10.46	1.065	ok	1.066	1.006-1.126
Trichlorofluoromethane	5.78	8.63	0.670	ok	0.670	0.610-0.730
Vinyl chloride	4.41	8.63	0.511	ok	0.512	0.452-0.572
Vinyl Acetate	7.78	8.63	0.902	ok	0.901	0.841-0.961
m,p-Xylene	15.33	14.71	1.042	ok	1.042	0.982-1.102
o-Xylene	15.82	14.71	1.075	ok	1.076	1.016-1.136

Internal Standard	RT (min.)		Mean RT(min.)	RT Range (+/- 0.33)	Area		Mean Area	Area Range (+/- 40 %)
Bromochloromethane	8.63	ok	8.61	8.28-8.94	151304	ok	146294	87776-204812
1,4-Difluorobenzene	10.46	ok	10.45	10.12-10.78	722387	ok	695163	417098-973228
Chlorobenzene-D5	14.71	ok	14.70	14.37-15.03	615880	ok	587971	352783-823159

Initial Calibration Retention Time/Internal Standard Area Summary

Job Number: M65795R
Account: GEI GEI Consultants, Inc.
Project: Indoor & Outdoor Air Samples Tufts St., Somerville MA

Sample Number	Lab File ID	Injected	By	Level	Inst ID	Method	
MSQ205-IC205	Q3817.D	06/27/07 11:33	PB	40	GCMSQ	TO-15	
MSQ205-IC205	Q3818.D	06/27/07 12:21	PB	20	GCMSQ	TO-15	
MSQ205-ICC205	Q3819.D	06/27/07 13:10	PB	10	GCMSQ	TO-15	
MSQ205-IC205	Q3820.D	06/27/07 14:02	PB	5	GCMSQ	TO-15	Reporting this level
MSQ205-IC205	Q3821.D	06/27/07 14:55	PB	2	GCMSQ	TO-15	
MSQ205-IC205	Q3822.D	06/27/07 15:52	PB	.5	GCMSQ	TO-15	
MSQ205-IC205	Q3823.D	06/27/07 16:40	PB	.2	GCMSQ	TO-15	

Target Compound	RT (min.)	Istd RT (min.)	Rel RT		Mean Rel RT	Rel RT Range (+/- .06)
Acetone	5.58	8.62	0.647	ok	0.648	0.588-0.708
1,3-Butadiene	4.55	8.62	0.528	ok	0.528	0.468-0.588
Benzene	10.13	10.45	0.969	ok	0.970	0.910-1.030
Bromodichloromethane	11.10	10.45	1.062	ok	1.062	1.002-1.122
Bromoform	15.42	14.70	1.049	ok	1.049	0.989-1.109
Bromomethane	4.82	8.62	0.559	ok	0.560	0.500-0.620
Bromoethene	5.35	8.62	0.621	ok	0.621	0.561-0.681
Benzyl Chloride	17.92	14.70	1.219	ok	1.217	1.157-1.277
Carbon disulfide	6.84	8.62	0.794	ok	0.794	0.734-0.854
Chlorobenzene	14.75	14.70	1.003	ok	1.003	0.943-1.063
Chloroethane	4.99	8.62	0.579	ok	0.579	0.519-0.639
Chloroform	8.74	8.62	1.014	ok	1.014	0.954-1.074
Chloromethane	4.19	8.62	0.486	ok	0.486	0.426-0.546
3-Chloropropene	6.64	8.62	0.770	ok	0.770	0.710-0.830
2-Chlorotoluene	17.02	14.70	1.158	ok	1.157	1.097-1.217
Carbon tetrachloride	10.28	8.62	1.193	ok	1.193	1.133-1.253
Cyclohexane	10.40	10.45	0.995	ok	0.995	0.935-1.055
1,1-Dichloroethane	7.65	8.62	0.887	ok	0.887	0.827-0.947
1,1-Dichloroethylene	6.41	8.62	0.744	ok	0.743	0.683-0.803
1,2-Dibromoethane	13.60	14.70	0.925	ok	0.925	0.865-0.985
1,2-Dichloroethane	9.45	8.62	1.096	ok	1.097	1.037-1.157
1,2-Dichloropropane	10.91	10.45	1.044	ok	1.044	0.984-1.104
1,4-Dioxane	11.13	10.45	1.065	ok	1.066	1.006-1.126
Dichlorodifluoromethane	4.03	8.62	0.468	ok	0.468	0.408-0.528
Dibromochloromethane	13.35	14.70	0.908	ok	0.908	0.848-0.968
trans-1,2-Dichloroethylene	7.45	8.62	0.864	ok	0.864	0.804-0.924
cis-1,2-Dichloroethylene	8.45	8.62	0.980	ok	0.981	0.921-1.041
cis-1,3-Dichloropropene	11.95	10.45	1.144	ok	1.144	1.084-1.204
m-Dichlorobenzene	17.94	14.70	1.220	ok	1.220	1.160-1.280
o-Dichlorobenzene	18.40	14.70	1.252	ok	1.252	1.192-1.312
p-Dichlorobenzene	18.02	14.70	1.226	ok	1.225	1.165-1.285
trans-1,3-Dichloropropene	12.46	10.45	1.192	ok	1.192	1.132-1.252
Ethanol	5.08	8.62	0.589	ok	0.590	0.530-0.650
Ethylbenzene	15.13	14.70	1.029	ok	1.029	0.969-1.089
Ethyl Acetate	8.65	8.62	1.003	ok	1.003	0.943-1.063
4-Ethyltoluene	17.21	14.70	1.171	ok	1.171	1.111-1.231
Freon 113	6.78	8.62	0.787	ok	0.786	0.726-0.846
Freon 114	4.29	8.62	0.498	ok	0.498	0.438-0.558
Heptane	11.40	10.45	1.091	ok	1.091	1.031-1.151
Hexachlorobutadiene	20.80	14.70	1.415	ok	1.415	1.355-1.475
Hexane	8.65	8.62	1.003	ok	1.004	0.944-1.064

Initial Calibration Retention Time/Internal Standard Area Summary

Job Number: M65795R
Account: GEI GEI Consultants, Inc.
Project: Indoor & Outdoor Air Samples Tufts St., Somerville MA

Sample Number	Lab File ID	Injected	By	Level	Inst ID	Method	
MSQ205-IC205	Q3817.D	06/27/07 11:33	PB	40	GCMSQ	TO-15	
MSQ205-IC205	Q3818.D	06/27/07 12:21	PB	20	GCMSQ	TO-15	
MSQ205-ICC205	Q3819.D	06/27/07 13:10	PB	10	GCMSQ	TO-15	
MSQ205-IC205	Q3820.D	06/27/07 14:02	PB	5	GCMSQ	TO-15	Reporting this level
MSQ205-IC205	Q3821.D	06/27/07 14:55	PB	2	GCMSQ	TO-15	
MSQ205-IC205	Q3822.D	06/27/07 15:52	PB	.5	GCMSQ	TO-15	
MSQ205-IC205	Q3823.D	06/27/07 16:40	PB	.2	GCMSQ	TO-15	

Target Compound	RT (min.)	Istd RT (min.)	Rel RT		Mean Rel RT	Rel RT Range (+/- .06)
2-Hexanone	13.14	14.70	0.894	ok	0.894	0.834-0.954
Isopropylbenzene	16.47	14.70	1.120	ok	1.120	1.060-1.180
Isopropyl Alcohol	5.81	8.62	0.674	ok	0.674	0.614-0.734
Methylene chloride	6.52	8.62	0.756	ok	0.756	0.696-0.816
Methyl ethyl ketone	8.02	8.62	0.930	ok	0.931	0.871-0.991
Methyl Isobutyl Ketone	11.97	10.45	1.145	ok	1.146	1.086-1.206
Methyl Tert Butyl Ether	7.69	8.62	0.892	ok	0.893	0.833-0.953
Nonane	16.03	14.70	1.090	ok	1.090	1.030-1.150
Pentane	6.13	8.62	0.711	ok	0.711	0.651-0.771
Propylene	3.96	8.62	0.459	ok	0.460	0.400-0.520
Styrene	15.71	14.70	1.069	ok	1.068	1.008-1.128
1,1,1-Trichloroethane	9.70	8.62	1.125	ok	1.125	1.065-1.185
1,1,2,2-Tetrachloroethane	15.81	14.70	1.076	ok	1.075	1.015-1.135
1,1,2-Trichloroethane	12.64	10.45	1.210	ok	1.210	1.150-1.270
1,2,4-Trichlorobenzene	20.31	14.70	1.382	ok	1.381	1.321-1.441
1,2,4-Trimethylbenzene	17.76	14.70	1.208	ok	1.208	1.148-1.268
1,3,5-Trimethylbenzene	17.29	14.70	1.176	ok	1.176	1.116-1.236
2,2,4-Trimethylpentane	11.16	10.45	1.068	ok	1.068	1.008-1.128
Tertiary Butyl Alcohol	6.42	8.62	0.745	ok	0.745	0.685-0.805
Tetrachloroethylene	14.05	14.70	0.956	ok	0.956	0.896-1.016
Tetrahydrofuran	9.13	8.62	1.059	ok	1.060	1.000-1.120
Toluene	12.92	10.45	1.236	ok	1.236	1.176-1.296
Trichloroethylene	11.14	10.45	1.066	ok	1.066	1.006-1.126
Trichlorofluoromethane	5.78	8.62	0.671	ok	0.670	0.610-0.730
Vinyl chloride	4.41	8.62	0.512	ok	0.512	0.452-0.572
Vinyl Acetate	7.77	8.62	0.901	ok	0.901	0.841-0.961
m,p-Xylene	15.30	14.70	1.041	ok	1.042	0.982-1.102
o-Xylene	15.82	14.70	1.076	ok	1.076	1.016-1.136

Internal Standard	RT (min.)		Mean RT(min.)	RT Range (+/- 0.33)	Area		Mean Area	Area Range (+/- 40 %)
Bromochloromethane	8.62	ok	8.61	8.28-8.94	155097	ok	146294	87776-204812
1,4-Difluorobenzene	10.45	ok	10.45	10.12-10.78	746537	ok	695163	417098-973228
Chlorobenzene-D5	14.70	ok	14.70	14.37-15.03	628368	ok	587971	352783-823159

Initial Calibration Retention Time/Internal Standard Area Summary

Job Number: M65795R
Account: GEI GEI Consultants, Inc.
Project: Indoor & Outdoor Air Samples Tufts St., Somerville MA

Sample Number	Lab File ID	Injected	By	Level	Inst ID	Method	
MSQ205-IC205	Q3817.D	06/27/07 11:33	PB	40	GCMSQ	TO-15	
MSQ205-IC205	Q3818.D	06/27/07 12:21	PB	20	GCMSQ	TO-15	
MSQ205-ICC205	Q3819.D	06/27/07 13:10	PB	10	GCMSQ	TO-15	
MSQ205-IC205	Q3820.D	06/27/07 14:02	PB	5	GCMSQ	TO-15	
MSQ205-IC205	Q3821.D	06/27/07 14:55	PB	2	GCMSQ	TO-15	Reporting this level
MSQ205-IC205	Q3822.D	06/27/07 15:52	PB	.5	GCMSQ	TO-15	
MSQ205-IC205	Q3823.D	06/27/07 16:40	PB	.2	GCMSQ	TO-15	

Target Compound	RT (min.)	Istd RT (min.)	Rel RT		Mean Rel RT	Rel RT Range (+/- .06)
Acetone	5.58	8.61	0.648	ok	0.648	0.588-0.708
1,3-Butadiene	4.54	8.61	0.527	ok	0.528	0.468-0.588
Benzene	10.13	10.44	0.970	ok	0.970	0.910-1.030
Bromodichloromethane	11.09	10.44	1.062	ok	1.062	1.002-1.122
Bromoform	15.42	14.70	1.049	ok	1.049	0.989-1.109
Bromomethane	4.82	8.61	0.560	ok	0.560	0.500-0.620
Bromoethene	5.35	8.61	0.621	ok	0.621	0.561-0.681
Benzyl Chloride	17.92	14.70	1.219	ok	1.217	1.157-1.277
Carbon disulfide	6.83	8.61	0.793	ok	0.794	0.734-0.854
Chlorobenzene	14.75	14.70	1.003	ok	1.003	0.943-1.063
Chloroethane	4.99	8.61	0.580	ok	0.579	0.519-0.639
Chloroform	8.73	8.61	1.014	ok	1.014	0.954-1.074
Chloromethane	4.18	8.61	0.485	ok	0.486	0.426-0.546
3-Chloropropene	6.63	8.61	0.770	ok	0.770	0.710-0.830
2-Chlorotoluene	17.02	14.70	1.158	ok	1.157	1.097-1.217
Carbon tetrachloride	10.27	8.61	1.193	ok	1.193	1.133-1.253
Cyclohexane	10.39	10.44	0.995	ok	0.995	0.935-1.055
1,1-Dichloroethane	7.63	8.61	0.886	ok	0.887	0.827-0.947
1,1-Dichloroethylene	6.40	8.61	0.743	ok	0.743	0.683-0.803
1,2-Dibromoethane	13.59	14.70	0.924	ok	0.925	0.865-0.985
1,2-Dichloroethane	9.44	8.61	1.096	ok	1.097	1.037-1.157
1,2-Dichloropropane	10.90	10.44	1.044	ok	1.044	0.984-1.104
1,4-Dioxane	11.12	10.44	1.065	ok	1.066	1.006-1.126
Dichlorodifluoromethane	4.03	8.61	0.468	ok	0.468	0.408-0.528
Dibromochloromethane	13.34	14.70	0.907	ok	0.908	0.848-0.968
trans-1,2-Dichloroethylene	7.44	8.61	0.864	ok	0.864	0.804-0.924
cis-1,2-Dichloroethylene	8.45	8.61	0.981	ok	0.981	0.921-1.041
cis-1,3-Dichloropropene	11.95	10.44	1.145	ok	1.144	1.084-1.204
m-Dichlorobenzene	17.94	14.70	1.220	ok	1.220	1.160-1.280
o-Dichlorobenzene	18.40	14.70	1.252	ok	1.252	1.192-1.312
p-Dichlorobenzene	18.01	14.70	1.225	ok	1.225	1.165-1.285
trans-1,3-Dichloropropene	12.45	10.44	1.193	ok	1.192	1.132-1.252
Ethanol	5.08	8.61	0.590	ok	0.590	0.530-0.650
Ethylbenzene	15.12	14.70	1.029	ok	1.029	0.969-1.089
Ethyl Acetate	8.64	8.61	1.003	ok	1.003	0.943-1.063
4-Ethyltoluene	17.21	14.70	1.171	ok	1.171	1.111-1.231
Freon 113	6.77	8.61	0.786	ok	0.786	0.726-0.846
Freon 114	4.28	8.61	0.497	ok	0.498	0.438-0.558
Heptane	11.39	10.44	1.091	ok	1.091	1.031-1.151
Hexachlorobutadiene	20.80	14.70	1.415	ok	1.415	1.355-1.475
Hexane	8.64	8.61	1.003	ok	1.004	0.944-1.064

Initial Calibration Retention Time/Internal Standard Area Summary

Job Number: M65795R
Account: GEI GEI Consultants, Inc.
Project: Indoor & Outdoor Air Samples Tufts St., Somerville MA

Sample Number	Lab File ID	Injected	By	Level	Inst ID	Method	
MSQ205-IC205	Q3817.D	06/27/07 11:33	PB	40	GCMSQ	TO-15	
MSQ205-IC205	Q3818.D	06/27/07 12:21	PB	20	GCMSQ	TO-15	
MSQ205-ICC205	Q3819.D	06/27/07 13:10	PB	10	GCMSQ	TO-15	
MSQ205-IC205	Q3820.D	06/27/07 14:02	PB	5	GCMSQ	TO-15	
MSQ205-IC205	Q3821.D	06/27/07 14:55	PB	2	GCMSQ	TO-15	Reporting this level
MSQ205-IC205	Q3822.D	06/27/07 15:52	PB	.5	GCMSQ	TO-15	
MSQ205-IC205	Q3823.D	06/27/07 16:40	PB	.2	GCMSQ	TO-15	

Target Compound	RT (min.)	Istd RT (min.)	Rel RT		Mean Rel RT	Rel RT Range (+/- .06)
2-Hexanone	13.14	14.70	0.894	ok	0.894	0.834-0.954
Isopropylbenzene	16.47	14.70	1.120	ok	1.120	1.060-1.180
Isopropyl Alcohol	5.81	8.61	0.675	ok	0.674	0.614-0.734
Methylene chloride	6.51	8.61	0.756	ok	0.756	0.696-0.816
Methyl ethyl ketone	8.02	8.61	0.931	ok	0.931	0.871-0.991
Methyl Isobutyl Ketone	11.97	10.44	1.147	ok	1.146	1.086-1.206
Methyl Tert Butyl Ether	7.68	8.61	0.892	ok	0.893	0.833-0.953
Nonane	16.02	14.70	1.090	ok	1.090	1.030-1.150
Pentane	6.12	8.61	0.711	ok	0.711	0.651-0.771
Propylene	3.96	8.61	0.460	ok	0.460	0.400-0.520
Styrene	15.70	14.70	1.068	ok	1.068	1.008-1.128
1,1,1-Trichloroethane	9.69	8.61	1.125	ok	1.125	1.065-1.185
1,1,2,2-Tetrachloroethane	15.81	14.70	1.076	ok	1.075	1.015-1.135
1,1,2-Trichloroethane	12.63	10.44	1.210	ok	1.210	1.150-1.270
1,2,4-Trichlorobenzene	20.30	14.70	1.381	ok	1.381	1.321-1.441
1,2,4-Trimethylbenzene	17.76	14.70	1.208	ok	1.208	1.148-1.268
1,3,5-Trimethylbenzene	17.29	14.70	1.176	ok	1.176	1.116-1.236
2,2,4-Trimethylpentane	11.15	10.44	1.068	ok	1.068	1.008-1.128
Tertiary Butyl Alcohol	6.41	8.61	0.744	ok	0.745	0.685-0.805
Tetrachloroethylene	14.05	14.70	0.956	ok	0.956	0.896-1.016
Tetrahydrofuran	9.13	8.61	1.060	ok	1.060	1.000-1.120
Toluene	12.91	10.44	1.237	ok	1.236	1.176-1.296
Trichloroethylene	11.13	10.44	1.066	ok	1.066	1.006-1.126
Trichlorofluoromethane	5.76	8.61	0.669	ok	0.670	0.610-0.730
Vinyl chloride	4.41	8.61	0.512	ok	0.512	0.452-0.572
Vinyl Acetate	7.76	8.61	0.901	ok	0.901	0.841-0.961
m,p-Xylene	15.31	14.70	1.041	ok	1.042	0.982-1.102
o-Xylene	15.82	14.70	1.076	ok	1.076	1.016-1.136

Internal Standard	RT (min.)		Mean RT(min.)	RT Range (+/- 0.33)	Area		Mean Area	Area Range (+/- 40 %)
Bromochloromethane	8.61	ok	8.61	8.28-8.94	130219	ok	146294	87776-204812
1,4-Difluorobenzene	10.44	ok	10.45	10.12-10.78	605152	ok	695163	417098-973228
Chlorobenzene-D5	14.70	ok	14.70	14.37-15.03	507923	ok	587971	352783-823159

Initial Calibration Retention Time/Internal Standard Area Summary

Job Number: M65795R
Account: GEI GEI Consultants, Inc.
Project: Indoor & Outdoor Air Samples Tufts St., Somerville MA

Sample Number	Lab File ID	Injected	By	Level	Inst ID	Method	
MSQ205-IC205	Q3817.D	06/27/07 11:33	PB	40	GCMSQ	TO-15	
MSQ205-IC205	Q3818.D	06/27/07 12:21	PB	20	GCMSQ	TO-15	
MSQ205-ICC205	Q3819.D	06/27/07 13:10	PB	10	GCMSQ	TO-15	
MSQ205-IC205	Q3820.D	06/27/07 14:02	PB	5	GCMSQ	TO-15	
MSQ205-IC205	Q3821.D	06/27/07 14:55	PB	2	GCMSQ	TO-15	
MSQ205-IC205	Q3822.D	06/27/07 15:52	PB	.5	GCMSQ	TO-15	Reporting this level
MSQ205-IC205	Q3823.D	06/27/07 16:40	PB	.2	GCMSQ	TO-15	

Target Compound	RT (min.)	Istd RT (min.)	Rel RT		Mean Rel RT	Rel RT Range (+/- .06)
Acetone	5.58	8.60	0.649	ok	0.648	0.588-0.708
1,3-Butadiene	4.54	8.60	0.528	ok	0.528	0.468-0.588
Benzene	10.12	10.43	0.970	ok	0.970	0.910-1.030
Bromodichloromethane	11.08	10.43	1.062	ok	1.062	1.002-1.122
Bromoform	15.41	14.70	1.048	ok	1.049	0.989-1.109
Bromomethane	4.81	8.60	0.559	ok	0.560	0.500-0.620
Bromoethene	5.34	8.60	0.621	ok	0.621	0.561-0.681
Benzyl Chloride	17.92	14.70	1.219	ok	1.217	1.157-1.277
Carbon disulfide	6.82	8.60	0.793	ok	0.794	0.734-0.854
Chlorobenzene	14.75	14.70	1.003	ok	1.003	0.943-1.063
Chloroethane	4.98	8.60	0.579	ok	0.579	0.519-0.639
Chloroform	8.72	8.60	1.014	ok	1.014	0.954-1.074
Chloromethane	4.19	8.60	0.487	ok	0.486	0.426-0.546
3-Chloropropene	6.62	8.60	0.770	ok	0.770	0.710-0.830
2-Chlorotoluene	17.01	14.70	1.157	ok	1.157	1.097-1.217
Carbon tetrachloride	10.27	8.60	1.194	ok	1.193	1.133-1.253
Cyclohexane	10.39	10.43	0.996	ok	0.995	0.935-1.055
1,1-Dichloroethane	7.63	8.60	0.887	ok	0.887	0.827-0.947
1,1-Dichloroethylene	6.40	8.60	0.744	ok	0.743	0.683-0.803
1,2-Dibromoethane	13.59	14.70	0.924	ok	0.925	0.865-0.985
1,2-Dichloroethane	9.44	8.60	1.098	ok	1.097	1.037-1.157
1,2-Dichloropropane	10.90	10.43	1.045	ok	1.044	0.984-1.104
1,4-Dioxane	11.14	10.43	1.068	ok	1.066	1.006-1.126
Dichlorodifluoromethane	4.03	8.60	0.469	ok	0.468	0.408-0.528
Dibromochloromethane	13.33	14.70	0.907	ok	0.908	0.848-0.968
trans-1,2-Dichloroethylene	7.43	8.60	0.864	ok	0.864	0.804-0.924
cis-1,2-Dichloroethylene	8.44	8.60	0.981	ok	0.981	0.921-1.041
cis-1,3-Dichloropropene	11.94	10.43	1.145	ok	1.144	1.084-1.204
m-Dichlorobenzene	17.94	14.70	1.220	ok	1.220	1.160-1.280
o-Dichlorobenzene	18.40	14.70	1.252	ok	1.252	1.192-1.312
p-Dichlorobenzene	18.01	14.70	1.225	ok	1.225	1.165-1.285
trans-1,3-Dichloropropene	12.45	10.43	1.194	ok	1.192	1.132-1.252
Ethanol	5.08	8.60	0.591	ok	0.590	0.530-0.650
Ethylbenzene	15.13	14.70	1.029	ok	1.029	0.969-1.089
Ethyl Acetate	8.64	8.60	1.005	ok	1.003	0.943-1.063
4-Ethyltoluene	17.21	14.70	1.171	ok	1.171	1.111-1.231
Freon 113	6.76	8.60	0.786	ok	0.786	0.726-0.846
Freon 114	4.28	8.60	0.498	ok	0.498	0.438-0.558
Heptane	11.38	10.43	1.091	ok	1.091	1.031-1.151
Hexachlorobutadiene	20.80	14.70	1.415	ok	1.415	1.355-1.475
Hexane	8.64	8.60	1.005	ok	1.004	0.944-1.064

Initial Calibration Retention Time/Internal Standard Area Summary

Job Number: M65795R
Account: GEI GEI Consultants, Inc.
Project: Indoor & Outdoor Air Samples Tufts St., Somerville MA

Sample Number	Lab File ID	Injected	By	Level	Inst ID	Method	
MSQ205-IC205	Q3817.D	06/27/07 11:33	PB	40	GCMSQ	TO-15	
MSQ205-IC205	Q3818.D	06/27/07 12:21	PB	20	GCMSQ	TO-15	
MSQ205-ICC205	Q3819.D	06/27/07 13:10	PB	10	GCMSQ	TO-15	
MSQ205-IC205	Q3820.D	06/27/07 14:02	PB	5	GCMSQ	TO-15	
MSQ205-IC205	Q3821.D	06/27/07 14:55	PB	2	GCMSQ	TO-15	
MSQ205-IC205	Q3822.D	06/27/07 15:52	PB	.5	GCMSQ	TO-15	Reporting this level
MSQ205-IC205	Q3823.D	06/27/07 16:40	PB	.2	GCMSQ	TO-15	

Target Compound	RT (min.)	Istd RT (min.)	Rel RT		Mean Rel RT	Rel RT Range (+/- .06)
2-Hexanone	13.15	14.70	0.895	ok	0.894	0.834-0.954
Isopropylbenzene	16.47	14.70	1.120	ok	1.120	1.060-1.180
Isopropyl Alcohol	5.81	8.60	0.676	ok	0.674	0.614-0.734
Methylene chloride	6.50	8.60	0.756	ok	0.756	0.696-0.816
Methyl ethyl ketone	8.01	8.60	0.931	ok	0.931	0.871-0.991
Methyl Isobutyl Ketone	11.97	10.43	1.148	ok	1.146	1.086-1.206
Methyl Tert Butyl Ether	7.69	8.60	0.894	ok	0.893	0.833-0.953
Nonane	16.02	14.70	1.090	ok	1.090	1.030-1.150
Pentane	6.11	8.60	0.710	ok	0.711	0.651-0.771
Propylene	3.96	8.60	0.460	ok	0.460	0.400-0.520
Styrene	15.70	14.70	1.068	ok	1.068	1.008-1.128
1,1,1-Trichloroethane	9.68	8.60	1.126	ok	1.125	1.065-1.185
1,1,2,2-Tetrachloroethane	15.81	14.70	1.076	ok	1.075	1.015-1.135
1,1,2-Trichloroethane	12.63	10.43	1.211	ok	1.210	1.150-1.270
1,2,4-Trichlorobenzene	20.31	14.70	1.382	ok	1.381	1.321-1.441
1,2,4-Trimethylbenzene	17.75	14.70	1.207	ok	1.208	1.148-1.268
1,3,5-Trimethylbenzene	17.29	14.70	1.176	ok	1.176	1.116-1.236
2,2,4-Trimethylpentane	11.15	10.43	1.069	ok	1.068	1.008-1.128
Tertiary Butyl Alcohol	6.42	8.60	0.747	ok	0.745	0.685-0.805
Tetrachloroethylene	14.05	14.70	0.956	ok	0.956	0.896-1.016
Tetrahydrofuran	9.13	8.60	1.062	ok	1.060	1.000-1.120
Toluene	12.91	10.43	1.238	ok	1.236	1.176-1.296
Trichloroethylene	11.13	10.43	1.067	ok	1.066	1.006-1.126
Trichlorofluoromethane	5.76	8.60	0.670	ok	0.670	0.610-0.730
Vinyl chloride	4.40	8.60	0.512	ok	0.512	0.452-0.572
Vinyl Acetate	7.75	8.60	0.901	ok	0.901	0.841-0.961
m,p-Xylene	15.30	14.70	1.041	ok	1.042	0.982-1.102
o-Xylene	15.82	14.70	1.076	ok	1.076	1.016-1.136

Internal Standard	RT (min.)		Mean RT(min.)	RT Range (+/- 0.33)	Area		Mean Area	Area Range (+/- 40 %)
Bromochloromethane	8.60	ok	8.61	8.28-8.94	142407	ok	146294	87776-204812
1,4-Difluorobenzene	10.43	ok	10.45	10.12-10.78	633957	ok	695163	417098-973228
Chlorobenzene-D5	14.70	ok	14.70	14.37-15.03	524787	ok	587971	352783-823159

Initial Calibration Retention Time/Internal Standard Area Summary

Job Number: M65795R
Account: GEI GEI Consultants, Inc.
Project: Indoor & Outdoor Air Samples Tufts St., Somerville MA

Sample Number	Lab File ID	Injected	By	Level	Inst ID	Method	
MSQ205-IC205	Q3817.D	06/27/07 11:33	PB	40	GCMSQ	TO-15	
MSQ205-IC205	Q3818.D	06/27/07 12:21	PB	20	GCMSQ	TO-15	
MSQ205-ICC205	Q3819.D	06/27/07 13:10	PB	10	GCMSQ	TO-15	
MSQ205-IC205	Q3820.D	06/27/07 14:02	PB	5	GCMSQ	TO-15	
MSQ205-IC205	Q3821.D	06/27/07 14:55	PB	2	GCMSQ	TO-15	
MSQ205-IC205	Q3822.D	06/27/07 15:52	PB	.5	GCMSQ	TO-15	
MSQ205-IC205	Q3823.D	06/27/07 16:40	PB	.2	GCMSQ	TO-15	Reporting this level

Target Compound	RT (min.)	Istd RT (min.)	Rel RT		Mean Rel RT	Rel RT Range (+/- .06)
Acetone	5.55	8.57	0.648	ok	0.648	0.588-0.708
1,3-Butadiene	4.53	8.57	0.529	ok	0.528	0.468-0.588
Benzene	10.10	10.41	0.970	ok	0.970	0.910-1.030
Bromodichloromethane	11.06	10.41	1.062	ok	1.062	1.002-1.122
Bromoform	15.41	14.69	1.049	ok	1.049	0.989-1.109
Bromomethane	4.79	8.57	0.559	ok	0.560	0.500-0.620
Bromoethene	5.31	8.57	0.620	ok	0.621	0.561-0.681
Benzyl Chloride	17.76	14.69	1.209	ok	1.217	1.157-1.277
Carbon disulfide	6.79	8.57	0.792	ok	0.794	0.734-0.854
Chlorobenzene	14.73	14.69	1.003	ok	1.003	0.943-1.063
Chloroethane	4.95	8.57	0.578	ok	0.579	0.519-0.639
Chloroform	8.69	8.57	1.014	ok	1.014	0.954-1.074
Chloromethane	4.18	8.57	0.488	ok	0.486	0.426-0.546
3-Chloropropene	6.58	8.57	0.768	ok	0.770	0.710-0.830
2-Chlorotoluene	17.01	14.69	1.158	ok	1.157	1.097-1.217
Carbon tetrachloride	10.24	8.57	1.195	ok	1.193	1.133-1.253
Cyclohexane	10.36	10.41	0.995	ok	0.995	0.935-1.055
1,1-Dichloroethane	7.60	8.57	0.887	ok	0.887	0.827-0.947
1,1-Dichloroethylene	6.36	8.57	0.742	ok	0.743	0.683-0.803
1,2-Dibromoethane	13.58	14.69	0.924	ok	0.925	0.865-0.985
1,2-Dichloroethane	9.40	8.57	1.097	ok	1.097	1.037-1.157
1,2-Dichloropropane	10.87	10.41	1.044	ok	1.044	0.984-1.104
1,4-Dioxane	11.12	10.41	1.068	ok	1.066	1.006-1.126
Dichlorodifluoromethane	4.02	8.57	0.469	ok	0.468	0.408-0.528
Dibromochloromethane	13.32	14.69	0.907	ok	0.908	0.848-0.968
trans-1,2-Dichloroethylene	7.40	8.57	0.863	ok	0.864	0.804-0.924
cis-1,2-Dichloroethylene	8.40	8.57	0.980	ok	0.981	0.921-1.041
cis-1,3-Dichloropropene	11.92	10.41	1.145	ok	1.144	1.084-1.204
m-Dichlorobenzene	17.94	14.69	1.221	ok	1.220	1.160-1.280
o-Dichlorobenzene	18.40	14.69	1.253	ok	1.252	1.192-1.312
p-Dichlorobenzene	18.02	14.69	1.227	ok	1.225	1.165-1.285
trans-1,3-Dichloropropene	12.42	10.41	1.193	ok	1.192	1.132-1.252
Ethanol	5.05	8.57	0.589	ok	0.590	0.530-0.650
Ethylbenzene	15.12	14.69	1.029	ok	1.029	0.969-1.089
Ethyl Acetate	8.60	8.57	1.004	ok	1.003	0.943-1.063
4-Ethyltoluene	17.21	14.69	1.172	ok	1.171	1.111-1.231
Freon 113	6.73	8.57	0.785	ok	0.786	0.726-0.846
Freon 114	4.28	8.57	0.499	ok	0.498	0.438-0.558
Heptane	11.36	10.41	1.091	ok	1.091	1.031-1.151
Hexachlorobutadiene	20.80	14.69	1.416	ok	1.415	1.355-1.475
Hexane	8.60	8.57	1.004	ok	1.004	0.944-1.064

Initial Calibration Retention Time/Internal Standard Area Summary

Job Number: M65795R
Account: GEI GEI Consultants, Inc.
Project: Indoor & Outdoor Air Samples Tufts St., Somerville MA

Sample Number	Lab File ID	Injected	By	Level	Inst ID	Method	
MSQ205-IC205	Q3817.D	06/27/07 11:33	PB	40	GCMSQ	TO-15	
MSQ205-IC205	Q3818.D	06/27/07 12:21	PB	20	GCMSQ	TO-15	
MSQ205-ICC205	Q3819.D	06/27/07 13:10	PB	10	GCMSQ	TO-15	
MSQ205-IC205	Q3820.D	06/27/07 14:02	PB	5	GCMSQ	TO-15	
MSQ205-IC205	Q3821.D	06/27/07 14:55	PB	2	GCMSQ	TO-15	
MSQ205-IC205	Q3822.D	06/27/07 15:52	PB	.5	GCMSQ	TO-15	
MSQ205-IC205	Q3823.D	06/27/07 16:40	PB	.2	GCMSQ	TO-15	Reporting this level

Target Compound	RT (min.)	Istd RT (min.)	Rel RT		Mean Rel RT	Rel RT Range (+/- .06)
2-Hexanone	13.13	14.69	0.894	ok	0.894	0.834-0.954
Isopropylbenzene	16.46	14.69	1.120	ok	1.120	1.060-1.180
Isopropyl Alcohol	5.78	8.57	0.674	ok	0.674	0.614-0.734
Methylene chloride	6.47	8.57	0.755	ok	0.756	0.696-0.816
Methyl ethyl ketone	7.98	8.57	0.931	ok	0.931	0.871-0.991
Methyl Isobutyl Ketone	11.95	10.41	1.148	ok	1.146	1.086-1.206
Methyl Tert Butyl Ether	7.66	8.57	0.894	ok	0.893	0.833-0.953
Nonane	16.01	14.69	1.090	ok	1.090	1.030-1.150
Pentane	6.07	8.57	0.708	ok	0.711	0.651-0.771
Propylene	3.95	8.57	0.461	ok	0.460	0.400-0.520
Styrene	15.68	14.69	1.067	ok	1.068	1.008-1.128
1,1,1-Trichloroethane	9.66	8.57	1.127	ok	1.125	1.065-1.185
1,1,2,2-Tetrachloroethane	15.80	14.69	1.076	ok	1.075	1.015-1.135
1,1,2-Trichloroethane	12.62	10.41	1.212	ok	1.210	1.150-1.270
1,2,4-Trichlorobenzene	20.31	14.69	1.383	ok	1.381	1.321-1.441
1,2,4-Trimethylbenzene	17.75	14.69	1.208	ok	1.208	1.148-1.268
1,3,5-Trimethylbenzene	17.29	14.69	1.177	ok	1.176	1.116-1.236
2,2,4-Trimethylpentane	11.12	10.41	1.068	ok	1.068	1.008-1.128
Tertiary Butyl Alcohol	6.39	8.57	0.746	ok	0.745	0.685-0.805
Tetrachloroethylene	14.03	14.69	0.955	ok	0.956	0.896-1.016
Tetrahydrofuran	9.11	8.57	1.063	ok	1.060	1.000-1.120
Toluene	12.89	10.41	1.238	ok	1.236	1.176-1.296
Trichloroethylene	11.10	10.41	1.066	ok	1.066	1.006-1.126
Trichlorofluoromethane	5.73	8.57	0.669	ok	0.670	0.610-0.730
Vinyl chloride	4.39	8.57	0.512	ok	0.512	0.452-0.572
Vinyl Acetate	7.72	8.57	0.901	ok	0.901	0.841-0.961
m,p-Xylene	15.30	14.69	1.042	ok	1.042	0.982-1.102
o-Xylene	15.82	14.69	1.077	ok	1.076	1.016-1.136

Internal Standard	RT (min.)		Mean RT(min.)	RT Range (+/- 0.33)	Area		Mean Area	Area Range (+/- 40 %)
Bromochloromethane	8.57	ok	8.61	8.28-8.94	125809	ok	146294	87776-204812
1,4-Difluorobenzene	10.41	ok	10.45	10.12-10.78	578831	ok	695163	417098-973228
Chlorobenzene-D5	14.69	ok	14.70	14.37-15.03	473614	ok	587971	352783-823159

Volatile Surrogate Recovery Summary

Job Number: M65795R
Account: GEI GEI Consultants, Inc.
Project: Indoor & Outdoor Air Samples Tufts St., Somerville MA

Method: TO-15 **Matrix:** AIR

Samples and QC shown here apply to the above method

Lab Sample ID	Lab File ID	S1
M65795-2R	Q3862.D	106.0
M65942-1DUP	Q3860.D	105.0
MSQ207-BS	Q3857A.D	99.0
MSQ207-MB	Q3858.D	97.0

Surrogate Compounds	Recovery Limits
S1 = 4-Bromofluorobenzene	57-139%

Initial Calibration Summary

Job Number: M65795R **Sample:** MSQ205-ICC205
Account: GEI GEI Consultants, Inc. **Lab FileID:** Q3819.D
Project: Indoor & Outdoor Air Samples Tufts St., Somerville MA

Response Factor Report MAMSQ

Method : C:\msdchem\1\METHODS\Q062707T.m (RTE Integrator)
Title : TO15 by GCMS w/DB-1 60 m X .25 mm ID 1.0 um
Last Update : Wed Jun 27 17:20:02 2007
Response via : Initial Calibration

Calibration Files
.2 =Q3823.D .5 =Q3822.D 2 =Q3821.D
5 =Q3820.D 10 =Q3819.D 20 =Q3818.D 40 =Q3817.D

Compound	.2	.5	2	5	10	20	40	Avg	%RSD
1) I BROMOCHLOROMETHANE	----------ISTD----------								
2)m DICHLORODIFLUOROM	6.294	4.582	6.651	4.330	3.971	4.329	4.189	4.907	22.22
3)m PROPYLENE	2.182	1.639	2.305	1.511	1.465	0.915	1.476	1.642	28.74
4)m FREON 114	5.563	4.175	5.164	3.890	3.672	3.309	4.130	4.272	18.93
5)m CHLOROMETHANE	2.705	2.038	2.744	2.085	1.896	1.282	1.991	2.106	23.80
6)m VINYL CHLORIDE	2.341	1.675	2.315	1.729	1.613	1.229	1.710	1.802	22.06
7)m 1,3-BUTADIENE	2.131	1.585	1.872	1.430	1.382	1.185	1.429	1.573	20.58
8)m BROMOMETHANE	1.629	1.398	1.779	1.310	1.236	1.032	1.335	1.388	17.88
9)m CHLOROETHANE	0.736	0.699	0.826	0.684	0.677	0.563	0.708	0.699	11.20
10)m TRICHLOROFLUOROME	5.255	3.723	4.552	3.457	3.527	3.436	4.023	3.996	17.07
11)m ISOPROPYL ALCOHOL		3.604	3.645	2.764	2.816	2.697	2.661	3.031	15.27
12)m ACETONE		3.483	3.002	2.263	2.250	2.179	2.204	2.564	21.39
13)m PENTANE	2.867	2.096	2.298	1.767	1.765	1.850	1.783	2.061	19.84
14)m 1,1-DICHLOROETHYL	1.477	1.176	1.439	1.119	1.149	1.113	1.256	1.247	12.20
15)m CARBON DISULFIDE	4.492	3.392	4.366	3.268	3.248	3.275	3.521	3.652	14.80
16)m ETHANOL		0.772	0.745	0.546	0.537	0.411	0.514	0.587	24.04
17)m BROMOETHENE	1.422	1.206	1.552	1.157	1.156	1.111	1.250	1.265	12.84
18)m METHYLENE CHLORID	8.480	3.274	1.673	1.103	1.078	1.023	1.137	2.539	107.94
----- Linear regression (equal Weighting)----- Coefficient = 0.9950									
Response Ratio = 0.05696 + 1.09314 *A									
19)m 3-CHLOROPROPENE	1.748	1.285	1.306	1.112	1.179	1.274	1.357	1.323	15.47
20)m FREON 113	2.390	1.759	1.970	1.637	1.693	1.518	1.912	1.840	15.66
21)m TRANS-1,2-DICHLOR	1.130	1.049	1.270	1.047	1.076	1.006	1.165	1.106	8.15
22)m TERTIARY BUTYL AL	3.825	2.914	3.793	2.975	3.152	2.890	3.225	3.253	12.26
23)m METHYL TERTIARY B	3.007	2.365	3.061	2.497	2.552	2.312	2.709	2.643	11.22
24)m TETRAHYDROFURAN	1.622	1.303	1.773	1.500	1.506	1.437	1.611	1.536	9.78
25)m HEXANE		3.017	2.898	2.355	2.369	2.331	2.607	2.596	11.53
26)m VINYL ACETATE	3.503	2.562	3.187	2.747	2.696	2.703	2.898	2.899	11.47
27)m 1,1-DICHLOROETHAN	3.171	2.571	2.812	2.407	2.503	2.582	2.966	2.716	10.18
28)m METHYL ETHYL KETO	3.787	2.679	3.362	2.830	2.808	2.626	2.942	3.005	14.00
29)m cis-1,2-DICHLOROE	1.083	1.003	1.176	1.013	1.041	1.084	1.223	1.089	7.60
30)m ETHYL ACETATE	7.404	4.638	5.746	4.685	4.875	4.603	5.159	5.302	19.06
31)m CHLOROFORM	4.332	3.085	2.928	2.444	2.450	2.518	2.842	2.943	22.51
32)m 1,1,1-TRICHLOROET	2.743	2.226	2.434	2.149	2.180	2.304	2.715	2.393	10.36
33)m CARBON TETRACHLOR	3.043	2.320	2.847	2.414	2.457	2.532	3.055	2.667	11.57
34)m 1,2-DICHLOROETHAN	1.765	1.435	1.837	1.562	1.534	1.605	1.996	1.676	11.75
35) I 1,4-DIFLUOROBENZENE	----------ISTD----------								
36)m BENZENE	0.744	0.603	0.693	0.580	0.565	0.602	0.695	0.640	10.79
37)m CYCLOHEXANE	0.343	0.295	0.348	0.272	0.276	0.269	0.279	0.298	11.39
38)m TRICHLOROETHYLENE	0.336	0.290	0.359	0.278	0.302	0.297	0.352	0.316	10.12
39)m 1,2-DICHLOROPROPA	0.330	0.300	0.328	0.279	0.274	0.279	0.318	0.301	8.05
40)m BROMODICHLOROMETH	0.566	0.459	0.546	0.452	0.468	0.506	0.576	0.511	10.31
41)m 2,2,4-TRIMETHYLPE	1.803	1.507	1.762	1.431	1.519	1.545	1.705	1.610	8.93
42)m 1,4-DIOXANE	0.082	0.096	0.133	0.107	0.114	0.110	0.118	0.108	15.10

Initial Calibration Summary

Job Number: M65795R **Sample:** MSQ205-ICC205
Account: GEI GEI Consultants, Inc. **Lab FileID:** Q3819.D
Project: Indoor & Outdoor Air Samples Tufts St., Somerville MA

```
43)m HEPTANE           0.679 0.567 0.673 0.562 0.598 0.608 0.644 0.619   7.68
44)m METHYL ISOBUTYL K 0.668 0.594 0.829 0.658 0.721 0.690 0.731 0.699  10.47
45)m cis-1,3-DICHLOROP 0.229 0.210 0.339 0.274 0.283 0.297 0.344 0.282  18.00
46)m TOLUENE           0.497 0.351 0.449 0.360 0.363 0.366 0.427 0.402  14.03
47)m trans-1,3-DICHLOR       0.104 0.240 0.209 0.220 0.221 0.265 0.210  26.49
48)m 1,1,2-TRICHLOROET 0.254 0.208 0.272 0.218 0.216 0.218 0.245 0.233  10.35

49) I   CHLOROBENZENE-D5      ----------------ISTD--------------------
50)m 2-HEXANONE        0.470 0.392 0.711 0.576 0.628 0.615 0.676 0.581  19.56
51)m TETRACHLOROETHYLE 0.274 0.242 0.278 0.231 0.246 0.245 0.315 0.262  11.20
52)m DIBROMOCHLOROMETH 0.459 0.357 0.496 0.427 0.442 0.469 0.614 0.466  16.82
53)m 1,2-DIBROMOETHANE 0.318 0.271 0.447 0.367 0.367 0.363 0.436 0.367  16.82
54)m CHLOROBENZENE     0.464 0.377 0.655 0.516 0.515 0.508 0.612 0.521  17.58
55)m ETHYLBENZENE      0.870 0.690 1.109 0.910 0.940 0.905 1.065 0.927  14.76
56)m m,p-XYLENE        0.331 0.242 0.421 0.342 0.355 0.335 0.410 0.348  16.93
57)m o-XYLENE          0.330 0.283 0.415 0.345 0.367 0.348 0.421 0.358  13.51
58)m STYRENE           0.147 0.128 0.445 0.400 0.419 0.403 0.491 0.348  42.26
  ----- Linear regression  (equal Weighting)-----  Coefficient =  0.9924
              Response Ratio = -0.03909 + 0.48379 *A

59)m NONANE            0.920 0.768 1.069 0.885 0.938 0.939 1.013 0.933  10.20
60)m BROMOFORM         0.243 0.210 0.315 0.285 0.322 0.317 0.461 0.308  25.90
61)S 4-BROMOFLUOROBENZ 0.698 0.719 0.755 0.766 0.814 0.808 0.860 0.774   7.34
62)m 1,1,2,2-TETRACHLO 0.845 0.697 0.809 0.627 0.679 0.641 0.746 0.721  11.52
63)m ISOPROPYLBENZENE  1.080 0.863 1.164 0.943 0.993 0.905 1.170 1.017  12.14
64)m 2-CHLOROTOLUENE   0.588 0.533 0.858 0.689 0.746 0.680 0.883 0.711  18.22
65)m 4-ETHYLTOLUENE    0.562 0.482 0.933 0.798 0.863 0.795 1.045 0.782  25.42
66)m 1,3,5-TRIMETHYLBE 0.761 0.641 0.919 0.766 0.810 0.756 0.993 0.806  14.42
67)m 1,2,4-TRIMETHYLBE 0.515 0.461 0.814 0.704 0.743 0.693 0.921 0.693  23.16
68)m m-DICHLOROBENZENE 0.105 0.108 0.354 0.294 0.319 0.287 0.403 0.267  43.59
         ----- Quadratic regression -----  Coefficient =  0.9971
              Response Ratio = 0.01646 + 0.20532 *A + 0.04790 *A^2

69)m BENZYL CHLORIDE   0.029 0.064 0.288 0.275 0.317 0.315 0.417 0.244  58.53
         ----- Quadratic regression -----  Coefficient =  0.9991
              Response Ratio = 0.00330 + 0.23776 *A + 0.04440 *A^2

70)m p-DICHLOROBENZENE 0.062 0.071 0.302 0.257 0.270 0.248 0.328 0.220  49.18
         ----- Quadratic regression -----  Coefficient =  0.9978
              Response Ratio = 0.01064 + 0.19340 *A + 0.03258 *A^2

71)m o-DICHLOROBENZENE 0.169 0.173 0.385 0.316 0.333 0.307 0.414 0.300  31.93
         ----- Quadratic regression -----  Coefficient =  0.9978
              Response Ratio = 0.01685 + 0.22925 *A + 0.04470 *A^2

72)m HEXACHLOROBUTADIE 0.587 0.411 0.139 0.108 0.110 0.127 0.129 0.230  83.02
         ----- Quadratic regression -----  Coefficient =  0.9983
              Response Ratio = 0.00720 + 0.10742 *A + 0.00510 *A^2

73)m 1,2,4-TRICHLOROBE 0.012 0.018 0.053 0.045 0.049 0.050 0.058 0.041  44.04
         ----- Quadratic regression -----  Coefficient =  0.9997
              Response Ratio = 0.00013 + 0.04304 *A + 0.00365 *A^2

74)m NAPHTHALENE                                                0.000  -1.00
75)  2-METHYLNAPHTHALE                                          0.000  -1.00
76)  1-METHYLNAPHTHALE                                          0.000  -1.00
-------------------------------------------------------------------------------
(#) = Out of Range

          Q062707T.m        Wed Jun 27 17:20:29 2007   RPT1
```

Initial Calibration Verification

Job Number: M65795R **Sample:** MSQ205-ICV205
Account: GEI GEI Consultants, Inc. **Lab FileID:** Q3824.D
Project: Indoor & Outdoor Air Samples Tufts St., Somerville MA

Evaluate Continuing Calibration Report

Data File : C:\msdchem\1\DATA\Q3824.D Vial: 2
Acq On : 27 Jun 2007 5:27 pm Operator: PhilipB
Sample : ICV205-10 (M080) Inst : MAMSQ
Misc : MS13820, MSQ205,,,,,1 Multiplr: 1.00
MS Integration Params: LSCINT.P

Method : C:\msdchem\1\METHODS\Q062707T.m (RTE Integrator)
Title : TO15 by GCMS w/DB-1 60 m X .25 mm ID 1.0 um
Last Update : Wed Jun 27 17:20:02 2007
Response via : Multiple Level Calibration

Min. RRF : 0.000 Min. Rel. Area : 40% Max. R.T. Dev 0.33min
Max. RRF Dev : 30% Max. Rel. Area : 180%

		Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)	RT Window
1	I	BROMOCHLOROMETHANE	1.000	1.000	0.0	72	-0.07	8.35- 8.77
2	m	DICHLORODIFLUOROMETHAN	4.907	4.681	4.6	85	-0.01	3.81- 4.23
3	m	PROPYLENE	1.642	1.538	6.3	76	-0.01	3.75- 4.16
4	m	FREON 114	4.272	3.969	7.1	78	-0.02	4.07- 4.48
5	m	CHLOROMETHANE	2.106	2.114	-0.4	81	-0.02	3.97- 4.38
6	m	VINYL CHLORIDE	1.802	1.708	5.2	77	-0.03	4.19- 4.60
7	m	1,3-BUTADIENE	1.573	1.435	8.8	75	-0.03	4.32- 4.73
8	m	BROMOMETHANE	1.388	1.355	2.4	79	-0.04	4.59- 5.00
9	m	CHLOROETHANE	0.699	0.694	0.7	74	-0.05	4.75- 5.16
10	m	TRICHLOROFLUOROMETHANE	3.996	3.807	4.7	78	-0.06	5.52- 5.93
11	m	ISOPROPYL ALCOHOL	3.031	2.668	12.0	69	-0.07	5.52- 5.99
12	m	ACETONE	2.564	2.341	8.7	75	-0.05	5.33- 5.74
13	m	PENTANE	2.061	1.820	11.7	75	-0.07	5.92- 6.23
14	m	1,1-DICHLOROETHYLENE	1.247	1.122	10.0	71	-0.07	6.15- 6.56
15	m	CARBON DISULFIDE	3.652	3.332	8.8	74	-0.07	6.58- 7.00
16	m	ETHANOL	0.587	0.503	14.3	68	-0.06	4.81- 5.27
17	m	BROMOETHENE	1.265	1.193	5.7	75	-0.05	5.11- 5.52
		----------	True	Calc.	% Drift		----------	
18	m	METHYLENE CHLORIDE	10.000	11.502	-15.0	88	-0.07	6.31- 6.61
		----------	AvgRF	CCRF	% Dev		----------	
19	m	3-CHLOROPROPENE	1.323	1.190	10.1	73	-0.08	6.38- 6.79
20	m	FREON 113	1.840	1.581	14.1	68	-0.08	6.52- 6.93
21	m	TRANS-1,2-DICHLOROETHY	1.106	1.044	5.6	70	-0.08	7.19- 7.60
22	m	TERTIARY BUTYL ALCOHOL	3.253	2.907	10.6	67	-0.07	6.10- 6.61
23	m	METHYL TERTIARY BUTYL	2.643	2.393	9.5	68	-0.07	7.43- 7.84
24	m	TETRAHYDROFURAN	1.536	1.455	5.3	70	-0.06	8.93- 9.22
25	m	HEXANE	2.596	2.435	6.2	74	-0.07	8.39- 8.81
26	m	VINYL ACETATE	2.899	2.797	3.5	75	-0.08	7.53- 7.88
27	m	1,1-DICHLOROETHANE	2.716	2.524	7.1	73	-0.07	7.39- 7.80
28	m	METHYL ETHYL KETONE	3.005	2.772	7.8	71	-0.08	7.72- 8.20
29	m	cis-1,2-DICHLOROETHYLE	1.089	1.060	2.7	74	-0.08	8.19- 8.60
30	m	ETHYL ACETATE	5.302	4.829	8.9	72	-0.07	8.38- 8.80
31	m	CHLOROFORM	2.943	2.671	9.2	79	-0.07	8.48- 8.89
32	m	1,1,1-TRICHLOROETHANE	2.393	2.304	3.7	76	-0.07	9.44- 9.85
33	m	CARBON TETRACHLORIDE	2.667	2.655	0.4	78	-0.06	10.03-10.44
34	m	1,2-DICHLOROETHANE	1.676	1.605	4.2	76	-0.07	9.19- 9.61
35	I	1,4-DIFLUOROBENZENE	1.000	1.000	0.0	69	-0.06	10.20-10.61
36	m	BENZENE	0.640	0.634	0.9	77	-0.06	9.89-10.30
37	m	CYCLOHEXANE	0.298	0.299	-0.3	74	-0.06	10.15-10.56

Initial Calibration Verification

Job Number: M65795R **Sample:** MSQ205-ICV205
Account: GEI GEI Consultants, Inc. **Lab FileID:** Q3824.D
Project: Indoor & Outdoor Air Samples Tufts St., Somerville MA

38	m	TRICHLOROETHYLENE	0.316	0.320	-1.3	73	-0.06	10.94-11.25
39	m	1,2-DICHLOROPROPANE	0.301	0.296	1.7	74	-0.05	10.67-11.08
40	m	BROMODICHLOROMETHANE	0.511	0.519	-1.6	76	-0.06	10.90-11.21
41	m	2,2,4-TRIMETHYLPENTANE	1.610	1.592	1.1	72	-0.05	10.92-11.33
42	m	1,4-DIOXANE	0.108	0.117	-8.3	71	-0.05	10.82-11.35
43	m	HEPTANE	0.619	0.622	-0.5	71	-0.05	11.20-11.51
44	m	METHYL ISOBUTYL KETONE	0.699	0.726	-3.9	69	-0.05	11.72-12.15
45	m	cis-1,3-DICHLOROPROPEN	0.282	0.306	-8.5	74	-0.04	11.71-12.13
46	m	TOLUENE	0.402	0.390	3.0	74	-0.04	12.69-13.10
47	m	trans-1,3-DICHLOROPROP	0.210	0.223	-6.2	69	-0.04	12.27-12.58
48	m	1,1,2-TRICHLOROETHANE	0.233	0.237	-1.7	75	-0.04	12.43-12.79
49	I	CHLOROBENZENE-D5	1.000	1.000	0.0	68	-0.02	14.53-14.84
50	m	2-HEXANONE	0.581	0.621	-6.9	67	-0.04	12.92-13.32
51	m	TETRACHLOROETHYLENE	0.262	0.253	3.4	70	-0.03	13.83-14.24
52	m	DIBROMOCHLOROMETHANE	0.466	0.475	-1.9	73	-0.04	13.14-13.50
53	m	1,2-DIBROMOETHANE	0.367	0.402	-9.5	74	-0.04	13.42-13.73
54	m	CHLOROBENZENE	0.521	0.549	-5.4	72	-0.02	14.58-14.89
55	m	ETHYLBENZENE	0.927	0.990	-6.8	72	-0.02	14.93-15.29
56	m	m,p-XYLENE	0.348	0.365	-4.9	70	-0.02	15.13-15.49
57	m	o-XYLENE	0.358	0.373	-4.2	69	-0.02	15.63-15.99
		----------	True	Calc.	% Drift		----------	
58	m	STYRENE	10.000	9.618	3.8	69	-0.02	15.54-15.85
		----------	AvgRF	CCRF	% Dev		----------	
59	m	NONANE	0.933	0.983	-5.4	71	-0.02	15.86-16.17
60	m	BROMOFORM	0.308	0.305	1.0	64	-0.02	15.25-15.56
61	S	4-BROMOFLUOROBENZENE	0.774	0.793	-2.5	66	-0.01	16.16-16.47
62	m	1,1,2,2-TETRACHLOROETH	0.721	0.713	1.1	71	-0.02	15.64-15.95
63	m	ISOPROPYLBENZENE	1.017	1.027	-1.0	70	-0.01	16.31-16.62
64	m	2-CHLOROTOLUENE	0.711	0.774	-8.9	71	-0.01	16.81-17.22
65	m	4-ETHYLTOLUENE	0.782	0.879	-12.4	69	-0.01	17.07-17.34
66	m	1,3,5-TRIMETHYLBENZENE	0.806	0.825	-2.4	69	-0.01	17.16-17.41
67	m	1,2,4-TRIMETHYLBENZENE	0.693	0.769	-11.0	70	0.00	17.60-17.91
		----------	True	Calc.	% Drift		----------	
68	m	m-DICHLOROBENZENE	10.000	11.507	-15.1	67	-0.01	17.77-18.10
69	m	BENZYL CHLORIDE	10.000	10.205	-2.1	63	-0.01	17.76-18.07
70	m	p-DICHLOROBENZENE	10.000	11.248	-12.5	68	-0.01	17.89-18.13
71	m	o-DICHLOROBENZENE	10.000	11.488	-14.9	69	0.00	18.25-18.56
72	m	HEXACHLOROBUTADIENE	10.000	9.461	5.4	70	0.00	20.59-21.00
73	m	1,2,4-TRICHLOROBENZENE	10.000	10.161	-1.6	66	0.00	20.10-20.52
		----------	AvgRF	CCRF	% Dev		----------	
74	m	NAPHTHALENE		----------NA----------				
75		2-METHYLNAPHTHALENE		----------NA----------				
76		1-METHYLNAPHTHALENE		----------NA----------				

(#) = Out of Range SPCC's out = 0 CCC's out = 0
Q3819.D Q062707T.m Thu Jun 28 09:07:06 2007 RPT1

Continuing Calibration Summary

Job Number: M65795R **Sample:** MSQ207-CC205
Account: GEI GEI Consultants, Inc. **Lab FileID:** Q3857.D
Project: Indoor & Outdoor Air Samples Tufts St., Somerville MA

Evaluate Continuing Calibration Report

Data File : C:\msdchem\1\DATA\Q3857.D Vial: 2
Acq On : 29 Jun 2007 3:53 pm Operator: PhilipB
Sample : CC205-10 (M080) Inst : MAMSQ
Misc : MS13857, MSQ207,,,,,1 Multiplr: 1.00
MS Integration Params: LSCINT.P

Method : C:\msdchem\1\METHODS\Q062707T.m (RTE Integrator)
Title : TO15 by GCMS w/DB-1 60 m X .25 mm ID 1.0 um
Last Update : Wed Jun 27 17:20:02 2007
Response via : Multiple Level Calibration

Min. RRF : 0.000 Min. Rel. Area : 40% Max. R.T. Dev 0.33min
Max. RRF Dev : 30% Max. Rel. Area : 180%

		Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)	RT Window
1	I	BROMOCHLOROMETHANE	1.000	1.000	0.0	63	0.00	8.43- 8.84
2	m	DICHLORODIFLUOROMETHAN	4.907	6.266	-27.7	100	0.00	3.83- 4.24
3	m	PROPYLENE	1.642	1.879	-14.4	81	0.00	3.76- 4.17
4	m	FREON 114	4.272	4.992	-16.9	86	0.00	4.09- 4.51
5	m	CHLOROMETHANE	2.106	2.222	-5.5	74	0.00	3.99- 4.40
6	m	VINYL CHLORIDE	1.802	1.740	3.4	68	0.00	4.21- 4.63
7	m	1,3-BUTADIENE	1.573	1.769	-12.5	81	0.00	4.35- 4.77
8	m	BROMOMETHANE	1.388	1.443	-4.0	74	0.00	4.63- 5.04
9	m	CHLOROETHANE	0.699	0.702	-0.4	66	0.00	4.80- 5.21
10	m	TRICHLOROFLUOROMETHANE	3.996	6.185	-54.8#	111	0.00	5.58- 6.00
11	m	ISOPROPYL ALCOHOL	3.031	3.199	-5.5	72	0.00	5.59- 6.06
12	m	ACETONE	2.564	2.857	-11.4	80	0.00	5.39- 5.80
13	m	PENTANE	2.061	1.970	4.4	71	0.00	5.99- 6.30
14	m	1,1-DICHLOROETHYLENE	1.247	1.513	-21.3	83	0.00	6.22- 6.63
15	m	CARBON DISULFIDE	3.652	4.643	-27.1	91	0.00	6.65- 7.07
16	m	ETHANOL	0.587	0.560	4.6	66	0.00	4.86- 5.33
17	m	BROMOETHENE	1.265	1.318	-4.2	72	0.00	5.16- 5.57
		----------	True	Calc.	% Drift	----------		
18	m	METHYLENE CHLORIDE	10.000	12.513	-25.1	84	0.00	6.39- 6.69
		----------	AvgRF	CCRF	% Dev	----------		
19	m	3-CHLOROPROPENE	1.323	1.840	-39.1#	99	0.00	6.45- 6.86
20	m	FREON 113	1.840	2.116	-15.0	79	0.00	6.59- 7.00
21	m	TRANS-1,2-DICHLOROETHY	1.106	1.445	-30.7#	85	0.00	7.26- 7.67
22	m	TERTIARY BUTYL ALCOHOL	3.253	4.228	-30.0	85	0.00	6.17- 6.69
23	m	METHYL TERTIARY BUTYL	2.643	3.216	-21.7	80	0.00	7.51- 7.92
24	m	TETRAHYDROFURAN	1.536	1.982	-29.0	83	0.00	9.00- 9.29
25	m	HEXANE	2.596	2.899	-11.7	77	0.00	8.46- 8.87
26	m	VINYL ACETATE	2.899	4.357	-50.3#	102	0.00	7.61- 7.96
27	m	1,1-DICHLOROETHANE	2.716	3.398	-25.1	86	0.00	7.46- 7.87
28	m	METHYL ETHYL KETONE	3.005	3.901	-29.8	88	0.00	7.79- 8.28
29	m	cis-1,2-DICHLOROETHYLE	1.089	1.177	-8.1	72	0.00	8.26- 8.67
30	m	ETHYL ACETATE	5.302	6.655	-25.5	86	0.00	8.45- 8.88
31	m	CHLOROFORM	2.943	3.313	-12.6	86	0.00	8.55- 8.96
32	m	1,1,1-TRICHLOROETHANE	2.393	3.074	-28.5	89	0.00	9.50- 9.92
33	m	CARBON TETRACHLORIDE	2.667	3.404	-27.6	88	0.00	10.09-10.50
34	m	1,2-DICHLOROETHANE	1.676	2.382	-42.1#	98	0.00	9.26- 9.67
35	I	1,4-DIFLUOROBENZENE	1.000	1.000	0.0	70	0.00	10.26-10.67
36	m	BENZENE	0.640	0.622	2.8	77	0.00	9.94-10.36
37	m	CYCLOHEXANE	0.298	0.286	4.0	72	0.00	10.21-10.62

Continuing Calibration Summary

Job Number: M65795R **Sample:** MSQ207-CC205
Account: GEI GEI Consultants, Inc. **Lab FileID:** Q3857.D
Project: Indoor & Outdoor Air Samples Tufts St., Somerville MA

38	m	TRICHLOROETHYLENE	0.316	0.350	-10.8	81	0.00	10.99-11.30
39	m	1,2-DICHLOROPROPANE	0.301	0.301	0.0	77	0.00	10.71-11.13
40	m	BROMODICHLOROMETHANE	0.511	0.574	-12.3	86	0.00	10.95-11.26
41	m	2,2,4-TRIMETHYLPENTANE	1.610	1.814	-12.7	84	0.00	10.96-11.37
42	m	1,4-DIOXANE	0.108	0.126	-16.7	77	0.00	10.87-11.40
43	m	HEPTANE	0.619	0.708	-14.4	83	0.00	11.25-11.56
44	m	METHYL ISOBUTYL KETONE	0.699	0.888	-27.0	86	0.00	11.76-12.20
45	m	cis-1,3-DICHLOROPROPEN	0.282	0.362	-28.4	90	0.00	11.76-12.17
46	m	TOLUENE	0.402	0.377	6.2	73	0.00	12.72-13.13
47	m	trans-1,3-DICHLOROPROP	0.210	0.276	-31.4#	88	0.00	12.31-12.62
48	m	1,1,2-TRICHLOROETHANE	0.233	0.242	-3.9	79	0.00	12.46-12.82
49	I	CHLOROBENZENE-D5	1.000	1.000	0.0	68	0.00	14.55-14.86
50	m	2-HEXANONE	0.581	0.829	-42.7#	90	0.00	12.95-13.35
51	m	TETRACHLOROETHYLENE	0.262	0.211	19.5	59	0.00	13.85-14.26
52	m	DIBROMOCHLOROMETHANE	0.466	0.457	1.9	71	0.00	13.17-13.53
53	m	1,2-DIBROMOETHANE	0.367	0.438	-19.3	82	0.00	13.45-13.76
54	m	CHLOROBENZENE	0.521	0.567	-8.8	75	0.00	14.60-14.91
55	m	ETHYLBENZENE	0.927	1.058	-14.1	77	0.00	14.95-15.31
56	m	m,p-XYLENE	0.348	0.362	-4.0	70	0.00	15.14-15.50
57	m	o-XYLENE	0.358	0.332	7.3	62	0.00	15.64-16.01
		----------	True	Calc.	% Drift		----------	
58	m	STYRENE	10.000	9.994	0.1	72	0.00	15.55-15.86
		----------	AvgRF	CCRF	% Dev		----------	
59	m	NONANE	0.933	1.085	-16.3	79	0.00	15.87-16.18
60	m	BROMOFORM	0.308	0.294	4.5	62	0.00	15.27-15.58
61	S	4-BROMOFLUOROBENZENE	0.774	0.770	0.5	65	0.00	16.17-16.48
62	m	1,1,2,2-TETRACHLOROETH	0.721	0.695	3.6	70	0.00	15.66-15.97
63	m	ISOPROPYLBENZENE	1.017	0.928	8.8	64	0.00	16.31-16.62
64	m	2-CHLOROTOLUENE	0.711	0.776	-9.1	71	0.00	16.81-17.23
65	m	4-ETHYLTOLUENE	0.782	0.804	-2.8	64	0.00	17.07-17.34
66	m	1,3,5-TRIMETHYLBENZENE	0.806	0.812	-0.7	68	0.00	17.16-17.42
67	m	1,2,4-TRIMETHYLBENZENE	0.693	0.795	-14.7	73	0.00	17.60-17.91
		----------	True	Calc.	% Drift		----------	
68	m	m-DICHLOROBENZENE	10.000	12.990	-29.9	78	0.00	17.78-18.11
69	m	BENZYL CHLORIDE	10.000	15.850	-58.5#	106	0.00	17.76-18.07
70	m	p-DICHLOROBENZENE	10.000	13.735	-37.3#	86	0.00	17.90-18.13
71	m	o-DICHLOROBENZENE	10.000	12.343	-23.4	75	0.00	18.25-18.56
72	m	HEXACHLOROBUTADIENE	10.000	9.564	4.4	71	0.00	20.59-21.00
73	m	1,2,4-TRICHLOROBENZENE	10.000	17.114	-71.1#	118	0.00	20.10-20.51
		----------	AvgRF	CCRF	% Dev		----------	
74	m	NAPHTHALENE		----------NA----------				
75		2-METHYLNAPHTHALENE		----------NA----------				
76		1-METHYLNAPHTHALENE		----------NA----------				

(#) = Out of Range SPCC's out = 0 CCC's out = 0
Q3819.D Q062707T.m Fri Jun 29 16:36:13 2007 RPT1

GC/MS Volatiles

Raw Data

Manual Integrations APPROVED (compounds with "m" flag)
Doug Yargeau
07/06/07 11:19

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\
Data File : Q3862.D
Acq On : 29 Jun 2007 7:33 pm
Operator : PhilipB
Sample : M65795-2R
Misc : MS13857, MSQ207,,,,,1
ALS Vial : 5 Sample Multiplier: 1

Quant Time: Jul 02 09:54:20 2007
Quant Method : C:\msdchem\1\METHODS\Q062707T.m
Quant Title : TO15 by GCMS w/DB-1 60 m X .25 mm ID 1.0 um
QLast Update : Wed Jun 27 17:20:02 2007
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) BROMOCHLOROMETHANE	8.635	128	66047	10.00	PPBV	0.00
35) 1,4-DIFLUOROBENZENE	10.467	114	337833	10.00	PPBV	0.00
49) CHLOROBENZENE-D5	14.707	117	263532	10.00	PPBV	0.00

System Monitoring Compounds

61) 4-BROMOFLUOROBENZENE	16.329	95	107707	5.28	PPBV	0.00

Spiked Amount 5.000 Range 57 - 139 Recovery = 105.60%

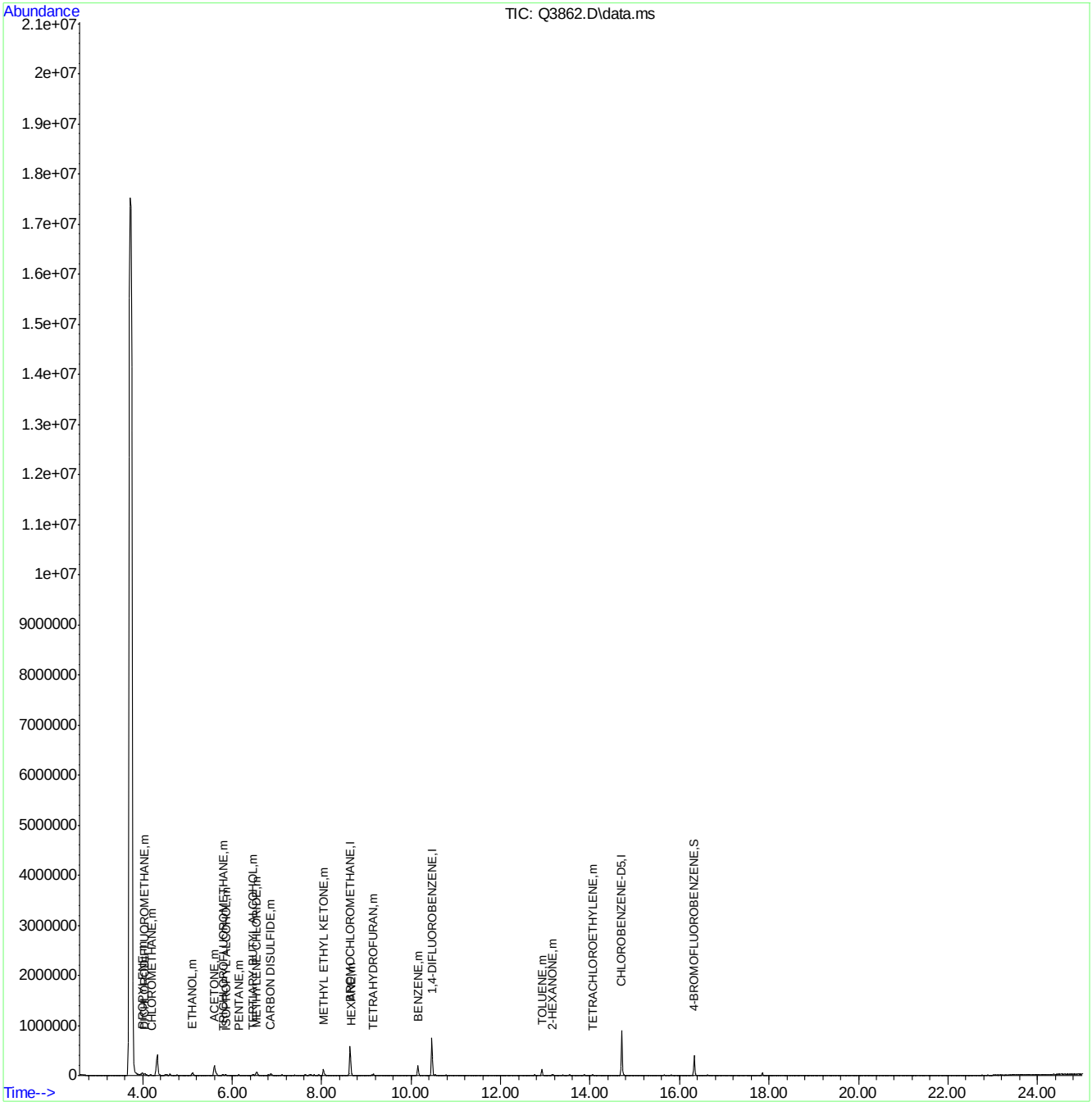
Target Compounds						Qvalue
2) DICHLORODIFLUOROMETHANE	4.028	85	30916	0.95	PPBV	93
3) PROPYLENE	3.987	41	18993m	1.75	PPBV	
5) CHLOROMETHANE	4.207	50	6150m	0.44	PPBV	
10) TRICHLOROFLUOROMETHANE	5.792	101	16466	0.62	PPBV #	72
11) ISOPROPYL ALCOHOL	5.854	45	21799	1.09	PPBV	71
12) ACETONE	5.600	43	311339	18.39	PPBV	85
13) PENTANE	6.149	42	4256	0.31	PPBV #	75
15) CARBON DISULFIDE	6.860	76	45737	1.90	PPBV	95
16) ETHANOL	5.103	45	65702	16.93	PPBV	98
18) METHYLENE CHLORIDE	6.546	84	20398m	2.30	PPBV	
22) TERTIARY BUTYL ALCOHOL	6.445	59	24766	1.15	PPBV	86
24) TETRAHYDROFURAN	9.160	42	17573	1.73	PPBV #	70
25) HEXANE	8.669	57	5666m	0.33	PPBV	
28) METHYL ETHYL KETONE	8.033	43	160945	8.11	PPBV	90
36) BENZENE	10.153	78	103463	4.78	PPBV	87
46) TOLUENE	12.925	92	25985	1.91	PPBV	91
50) 2-HEXANONE	13.157	43	22363	1.46	PPBV #	71
51) TETRACHLOROETHYLENE	14.055	164	1654m	0.24	PPBV	

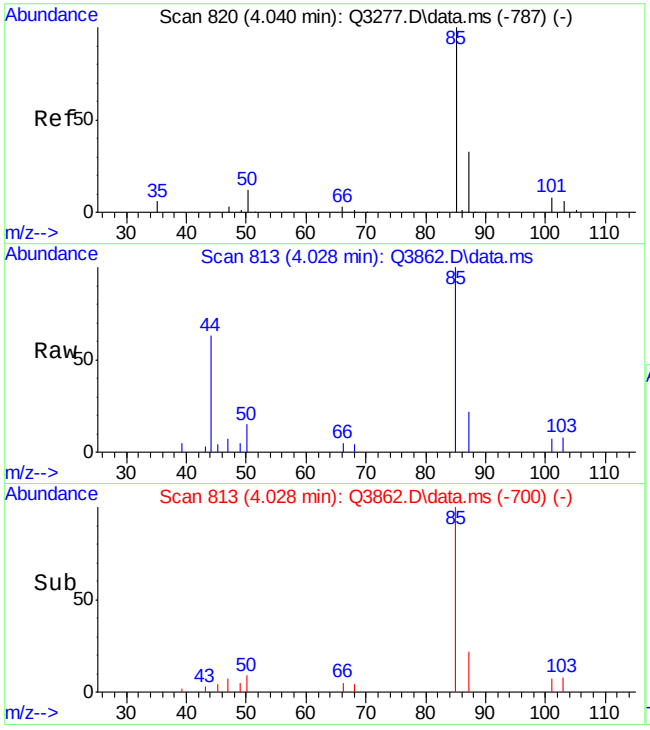
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\
Data File : Q3862.D
Acq On : 29 Jun 2007 7:33 pm
Operator : PhilipB
Sample : M65795-2R
Misc : MS13857, MSQ207,,,,,1
ALS Vial : 5 Sample Multiplier: 1

Quant Time: Jul 02 09:54:20 2007
Quant Method : C:\msdchem\1\METHODS\Q062707T.m
Quant Title : TO15 by GCMS w/DB-1 60 m X .25 mm ID 1.0 um
QLast Update : Wed Jun 27 17:20:02 2007
Response via : Initial Calibration

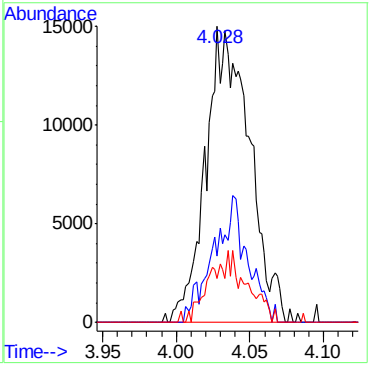


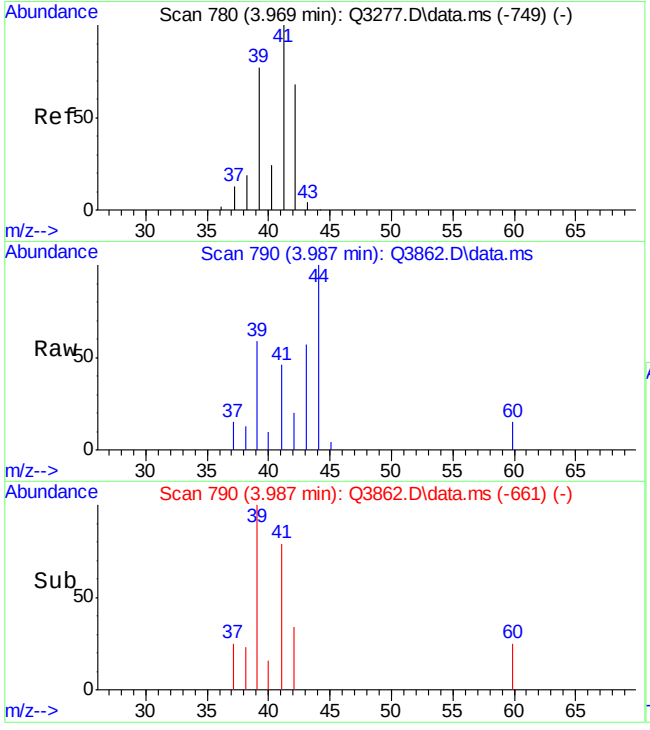


#2
DICHLORODIFLUOROMETHANE
Concen: 0.95 PPBV
RT: 4.028 min Scan# 813
Delta R.T. -0.005 min
Lab File: Q3862.D
Acq: 29 Jun 2007 7:33 pm

Tgt Ion: 85 Resp: 30916

Ion	Ratio	Lower	Upper
85	100		
87	33.4	12.1	52.1
50	20.4	0.0	33.8

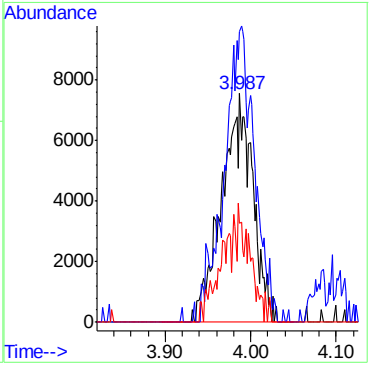


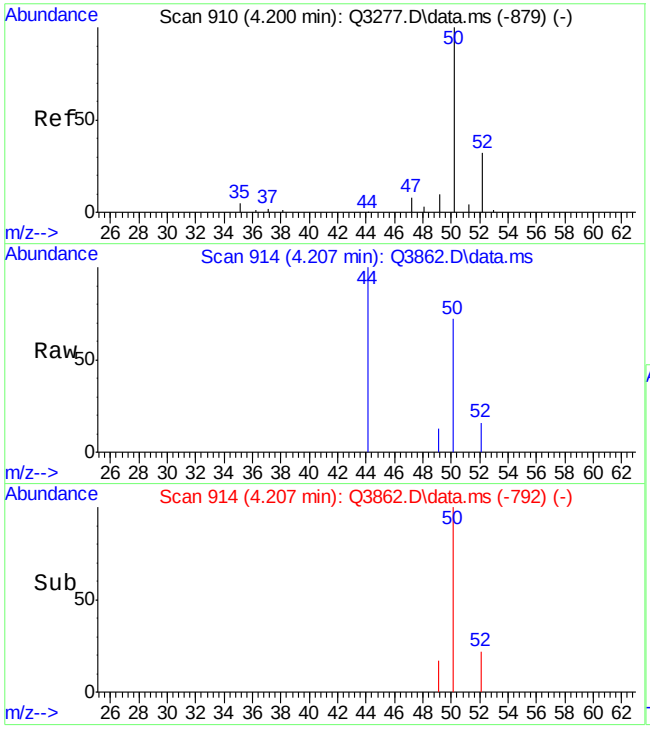


#3
PROPYLENE
Concen: 1.75 PPBV m
RT: 3.987 min Scan# 790
Delta R.T. 0.023 min
Lab File: Q3862.D
Acq: 29 Jun 2007 7:33 pm

Tgt Ion: 41 Resp: 18993

Ion	Ratio	Lower	Upper
41	100		
39	127.2	52.5	92.5#
42	43.1	47.8	87.8#

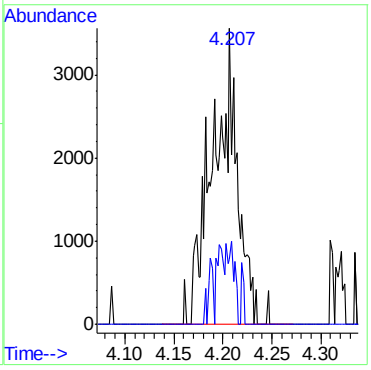


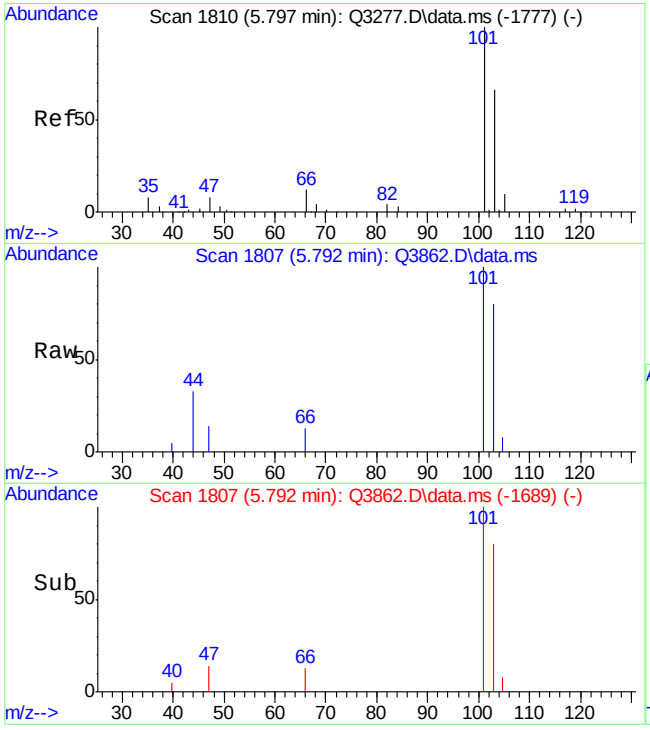


#5
CHLOROMETHANE
Concen: 0.44 PPBV m
RT: 4.207 min Scan# 914
Delta R.T. 0.011 min
Lab File: Q3862.D
Acq: 29 Jun 2007 7:33 pm

Tgt Ion: 50 Resp: 6150

Ion	Ratio	Lower	Upper
50	100		
52	22.1	12.2	52.2

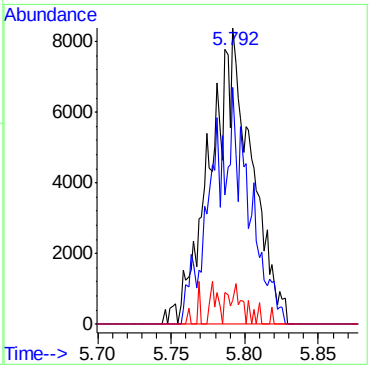


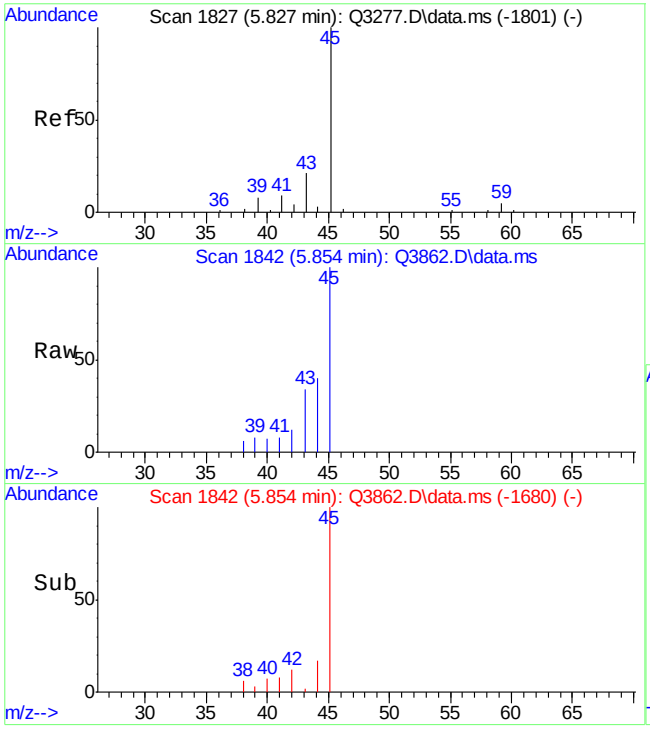


#10
TRICHLOROFLUOROMETHANE
Concen: 0.62 PPBV
RT: 5.792 min Scan# 1807
Delta R.T. 0.004 min
Lab File: Q3862.D
Acq: 29 Jun 2007 7:33 pm

Tgt Ion:101 Resp: 16466

Ion	Ratio	Lower	Upper
101	100		
103	40.1	44.3	84.3#
105	5.2	0.0	30.2

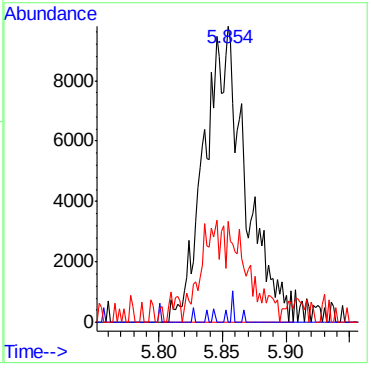


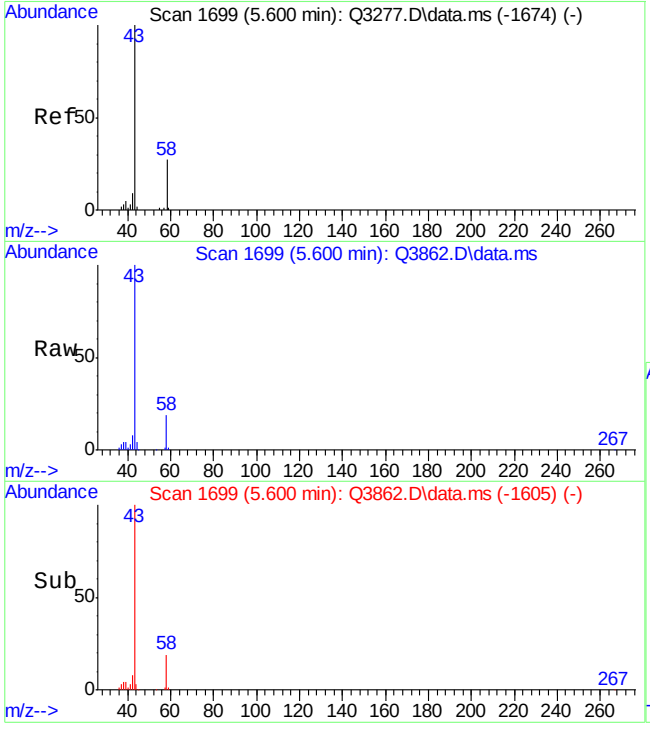


#11
ISOPROPYL ALCOHOL
Concen: 1.09 PPBV
RT: 5.854 min Scan# 1842
Delta R.T. 0.029 min
Lab File: Q3862.D
Acq: 29 Jun 2007 7:33 pm

Tgt Ion: 45 Resp: 21799

Ion	Ratio	Lower	Upper
45	100		
59	0.0	0.0	23.7
43	34.2	0.0	39.7

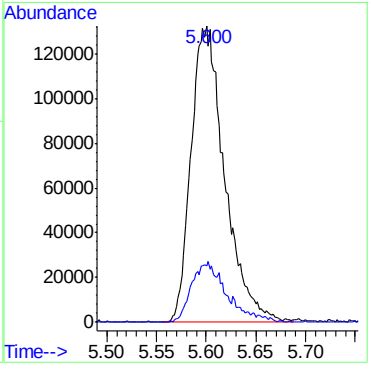


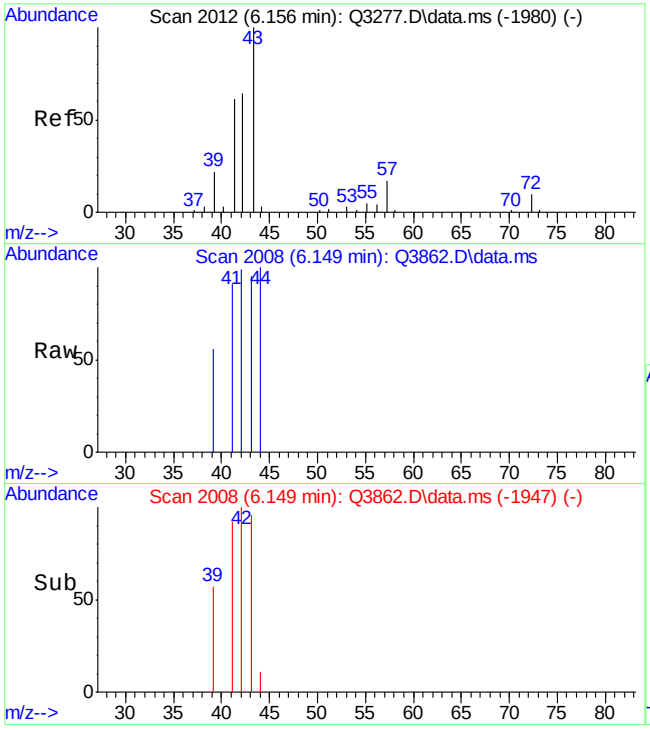


#12
ACETONE
Concen: 18.39 PPBV
RT: 5.600 min Scan# 1699
Delta R.T. 0.011 min
Lab File: Q3862.D
Acq: 29 Jun 2007 7:33 pm

Tgt Ion: 43 Resp: 311339

Ion	Ratio	Lower	Upper
43	100		
58	21.2	9.0	49.0

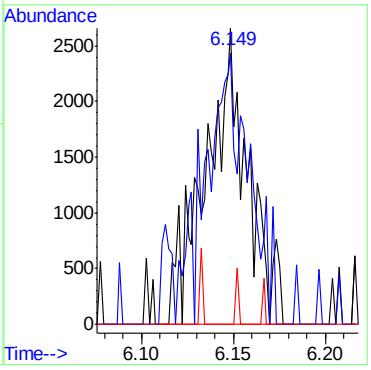


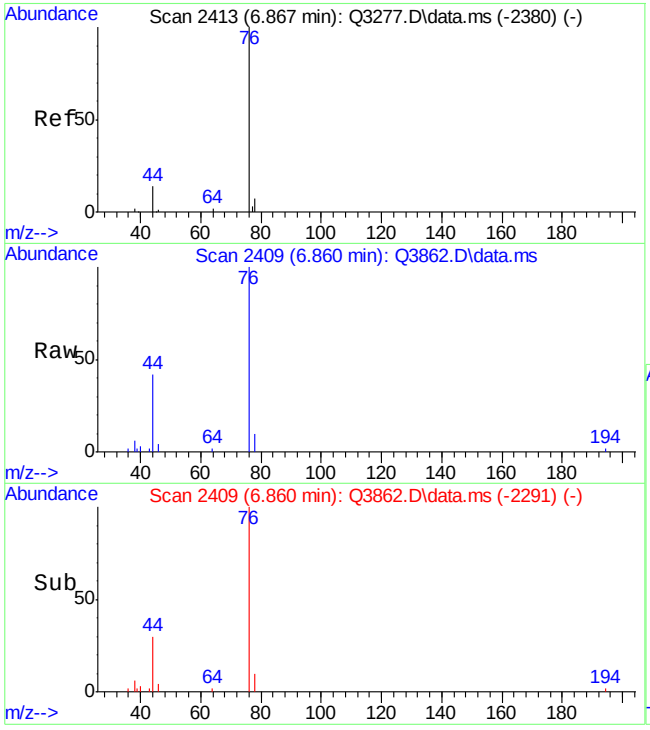


#13
PENTANE
Concen: 0.31 PPBV
RT: 6.149 min Scan# 2008
Delta R.T. 0.006 min
Lab File: Q3862.D
Acq: 29 Jun 2007 7:33 pm

Tgt Ion: 42 Resp: 4256

Ion	Ratio	Lower	Upper
42	100		
41	78.7	74.8	114.8
57	0.0	8.9	48.9#

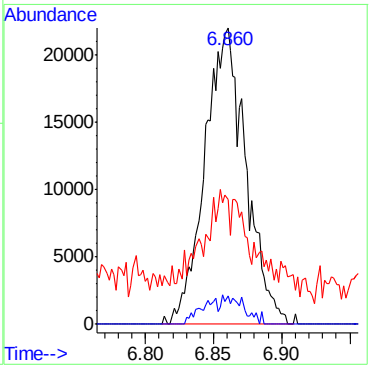


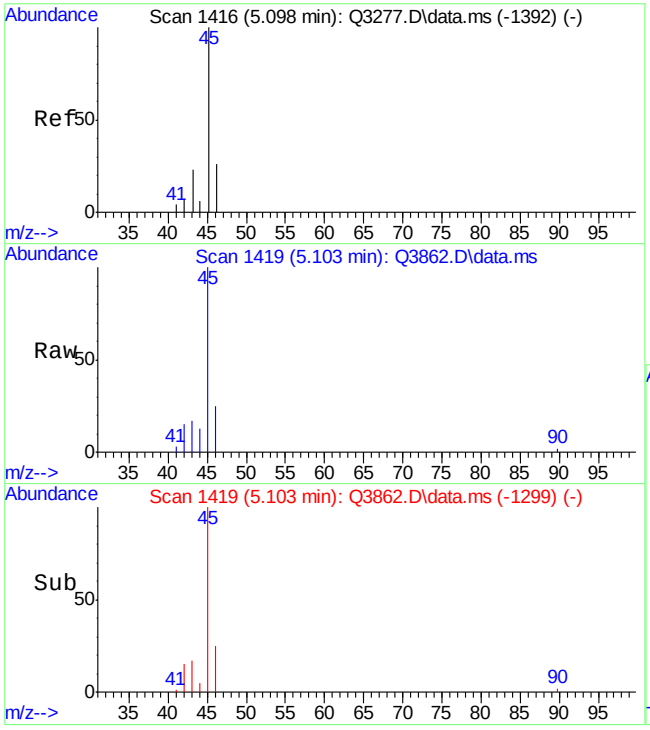


#15
CARBON DISULFIDE
Concen: 1.90 PPBV
RT: 6.860 min Scan# 2409
Delta R.T. 0.004 min
Lab File: Q3862.D
Acq: 29 Jun 2007 7:33 pm

Tgt Ion: 76 Resp: 45737

Ion	Ratio	Lower	Upper
76	100		
78	4.0	0.0	29.2
44	18.0	0.0	38.1

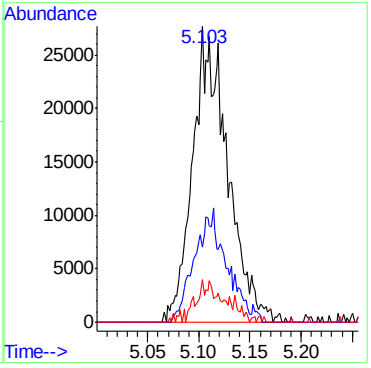


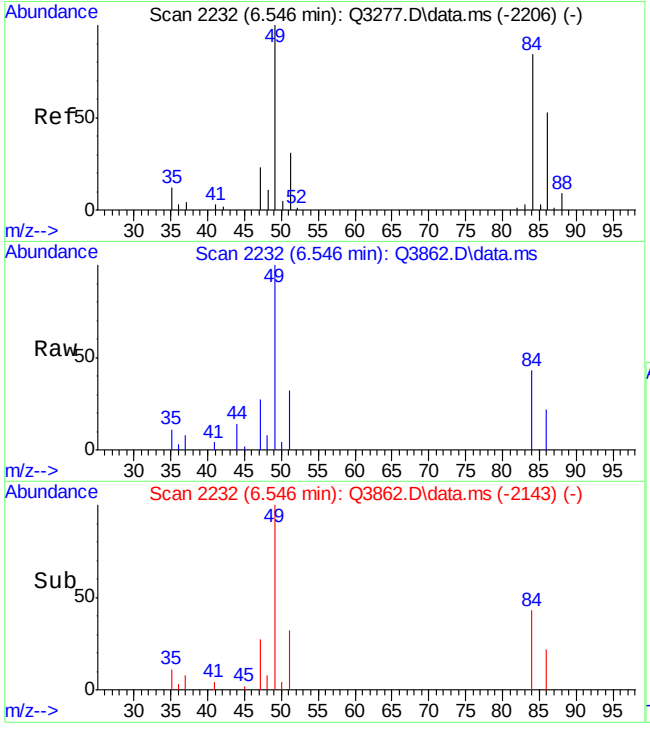


#16
ETHANOL
Concen: 16.93 PPBV
RT: 5.103 min Scan# 1419
Delta R.T. 0.007 min
Lab File: Q3862.D
Acq: 29 Jun 2007 7:33 pm

Tgt Ion: 45 Resp: 65702

Ion	Ratio	Lower	Upper
45	100		
46	35.6	14.7	54.7
42	9.5	0.0	28.4

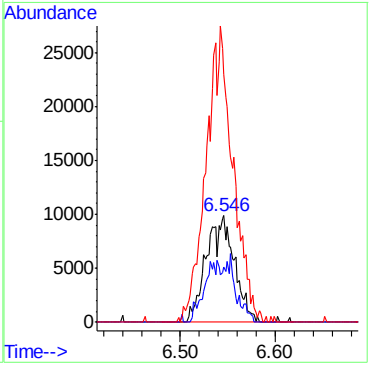


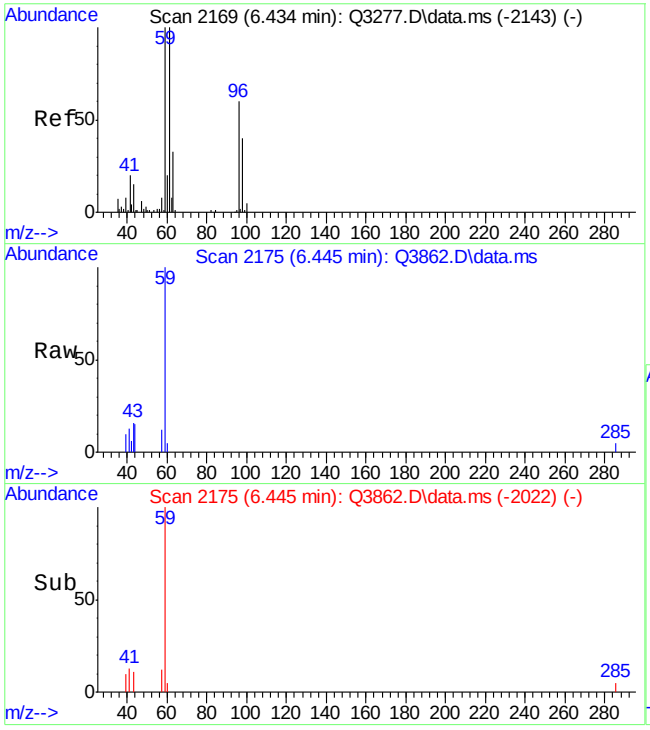


#18
METHYLENE CHLORIDE
Concen: 2.30 PPBV m
RT: 6.546 min Scan# 2232
Delta R.T. 0.007 min
Lab File: Q3862.D
Acq: 29 Jun 2007 7:33 pm

Tgt Ion: 84 Resp: 20398

Ion	Ratio	Lower	Upper
84	100		
86	32.2	44.1	84.1#
49	0.0	0.0	372.3

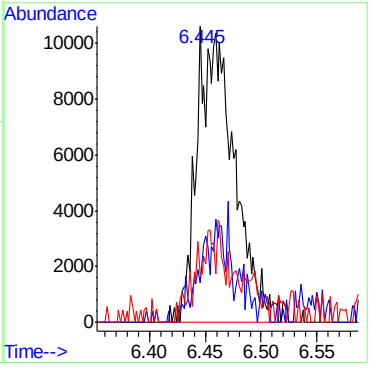


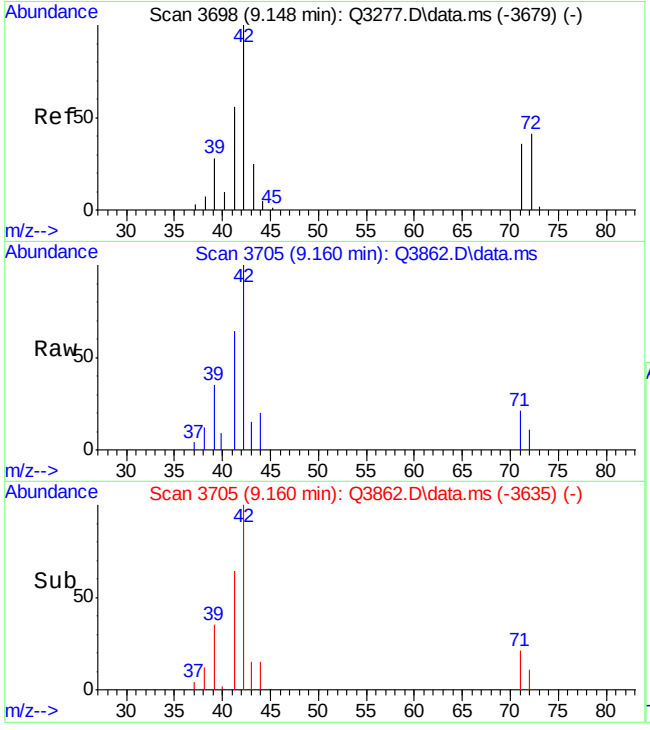


#22
TERTIARY BUTYL ALCOHOL
Concen: 1.15 PPBV
RT: 6.445 min Scan# 2175
Delta R.T. 0.014 min
Lab File: Q3862.D
Acq: 29 Jun 2007 7:33 pm

Tgt Ion: 59 Resp: 24766

Ion	Ratio	Lower	Upper
59	100		
41	10.6	0.0	36.4
43	7.3	0.0	33.4

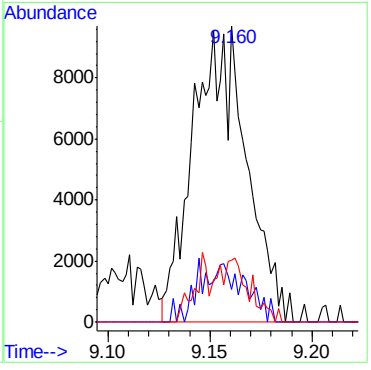


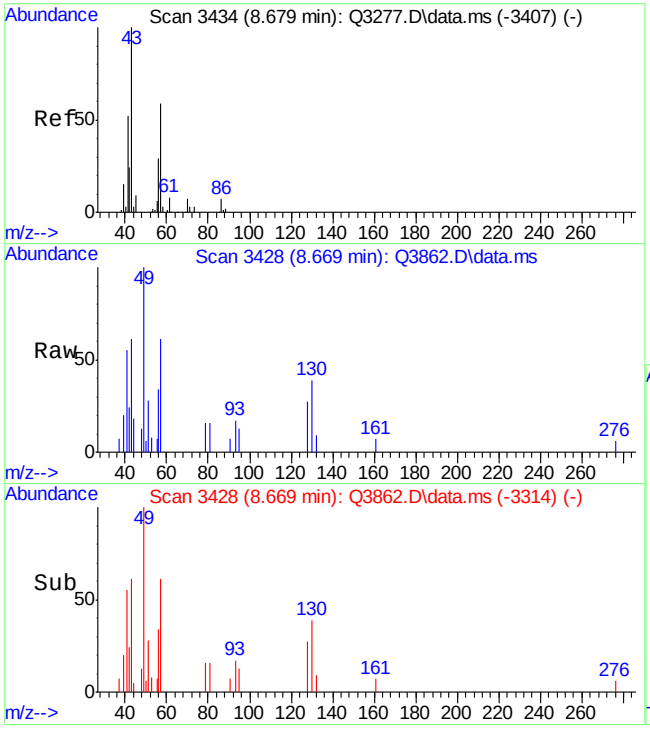


#24
TETRAHYDROFURAN
Concen: 1.73 PPBV
RT: 9.160 min Scan# 3705
Delta R.T. 0.021 min
Lab File: Q3862.D
Acq: 29 Jun 2007 7:33 pm

Tgt Ion: 42 Resp: 17573

Ion	Ratio	Lower	Upper
42	100		
72	6.0	8.7	48.7#
71	18.9	7.6	47.6

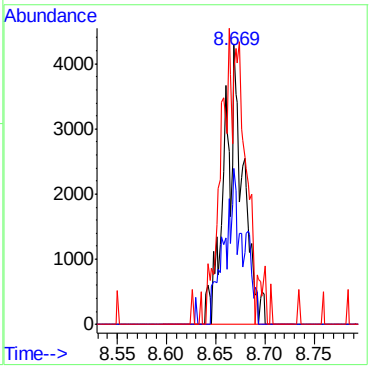


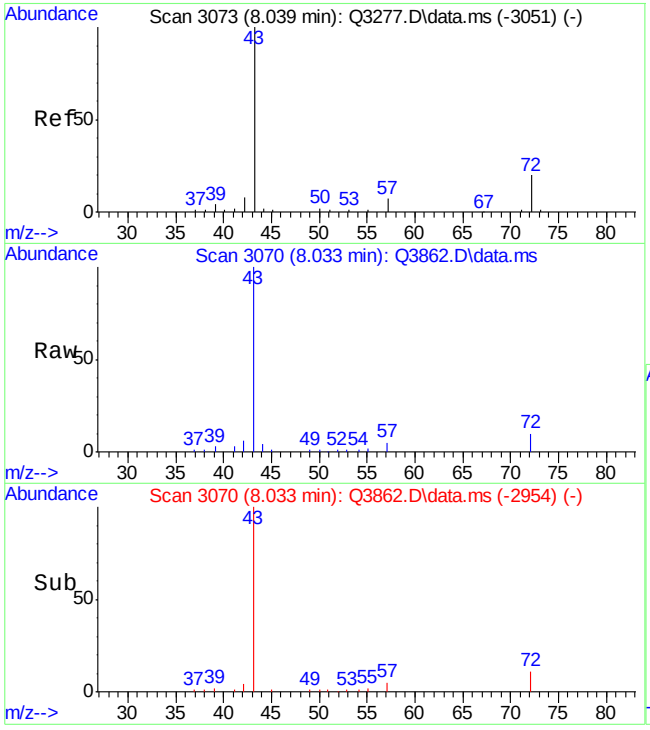


#25
HEXANE
Concen: 0.33 PPBV m
RT: 8.669 min Scan# 3428
Delta R.T. -0.003 min
Lab File: Q3862.D
Acq: 29 Jun 2007 7:33 pm

Tgt Ion: 57 Resp: 5666

Ion	Ratio	Lower	Upper
57	100		
56	43.5	34.3	74.3
41	65.0	58.9	98.9

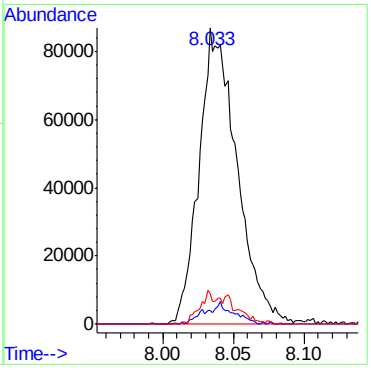


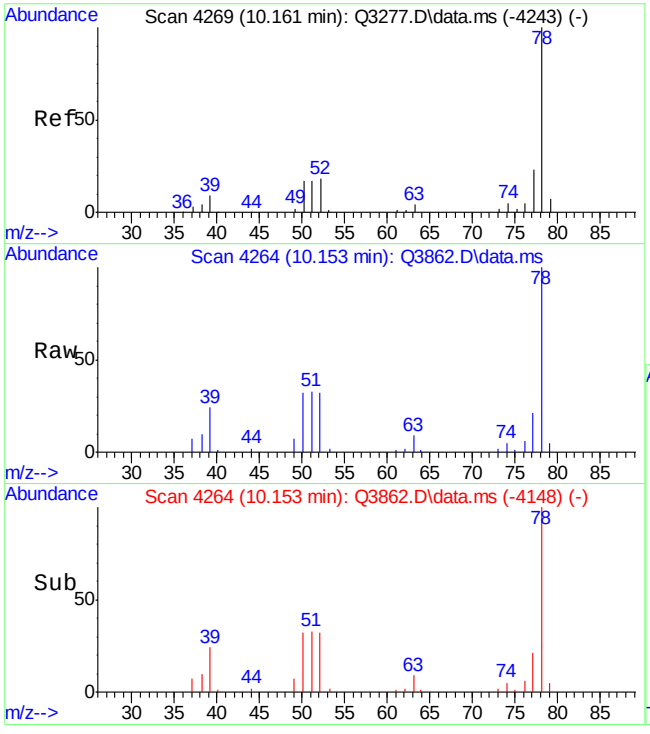


#28
METHYL ETHYL KETONE
Concen: 8.11 PPBV
RT: 8.033 min Scan# 3070
Delta R.T. -0.000 min
Lab File: Q3862.D
Acq: 29 Jun 2007 7:33 pm

Tgt Ion: 43 Resp: 160945

Ion	Ratio	Lower	Upper
43	100		
57	4.5	0.0	27.7
72	10.2	0.0	34.6

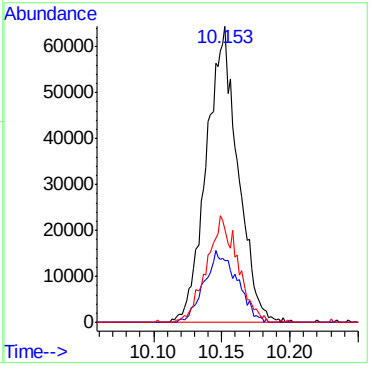


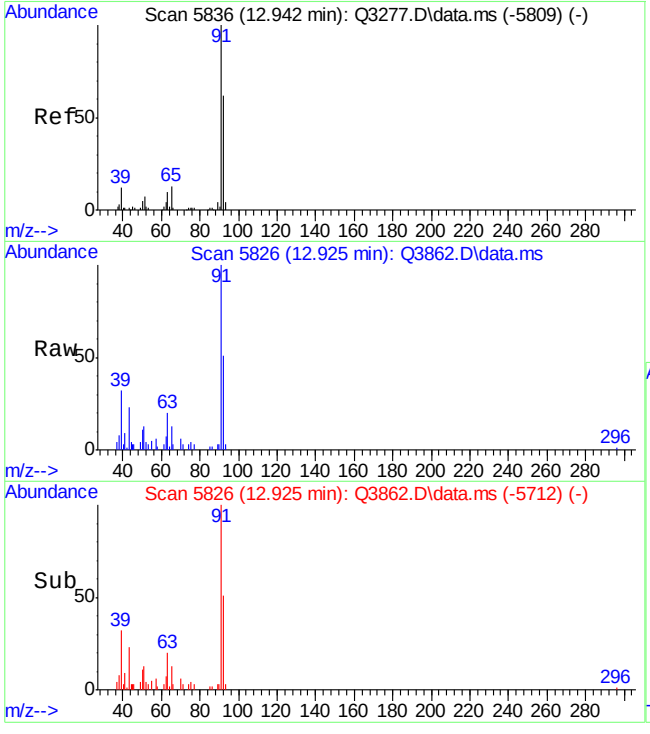


#36
BENZENE
Concen: 4.78 PPBV
RT: 10.153 min Scan# 4264
Delta R.T. 0.000 min
Lab File: Q3862.D
Acq: 29 Jun 2007 7:33 pm

Tgt Ion: 78 Resp: 103463

Ion	Ratio	Lower	Upper
78	100		
77	25.2	2.8	42.8
52	35.1	5.1	45.1

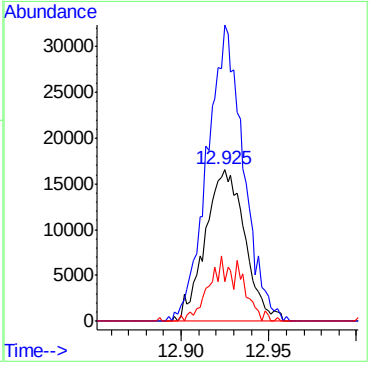


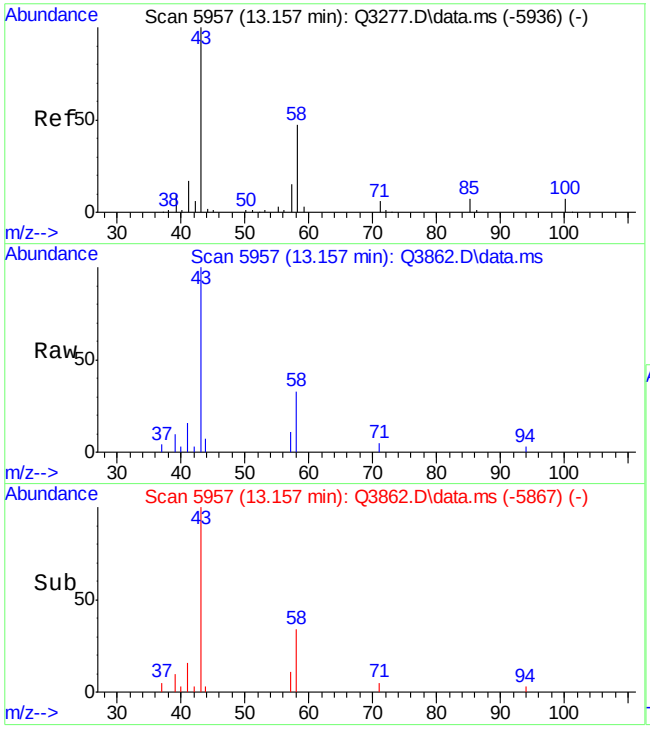


#46
TOLUENE
Concen: 1.91 PPBV
RT: 12.925 min Scan# 5826
Delta R.T. -0.004 min
Lab File: Q3862.D
Acq: 29 Jun 2007 7:33 pm

Tgt Ion: 92 Resp: 25985

Ion	Ratio	Lower	Upper
92	100		
91	179.1	149.0	189.0
65	34.6	4.1	44.1

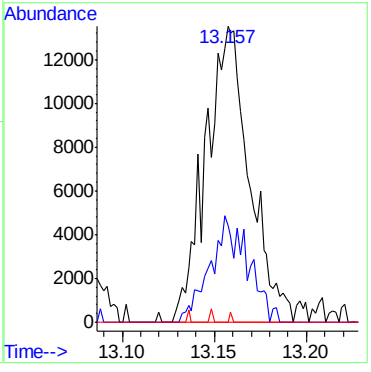


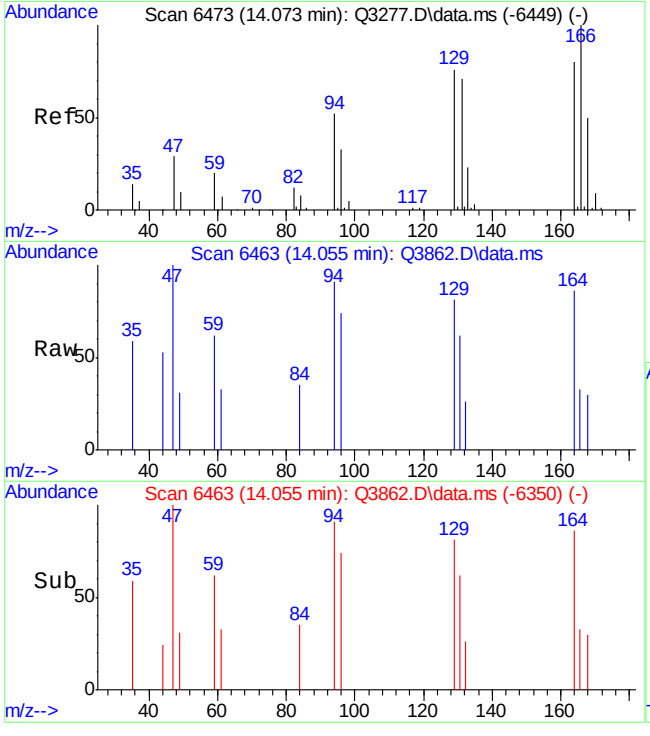


#50
2-HEXANONE
Concen: 1.46 PPBV
RT: 13.157 min Scan# 5957
Delta R.T. 0.005 min
Lab File: Q3862.D
Acq: 29 Jun 2007 7:33 pm

Tgt Ion: 43 Resp: 22363

Ion	Ratio	Lower	Upper
43	100		
58	31.1	32.0	72.0#
100	0.0	0.0	26.2

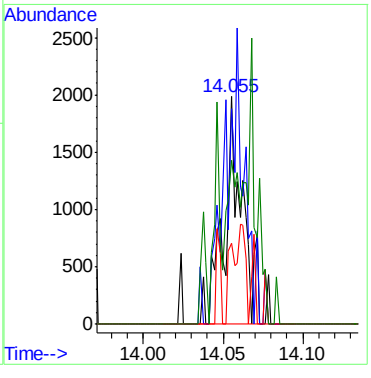




#51
TETRACHLOROETHYLENE
Concen: 0.24 PPBV m
RT: 14.055 min Scan# 6463
Delta R.T. -0.005 min
Lab File: Q3862.D
Acq: 29 Jun 2007 7:33 pm

Tgt Ion:164 Resp: 1654

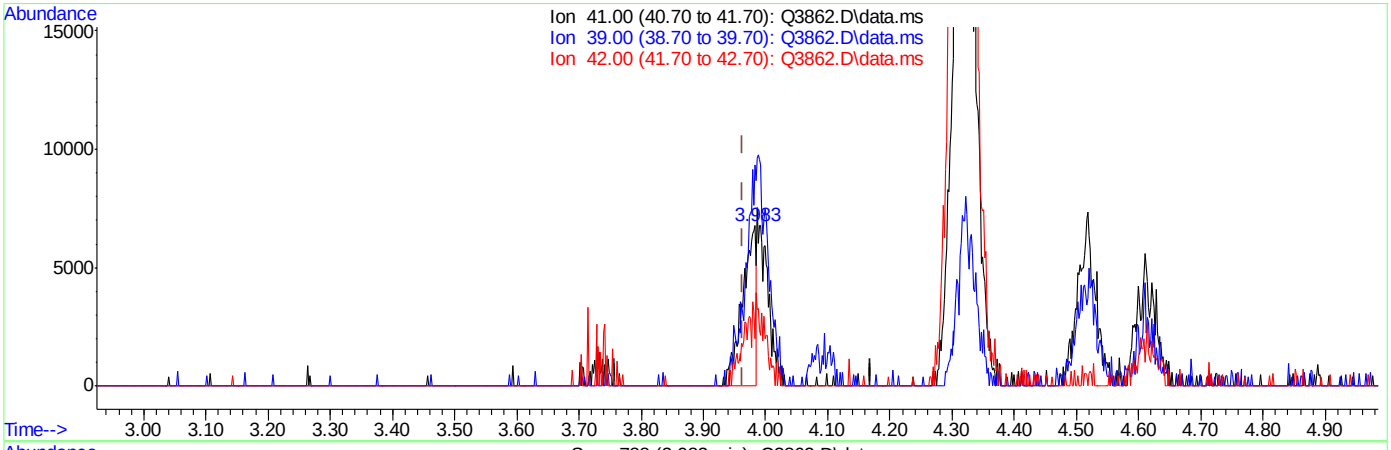
Ion	Ratio	Lower	Upper
164	100		
129	128.1	87.3	127.3#
168	37.8	39.5	79.5#
131	94.9	88.3	128.3

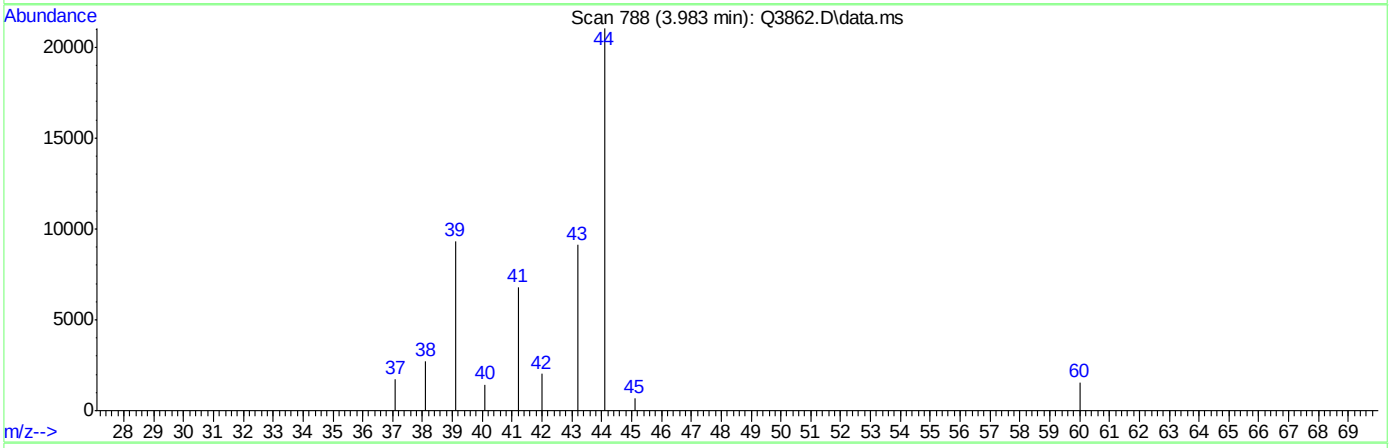


Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\
Data File : Q3862.D
Acq On : 29 Jun 2007 7:33 pm
Operator : PhilipB
Sample : M65795-2R
Misc : MS13857, MSQ207,,,,,1
ALS Vial : 5 Sample Multiplier: 1

Quant Time: Jul 02 09:51:42 2007
Quant Method : C:\msdchem\1\METHODS\Q062707T.m
Quant Title : TO15 by GCMS w/DB-1 60 m X .25 mm ID 1.0 um
QLast Update : Wed Jun 27 17:20:02 2007
Response via : Initial Calibration





TIC: Q3862.D\data.ms

(3) PROPYLENE (m)

3.983min (+0.020) 0.95PPBV

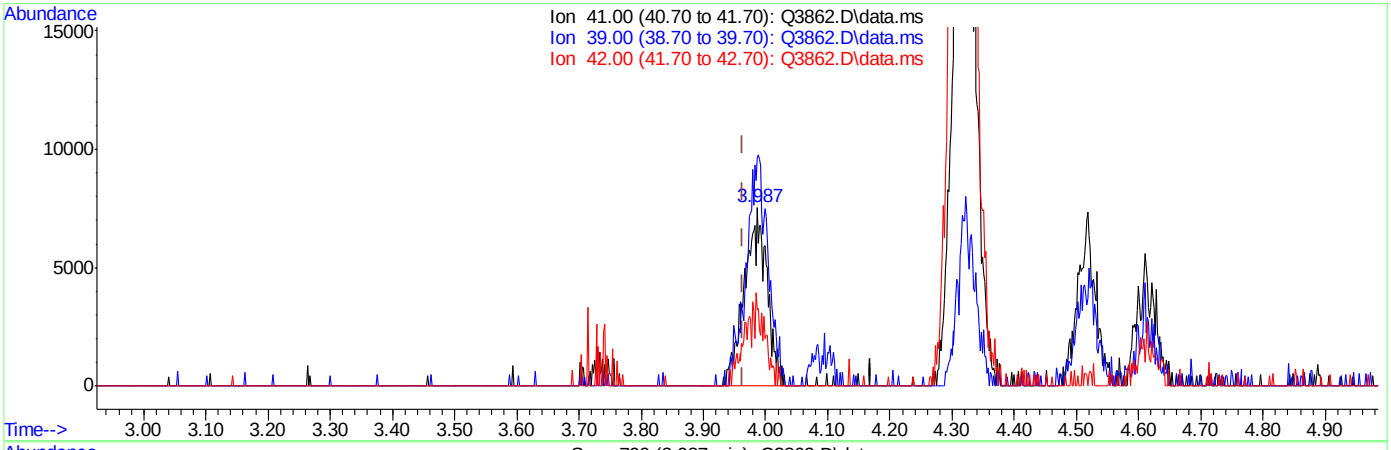
response 10333

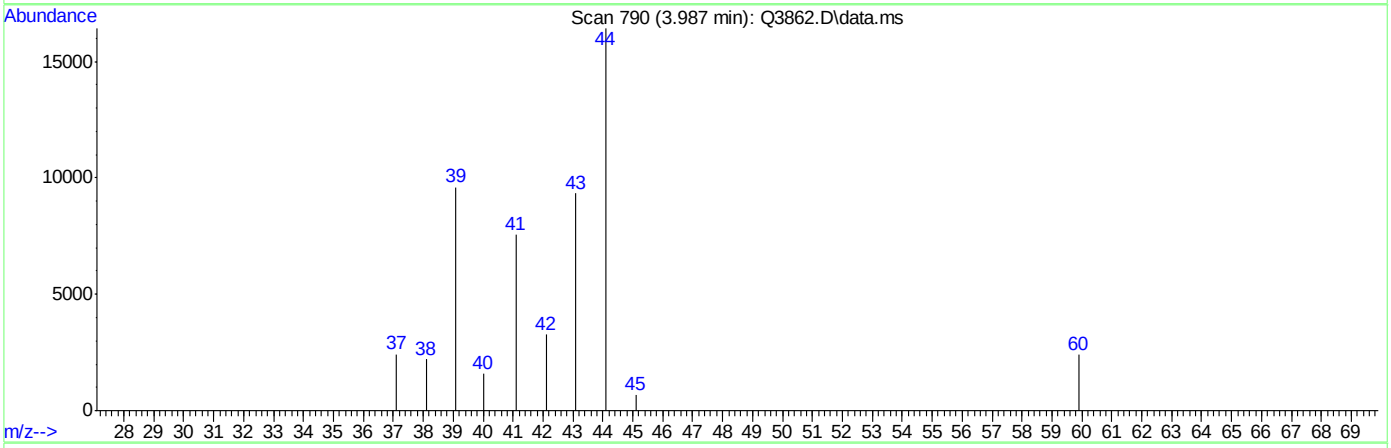
Ion	Exp%	Act%
41.00	100	100
39.00	72.50	137.36#
42.00	67.80	29.71#
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\
Data File : Q3862.D
Acq On : 29 Jun 2007 7:33 pm
Operator : PhilipB
Sample : M65795-2R
Misc : MS13857, MSQ207,,,,,1
ALS Vial : 5 Sample Multiplier: 1

Quant Time: Jul 02 09:51:42 2007
Quant Method : C:\msdchem\1\METHODS\Q062707T.m
Quant Title : TO15 by GCMS w/DB-1 60 m X .25 mm ID 1.0 um
QLast Update : Wed Jun 27 17:20:02 2007
Response via : Initial Calibration





TIC: Q3862.D\data.ms

(3) PROPYLENE (m)

3.987min (+0.023) 1.75PPBV m

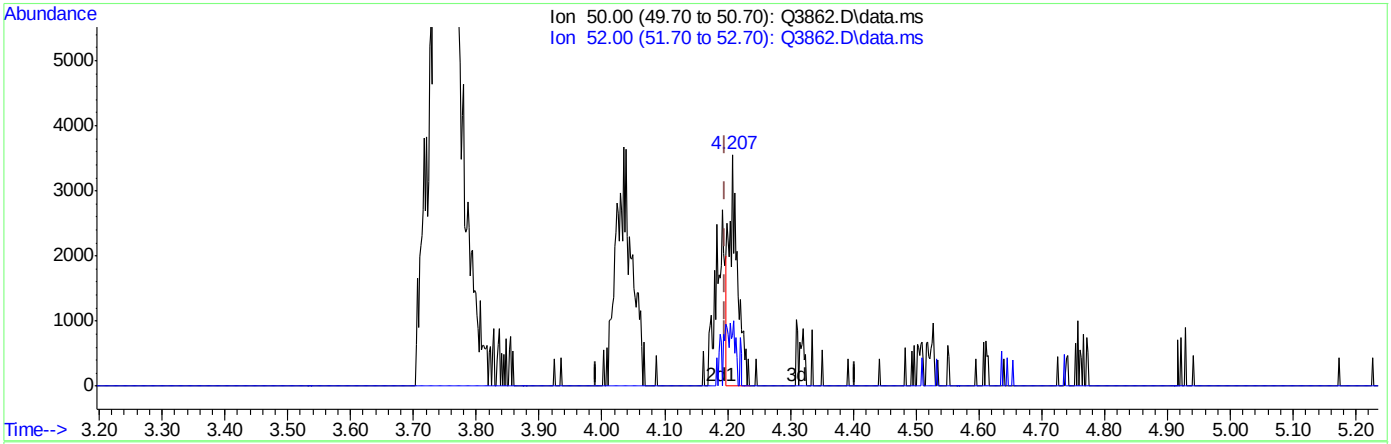
response 18993

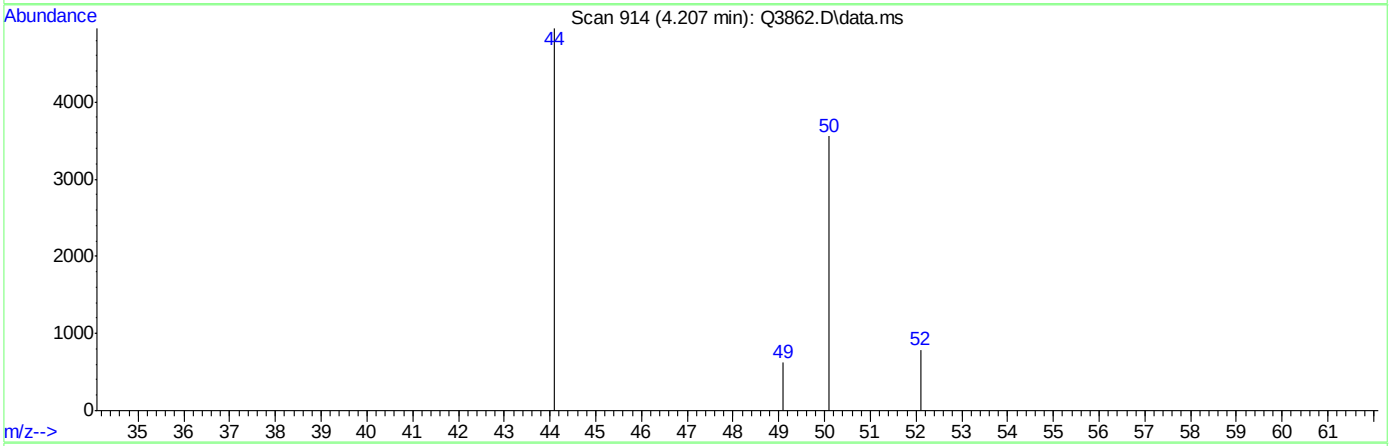
Ion	Exp%	Act%
41.00	100	100
39.00	72.50	127.23#
42.00	67.80	43.15#
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\
Data File : Q3862.D
Acq On : 29 Jun 2007 7:33 pm
Operator : PhilipB
Sample : M65795-2R
Misc : MS13857, MSQ207,,,,,1
ALS Vial : 5 Sample Multiplier: 1

Quant Time: Jul 02 09:51:42 2007
Quant Method : C:\msdchem\1\METHODS\Q062707T.m
Quant Title : TO15 by GCMS w/DB-1 60 m X .25 mm ID 1.0 um
QLast Update : Wed Jun 27 17:20:02 2007
Response via : Initial Calibration





TIC: Q3862.D\data.ms

(5) CHLOROMETHANE (m)

4.207min (+0.011) 0.25PPBV

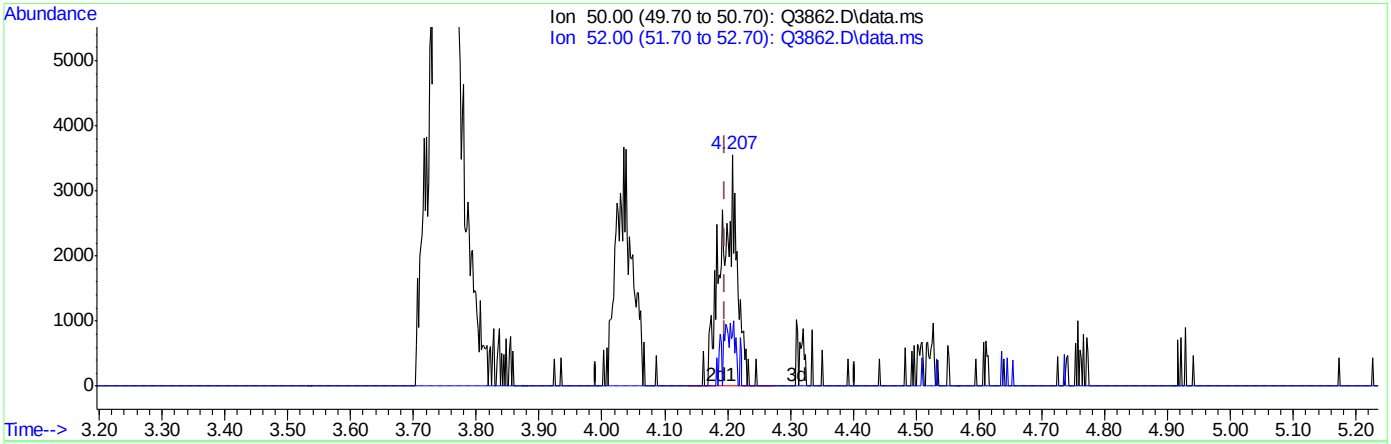
response 3421

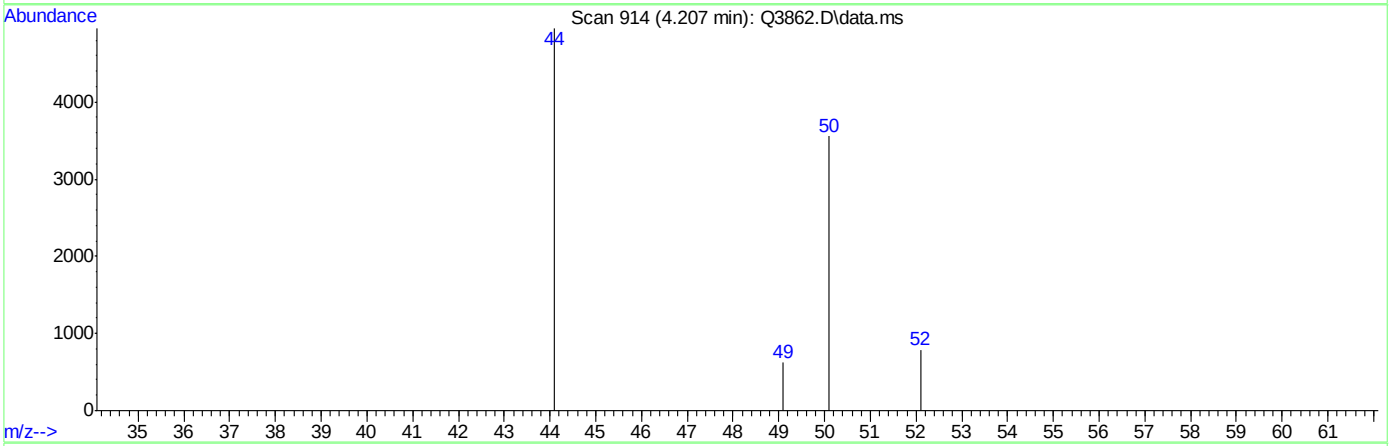
Ion	Exp%	Act%
50.00	100	100
52.00	32.20	12.05#
0.00	0.00	0.00
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\
Data File : Q3862.D
Acq On : 29 Jun 2007 7:33 pm
Operator : PhilipB
Sample : M65795-2R
Misc : MS13857, MSQ207,,,,,1
ALS Vial : 5 Sample Multiplier: 1

Quant Time: Jul 02 09:51:42 2007
Quant Method : C:\msdchem\1\METHODS\Q062707T.m
Quant Title : TO15 by GCMS w/DB-1 60 m X .25 mm ID 1.0 um
QLast Update : Wed Jun 27 17:20:02 2007
Response via : Initial Calibration





TIC: Q3862.D\data.ms

(5) CHLOROMETHANE (m)

4.207min (+0.011) 0.44PPBV m

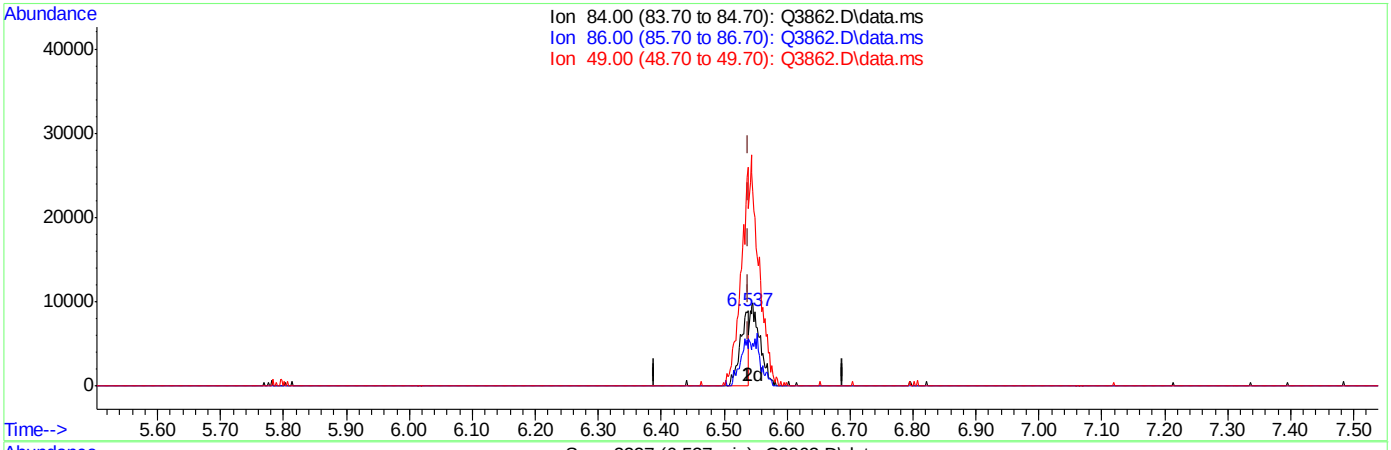
response 6150

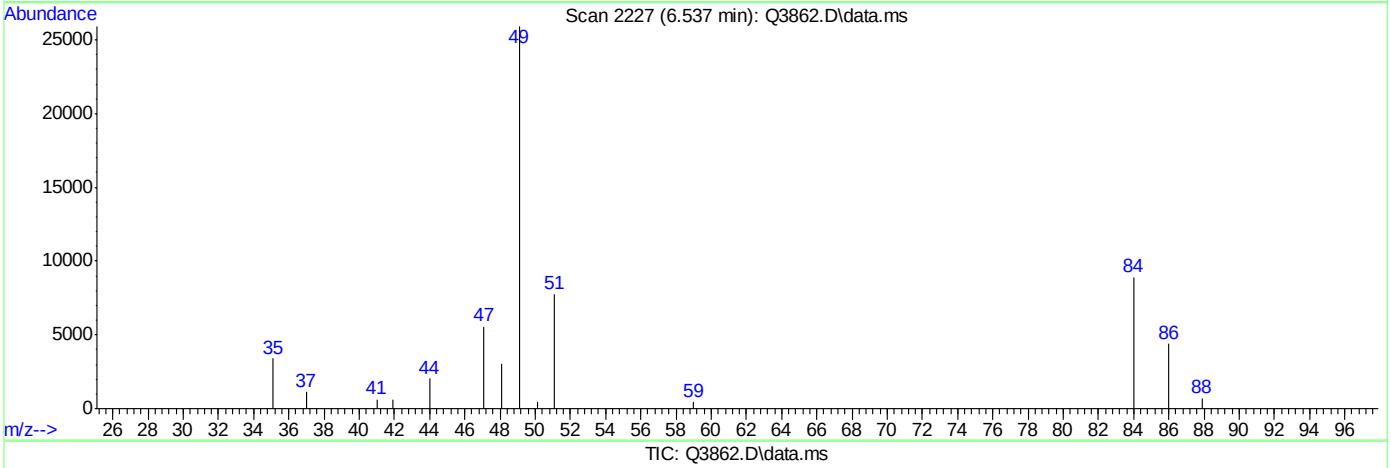
Ion	Exp%	Act%
50.00	100	100
52.00	32.20	22.08
0.00	0.00	0.00
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\
Data File : Q3862.D
Acq On : 29 Jun 2007 7:33 pm
Operator : PhilipB
Sample : M65795-2R
Misc : MS13857, MSQ207,,,,,1
ALS Vial : 5 Sample Multiplier: 1

Quant Time: Jul 02 09:51:42 2007
Quant Method : C:\msdchem\1\METHODS\Q062707T.m
Quant Title : TO15 by GCMS w/DB-1 60 m X .25 mm ID 1.0 um
QLast Update : Wed Jun 27 17:20:02 2007
Response via : Initial Calibration





TIC: Q3862.D\data.ms

(18) METHYLENE CHLORIDE (m)

6.537min (-0.002) 0.71PPBV

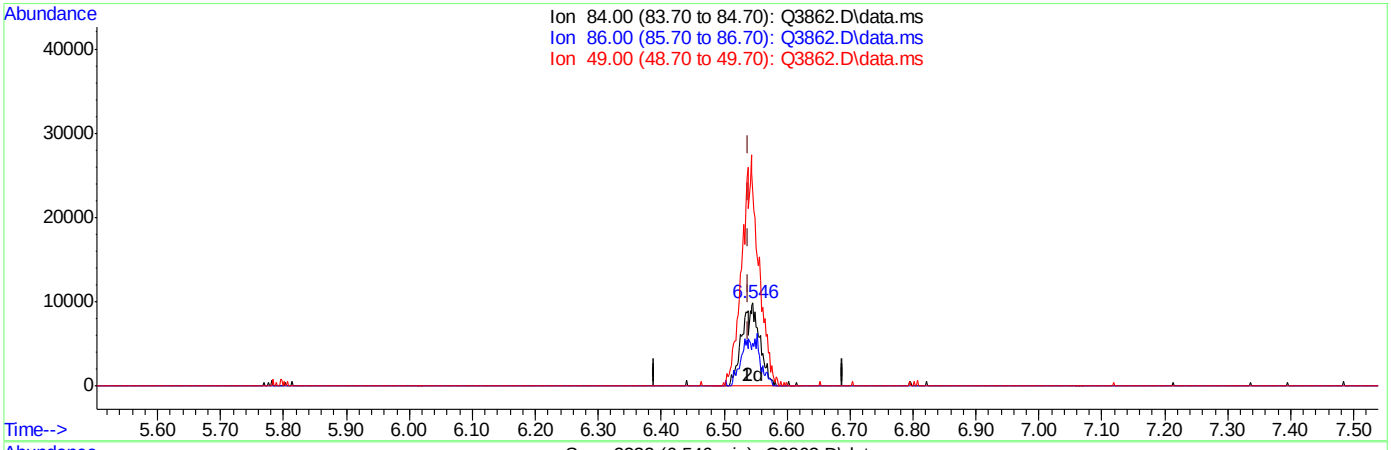
response 8862

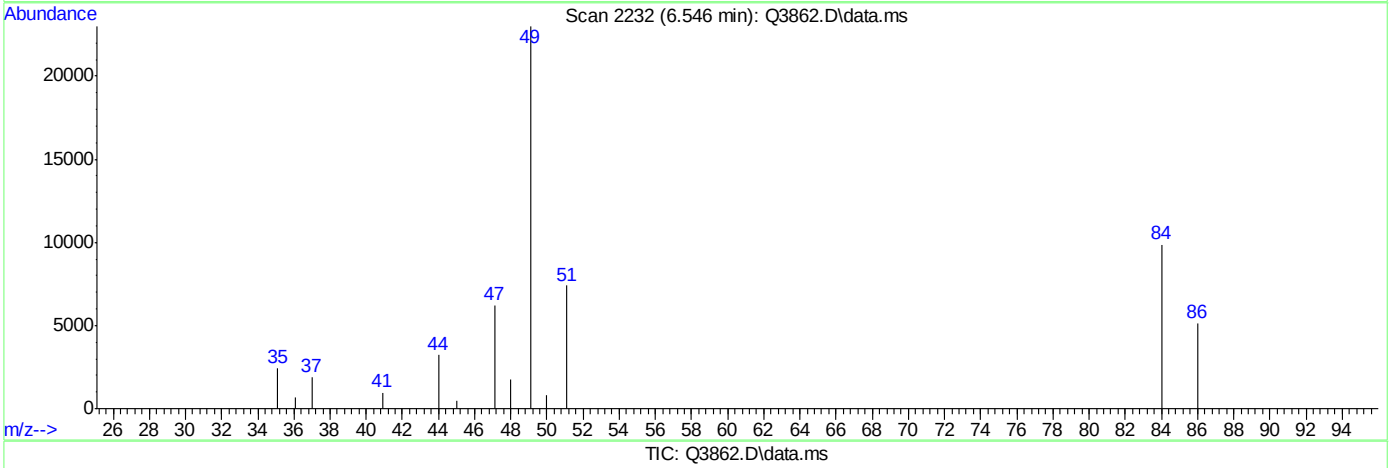
Ion	Exp%	Act%
84.00	100	100
86.00	64.10	74.22
49.00	172.30	0.00
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\
Data File : Q3862.D
Acq On : 29 Jun 2007 7:33 pm
Operator : PhilipB
Sample : M65795-2R
Misc : MS13857, MSQ207,,,,,1
ALS Vial : 5 Sample Multiplier: 1

Quant Time: Jul 02 09:51:42 2007
Quant Method : C:\msdchem\1\METHODS\Q062707T.m
Quant Title : TO15 by GCMS w/DB-1 60 m X .25 mm ID 1.0 um
QLast Update : Wed Jun 27 17:20:02 2007
Response via : Initial Calibration





TIC: Q3862.D\data.ms

(18) METHYLENE CHLORIDE (m)

6.546min (+0.007) 2.30PPBV m

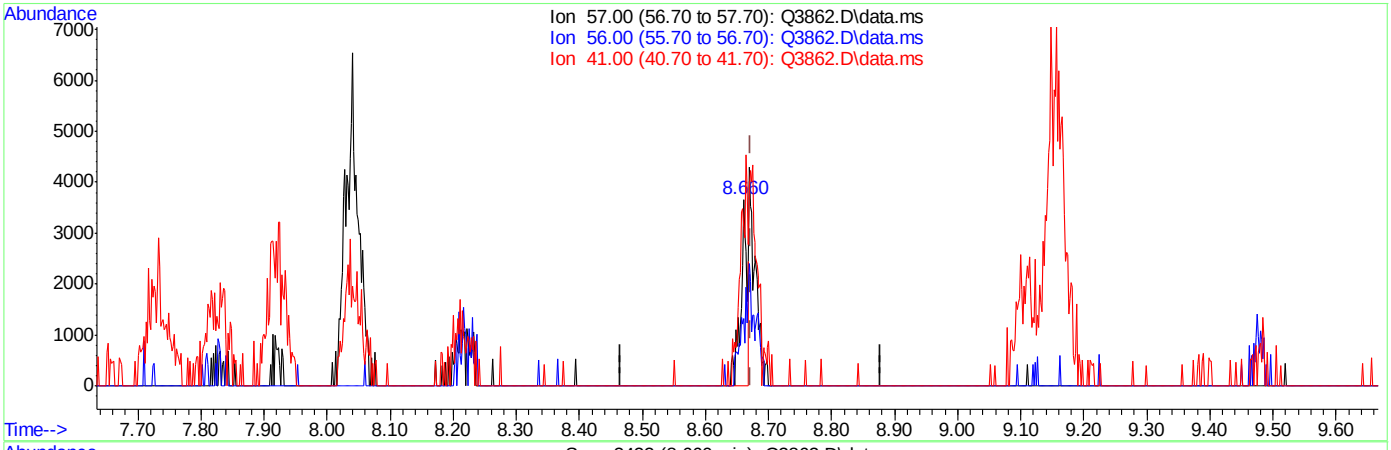
response 20398

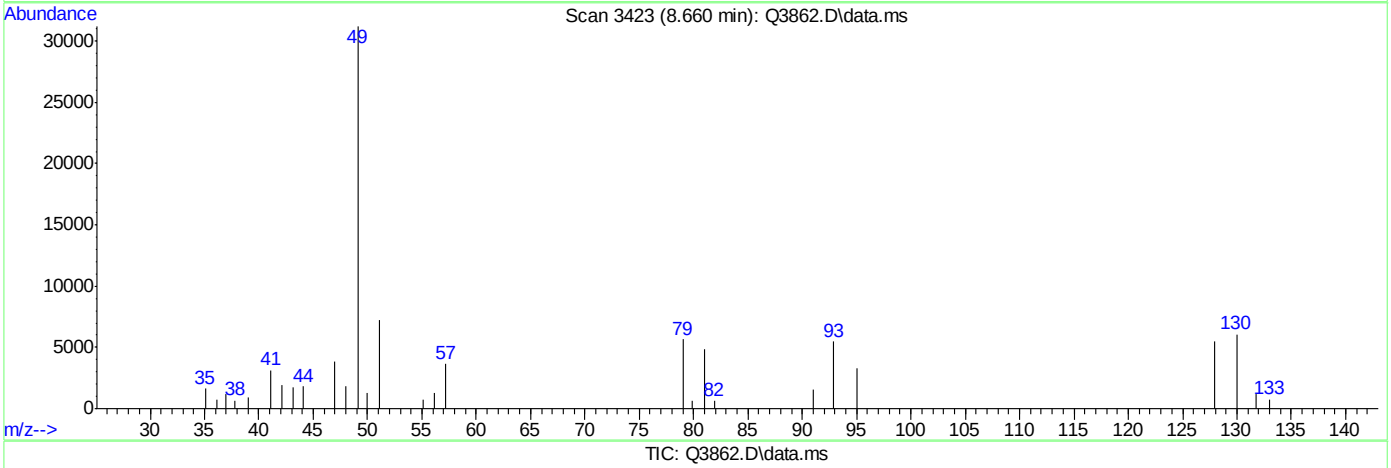
Ion	Exp%	Act%
84.00	100	100
86.00	64.10	32.24#
49.00	172.30	0.00
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\
Data File : Q3862.D
Acq On : 29 Jun 2007 7:33 pm
Operator : PhilipB
Sample : M65795-2R
Misc : MS13857, MSQ207,,,,,1
ALS Vial : 5 Sample Multiplier: 1

Quant Time: Jul 02 09:51:42 2007
Quant Method : C:\msdchem\1\METHODS\Q062707T.m
Quant Title : TO15 by GCMS w/DB-1 60 m X .25 mm ID 1.0 um
QLast Update : Wed Jun 27 17:20:02 2007
Response via : Initial Calibration





TIC: Q3862.D\data.ms

(25) HEXANE (m)

8.660min (-0.012) 0.15PPBV

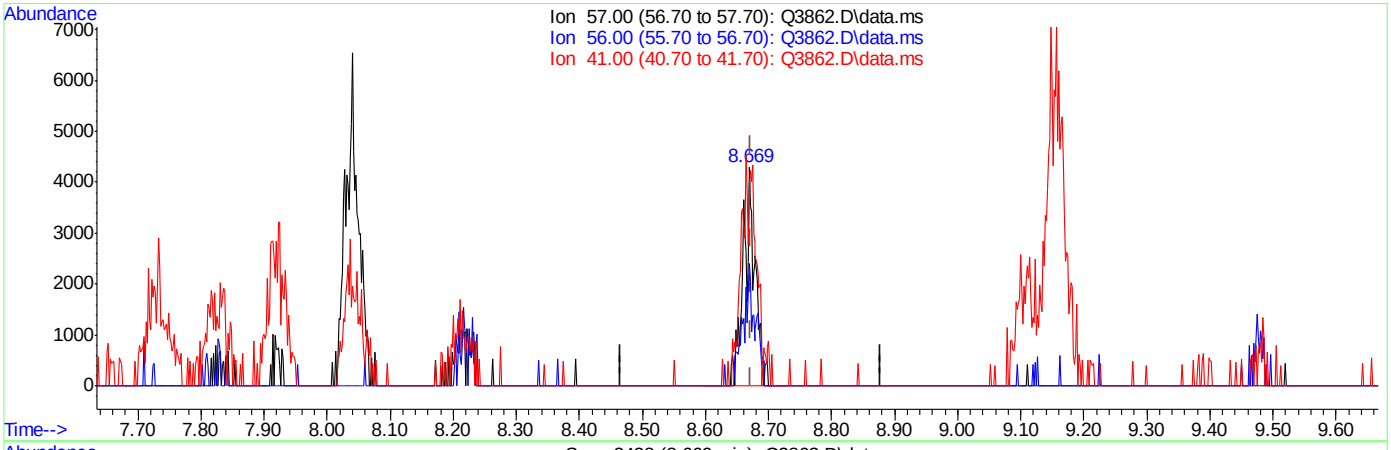
response 2550

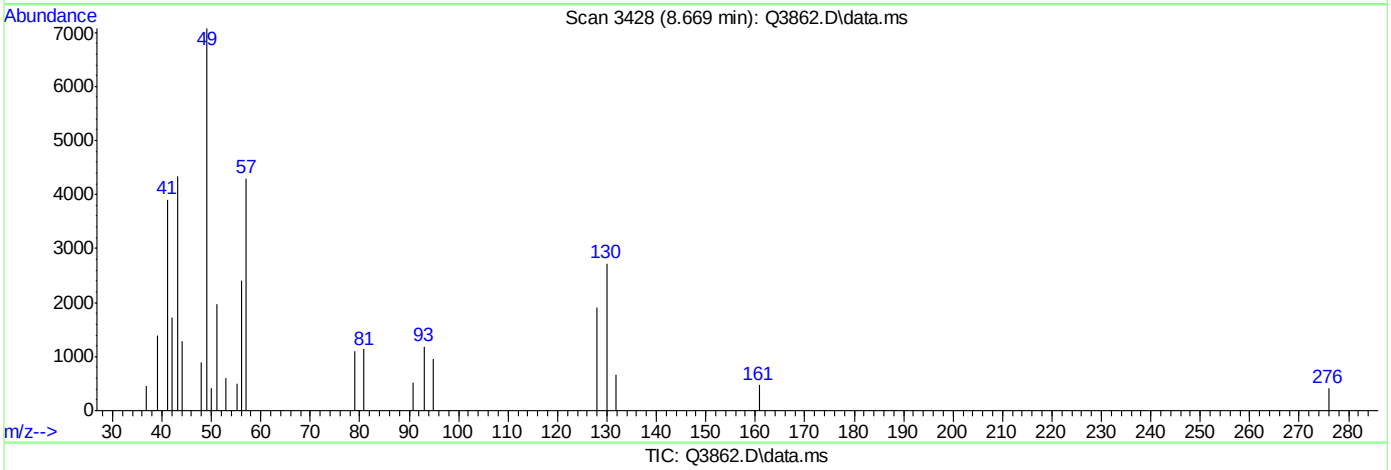
Ion	Exp%	Act%
57.00	100	100
56.00	54.30	96.55#
41.00	78.90	144.39#
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\
Data File : Q3862.D
Acq On : 29 Jun 2007 7:33 pm
Operator : PhilipB
Sample : M65795-2R
Misc : MS13857, MSQ207,,,,,1
ALS Vial : 5 Sample Multiplier: 1

Quant Time: Jul 02 09:51:42 2007
Quant Method : C:\msdchem\1\METHODS\Q062707T.m
Quant Title : TO15 by GCMS w/DB-1 60 m X .25 mm ID 1.0 um
QLast Update : Wed Jun 27 17:20:02 2007
Response via : Initial Calibration





TIC: Q3862.D\data.ms

(25) HEXANE (m)

8.669min (-0.003) 0.33PPBV m

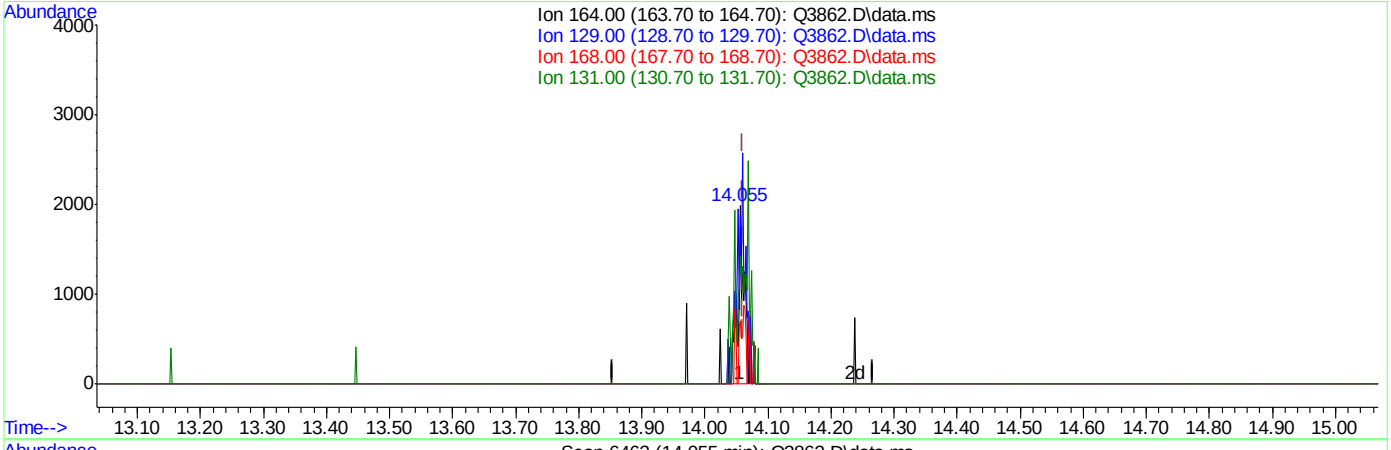
response 5666

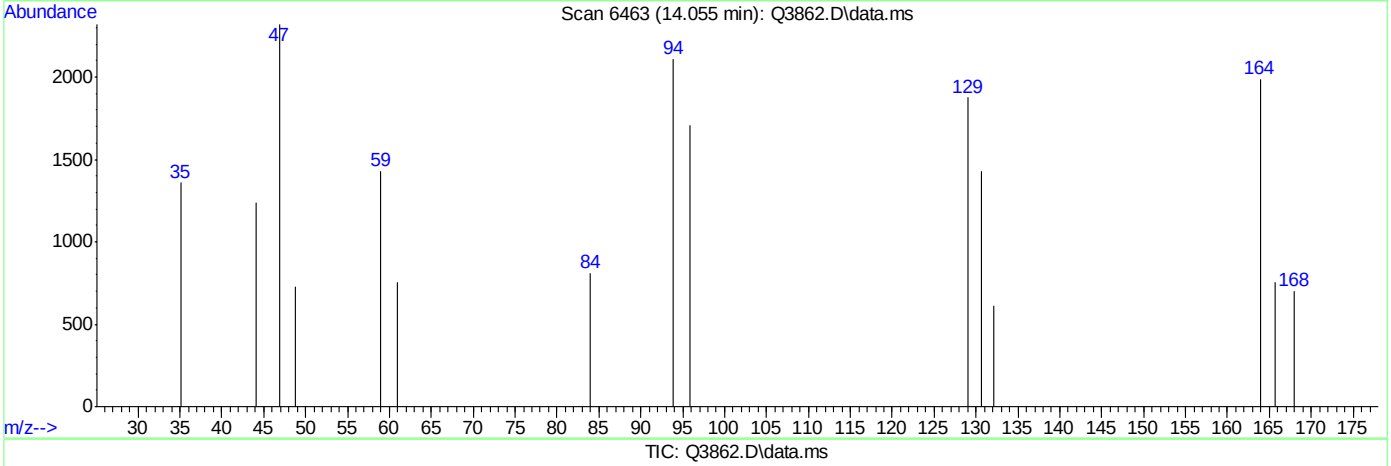
Ion	Exp%	Act%
57.00	100	100
56.00	54.30	43.45
41.00	78.90	64.98
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\
Data File : Q3862.D
Acq On : 29 Jun 2007 7:33 pm
Operator : PhilipB
Sample : M65795-2R
Misc : MS13857, MSQ207,,,,,1
ALS Vial : 5 Sample Multiplier: 1

Quant Time: Jul 02 09:51:42 2007
Quant Method : C:\msdchem\1\METHODS\Q062707T.m
Quant Title : TO15 by GCMS w/DB-1 60 m X .25 mm ID 1.0 um
QLast Update : Wed Jun 27 17:20:02 2007
Response via : Initial Calibration





TIC: Q3862.D\data.ms

(51) TETRACHLOROETHYLENE (m)

14.055min (-0.005) 0.20PPBV

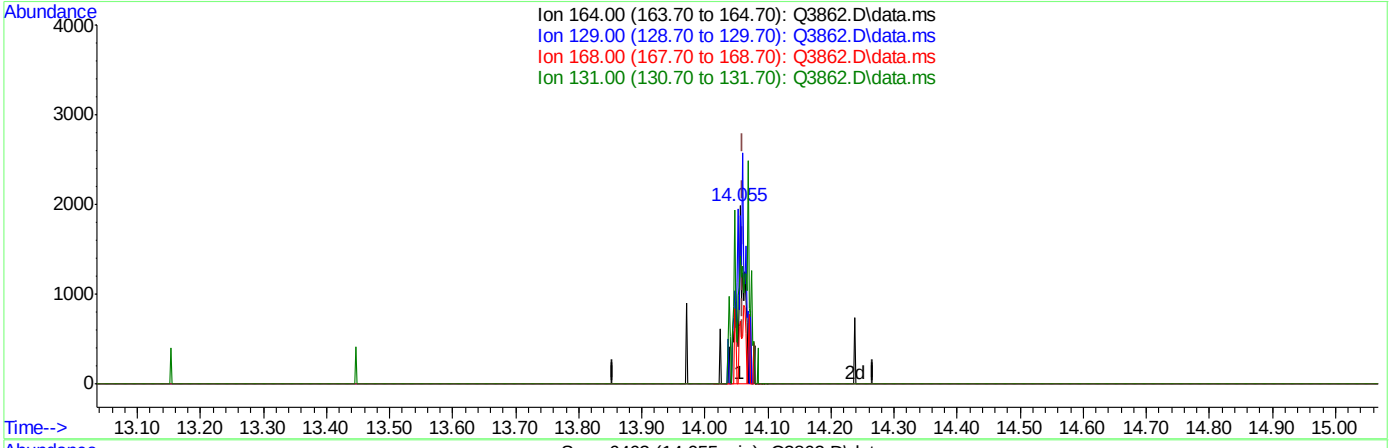
response 1394

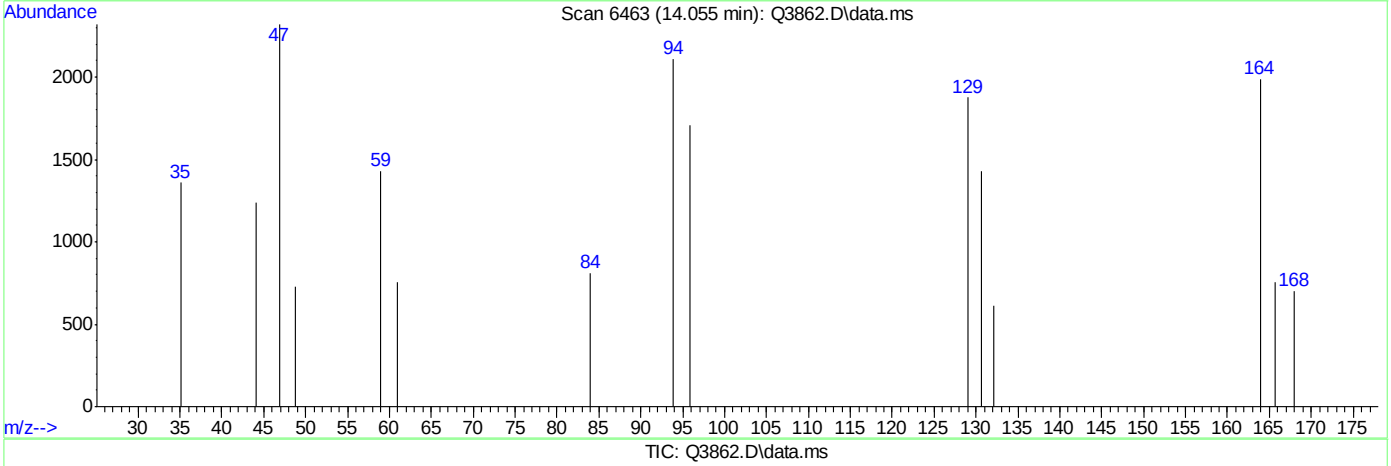
Ion	Exp%	Act%
164.00	100	100
129.00	107.30	151.94#
168.00	59.50	44.91
131.00	108.30	112.55

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\
Data File : Q3862.D
Acq On : 29 Jun 2007 7:33 pm
Operator : PhilipB
Sample : M65795-2R
Misc : MS13857, MSQ207,,,,,1
ALS Vial : 5 Sample Multiplier: 1

Quant Time: Jul 02 09:51:42 2007
Quant Method : C:\msdchem\1\METHODS\Q062707T.m
Quant Title : TO15 by GCMS w/DB-1 60 m X .25 mm ID 1.0 um
QLast Update : Wed Jun 27 17:20:02 2007
Response via : Initial Calibration





TIC: Q3862.D\data.ms

(51) TETRACHLOROETHYLENE (m)

14.055min (-0.005) 0.24PPBV m

response 1654

Ion	Exp%	Act%
164.00	100	100
129.00	107.30	128.05#
168.00	59.50	37.85#
131.00	108.30	94.86

Manual Integrations
APPROVED
(compounds with "m" flag)
Doug Yargeau
07/06/07 11:19

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\
Data File : Q3858.D
Acq On : 29 Jun 2007 4:39 pm
Operator : PhilipB
Sample : MB (M016)
Misc : MS13857, MSQ207,,,,,1
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Jun 29 17:18:22 2007
Quant Method : C:\msdchem\1\METHODS\Q062707T.m
Quant Title : TO15 by GCMS w/DB-1 60 m X .25 mm ID 1.0 um
QLast Update : Wed Jun 27 17:20:02 2007
Response via : Initial Calibration

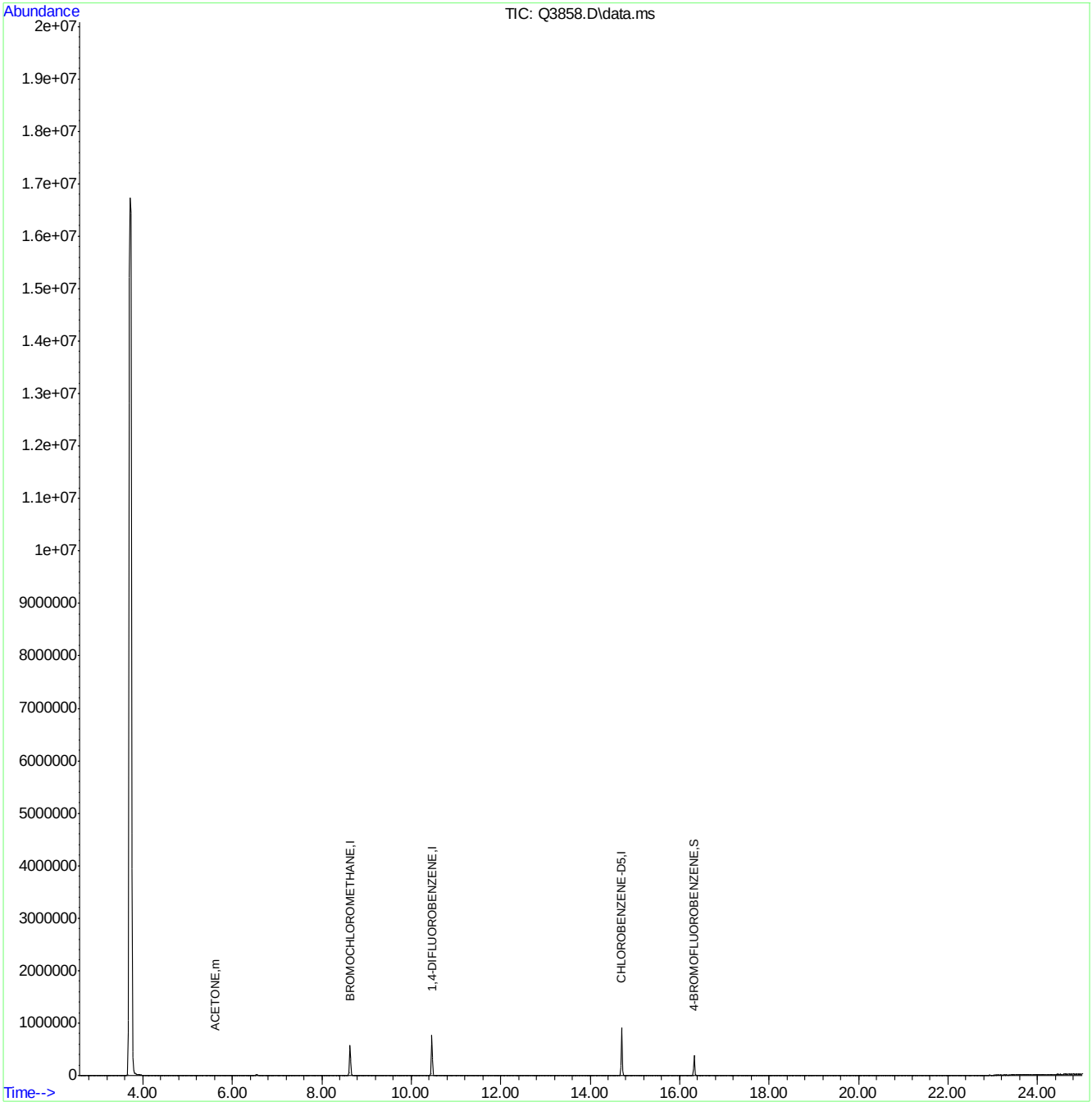
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) BROMOCHLOROMETHANE	8.630	128	82601	10.00	PPBV	0.00
35) 1,4-DIFLUOROBENZENE	10.461	114	417283	10.00	PPBV	0.00
49) CHLOROBENZENE-D5	14.705	117	319008	10.00	PPBV	0.00
System Monitoring Compounds						
61) 4-BROMOFLUOROBENZENE	16.327	95	119590	4.84	PPBV	0.00
Spiked Amount 5.000	Range 57 - 139		Recovery = 96.80%			
Target Compounds						Qvalue
12) ACETONE	5.621	43	9334m	0.44	PPBV	

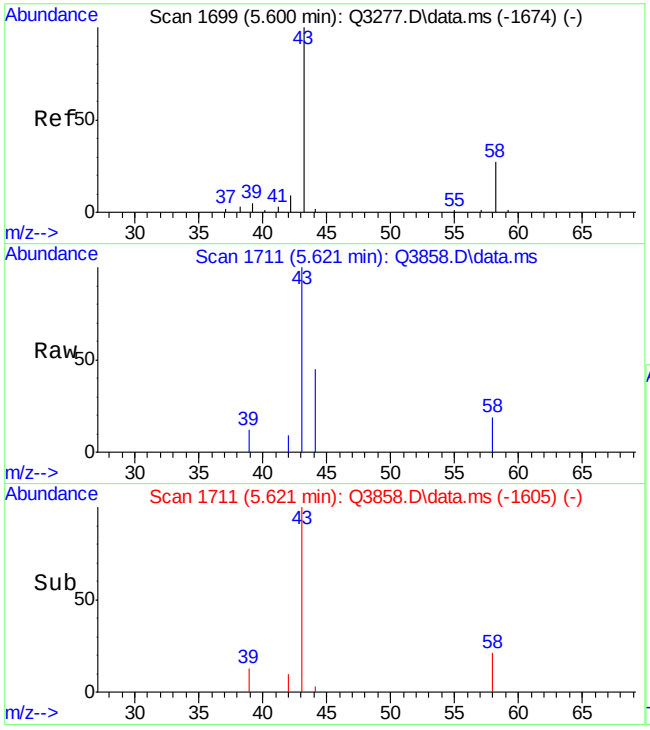
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\
Data File : Q3858.D
Acq On : 29 Jun 2007 4:39 pm
Operator : PhilipB
Sample : MB (M016)
Misc : MS13857, MSQ207,,,,,1
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Jun 29 17:18:22 2007
Quant Method : C:\msdchem\1\METHODS\Q062707T.m
Quant Title : TO15 by GCMS w/DB-1 60 m X .25 mm ID 1.0 um
QLast Update : Wed Jun 27 17:20:02 2007
Response via : Initial Calibration

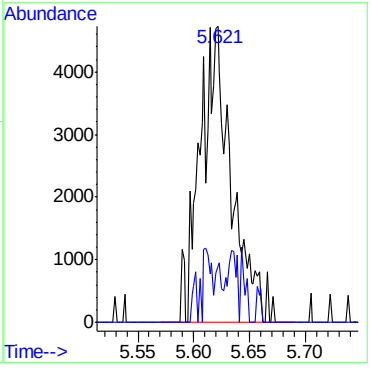




#12
ACETONE
Concen: 0.44 PPBV m
RT: 5.621 min Scan# 1711
Delta R.T. 0.032 min
Lab File: Q3858.D
Acq: 29 Jun 2007 4:39 pm

Tgt Ion: 43 Resp: 9334

Ion	Ratio	Lower	Upper
43	100		
58	13.4	9.0	49.0



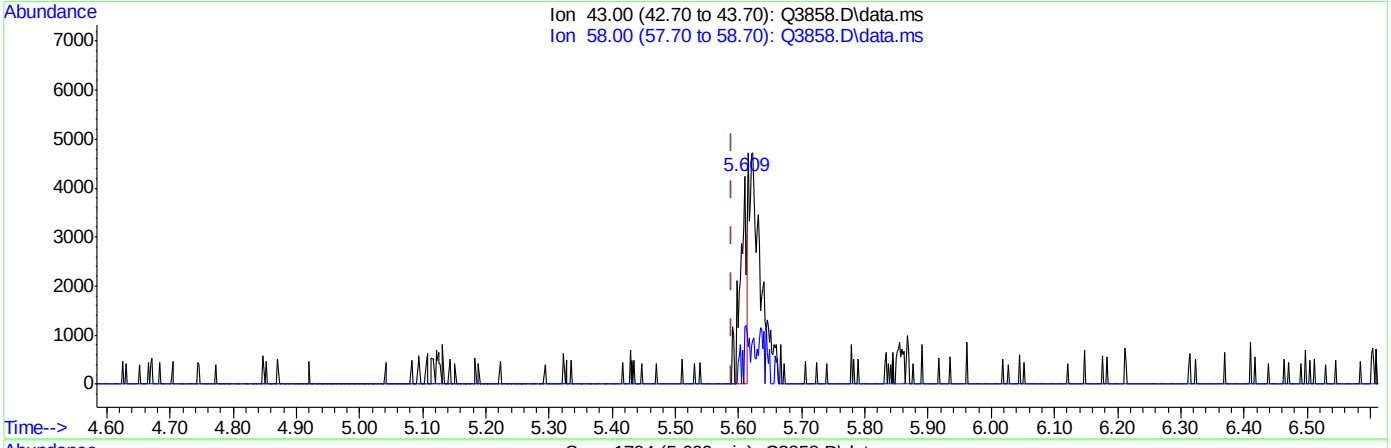
6.2.1

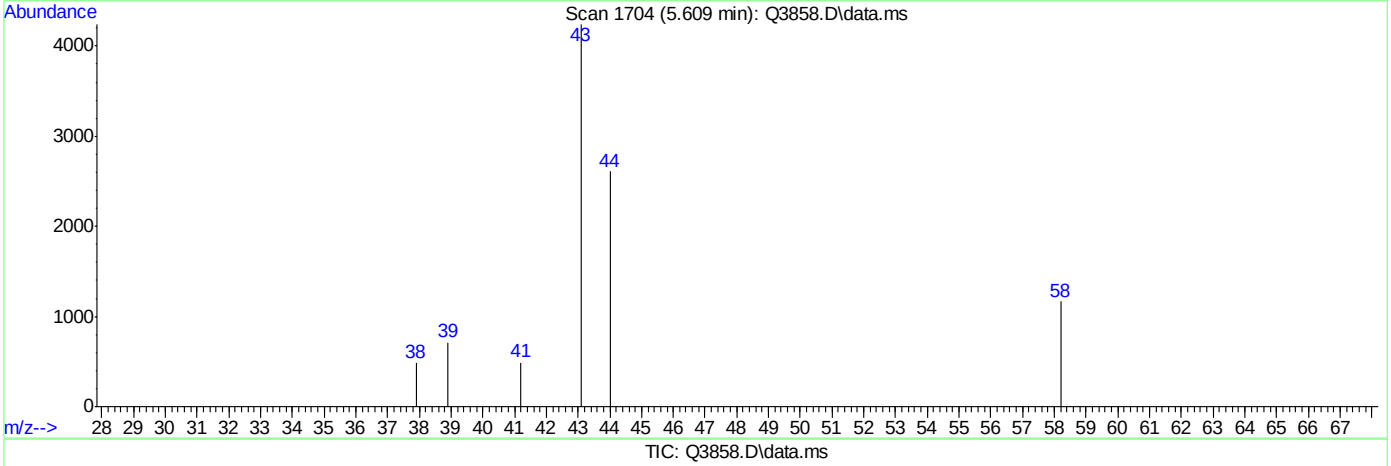
6

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\
Data File : Q3858.D
Acq On : 29 Jun 2007 4:39 pm
Operator : PhilipB
Sample : MB (M016)
Misc : MS13857, MSQ207,,,,,1
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Jun 29 17:17:31 2007
Quant Method : C:\msdchem\1\METHODS\Q062707T.m
Quant Title : TO15 by GCMS w/DB-1 60 m X .25 mm ID 1.0 um
QLast Update : Wed Jun 27 17:20:02 2007
Response via : Initial Calibration





TIC: Q3858.D\data.ms

(12) ACETONE (m)

5.609min (+0.020) 0.14PPBV

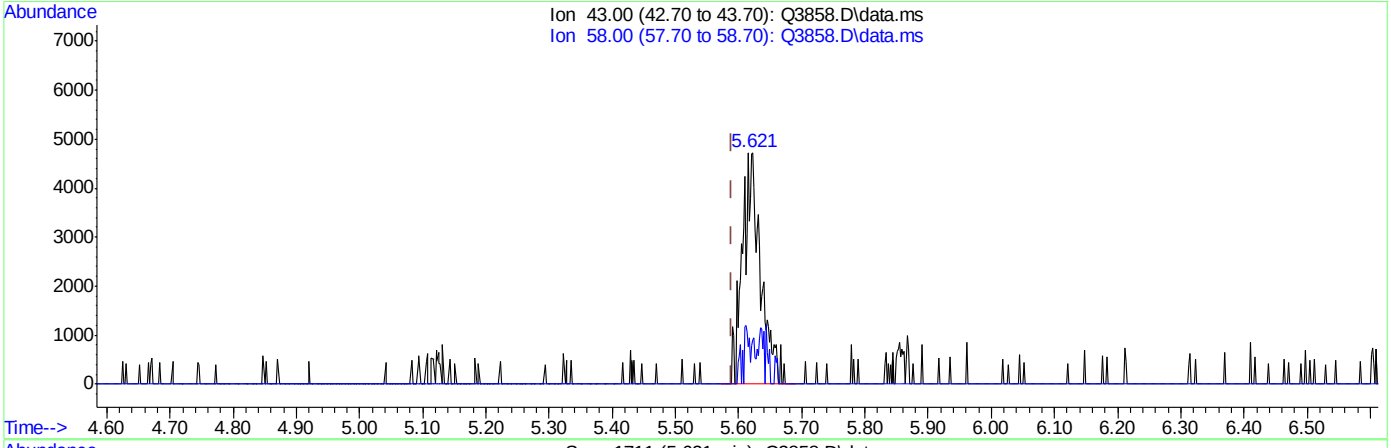
response 2952

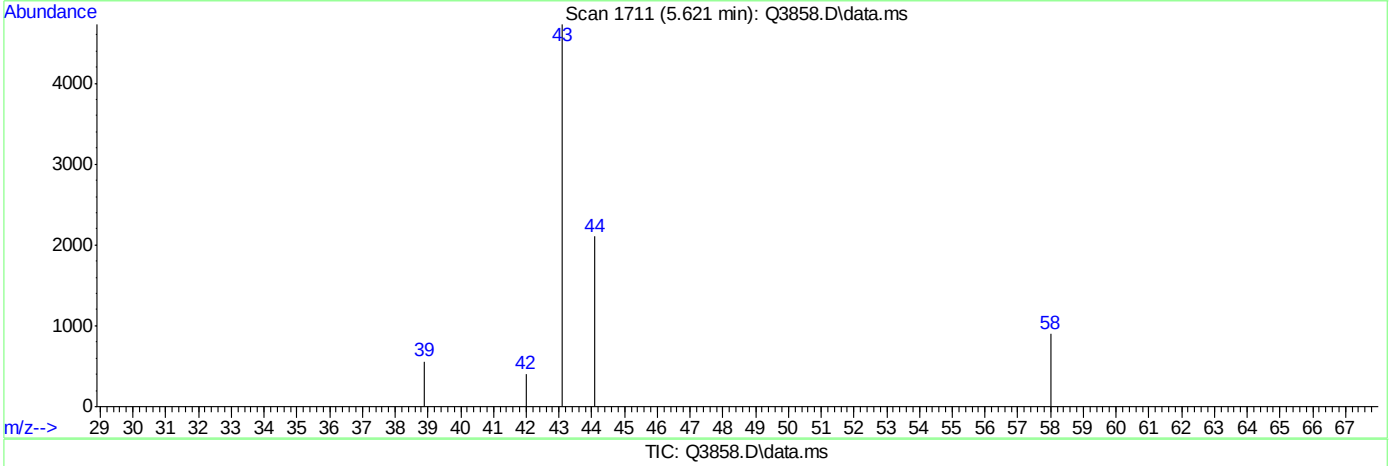
Ion	Exp%	Act%
43.00	100	100
58.00	29.00	42.48
0.00	0.00	0.00
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\
Data File : Q3858.D
Acq On : 29 Jun 2007 4:39 pm
Operator : PhilipB
Sample : MB (M016)
Misc : MS13857, MSQ207,,,,,1
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Jun 29 17:17:31 2007
Quant Method : C:\msdchem\1\METHODS\Q062707T.m
Quant Title : TO15 by GCMS w/DB-1 60 m X .25 mm ID 1.0 um
QLast Update : Wed Jun 27 17:20:02 2007
Response via : Initial Calibration





TIC: Q3858.D\data.ms

(12) ACETONE (m)

5.621min (+0.032) 0.44PPBV m

response 9334

Ion	Exp%	Act%
43.00	100	100
58.00	29.00	13.43
0.00	0.00	0.00
0.00	0.00	0.00

Manual Integrations APPROVED (compounds with "m" flag)
Doug Yargeau
07/06/07 11:19

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\
Data File : Q3857A.D
Acq On : 29 Jun 2007 3:53 pm
Operator : PhilipB
Sample : BS (M080)
Misc : MS13857, MSQ207,,,,,1
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Jun 29 16:42:28 2007
Quant Method : C:\msdchem\1\METHODS\Q062707T.m
Quant Title : TO15 by GCMS w/DB-1 60 m X .25 mm ID 1.0 um
QLast Update : Wed Jun 27 17:20:02 2007
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) BROMOCHLOROMETHANE	8.635	128	95802m	10.00	PPBV	0.00
35) 1,4-DIFLUOROBENZENE	10.461	114	506677	10.00	PPBV	0.00
49) CHLOROBENZENE-D5	14.707	117	421047	10.00	PPBV	0.00
System Monitoring Compounds						
61) 4-BROMOFLUOROBENZENE	16.323	95	162131	4.97	PPBV	0.00
Spiked Amount 5.000	Range 57 - 139		Recovery = 99.40%			
Target Compounds						Qvalue
2) DICHLORODIFLUOROMETHANE	4.038	85	600336	12.77	PPBV	95
3) PROPYLENE	3.962	41	179994	11.44	PPBV	99
4) FREON 114	4.299	85	478253	11.69	PPBV	84
5) CHLOROMETHANE	4.198	50	212847	10.55	PPBV	99
6) VINYL CHLORIDE	4.420	62	166673	9.66	PPBV	98
7) 1,3-BUTADIENE	4.560	39	169459	11.24	PPBV #	77
8) BROMOMETHANE	4.835	94	138200	10.39	PPBV	97
9) CHLOROETHANE	5.006	64	67222	10.04	PPBV	72
10) TRICHLOROFLUOROMETHANE	5.790	101	592560	15.48	PPBV	100
11) ISOPROPYL ALCOHOL	5.826	45	306426	10.55	PPBV	98
12) ACETONE	5.597	43	273676	11.14	PPBV	87
13) PENTANE	6.145	42	188690	9.56	PPBV	95
14) 1,1-DICHLOROETHYLENE	6.427	96	144909	12.13	PPBV #	69
15) CARBON DISULFIDE	6.860	76	444848	12.72	PPBV	86
16) ETHANOL	5.096	45	53612	9.53	PPBV	95
17) BROMOETHENE	5.368	106	126300	10.42	PPBV #	93
18) METHYLENE CHLORIDE	6.543	84	136497	12.51	PPBV	58
19) 3-CHLOROPROPENE	6.658	39	176313	13.91	PPBV	93
20) FREON 113	6.798	151	202702	11.50	PPBV #	65
21) TRANS-1,2-DICHLOROETHY...	7.467	96	138457	13.07	PPBV #	75
22) TERTIARY BUTYL ALCOHOL	6.429	59	405080	13.00	PPBV	87
23) METHYL TERTIARY BUTYL ...	7.712	73	308075	12.17	PPBV	82
24) TETRAHYDROFURAN	9.148	42	189889	12.91	PPBV	90
25) HEXANE	8.667	57	277726	11.17	PPBV	90
26) VINYL ACETATE	7.788	43	417402	15.03	PPBV	92
27) 1,1-DICHLOROETHANE	7.666	63	325519	12.51	PPBV	98
28) METHYL ETHYL KETONE	8.035	43	373727	12.98	PPBV	96
29) cis-1,2-DICHLOROETHYLENE	8.468	96	112746	10.81	PPBV #	86
30) ETHYL ACETATE	8.665	43	637565	12.55	PPBV	99
31) CHLOROFORM	8.754	83	317372	11.26	PPBV	93
32) 1,1,1-TRICHLOROETHANE	9.711	97	294543	12.85	PPBV	90
33) CARBON TETRACHLORIDE	10.294	117	326085	12.76	PPBV	99
34) 1,2-DICHLOROETHANE	9.467	62	228157	14.21	PPBV	98
36) BENZENE	10.151	78	315070	9.71	PPBV	97
37) CYCLOHEXANE	10.415	84	144770	9.60	PPBV #	87
38) TRICHLOROETHYLENE	11.148	95	177381	11.07	PPBV #	82
39) 1,2-DICHLOROPROPANE	10.921	63	152317	9.98	PPBV	96
40) BROMODICHLOROMETHANE	11.109	83	290980	11.25	PPBV	100
41) 2,2,4-TRIMETHYLPENTANE	11.168	57	919307	11.27	PPBV	95
42) 1,4-DIOXANE	11.136	88	63593	11.57	PPBV #	64
43) HEPTANE	11.409	43	358853	11.45	PPBV	85

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\
Data File : Q3857A.D
Acq On : 29 Jun 2007 3:53 pm
Operator : PhilipB
Sample : BS (M080)
Misc : MS13857, MSQ207,,,,,1
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Jun 29 16:42:28 2007
Quant Method : C:\msdchem\1\METHODS\Q062707T.m
Quant Title : TO15 by GCMS w/DB-1 60 m X .25 mm ID 1.0 um
QLast Update : Wed Jun 27 17:20:02 2007
Response via : Initial Calibration

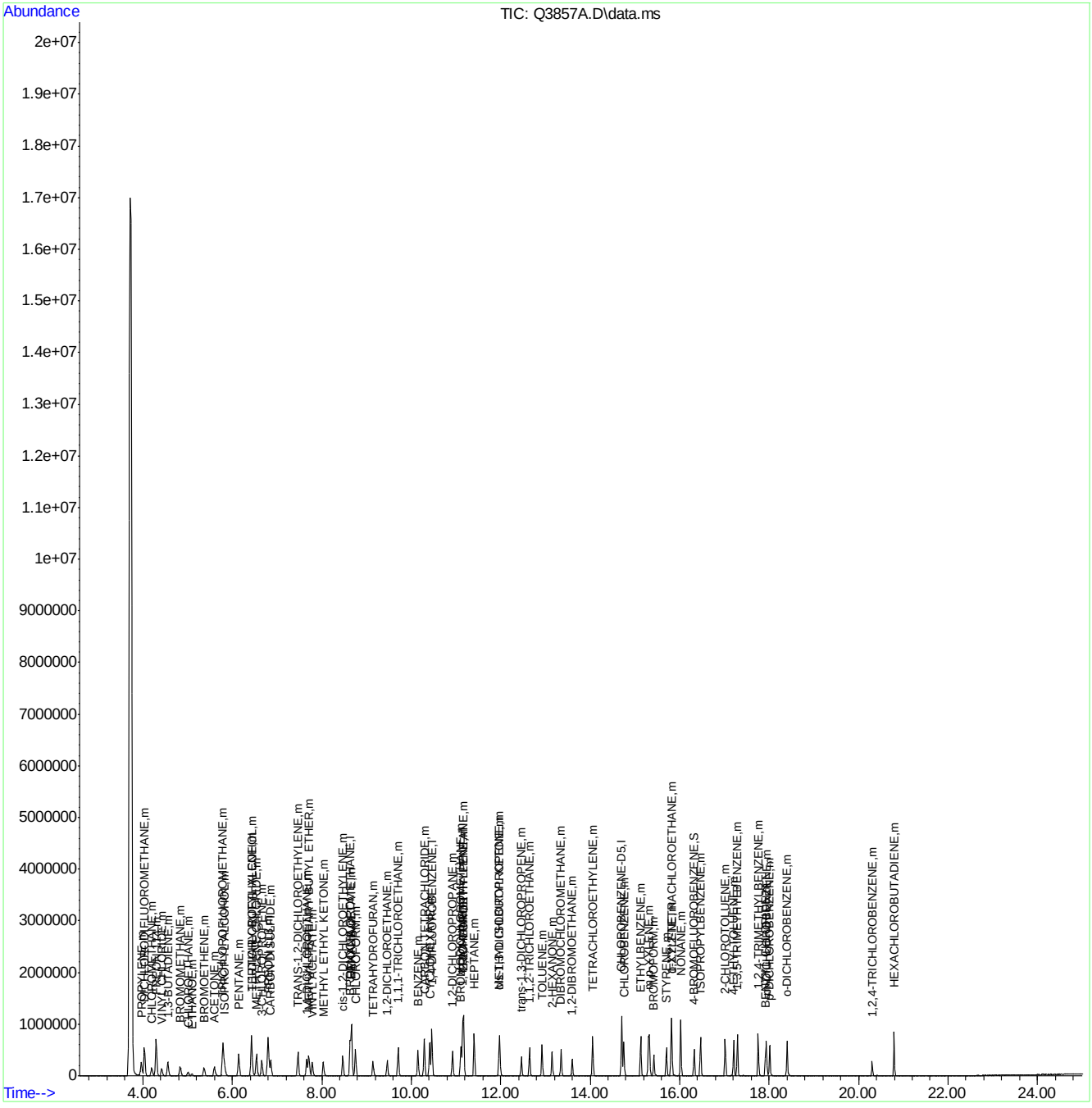
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) METHYL ISOBUTYL KETONE	11.980	43	449756	12.70	PPBV	87
45) cis-1,3-DICHLOROPROPENE	11.963	75	183511	12.83	PPBV #	77
46) TOLUENE	12.925	92	190878	9.37	PPBV	95
47) trans-1,3-DICHLOROPROPENE	12.461	75	139867	13.16	PPBV	84
48) 1,1,2-TRICHLOROETHANE	12.644	83	122813	10.41	PPBV	90
50) 2-HEXANONE	13.148	43	349015	14.26	PPBV	86
51) TETRACHLOROETHYLENE	14.059	164	88945	8.07	PPBV #	78
52) DIBROMOCHLOROMETHANE	13.351	129	192387	9.80	PPBV	100
53) 1,2-DIBROMOETHANE	13.603	107	184532	11.94	PPBV	98
54) CHLOROBENZENE	14.753	112	238554	10.87	PPBV	89
55) ETHYLBENZENE	15.131	91	445607	11.41	PPBV	95
56) m,p-XYLENE	15.322	106	304841m	20.81	PPBV	
57) o-XYLENE	15.825	106	139774	9.26	PPBV #	79
58) STYRENE	15.706	104	187119	9.99	PPBV	92
59) NONANE	16.023	43	456877	11.63	PPBV	86
60) BROMOFORM	15.424	173	123975	9.57	PPBV	99
62) 1,1,2,2-TETRACHLOROETHANE	15.810	83	292725	9.65	PPBV	97
63) ISOPROPYLBENZENE	16.467	105	390781	9.13	PPBV #	100
64) 2-CHLOROTOLUENE	17.021	91	326595	10.91	PPBV	86
65) 4-ETHYLTOLUENE	17.209	105	338477	10.27	PPBV	93
66) 1,3,5-TRIMETHYLBENZENE	17.292	105	341701	10.06	PPBV	91
67) 1,2,4-TRIMETHYLBENZENE	17.757	105	334883	11.48	PPBV	92
68) m-DICHLOROBENZENE	17.940	146	153266	12.99	PPBV	93
69) BENZYL CHLORIDE	17.919	91	207033	15.85	PPBV	92
70) p-DICHLOROBENZENE	18.016	146	142200	13.73	PPBV	92
71) o-DICHLOROBENZENE	18.402	146	154907	12.34	PPBV	93
72) HEXACHLOROBUTADIENE	20.798	225	48254	9.56	PPBV	98
73) 1,2,4-TRICHLOROBENZENE	20.306	180	35565	17.11	PPBV	95

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

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\
Data File : Q3857A.D
Acq On : 29 Jun 2007 3:53 pm
Operator : PhilipB
Sample : BS (M080)
Misc : MS13857, MSQ207,,,,,1
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Jun 29 16:42:28 2007
Quant Method : C:\msdchem\1\METHODS\Q062707T.m
Quant Title : TO15 by GCMS w/DB-1 60 m X .25 mm ID 1.0 um
QLast Update : Wed Jun 27 17:20:02 2007
Response via : Initial Calibration

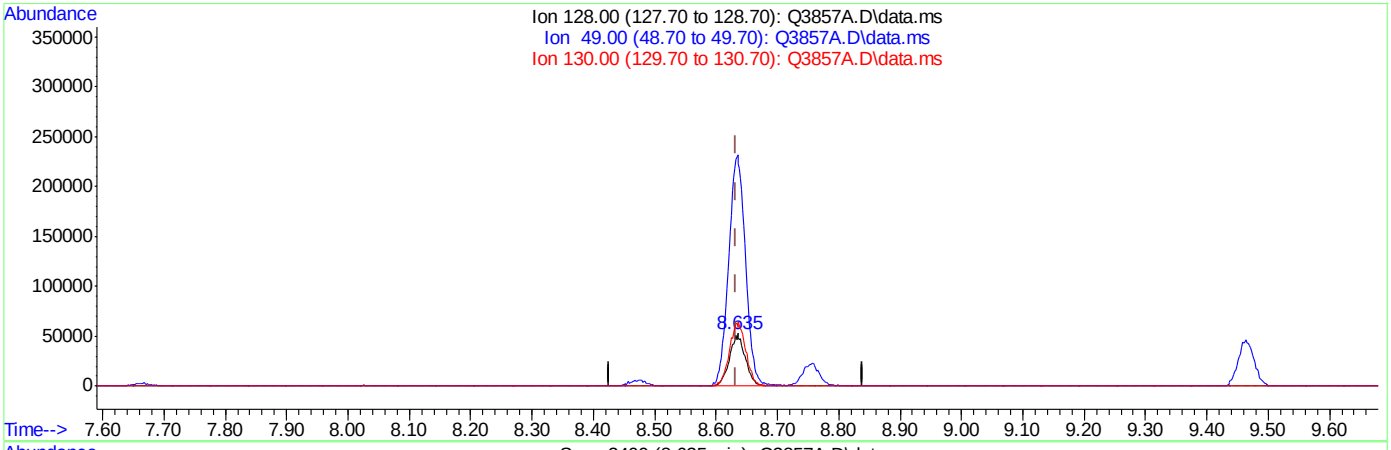


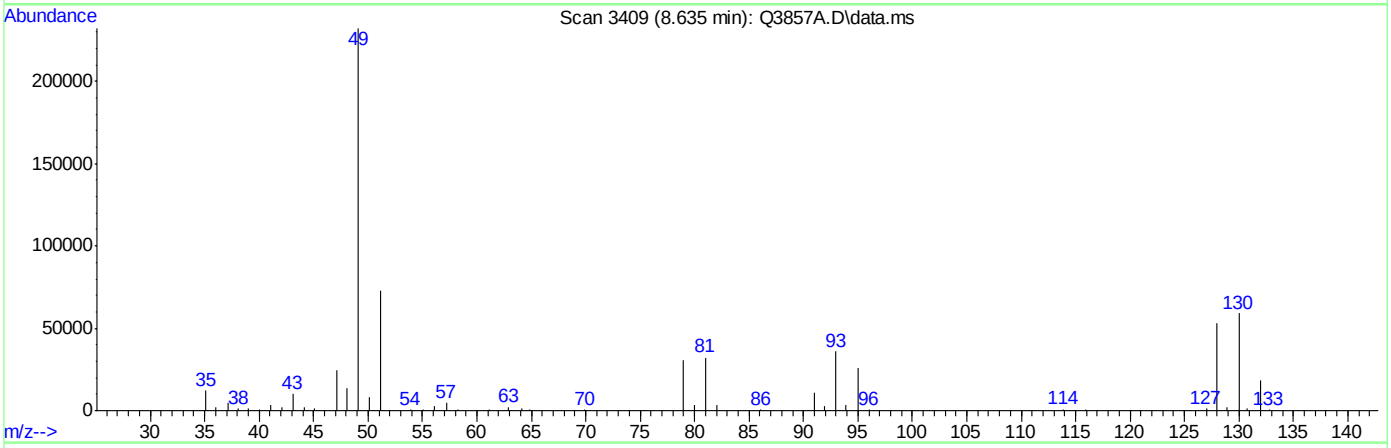
ACCUTEST Laboratories M65795R

Quantitation Report (Qedit)

```
Data Path : C:\msdchem\1\DATA\
Data File : Q3857A.D
Acq On    : 29 Jun 2007   3:53 pm
Operator  : PhilipB
Sample    : BS (M080)
Misc      : MS13857, MSQ207,,,,,1
ALS Vial  : 2   Sample Multiplier: 1

Quant Time: Jun 29 16:42:09 2007
Quant Method : C:\msdchem\1\METHODS\Q062707T.m
Quant Title  : TO15  by GCMS w/DB-1 60 m X .25 mm ID 1.0 um
QLast Update : Wed Jun 27 17:20:02 2007
Response via : Initial Calibration
```



TIC: Q3857A.D\data.ms

(1) BROMOCHLOROMETHANE (I)

8.635min (+0.002) 10.00PPBV

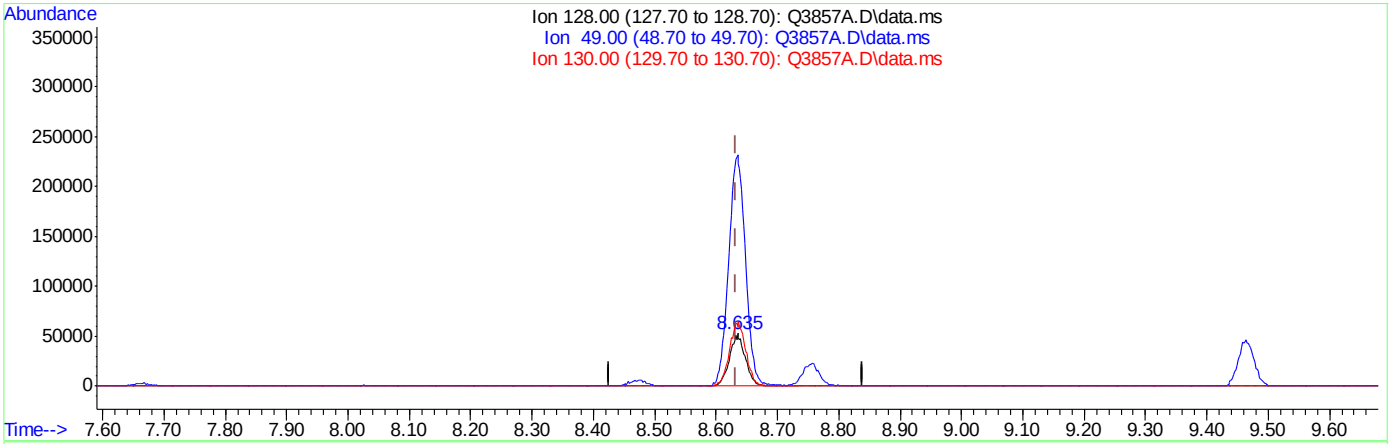
response 95475

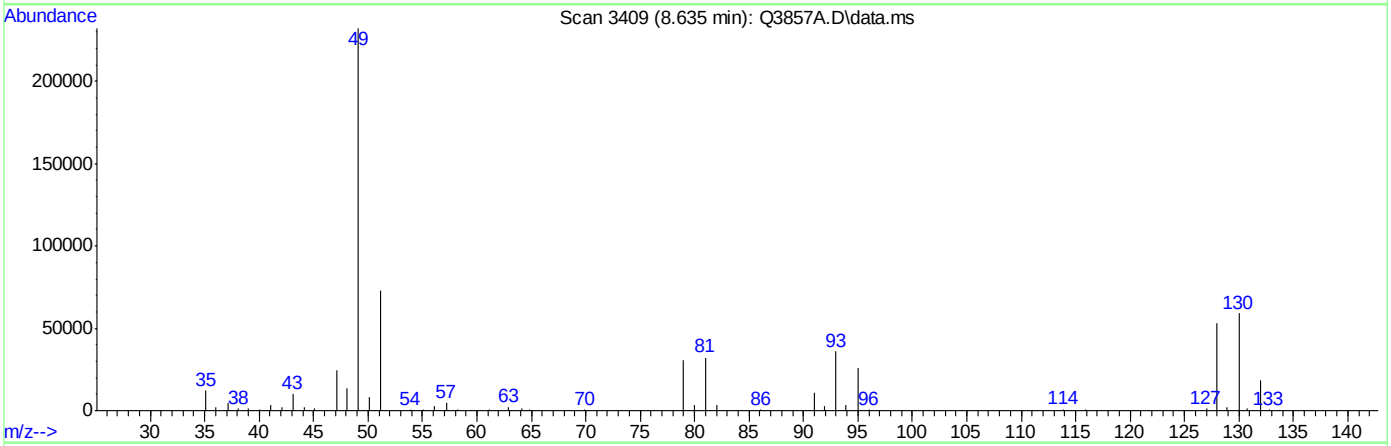
Ion	Exp%	Act%
128.00	100	100
49.00	276.40	474.00#
130.00	126.60	128.36
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\
Data File : Q3857A.D
Acq On : 29 Jun 2007 3:53 pm
Operator : PhilipB
Sample : BS (M080)
Misc : MS13857, MSQ207,,,,,1
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Jun 29 16:42:09 2007
Quant Method : C:\msdchem\1\METHODS\Q062707T.m
Quant Title : TO15 by GCMS w/DB-1 60 m X .25 mm ID 1.0 um
QLast Update : Wed Jun 27 17:20:02 2007
Response via : Initial Calibration





TIC: Q3857A.D\data.ms

(1) BROMOCHLOROMETHANE (I)

8.635min (+0.002) 10.00PPBV m

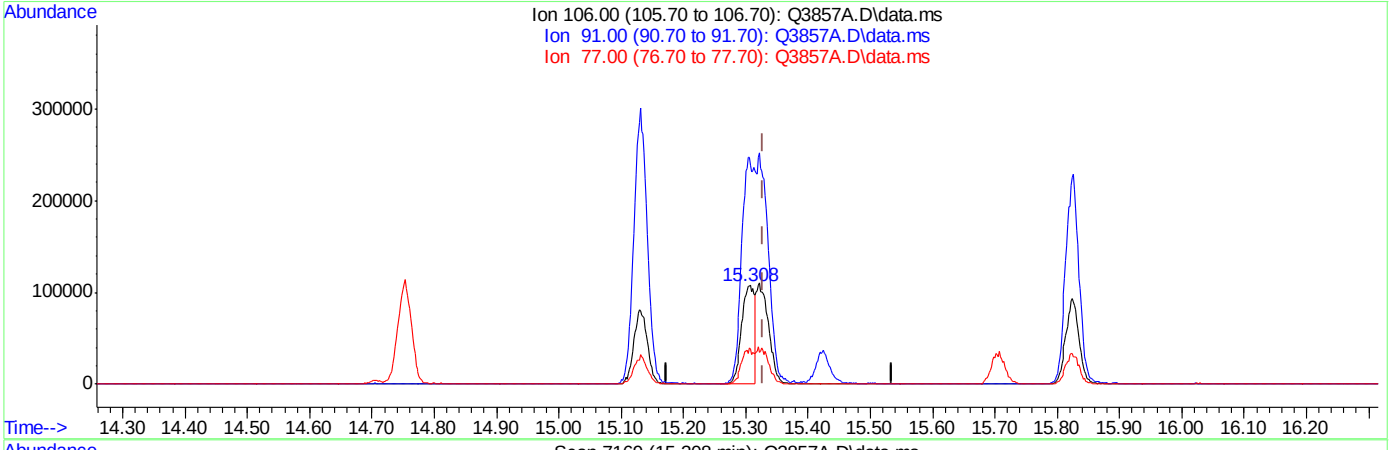
response 95802

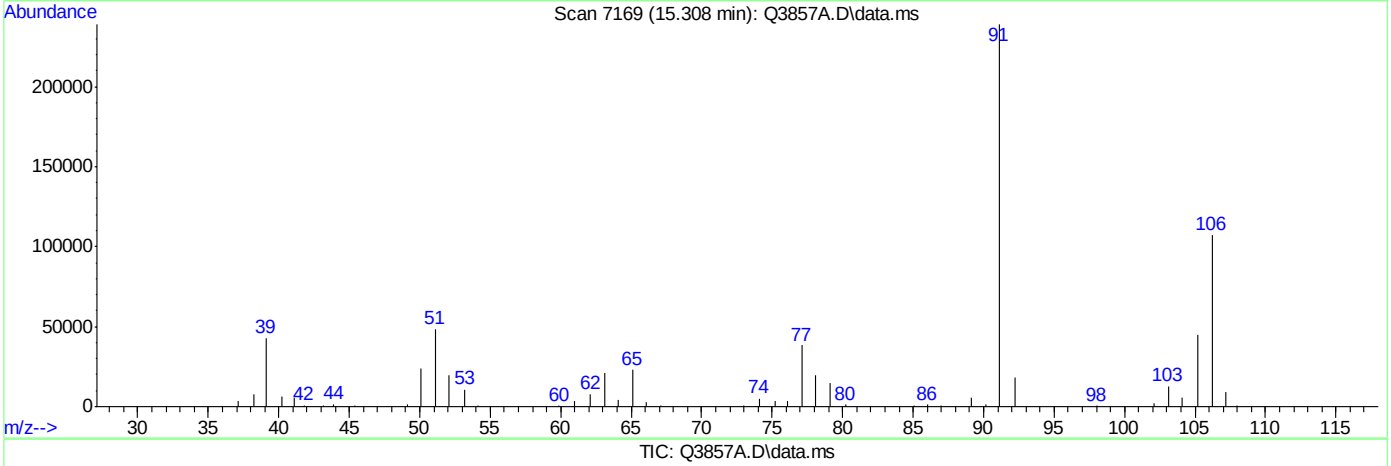
Ion	Exp%	Act%
128.00	100	100
49.00	276.40	472.38#
130.00	126.60	127.92
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\
Data File : Q3857A.D
Acq On : 29 Jun 2007 3:53 pm
Operator : PhilipB
Sample : BS (M080)
Misc : MS13857, MSQ207,,,,,1
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Jun 29 16:42:09 2007
Quant Method : C:\msdchem\1\METHODS\Q062707T.m
Quant Title : TO15 by GCMS w/DB-1 60 m X .25 mm ID 1.0 um
QLast Update : Wed Jun 27 17:20:02 2007
Response via : Initial Calibration





TIC: Q3857A.D\data.ms

(56) m,p-XYLENE (m)

15.308min (-0.021) 10.54PPBV

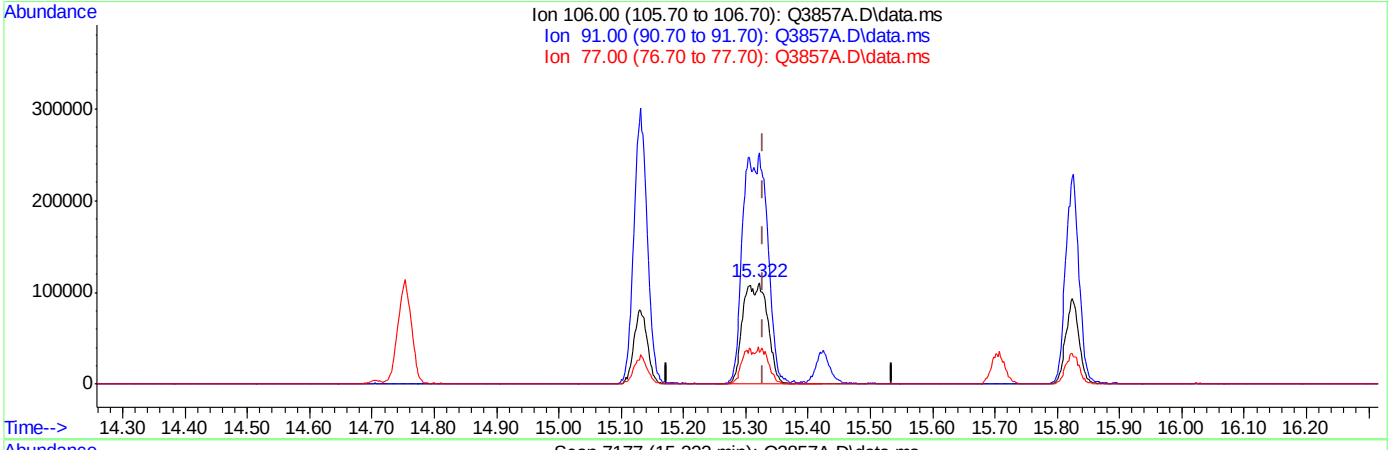
response 154498

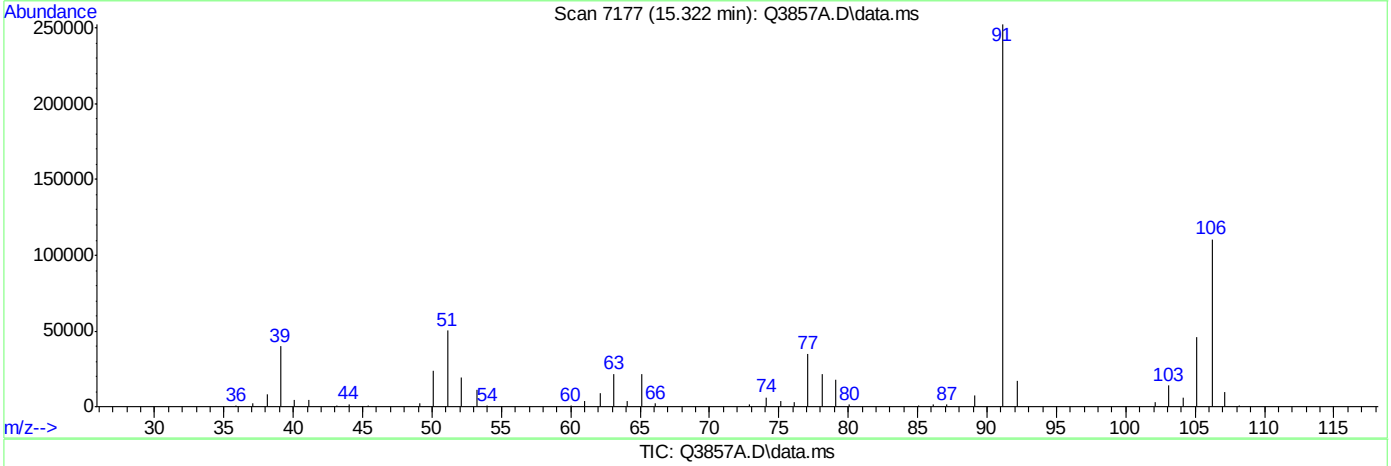
Ion	Exp%	Act%
106.00	100	100
91.00	201.30	222.43
77.00	27.30	35.83#
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\
Data File : Q3857A.D
Acq On : 29 Jun 2007 3:53 pm
Operator : PhilipB
Sample : BS (M080)
Misc : MS13857, MSQ207,,,,,1
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Jun 29 16:42:09 2007
Quant Method : C:\msdchem\1\METHODS\Q062707T.m
Quant Title : TO15 by GCMS w/DB-1 60 m X .25 mm ID 1.0 um
QLast Update : Wed Jun 27 17:20:02 2007
Response via : Initial Calibration





TIC: Q3857A.D\data.ms

(56) m,p-XYLENE (m)

15.322min (-0.007) 20.81PPBV m

response 304841

Ion	Exp%	Act%
106.00	100	100
91.00	201.30	228.34
77.00	27.30	31.29
0.00	0.00	0.00

Manual Integrations APPROVED (compounds with "m" flag)
Doug Yargeau
07/06/07 11:19

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\
Data File : Q3860.D
Acq On : 29 Jun 2007 6:05 pm
Operator : PhilipB
Sample : M65942-1DUP
Misc : MS13857, MSQ207,,,,,1
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Jul 02 09:48:32 2007
Quant Method : C:\msdchem\1\METHODS\Q062707T.m
Quant Title : TO15 by GCMS w/DB-1 60 m X .25 mm ID 1.0 um
QLast Update : Wed Jun 27 17:20:02 2007
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) BROMOCHLOROMETHANE	8.637	128	70181	10.00	PPBV	0.00
35) 1,4-DIFLUOROBENZENE	10.465	114	348425	10.00	PPBV	0.00
49) CHLOROBENZENE-D5	14.707	117	269989	10.00	PPBV	0.00

System Monitoring Compounds

61) 4-BROMOFLUOROBENZENE	16.325	95	109625	5.24	PPBV	0.00

Spiked Amount 5.000 Range 57 - 139 Recovery = 104.80%

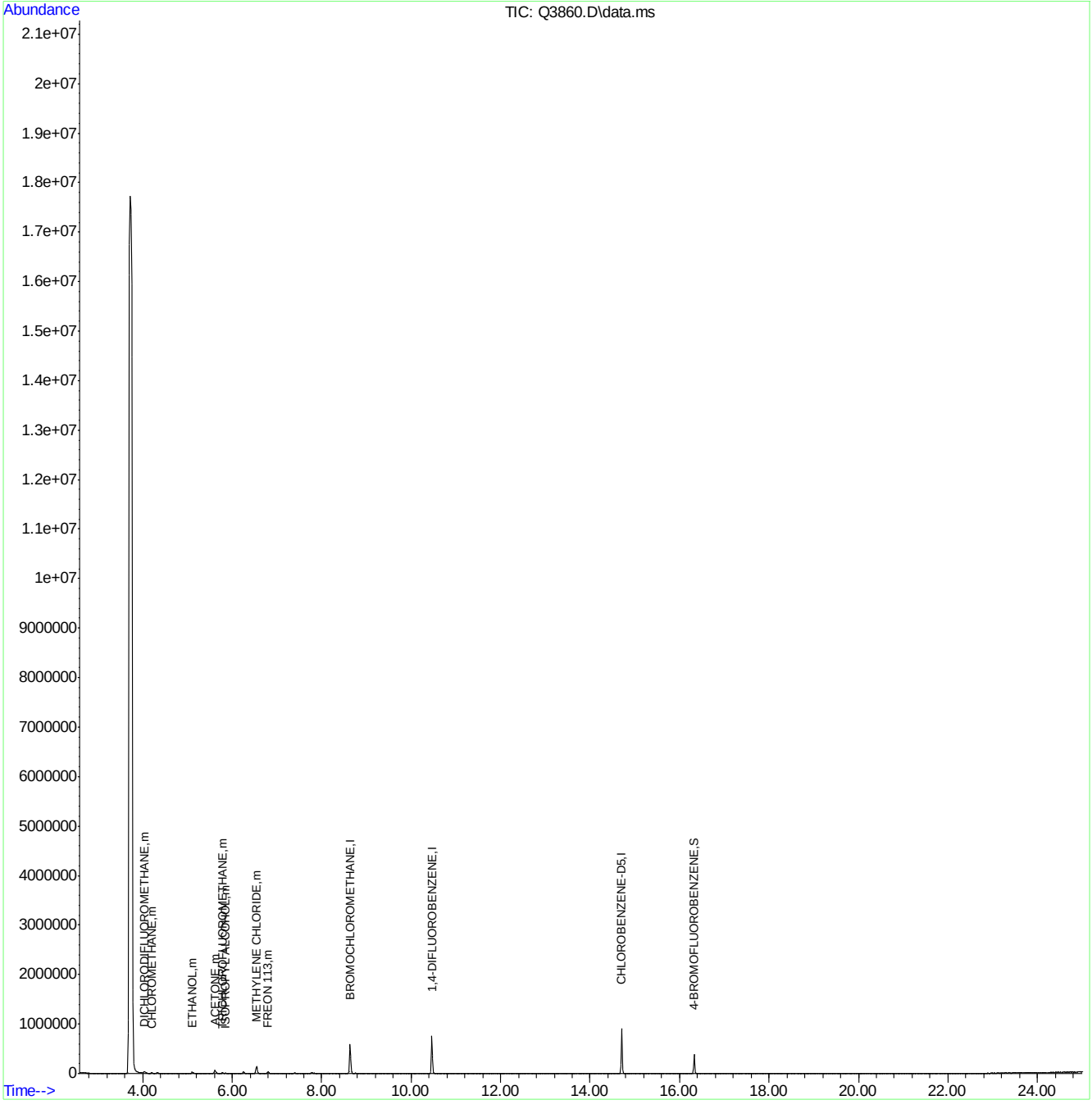
Target Compounds						Qvalue
2) DICHLORODIFLUOROMETHANE	4.039	85	35256	1.02	PPBV	91
5) CHLOROMETHANE	4.193	50	12736m	0.86	PPBV	
10) TRICHLOROFLUOROMETHANE	5.785	101	17808m	0.63	PPBV	
11) ISOPROPYL ALCOHOL	5.845	45	11676	0.55	PPBV	87
12) ACETONE	5.609	43	97641	5.43	PPBV	84
16) ETHANOL	5.098	45	35440	8.60	PPBV	74
18) METHYLENE CHLORIDE	6.543	84	43415	5.14	PPBV	46
20) FREON 113	6.791	151	7483m	0.58	PPBV	

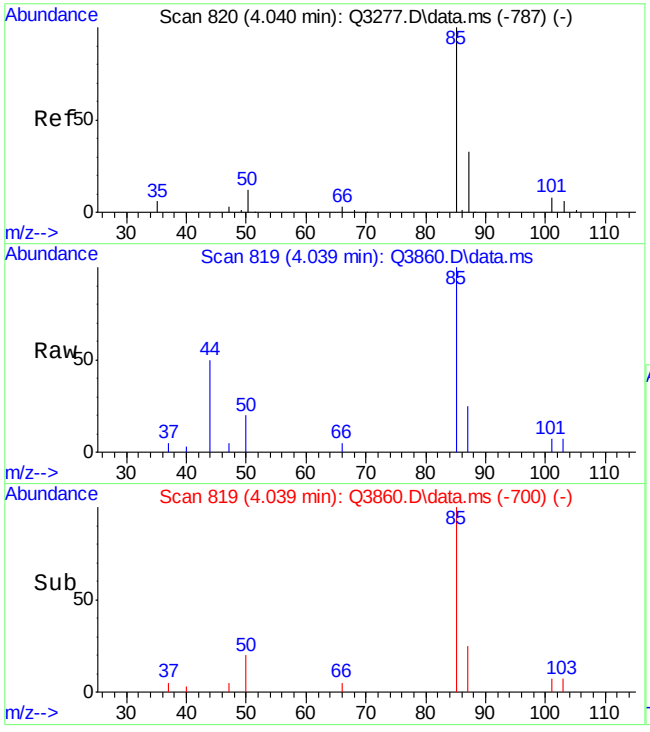
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\
Data File : Q3860.D
Acq On : 29 Jun 2007 6:05 pm
Operator : PhilipB
Sample : M65942-1DUP
Misc : MS13857, MSQ207,,,,,1
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Jul 02 09:48:32 2007
Quant Method : C:\msdchem\1\METHODS\Q062707T.m
Quant Title : TO15 by GCMS w/DB-1 60 m X .25 mm ID 1.0 um
QLast Update : Wed Jun 27 17:20:02 2007
Response via : Initial Calibration

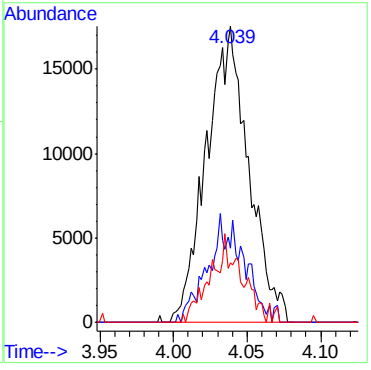


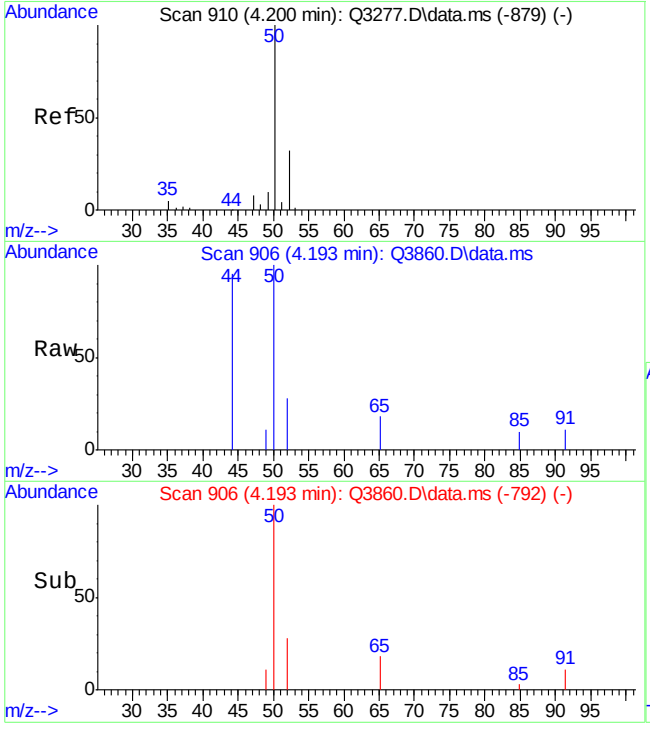


#2
DICHLORODIFLUOROMETHANE
Concen: 1.02 PPBV
RT: 4.039 min Scan# 819
Delta R.T. 0.005 min
Lab File: Q3860.D
Acq: 29 Jun 2007 6:05 pm

Tgt Ion: 85 Resp: 35256

Ion	Ratio	Lower	Upper
85	100		
87	30.1	12.1	52.1
50	21.9	0.0	33.8

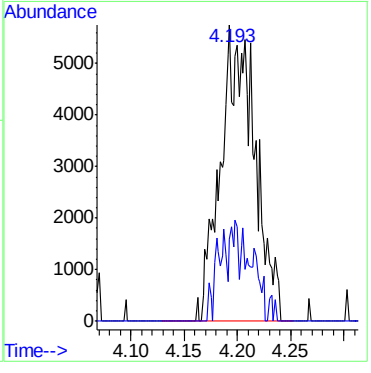


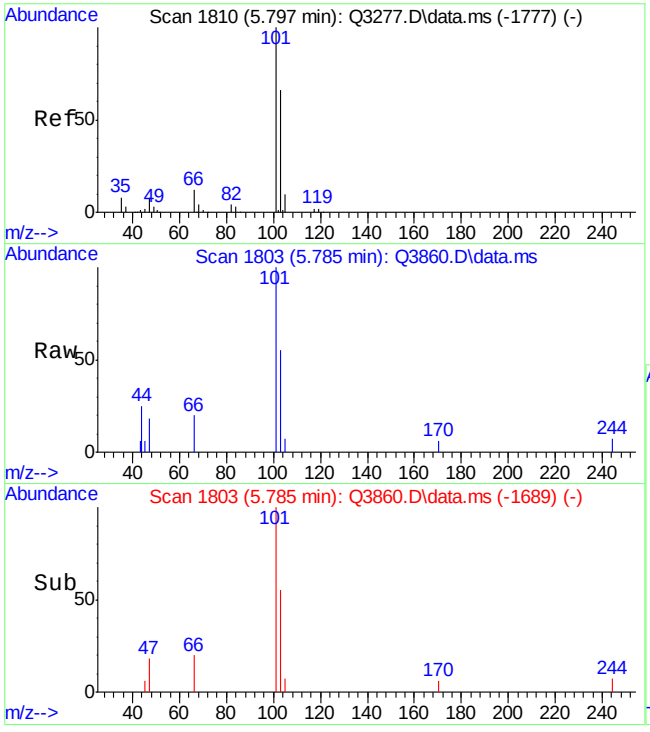


#5
CHLOROMETHANE
Concen: 0.86 PPBV m
RT: 4.193 min Scan# 906
Delta R.T. -0.003 min
Lab File: Q3860.D
Acq: 29 Jun 2007 6:05 pm

Tgt Ion: 50 Resp: 12736

Ion	Ratio	Lower	Upper
50	100		
52	27.8	12.2	52.2

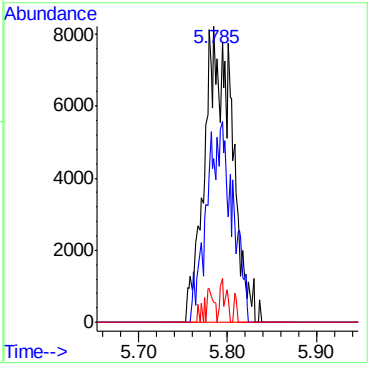


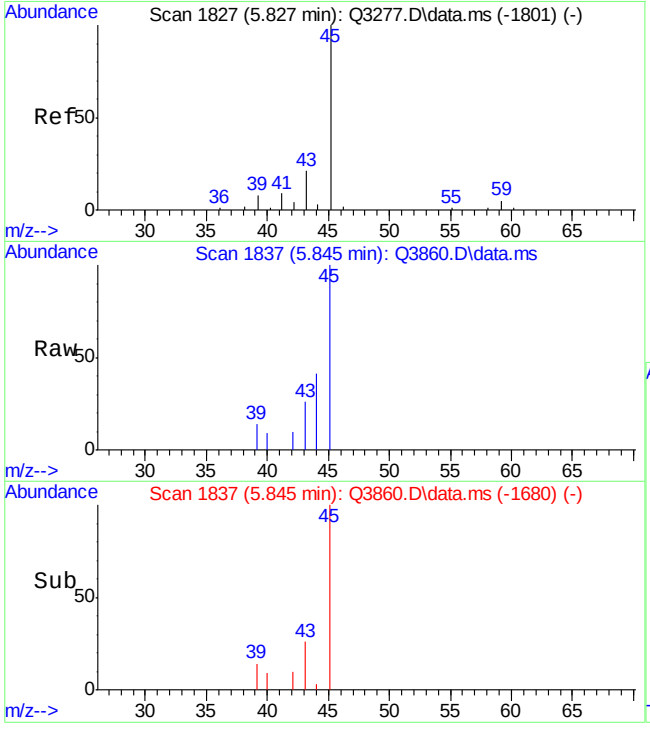


#10
TRICHLOROFLUOROMETHANE
Concen: 0.63 PPBV m
RT: 5.785 min Scan# 1803
Delta R.T. -0.003 min
Lab File: Q3860.D
Acq: 29 Jun 2007 6:05 pm

Tgt Ion:101 Resp: 17808

Ion	Ratio	Lower	Upper
101	100		
103	0.0	44.3	84.3#
105	3.3	0.0	30.2

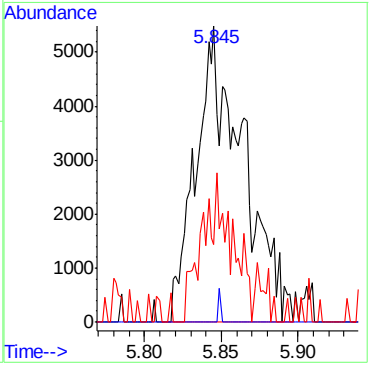


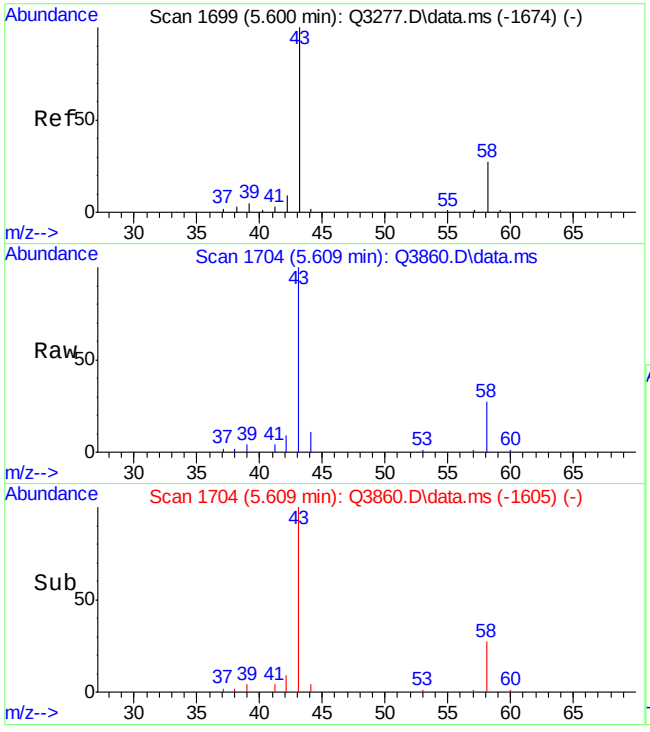


#11
ISOPROPYL ALCOHOL
Concen: 0.55 PPBV
RT: 5.845 min Scan# 1837
Delta R.T. 0.020 min
Lab File: Q3860.D
Acq: 29 Jun 2007 6:05 pm

Tgt Ion: 45 Resp: 11676

Ion	Ratio	Lower	Upper
45	100		
59	0.0	0.0	23.7
43	26.0	0.0	39.7

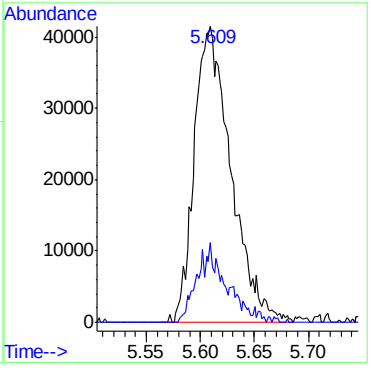


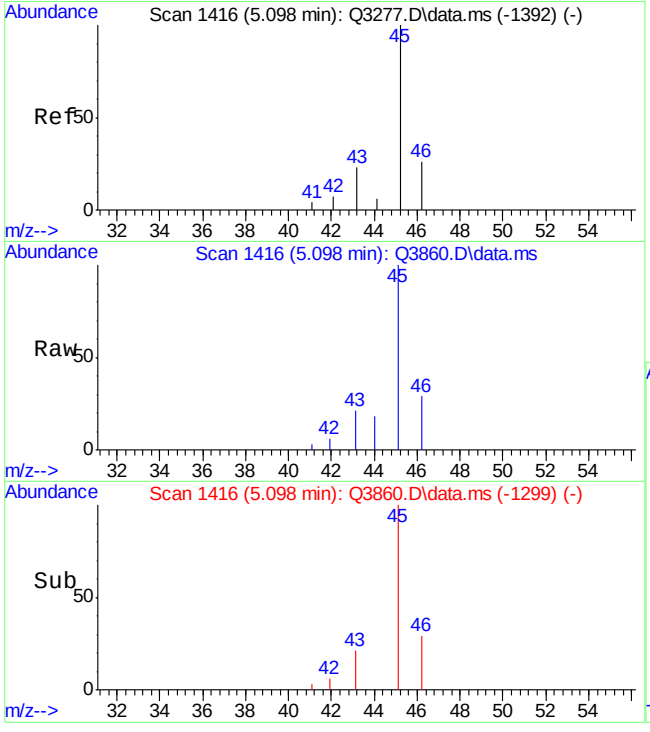


#12
ACETONE
Concen: 5.43 PPBV
RT: 5.609 min Scan# 1704
Delta R.T. 0.020 min
Lab File: Q3860.D
Acq: 29 Jun 2007 6:05 pm

Tgt Ion: 43 Resp: 97641

Ion	Ratio	Lower	Upper
43	100		
58	20.2	9.0	49.0

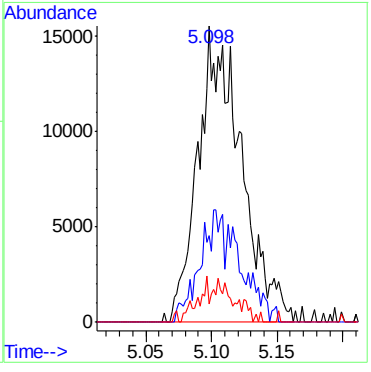


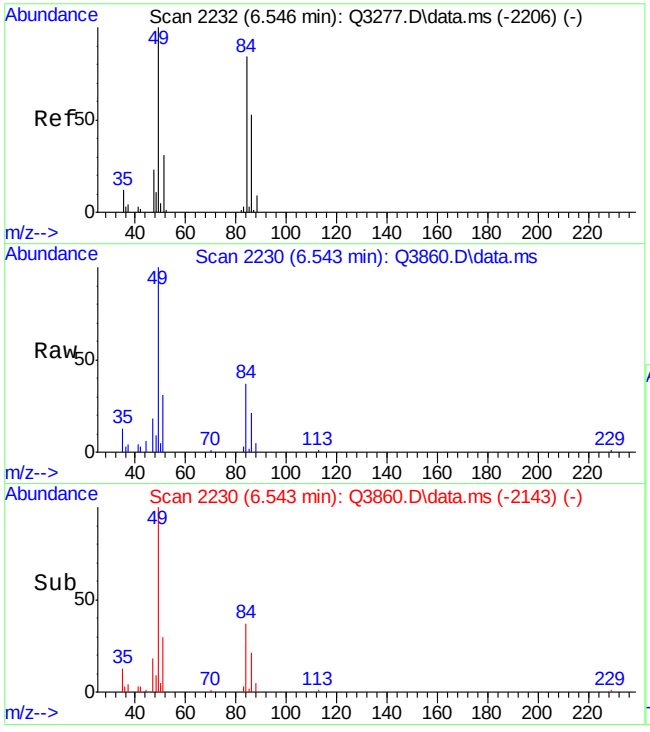


#16
ETHANOL
Concen: 8.60 PPBV
RT: 5.098 min Scan# 1416
Delta R.T. 0.002 min
Lab File: Q3860.D
Acq: 29 Jun 2007 6:05 pm

Tgt Ion: 45 Resp: 35440

Ion	Ratio	Lower	Upper
45	100		
46	16.3	14.7	54.7
42	9.8	0.0	28.4

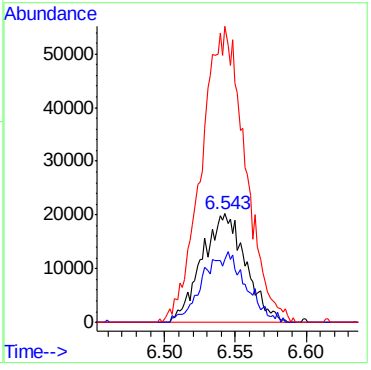


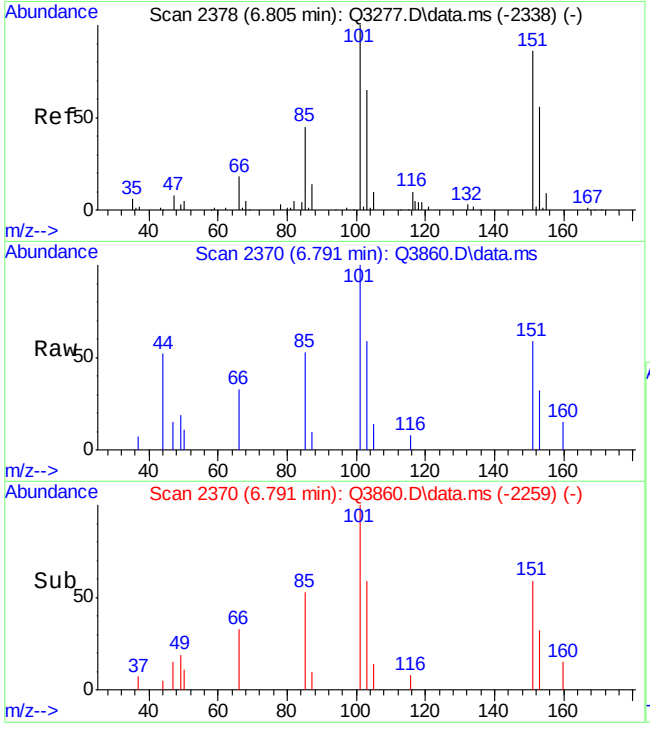


#18
METHYLENE CHLORIDE
Concen: 5.14 PPBV
RT: 6.543 min Scan# 2230
Delta R.T. 0.004 min
Lab File: Q3860.D
Acq: 29 Jun 2007 6:05 pm

Tgt Ion: 84 Resp: 43415

Ion	Ratio	Lower	Upper
84	100		
86	64.3	44.1	84.1
49	274.5	0.0	372.3

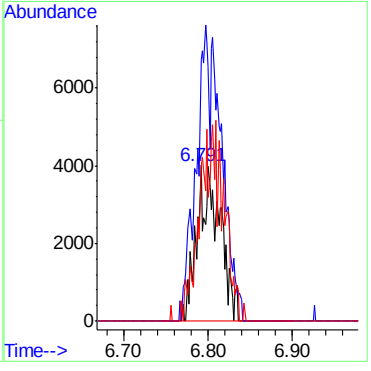




#20
FREON 113
Concen: 0.58 PPBV m
RT: 6.791 min Scan# 2370
Delta R.T. -0.009 min
Lab File: Q3860.D
Acq: 29 Jun 2007 6:05 pm

Tgt Ion:151 Resp: 7483

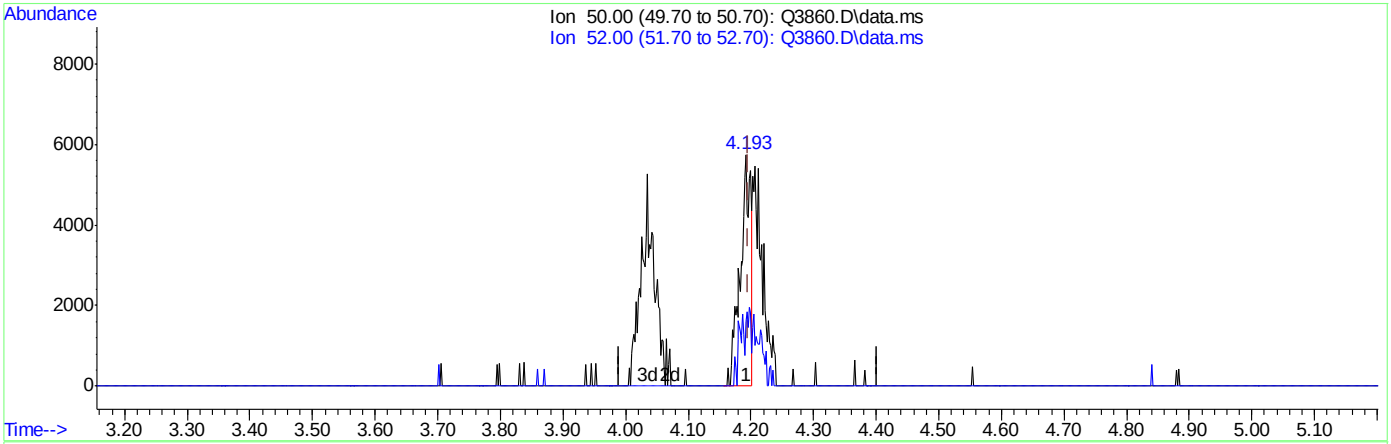
Ion	Ratio	Lower	Upper
151	100		
101	111.5	110.1	150.1
103	135.0	63.0	103.0#



Quantitation Report (Qedit)

```
Data Path : C:\msdchem\1\DATA\
Data File : Q3860.D
Acq On    : 29 Jun 2007   6:05 pm
Operator  : PhilipB
Sample    : M65942-1DUP
Misc      : MS13857, MSQ207,,,,,1
ALS Vial  : 3   Sample Multiplier: 1

Quant Time: Jul 02 09:18:06 2007
Quant Method : C:\msdchem\1\METHODS\Q062707T.m
Quant Title  : TO15  by GCMS w/DB-1 60 m X .25 mm ID 1.0 um
QLast Update : Wed Jun 27 17:20:02 2007
Response via : Initial Calibration
```

(5) CHLOROMETHANE (m)

4.193min (-0.003) 0.46PPBV

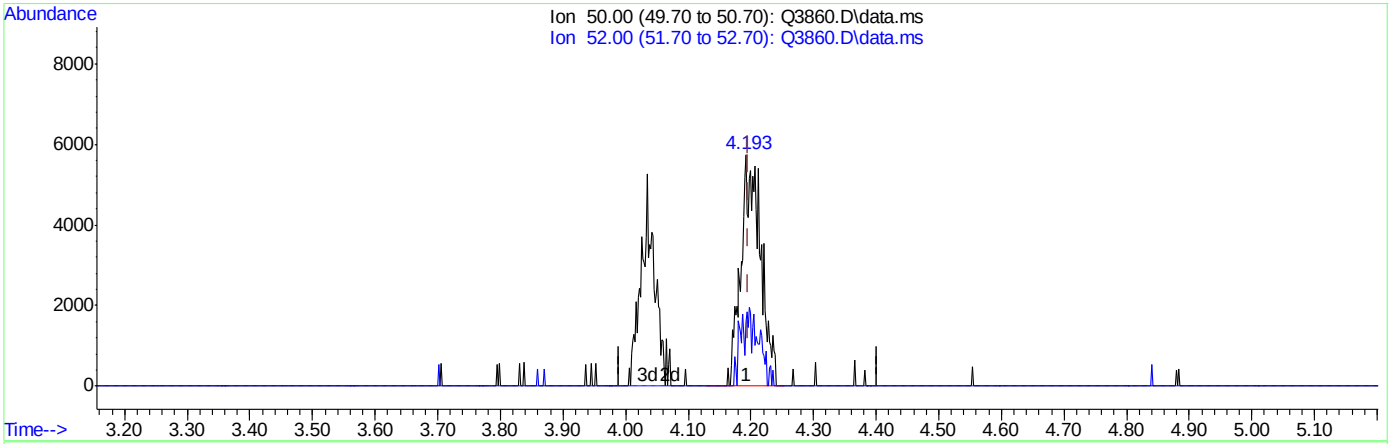
response 6807

Ion	Exp%	Act%
50.00	100	100
52.00	32.20	33.36
0.00	0.00	0.00
0.00	0.00	0.00

Quantitation Report (Qedit)

```
Data Path : C:\msdchem\1\DATA\
Data File : Q3860.D
Acq On    : 29 Jun 2007   6:05 pm
Operator  : PhilipB
Sample    : M65942-1DUP
Misc      : MS13857, MSQ207,,,,,1
ALS Vial  : 3   Sample Multiplier: 1

Quant Time: Jul 02 09:18:06 2007
Quant Method : C:\msdchem\1\METHODS\Q062707T.m
Quant Title  : TO15  by GCMS w/DB-1 60 m X .25 mm ID 1.0 um
QLast Update : Wed Jun 27 17:20:02 2007
Response via : Initial Calibration
```

(5) CHLOROMETHANE (m)

4.193min (-0.003) 0.86PPBV m

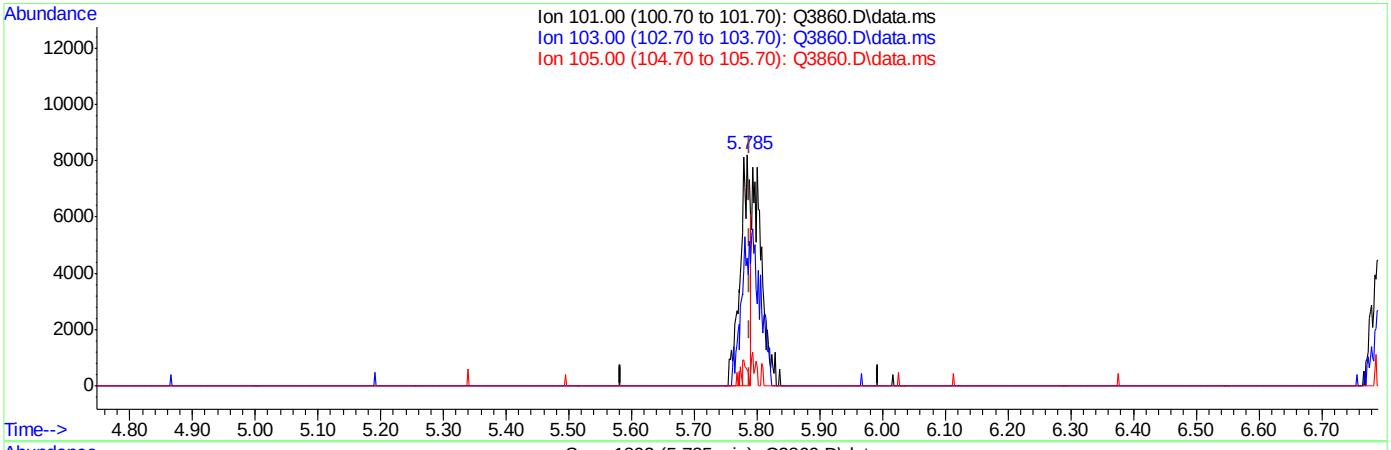
response 12736

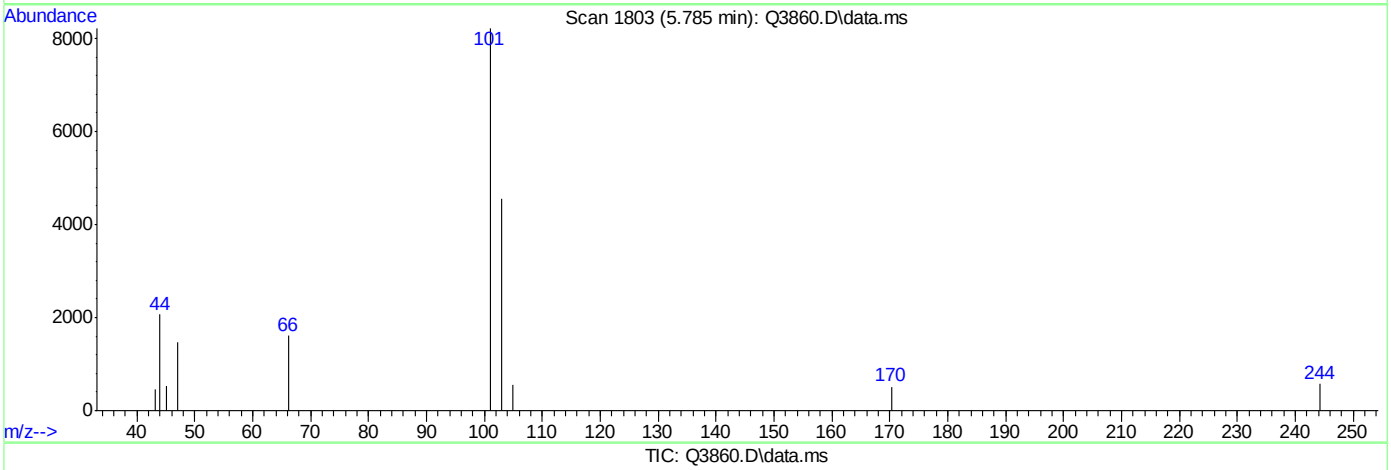
Ion	Exp%	Act%
50.00	100	100
52.00	32.20	27.85
0.00	0.00	0.00
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\
Data File : Q3860.D
Acq On : 29 Jun 2007 6:05 pm
Operator : PhilipB
Sample : M65942-1DUP
Misc : MS13857, MSQ207,,,,,1
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Jul 02 09:18:06 2007
Quant Method : C:\msdchem\1\METHODS\Q062707T.m
Quant Title : TO15 by GCMS w/DB-1 60 m X .25 mm ID 1.0 um
QLast Update : Wed Jun 27 17:20:02 2007
Response via : Initial Calibration





TIC: Q3860.D\data.ms

(10) TRICHLOROFLUOROMETHANE (m)

5.785min (-0.003) 0.33PPBV

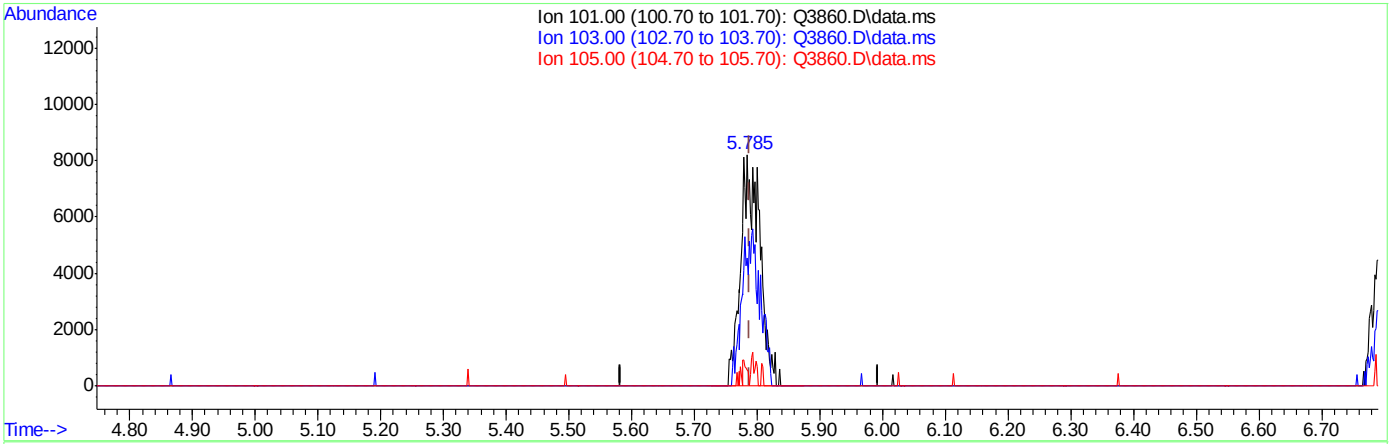
response 9197

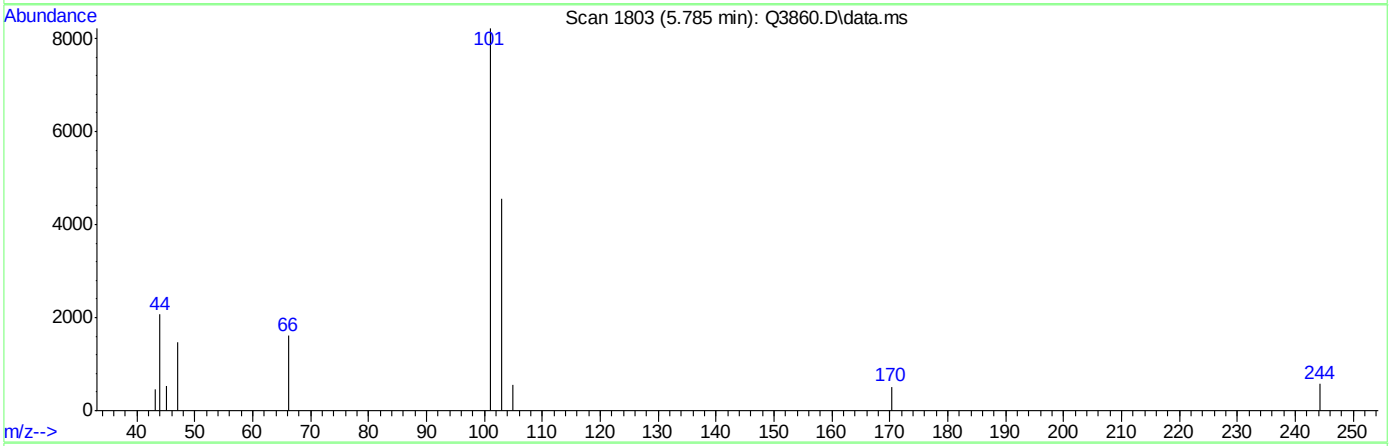
Ion	Exp%	Act%
101.00	100	100
103.00	64.30	0.00#
105.00	10.20	6.30
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\
Data File : Q3860.D
Acq On : 29 Jun 2007 6:05 pm
Operator : PhilipB
Sample : M65942-1DUP
Misc : MS13857, MSQ207,,,,,1
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Jul 02 09:18:06 2007
Quant Method : C:\msdchem\1\METHODS\Q062707T.m
Quant Title : TO15 by GCMS w/DB-1 60 m X .25 mm ID 1.0 um
QLast Update : Wed Jun 27 17:20:02 2007
Response via : Initial Calibration





TIC: Q3860.D\data.ms

(10) TRICHLOROFLUOROMETHANE (m)

5.785min (-0.003) 0.63PPBV m

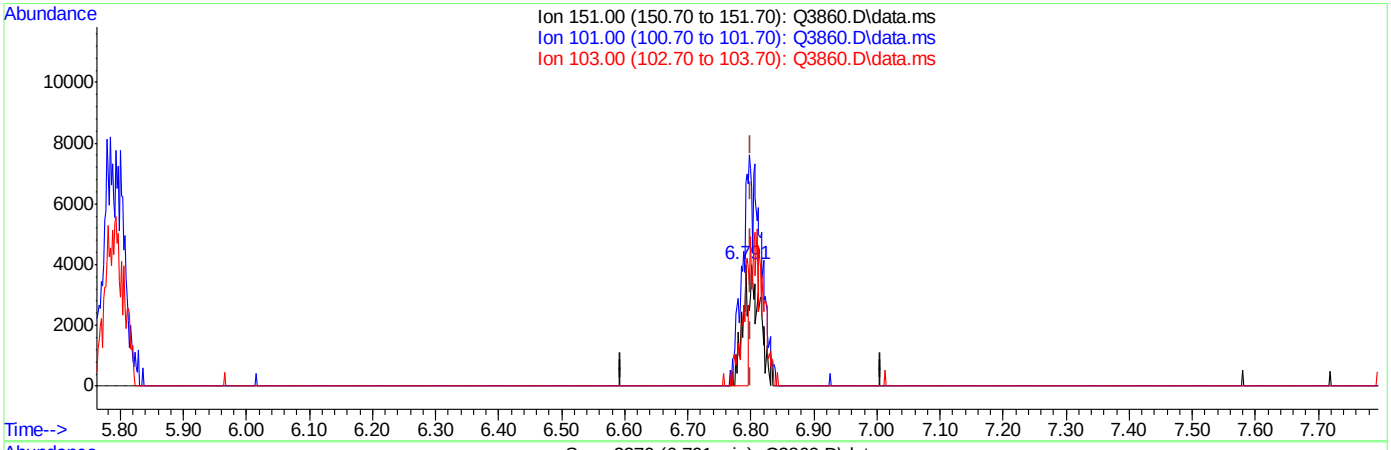
response 17808

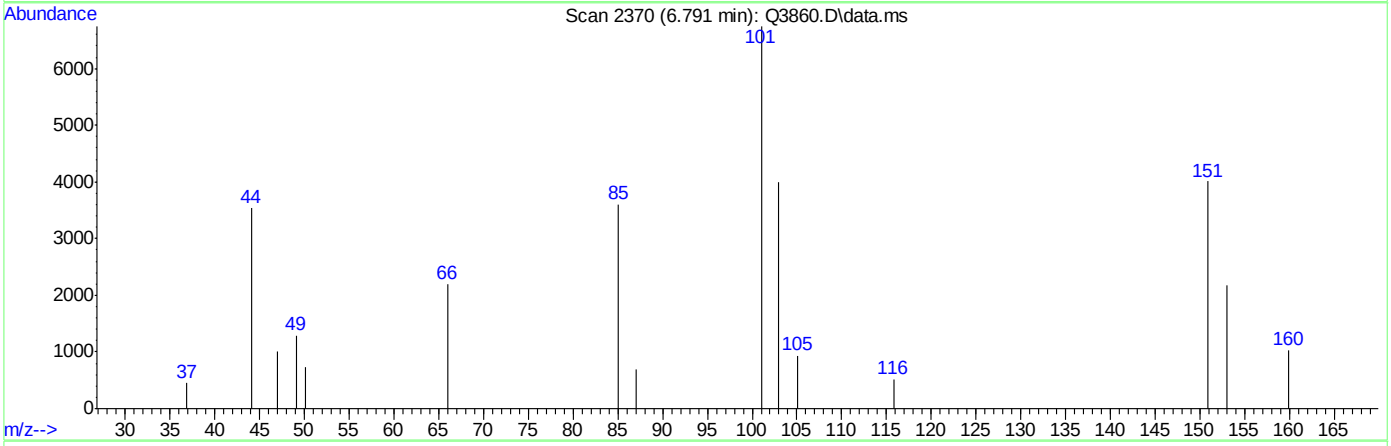
Ion	Exp%	Act%
101.00	100	100
103.00	64.30	0.00#
105.00	10.20	3.25
0.00	0.00	0.00

Quantitation Report (Qedit)

```
Data Path : C:\msdchem\1\DATA\
Data File : Q3860.D
Acq On    : 29 Jun 2007   6:05 pm
Operator  : PhilipB
Sample    : M65942-1DUP
Misc      : MS13857, MSQ207,,,,,1
ALS Vial  : 3   Sample Multiplier: 1

Quant Time: Jul 02 09:18:06 2007
Quant Method : C:\msdchem\1\METHODS\Q062707T.m
Quant Title  : TO15  by GCMS w/DB-1 60 m X .25 mm ID 1.0 um
QLast Update : Wed Jun 27 17:20:02 2007
Response via : Initial Calibration
```



TIC: Q3860.D\data.ms

(20) FREON 113 (m)

6.791min (-0.009) 0.20PPBV

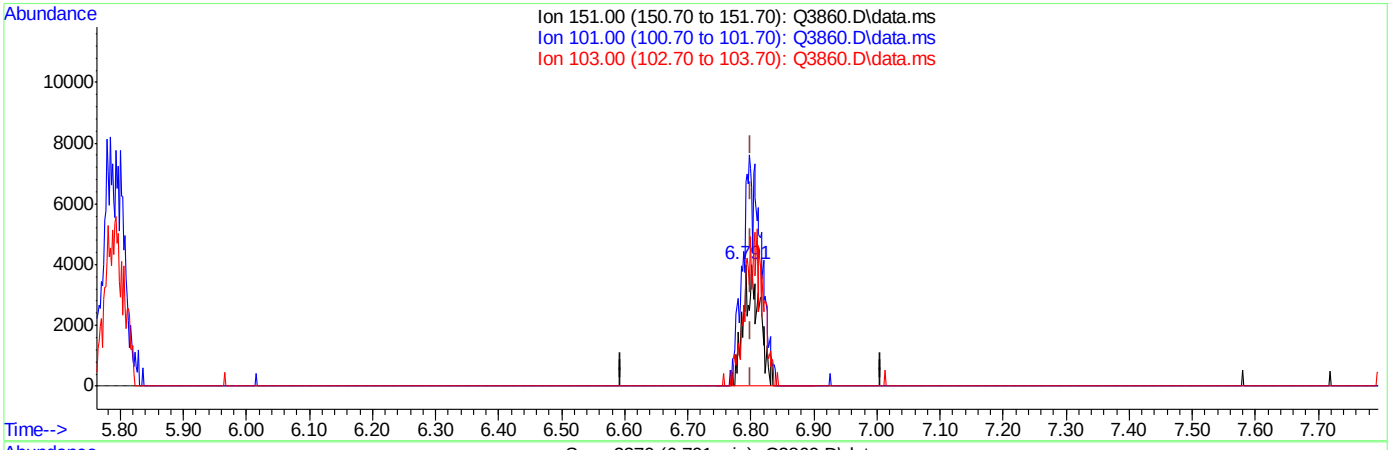
response 2578

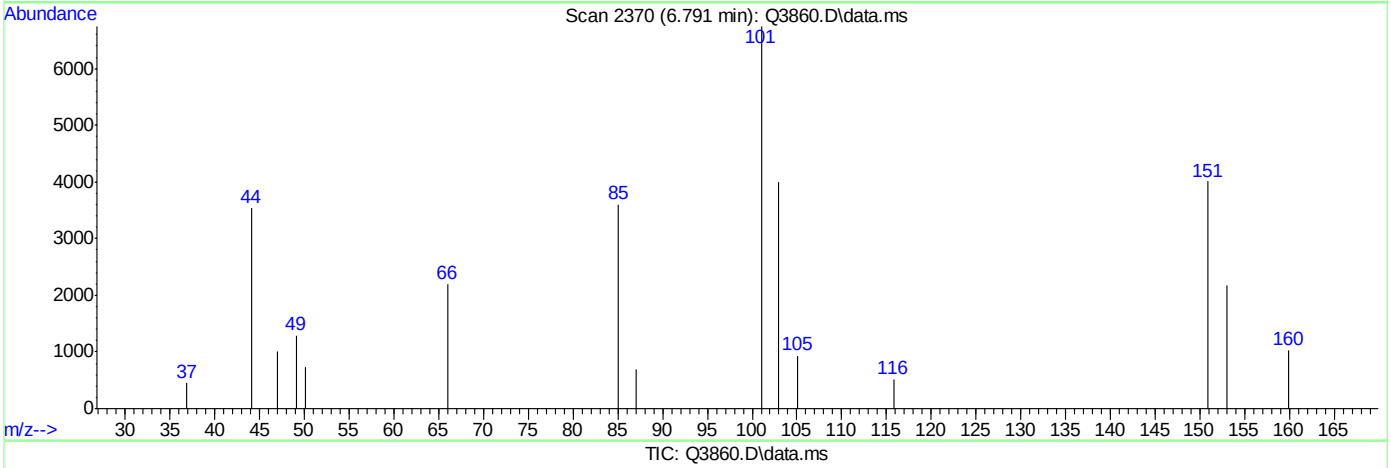
Ion	Exp%	Act%
151.00	100	100
101.00	130.10	323.51#
103.00	83.00	391.89#
0.00	0.00	0.00

Quantitation Report (Qedit)

```
Data Path : C:\msdchem\1\DATA\
Data File : Q3860.D
Acq On    : 29 Jun 2007   6:05 pm
Operator  : PhilipB
Sample    : M65942-1DUP
Misc      : MS13857, MSQ207,,,,,1
ALS Vial  : 3   Sample Multiplier: 1

Quant Time: Jul 02 09:18:06 2007
Quant Method : C:\msdchem\1\METHODS\Q062707T.m
Quant Title  : TO15  by GCMS w/DB-1 60 m X .25 mm ID 1.0 um
QLast Update : Wed Jun 27 17:20:02 2007
Response via : Initial Calibration
```



TIC: Q3860.D\data.ms

(20) FREON 113 (m)

6.791min (-0.009) 0.58PPBV m

response 7483

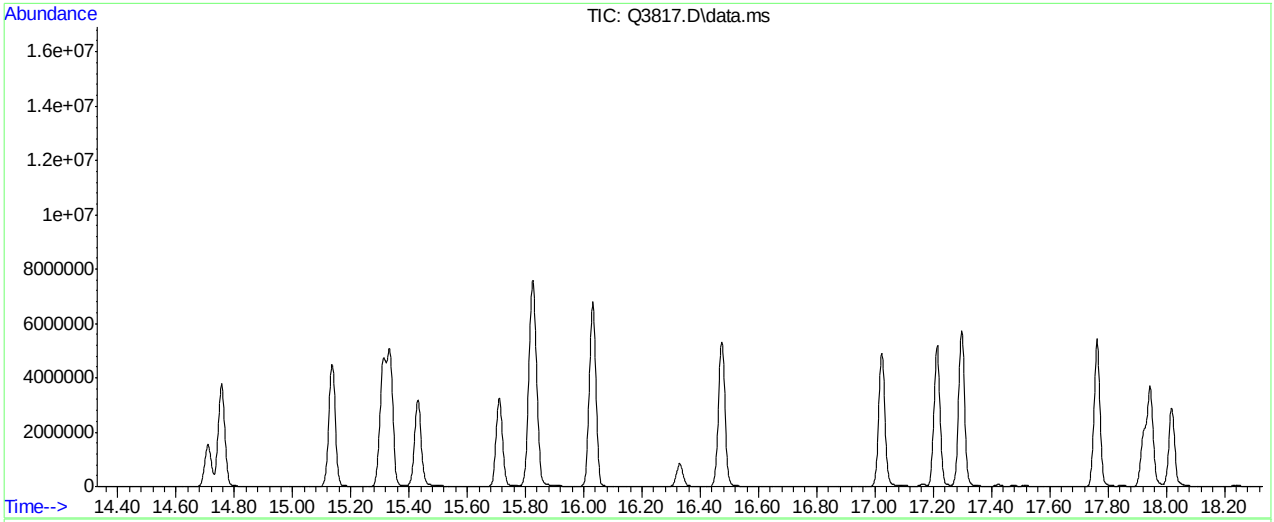
Ion	Exp%	Act%
151.00	100	100
101.00	130.10	111.45
103.00	83.00	135.01#
0.00	0.00	0.00

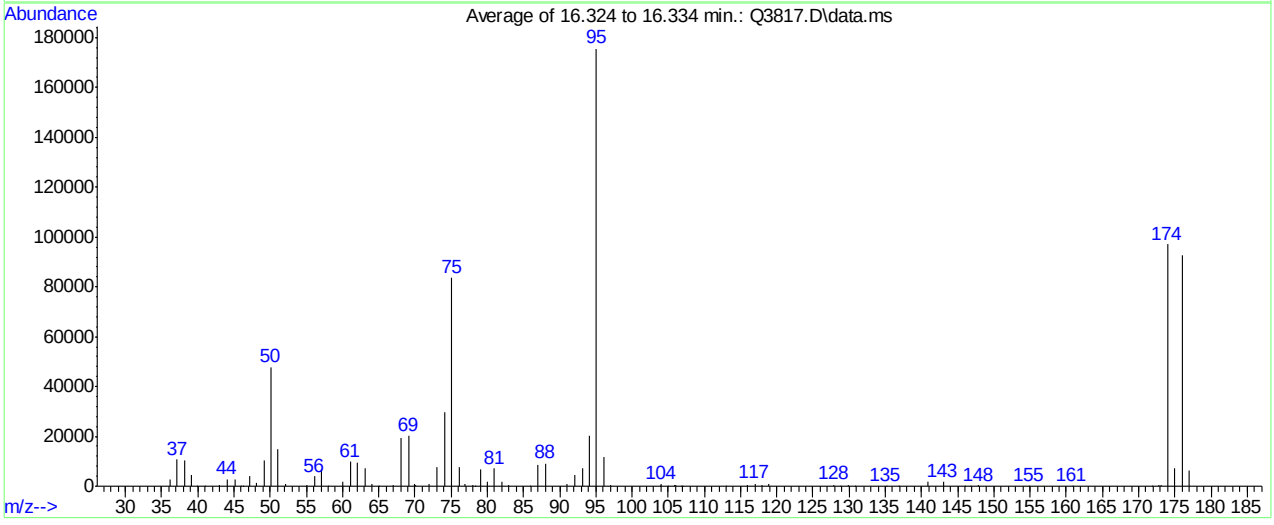
BFB

Data File : C:\msdchem\1\DATA\Q3817.D
Acq On : 27 Jun 2007 11:33 am
Sample : IC205-40 (M041)
Misc : MS13820, MSQ205,,,,,1
MS Integration Params: LSCINT.P

Vial: 1
Operator: PhilipB
Inst : MAMSQ
Multiplr: 1.00

Method : C:\msdchem\1\METHODS\Q062507T.m (RTE Integrator)
Title : TO15 by GCMS w/DB-1 60 m X .25 mm ID 1.0 um





Spectrum Information: Average of 16.324 to 16.334 min.

Target Mass	Rel. to Mass	Lower Limit%	Upper Limit%	Rel. Abn%	Raw Abn	Result Pass/Fail
50	95	8	40	27.2	47699	PASS
75	95	30	66	47.6	83635	PASS
95	95	100	100	100.0	175661	PASS
96	95	5	9	6.6	11668	PASS
173	174	0.00	2	0.4	431	PASS
174	95	50	120	55.2	96997	PASS
175	174	4	9	7.2	6997	PASS
176	174	93	101	95.5	92628	PASS
177	176	5	9	6.8	6290	PASS

Q3817.D Q062507T.m Wed Jun 27 17:17:20 2007 RPT1

Average of 16.324 to 16.334 min.: Q3817.D\data.ms
IC205-40 (M041)

m/z	abund.	m/z	abund.	m/z	abund.	m/z	abund.
36.10	2559	47.10	4022	61.10	9838	73.10	7739
37.10	10763	48.05	1317	62.10	9660	74.10	29813
38.15	10208	49.15	10222	63.10	7159	75.10	83635
39.15	4558	50.10	47699	64.05	776	76.10	7443
39.90	65	51.10	14859	65.00	67	76.95	1140
41.00	91	52.05	758	66.95	440	78.00	687
43.05	275	55.10	652	68.10	19379	78.30	125
44.05	2832	56.10	3884	69.10	20123	79.00	6762
45.10	2762	57.15	6875	70.00	1052	80.05	1988
46.00	66	58.05	124	70.15	423	81.00	6993
46.30	63	60.05	1831	72.00	1012	82.00	1611

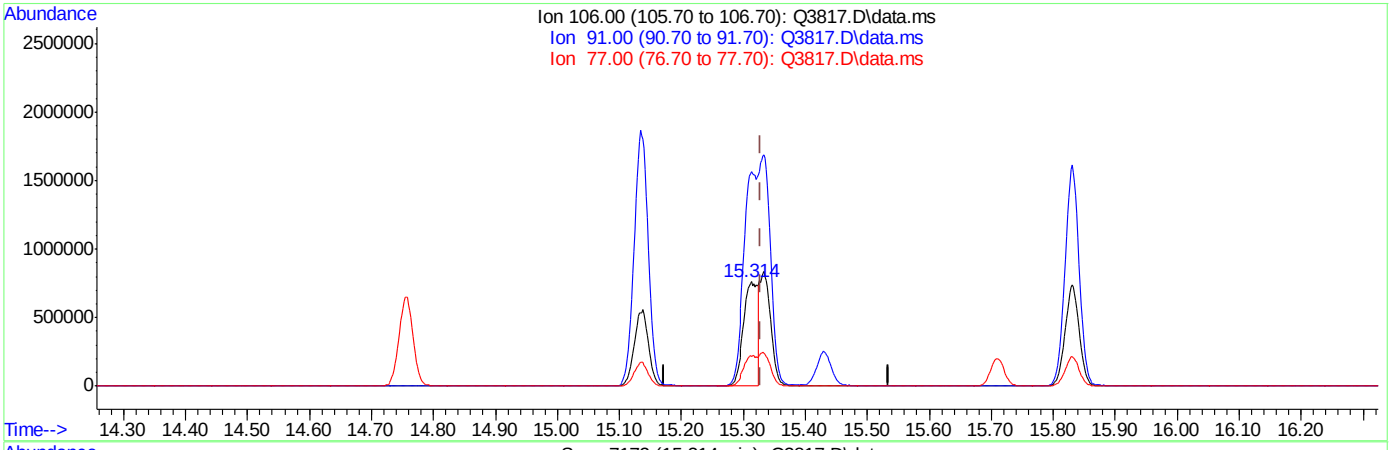
Average of 16.324 to 16.334 min.: Q3817.D\data.ms
IC205-40 (M041)

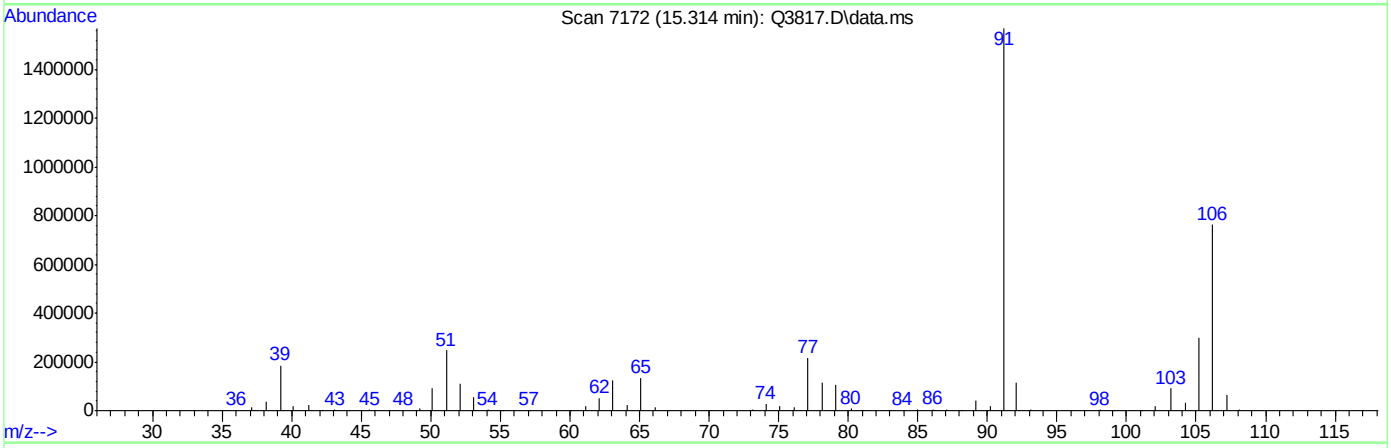
m/z	abund.	m/z	abund.	m/z	abund.	m/z	abund.
83.00	441	103.80	105	118.95	994	147.90	317
85.90	74	104.05	875	127.90	557	154.90	59
87.05	8687	104.90	130	128.85	134	160.80	57
88.00	9017	105.85	264	129.95	545	171.80	73
91.00	1006	106.05	557	130.80	88	172.75	272
92.05	4532	106.80	57	135.10	83	173.05	431
93.10	7298	107.00	68	136.80	71	174.00	96997
94.10	20184	113.00	84	140.95	1600	175.00	6997
95.10	175661	115.90	629	143.00	1671	176.00	92628
96.10	11668	116.95	1052	145.95	137	177.05	6290
97.05	344	117.90	467	146.80	67		

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\
Data File : Q3817.D
Acq On : 27 Jun 2007 11:33 am
Operator : PhilipB
Sample : IC205-40 (M041)
Misc : MS13820, MSQ205,,,,,1
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Jun 27 13:09:27 2007
Quant Method : C:\msdchem\1\METHODS\Q062507T.m
Quant Title : TO15 by GCMS w/DB-1 60 m X .25 mm ID 1.0 um
QLast Update : Wed Jun 27 13:09:21 2007
Response via : Initial Calibration





TIC: Q3817.D\data.ms

(56) m,p-XYLENE (m)

15.314min (-0.015) 53.46PPBV

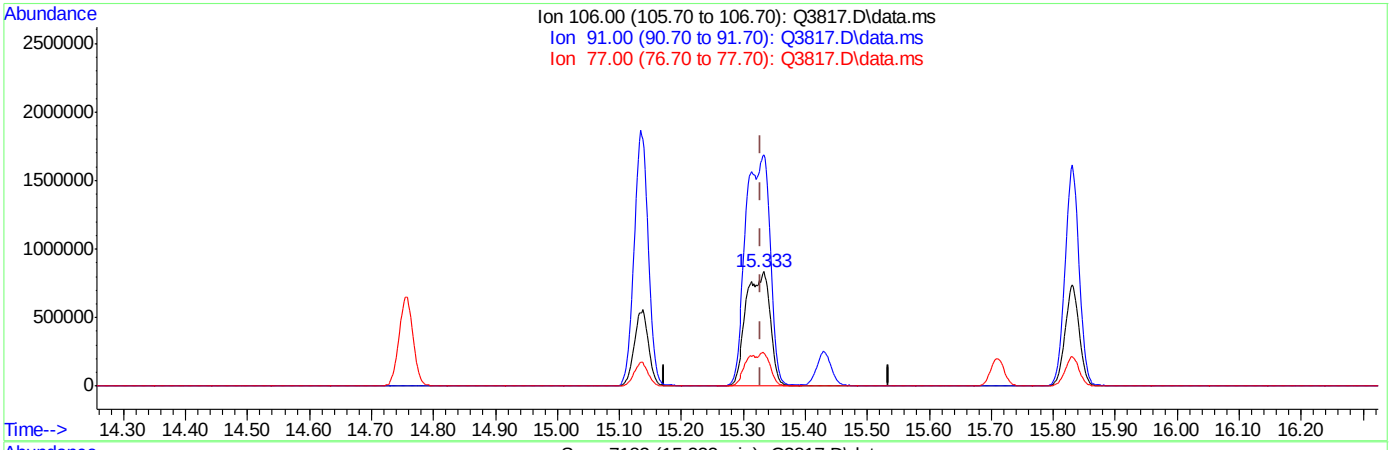
response 1225036

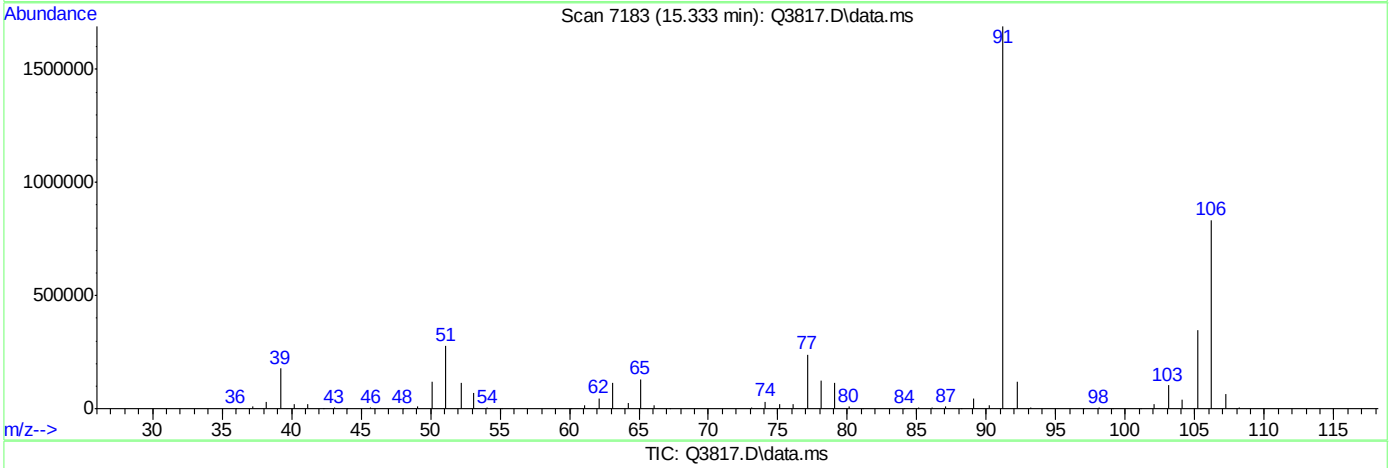
Ion	Exp%	Act%
106.00	100	100
91.00	201.30	205.45
77.00	27.30	28.27
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\
Data File : Q3817.D
Acq On : 27 Jun 2007 11:33 am
Operator : PhilipB
Sample : IC205-40 (M041)
Misc : MS13820, MSQ205,,,,,1
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Jun 27 13:09:27 2007
Quant Method : C:\msdchem\1\METHODS\Q062507T.m
Quant Title : TO15 by GCMS w/DB-1 60 m X .25 mm ID 1.0 um
QLast Update : Wed Jun 27 13:09:21 2007
Response via : Initial Calibration





TIC: Q3817.D\data.ms

(56) m,p-XYLENE (m)

15.333min (+0.004) 97.88PPBV m

response 2242622

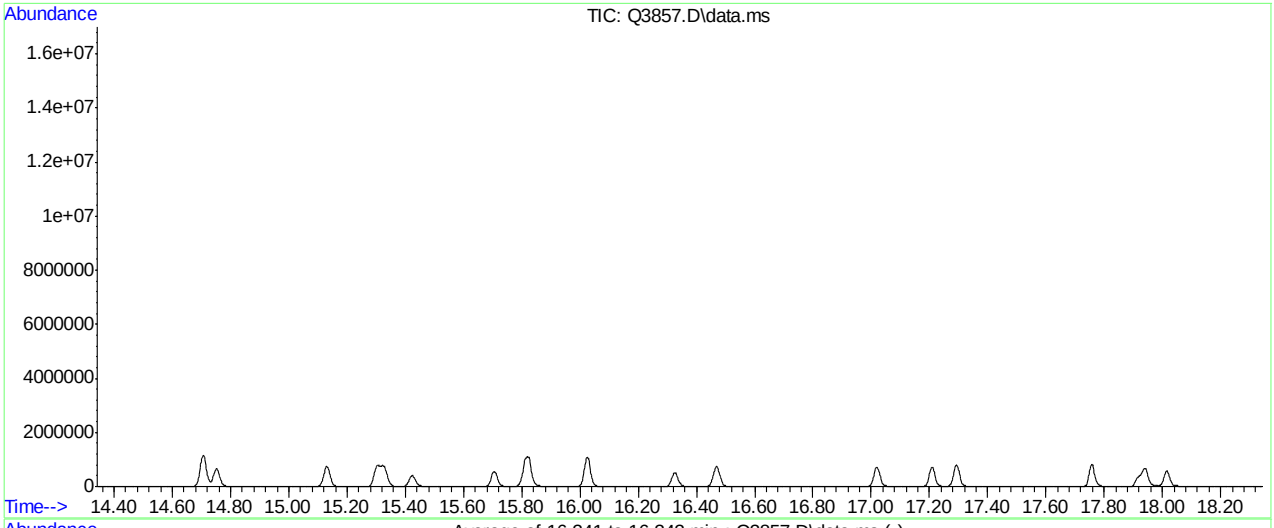
Ion	Exp%	Act%
106.00	100	100
91.00	201.30	202.86
77.00	27.30	28.75
0.00	0.00	0.00

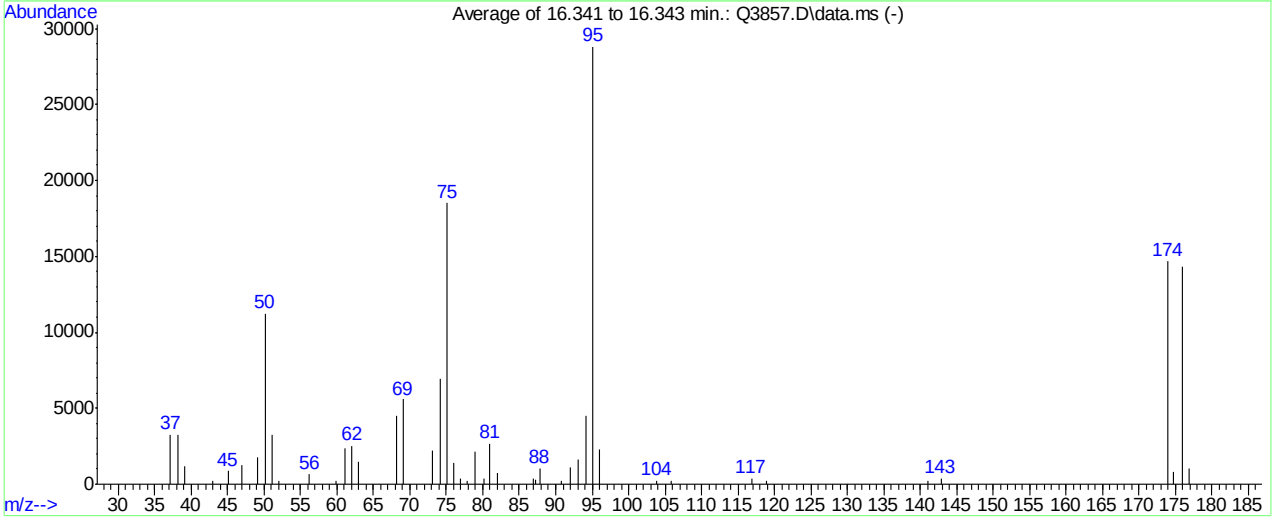
BFB

Data File : C:\msdchem\1\DATA\Q3857.D
Acq On : 29 Jun 2007 3:53 pm
Sample : CC204-10 (M080)
Misc : MS13857, MSQ207,,,,,1
MS Integration Params: LSCINT.P

Vial: 2
Operator: PhilipB
Inst : MAMSQ
Multiplr: 1.00

Method : C:\msdchem\1\METHODS\Q062707T.m (RTE Integrator)
Title : TO15 by GCMS w/DB-1 60 m X .25 mm ID 1.0 um





Spectrum Information: Average of 16.341 to 16.343 min.

Target Mass	Rel. to Mass	Lower Limit%	Upper Limit%	Rel. Abn%	Raw Abn	Result Pass/Fail
50	95	8	40	38.9	11220	PASS
75	95	30	66	64.3	18521	PASS
95	95	100	100	100.0	28815	PASS
96	95	5	9	8.0	2299	PASS
173	174	0.00	2	0.0	0	PASS
174	95	50	120	51.0	14696	PASS
175	174	4	9	5.8	850	PASS
176	174	93	101	97.5	14324	PASS
177	176	5	9	7.1	1022	PASS

Q3857.D Q062707T.m Fri Jun 29 16:40:44 2007 RPT1

Average of 16.341 to 16.343 min.: Q3857.D\data.ms
CC204-10 (M080)
Modified:subtracted

m/z	abund.	m/z	abund.	m/z	abund.	m/z	abund.
37.10	3248	59.80	223	77.90	233	94.10	4483
38.10	3214	61.10	2369	79.00	2129	95.10	28815
39.10	1203	62.05	2537	80.10	355	96.05	2299
43.00	233	63.00	1515	81.00	2670	103.90	241
45.05	863	68.10	4513	81.95	747	105.90	228
47.00	1251	69.05	5574	87.00	389	116.90	383
49.05	1806	73.10	2237	87.20	331	118.90	227
50.10	11220	74.10	6958	87.85	1043	141.10	221
51.05	3260	75.10	18521	90.80	212	142.90	385
52.00	240	76.05	1410	91.95	1093	174.00	14696
56.20	690	76.90	391	93.10	1612	174.80	850

Average of 16.341 to 16.343 min.: Q3857.D\data.ms
CC204-10 (M080)
Modified:subtracted

m/z	abund.	m/z	abund.	m/z	abund.	m/z	abund.
176.00	14324						
176.90	1022						

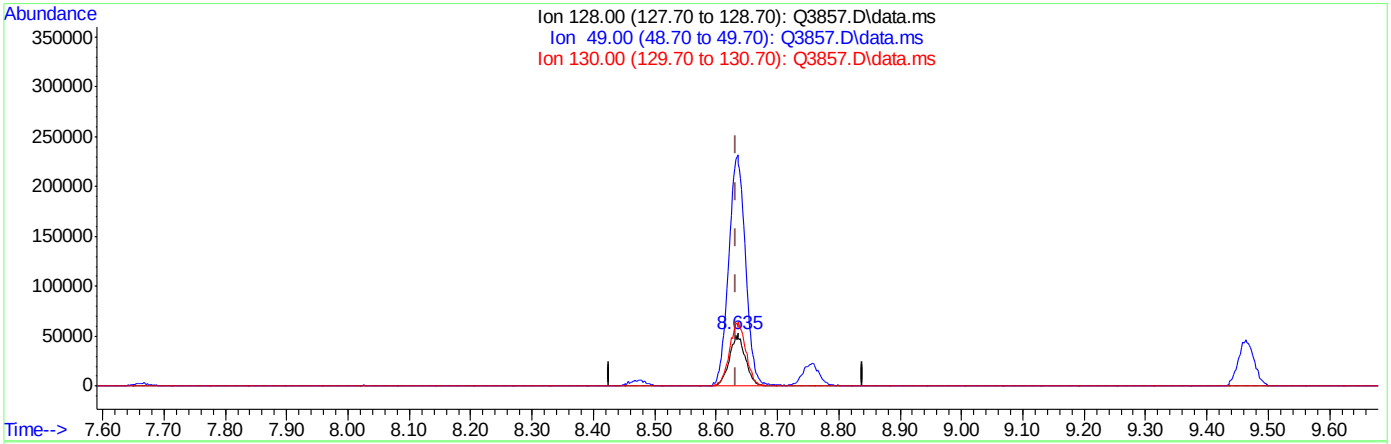
6.5.2

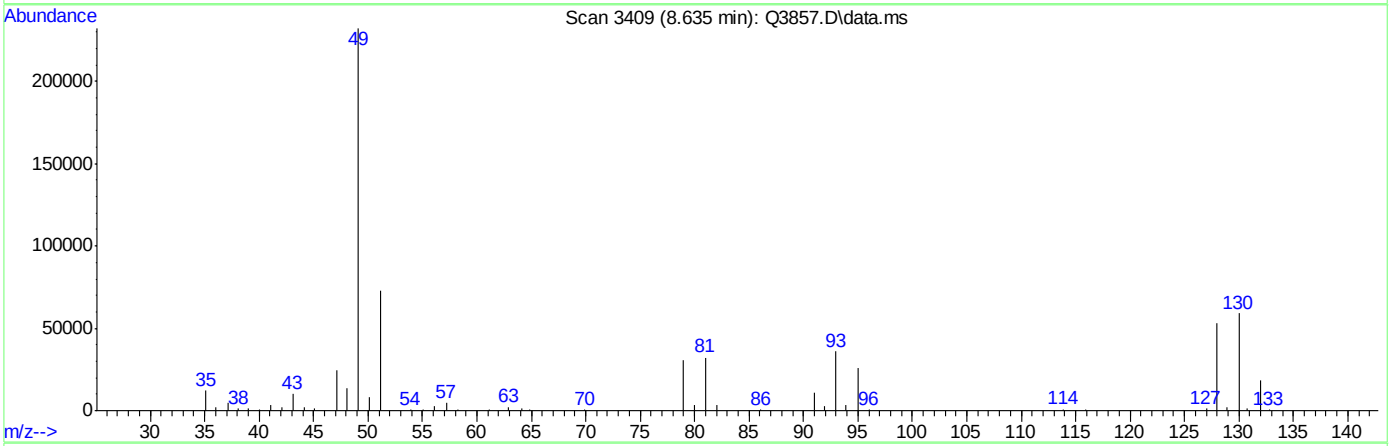
6

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\
Data File : Q3857.D
Acq On : 29 Jun 2007 3:53 pm
Operator : PhilipB
Sample : CC204-10 (M080)
Misc : MS13857, MSQ207,,,,,1
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Jun 29 16:35:22 2007
Quant Method : C:\msdchem\1\METHODS\Q062707T.m
Quant Title : TO15 by GCMS w/DB-1 60 m X .25 mm ID 1.0 um
QLast Update : Wed Jun 27 17:20:02 2007
Response via : Initial Calibration





TIC: Q3857.D\data.ms

(1) BROMOCHLOROMETHANE (I)

8.635min (+0.002) 10.00PPBV

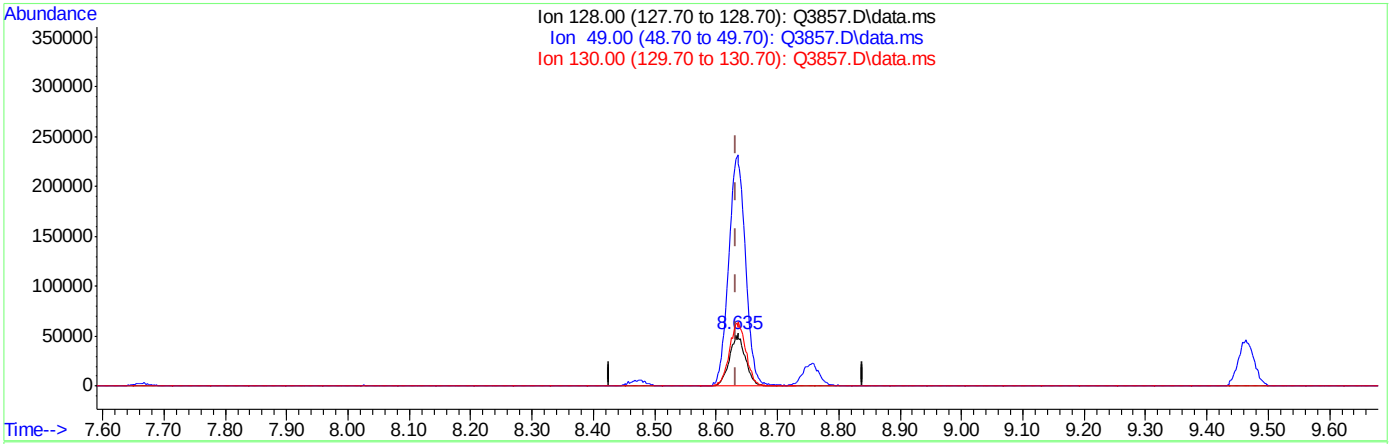
response 95475

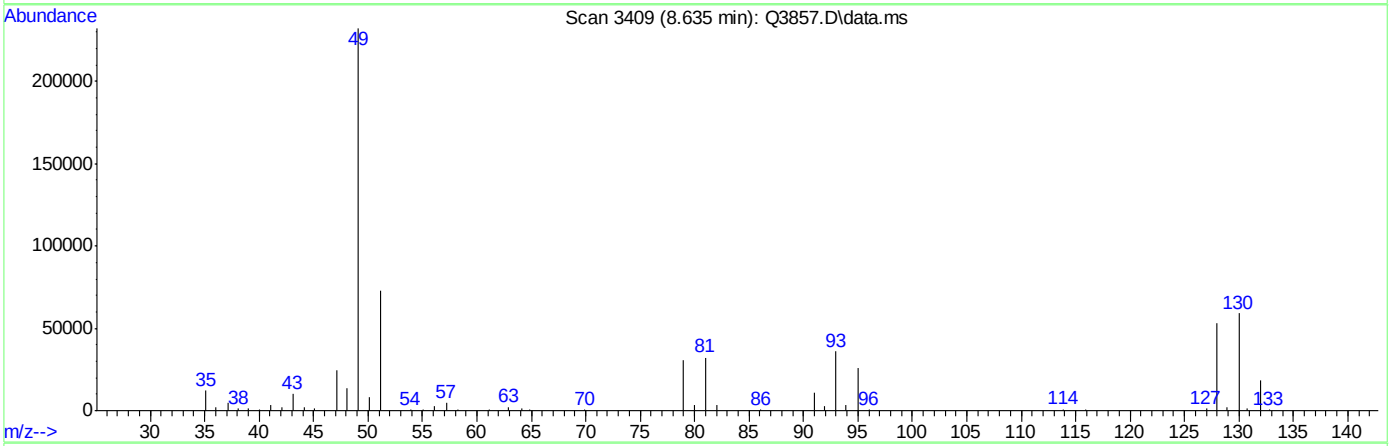
Ion	Exp%	Act%
128.00	100	100
49.00	276.40	474.00#
130.00	126.60	128.36
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\
Data File : Q3857.D
Acq On : 29 Jun 2007 3:53 pm
Operator : PhilipB
Sample : CC204-10 (M080)
Misc : MS13857, MSQ207,,,,,1
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Jun 29 16:35:22 2007
Quant Method : C:\msdchem\1\METHODS\Q062707T.m
Quant Title : TO15 by GCMS w/DB-1 60 m X .25 mm ID 1.0 um
QLast Update : Wed Jun 27 17:20:02 2007
Response via : Initial Calibration





TIC: Q3857.D\data.ms

(1) BROMOCHLOROMETHANE (I)

8.635min (+0.002) 10.00PPBV m

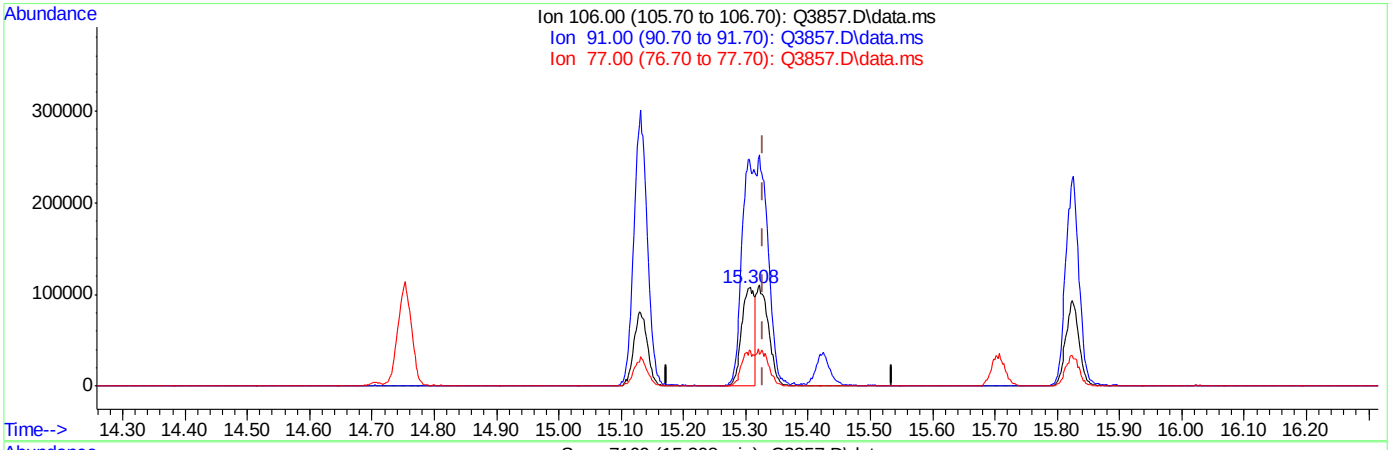
response 95802

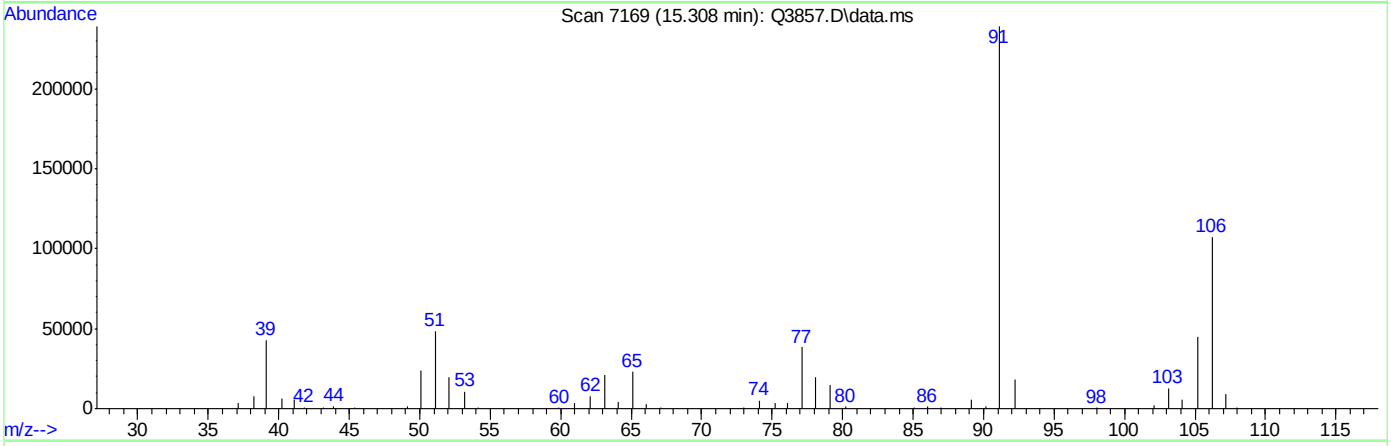
Ion	Exp%	Act%
128.00	100	100
49.00	276.40	472.38#
130.00	126.60	127.92
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\
Data File : Q3857.D
Acq On : 29 Jun 2007 3:53 pm
Operator : PhilipB
Sample : CC204-10 (M080)
Misc : MS13857, MSQ207,,,,,1
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Jun 29 16:35:22 2007
Quant Method : C:\msdchem\1\METHODS\Q062707T.m
Quant Title : TO15 by GCMS w/DB-1 60 m X .25 mm ID 1.0 um
QLast Update : Wed Jun 27 17:20:02 2007
Response via : Initial Calibration





TIC: Q3857.D\data.ms

(56) m,p-XYLENE (m)

15.308min (-0.021) 10.54PPBV

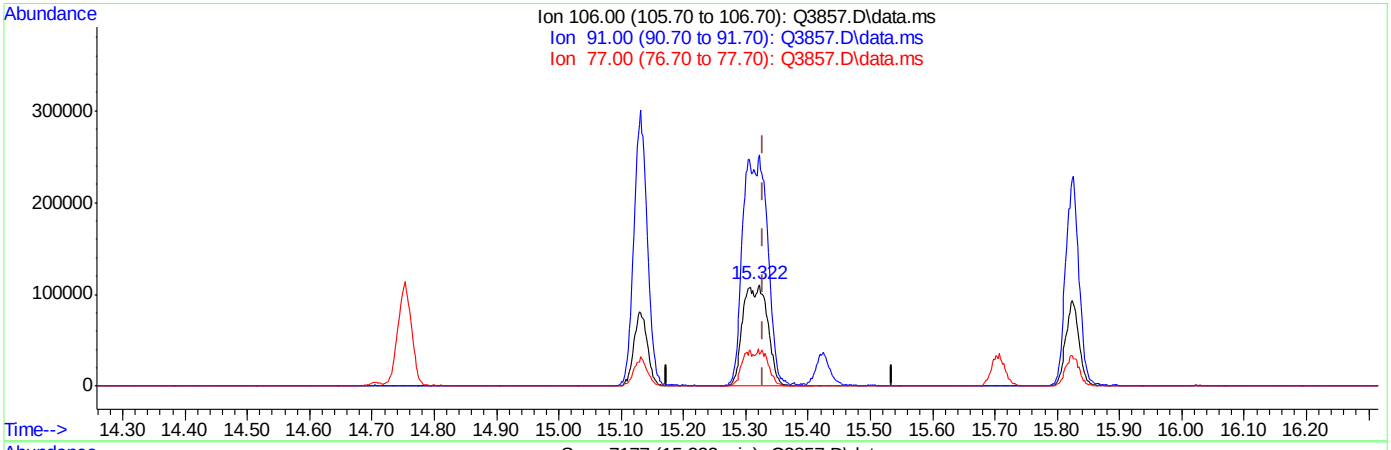
response 154498

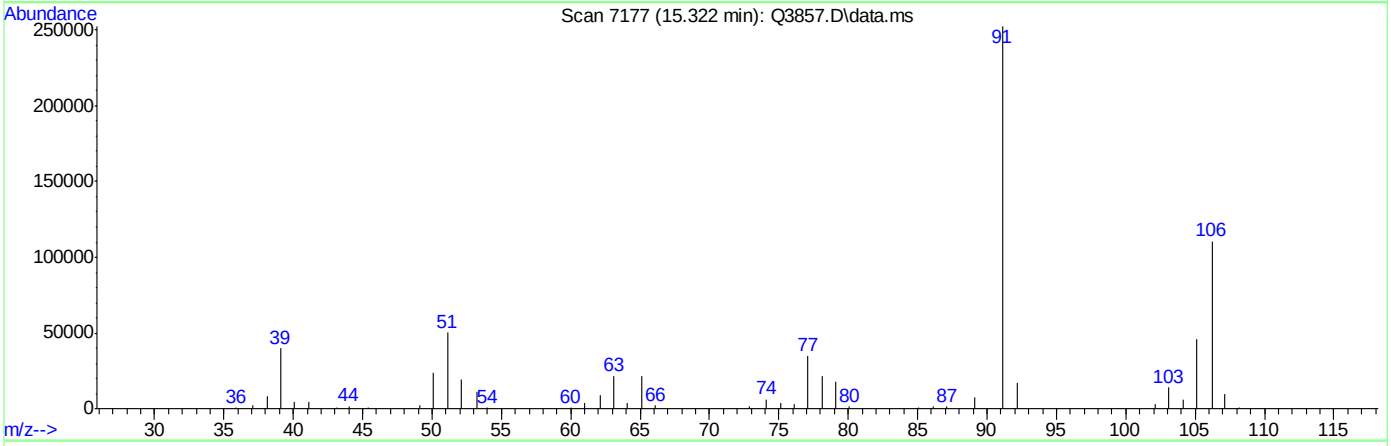
Ion	Exp%	Act%
106.00	100	100
91.00	201.30	222.43
77.00	27.30	35.83#
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\
Data File : Q3857.D
Acq On : 29 Jun 2007 3:53 pm
Operator : PhilipB
Sample : CC204-10 (M080)
Misc : MS13857, MSQ207,,,,,1
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Jun 29 16:35:22 2007
Quant Method : C:\msdchem\1\METHODS\Q062707T.m
Quant Title : TO15 by GCMS w/DB-1 60 m X .25 mm ID 1.0 um
QLast Update : Wed Jun 27 17:20:02 2007
Response via : Initial Calibration





TIC: Q3857.D\data.ms

(56) m,p-XYLENE (m)

15.322min (-0.007) 20.79PPBV m

response 304676

Ion	Exp%	Act%
106.00	100	100
91.00	201.30	228.34
77.00	27.30	31.29
0.00	0.00	0.00

Manual Integrations APPROVED (compounds with "m" flag)
Doug Yargeau
06/28/07 14:05

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\
Data File : Q3817.D
Acq On : 27 Jun 2007 11:33 am
Operator : PhilipB
Sample : IC205-40 (M041)
Misc : MS13820, MSQ205,,,,,1
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Jun 27 13:09:47 2007
Quant Method : C:\msdchem\1\METHODS\Q062507T.m
Quant Title : TO15 by GCMS w/DB-1 60 m X .25 mm ID 1.0 um
QLast Update : Wed Jun 27 13:09:21 2007
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) BROMOCHLOROMETHANE	8.637	128	156003	10.00	PPBV	0.00
35) 1,4-DIFLUOROBENZENE	10.467	114	791017	10.00	PPBV	0.00
49) CHLOROBENZENE-D5	14.709	117	684005	10.00	PPBV	0.00

System Monitoring Compounds

61) 4-BROMOFLUOROBENZENE	16.327	95	294091	5.32	PPBV	0.00

Spiked Amount 5.000 Range 57 - 139 Recovery = 106.40%

Target Compounds						Qvalue
2) DICHLORODIFLUOROMETHANE	4.032	85	2614136	38.71	PPBV	97
3) PROPYLENE	3.964	41	920965	64.53	PPBV	98
4) FREON 114	4.296	85	2577139	49.92	PPBV	90
5) CHLOROMETHANE	4.197	50	1242369	62.12	PPBV	100
6) VINYL CHLORIDE	4.422	62	1066975	55.65	PPBV	99
7) 1,3-BUTADIENE	4.557	39	891640	48.21	PPBV	91
8) BROMOMETHANE	4.836	94	833044	51.75	PPBV	99
9) CHLOROETHANE	5.006	64	441903	50.33	PPBV	95
10) TRICHLOROFLUOROMETHANE	5.787	101	2510288	46.83	PPBV	100
11) ISOPROPYL ALCOHOL	5.826	45	1660272	39.46	PPBV	98
12) ACETONE	5.592	43	1375063	40.45	PPBV	97
13) PENTANE	6.142	42	1112411	38.55	PPBV	92
14) 1,1-DICHLOROETHYLENE	6.422	96	783452	45.11	PPBV #	79
15) CARBON DISULFIDE	6.857	76	2196867	42.99	PPBV	92
16) ETHANOL	5.095	45	321049	50.08	PPBV	99
17) BROMOETHENE	5.370	106	779867	45.00	PPBV	98
18) METHYLENE CHLORIDE	6.538	84	709596	44.47	PPBV	65
19) 3-CHLOROPROPENE	6.656	39	846514	42.58	PPBV	90
20) FREON 113	6.798	151	1193144	50.39	PPBV #	82
21) TRANS-1,2-DICHLOROETHY...	7.468	96	727053	46.32	PPBV #	82
22) TERTIARY BUTYL ALCOHOL	6.429	59	2012689	44.65	PPBV	96
23) METHYL TERTIARY BUTYL ...	7.711	73	1690562	46.88	PPBV	92
24) TETRAHYDROFURAN	9.138	42	1005090	44.83	PPBV	97
25) HEXANE	8.669	57	1627024	44.74	PPBV	99
26) VINYL ACETATE	7.791	43	1808277	42.88	PPBV	96
27) 1,1-DICHLOROETHANE	7.665	63	1851077	45.96	PPBV	98
28) METHYL ETHYL KETONE	8.034	43	1835572	44.81	PPBV	98
29) cis-1,2-DICHLOROETHYLENE	8.470	96	762967	45.11	PPBV	98
30) ETHYL ACETATE	8.665	43	3219278	44.83	PPBV	99
31) CHLOROFORM	8.758	83	1773320	45.14	PPBV	97
32) 1,1,1-TRICHLOROETHANE	9.711	97	1694095	47.13	PPBV	94
33) CARBON TETRACHLORIDE	10.293	117	1906303	48.27	PPBV	99
34) 1,2-DICHLOROETHANE	9.466	62	1245516	49.73	PPBV	100
36) BENZENE	10.153	78	2198644	46.20	PPBV	99
37) CYCLOHEXANE	10.415	84	881755	41.37	PPBV	91
38) TRICHLOROETHYLENE	11.152	95	1112398	47.30	PPBV	94
39) 1,2-DICHLOROPROPANE	10.925	63	1006459	45.66	PPBV	91
40) BROMODICHLOROMETHANE	11.113	83	1823602	45.53	PPBV	100
41) 2,2,4-TRIMETHYLPENTANE	11.173	57	5394367	44.13	PPBV	96
42) 1,4-DIOXANE	11.136	88	371935	42.61	PPBV	89
43) HEPTANE	11.409	43	2038558	42.38	PPBV	92

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\
Data File : Q3817.D
Acq On : 27 Jun 2007 11:33 am
Operator : PhilipB
Sample : IC205-40 (M041)
Misc : MS13820, MSQ205,,,,,1
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Jun 27 13:09:47 2007
Quant Method : C:\msdchem\1\METHODS\Q062507T.m
Quant Title : TO15 by GCMS w/DB-1 60 m X .25 mm ID 1.0 um
QLast Update : Wed Jun 27 13:09:21 2007
Response via : Initial Calibration

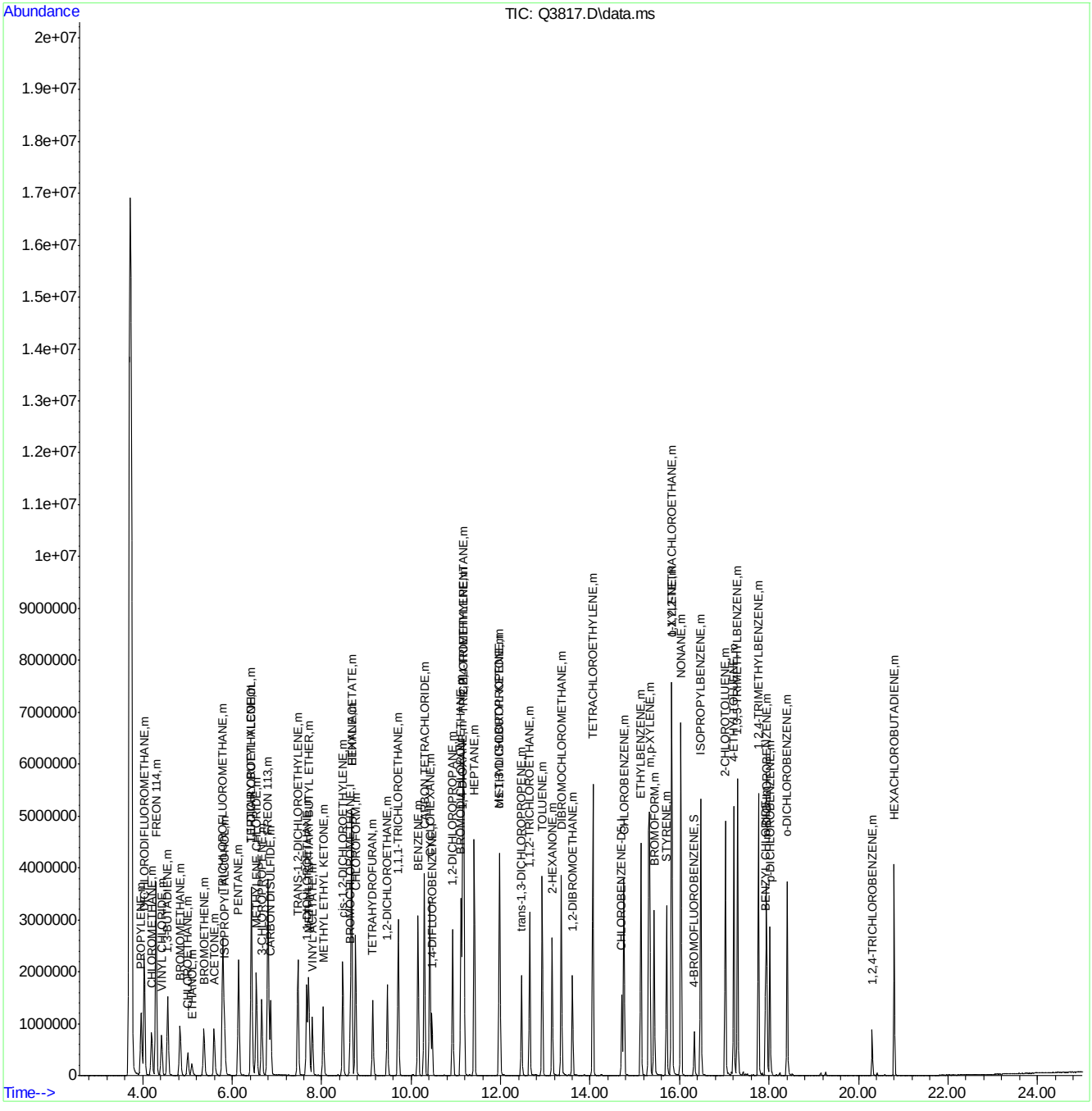
Internal Standards	R.T.	QIon	Response	Conc Units	Dev(Min)
44) METHYL ISOBUTYL KETONE	11.983	43	2311503	42.33 PPBV	94
45) cis-1,3-DICHLOROPROPENE	11.968	75	1089879	46.37 PPBV	96
46) TOLUENE	12.930	92	1351754	46.73 PPBV	99
47) trans-1,3-DICHLOROPROPENE	12.465	75	838217	47.94 PPBV	98
48) 1,1,2-TRICHLOROETHANE	12.648	83	774332	44.96 PPBV	95
50) 2-HEXANONE	13.150	43	1849787	43.95 PPBV	95
51) TETRACHLOROETHYLENE	14.063	164	862844	51.54 PPBV	90
52) DIBROMOCHLOROMETHANE	13.356	129	1679696	52.36 PPBV	99
53) 1,2-DIBROMOETHANE	13.606	107	1192308	47.99 PPBV	100
54) CHLOROBENZENE	14.756	112	1673542	48.16 PPBV	97
55) ETHYLBENZENE	15.135	91	2914916	47.08 PPBV	99
56) m,p-XYLENE	15.333	106	2242622m	97.88 PPBV	
57) o-XYLENE	15.830	106	1151704	48.42 PPBV	99
58) STYRENE	15.710	104	1342228	48.73 PPBV	99
59) NONANE	16.031	43	2771132	43.17 PPBV	93
60) BROMOFORM	15.429	173	1260935	58.10 PPBV	99
62) 1,1,2,2-TETRACHLOROETHANE	15.820	83	2041094	46.55 PPBV	99
63) ISOPROPYLBENZENE	16.474	105	3202256	51.76 PPBV #	100
64) 2-CHLOROTOLUENE	17.023	91	2416635	51.96 PPBV	97
65) 4-ETHYLTOLUENE	17.215	105	2858448	52.56 PPBV	98
66) 1,3,5-TRIMETHYLBENZENE	17.298	105	2716769	52.56 PPBV	100
67) 1,2,4-TRIMETHYLBENZENE	17.763	105	2518914	53.14 PPBV	99
68) m-DICHLOROBENZENE	17.946	146	1102657	56.20 PPBV	97
69) BENZYL CHLORIDE	17.923	91	1141769	52.96 PPBV	98
70) p-DICHLOROBENZENE	18.019	146	896753	52.83 PPBV	97
71) o-DICHLOROBENZENE	18.405	146	1132702	53.91 PPBV	98
72) HEXACHLOROBUTADIENE	20.798	225	353308	40.80 PPBV	100
73) 1,2,4-TRICHLOROBENZENE	20.306	180	157950	46.57 PPBV	97

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

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\
Data File : Q3817.D
Acq On : 27 Jun 2007 11:33 am
Operator : PhilipB
Sample : IC205-40 (M041)
Misc : MS13820, MSQ205,,,,,1
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Jun 27 13:09:47 2007
Quant Method : C:\msdchem\1\METHODS\Q062507T.m
Quant Title : TO15 by GCMS w/DB-1 60 m X .25 mm ID 1.0 um
QLast Update : Wed Jun 27 13:09:21 2007
Response via : Initial Calibration



Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\
Data File : Q3817.D
Acq On : 27 Jun 2007 11:33 am
Operator : PhilipB
Sample : IC205-40 (M041)
Misc : MS13820, MSQ205,,,,,1
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Jun 27 13:09:27 2007
Quant Method : C:\msdchem\1\METHODS\Q062507T.m
Quant Title : TO15 by GCMS w/DB-1 60 m X .25 mm ID 1.0 um
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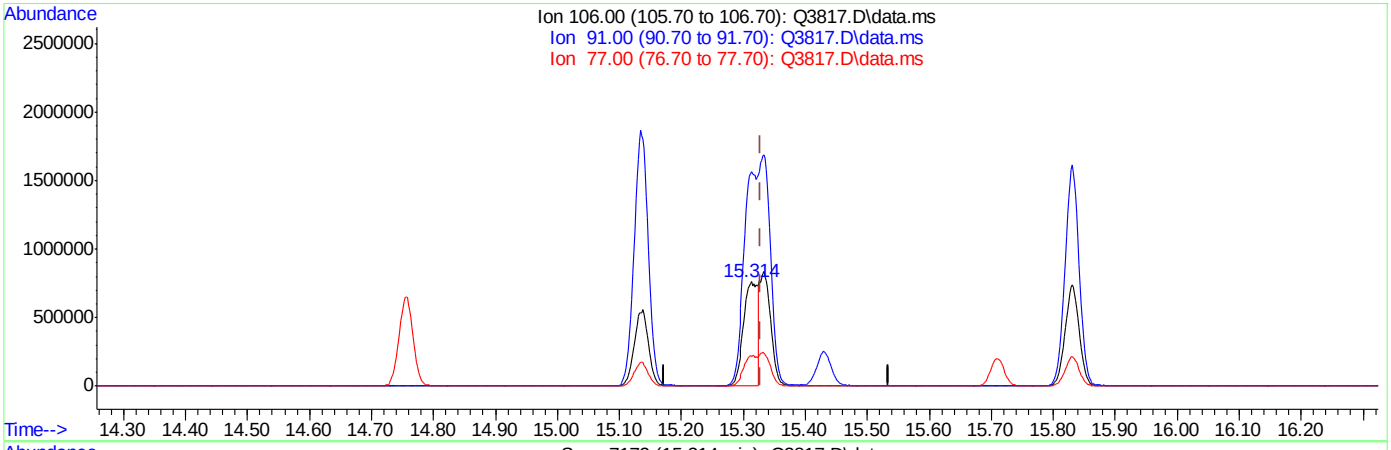
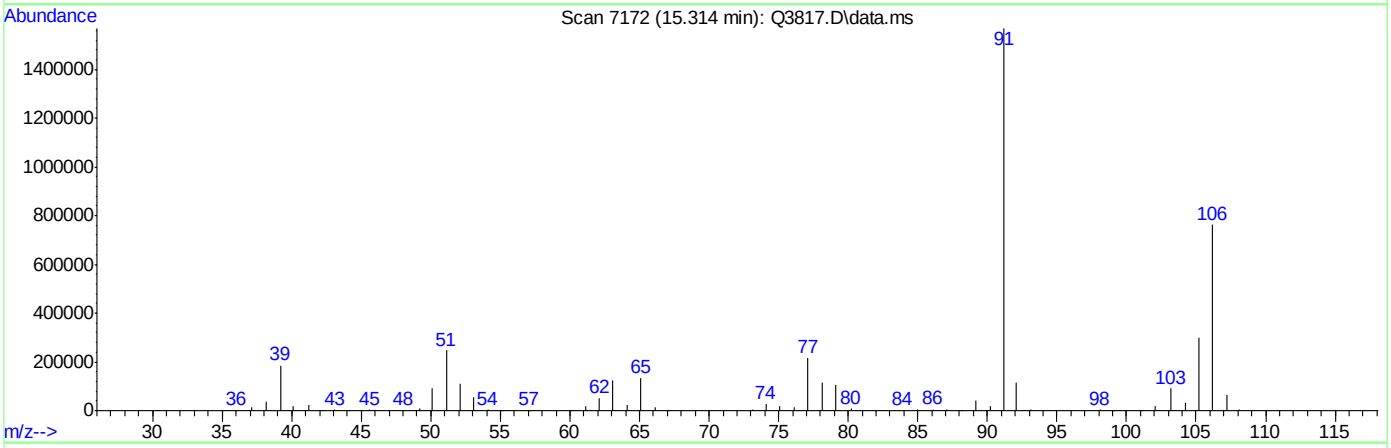
Response via : Initial Calibration





TIC: Q3817.D\data.ms

(56) m,p-XYLENE (m)

15.314min (-0.015) 53.46PPBV

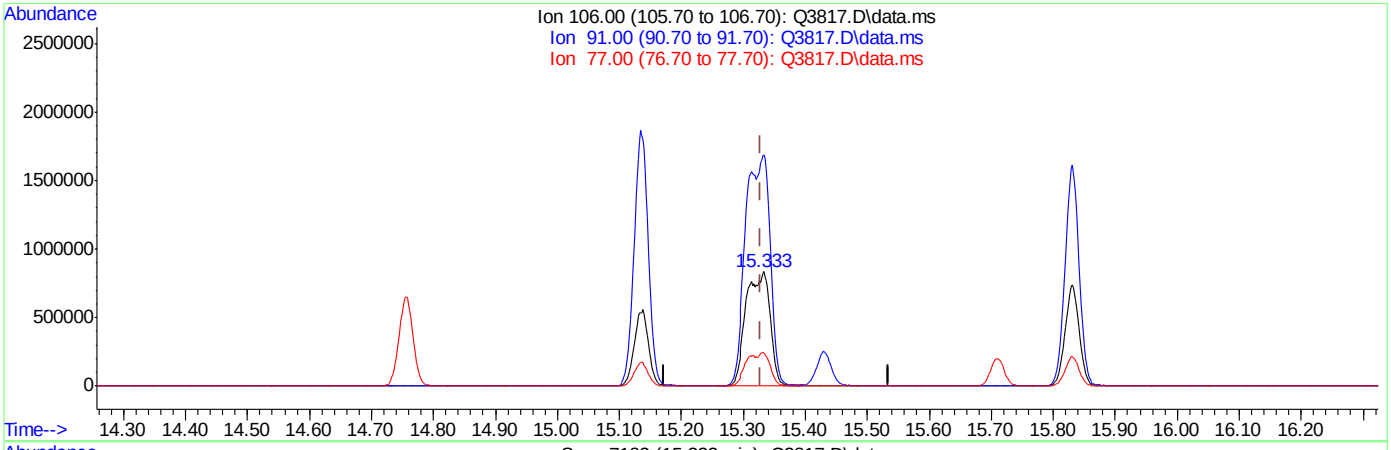
response 1225036

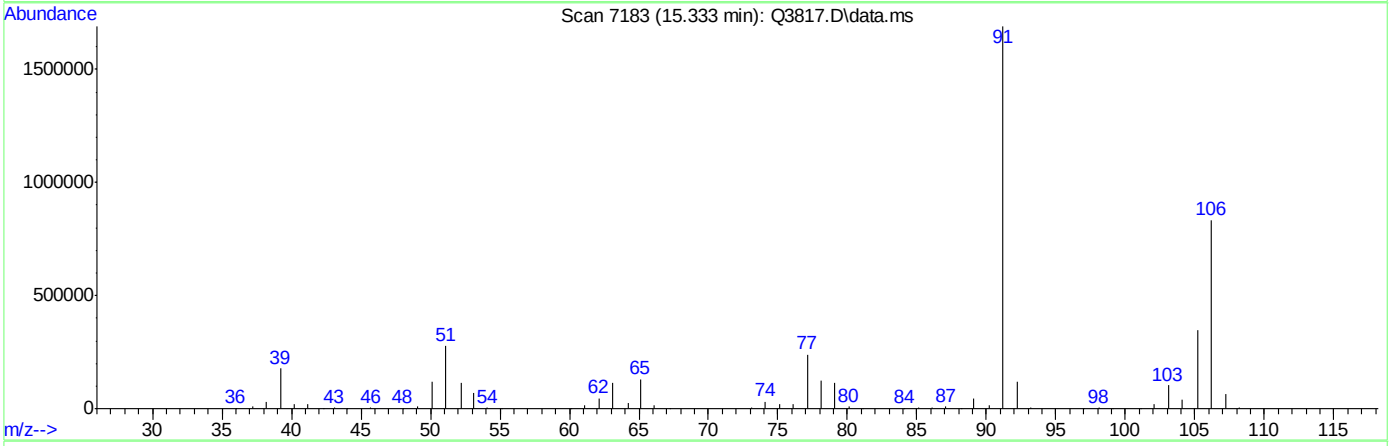
Ion	Exp%	Act%
106.00	100	100
91.00	201.30	205.45
77.00	27.30	28.27
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\
Data File : Q3817.D
Acq On : 27 Jun 2007 11:33 am
Operator : PhilipB
Sample : IC205-40 (M041)
Misc : MS13820, MSQ205,,,,,1
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Jun 27 13:09:27 2007
Quant Method : C:\msdchem\1\METHODS\Q062507T.m
Quant Title : TO15 by GCMS w/DB-1 60 m X .25 mm ID 1.0 um
QLast Update : Wed Jun 27 13:09:21 2007
Response via : Initial Calibration





TIC: Q3817.D\data.ms

(56) m,p-XYLENE (m)

15.333min (+0.004) 97.88PPBV m

response 2242622

Ion	Exp%	Act%
106.00	100	100
91.00	201.30	202.86
77.00	27.30	28.75
0.00	0.00	0.00

Manual Integrations APPROVED (compounds with "m" flag)
Doug Yargeau 06/28/07 14:05

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\
Data File : Q3818.D
Acq On : 27 Jun 2007 12:21 pm
Operator : PhilipB
Sample : IC205-20 (M041)
Misc : MS13820, MSQ205,,,,,1
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Jun 27 13:09:03 2007
Quant Method : C:\msdchem\1\METHODS\Q062507T.m
Quant Title : TO15 by GCMS w/DB-1 60 m X .25 mm ID 1.0 um
QLast Update : Tue Jun 26 08:41:33 2007
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) BROMOCHLOROMETHANE	8.630	128	163216	10.00	PPBV	0.00
35) 1,4-DIFLUOROBENZENE	10.463	114	788263	10.00	PPBV	0.00
49) CHLOROBENZENE-D5	14.708	117	681218	10.00	PPBV	0.00

System Monitoring Compounds

61) 4-BROMOFLUOROBENZENE	16.329	95	275189	4.73	PPBV	0.00

Spiked Amount 5.000 Range 57 - 139 Recovery = 94.60%

Target Compounds							Qvalue
2) DICHLORODIFLUOROMETHANE	4.030	85	1412985	13.59	PPBV		99
3) PROPYLENE	3.964	41	298633	11.34	PPBV		95
4) FREON 114	4.291	85	1080230	11.98	PPBV		94
5) CHLOROMETHANE	4.196	50	418472	11.51	PPBV		97
6) VINYL CHLORIDE	4.417	62	401160	11.91	PPBV		99
7) 1,3-BUTADIENE	4.550	39	386965	13.96	PPBV		83
8) BROMOMETHANE	4.830	94	336844	11.82	PPBV		100
9) CHLOROETHANE	5.006	64	183708	15.69	PPBV		91
10) TRICHLOROFLUOROMETHANE	5.785	101	1121666	11.30	PPBV		99
11) ISOPROPYL ALCOHOL	5.819	45	880485	18.37	PPBV		98
12) ACETONE	5.590	43	711400	16.28	PPBV		96
13) PENTANE	6.140	42	603803	19.89	PPBV		88
14) 1,1-DICHLOROETHYLENE	6.420	96	363431	13.69	PPBV	#	78
15) CARBON DISULFIDE	6.855	76	1069213	14.45	PPBV		90
16) ETHANOL	5.087	45	134136	15.00	PPBV		98
17) BROMOETHENE	5.363	106	362636	13.49	PPBV	#	98
18) METHYLENE CHLORIDE	6.536	84	333890	14.64	PPBV		51
19) 3-CHLOROPROPENE	6.653	39	415952	17.34	PPBV		84
20) FREON 113	6.795	151	495462	11.38	PPBV	#	75
21) TRANS-1,2-DICHLOROETHY...	7.464	96	328456	14.02	PPBV	#	79
22) TERTIARY BUTYL ALCOHOL	6.422	59	943265	15.94	PPBV		91
23) METHYL TERTIARY BUTYL ...	7.707	73	754549	14.80	PPBV		86
24) TETRAHYDROFURAN	9.136	42	469128	16.54	PPBV		99
25) HEXANE	8.665	57	761012	14.92	PPBV		99
26) VINYL ACETATE	7.785	43	882470	18.98	PPBV		95
27) 1,1-DICHLOROETHANE	7.663	63	842745	17.71	PPBV		97
28) METHYL ETHYL KETONE	8.026	43	857137	14.96	PPBV		99
29) cis-1,2-DICHLOROETHYLENE	8.468	96	353876	18.08	PPBV		97
30) ETHYL ACETATE	8.660	43	1502658	15.25	PPBV		99
31) CHLOROFORM	8.754	83	821949	14.65	PPBV		96
32) 1,1,1-TRICHLOROETHANE	9.705	97	752187	12.75	PPBV		94
33) CARBON TETRACHLORIDE	10.291	117	826443	11.82	PPBV		98
34) 1,2-DICHLOROETHANE	9.464	62	524066	12.67	PPBV		99
36) BENZENE	10.147	78	948579	17.70	PPBV		99
37) CYCLOHEXANE	10.412	84	424836	15.40	PPBV		91
38) TRICHLOROETHYLENE	11.146	95	468701	15.49	PPBV		93
39) 1,2-DICHLOROPROPANE	10.923	63	439354	18.50	PPBV		91
40) BROMODICHLOROMETHANE	11.107	83	798269	15.24	PPBV		100
41) 2,2,4-TRIMETHYLPENTANE	11.170	57	2436215	17.82	PPBV		96
42) 1,4-DIOXANE	11.131	88	173967	17.31	PPBV		93
43) HEPTANE	11.407	43	958736	17.11	PPBV		90

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\
Data File : Q3818.D
Acq On : 27 Jun 2007 12:21 pm
Operator : PhilipB
Sample : IC205-20 (M041)
Misc : MS13820, MSQ205,,,,,1
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Jun 27 13:09:03 2007
Quant Method : C:\msdchem\1\METHODS\Q062507T.m
Quant Title : TO15 by GCMS w/DB-1 60 m X .25 mm ID 1.0 um
QLast Update : Tue Jun 26 08:41:33 2007
Response via : Initial Calibration

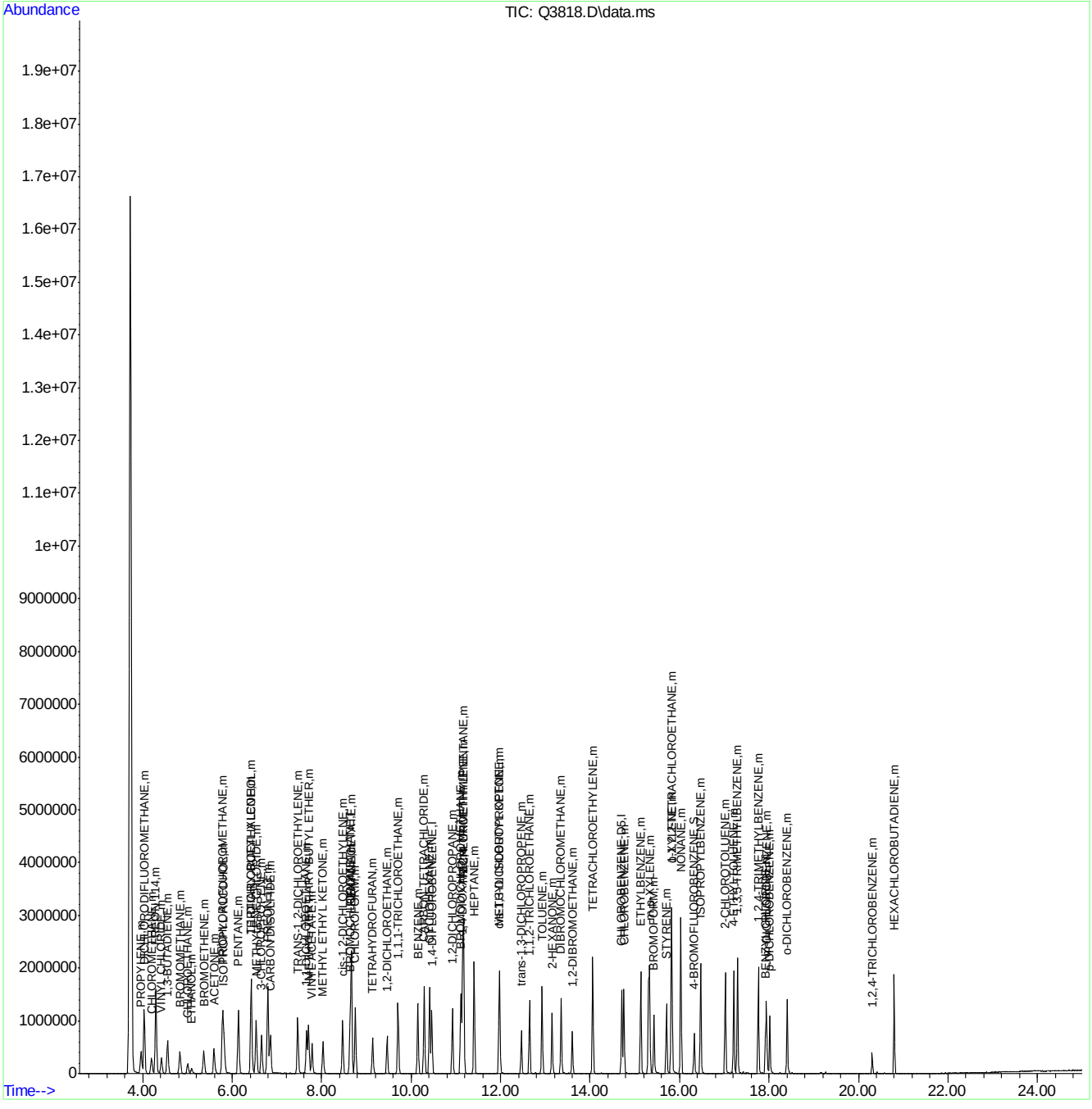
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) METHYL ISOBUTYL KETONE	11.977	43	1088249	17.43	PPBV	92
45) cis-1,3-DICHLOROPROPENE	11.961	75	468417	16.01	PPBV	95
46) TOLUENE	12.925	92	576524	15.97	PPBV	100
47) trans-1,3-DICHLOROPROPENE	12.463	75	348502	12.43	PPBV	95
48) 1,1,2-TRICHLOROETHANE	12.646	83	343246	17.55	PPBV	94
50) 2-HEXANONE	13.148	43	838426	16.54	PPBV	93
51) TETRACHLOROETHYLENE	14.059	164	333455	14.07	PPBV	90
52) DIBROMOCHLOROMETHANE	13.353	129	638925	14.60	PPBV	100
53) 1,2-DIBROMOETHANE	13.601	107	494858	14.72	PPBV	99
54) CHLOROBENZENE	14.753	112	692186	15.18	PPBV	97
55) ETHYLBENZENE	15.133	91	1233308	15.67	PPBV	99
56) m,p-XYLENE	15.326	106	912782m	31.38	PPBV	
57) o-XYLENE	15.828	106	473805	16.56	PPBV	99
58) STYRENE	15.708	104	548638	11.34	PPBV	99
59) NONANE	16.029	43	1278698	18.85	PPBV	90
60) BROMOFORM	15.424	173	432321	11.16	PPBV	100
62) 1,1,2,2-TETRACHLOROETHANE	15.814	83	873446	18.31	PPBV	99
63) ISOPROPYLBENZENE	16.471	105	1232325	14.40	PPBV #	100
64) 2-CHLOROTOLUENE	17.021	91	926409	14.21	PPBV	96
65) 4-ETHYLTOLUENE	17.213	105	1083157	14.48	PPBV	98
66) 1,3,5-TRIMETHYLBENZENE	17.296	105	1029593	14.04	PPBV	98
67) 1,2,4-TRIMETHYLBENZENE	17.759	105	944148	13.94	PPBV	99
68) m-DICHLOROBENZENE	17.944	146	390820	8.70	PPBV	97
69) BENZYL CHLORIDE	17.923	91	429461	8.88	PPBV	97
70) p-DICHLOROBENZENE	18.017	146	338106	8.07	PPBV	97
71) o-DICHLOROBENZENE	18.405	146	418514	9.80	PPBV	96
72) HEXACHLOROBUTADIENE	20.798	225	172501	11.24	PPBV	98
73) 1,2,4-TRICHLOROBENZENE	20.308	180	67558	7.40	PPBV	97

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

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\
Data File : Q3818.D
Acq On : 27 Jun 2007 12:21 pm
Operator : PhilipB
Sample : IC205-20 (M041)
Misc : MS13820, MSQ205,,,,,1
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Jun 27 13:09:03 2007
Quant Method : C:\msdchem\1\METHODS\Q062507T.m
Quant Title : TO15 by GCMS w/DB-1 60 m X .25 mm ID 1.0 um
QLast Update : Tue Jun 26 08:41:33 2007
Response via : Initial Calibration

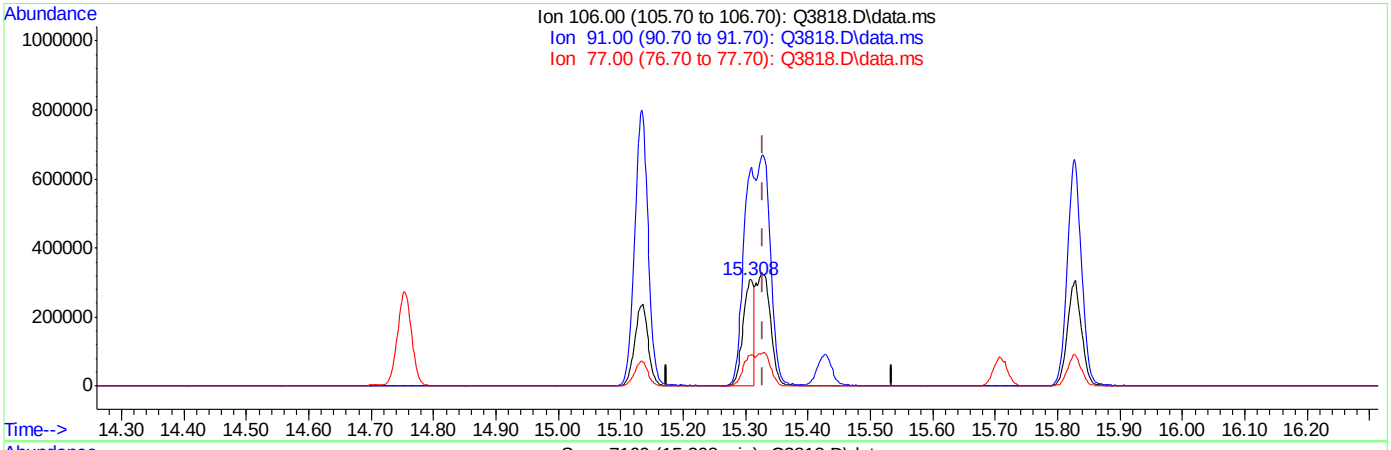


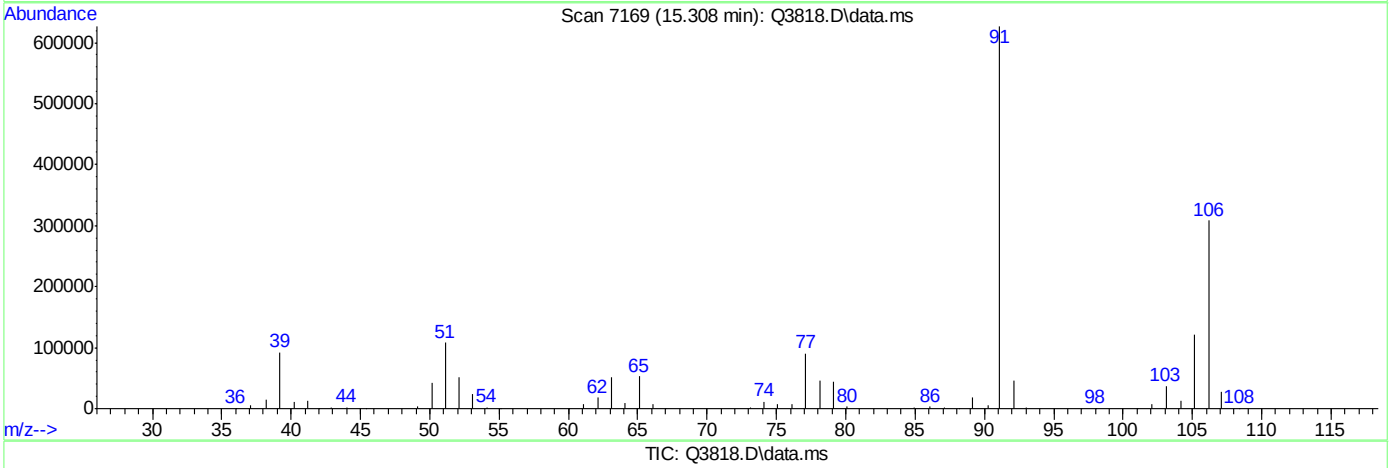
ACCUTEST Laboratories M65795R

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\
Data File : Q3818.D
Acq On : 27 Jun 2007 12:21 pm
Operator : PhilipB
Sample : IC205-20 (M041)
Misc : MS13820, MSQ205,,,,,1
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Jun 27 13:08:28 2007
Quant Method : C:\msdchem\1\METHODS\Q062507T.m
Quant Title : TO15 by GCMS w/DB-1 60 m X .25 mm ID 1.0 um
QLast Update : Tue Jun 26 08:41:33 2007
Response via : Initial Calibration





TIC: Q3818.D\data.ms

(56) m,p-XYLENE (m)

15.308min (-0.021) 12.94PPBV

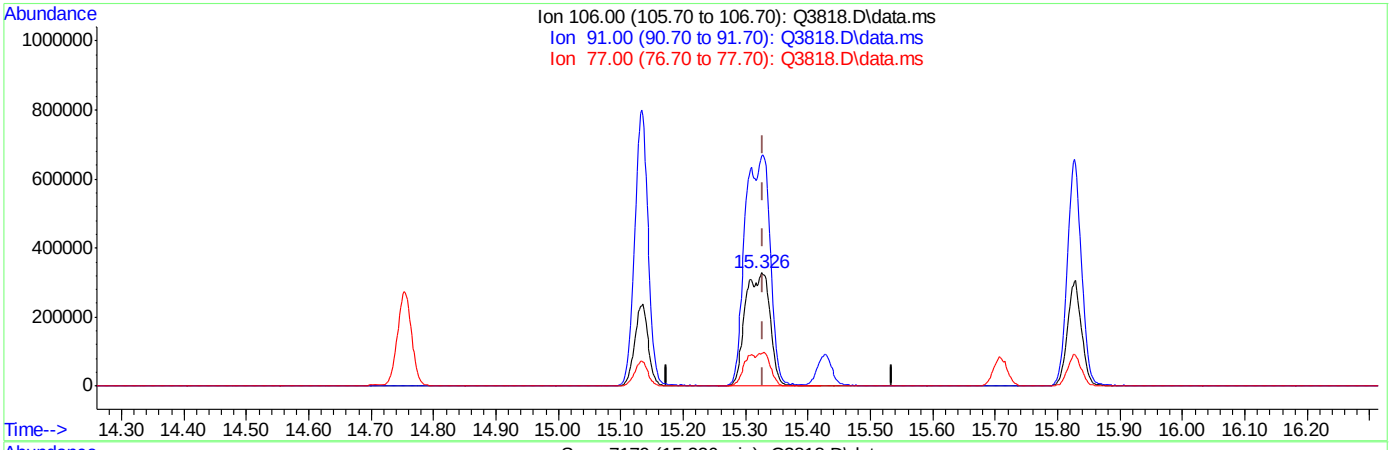
response 376359

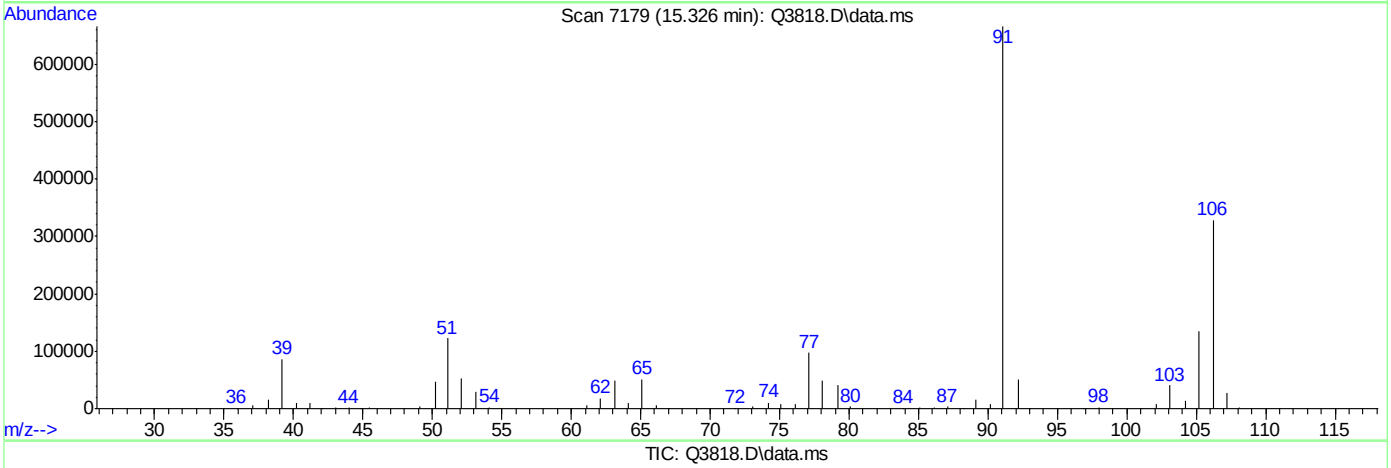
Ion	Exp%	Act%
106.00	100	100
91.00	201.30	203.32
77.00	27.30	29.31
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\
Data File : Q3818.D
Acq On : 27 Jun 2007 12:21 pm
Operator : PhilipB
Sample : IC205-20 (M041)
Misc : MS13820, MSQ205,,,,,1
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Jun 27 13:08:28 2007
Quant Method : C:\msdchem\1\METHODS\Q062507T.m
Quant Title : TO15 by GCMS w/DB-1 60 m X .25 mm ID 1.0 um
QLast Update : Tue Jun 26 08:41:33 2007
Response via : Initial Calibration





TIC: Q3818.D\data.ms

(56) m,p-XYLENE (m)

15.326min (-0.003) 31.38PPBV m

response 912782

Ion	Exp%	Act%
106.00	100	100
91.00	201.30	202.41
77.00	27.30	29.47
0.00	0.00	0.00

Manual Integrations APPROVED (compounds with "m" flag)
Doug Yargeau
06/28/07 14:05

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\
Data File : Q3819.D
Acq On : 27 Jun 2007 1:10 pm
Operator : PhilipB
Sample : IC205-10 (M041)
Misc : MS13820, MSQ205,,,,,1
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Jun 27 13:50:07 2007
Quant Method : C:\msdchem\1\METHODS\Q062507T.m
Quant Title : TO15 by GCMS w/DB-1 60 m X .25 mm ID 1.0 um
QLast Update : Wed Jun 27 13:10:02 2007
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) BROMOCHLOROMETHANE	8.628	128	151304	10.00	PPBV	0.00
35) 1,4-DIFLUOROBENZENE	10.456	114	722387	10.00	PPBV	-0.01
49) CHLOROBENZENE-D5	14.707	117	615880	10.00	PPBV	0.00

System Monitoring Compounds

61) 4-BROMOFLUOROBENZENE	16.327	95	250797	4.88	PPBV	0.00

Spiked Amount 5.000 Range 57 - 139 Recovery = 97.60%

Target Compounds						Qvalue
2) DICHLORODIFLUOROMETHANE	4.031	85	600898	9.33	PPBV	97
3) PROPYLENE	3.960	41	221713	12.26	PPBV	97
4) FREON 114	4.290	85	555646	9.87	PPBV	90
5) CHLOROMETHANE	4.195	50	286894	11.59	PPBV	96
6) VINYL CHLORIDE	4.411	62	244088	10.98	PPBV	98
7) 1,3-BUTADIENE	4.550	39	209039	10.57	PPBV	90
8) BROMOMETHANE	4.826	94	186984	10.44	PPBV	99
9) CHLOROETHANE	5.002	64	102476	10.66	PPBV	95
10) TRICHLOROFLUOROMETHANE	5.779	101	533691	9.46	PPBV	100
11) ISOPROPYL ALCOHOL	5.811	45	426052	10.51	PPBV	99
12) ACETONE	5.588	43	340471	10.27	PPBV	97
13) PENTANE	6.138	42	267059	9.72	PPBV	90
14) 1,1-DICHLOROETHYLENE	6.418	96	173890	9.70	PPBV #	77
15) CARBON DISULFIDE	6.850	76	491406	9.56	PPBV	92
16) ETHANOL	5.084	45	81219	11.60	PPBV	96
17) BROMOETHENE	5.361	106	174975	9.80	PPBV	99
18) METHYLENE CHLORIDE	6.528	84	163169	9.99	PPBV	61
19) 3-CHLOROPROPENE	6.651	39	178325	8.96	PPBV	88
20) FREON 113	6.791	151	256138	9.87	PPBV #	79
21) TRANS-1,2-DICHLOROETHY...	7.460	96	162783	9.91	PPBV #	83
22) TERTIARY BUTYL ALCOHOL	6.418	59	476902	10.31	PPBV	92
23) METHYL TERTIARY BUTYL ...	7.702	73	386095	10.17	PPBV	88
24) TETRAHYDROFURAN	9.137	42	227833	9.88	PPBV	99
25) HEXANE	8.660	57	358446	9.59	PPBV	98
26) VINYL ACETATE	7.778	43	407862	9.63	PPBV	95
27) 1,1-DICHLOROETHANE	7.654	63	378707	9.02	PPBV	98
28) METHYL ETHYL KETONE	8.025	43	424844	10.09	PPBV	98
29) cis-1,2-DICHLOROETHYLENE	8.465	96	157504	9.03	PPBV	96
30) ETHYL ACETATE	8.655	43	737616	9.99	PPBV	99
31) CHLOROFORM	8.747	83	370620	9.14	PPBV	97
32) 1,1,1-TRICHLOROETHANE	9.705	97	329851	8.69	PPBV	94
33) CARBON TETRACHLORIDE	10.286	117	371814	8.80	PPBV	98
34) 1,2-DICHLOROETHANE	9.457	62	232067	8.52	PPBV	99
36) BENZENE	10.144	78	408389	8.72	PPBV	99
37) CYCLOHEXANE	10.408	84	199728	10.09	PPBV	95
38) TRICHLOROETHYLENE	11.141	95	218515	9.32	PPBV	93
39) 1,2-DICHLOROPROPANE	10.917	63	198023	9.19	PPBV	91
40) BROMODICHLOROMETHANE	11.100	83	337930	8.64	PPBV	99
41) 2,2,4-TRIMETHYLPENTANE	11.164	57	1097655	9.35	PPBV	97
42) 1,4-DIOXANE	11.136	88	82232	9.99	PPBV #	54
43) HEPTANE	11.402	43	432058	9.55	PPBV	89

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\
Data File : Q3819.D
Acq On : 27 Jun 2007 1:10 pm
Operator : PhilipB
Sample : IC205-10 (M041)
Misc : MS13820, MSQ205,,,,,1
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Jun 27 13:50:07 2007
Quant Method : C:\msdchem\1\METHODS\Q062507T.m
Quant Title : TO15 by GCMS w/DB-1 60 m X .25 mm ID 1.0 um
QLast Update : Wed Jun 27 13:10:02 2007
Response via : Initial Calibration

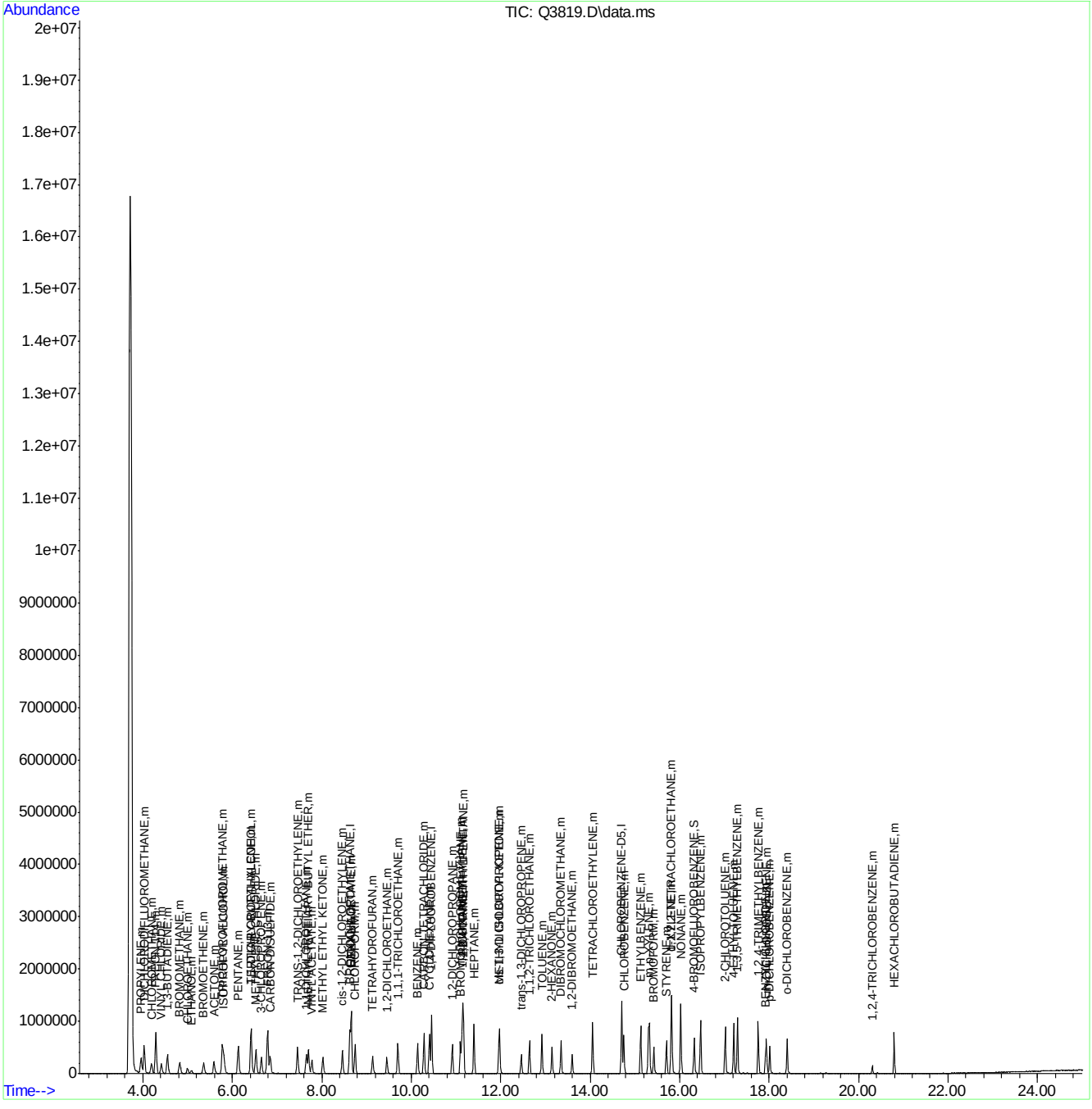
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) METHYL ISOBUTYL KETONE	11.975	43	521046	10.15	PPBV	91
45) cis-1,3-DICHLOROPROPENE	11.961	75	204226	8.81	PPBV	92
46) TOLUENE	12.921	92	262557	9.17	PPBV	100
47) trans-1,3-DICHLOROPROPENE	12.458	75	158880	9.05	PPBV	95
48) 1,1,2-TRICHLOROETHANE	12.644	83	155770	9.33	PPBV	95
50) 2-HEXANONE	13.145	43	386694	9.72	PPBV	93
51) TETRACHLOROETHYLENE	14.059	164	151784	8.80	PPBV	92
52) DIBROMOCHLOROMETHANE	13.351	129	272361	8.17	PPBV	98
53) 1,2-DIBROMOETHANE	13.599	107	226180	9.19	PPBV	100
54) CHLOROBENZENE	14.751	112	316915	9.19	PPBV	98
55) ETHYLBENZENE	15.131	91	578829	9.54	PPBV	100
56) m,p-XYLENE	15.328	106	437850m	19.09	PPBV	
57) o-XYLENE	15.823	106	226116	9.55	PPBV	98
58) STYRENE	15.706	104	258331	9.39	PPBV	99
59) NONANE	16.025	43	577513	9.61	PPBV	91
60) BROMOFORM	15.425	173	198538	8.29	PPBV	99
62) 1,1,2,2-TETRACHLOROETHANE	15.810	83	418026	9.79	PPBV	98
63) ISOPROPYLBENZENE	16.469	105	611348	9.57	PPBV #	100
64) 2-CHLOROTOLUENE	17.021	91	459530	9.55	PPBV	97
65) 4-ETHYLTOLUENE	17.209	105	531331	9.38	PPBV	99
66) 1,3,5-TRIMETHYLBENZENE	17.292	105	498908	9.27	PPBV	99
67) 1,2,4-TRIMETHYLBENZENE	17.757	105	457662	9.21	PPBV	100
68) m-DICHLOROBENZENE	17.942	146	196725	9.26	PPBV	97
69) BENZYL CHLORIDE	17.919	91	195469	8.67	PPBV	98
70) p-DICHLOROBENZENE	18.017	146	166289	9.38	PPBV	99
71) o-DICHLOROBENZENE	18.403	146	205375	9.25	PPBV	98
72) HEXACHLOROBUTADIENE	20.798	225	67614	8.59	PPBV	98
73) 1,2,4-TRICHLOROBENZENE	20.308	180	30033	9.09	PPBV	98

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

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\
Data File : Q3819.D
Acq On : 27 Jun 2007 1:10 pm
Operator : PhilipB
Sample : IC205-10 (M041)
Misc : MS13820, MSQ205,,,,,1
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Jun 27 13:50:07 2007
Quant Method : C:\msdchem\1\METHODS\Q062507T.m
Quant Title : TO15 by GCMS w/DB-1 60 m X .25 mm ID 1.0 um
QLast Update : Wed Jun 27 13:10:02 2007
Response via : Initial Calibration

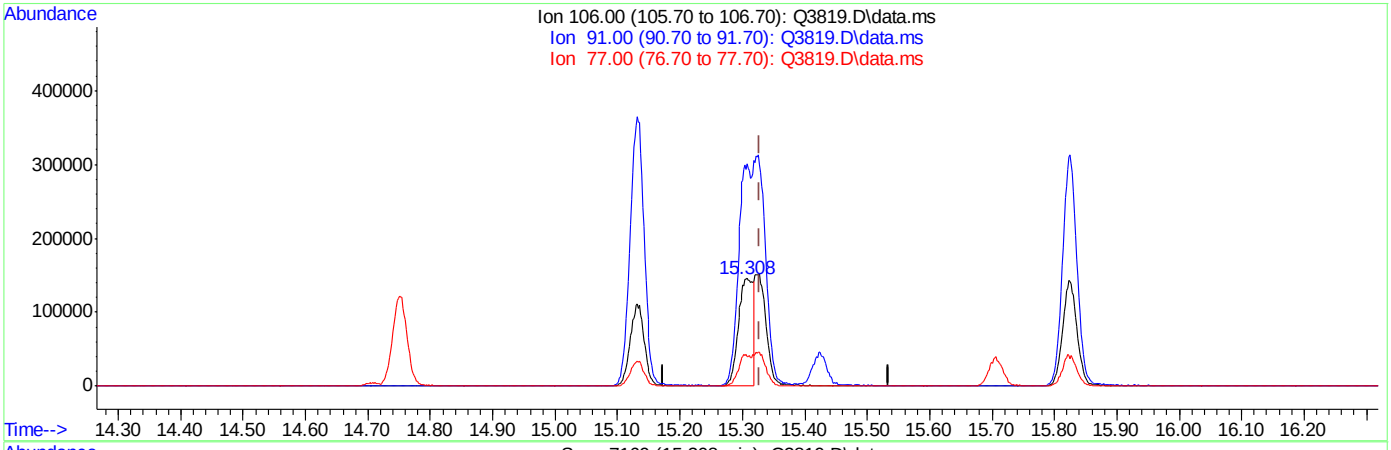


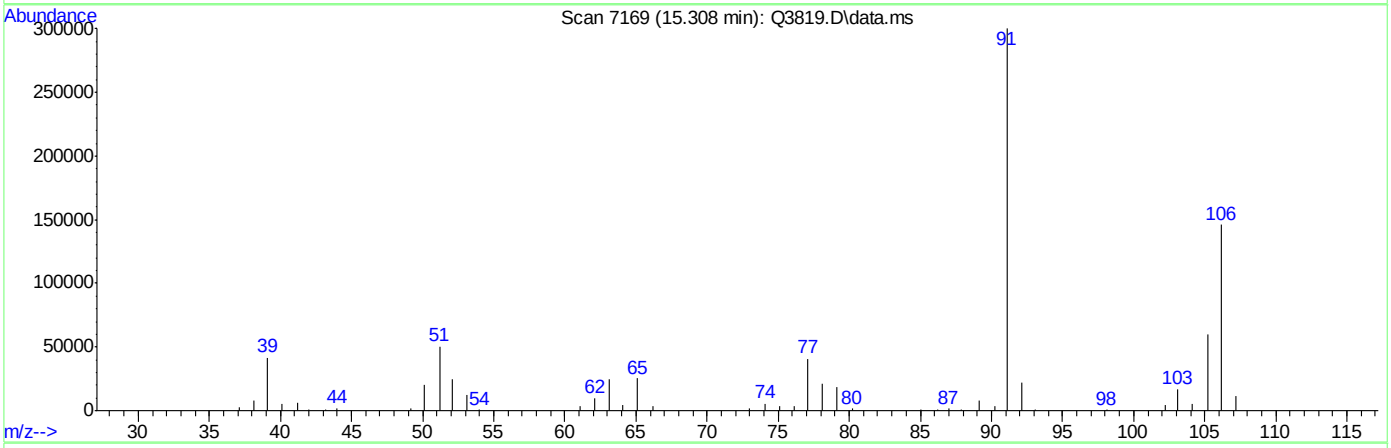
ACCUTEST Laboratories M65795R

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\
Data File : Q3819.D
Acq On : 27 Jun 2007 1:10 pm
Operator : PhilipB
Sample : IC205-10 (M041)
Misc : MS13820, MSQ205,,,,,1
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Jun 27 13:48:27 2007
Quant Method : C:\msdchem\1\METHODS\Q062507T.m
Quant Title : TO15 by GCMS w/DB-1 60 m X .25 mm ID 1.0 um
QLast Update : Wed Jun 27 13:10:02 2007
Response via : Initial Calibration





TIC: Q3819.D\data.ms

(56) m,p-XYLENE (m)

15.308min (-0.021) 10.80PPBV

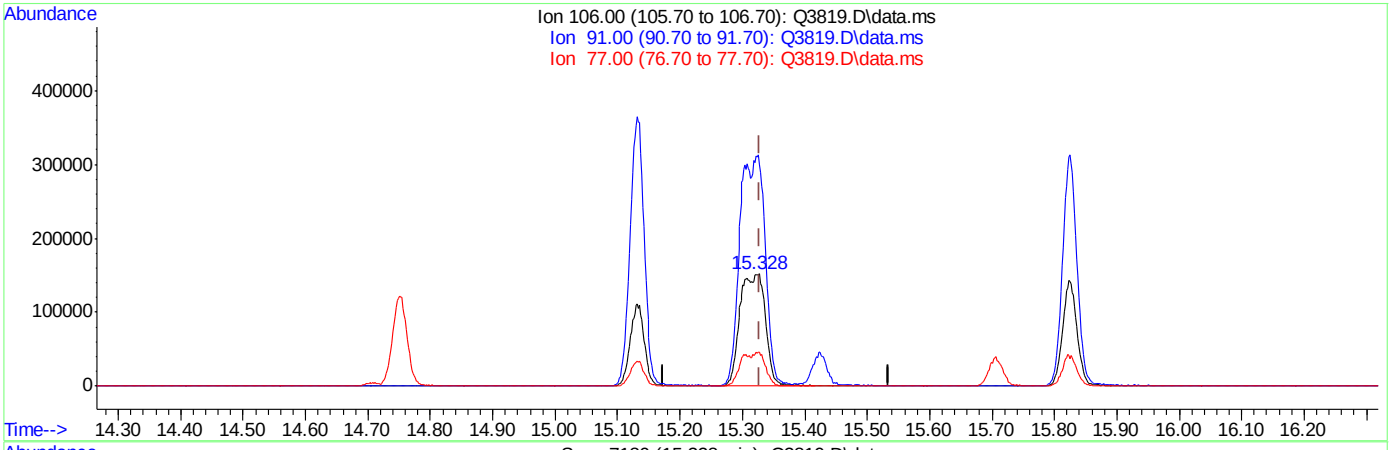
response 247795

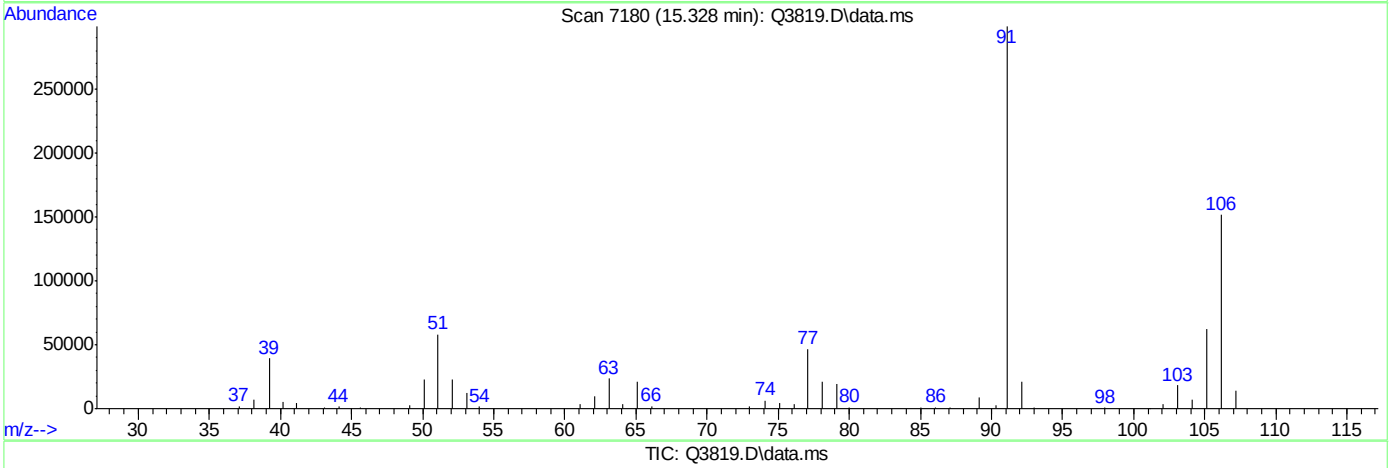
Ion	Exp%	Act%
106.00	100	100
91.00	201.30	205.97
77.00	27.30	27.92
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\
Data File : Q3819.D
Acq On : 27 Jun 2007 1:10 pm
Operator : PhilipB
Sample : IC205-10 (M041)
Misc : MS13820, MSQ205,,,,,1
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Jun 27 13:48:27 2007
Quant Method : C:\msdchem\1\METHODS\Q062507T.m
Quant Title : TO15 by GCMS w/DB-1 60 m X .25 mm ID 1.0 um
QLast Update : Wed Jun 27 13:10:02 2007
Response via : Initial Calibration





TIC: Q3819.D\data.ms

(56) m,p-XYLENE (m)

15.328min (-0.001) 19.09PPBV m

response 437850

Ion	Exp%	Act%
106.00	100	100
91.00	201.30	197.26
77.00	27.30	30.81
0.00	0.00	0.00

Manual Integrations APPROVED (compounds with "m" flag)
Doug Yargeau 06/28/07 14:05

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\
Data File : Q3820.D
Acq On : 27 Jun 2007 2:02 pm
Operator : PhilipB
Sample : IC205-5 (M041)
Misc : MS13820, MSQ205,,,,,1
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Jun 27 15:02:38 2007
Quant Method : C:\msdchem\1\METHODS\Q062507T.m
Quant Title : TO15 by GCMS w/DB-1 60 m X .25 mm ID 1.0 um
QLast Update : Wed Jun 27 13:50:19 2007
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) BROMOCHLOROMETHANE	8.619	128	155097	10.00	PPBV	-0.01
35) 1,4-DIFLUOROBENZENE	10.451	114	746537	10.00	PPBV	-0.02
49) CHLOROBENZENE-D5	14.705	117	628368	10.00	PPBV	0.00

System Monitoring Compounds

61) 4-BROMOFLUOROBENZENE	16.325	95	240818	4.63	PPBV	0.00

Spiked Amount 5.000 Range 57 - 139 Recovery = 92.60%

Target Compounds						Qvalue
2) DICHLORODIFLUOROMETHANE	4.028	85	335794	5.20	PPBV	97
3) PROPYLENE	3.955	41	117173	5.88	PPBV	92
4) FREON 114	4.291	85	301635	5.25	PPBV	89
5) CHLOROMETHANE	4.193	50	161715	6.05	PPBV	92
6) VINYL CHLORIDE	4.408	62	134055	5.70	PPBV	99
7) 1,3-BUTADIENE	4.546	39	110858	5.37	PPBV	89
8) BROMOMETHANE	4.819	94	101555	5.45	PPBV	100
9) CHLOROETHANE	4.990	64	53077	5.27	PPBV	95
10) TRICHLOROFLUOROMETHANE	5.776	101	268084	4.72	PPBV	99
11) ISOPROPYL ALCOHOL	5.813	45	214371	5.07	PPBV	98
12) ACETONE	5.583	43	175518	5.12	PPBV	97
13) PENTANE	6.129	42	136990	4.91	PPBV	90
14) 1,1-DICHLOROETHYLENE	6.408	96	86763	4.77	PPBV #	79
15) CARBON DISULFIDE	6.844	76	253444	4.88	PPBV	90
16) ETHANOL	5.079	45	42308	5.60	PPBV	95
17) BROMOETHENE	5.354	106	89734	4.94	PPBV #	98
18) METHYLENE CHLORIDE	6.523	84	85562	5.11	PPBV	58
19) 3-CHLOROPROPENE	6.642	39	86237	4.38	PPBV	86
20) FREON 113	6.781	151	126965	4.79	PPBV #	77
21) TRANS-1,2-DICHLOROETHY...	7.453	96	81173	4.84	PPBV #	81
22) TERTIARY BUTYL ALCOHOL	6.417	59	230687	4.82	PPBV	89
23) METHYL TERTIARY BUTYL ...	7.695	73	193652	4.95	PPBV	88
24) TETRAHYDROFURAN	9.130	42	116305	4.94	PPBV	97
25) HEXANE	8.649	57	182642	4.83	PPBV	99
26) VINYL ACETATE	7.774	43	213023	4.97	PPBV	94
27) 1,1-DICHLOROETHANE	7.647	63	186685	4.49	PPBV	98
28) METHYL ETHYL KETONE	8.019	43	219424	5.07	PPBV	96
29) cis-1,2-DICHLOROETHYLENE	8.452	96	78518	4.54	PPBV	95
30) ETHYL ACETATE	8.649	43	363352	4.80	PPBV	99
31) CHLOROFORM	8.736	83	189543	4.69	PPBV	97
32) 1,1,1-TRICHLOROETHANE	9.697	97	166614	4.48	PPBV	94
33) CARBON TETRACHLORIDE	10.280	117	187184	4.50	PPBV	99
34) 1,2-DICHLOROETHANE	9.450	62	121118	4.56	PPBV	99
36) BENZENE	10.133	78	216419	4.67	PPBV	98
37) CYCLOHEXANE	10.399	84	101489	4.95	PPBV	95
38) TRICHLOROETHYLENE	11.136	95	103906	4.39	PPBV	94
39) 1,2-DICHLOROPROPANE	10.914	63	104242	4.81	PPBV	91
40) BROMODICHLOROMETHANE	11.099	83	168787	4.37	PPBV	99
41) 2,2,4-TRIMETHYLPENTANE	11.159	57	534325	4.50	PPBV	96
42) 1,4-DIOXANE	11.132	88	39805	4.68	PPBV #	31
43) HEPTANE	11.399	43	209799	4.56	PPBV	90

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\
Data File : Q3820.D
Acq On : 27 Jun 2007 2:02 pm
Operator : PhilipB
Sample : IC205-5 (M041)
Misc : MS13820, MSQ205,,,,,1
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Jun 27 15:02:38 2007
Quant Method : C:\msdchem\1\METHODS\Q062507T.m
Quant Title : TO15 by GCMS w/DB-1 60 m X .25 mm ID 1.0 um
QLast Update : Wed Jun 27 13:50:19 2007
Response via : Initial Calibration

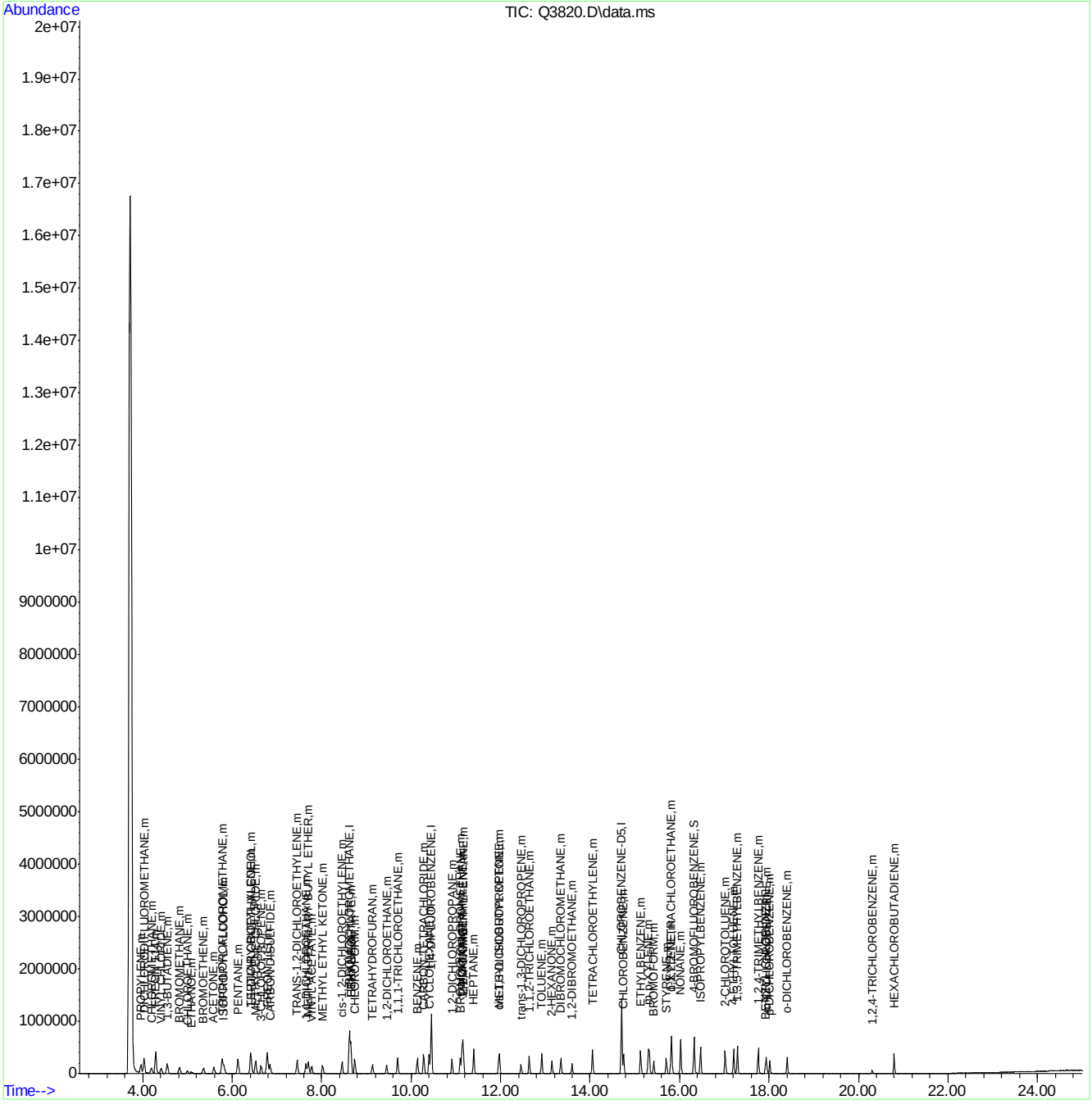
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) METHYL ISOBUTYL KETONE	11.972	43	245634	4.61	PPBV	92
45) cis-1,3-DICHLOROPROPENE	11.954	75	102211	4.44	PPBV	94
46) TOLUENE	12.920	92	134384	4.67	PPBV	99
47) trans-1,3-DICHLOROPROPENE	12.458	75	78043	4.44	PPBV	94
48) 1,1,2-TRICHLOROETHANE	12.639	83	81367	4.82	PPBV	94
50) 2-HEXANONE	13.143	43	180980	4.50	PPBV	93
51) TETRACHLOROETHYLENE	14.052	164	72495	4.29	PPBV	92
52) DIBROMOCHLOROMETHANE	13.345	129	134106	4.20	PPBV	100
53) 1,2-DIBROMOETHANE	13.596	107	115425	4.73	PPBV	99
54) CHLOROBENZENE	14.749	112	162182	4.74	PPBV	96
55) ETHYLBENZENE	15.129	91	285994	4.69	PPBV	99
56) m,p-XYLENE	15.303	106	215041m	9.33	PPBV	
57) o-XYLENE	15.823	106	108448	4.56	PPBV	98
58) STYRENE	15.706	104	125585	4.57	PPBV	97
59) NONANE	16.025	43	278177	4.60	PPBV	91
60) BROMOFORM	15.424	173	89400	3.88	PPBV	98
62) 1,1,2,2-TETRACHLOROETHANE	15.809	83	197003	4.55	PPBV	99
63) ISOPROPYLBENZENE	16.469	105	296186	4.61	PPBV #	100
64) 2-CHLOROTOLUENE	17.021	91	216618	4.48	PPBV	97
65) 4-ETHYLTOLUENE	17.207	105	250595	4.43	PPBV	99
66) 1,3,5-TRIMETHYLBENZENE	17.294	105	240574	4.49	PPBV	98
67) 1,2,4-TRIMETHYLBENZENE	17.759	105	221157	4.48	PPBV	99
68) m-DICHLOROBENZENE	17.942	146	92385	4.37	PPBV	96
69) BENZYL CHLORIDE	17.919	91	86449	3.93	PPBV	96
70) p-DICHLOROBENZENE	18.017	146	80661	4.55	PPBV	92
71) o-DICHLOROBENZENE	18.400	146	99268	4.49	PPBV	99
72) HEXACHLOROBUTADIENE	20.798	225	33969	4.44	PPBV	98
73) 1,2,4-TRICHLOROBENZENE	20.308	180	14060	4.30	PPBV	94

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

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\
Data File : Q3820.D
Acq On : 27 Jun 2007 2:02 pm
Operator : PhilipB
Sample : IC205-5 (M041)
Misc : MS13820, MSQ205,,,,,1
ALS Vial : 1 Sample Multiplier: 1

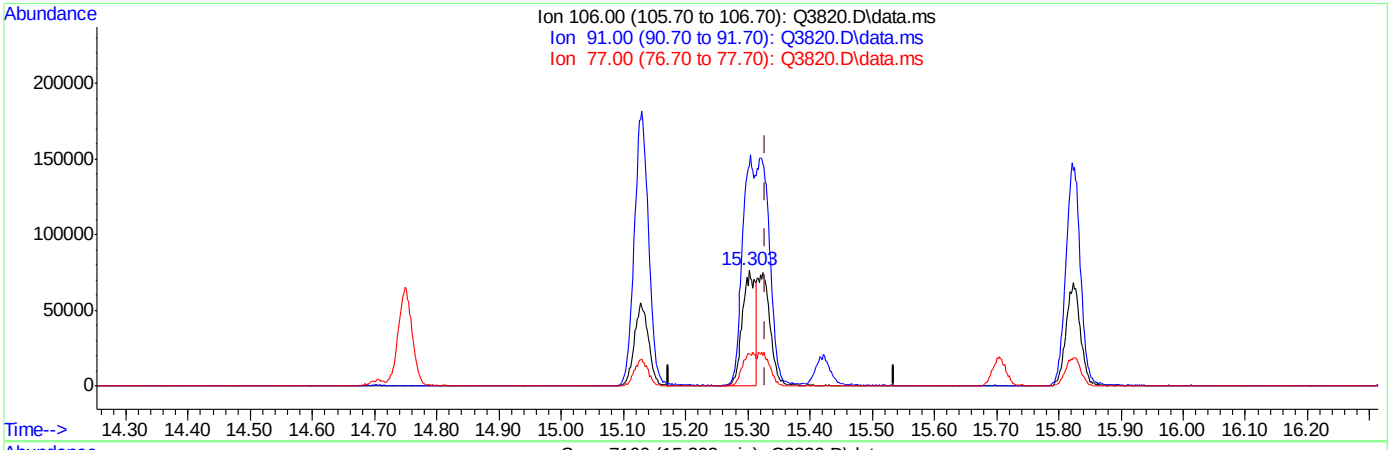
Quant Time: Jun 27 15:02:38 2007
Quant Method : C:\msdchem\1\METHODS\Q062507T.m
Quant Title : TO15 by GCMS w/DB-1 60 m X .25 mm ID 1.0 um
QLast Update : Wed Jun 27 13:50:19 2007
Response via : Initial Calibration

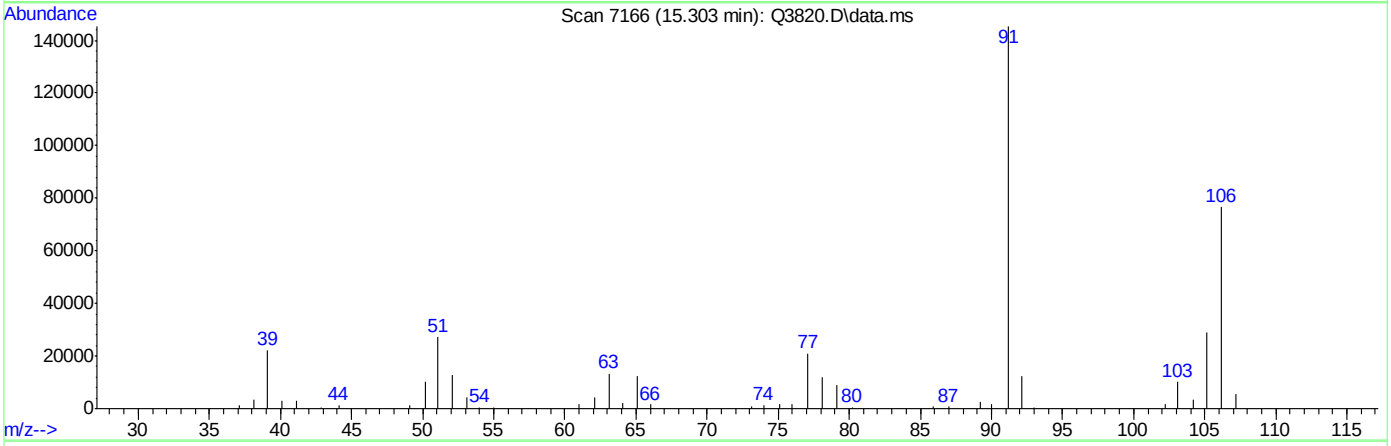


Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\
Data File : Q3820.D
Acq On : 27 Jun 2007 2:02 pm
Operator : PhilipB
Sample : IC205-5 (M041)
Misc : MS13820, MSQ205,,,,,1
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Jun 27 15:02:09 2007
Quant Method : C:\msdchem\1\METHODS\Q062507T.m
Quant Title : TO15 by GCMS w/DB-1 60 m X .25 mm ID 1.0 um
QLast Update : Wed Jun 27 13:50:19 2007
Response via : Initial Calibration





TIC: Q3820.D\data.ms

(56) m,p-XYLENE (m)

15.303min (-0.026) 4.79PPBV

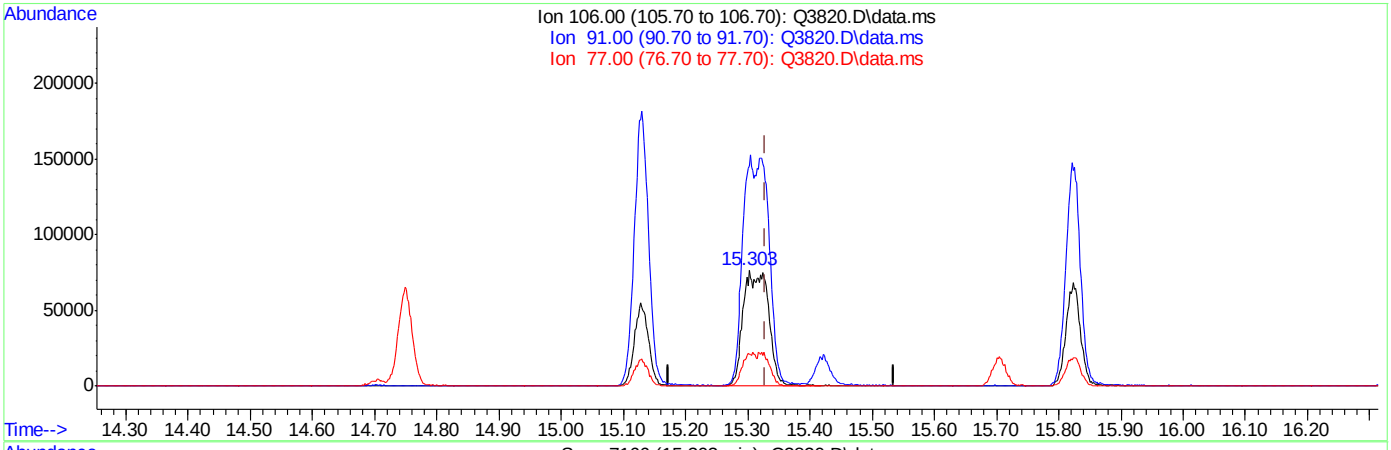
response 110302

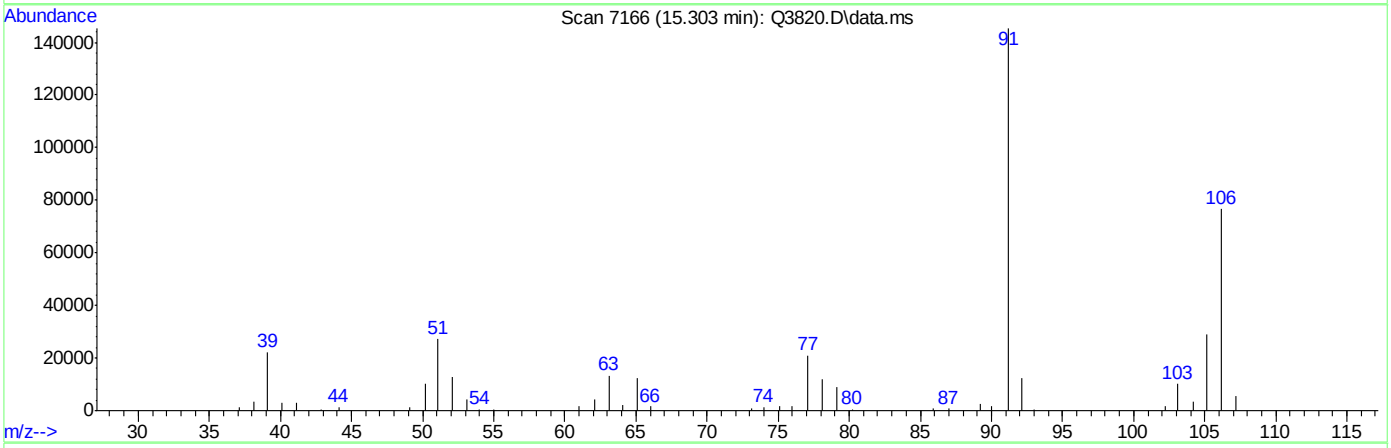
Ion	Exp%	Act%
106.00	100	100
91.00	201.30	189.53
77.00	27.30	27.31
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\
Data File : Q3820.D
Acq On : 27 Jun 2007 2:02 pm
Operator : PhilipB
Sample : IC205-5 (M041)
Misc : MS13820, MSQ205,,,,,1
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Jun 27 15:02:09 2007
Quant Method : C:\msdchem\1\METHODS\Q062507T.m
Quant Title : TO15 by GCMS w/DB-1 60 m X .25 mm ID 1.0 um
QLast Update : Wed Jun 27 13:50:19 2007
Response via : Initial Calibration





TIC: Q3820.D\data.ms

(56) m,p-XYLENE (m)

15.303min (-0.026) 9.33PPBV m

response 215041

Ion	Exp%	Act%
106.00	100	100
91.00	201.30	189.53
77.00	27.30	27.31
0.00	0.00	0.00

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\
Data File : Q3821.D
Acq On : 27 Jun 2007 2:55 pm
Operator : PhilipB
Sample : IC205-2 (M041)
Misc : MS13820, MSQ205,,,,,1
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Jun 27 15:24:39 2007
Quant Method : C:\msdchem\1\METHODS\Q062507T.m
Quant Title : TO15 by GCMS w/DB-1 60 m X .25 mm ID 1.0 um
QLast Update : Wed Jun 27 15:03:05 2007
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) BROMOCHLOROMETHANE	8.608	128	130219	10.00	PPBV	-0.02
35) 1,4-DIFLUOROBENZENE	10.442	114	605152	10.00	PPBV	-0.02
49) CHLOROBENZENE-D5	14.700	117	507923	10.00	PPBV	0.00

System Monitoring Compounds

61) 4-BROMOFLUOROBENZENE	16.320	95	191689	4.65	PPBV	0.00

Spiked Amount 5.000 Range 57 - 139 Recovery = 93.00%

Target Compounds						Qvalue
2) DICHLORODIFLUOROMETHANE	4.028	85	173220	3.16	PPBV	96
3) PROPYLENE	3.955	41	60028	3.44	PPBV	99
4) FREON 114	4.283	85	134489	2.75	PPBV	89
5) CHLOROMETHANE	4.184	50	71474	3.03	PPBV	100
6) VINYL CHLORIDE	4.409	62	60302	2.95	PPBV	99
7) 1,3-BUTADIENE	4.543	39	48765	2.76	PPBV	88
8) BROMOMETHANE	4.818	94	46323	2.90	PPBV	100
9) CHLOROETHANE	4.988	64	21511	2.51	PPBV	91
10) TRICHLOROFLUOROMETHANE	5.760	101	118563	2.52	PPBV	99
11) ISOPROPYL ALCOHOL	5.806	45	94939	2.67	PPBV	99
12) ACETONE	5.577	43	78185	2.70	PPBV	97
13) PENTANE	6.117	42	59836	2.57	PPBV	89
14) 1,1-DICHLOROETHYLENE	6.395	96	37480	2.48	PPBV #	80
15) CARBON DISULFIDE	6.832	76	113714	2.62	PPBV	82
16) ETHANOL	5.078	45	19400	2.97	PPBV	93
17) BROMOETHENE	5.346	106	40430	2.66	PPBV	97
18) METHYLENE CHLORIDE	6.514	84	43576	3.08	PPBV	57
19) 3-CHLOROPROPENE	6.628	39	34001	2.12	PPBV #	84
20) FREON 113	6.773	151	51304	2.33	PPBV #	74
21) TRANS-1,2-DICHLOROETHY...	7.442	96	33085	2.37	PPBV #	83
22) TERTIARY BUTYL ALCOHOL	6.411	59	98790	2.48	PPBV	86
23) METHYL TERTIARY BUTYL ...	7.684	73	79728	2.43	PPBV	84
24) TETRAHYDROFURAN	9.129	42	46169	2.34	PPBV	96
25) HEXANE	8.639	57	75483	2.40	PPBV	99
26) VINYL ACETATE	7.757	43	83002	2.31	PPBV	82
27) 1,1-DICHLOROETHANE	7.631	63	73244	2.15	PPBV	99
28) METHYL ETHYL KETONE	8.016	43	87550	2.40	PPBV	98
29) cis-1,2-DICHLOROETHYLENE	8.445	96	30627	2.16	PPBV	94
30) ETHYL ACETATE	8.639	43	149653	2.38	PPBV #	100
31) CHLOROFORM	8.726	83	76256	2.28	PPBV	96
32) 1,1,1-TRICHLOROETHANE	9.689	97	63390	2.08	PPBV	93
33) CARBON TETRACHLORIDE	10.270	117	74156	2.18	PPBV	98
34) 1,2-DICHLOROETHANE	9.439	62	47831	2.19	PPBV	99
36) BENZENE	10.126	78	83818	2.27	PPBV	98
37) CYCLOHEXANE	10.394	84	42115	2.54	PPBV	95
38) TRICHLOROETHYLENE	11.127	95	43440	2.33	PPBV	93
39) 1,2-DICHLOROPROPANE	10.903	63	39667	2.28	PPBV	92
40) BROMODICHLOROMETHANE	11.090	83	66140	2.18	PPBV	99
41) 2,2,4-TRIMETHYLPENTANE	11.150	57	213238	2.27	PPBV	94
42) 1,4-DIOXANE	11.123	88	16150	2.38	PPBV #	50
43) HEPTANE	11.390	43	81446	2.23	PPBV	91

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\
Data File : Q3821.D
Acq On : 27 Jun 2007 2:55 pm
Operator : PhilipB
Sample : IC205-2 (M041)
Misc : MS13820, MSQ205,,,,,1
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Jun 27 15:24:39 2007
Quant Method : C:\msdchem\1\METHODS\Q062507T.m
Quant Title : TO15 by GCMS w/DB-1 60 m X .25 mm ID 1.0 um
QLast Update : Wed Jun 27 15:03:05 2007
Response via : Initial Calibration

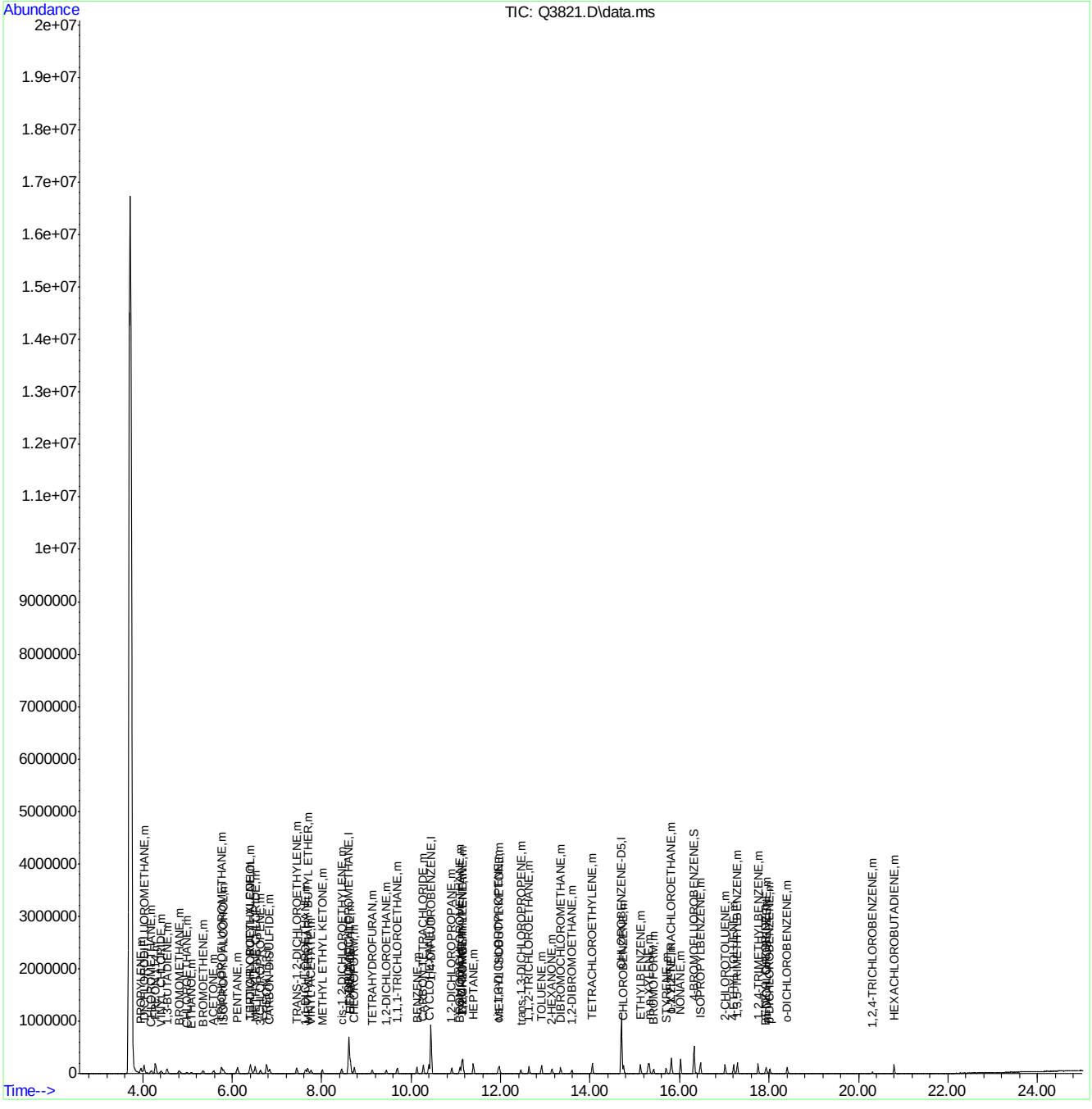
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) METHYL ISOBUTYL KETONE	11.968	43	100390	2.37	PPBV	92
45) cis-1,3-DICHLOROPROPENE	11.945	75	41005	2.26	PPBV	90
46) TOLUENE	12.912	92	54314	2.37	PPBV	100
47) trans-1,3-DICHLOROPROPENE	12.449	75	29064	2.10	PPBV	92
48) 1,1,2-TRICHLOROETHANE	12.632	83	32900	2.43	PPBV	94
50) 2-HEXANONE	13.143	43	72269	2.28	PPBV	92
51) TETRACHLOROETHYLENE	14.050	164	28259	2.15	PPBV	92
52) DIBROMOCHLOROMETHANE	13.340	129	50420	2.03	PPBV	100
53) 1,2-DIBROMOETHANE	13.590	107	45446	2.33	PPBV	100
54) CHLOROBENZENE	14.749	112	66540	2.44	PPBV	97
55) ETHYLBENZENE	15.124	91	112625	2.32	PPBV	98
56) m,p-XYLENE	15.308	106	85449	4.67	PPBV	81
57) o-XYLENE	15.818	106	42201	2.24	PPBV	96
58) STYRENE	15.699	104	45244	2.08	PPBV	98
59) NONANE	16.022	43	108552	2.26	PPBV	91
60) BROMOFORM	15.417	173	31974	1.82	PPBV	97
62) 1,1,2,2-TETRACHLOROETHANE	15.805	83	82183	2.40	PPBV	99
63) ISOPROPYLBENZENE	16.465	105	118197	2.32	PPBV #	100
64) 2-CHLOROTOLUENE	17.017	91	87210	2.29	PPBV	97
65) 4-ETHYLTOLUENE	17.207	105	94792	2.13	PPBV	98
66) 1,3,5-TRIMETHYLBENZENE	17.291	105	93361	2.21	PPBV	98
67) 1,2,4-TRIMETHYLBENZENE	17.757	105	82649	2.13	PPBV	99
68) m-DICHLOROBENZENE	17.940	146	35987	2.17	PPBV	94
69) BENZYL CHLORIDE	17.915	91	29253	1.74	PPBV	95
70) p-DICHLOROBENZENE	18.013	146	30669	2.19	PPBV	96
71) o-DICHLOROBENZENE	18.402	146	39156	2.25	PPBV	97
72) HEXACHLOROBUTADIENE	20.798	225	14078	2.34	PPBV	97
73) 1,2,4-TRICHLOROBENZENE	20.304	180	5382	2.11	PPBV	98

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

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\
Data File : Q3821.D
Acq On : 27 Jun 2007 2:55 pm
Operator : PhilipB
Sample : IC205-2 (M041)
Misc : MS13820, MSQ205,,,,,1
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Jun 27 15:24:39 2007
Quant Method : C:\msdchem\1\METHODS\Q062507T.m
Quant Title : TO15 by GCMS w/DB-1 60 m X .25 mm ID 1.0 um
QLast Update : Wed Jun 27 15:03:05 2007
Response via : Initial Calibration



Manual Integrations APPROVED (compounds with "m" flag)
Doug Yargeau 06/28/07 14:05

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\
Data File : Q3822.D
Acq On : 27 Jun 2007 3:52 pm
Operator : PhilipB
Sample : IC205-.5 (M087)
Misc : MS13820, MSQ205,,,,,1
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Jun 27 16:20:03 2007
Quant Method : C:\msdchem\1\METHODS\Q062507T.m
Quant Title : TO15 by GCMS w/DB-1 60 m X .25 mm ID 1.0 um
QLast Update : Wed Jun 27 15:26:30 2007
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) BROMOCHLOROMETHANE	8.603	128	142407	10.00	PPBV	-0.03
35) 1,4-DIFLUOROBENZENE	10.435	114	633957	10.00	PPBV	-0.03
49) CHLOROBENZENE-D5	14.700	117	524787	10.00	PPBV	0.00

System Monitoring Compounds

61) 4-BROMOFLUOROBENZENE	16.322	95	188660	4.49	PPBV	0.00

Spiked Amount 5.000 Range 57 - 139 Recovery = 89.80%

Target Compounds						Qvalue
2) DICHLORODIFLUOROMETHANE	4.026	85	32628	0.49	PPBV	96
3) PROPYLENE	3.957	41	11673	0.53	PPBV	92
4) FREON 114	4.283	85	29730	0.52	PPBV	88
5) CHLOROMETHANE	4.195	50	14512	0.51	PPBV	95
6) VINYL CHLORIDE	4.404	62	11929	0.49	PPBV	96
7) 1,3-BUTADIENE	4.544	39	11285m	0.54	PPBV	
8) BROMOMETHANE	4.812	94	9956	0.52	PPBV #	51
9) CHLOROETHANE	4.977	64	4976m	0.51	PPBV	
10) TRICHLOROFLUOROMETHANE	5.757	101	26506m	0.49	PPBV	
11) ISOPROPYL ALCOHOL	5.810	45	25663	0.62	PPBV	95
12) ACETONE	5.579	43	24802	0.73	PPBV	70
13) PENTANE	6.108	42	14926	0.55	PPBV	83
14) 1,1-DICHLOROETHYLENE	6.397	96	8374	0.48	PPBV #	80
15) CARBON DISULFIDE	6.821	76	24154	0.48	PPBV	96
16) ETHANOL	5.075	45	5498	0.70	PPBV	80
17) BROMOETHENE	5.339	106	8589	0.48	PPBV	93
18) METHYLENE CHLORIDE	6.502	84	23315	1.36	PPBV	58
19) 3-CHLOROPROPENE	6.623	39	9152	0.52	PPBV	84
20) FREON 113	6.761	151	12522	0.50	PPBV #	73
21) TRANS-1,2-DICHLOROETHY...	7.432	96	7466	0.47	PPBV #	82
22) TERTIARY BUTYL ALCOHOL	6.420	59	20748	0.45	PPBV	84
23) METHYL TERTIARY BUTYL ...	7.689	73	16843	0.45	PPBV	87
24) TETRAHYDROFURAN	9.134	42	9275	0.42	PPBV	86
25) HEXANE	8.635	57	21481	0.60	PPBV	95
26) VINYL ACETATE	7.748	43	18244	0.45	PPBV #	83
27) 1,1-DICHLOROETHANE	7.629	63	18305	0.48	PPBV	94
28) METHYL ETHYL KETONE	8.012	43	19078	0.46	PPBV	97
29) cis-1,2-DICHLOROETHYLENE	8.436	96	7139	0.45	PPBV	96
30) ETHYL ACETATE	8.637	43	33022	0.46	PPBV #	96
31) CHLOROFORM	8.722	83	21964	0.59	PPBV	91
32) 1,1,1-TRICHLOROETHANE	9.684	97	15850m	0.47	PPBV	
33) CARBON TETRACHLORIDE	10.268	117	16519	0.44	PPBV	98
34) 1,2-DICHLOROETHANE	9.436	62	10216	0.42	PPBV	96
36) BENZENE	10.121	78	19114	0.48	PPBV	97
37) CYCLOHEXANE	10.387	84	9343	0.51	PPBV	94
38) TRICHLOROETHYLENE	11.127	95	9182	0.46	PPBV	93
39) 1,2-DICHLOROPROPANE	10.900	63	9521	0.51	PPBV	76
40) BROMODICHLOROMETHANE	11.083	83	14549	0.45	PPBV	100
41) 2,2,4-TRIMETHYLPENTANE	11.147	57	47780	0.47	PPBV	91
42) 1,4-DIOXANE	11.141	88	3035	0.41	PPBV #	1
43) HEPTANE	11.384	43	17987	0.46	PPBV	92

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\
Data File : Q3822.D
Acq On : 27 Jun 2007 3:52 pm
Operator : PhilipB
Sample : IC205-.5 (M087)
Misc : MS13820, MSQ205,,,,,1
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Jun 27 16:20:03 2007
Quant Method : C:\msdchem\1\METHODS\Q062507T.m
Quant Title : TO15 by GCMS w/DB-1 60 m X .25 mm ID 1.0 um
QLast Update : Wed Jun 27 15:26:30 2007
Response via : Initial Calibration

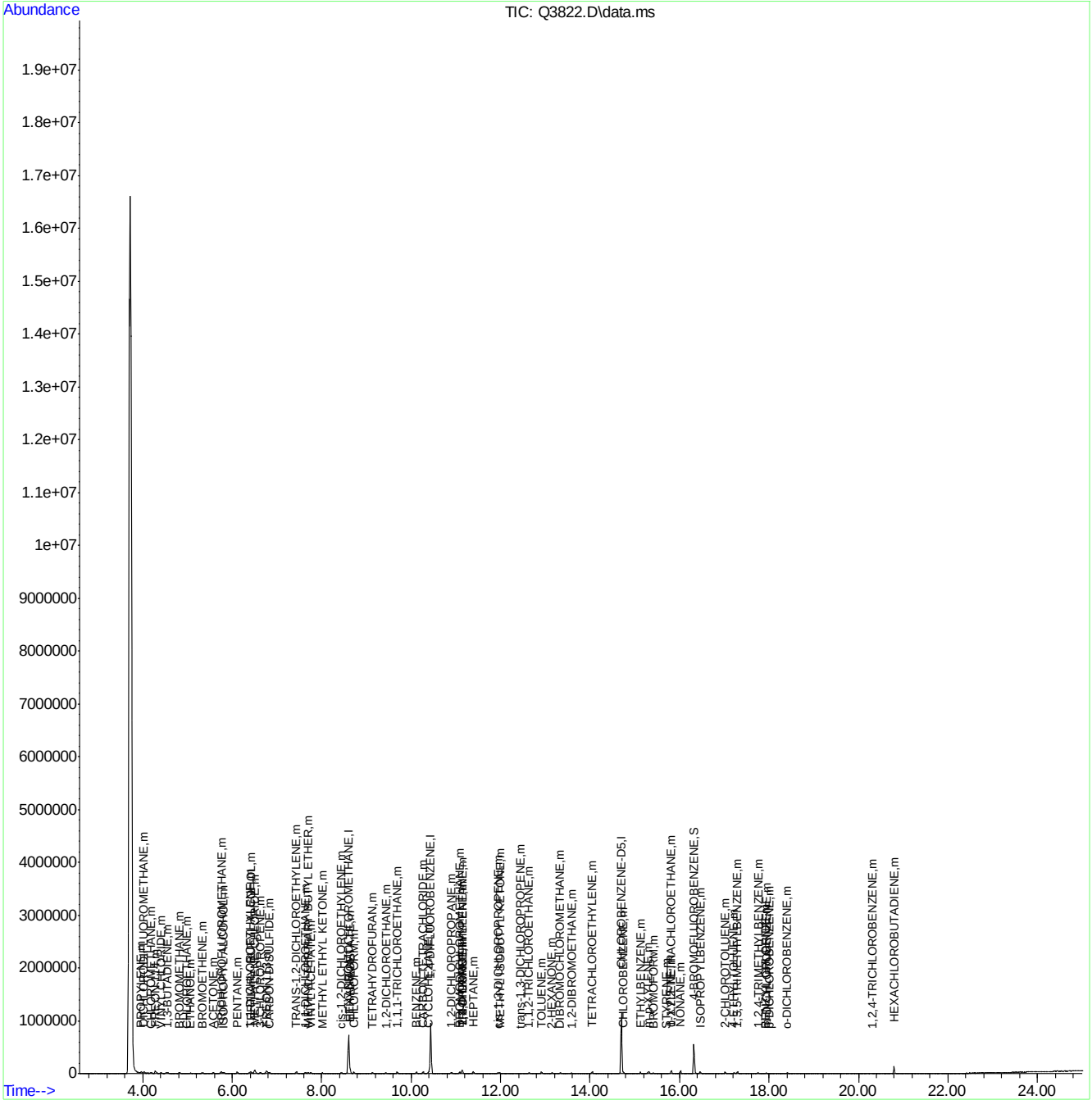
Internal Standards	R.T.	QIon	Response	Conc	Units		Dev(Min)
44) METHYL ISOBUTYL KETONE	11.970	43	18843	0.41	PPBV		85
45) cis-1,3-DICHLOROPROPENE	11.943	75	6653	0.34	PPBV	#	72
46) TOLUENE	12.909	92	11132	0.45	PPBV		97
47) trans-1,3-DICHLOROPROPENE	12.449	75	3288	0.22	PPBV		81
48) 1,1,2-TRICHLOROETHANE	12.630	83	6590	0.45	PPBV		95
50) 2-HEXANONE	13.148	43	10275m	0.31	PPBV		
51) TETRACHLOROETHYLENE	14.048	164	6360	0.46	PPBV		92
52) DIBROMOCHLOROMETHANE	13.331	129	9359	0.36	PPBV		93
53) 1,2-DIBROMOETHANE	13.587	107	7107	0.34	PPBV	#	97
54) CHLOROBENZENE	14.746	112	9893	0.34	PPBV		94
55) ETHYLBENZENE	15.126	91	18113	0.35	PPBV		97
56) m,p-XYLENE	15.299	106	12713m	0.65	PPBV		
57) o-XYLENE	15.818	106	7419	0.37	PPBV		97
58) STYRENE	15.701	104	3362	0.15	PPBV	#	73
59) NONANE	16.020	43	20157	0.40	PPBV		91
60) BROMOFORM	15.411	173	5518	0.31	PPBV	#	95
62) 1,1,2,2-TETRACHLOROETHANE	15.807	83	18281	0.50	PPBV		98
63) ISOPROPYLBENZENE	16.469	105	22651	0.42	PPBV	#	100
64) 2-CHLOROTOLUENE	17.014	91	13989	0.35	PPBV		96
65) 4-ETHYLTOLUENE	17.206	105	12652m	0.27	PPBV		
66) 1,3,5-TRIMETHYLBENZENE	17.291	105	16820	0.38	PPBV		98
67) 1,2,4-TRIMETHYLBENZENE	17.754	105	12099	0.30	PPBV		93
68) m-DICHLOROBENZENE	17.944	146	2840	0.16	PPBV		93
69) BENZYL CHLORIDE	17.921	91	1687	0.10	PPBV	#	65
70) p-DICHLOROBENZENE	18.008	146	1857	0.13	PPBV		85
71) o-DICHLOROBENZENE	18.400	146	4544	0.25	PPBV		94
72) HEXACHLOROBUTADIENE	20.796	225	10797	1.68	PPBV		99
73) 1,2,4-TRICHLOROBENZENE	20.308	180	470m	0.18	PPBV		

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

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\
Data File : Q3822.D
Acq On : 27 Jun 2007 3:52 pm
Operator : PhilipB
Sample : IC205-.5 (M087)
Misc : MS13820, MSQ205,,,,,1
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Jun 27 16:20:03 2007
Quant Method : C:\msdchem\1\METHODS\Q062507T.m
Quant Title : TO15 by GCMS w/DB-1 60 m X .25 mm ID 1.0 um
QLast Update : Wed Jun 27 15:26:30 2007
Response via : Initial Calibration

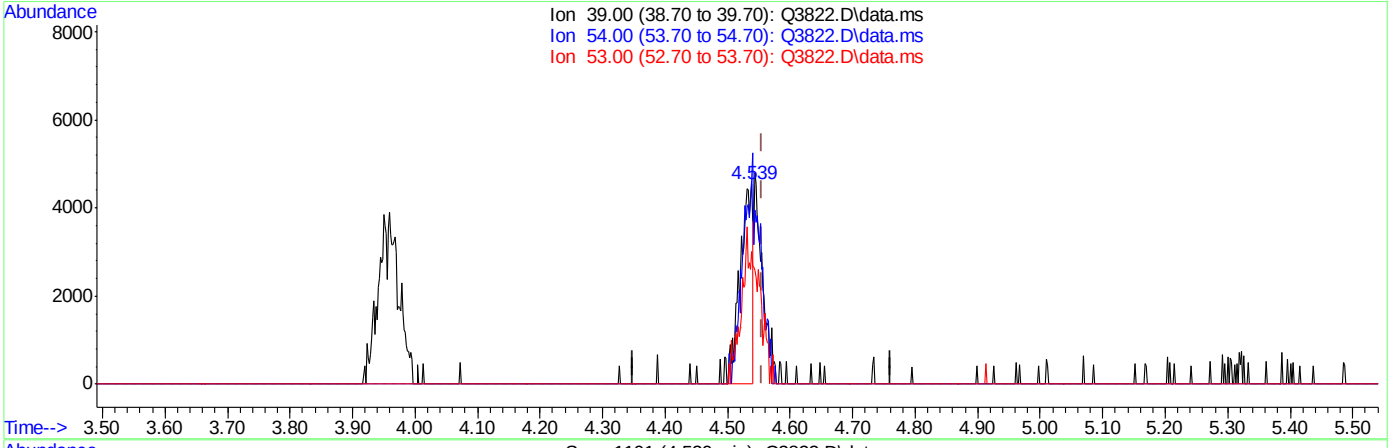


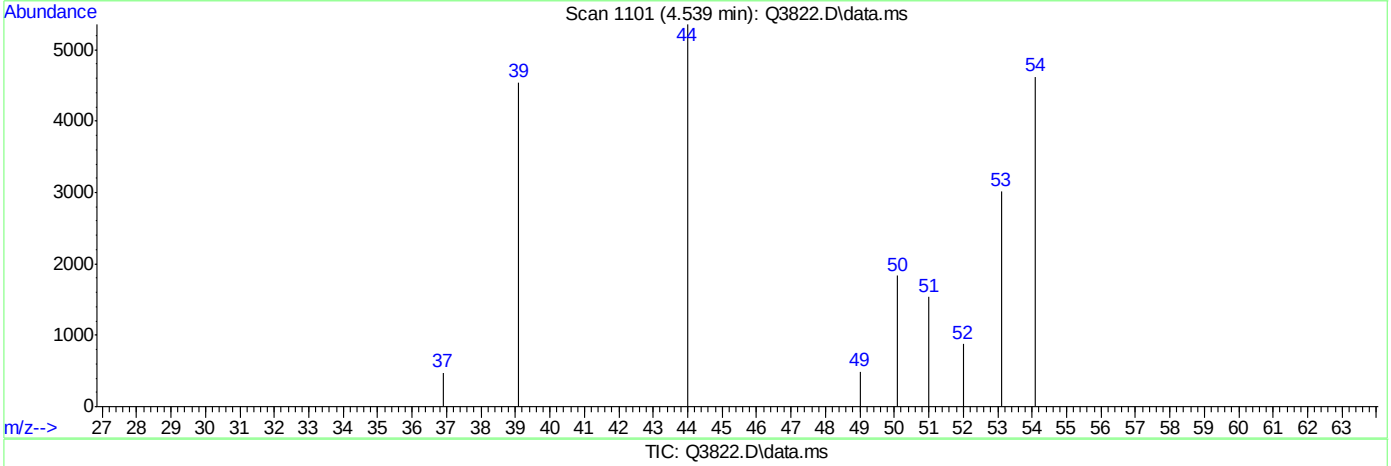
ACCUTEST Laboratories M65795R

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\
Data File : Q3822.D
Acq On : 27 Jun 2007 3:52 pm
Operator : PhilipB
Sample : IC205-.5 (M087)
Misc : MS13820, MSQ205,,,,,1
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Jun 27 16:18:39 2007
Quant Method : C:\msdchem\1\METHODS\Q062507T.m
Quant Title : TO15 by GCMS w/DB-1 60 m X .25 mm ID 1.0 um
QLast Update : Wed Jun 27 15:26:30 2007
Response via : Initial Calibration





TIC: Q3822.D\data.ms

(7) 1,3-BUTADIENE (m)

4.539min (-0.017) 0.31PPBV

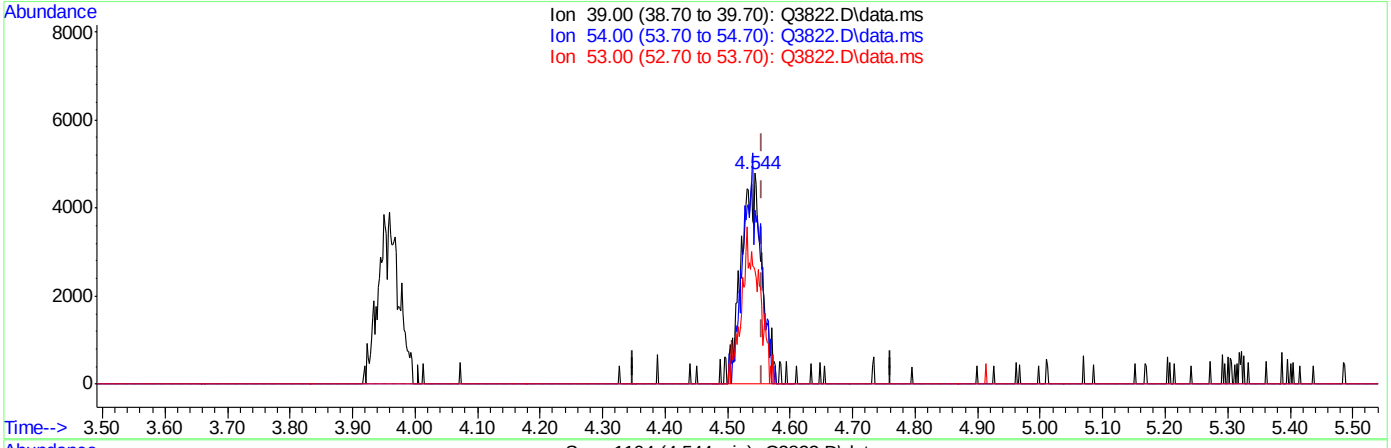
response 6500

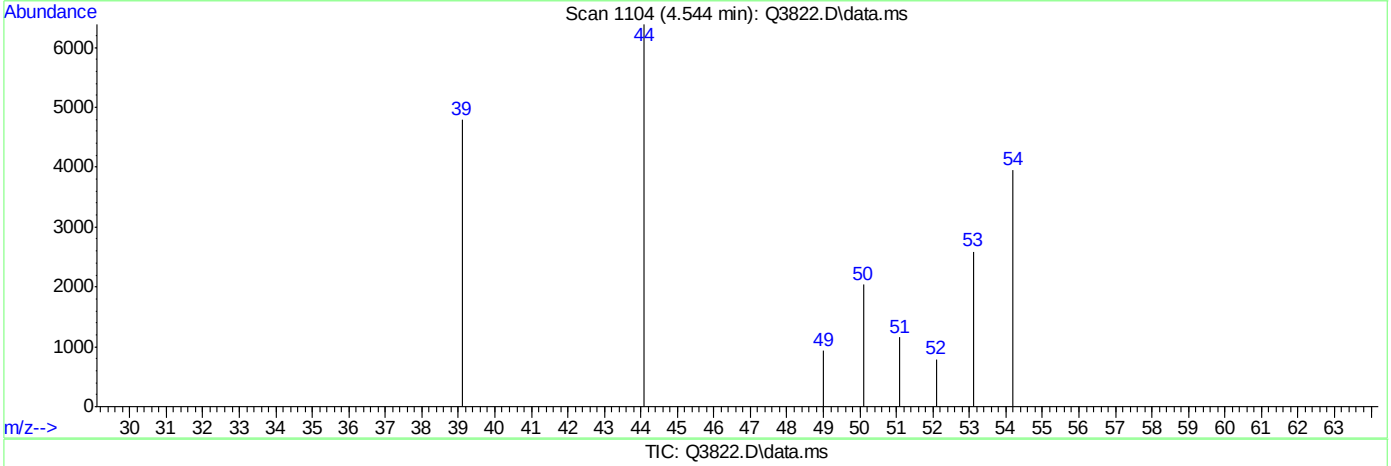
Ion	Exp%	Act%
39.00	100	100
54.00	111.20	155.48#
53.00	75.80	107.11#
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\
Data File : Q3822.D
Acq On : 27 Jun 2007 3:52 pm
Operator : PhilipB
Sample : IC205-.5 (M087)
Misc : MS13820, MSQ205,,,,,1
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Jun 27 16:18:39 2007
Quant Method : C:\msdchem\1\METHODS\Q062507T.m
Quant Title : TO15 by GCMS w/DB-1 60 m X .25 mm ID 1.0 um
QLast Update : Wed Jun 27 15:26:30 2007
Response via : Initial Calibration





TIC: Q3822.D\data.ms

(7) 1,3-BUTADIENE (m)

4.544min (-0.012) 0.54PPBV m

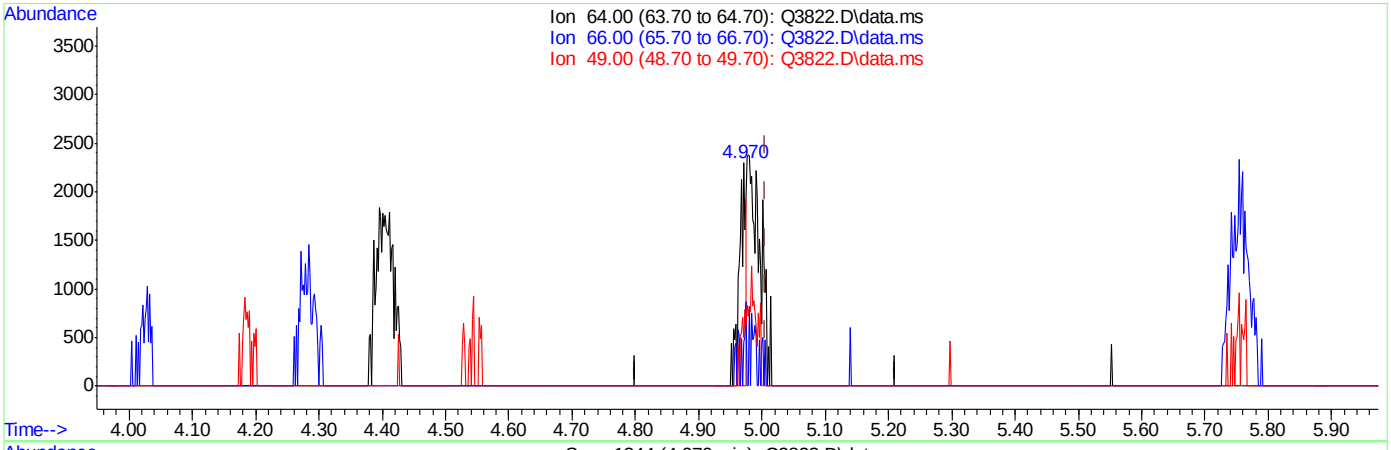
response 11285

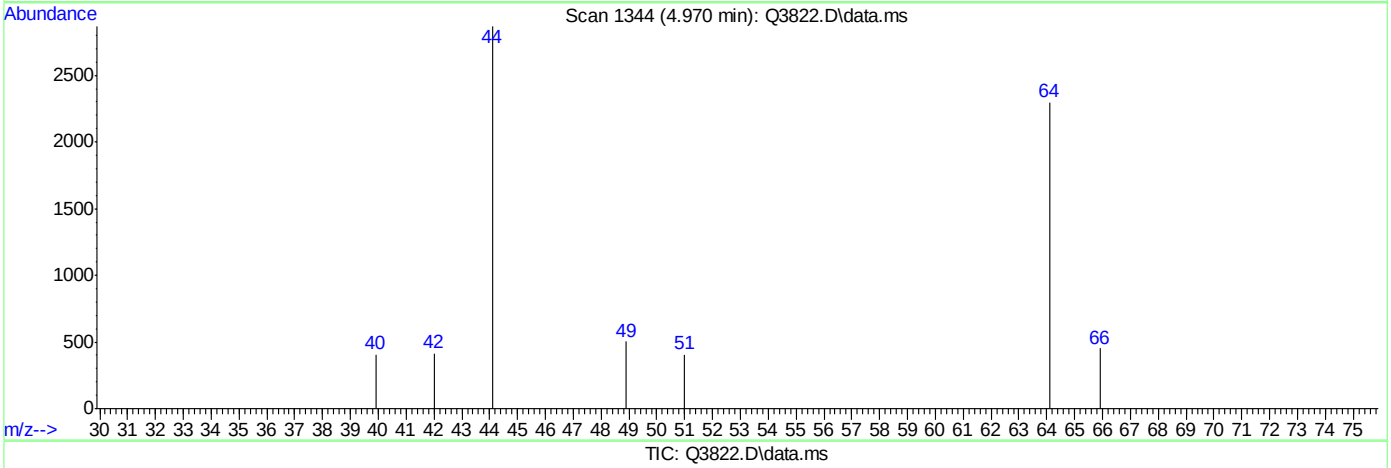
Ion	Exp%	Act%
39.00	100	100
54.00	111.20	89.55#
53.00	75.80	61.69
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\
Data File : Q3822.D
Acq On : 27 Jun 2007 3:52 pm
Operator : PhilipB
Sample : IC205-.5 (M087)
Misc : MS13820, MSQ205,,,,,1
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Jun 27 16:18:39 2007
Quant Method : C:\msdchem\1\METHODS\Q062507T.m
Quant Title : TO15 by GCMS w/DB-1 60 m X .25 mm ID 1.0 um
QLast Update : Wed Jun 27 15:26:30 2007
Response via : Initial Calibration





TIC: Q3822.D\data.ms

(9) CHLOROETHANE (m)

4.970min (-0.035) 0.16PPBV

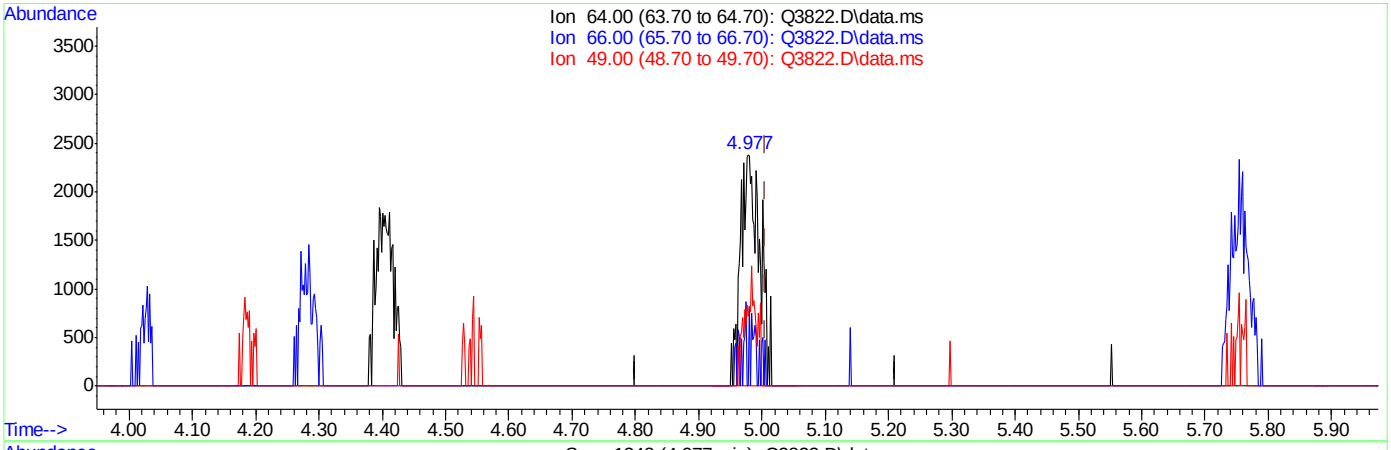
response 1622

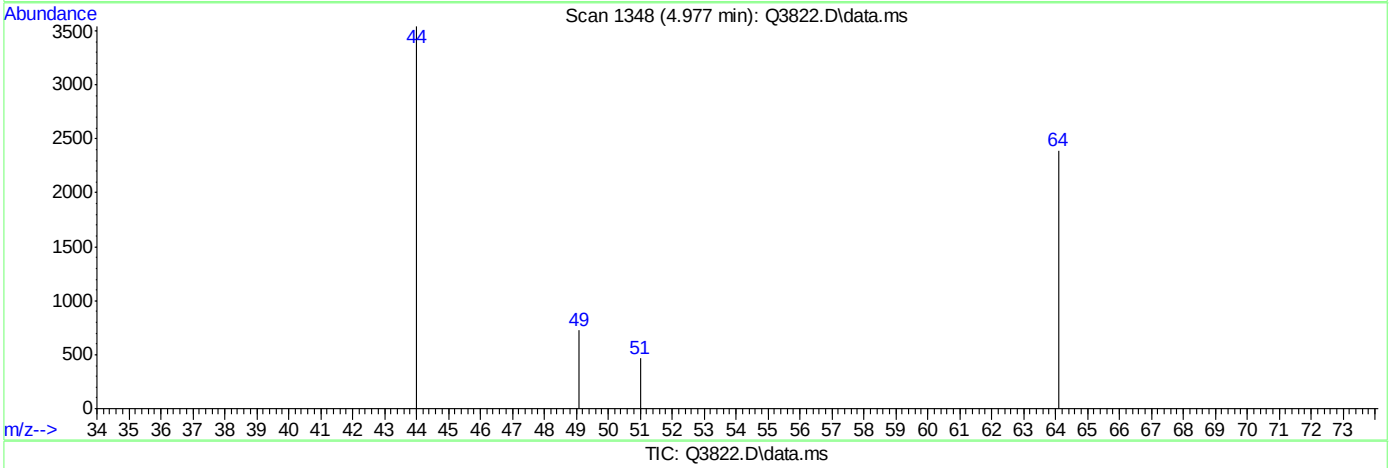
Ion	Exp%	Act%
64.00	100	100
66.00	29.70	33.42
49.00	36.50	0.00#
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\
Data File : Q3822.D
Acq On : 27 Jun 2007 3:52 pm
Operator : PhilipB
Sample : IC205-.5 (M087)
Misc : MS13820, MSQ205,,,,,1
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Jun 27 16:18:39 2007
Quant Method : C:\msdchem\1\METHODS\Q062507T.m
Quant Title : TO15 by GCMS w/DB-1 60 m X .25 mm ID 1.0 um
QLast Update : Wed Jun 27 15:26:30 2007
Response via : Initial Calibration





TIC: Q3822.D\data.ms

(9) CHLOROETHANE (m)

4.977min (-0.028) 0.51PPBV m

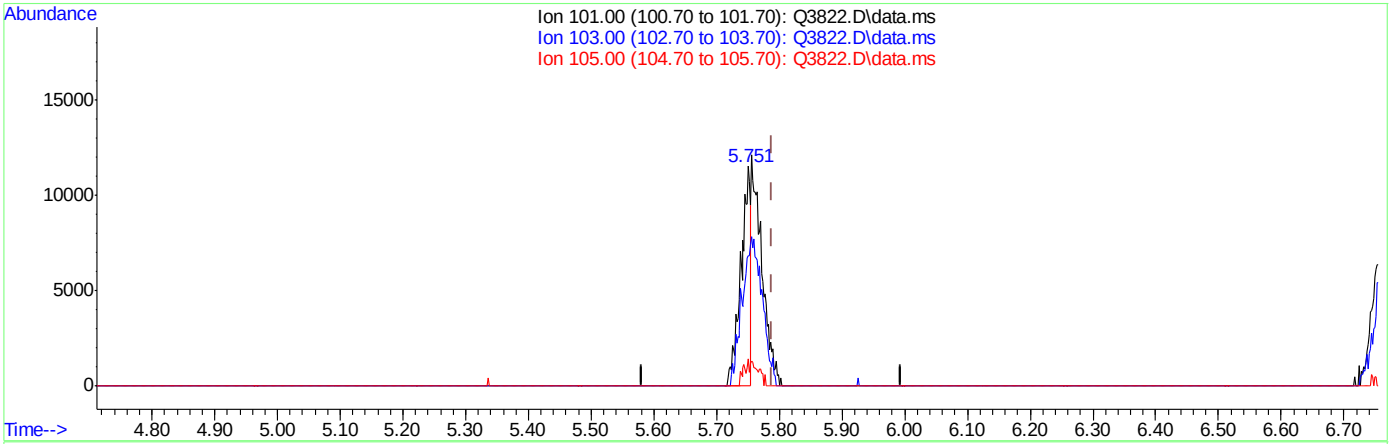
response 4976

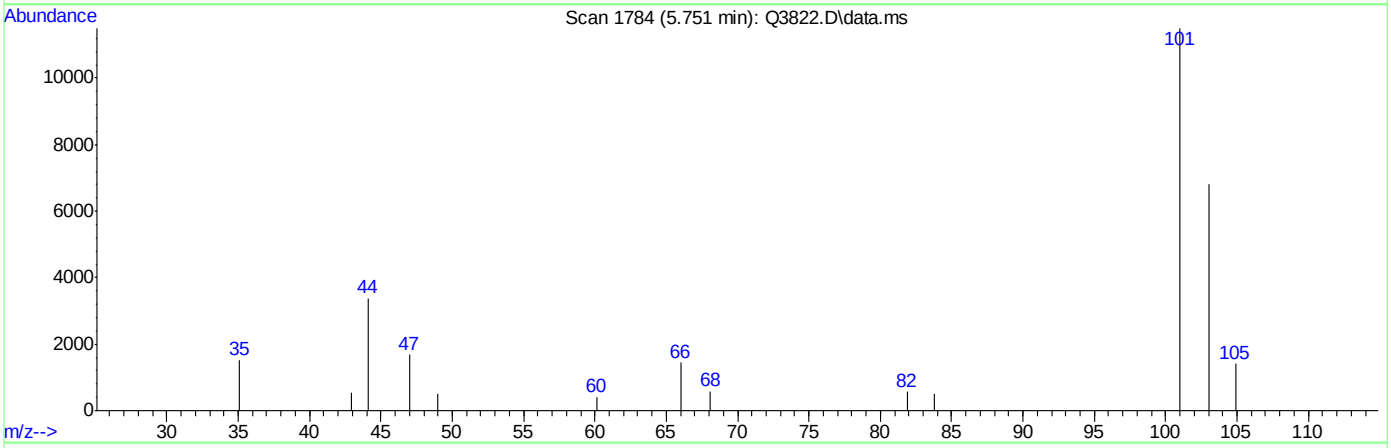
Ion	Exp%	Act%
64.00	100	100
66.00	29.70	10.89
49.00	36.50	0.00#
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\
Data File : Q3822.D
Acq On : 27 Jun 2007 3:52 pm
Operator : PhilipB
Sample : IC205-.5 (M087)
Misc : MS13820, MSQ205,,,,,1
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Jun 27 16:18:39 2007
Quant Method : C:\msdchem\1\METHODS\Q062507T.m
Quant Title : TO15 by GCMS w/DB-1 60 m X .25 mm ID 1.0 um
QLast Update : Wed Jun 27 15:26:30 2007
Response via : Initial Calibration





TIC: Q3822.D\data.ms

(10) TRICHLOROFLUOROMETHANE (m)

5.751min (-0.037) 0.23PPBV

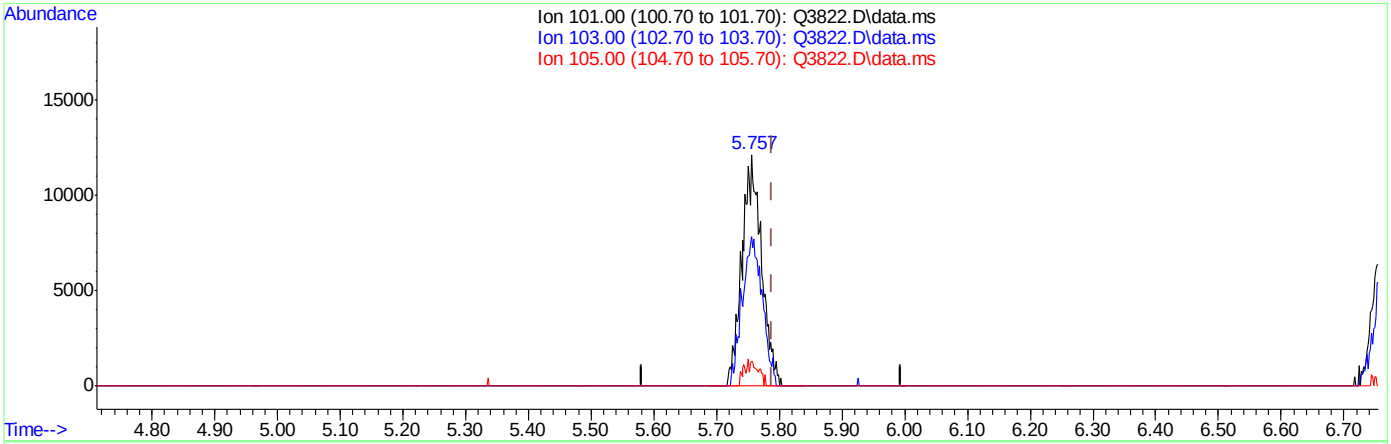
response 12444

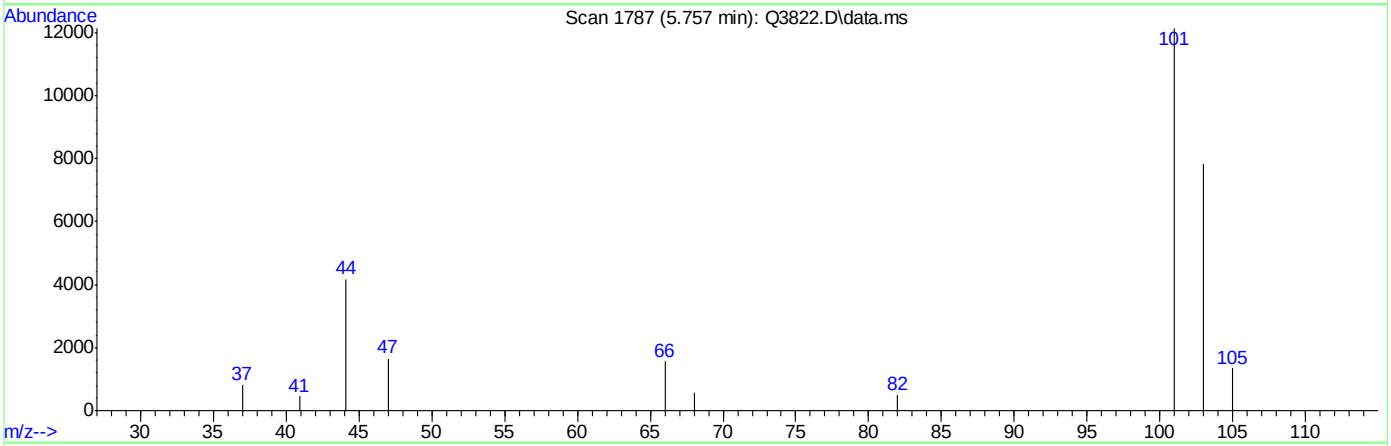
Ion	Exp%	Act%
101.00	100	100
103.00	64.30	140.62#
105.00	10.20	17.18
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\
Data File : Q3822.D
Acq On : 27 Jun 2007 3:52 pm
Operator : PhilipB
Sample : IC205-.5 (M087)
Misc : MS13820, MSQ205,,,,,1
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Jun 27 16:18:39 2007
Quant Method : C:\msdchem\1\METHODS\Q062507T.m
Quant Title : TO15 by GCMS w/DB-1 60 m X .25 mm ID 1.0 um
QLast Update : Wed Jun 27 15:26:30 2007
Response via : Initial Calibration





TIC: Q3822.D\data.ms

(10) TRICHLOROFLUOROMETHANE (m)

5.757min (-0.032) 0.49PPBV m

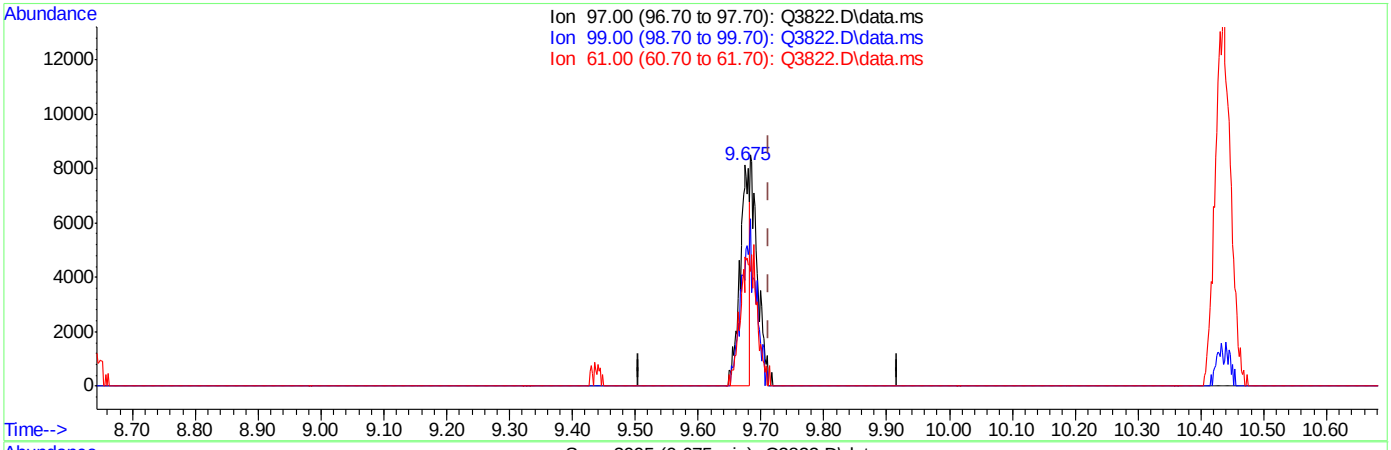
response 26506

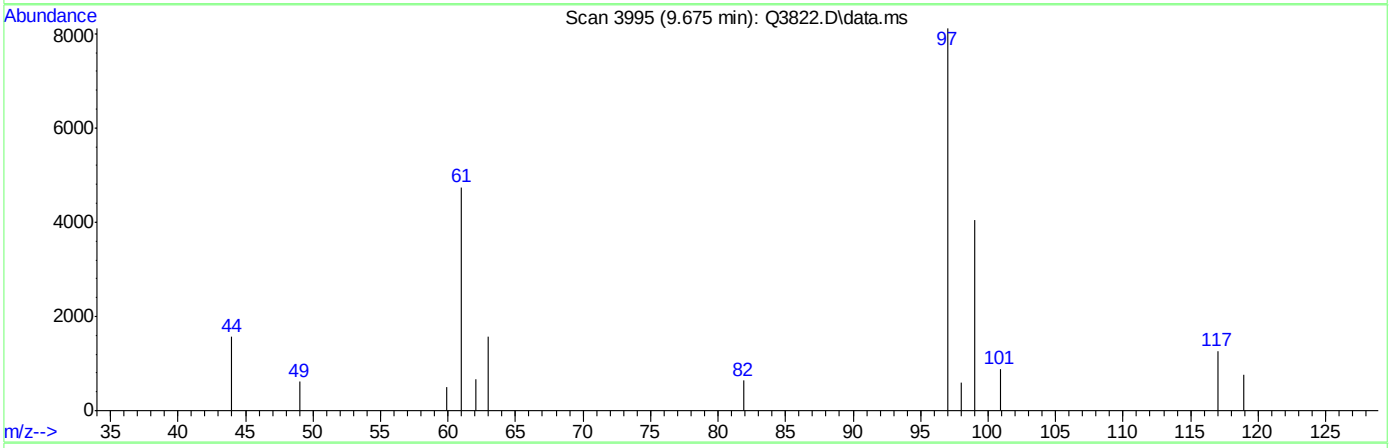
Ion	Exp%	Act%
101.00	100	100
103.00	64.30	66.02
105.00	10.20	8.07
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\
Data File : Q3822.D
Acq On : 27 Jun 2007 3:52 pm
Operator : PhilipB
Sample : IC205-.5 (M087)
Misc : MS13820, MSQ205,,,,,1
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Jun 27 16:18:39 2007
Quant Method : C:\msdchem\1\METHODS\Q062507T.m
Quant Title : TO15 by GCMS w/DB-1 60 m X .25 mm ID 1.0 um
QLast Update : Wed Jun 27 15:26:30 2007
Response via : Initial Calibration





TIC: Q3822.D\data.ms

(32) 1,1,1-TRICHLOROETHANE (m)

9.675min (-0.037) 0.27PPBV

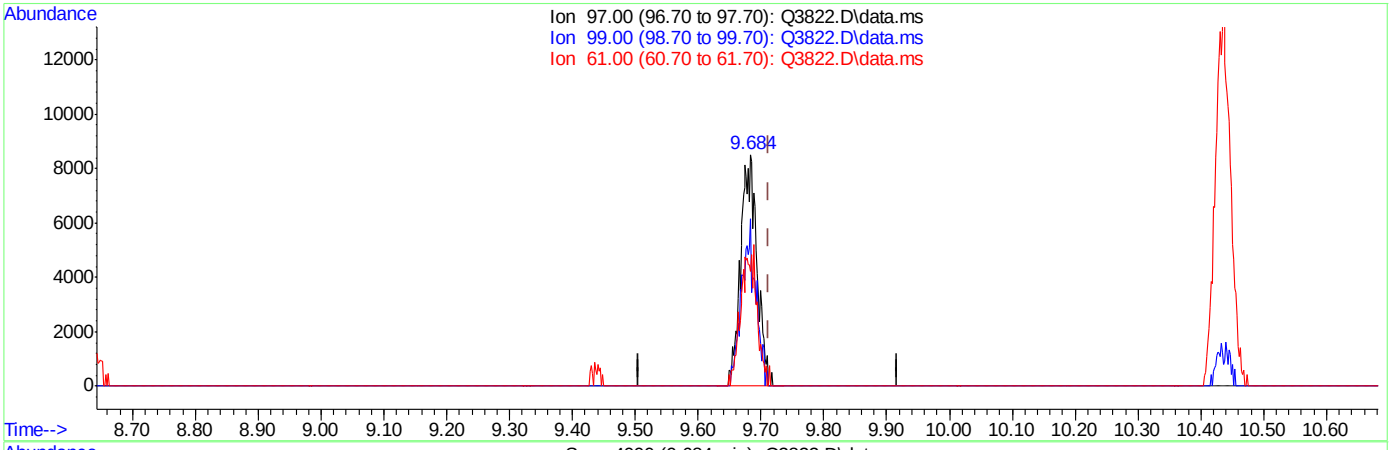
response 8958

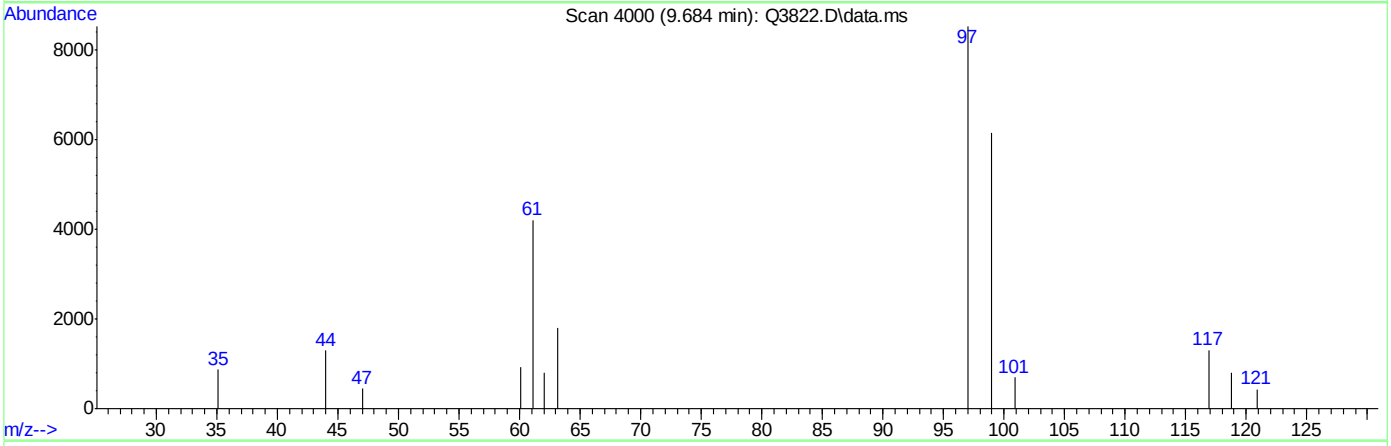
Ion	Exp%	Act%
97.00	100	100
99.00	63.70	110.84#
61.00	50.00	103.67#
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\
Data File : Q3822.D
Acq On : 27 Jun 2007 3:52 pm
Operator : PhilipB
Sample : IC205-.5 (M087)
Misc : MS13820, MSQ205,,,,,1
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Jun 27 16:18:39 2007
Quant Method : C:\msdchem\1\METHODS\Q062507T.m
Quant Title : TO15 by GCMS w/DB-1 60 m X .25 mm ID 1.0 um
QLast Update : Wed Jun 27 15:26:30 2007
Response via : Initial Calibration





TIC: Q3822.D\data.ms

(32) 1,1,1-TRICHLOROETHANE (m)

9.684min (-0.028) 0.47PPBV m

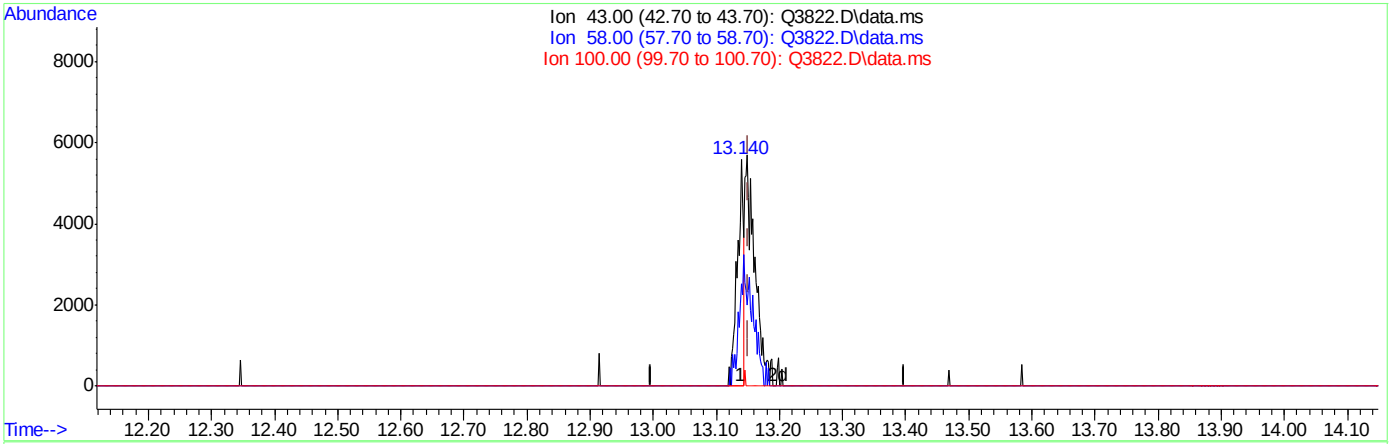
response 15850

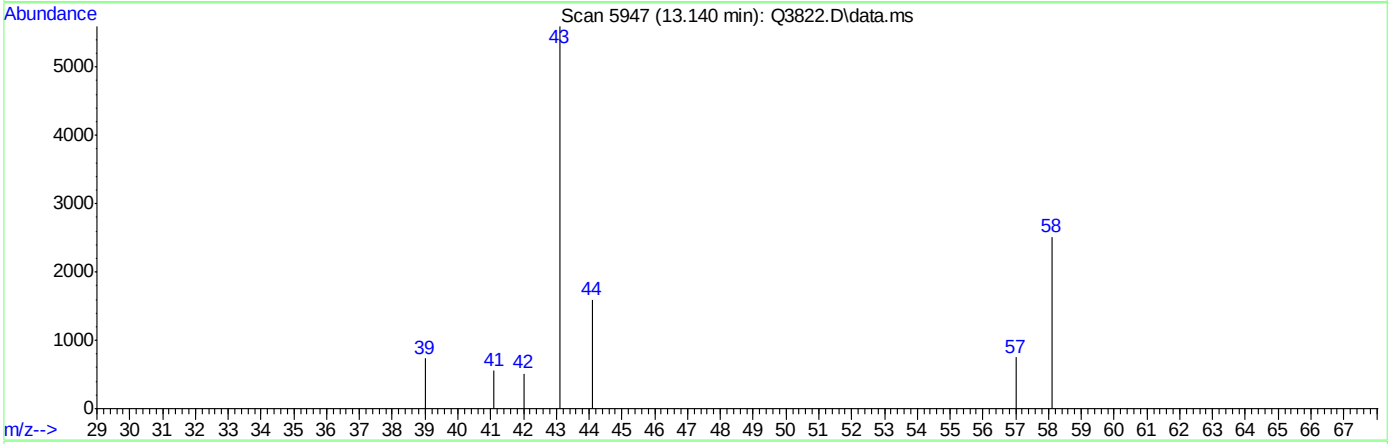
Ion	Exp%	Act%
97.00	100	100
99.00	63.70	62.64
61.00	50.00	58.59
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\
Data File : Q3822.D
Acq On : 27 Jun 2007 3:52 pm
Operator : PhilipB
Sample : IC205-.5 (M087)
Misc : MS13820, MSQ205,,,,,1
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Jun 27 16:18:39 2007
Quant Method : C:\msdchem\1\METHODS\Q062507T.m
Quant Title : TO15 by GCMS w/DB-1 60 m X .25 mm ID 1.0 um
QLast Update : Wed Jun 27 15:26:30 2007
Response via : Initial Calibration





TIC: Q3822.D\data.ms

(50) 2-HEXANONE (m)

13.140min (-0.012) 0.11PPBV

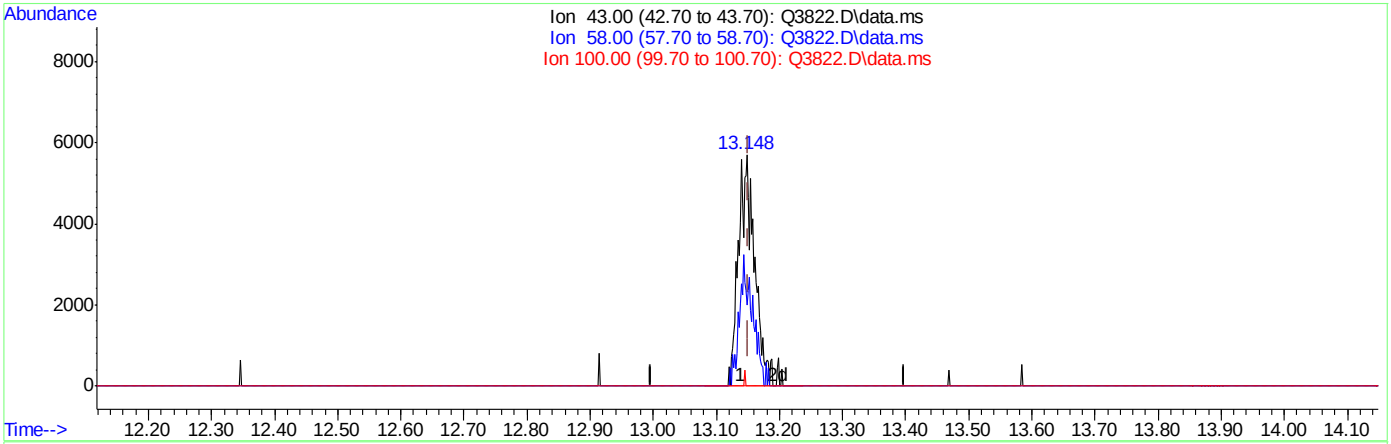
response 3760

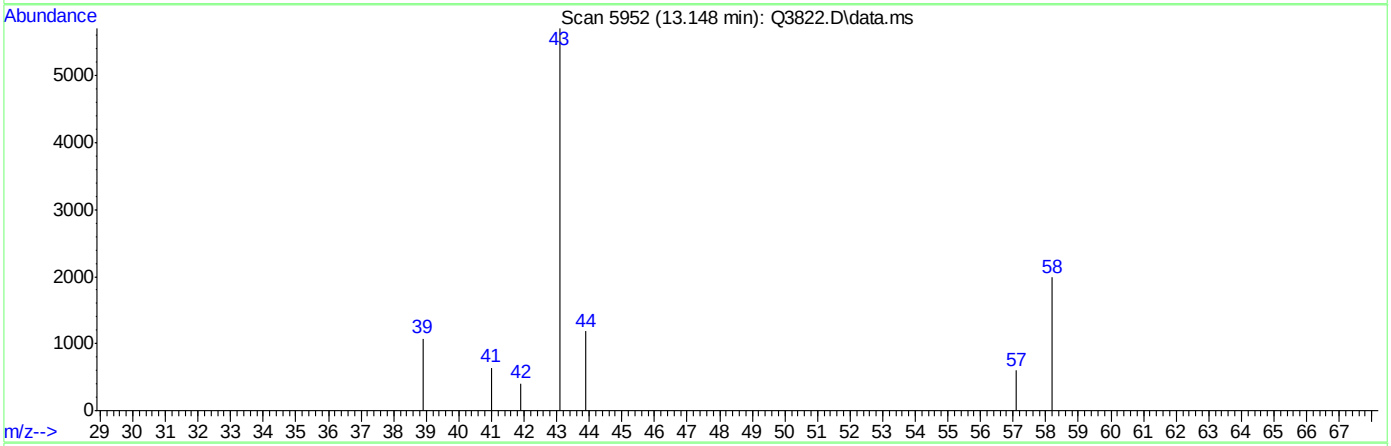
Ion	Exp%	Act%
43.00	100	100
58.00	52.00	123.43#
100.00	6.20	0.00
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\
Data File : Q3822.D
Acq On : 27 Jun 2007 3:52 pm
Operator : PhilipB
Sample : IC205-.5 (M087)
Misc : MS13820, MSQ205,,,,,1
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Jun 27 16:18:39 2007
Quant Method : C:\msdchem\1\METHODS\Q062507T.m
Quant Title : TO15 by GCMS w/DB-1 60 m X .25 mm ID 1.0 um
QLast Update : Wed Jun 27 15:26:30 2007
Response via : Initial Calibration





TIC: Q3822.D\data.ms

(50) 2-HEXANONE (m)

13.148min (-0.003) 0.31PPBV m

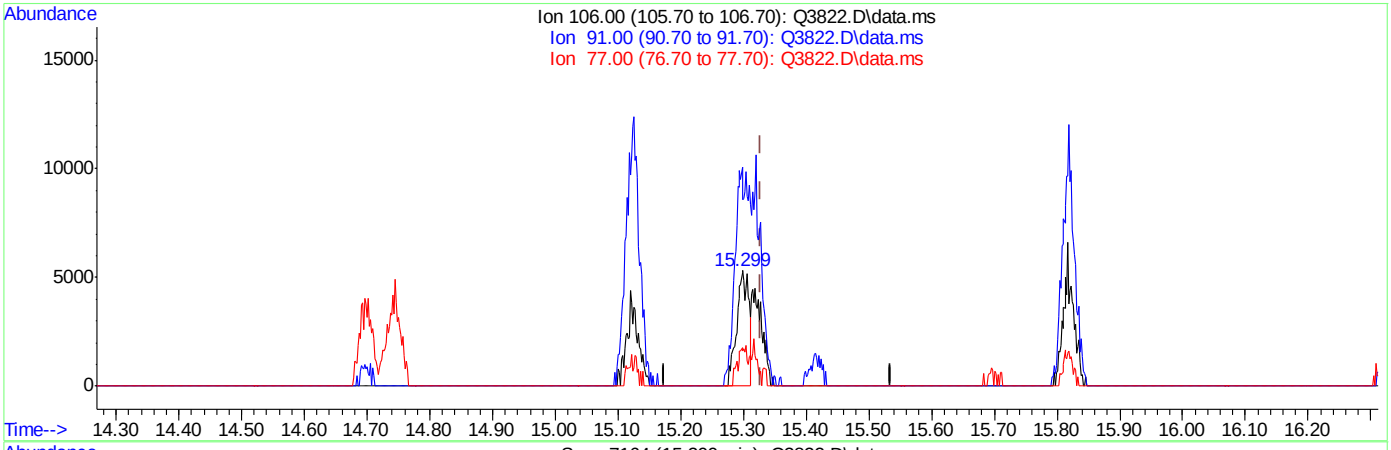
response 10275

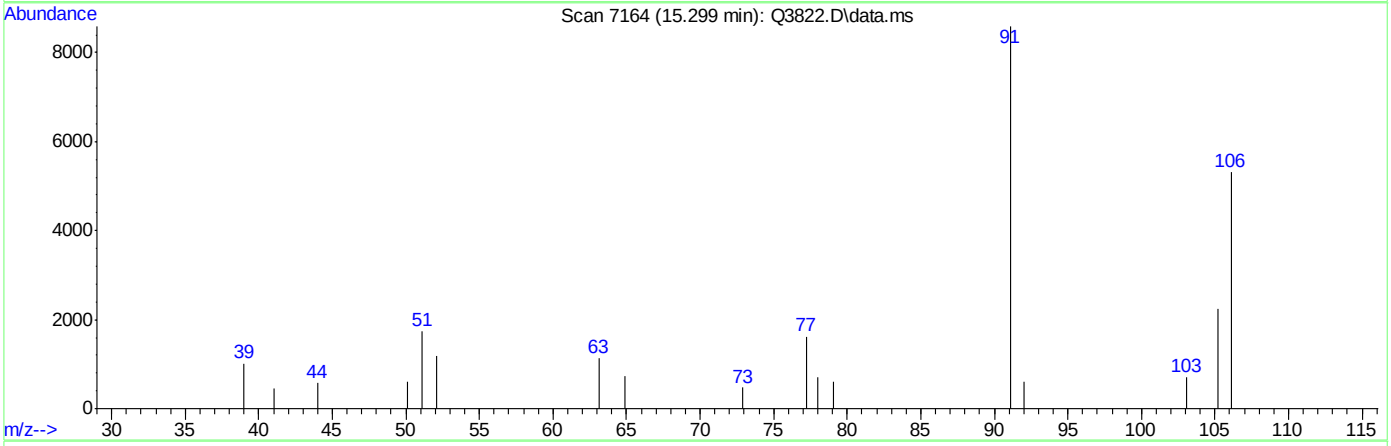
Ion	Exp%	Act%
43.00	100	100
58.00	52.00	45.17
100.00	6.20	0.00
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\
Data File : Q3822.D
Acq On : 27 Jun 2007 3:52 pm
Operator : PhilipB
Sample : IC205-.5 (M087)
Misc : MS13820, MSQ205,,,,,1
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Jun 27 16:18:39 2007
Quant Method : C:\msdchem\1\METHODS\Q062507T.m
Quant Title : TO15 by GCMS w/DB-1 60 m X .25 mm ID 1.0 um
QLast Update : Wed Jun 27 15:26:30 2007
Response via : Initial Calibration





TIC: Q3822.D\data.ms

(56) m,p-XYLENE (m)

15.299min (-0.030) 0.38PPBV

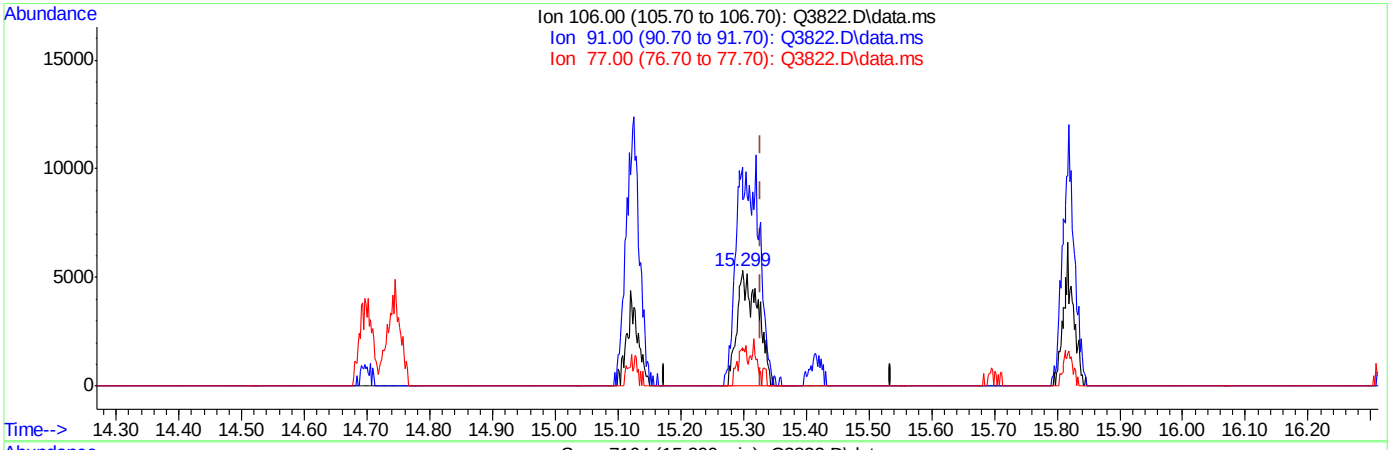
response 7494

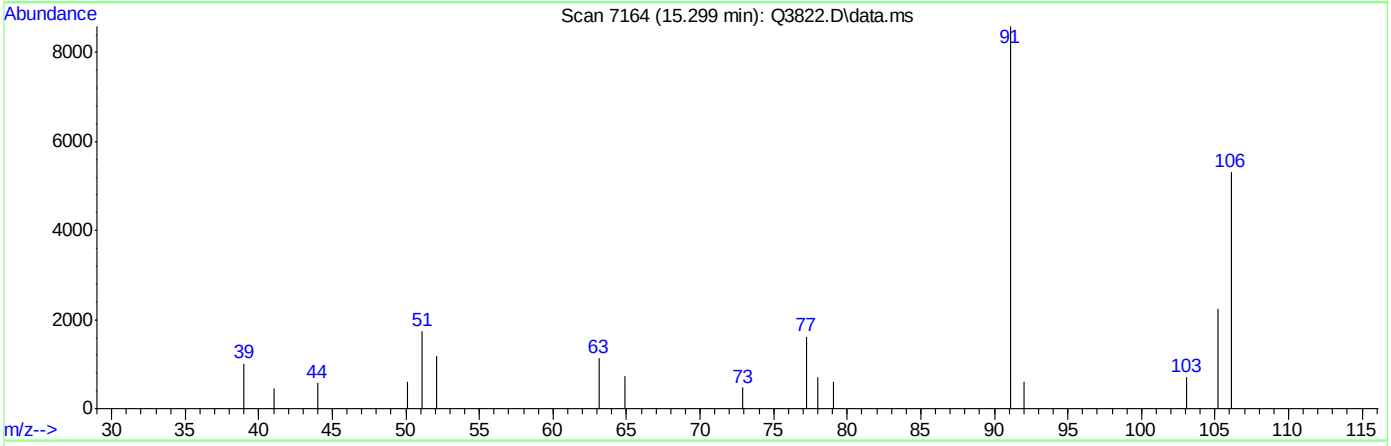
Ion	Exp%	Act%
106.00	100	100
91.00	201.30	161.48
77.00	27.30	30.33
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\
Data File : Q3822.D
Acq On : 27 Jun 2007 3:52 pm
Operator : PhilipB
Sample : IC205-.5 (M087)
Misc : MS13820, MSQ205,,,,,1
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Jun 27 16:18:39 2007
Quant Method : C:\msdchem\1\METHODS\Q062507T.m
Quant Title : TO15 by GCMS w/DB-1 60 m X .25 mm ID 1.0 um
QLast Update : Wed Jun 27 15:26:30 2007
Response via : Initial Calibration





TIC: Q3822.D\data.ms

(56) m,p-XYLENE (m)

15.299min (-0.030) 0.65PPBV m

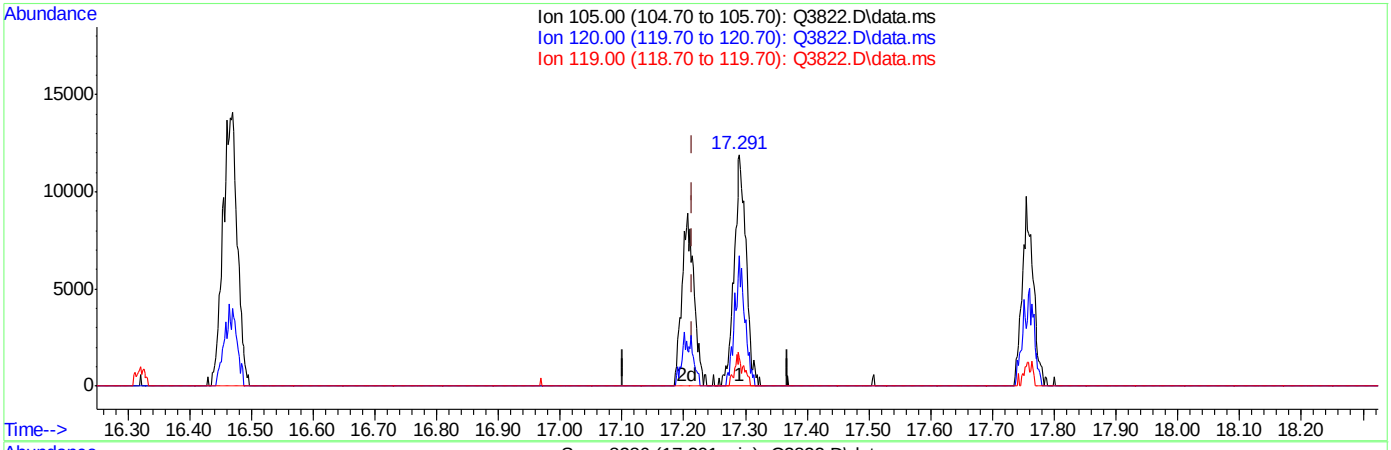
response 12713

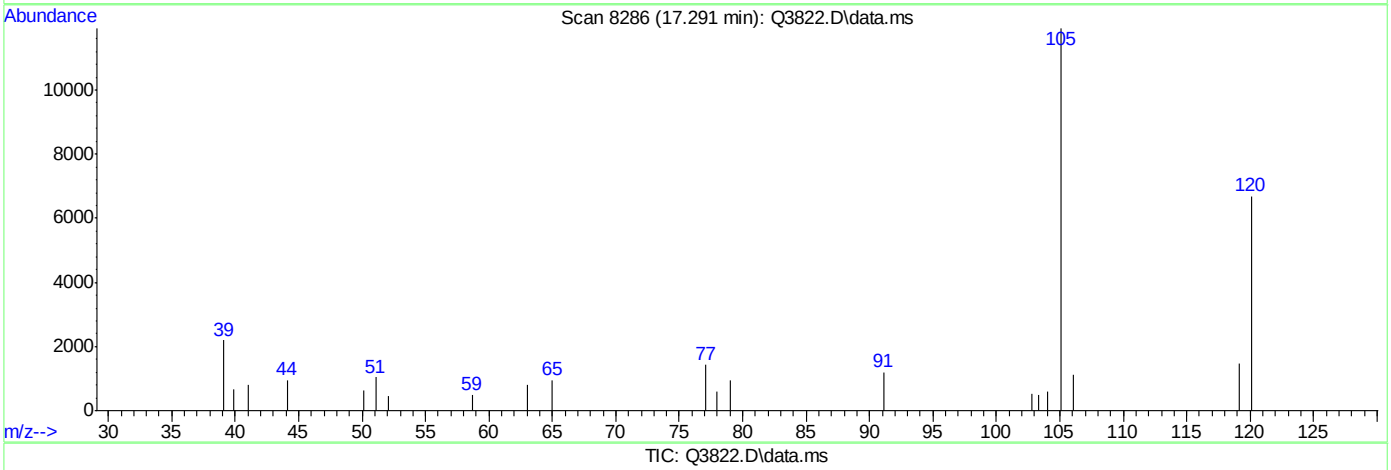
Ion	Exp%	Act%
106.00	100	100
91.00	201.30	161.48
77.00	27.30	30.33
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\
Data File : Q3822.D
Acq On : 27 Jun 2007 3:52 pm
Operator : PhilipB
Sample : IC205-.5 (M087)
Misc : MS13820, MSQ205,,,,,1
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Jun 27 16:18:39 2007
Quant Method : C:\msdchem\1\METHODS\Q062507T.m
Quant Title : TO15 by GCMS w/DB-1 60 m X .25 mm ID 1.0 um
QLast Update : Wed Jun 27 15:26:30 2007
Response via : Initial Calibration





TIC: Q3822.D\data.ms

(65) 4-ETHYLTOLUENE (m)

17.291min (+0.076) 0.36PPBV

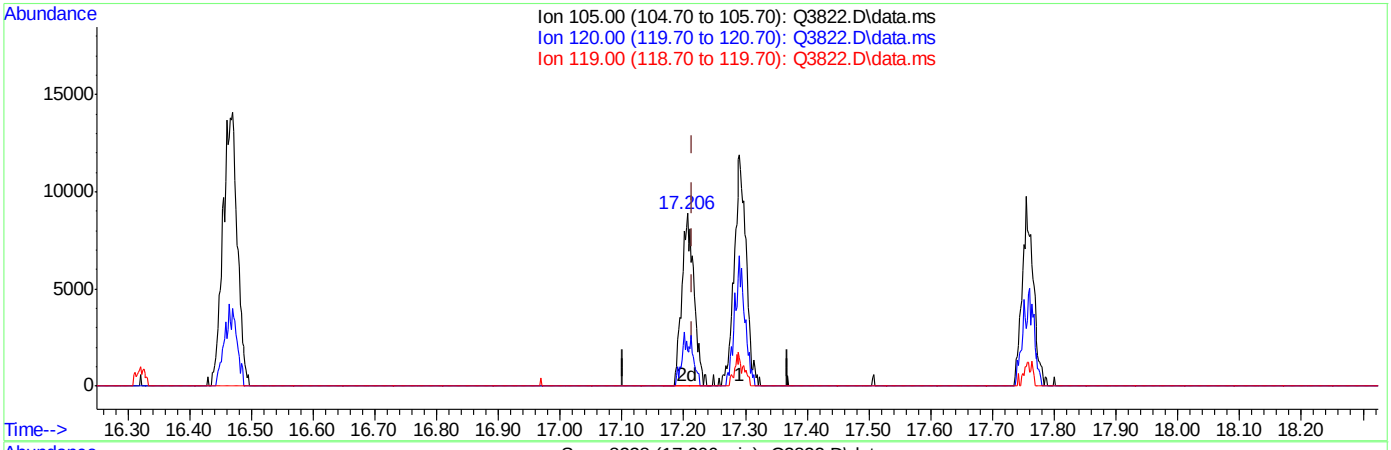
response 16820

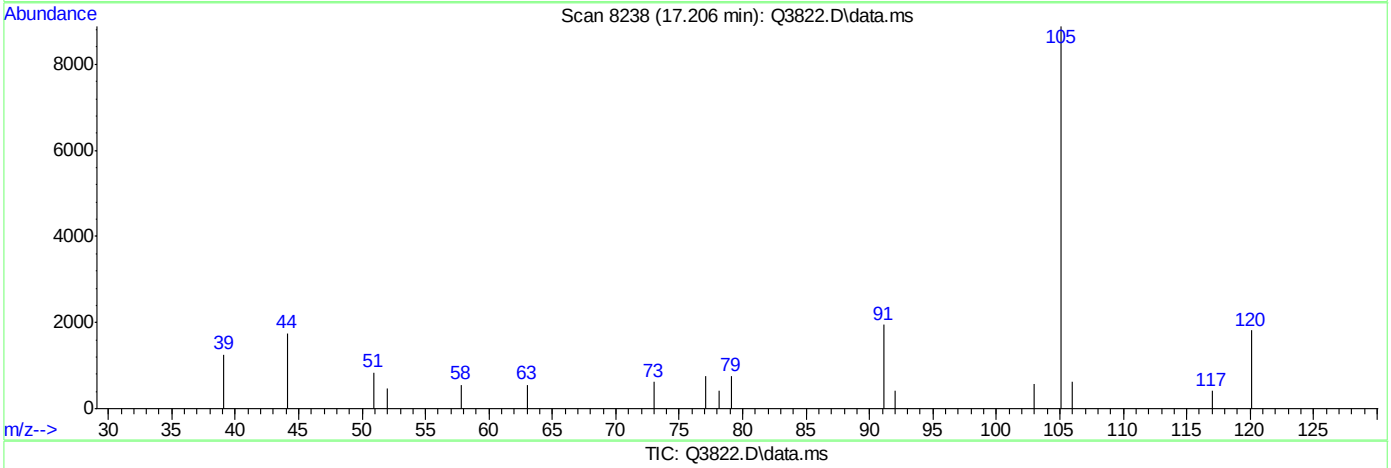
Ion	Exp%	Act%
105.00	100	100
120.00	29.20	47.49
119.00	2.10	10.77
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\
Data File : Q3822.D
Acq On : 27 Jun 2007 3:52 pm
Operator : PhilipB
Sample : IC205-.5 (M087)
Misc : MS13820, MSQ205,,,,,1
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Jun 27 16:18:39 2007
Quant Method : C:\msdchem\1\METHODS\Q062507T.m
Quant Title : TO15 by GCMS w/DB-1 60 m X .25 mm ID 1.0 um
QLast Update : Wed Jun 27 15:26:30 2007
Response via : Initial Calibration





TIC: Q3822.D\data.ms

(65) 4-ETHYLTOLUENE (m)

17.206min (-0.009) 0.27PPBV m

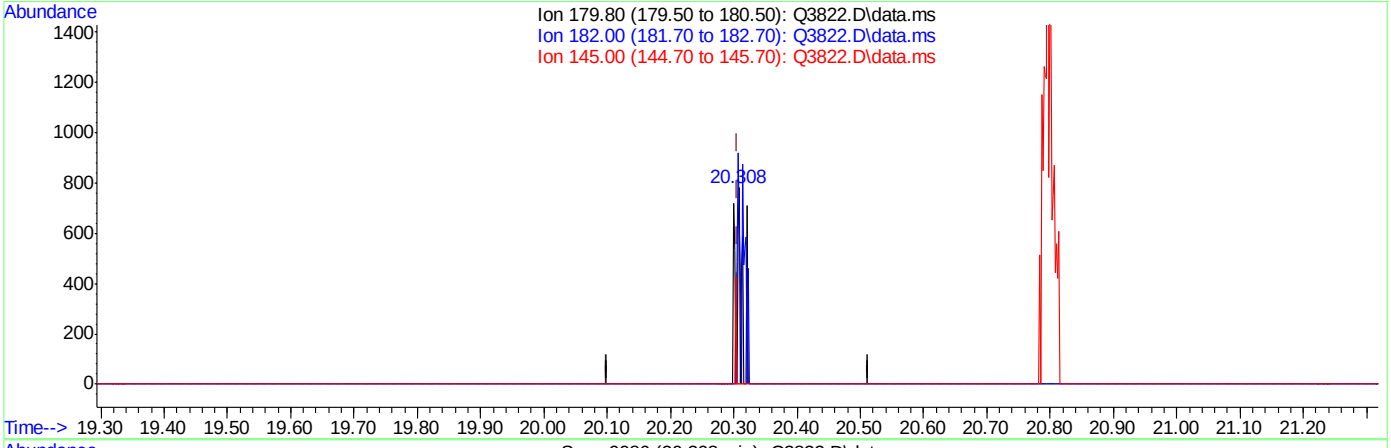
response 12652

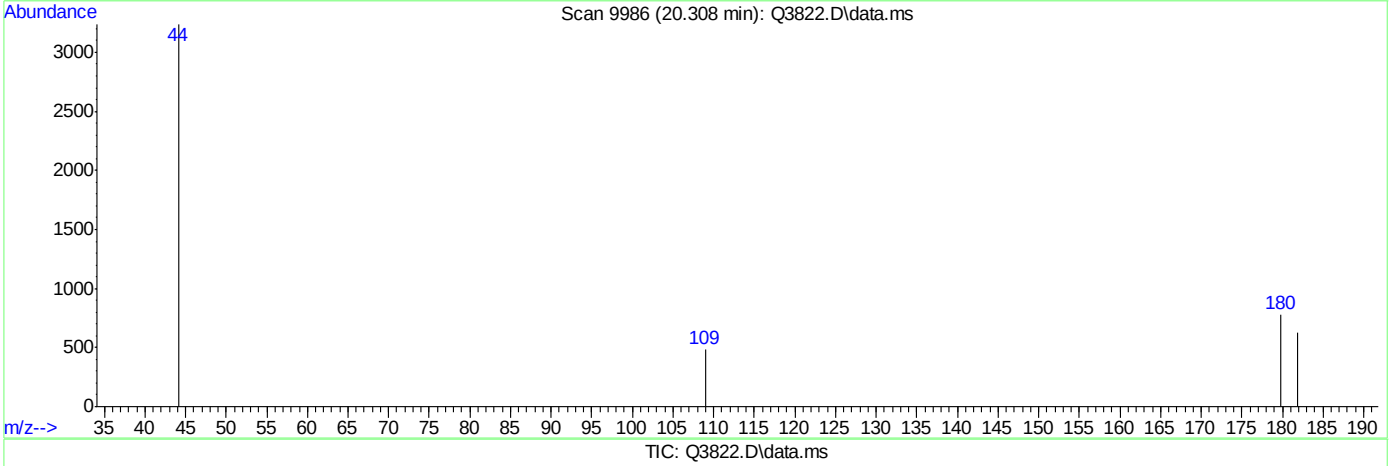
Ion	Exp%	Act%
105.00	100	100
120.00	29.20	63.13#
119.00	2.10	14.31
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\
Data File : Q3822.D
Acq On : 27 Jun 2007 3:52 pm
Operator : PhilipB
Sample : IC205-.5 (M087)
Misc : MS13820, MSQ205,,,,,1
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Jun 27 16:18:39 2007
Quant Method : C:\msdchem\1\METHODS\Q062507T.m
Quant Title : TO15 by GCMS w/DB-1 60 m X .25 mm ID 1.0 um
QLast Update : Wed Jun 27 15:26:30 2007
Response via : Initial Calibration





TIC: Q3822.D\data.ms

(73) 1,2,4-TRICHLOROBENZENE (m)

20.308min (+0.001) 0.15PPBV

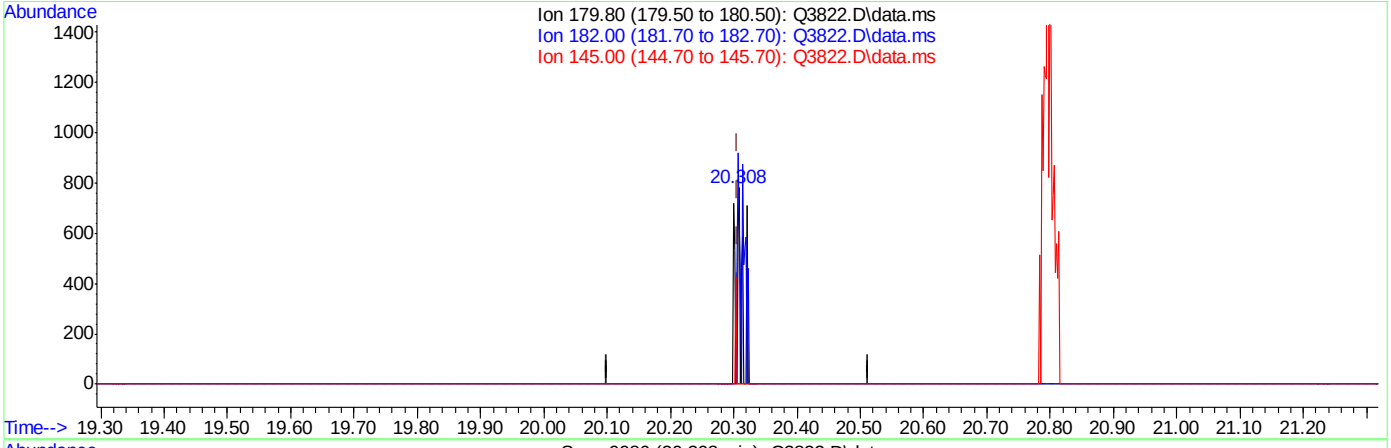
response 394

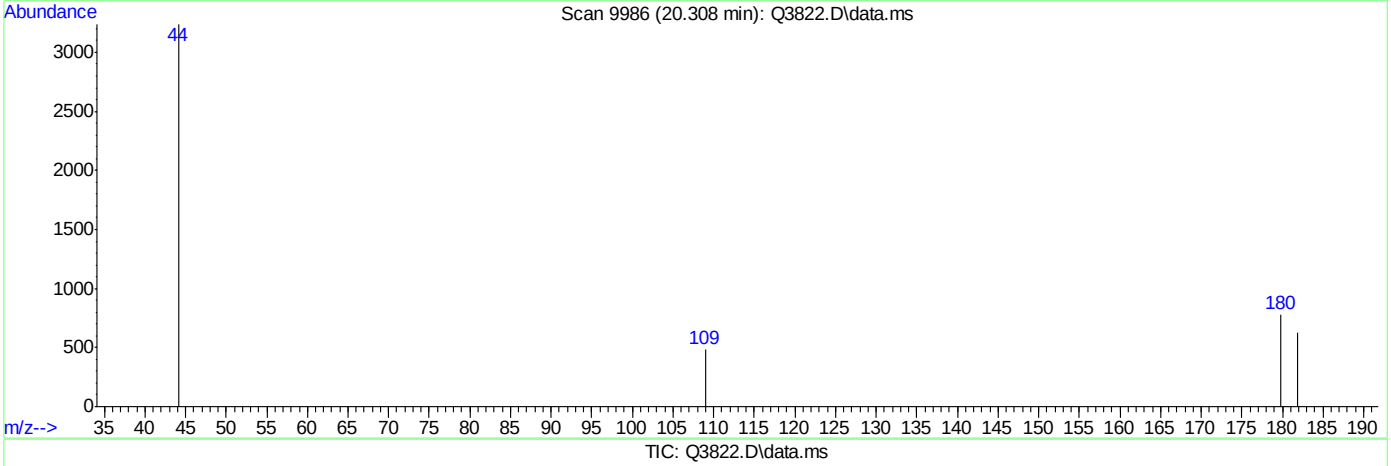
Ion	Exp%	Act%
179.80	100	100
182.00	95.40	66.24#
145.00	38.00	0.00#
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\
Data File : Q3822.D
Acq On : 27 Jun 2007 3:52 pm
Operator : PhilipB
Sample : IC205-.5 (M087)
Misc : MS13820, MSQ205,,,,,1
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Jun 27 16:18:39 2007
Quant Method : C:\msdchem\1\METHODS\Q062507T.m
Quant Title : TO15 by GCMS w/DB-1 60 m X .25 mm ID 1.0 um
QLast Update : Wed Jun 27 15:26:30 2007
Response via : Initial Calibration





TIC: Q3822.D\data.ms

(73) 1,2,4-TRICHLOROBENZENE (m)

20.308min (+0.001) 0.18PPBV m

response 470

Ion	Exp%	Act%
179.80	100	100
182.00	95.40	55.53#
145.00	38.00	0.00#
0.00	0.00	0.00

Q3823.D

Manual Integrations APPROVED (compounds with "m" flag)

Doug Yargeau 06/28/07 14:05

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\
Data File : Q3823.D
Acq On : 27 Jun 2007 4:40 pm
Operator : PhilipB
Sample : IC205-.2 (M087)
Misc : MS13820, MSQ205,,,,,1
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Jun 27 17:16:44 2007
Quant Method : C:\msdchem\1\METHODS\Q062507T.m
Quant Title : TO15 by GCMS w/DB-1 60 m X .25 mm ID 1.0 um
QLast Update : Wed Jun 27 16:20:20 2007
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) BROMOCHLOROMETHANE	8.566	128	125809	10.00	PPBV	-0.07
35) 1,4-DIFLUOROBENZENE	10.410	114	578831	10.00	PPBV	-0.06
49) CHLOROBENZENE-D5	14.687	117	473614	10.00	PPBV	-0.02

System Monitoring Compounds

61) 4-BROMOFLUOROBENZENE	16.313	95	165305	4.43	PPBV	-0.02

Spiked Amount 5.000 Range 57 - 139 Recovery = 88.60%

Target Compounds						Qvalue
2) DICHLORODIFLUOROMETHANE	4.022	85	15838	0.27	PPBV	92
3) PROPYLENE	3.951	41	5491m	0.28	PPBV	
4) FREON 114	4.276	85	13997	0.27	PPBV	87
5) CHLOROMETHANE	4.179	50	6806	0.27	PPBV	92
6) VINYL CHLORIDE	4.393	62	5891	0.27	PPBV #	69
7) 1,3-BUTADIENE	4.532	39	5362m	0.29	PPBV	
8) BROMOMETHANE	4.789	94	4098	0.24	PPBV #	62
9) CHLOROETHANE	4.945	64	1851m	0.21	PPBV	
10) TRICHLOROFLUOROMETHANE	5.726	101	13222	0.28	PPBV #	70
11) ISOPROPYL ALCOHOL	5.783	45	14995	0.39	PPBV	96
12) ACETONE	5.549	43	15105	0.47	PPBV	91
13) PENTANE	6.065	42	7214	0.30	PPBV	85
14) 1,1-DICHLOROETHYLENE	6.362	96	3717	0.24	PPBV #	73
15) CARBON DISULFIDE	6.791	76	11302	0.26	PPBV	89
16) ETHANOL	5.048	45	3266	0.44	PPBV #	49
17) BROMOETHENE	5.314	106	3579	0.23	PPBV #	75
18) METHYLENE CHLORIDE	6.466	84	21338	1.10	PPBV #	41
19) 3-CHLOROPROPENE	6.580	39	4399m	0.28	PPBV	
20) FREON 113	6.732	151	6014	0.27	PPBV #	76
21) TRANS-1,2-DICHLOROETHY...	7.396	96	2844m	0.21	PPBV	
22) TERTIARY BUTYL ALCOHOL	6.390	59	9625m	0.24	PPBV	
23) METHYL TERTIARY BUTYL ...	7.655	73	7565m	0.23	PPBV	
24) TETRAHYDROFURAN	9.105	42	4081	0.21	PPBV #	72
25) HEXANE	8.598	57	13456	0.41	PPBV #	65
26) VINYL ACETATE	7.717	43	8814	0.25	PPBV #	88
27) 1,1-DICHLOROETHANE	7.600	63	7978	0.24	PPBV #	53
28) METHYL ETHYL KETONE	7.982	43	9529	0.26	PPBV	76
29) cis-1,2-DICHLOROETHYLENE	8.399	96	2724m	0.20	PPBV	
30) ETHYL ACETATE	8.603	43	18630	0.30	PPBV #	96
31) CHLOROFORM	8.686	83	10899	0.32	PPBV	95
32) 1,1,1-TRICHLOROETHANE	9.657	97	6901	0.23	PPBV	91
33) CARBON TETRACHLORIDE	10.239	117	7656	0.23	PPBV	95
34) 1,2-DICHLOROETHANE	9.398	62	4442	0.21	PPBV	76
36) BENZENE	10.096	78	8613	0.24	PPBV	79
37) CYCLOHEXANE	10.362	84	3975	0.24	PPBV #	85
38) TRICHLOROETHYLENE	11.098	95	3889	0.21	PPBV	94
39) 1,2-DICHLOROPROPANE	10.875	63	3818	0.22	PPBV #	56
40) BROMODICHLOROMETHANE	11.065	83	6555	0.23	PPBV	98
41) 2,2,4-TRIMETHYLPENTANE	11.120	57	20871	0.23	PPBV	93
42) 1,4-DIOXANE	11.123	88	948m	0.15	PPBV	
43) HEPTANE	11.359	43	7855	0.22	PPBV	82

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\
Data File : Q3823.D
Acq On : 27 Jun 2007 4:40 pm
Operator : PhilipB
Sample : IC205-.2 (M087)
Misc : MS13820, MSQ205,,,,,1
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Jun 27 17:16:44 2007
Quant Method : C:\msdchem\1\METHODS\Q062507T.m
Quant Title : TO15 by GCMS w/DB-1 60 m X .25 mm ID 1.0 um
QLast Update : Wed Jun 27 16:20:20 2007
Response via : Initial Calibration

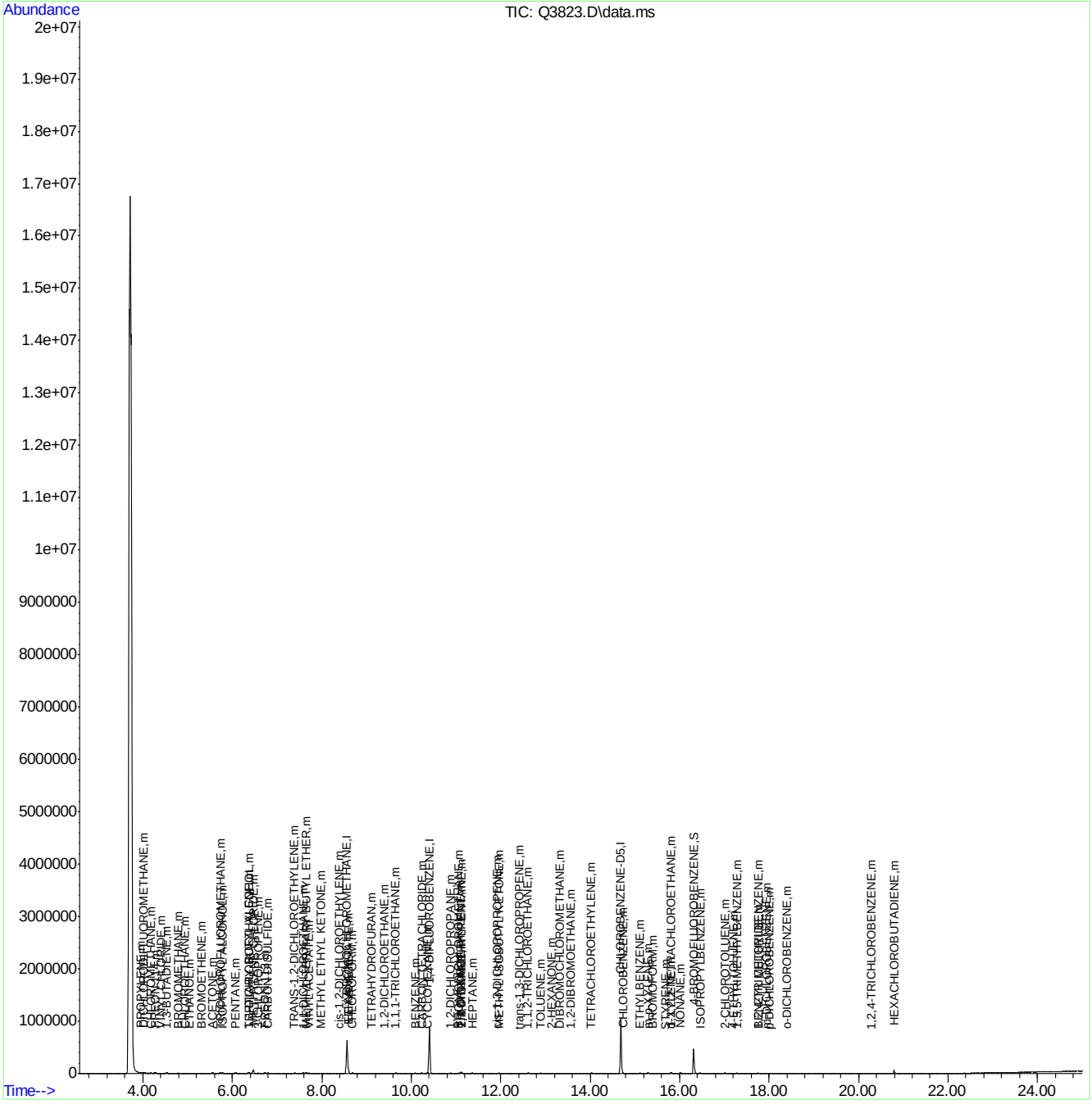
Internal Standards	R.T.	QIon	Response	Conc	Units		Dev(Min)
44) METHYL ISOBUTYL KETONE	11.952	43	7733	0.19	PPBV		78
45) cis-1,3-DICHLOROPROPENE	11.922	75	2646	0.16	PPBV		92
46) TOLUENE	12.894	92	5759	0.26	PPBV		97
47) trans-1,3-DICHLOROPROPENE	12.424	75	789	0.06	PPBV	#	77
48) 1,1,2-TRICHLOROETHANE	12.616	83	2943m	0.22	PPBV		
50) 2-HEXANONE	13.134	43	4456	0.16	PPBV	#	80
51) TETRACHLOROETHYLENE	14.030	164	2597	0.21	PPBV	#	80
52) DIBROMOCHLOROMETHANE	13.319	129	4352	0.20	PPBV		90
53) 1,2-DIBROMOETHANE	13.580	107	3011	0.17	PPBV	#	89
54) CHLOROBENZENE	14.731	112	4399	0.18	PPBV		93
55) ETHYLBENZENE	15.116	91	8244	0.19	PPBV		93
56) m,p-XYLENE	15.301	106	6263m	0.38	PPBV		
57) o-XYLENE	15.819	106	3125	0.18	PPBV	#	84
58) STYRENE	15.684	104	1390	0.08	PPBV	#	51
59) NONANE	16.013	43	8719m	0.20	PPBV		
60) BROMOFORM	15.406	173	2298	0.15	PPBV	#	80
62) 1,1,2,2-TETRACHLOROETHANE	15.800	83	8005	0.24	PPBV		95
63) ISOPROPYLBENZENE	16.460	105	10227	0.21	PPBV	#	100
64) 2-CHLOROTOLUENE	17.008	91	5574	0.16	PPBV		95
65) 4-ETHYLTOLUENE	17.205	105	5319m	0.14	PPBV		
66) 1,3,5-TRIMETHYLBENZENE	17.285	105	7207	0.19	PPBV		88
67) 1,2,4-TRIMETHYLBENZENE	17.750	105	4878	0.14	PPBV		95
68) m-DICHLOROBENZENE	17.937	146	995	0.07	PPBV	#	48
69) BENZYL CHLORIDE	17.756	91	271	0.02	PPBV	#	61
70) p-DICHLOROBENZENE	18.016	146	592m	0.05	PPBV		
71) o-DICHLOROBENZENE	18.403	146	1601	0.11	PPBV		92
72) HEXACHLOROBUTADIENE	20.799	225	5561	0.69	PPBV		94
73) 1,2,4-TRICHLOROBENZENE	20.306	180	118m	0.06	PPBV		

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

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\
Data File : Q3823.D
Acq On : 27 Jun 2007 4:40 pm
Operator : PhilipB
Sample : IC205-.2 (M087)
Misc : MS13820, MSQ205,,,,,1
ALS Vial : 2 Sample Multiplier: 1

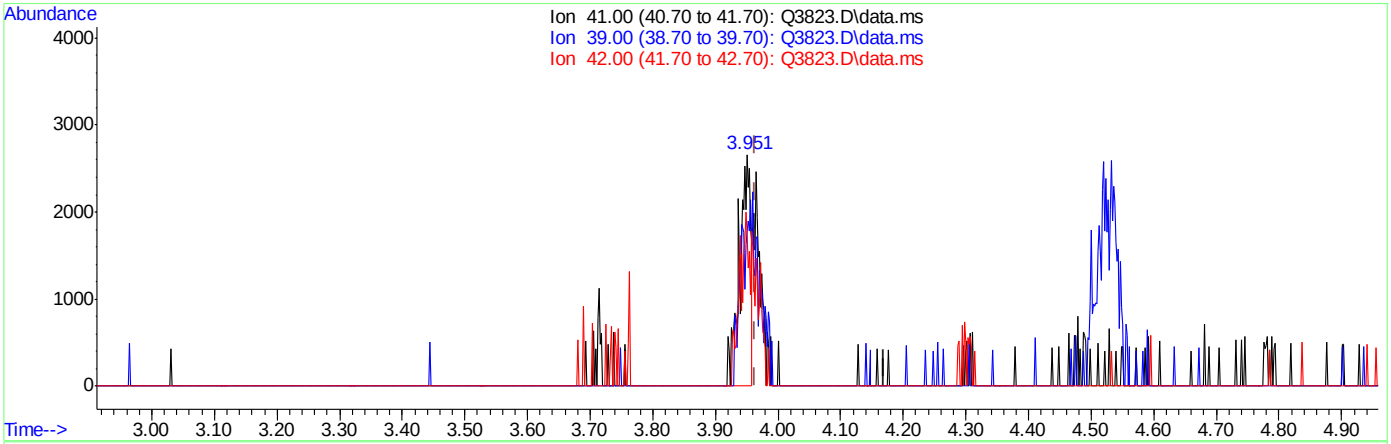
Quant Time: Jun 27 17:16:44 2007
Quant Method : C:\msdchem\1\METHODS\Q062507T.m
Quant Title : TO15 by GCMS w/DB-1 60 m X .25 mm ID 1.0 um
QLast Update : Wed Jun 27 16:20:20 2007
Response via : Initial Calibration

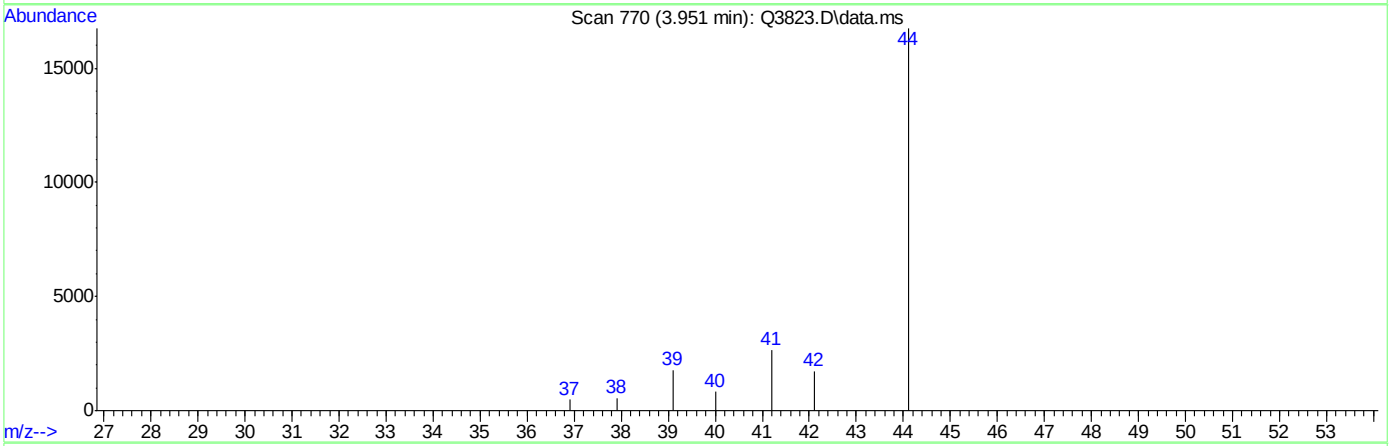


Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\
Data File : Q3823.D
Acq On : 27 Jun 2007 4:40 pm
Operator : PhilipB
Sample : IC205-.2 (M087)
Misc : MS13820, MSQ205,,,,,1
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Jun 27 17:14:09 2007
Quant Method : C:\msdchem\1\METHODS\Q062507T.m
Quant Title : TO15 by GCMS w/DB-1 60 m X .25 mm ID 1.0 um
QLast Update : Wed Jun 27 16:20:20 2007
Response via : Initial Calibration





TIC: Q3823.D\data.ms

(3) PROPYLENE (m)

3.951min (-0.013) 0.17PPBV

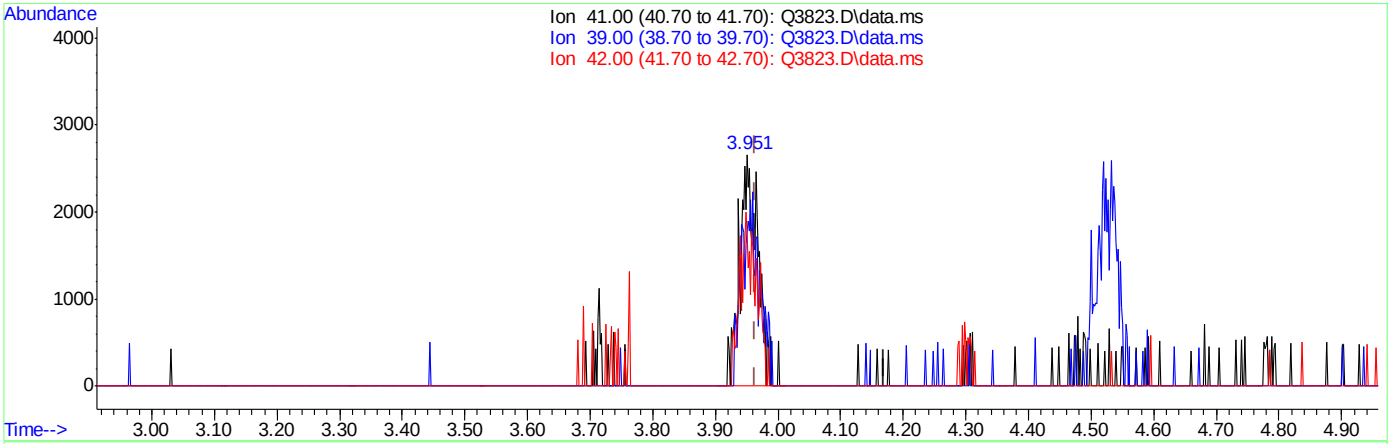
response 3377

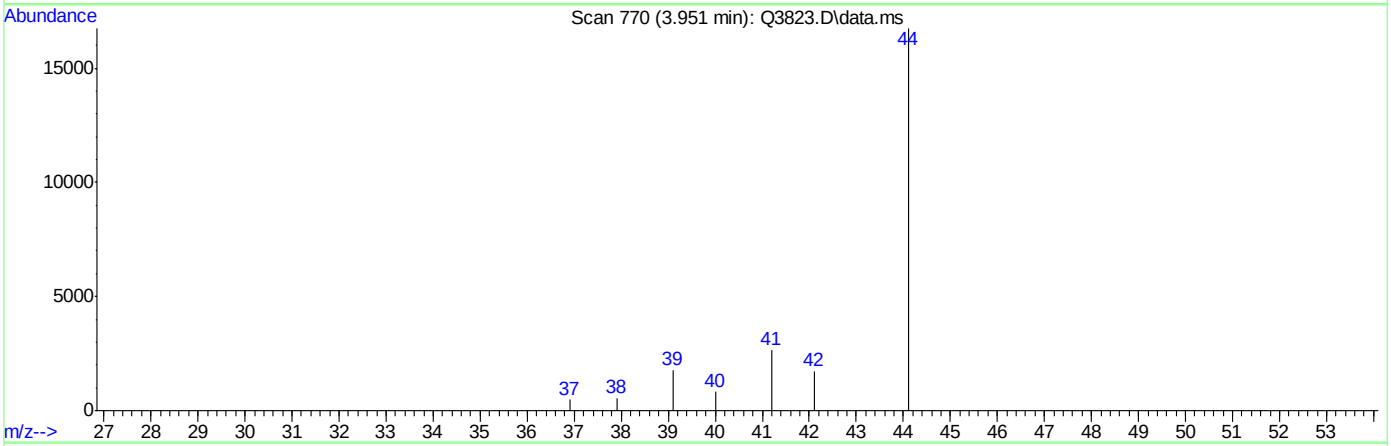
Ion	Exp%	Act%
41.00	100	100
39.00	72.50	67.04
42.00	67.80	65.31
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\
Data File : Q3823.D
Acq On : 27 Jun 2007 4:40 pm
Operator : PhilipB
Sample : IC205-.2 (M087)
Misc : MS13820, MSQ205,,,,,1
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Jun 27 17:14:09 2007
Quant Method : C:\msdchem\1\METHODS\Q062507T.m
Quant Title : TO15 by GCMS w/DB-1 60 m X .25 mm ID 1.0 um
QLast Update : Wed Jun 27 16:20:20 2007
Response via : Initial Calibration





TIC: Q3823.D\data.ms

(3) PROPYLENE (m)

3.951min (-0.013) 0.28PPBV m

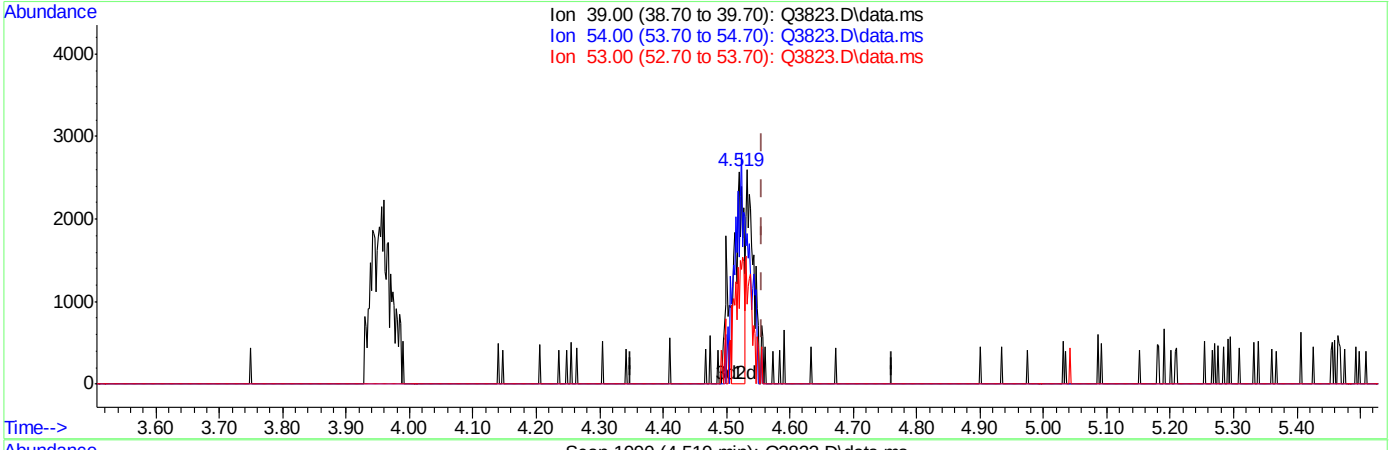
response 5491

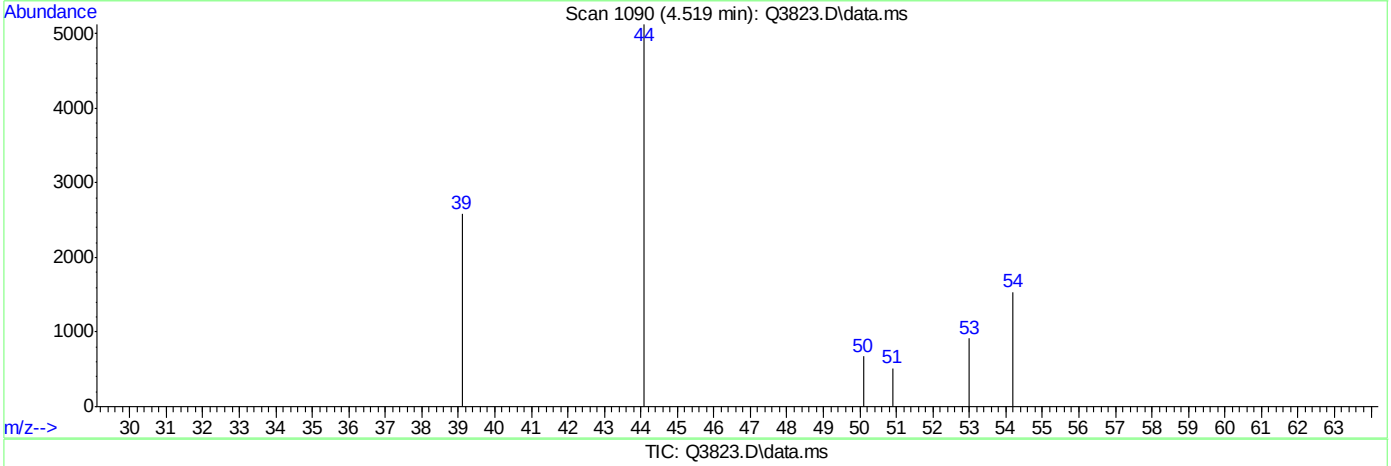
Ion	Exp%	Act%
41.00	100	100
39.00	72.50	67.04
42.00	67.80	65.31
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\
Data File : Q3823.D
Acq On : 27 Jun 2007 4:40 pm
Operator : PhilipB
Sample : IC205-.2 (M087)
Misc : MS13820, MSQ205,,,,,1
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Jun 27 17:14:09 2007
Quant Method : C:\msdchem\1\METHODS\Q062507T.m
Quant Title : TO15 by GCMS w/DB-1 60 m X .25 mm ID 1.0 um
QLast Update : Wed Jun 27 16:20:20 2007
Response via : Initial Calibration





TIC: Q3823.D\data.ms

(7) 1,3-BUTADIENE (m)

4.519min (-0.037) 0.12PPBV

response 2275

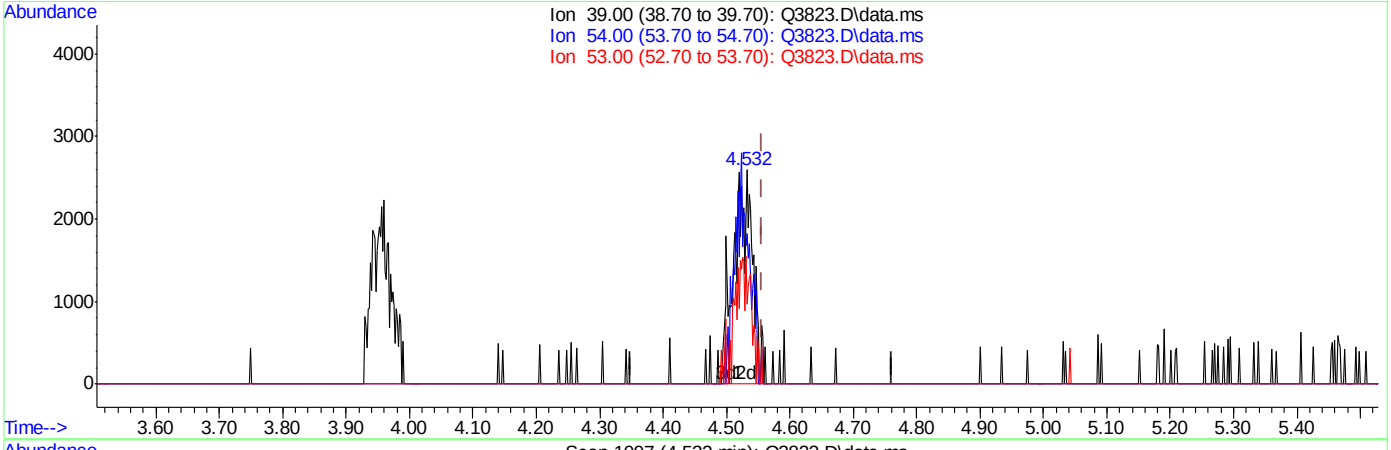
Ion	Exp%	Act%
39.00	100	100
54.00	111.20	184.79#
53.00	75.80	0.00#
0.00	0.00	0.00

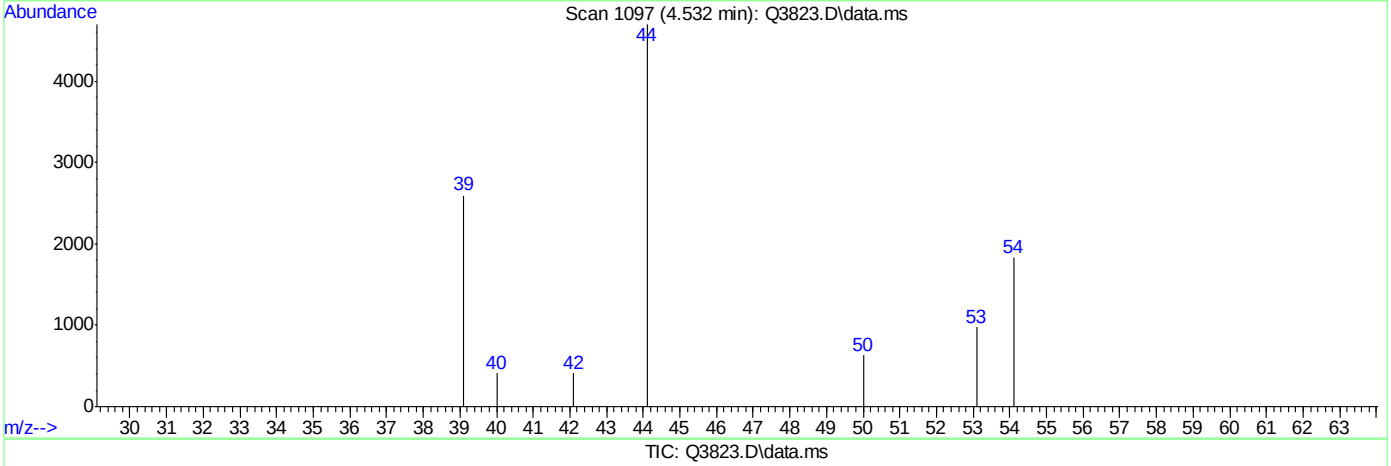
ACCUTEST Laboratories M65795R

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\
Data File : Q3823.D
Acq On : 27 Jun 2007 4:40 pm
Operator : PhilipB
Sample : IC205-.2 (M087)
Misc : MS13820, MSQ205,,,,,1
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Jun 27 17:14:09 2007
Quant Method : C:\msdchem\1\METHODS\Q062507T.m
Quant Title : TO15 by GCMS w/DB-1 60 m X .25 mm ID 1.0 um
QLast Update : Wed Jun 27 16:20:20 2007
Response via : Initial Calibration





TIC: Q3823.D\data.ms

(7) 1,3-BUTADIENE (m)

4.532min (-0.024) 0.29PPBV m

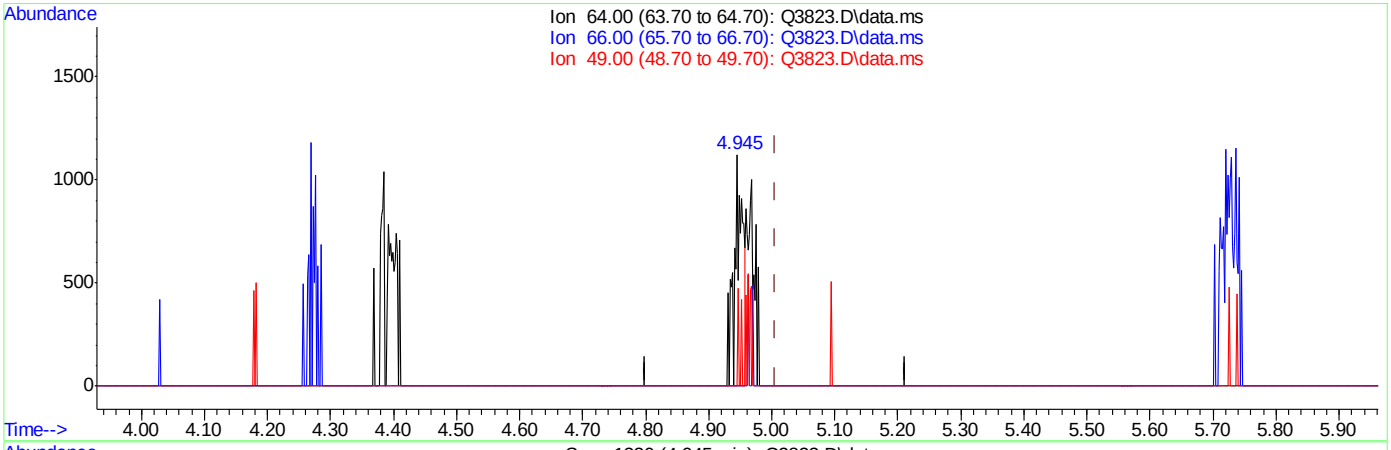
response 5362

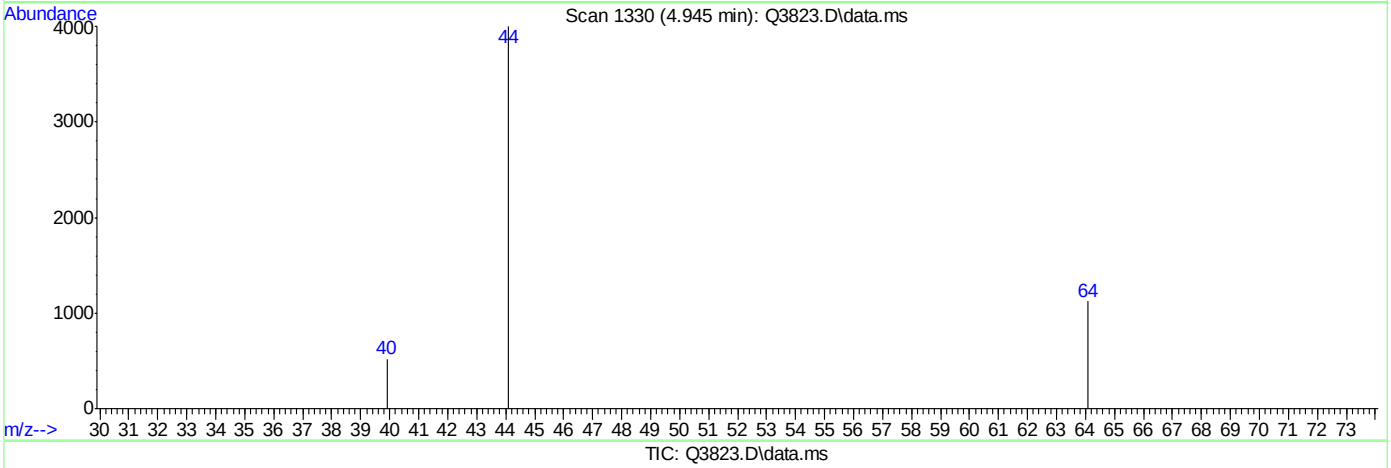
Ion	Exp%	Act%
39.00	100	100
54.00	111.20	78.40#
53.00	75.80	0.00#
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\
Data File : Q3823.D
Acq On : 27 Jun 2007 4:40 pm
Operator : PhilipB
Sample : IC205-.2 (M087)
Misc : MS13820, MSQ205,,,,,1
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Jun 27 17:14:09 2007
Quant Method : C:\msdchem\1\METHODS\Q062507T.m
Quant Title : TO15 by GCMS w/DB-1 60 m X .25 mm ID 1.0 um
QLast Update : Wed Jun 27 16:20:20 2007
Response via : Initial Calibration





TIC: Q3823.D\data.ms

(9) CHLOROETHANE (m)

4.945min (-0.060) 0.12PPBV

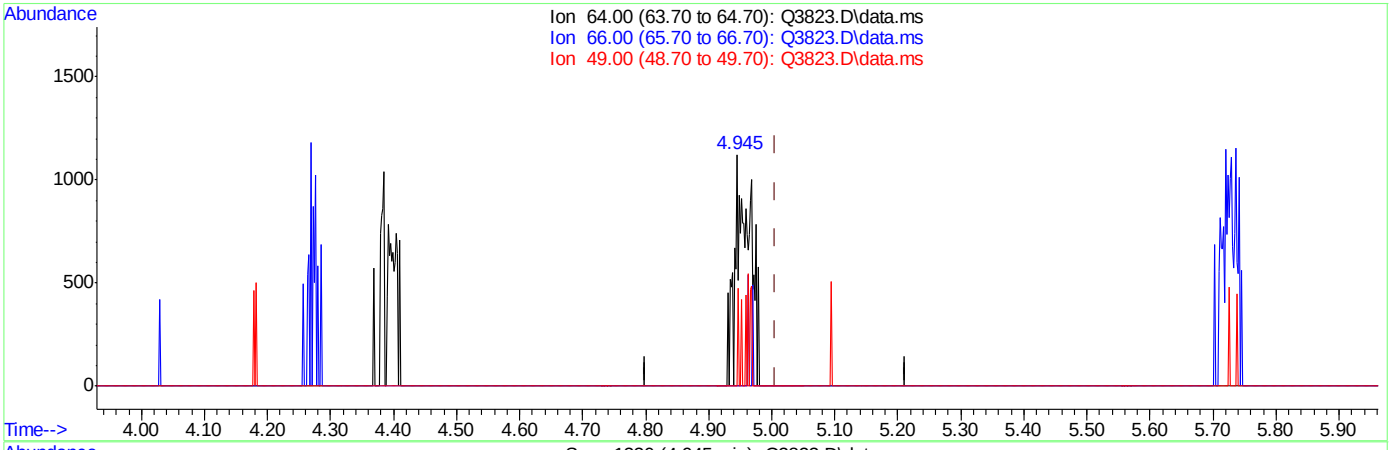
response 1032

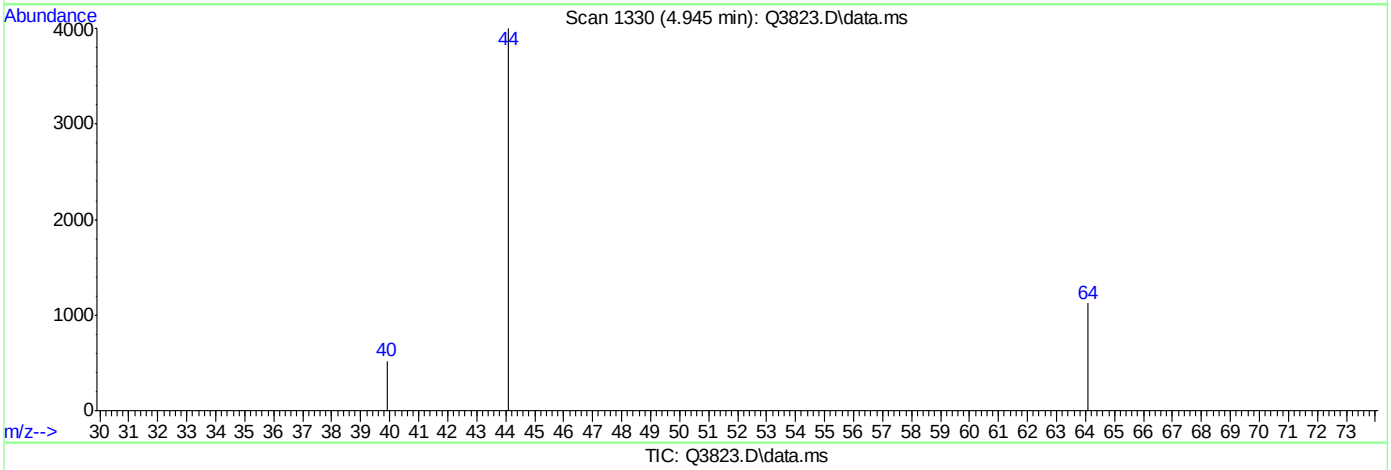
Ion	Exp%	Act%
64.00	100	100
66.00	29.70	0.00#
49.00	36.50	9.30#
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\
Data File : Q3823.D
Acq On : 27 Jun 2007 4:40 pm
Operator : PhilipB
Sample : IC205-.2 (M087)
Misc : MS13820, MSQ205,,,,,1
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Jun 27 17:14:09 2007
Quant Method : C:\msdchem\1\METHODS\Q062507T.m
Quant Title : TO15 by GCMS w/DB-1 60 m X .25 mm ID 1.0 um
QLast Update : Wed Jun 27 16:20:20 2007
Response via : Initial Calibration





TIC: Q3823.D\data.ms

(9) CHLOROETHANE (m)

4.945min (-0.060) 0.21PPBV m

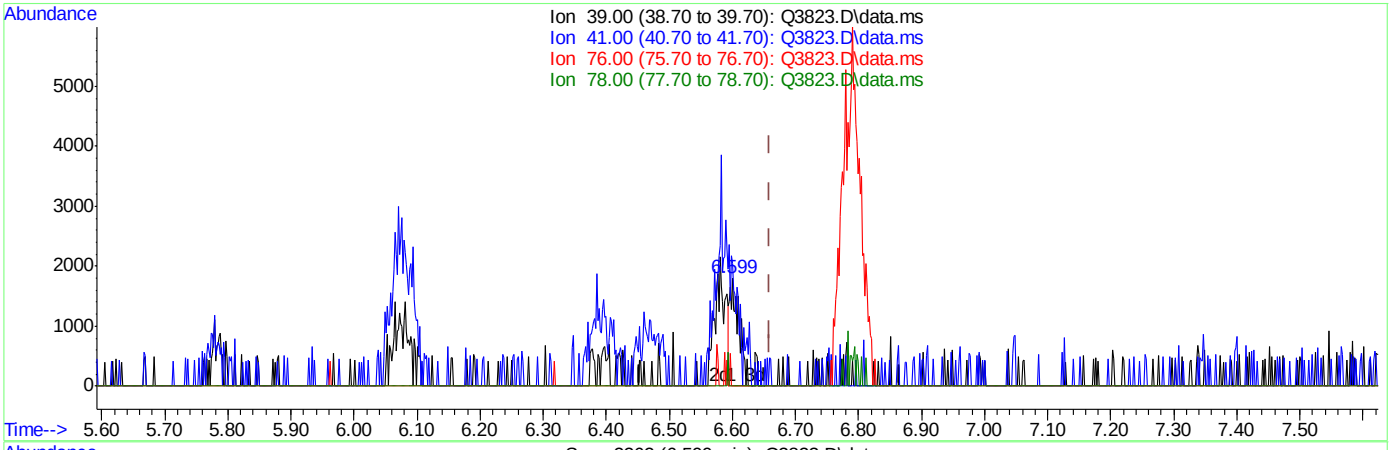
response 1851

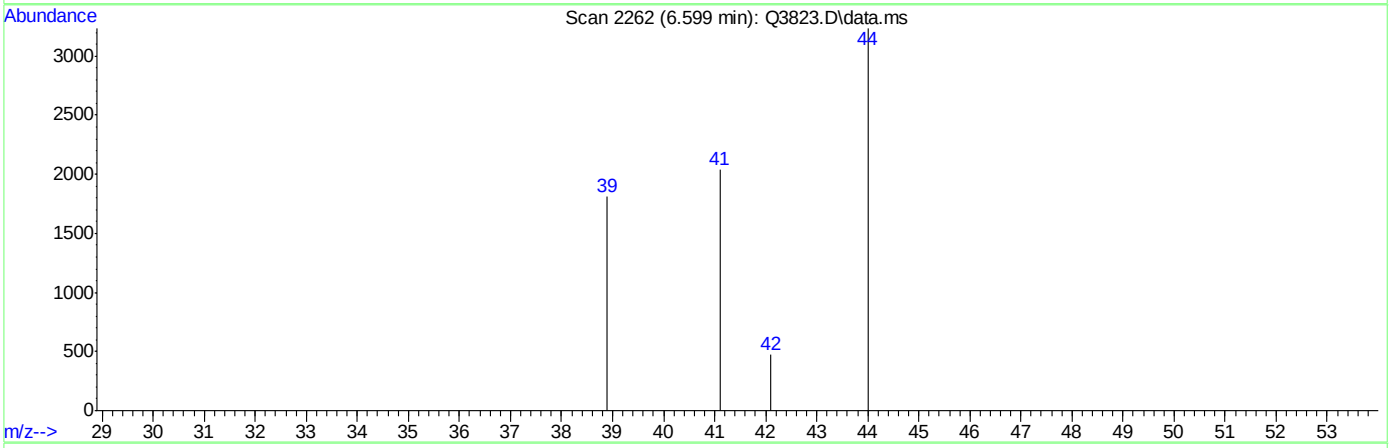
Ion	Exp%	Act%
64.00	100	100
66.00	29.70	0.00#
49.00	36.50	5.19#
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\
Data File : Q3823.D
Acq On : 27 Jun 2007 4:40 pm
Operator : PhilipB
Sample : IC205-.2 (M087)
Misc : MS13820, MSQ205,,,,,1
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Jun 27 17:14:09 2007
Quant Method : C:\msdchem\1\METHODS\Q062507T.m
Quant Title : TO15 by GCMS w/DB-1 60 m X .25 mm ID 1.0 um
QLast Update : Wed Jun 27 16:20:20 2007
Response via : Initial Calibration





TIC: Q3823.D\data.ms

(19) 3-CHLOROPROPENE (m)

6.599min (-0.060) 0.12PPBV

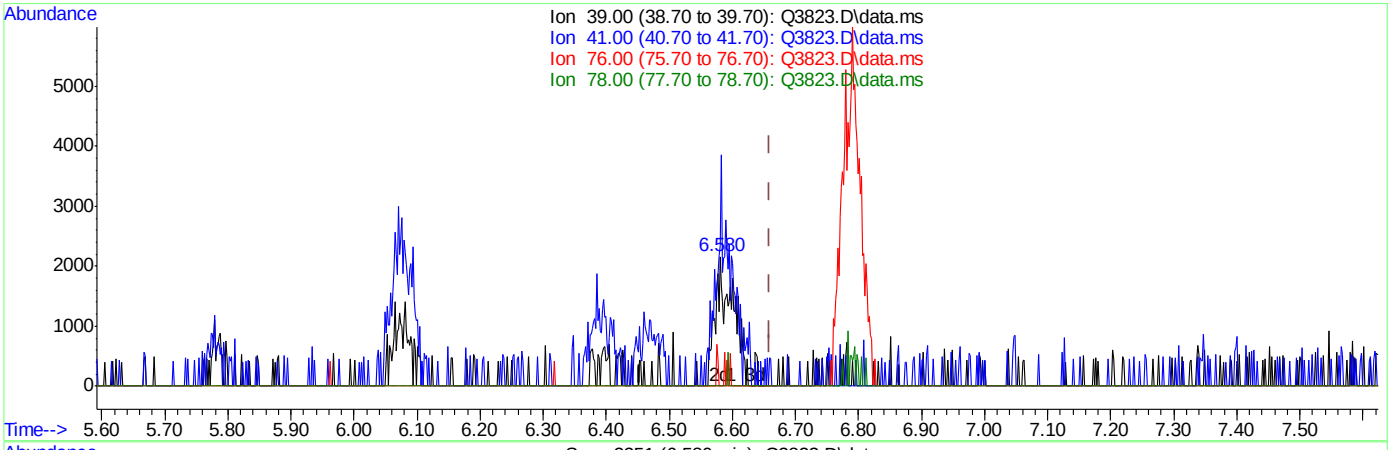
response 1832

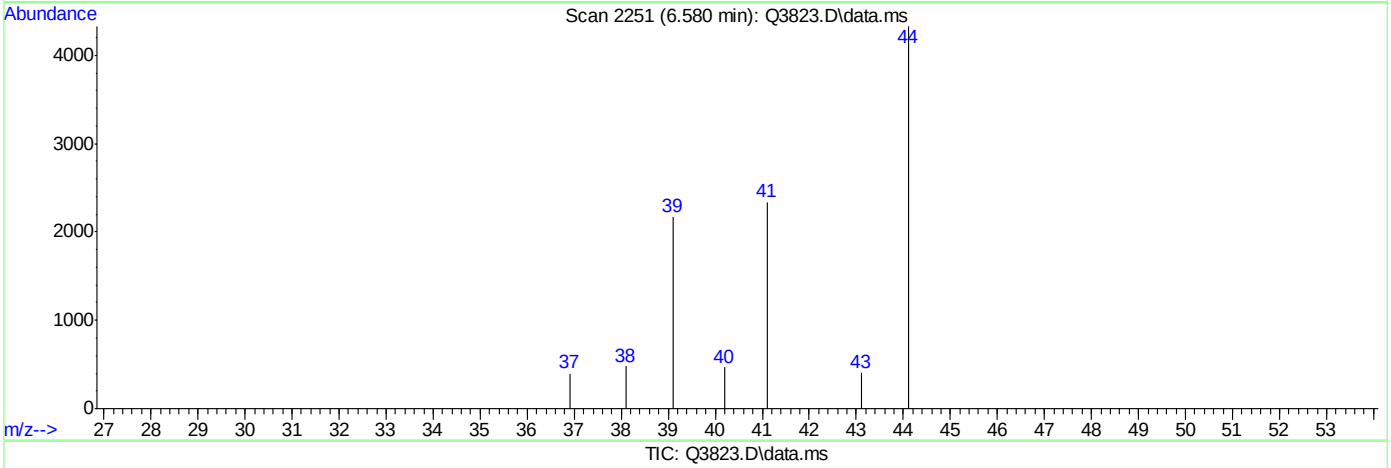
Ion	Exp%	Act%
39.00	100	100
41.00	130.80	0.00#
76.00	38.00	0.00#
78.00	12.20	3.33

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\
Data File : Q3823.D
Acq On : 27 Jun 2007 4:40 pm
Operator : PhilipB
Sample : IC205-.2 (M087)
Misc : MS13820, MSQ205,,,,,1
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Jun 27 17:14:09 2007
Quant Method : C:\msdchem\1\METHODS\Q062507T.m
Quant Title : TO15 by GCMS w/DB-1 60 m X .25 mm ID 1.0 um
QLast Update : Wed Jun 27 16:20:20 2007
Response via : Initial Calibration





TIC: Q3823.D\data.ms

(19) 3-CHLOROPROPENE (m)

6.580min (-0.080) 0.28PPBV m

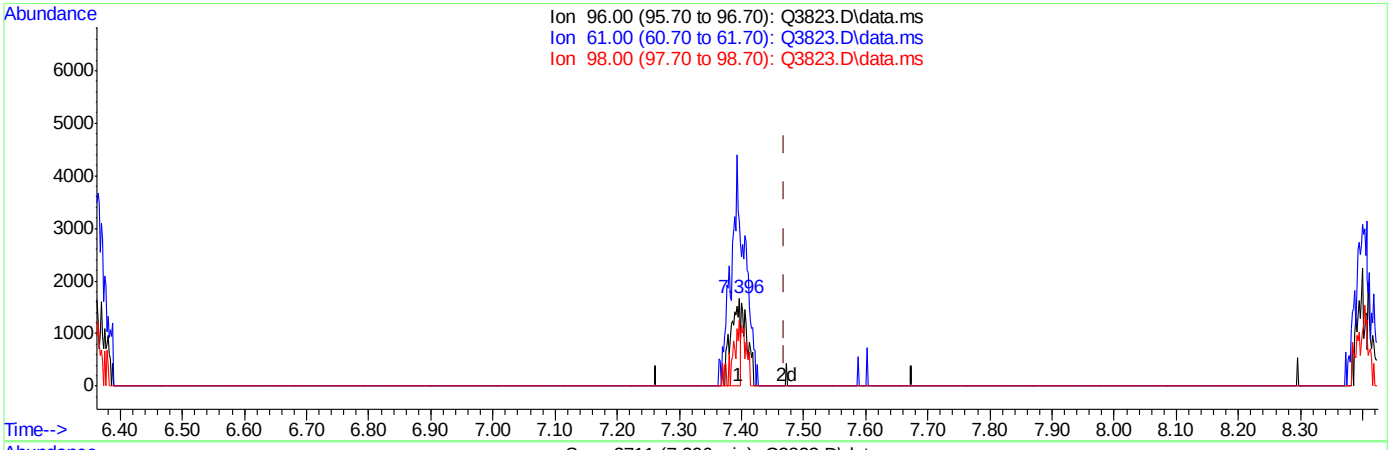
response 4399

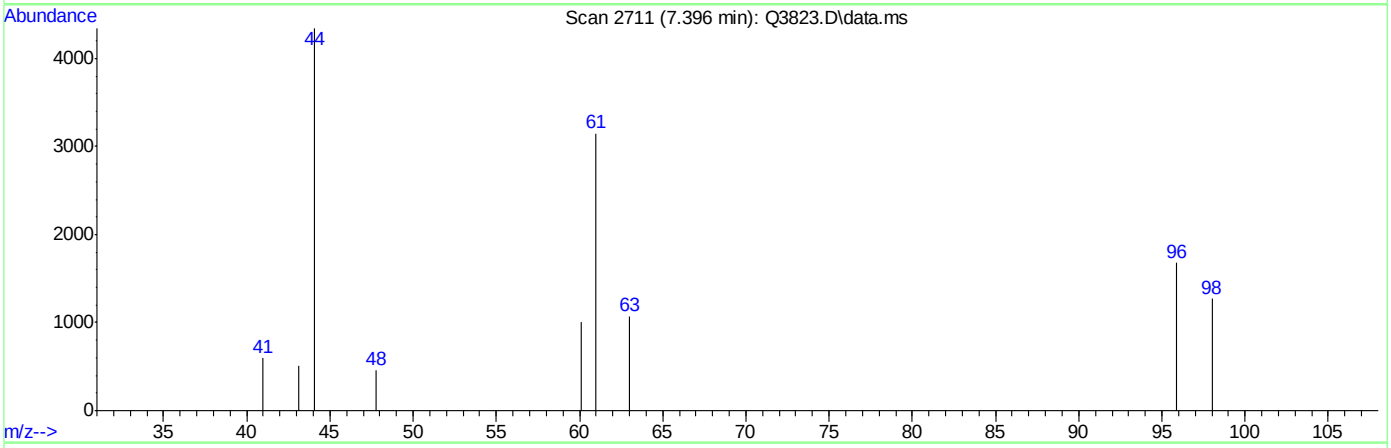
Ion	Exp%	Act%
39.00	100	100
41.00	130.80	0.00#
76.00	38.00	0.00#
78.00	12.20	1.39

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\
Data File : Q3823.D
Acq On : 27 Jun 2007 4:40 pm
Operator : PhilipB
Sample : IC205-.2 (M087)
Misc : MS13820, MSQ205,,,,,1
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Jun 27 17:14:09 2007
Quant Method : C:\msdchem\1\METHODS\Q062507T.m
Quant Title : TO15 by GCMS w/DB-1 60 m X .25 mm ID 1.0 um
QLast Update : Wed Jun 27 16:20:20 2007
Response via : Initial Calibration





TIC: Q3823.D\data.ms

(21) TRANS-1,2-DICHLOROETHYLENE (m)

7.396min (-0.073) 0.12PPBV

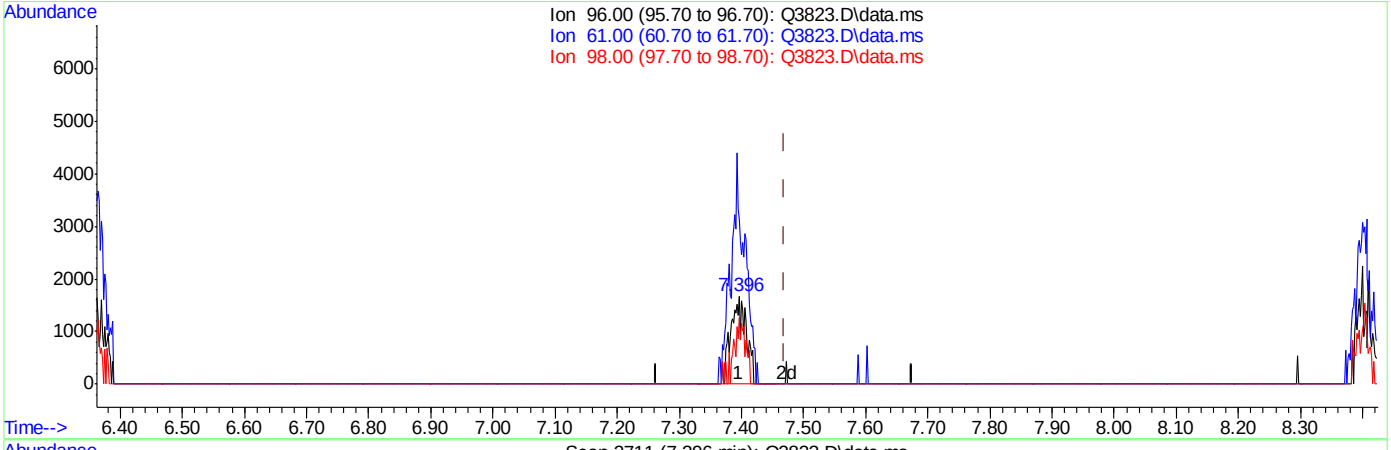
response 1717

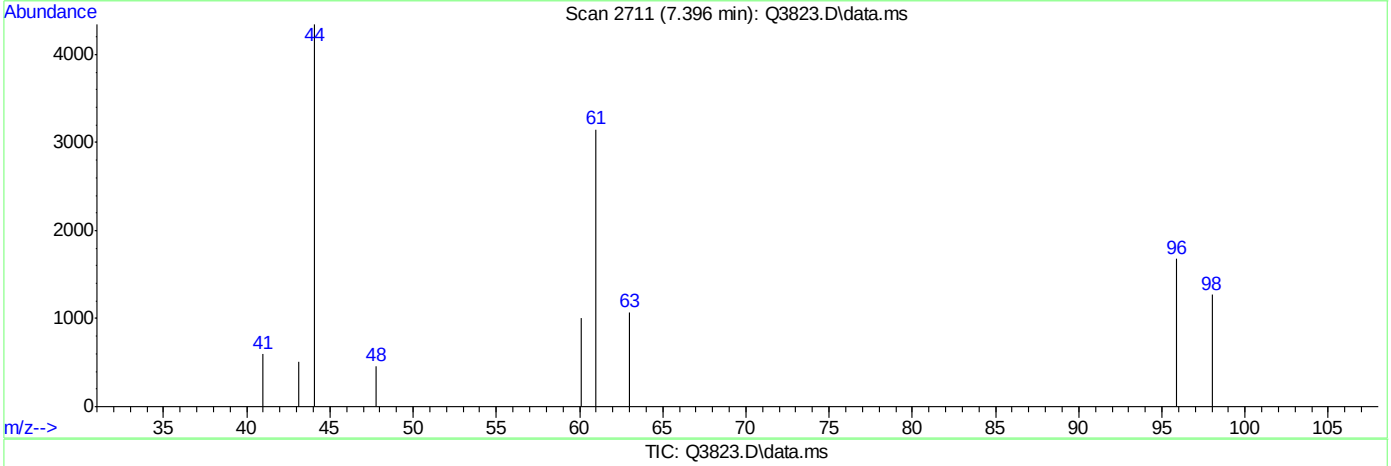
Ion	Exp%	Act%
96.00	100	100
61.00	181.00	395.28#
98.00	63.30	87.83#
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\
Data File : Q3823.D
Acq On : 27 Jun 2007 4:40 pm
Operator : PhilipB
Sample : IC205-.2 (M087)
Misc : MS13820, MSQ205,,,,,1
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Jun 27 17:14:09 2007
Quant Method : C:\msdchem\1\METHODS\Q062507T.m
Quant Title : TO15 by GCMS w/DB-1 60 m X .25 mm ID 1.0 um
QLast Update : Wed Jun 27 16:20:20 2007
Response via : Initial Calibration





TIC: Q3823.D\data.ms

(21) TRANS-1,2-DICHLOROETHYLENE (m)

7.396min (-0.073) 0.21PPBV m

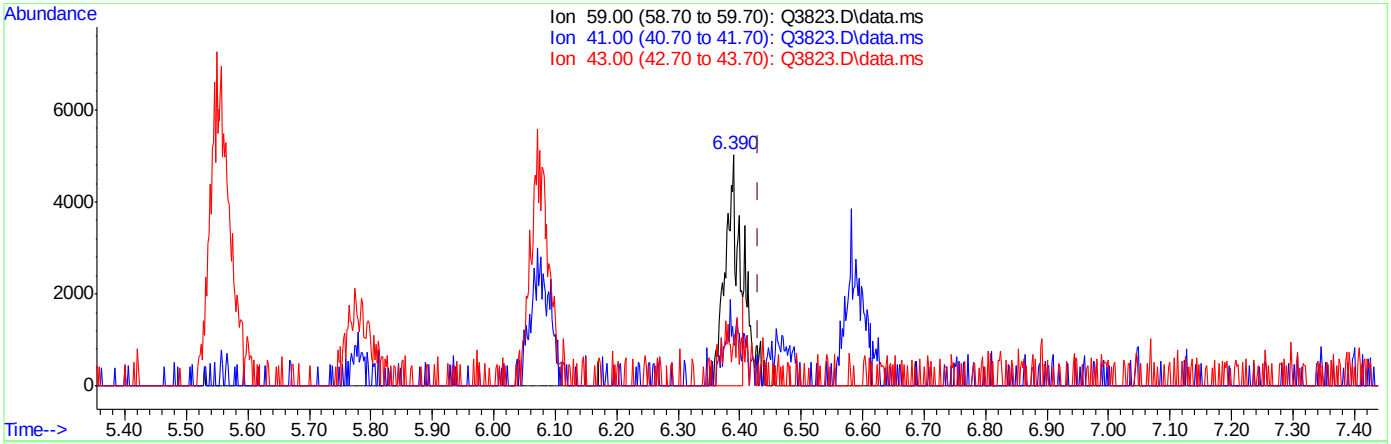
response 2844

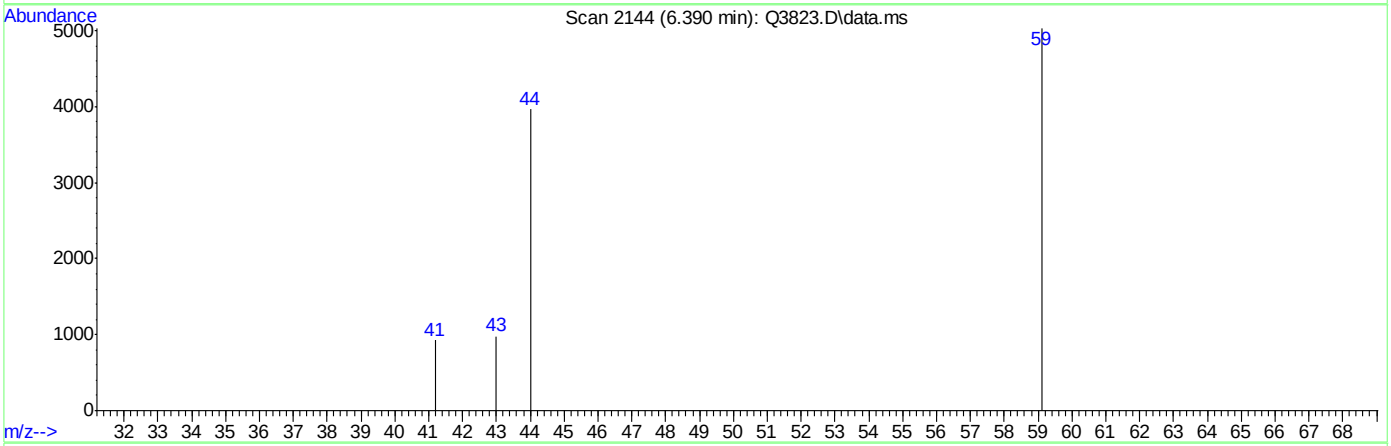
Ion	Exp%	Act%
96.00	100	100
61.00	181.00	238.64#
98.00	63.30	53.02
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\
Data File : Q3823.D
Acq On : 27 Jun 2007 4:40 pm
Operator : PhilipB
Sample : IC205-.2 (M087)
Misc : MS13820, MSQ205,,,,,1
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Jun 27 17:14:09 2007
Quant Method : C:\msdchem\1\METHODS\Q062507T.m
Quant Title : TO15 by GCMS w/DB-1 60 m X .25 mm ID 1.0 um
QLast Update : Wed Jun 27 16:20:20 2007
Response via : Initial Calibration





TIC: Q3823.D\data.ms

(22) TERTIARY BUTYL ALCOHOL (m)

6.390min (-0.041) 0.18PPBV

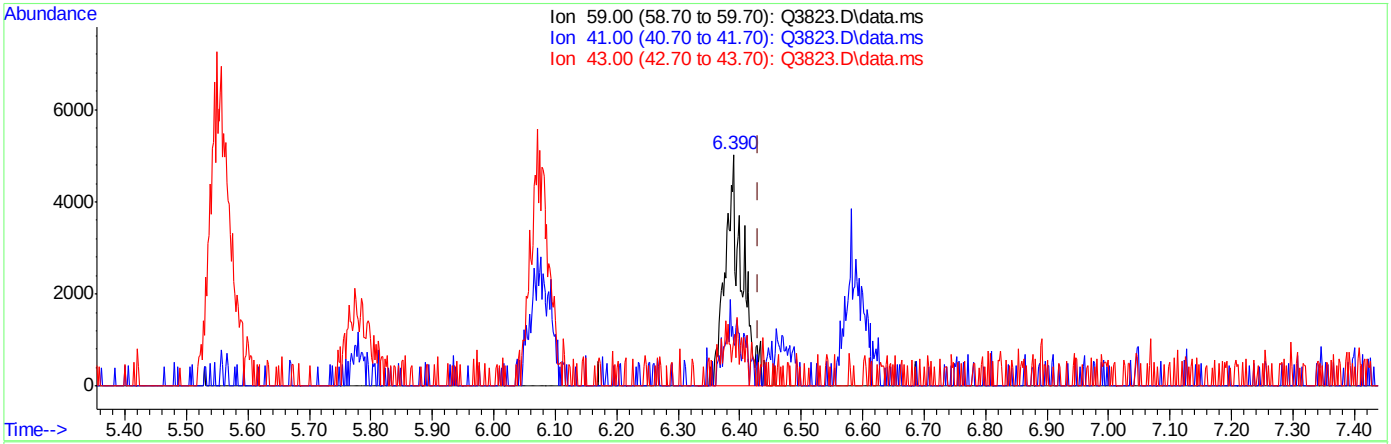
response 6994

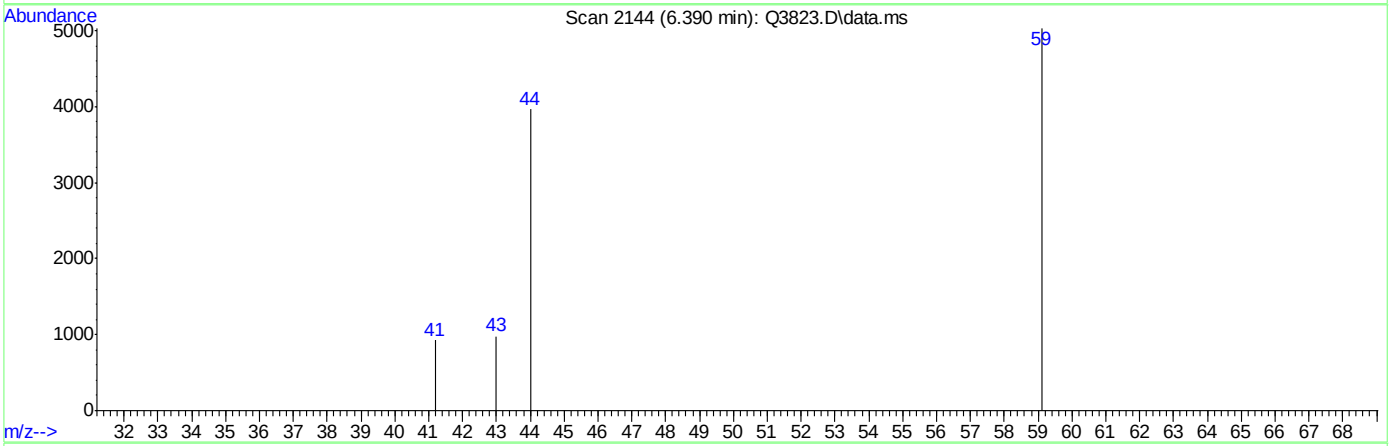
Ion	Exp%	Act%
59.00	100	100
41.00	16.40	32.34
43.00	13.40	17.93
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\
Data File : Q3823.D
Acq On : 27 Jun 2007 4:40 pm
Operator : PhilipB
Sample : IC205-.2 (M087)
Misc : MS13820, MSQ205,,,,,1
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Jun 27 17:14:09 2007
Quant Method : C:\msdchem\1\METHODS\Q062507T.m
Quant Title : TO15 by GCMS w/DB-1 60 m X .25 mm ID 1.0 um
QLast Update : Wed Jun 27 16:20:20 2007
Response via : Initial Calibration





TIC: Q3823.D\data.ms

(22) TERTIARY BUTYL ALCOHOL (m)

6.390min (-0.041) 0.24PPBV m

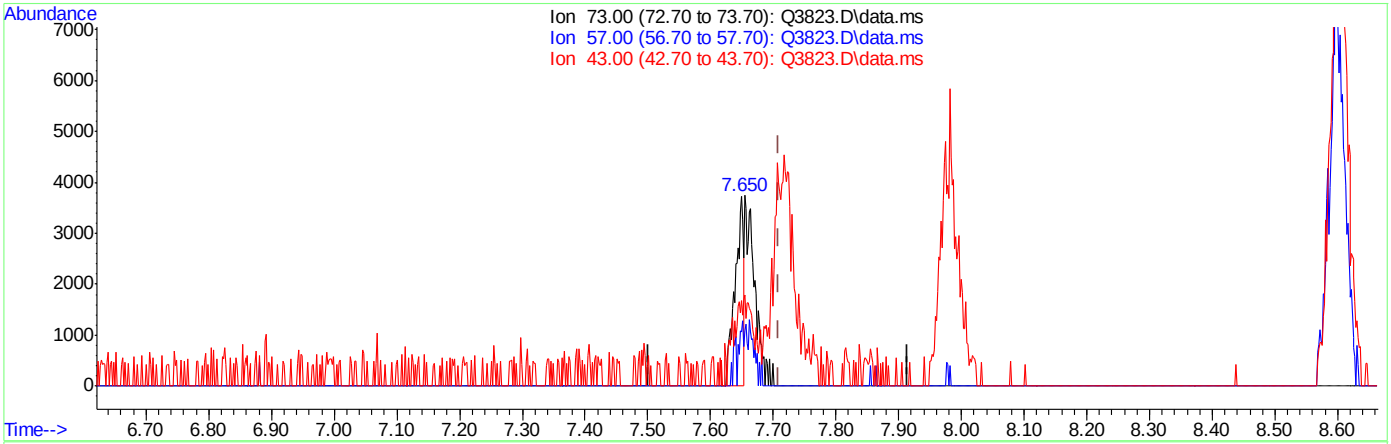
response 9625

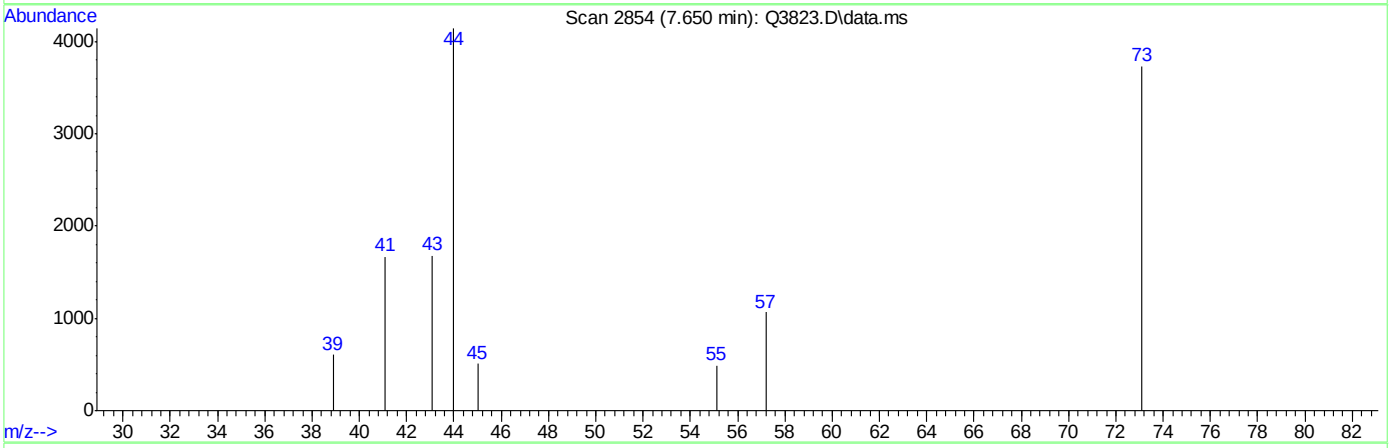
Ion	Exp%	Act%
59.00	100	100
41.00	16.40	23.50
43.00	13.40	13.03
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\
Data File : Q3823.D
Acq On : 27 Jun 2007 4:40 pm
Operator : PhilipB
Sample : IC205-.2 (M087)
Misc : MS13820, MSQ205,,,,,1
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Jun 27 17:14:09 2007
Quant Method : C:\msdchem\1\METHODS\Q062507T.m
Quant Title : TO15 by GCMS w/DB-1 60 m X .25 mm ID 1.0 um
QLast Update : Wed Jun 27 16:20:20 2007
Response via : Initial Calibration





TIC: Q3823.D\data.ms

(23) METHYL TERTIARY BUTYL ETHER (m)

7.650min (-0.059) 0.11PPBV

response 3422

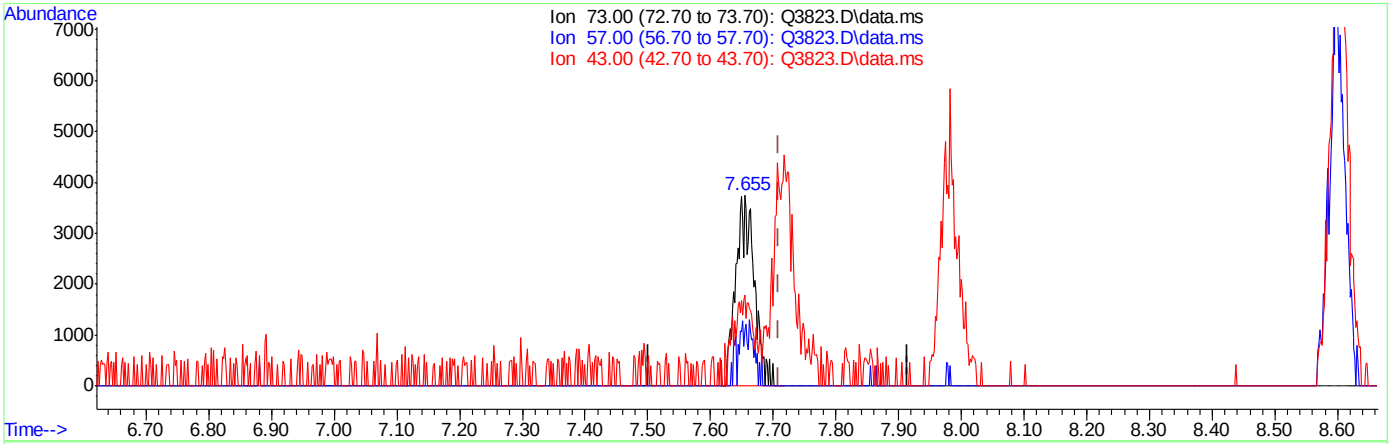
Ion	Exp%	Act%
73.00	100	100
57.00	26.00	39.51
43.00	25.90	110.81#
0.00	0.00	0.00

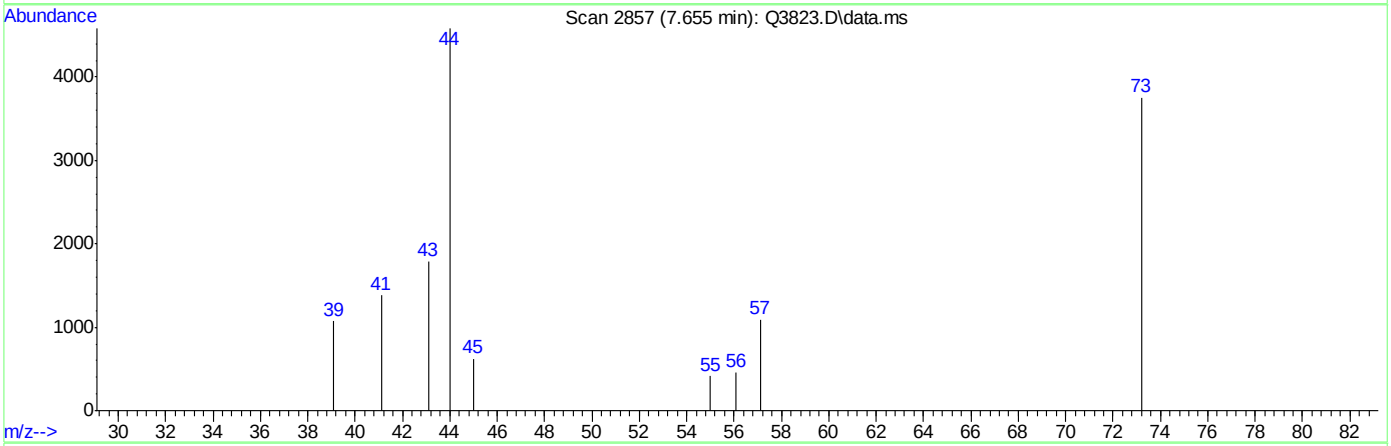
ACCUTEST Laboratories M65795R

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\
Data File : Q3823.D
Acq On : 27 Jun 2007 4:40 pm
Operator : PhilipB
Sample : IC205-.2 (M087)
Misc : MS13820, MSQ205,,,,,1
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Jun 27 17:14:09 2007
Quant Method : C:\msdchem\1\METHODS\Q062507T.m
Quant Title : TO15 by GCMS w/DB-1 60 m X .25 mm ID 1.0 um
QLast Update : Wed Jun 27 16:20:20 2007
Response via : Initial Calibration





TIC: Q3823.D\data.ms

(23) METHYL TERTIARY BUTYL ETHER (m)

7.655min (-0.053) 0.23PPBV m

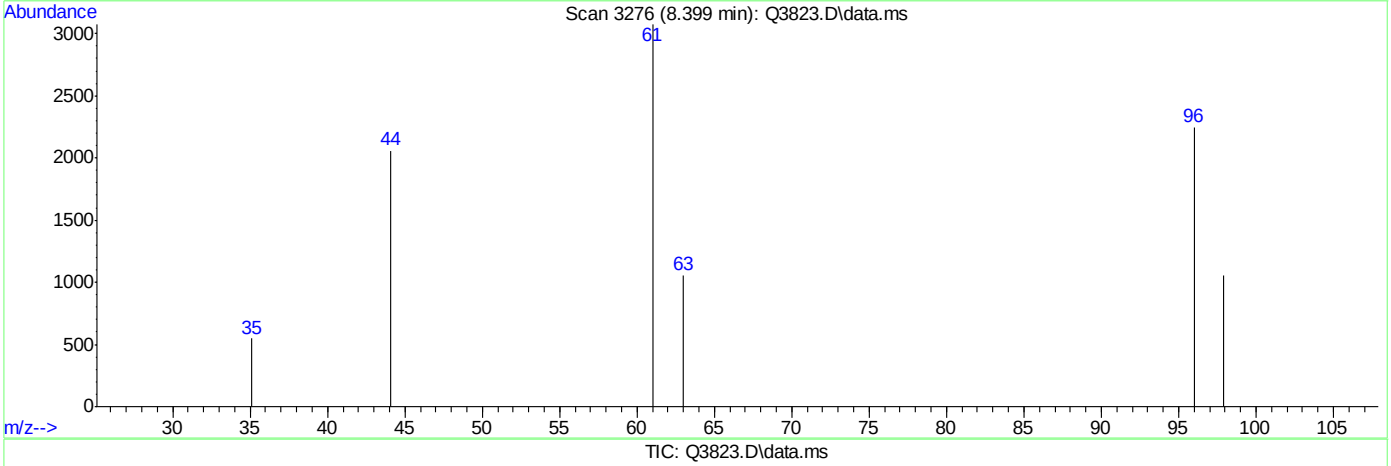
response 7565

Ion	Exp%	Act%
73.00	100	100
57.00	26.00	17.87
43.00	25.90	50.13#
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\
Data File : Q3823.D
Acq On : 27 Jun 2007 4:40 pm
Operator : PhilipB
Sample : IC205-.2 (M087)
Misc : MS13820, MSQ205,,,,,1
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Jun 27 17:14:09 2007
Quant Method : C:\msdchem\1\METHODS\Q062507T.m
Quant Title : TO15 by GCMS w/DB-1 60 m X .25 mm ID 1.0 um
QLast Update : Wed Jun 27 16:20:20 2007
Response via : Initial Calibration



TIC: Q3823.D\data.ms

(29) cis-1,2-DICHLOROETHYLENE (m)

8.399min (-0.075) 0.13PPBV

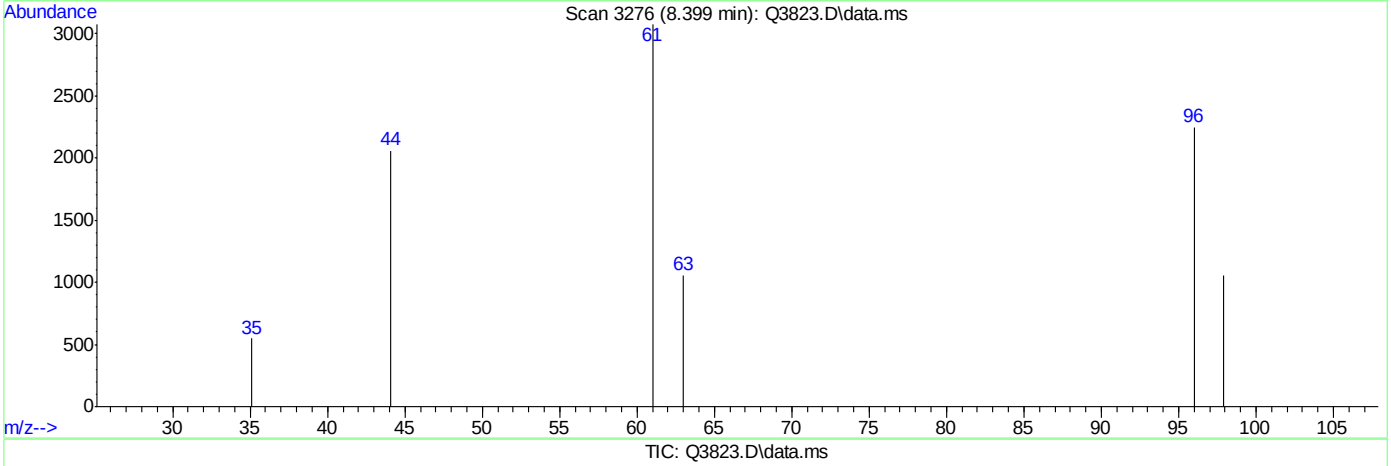
response 1824

Ion	Exp%	Act%
96.00	100	100
98.00	63.40	99.18#
61.00	186.90	287.28#
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\
Data File : Q3823.D
Acq On : 27 Jun 2007 4:40 pm
Operator : PhilipB
Sample : IC205-.2 (M087)
Misc : MS13820, MSQ205,,,,,1
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Jun 27 17:14:09 2007
Quant Method : C:\msdchem\1\METHODS\Q062507T.m
Quant Title : TO15 by GCMS w/DB-1 60 m X .25 mm ID 1.0 um
QLast Update : Wed Jun 27 16:20:20 2007
Response via : Initial Calibration



TIC: Q3823.D\data.ms

(29) cis-1,2-DICHLOROETHYLENE (m)

8.399min (-0.075) 0.20PPBV m

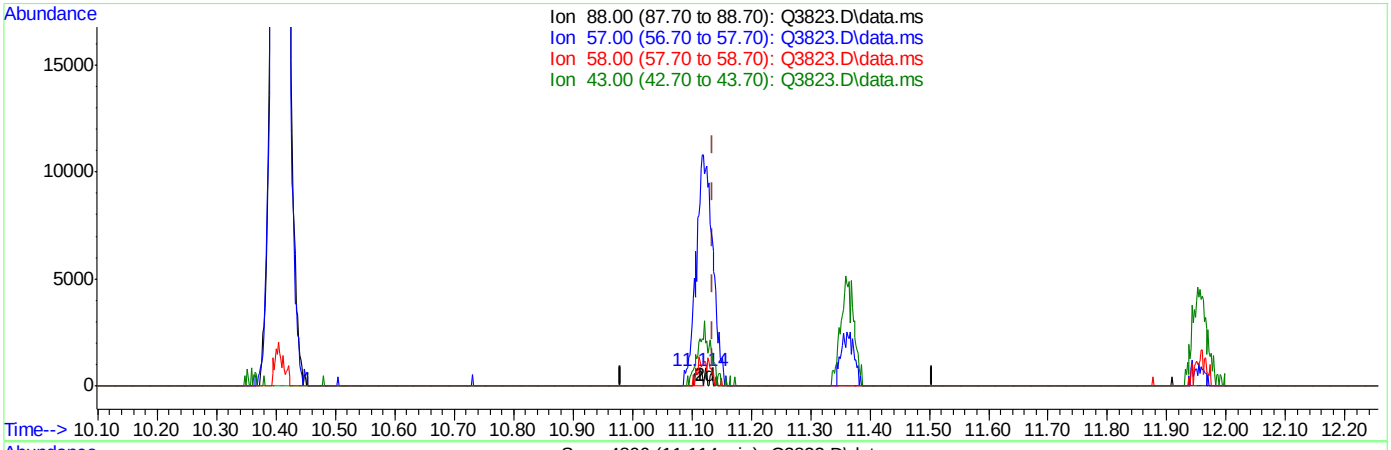
response 2724

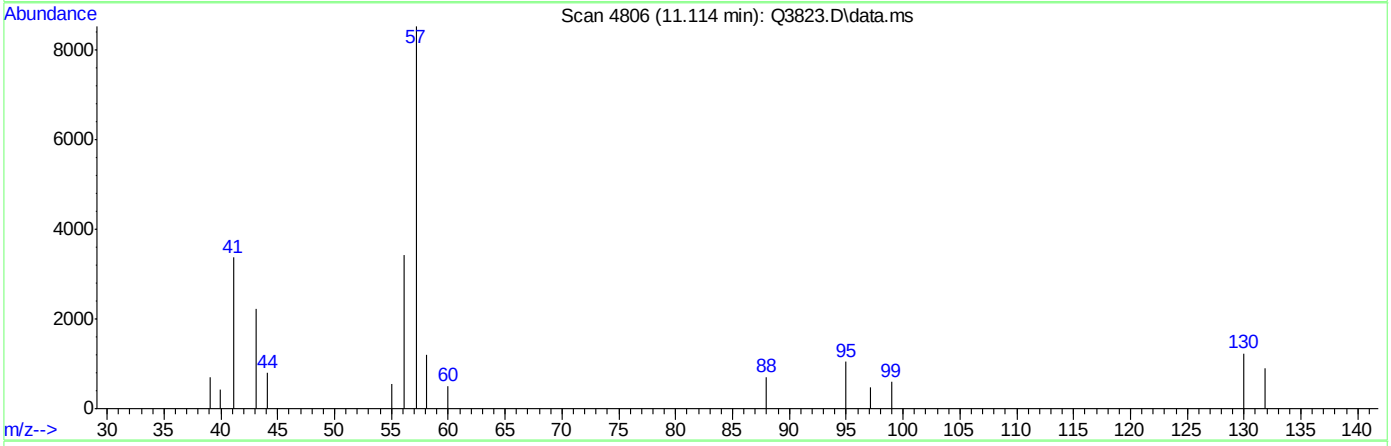
Ion	Exp%	Act%
96.00	100	100
98.00	63.40	66.41
61.00	186.90	192.36
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\
Data File : Q3823.D
Acq On : 27 Jun 2007 4:40 pm
Operator : PhilipB
Sample : IC205-.2 (M087)
Misc : MS13820, MSQ205,,,,,1
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Jun 27 17:14:09 2007
Quant Method : C:\msdchem\1\METHODS\Q062507T.m
Quant Title : TO15 by GCMS w/DB-1 60 m X .25 mm ID 1.0 um
QLast Update : Wed Jun 27 16:20:20 2007
Response via : Initial Calibration





TIC: Q3823.D\data.ms

(42) 1,4-DIOXANE (m)

11.114min (-0.021) 0.09PPBV

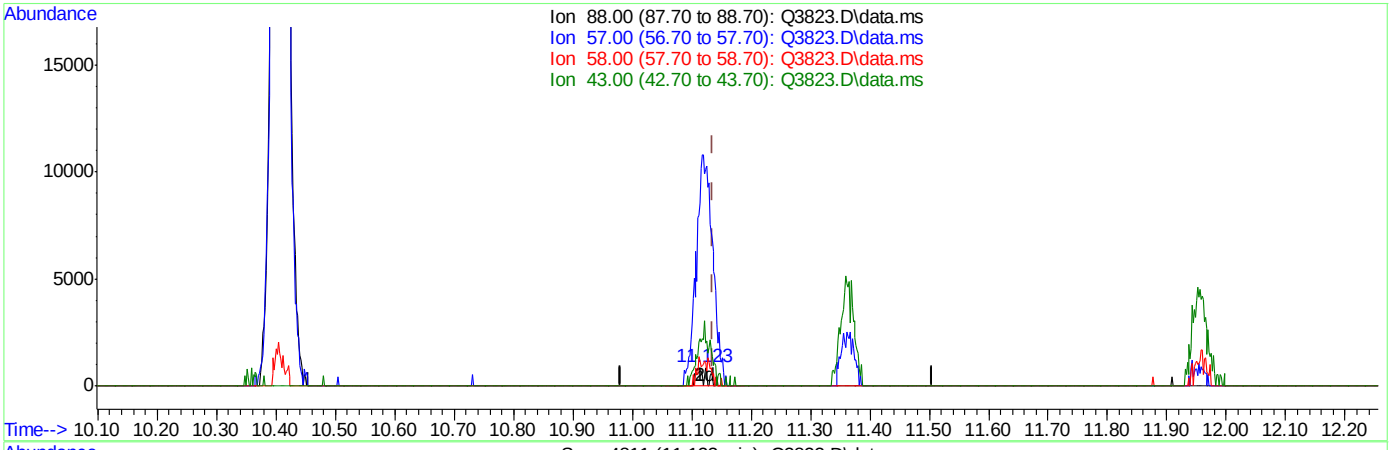
response 580

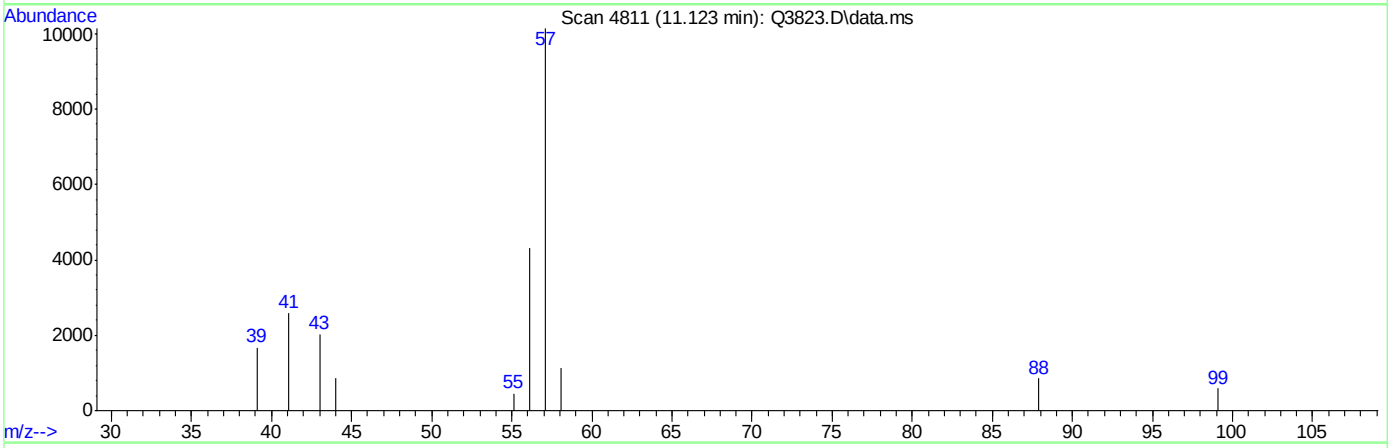
Ion	Exp%	Act%
88.00	100	100
57.00	45.40	1197.19#
58.00	84.10	167.32#
43.00	40.20	310.94#

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\
Data File : Q3823.D
Acq On : 27 Jun 2007 4:40 pm
Operator : PhilipB
Sample : IC205-.2 (M087)
Misc : MS13820, MSQ205,,,,,1
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Jun 27 17:14:09 2007
Quant Method : C:\msdchem\1\METHODS\Q062507T.m
Quant Title : TO15 by GCMS w/DB-1 60 m X .25 mm ID 1.0 um
QLast Update : Wed Jun 27 16:20:20 2007
Response via : Initial Calibration





(42) 1,4-DIOXANE (m)

11.123min (-0.012) 0.15PPBV m

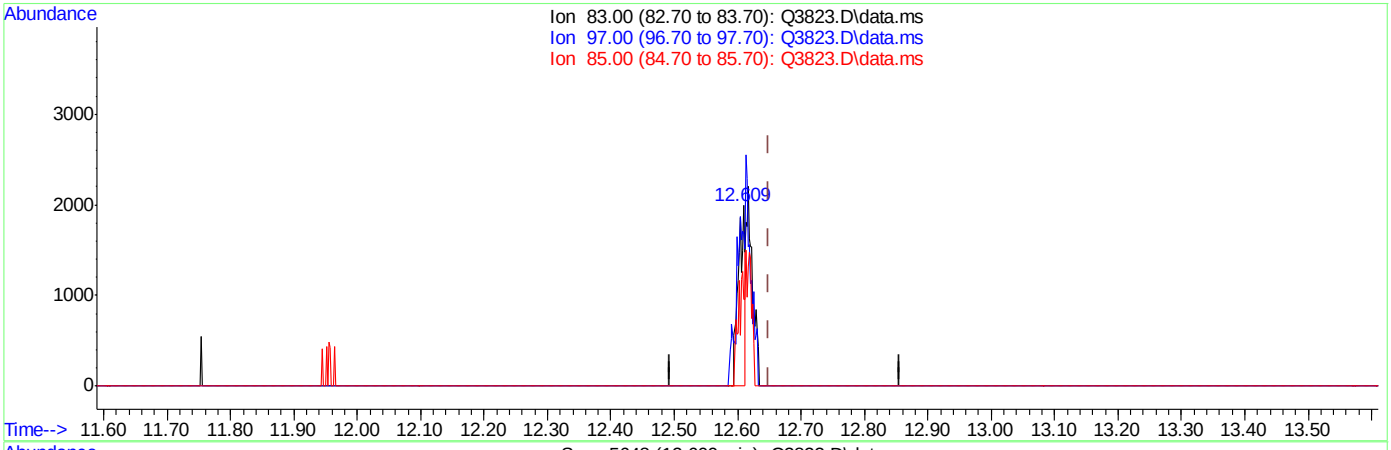
response 948

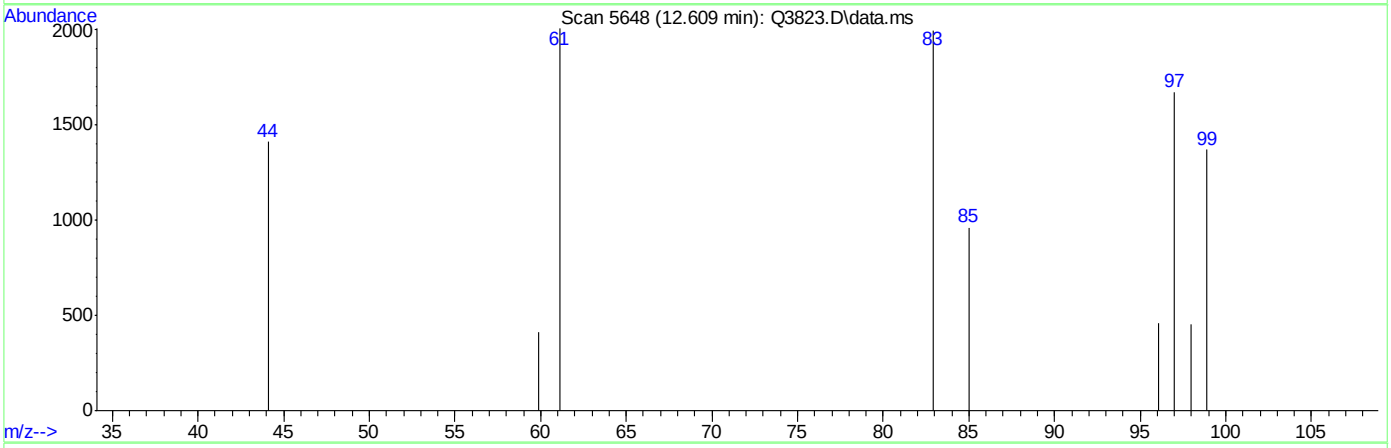
Ion	Exp%	Act%
88.00	100	100
57.00	45.40	1181.82#
58.00	84.10	130.65#
43.00	40.20	236.36#

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\
Data File : Q3823.D
Acq On : 27 Jun 2007 4:40 pm
Operator : PhilipB
Sample : IC205-.2 (M087)
Misc : MS13820, MSQ205,,,,,1
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Jun 27 17:14:09 2007
Quant Method : C:\msdchem\1\METHODS\Q062507T.m
Quant Title : TO15 by GCMS w/DB-1 60 m X .25 mm ID 1.0 um
QLast Update : Wed Jun 27 16:20:20 2007
Response via : Initial Calibration





TIC: Q3823.D\data.ms

(48) 1,1,2-TRICHLOROETHANE (m)

12.609min (-0.041) 0.10PPBV

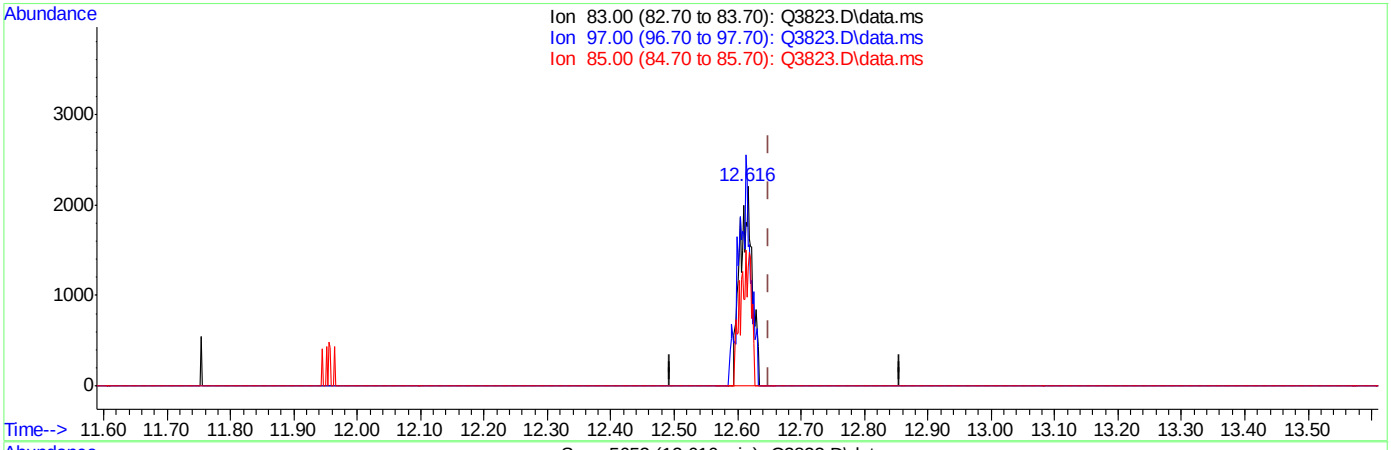
response 1387

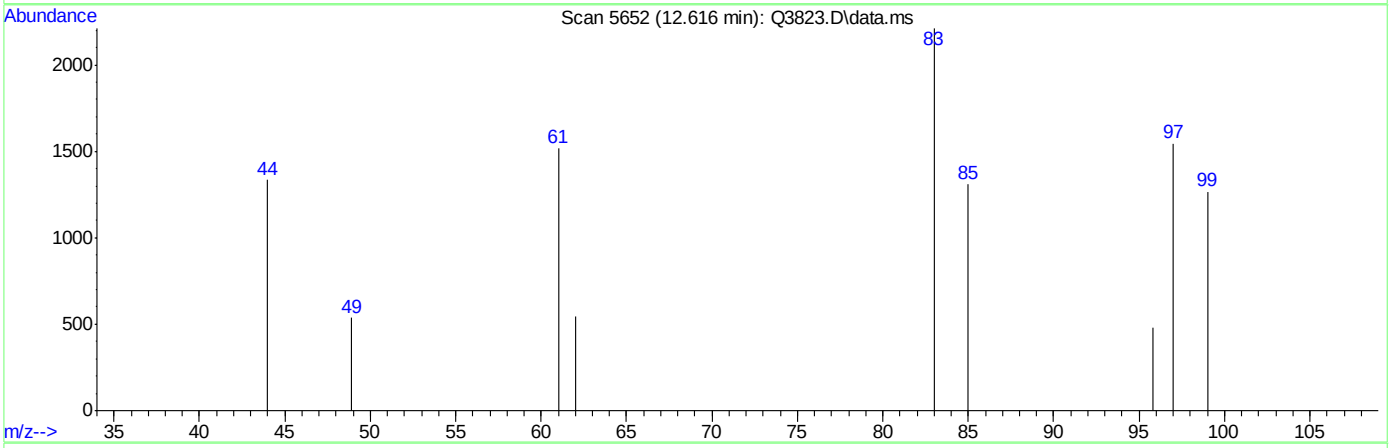
Ion	Exp%	Act%
83.00	100	100
97.00	113.20	227.47#
85.00	64.40	129.06#
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\
Data File : Q3823.D
Acq On : 27 Jun 2007 4:40 pm
Operator : PhilipB
Sample : IC205-.2 (M087)
Misc : MS13820, MSQ205,,,,,1
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Jun 27 17:14:09 2007
Quant Method : C:\msdchem\1\METHODS\Q062507T.m
Quant Title : TO15 by GCMS w/DB-1 60 m X .25 mm ID 1.0 um
QLast Update : Wed Jun 27 16:20:20 2007
Response via : Initial Calibration





TIC: Q3823.D\data.ms

(48) 1,1,2-TRICHLOROETHANE (m)

12.616min (-0.034) 0.22PPBV m

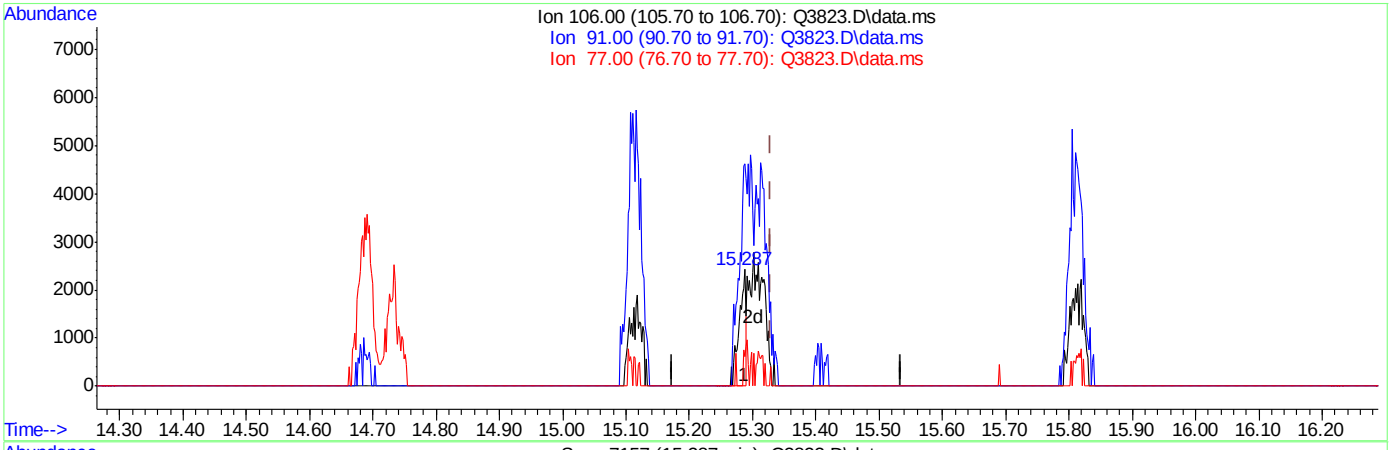
response 2943

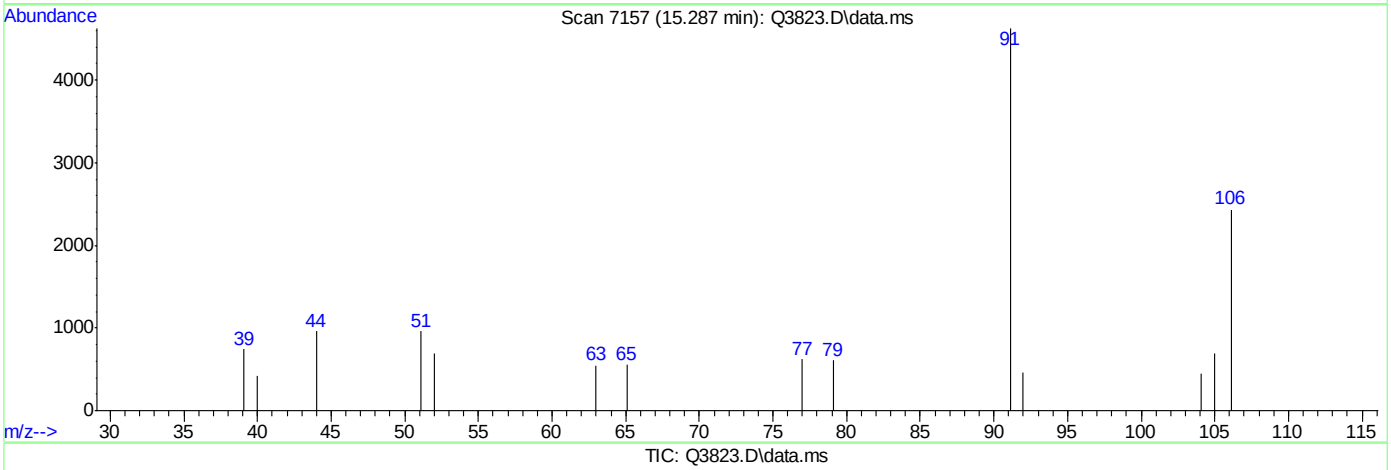
Ion	Exp%	Act%
83.00	100	100
97.00	113.20	107.20
85.00	64.40	60.82
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\
Data File : Q3823.D
Acq On : 27 Jun 2007 4:40 pm
Operator : PhilipB
Sample : IC205-.2 (M087)
Misc : MS13820, MSQ205,,,,,1
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Jun 27 17:14:09 2007
Quant Method : C:\msdchem\1\METHODS\Q062507T.m
Quant Title : TO15 by GCMS w/DB-1 60 m X .25 mm ID 1.0 um
QLast Update : Wed Jun 27 16:20:20 2007
Response via : Initial Calibration





TIC: Q3823.D\data.ms

(56) m,p-XYLENE (m)

15.287min (-0.042) 0.11PPBV

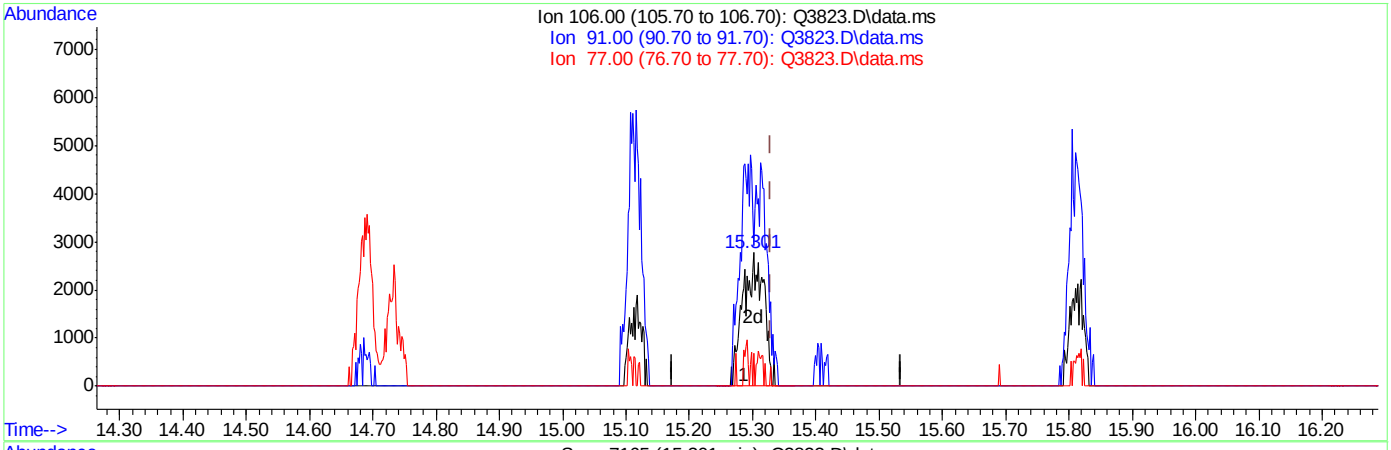
response 1768

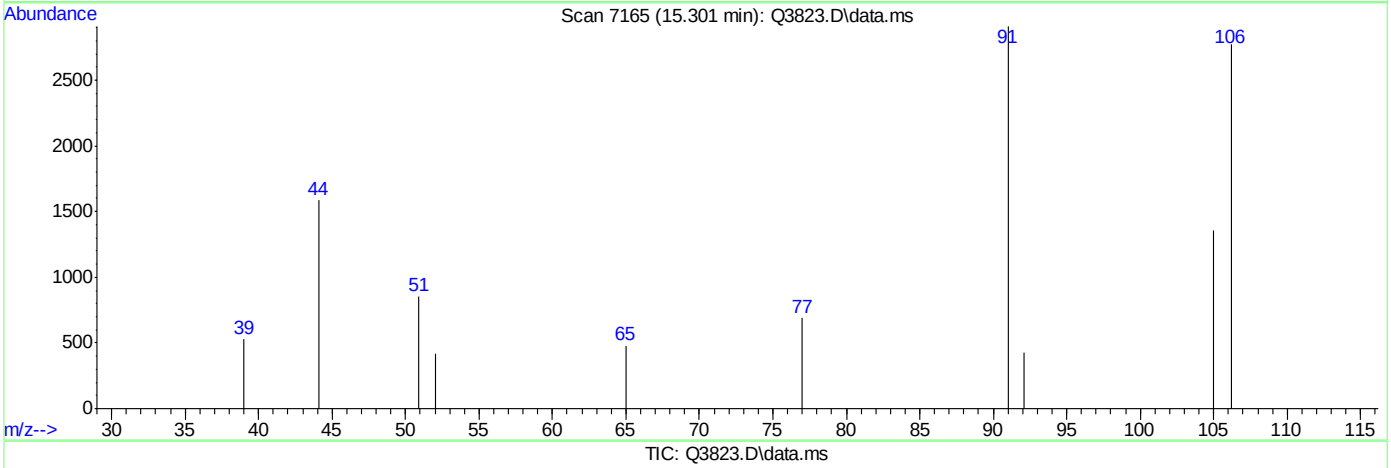
Ion	Exp%	Act%
106.00	100	100
91.00	201.30	190.49
77.00	27.30	25.58
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\
Data File : Q3823.D
Acq On : 27 Jun 2007 4:40 pm
Operator : PhilipB
Sample : IC205-.2 (M087)
Misc : MS13820, MSQ205,,,,,1
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Jun 27 17:14:09 2007
Quant Method : C:\msdchem\1\METHODS\Q062507T.m
Quant Title : TO15 by GCMS w/DB-1 60 m X .25 mm ID 1.0 um
QLast Update : Wed Jun 27 16:20:20 2007
Response via : Initial Calibration





TIC: Q3823.D\data.ms

(56) m,p-XYLENE (m)

15.301min (-0.028) 0.38PPBV m

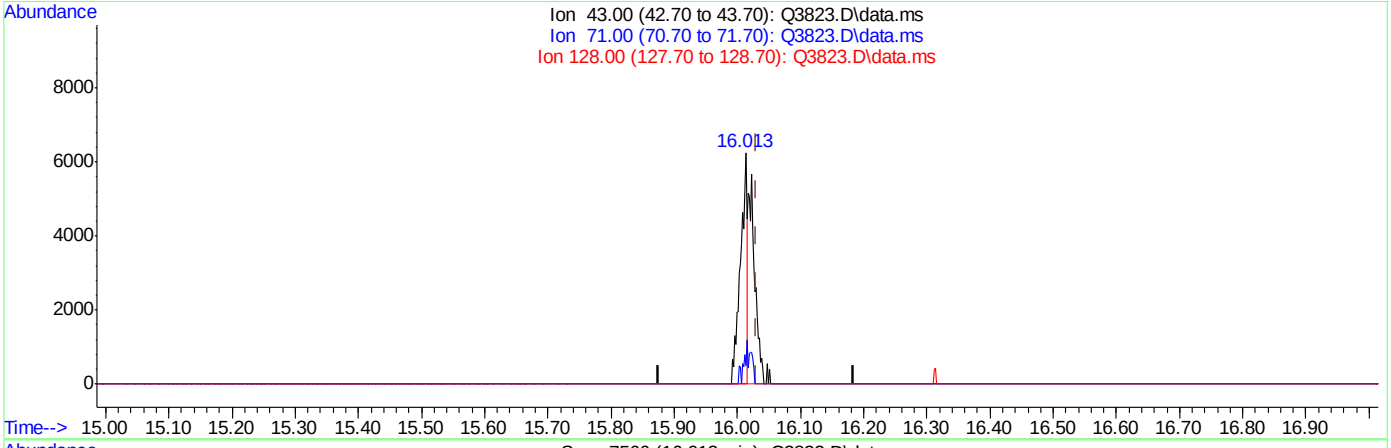
response 6263

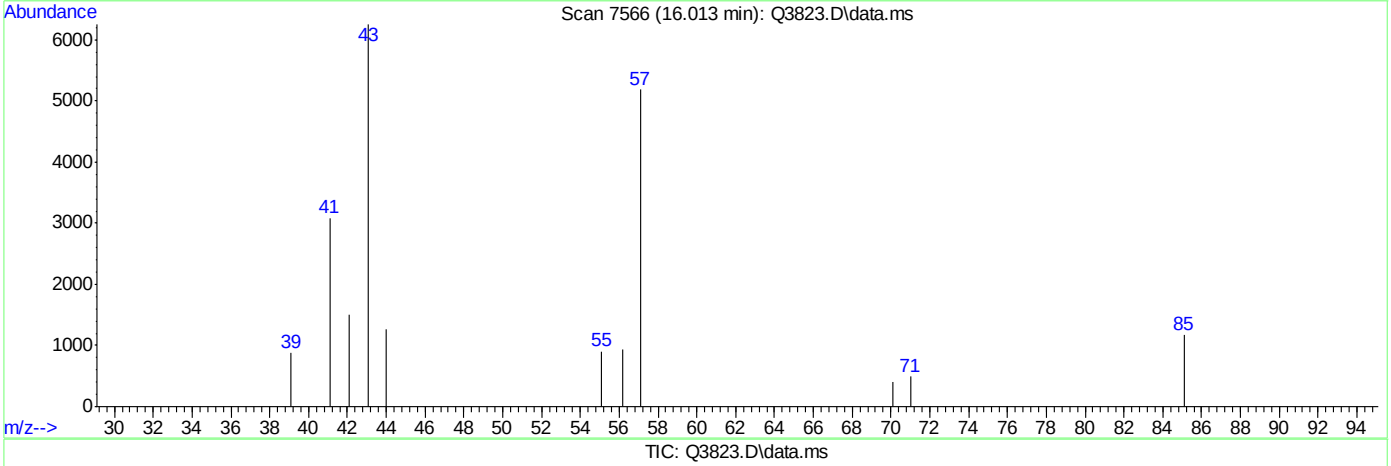
Ion	Exp%	Act%
106.00	100	100
91.00	201.30	104.90#
77.00	27.30	24.81
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\
Data File : Q3823.D
Acq On : 27 Jun 2007 4:40 pm
Operator : PhilipB
Sample : IC205-.2 (M087)
Misc : MS13820, MSQ205,,,,,1
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Jun 27 17:14:09 2007
Quant Method : C:\msdchem\1\METHODS\Q062507T.m
Quant Title : TO15 by GCMS w/DB-1 60 m X .25 mm ID 1.0 um
QLast Update : Wed Jun 27 16:20:20 2007
Response via : Initial Calibration





TIC: Q3823.D\data.ms

(59) NONANE (m)

16.013min (-0.018) 0.10PPBV

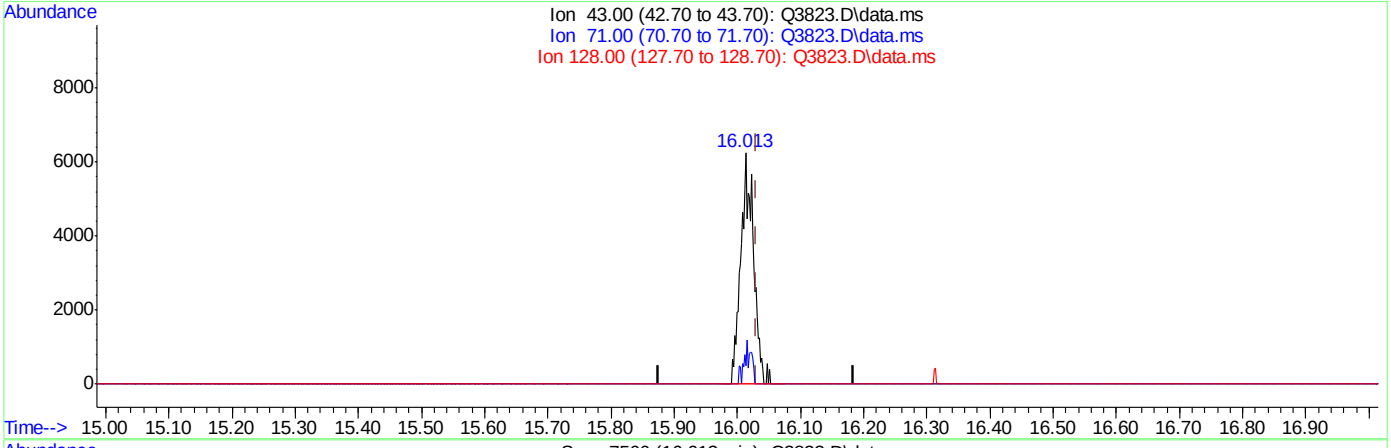
response 4493

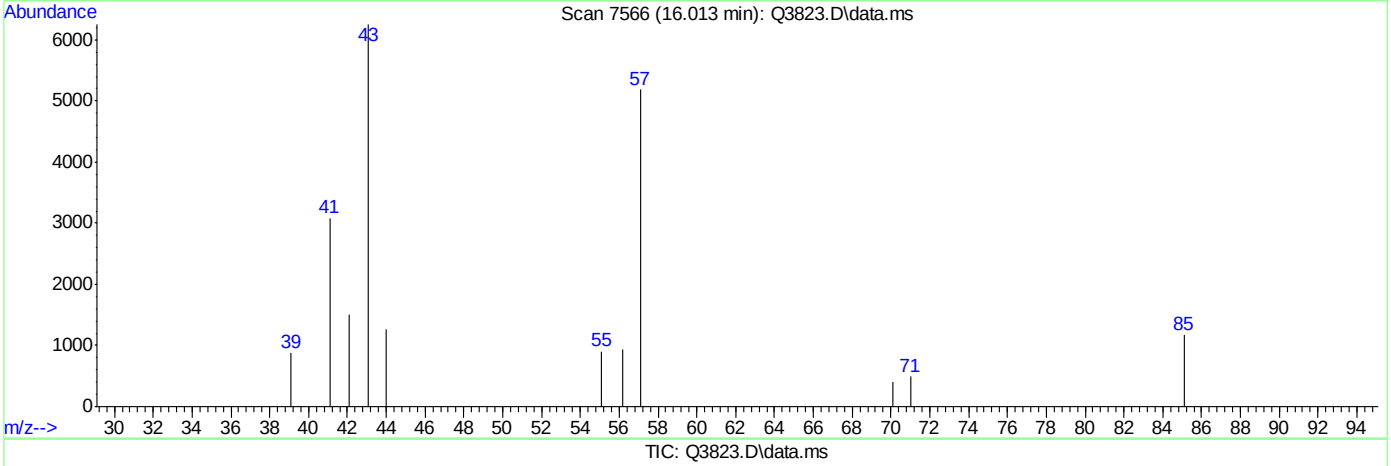
Ion	Exp%	Act%
43.00	100	100
71.00	19.00	20.48
128.00	3.70	0.00
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\
Data File : Q3823.D
Acq On : 27 Jun 2007 4:40 pm
Operator : PhilipB
Sample : IC205-.2 (M087)
Misc : MS13820, MSQ205,,,,,1
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Jun 27 17:14:09 2007
Quant Method : C:\msdchem\1\METHODS\Q062507T.m
Quant Title : TO15 by GCMS w/DB-1 60 m X .25 mm ID 1.0 um
QLast Update : Wed Jun 27 16:20:20 2007
Response via : Initial Calibration





TIC: Q3823.D\data.ms

(59) NONANE (m)

16.013min (-0.018) 0.20PPBV m

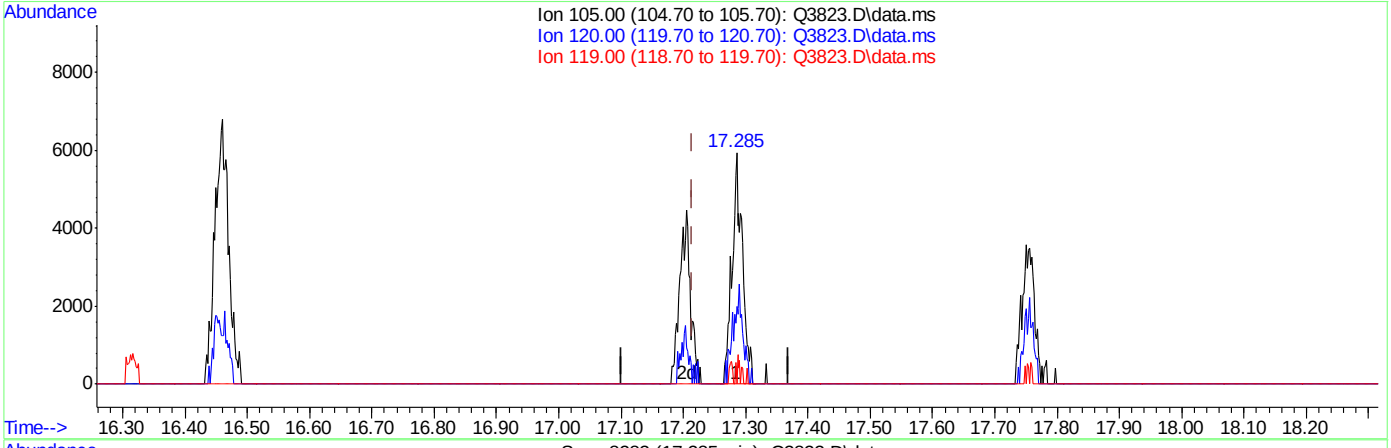
response 8719

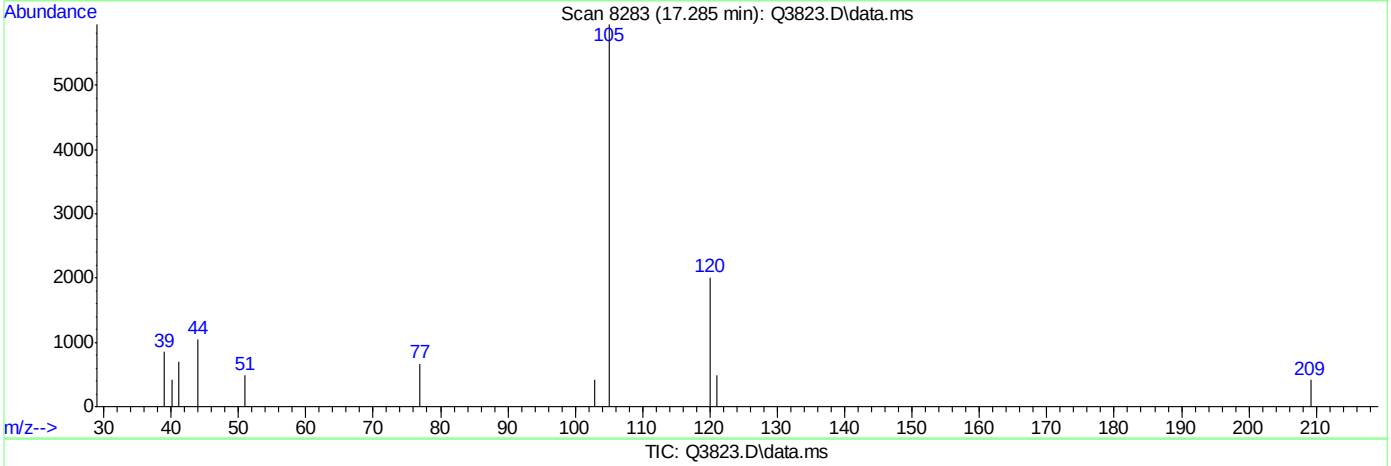
Ion	Exp%	Act%
43.00	100	100
71.00	19.00	10.55
128.00	3.70	0.00
0.00	0.00	0.00

Quantitation Report (Qedit)

```
Data Path : C:\msdchem\1\DATA\
Data File : Q3823.D
Acq On    : 27 Jun 2007   4:40 pm
Operator  : PhilipB
Sample    : IC205-.2 (M087)
Misc      : MS13820, MSQ205,,,,,1
ALS Vial  : 2   Sample Multiplier: 1

Quant Time: Jun 27 17:14:09 2007
Quant Method : C:\msdchem\1\METHODS\Q062507T.m
Quant Title  : TO15  by GCMS w/DB-1 60 m X .25 mm ID 1.0 um
QLast Update : Wed Jun 27 16:20:20 2007
Response via : Initial Calibration
```



TIC: Q3823.D\data.ms

(65) 4-ETHYLTOLUENE (m)

17.285min (+0.071) 0.19PPBV

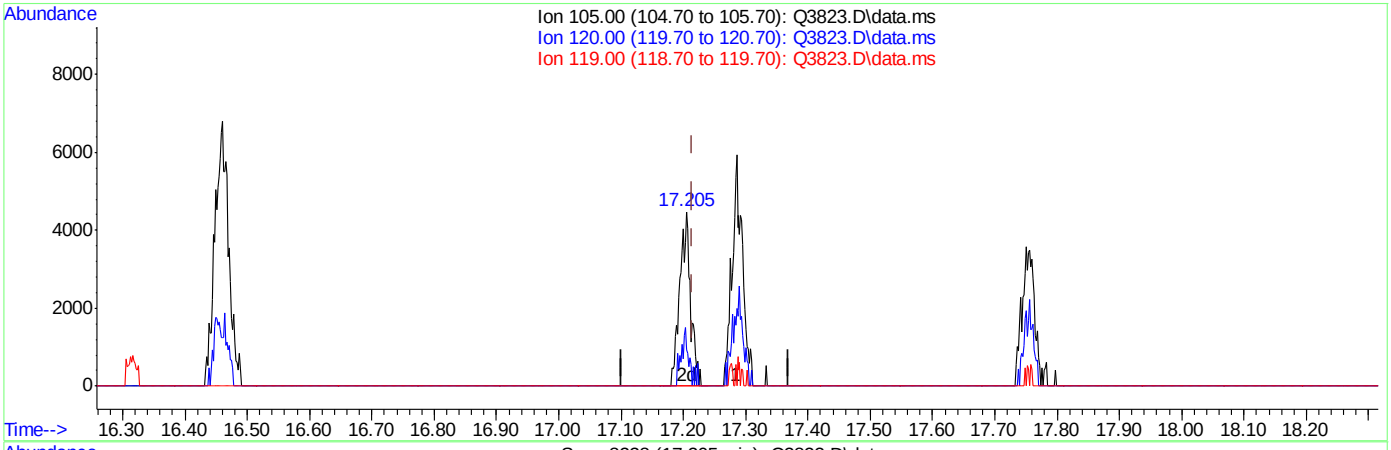
response 7209

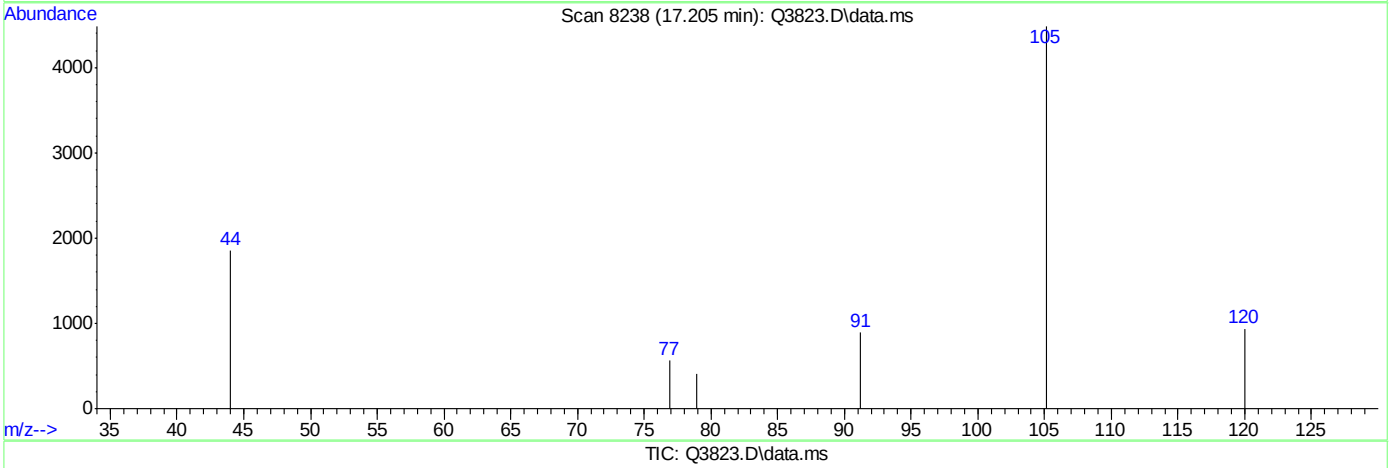
Ion	Exp%	Act%
105.00	100	100
120.00	29.20	41.09
119.00	2.10	4.72
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\
Data File : Q3823.D
Acq On : 27 Jun 2007 4:40 pm
Operator : PhilipB
Sample : IC205-.2 (M087)
Misc : MS13820, MSQ205,,,,,1
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Jun 27 17:14:09 2007
Quant Method : C:\msdchem\1\METHODS\Q062507T.m
Quant Title : TO15 by GCMS w/DB-1 60 m X .25 mm ID 1.0 um
QLast Update : Wed Jun 27 16:20:20 2007
Response via : Initial Calibration





TIC: Q3823.D\data.ms

(65) 4-ETHYLTOLUENE (m)

17.205min (-0.009) 0.14PPBV m

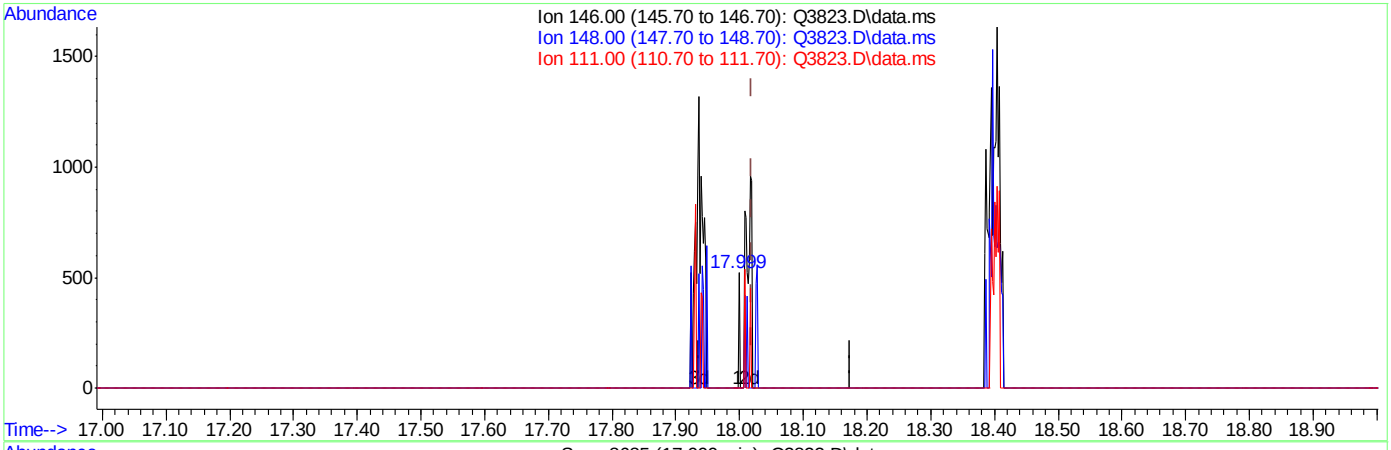
response 5319

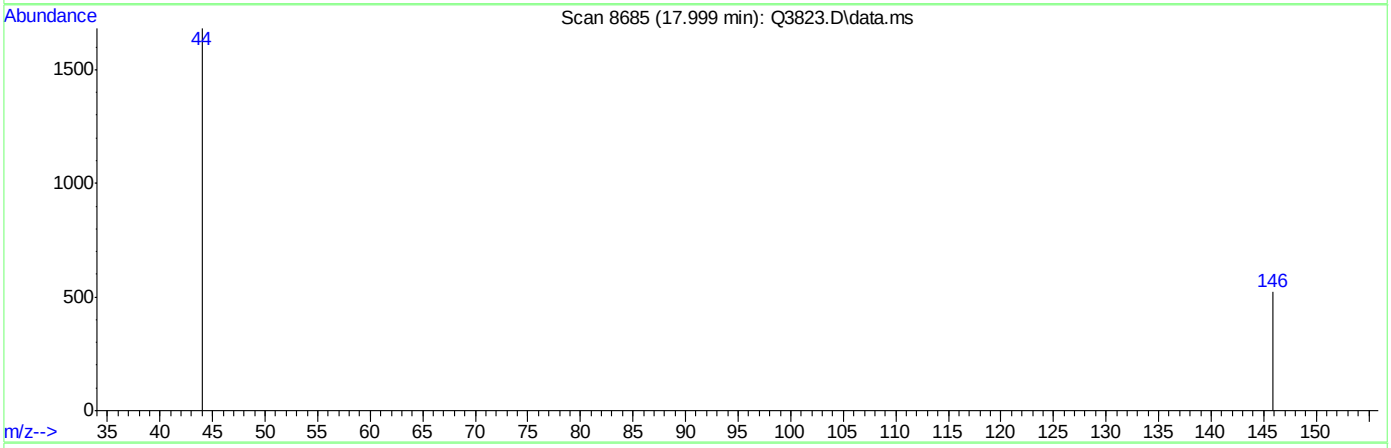
Ion	Exp%	Act%
105.00	100	100
120.00	29.20	55.69#
119.00	2.10	6.39
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\
Data File : Q3823.D
Acq On : 27 Jun 2007 4:40 pm
Operator : PhilipB
Sample : IC205-.2 (M087)
Misc : MS13820, MSQ205,,,,,1
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Jun 27 17:14:09 2007
Quant Method : C:\msdchem\1\METHODS\Q062507T.m
Quant Title : TO15 by GCMS w/DB-1 60 m X .25 mm ID 1.0 um
QLast Update : Wed Jun 27 16:20:20 2007
Response via : Initial Calibration





TIC: Q3823.D\data.ms

(70) p-DICHLOROBENZENE (m)

17.999min (-0.021) 0.00PPBV

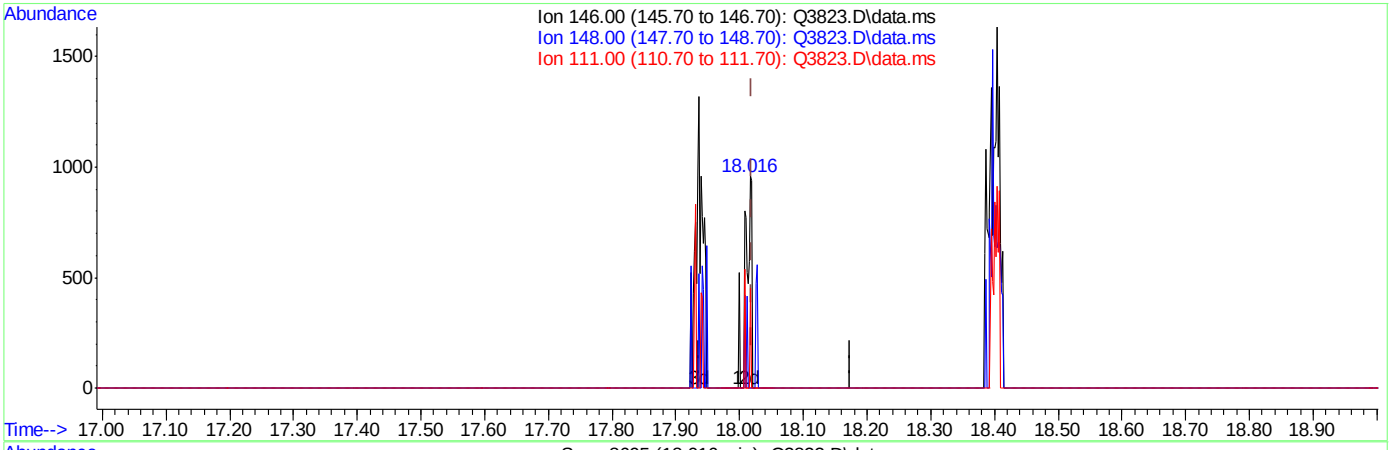
response 56

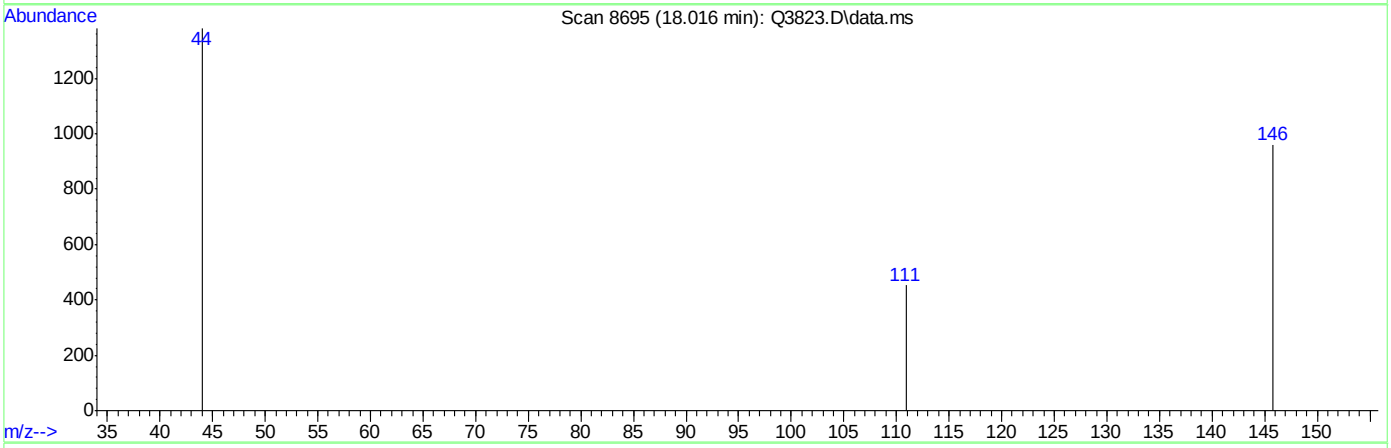
Ion	Exp%	Act%
146.00	100	100
148.00	63.40	0.00#
111.00	41.10	0.00#
0.00	0.00	0.00

Quantitation Report (Qedit)

```
Data Path : C:\msdchem\1\DATA\
Data File : Q3823.D
Acq On    : 27 Jun 2007   4:40 pm
Operator  : PhilipB
Sample    : IC205-.2 (M087)
Misc      : MS13820, MSQ205,,,,,1
ALS Vial  : 2   Sample Multiplier: 1

Quant Time: Jun 27 17:14:09 2007
Quant Method : C:\msdchem\1\METHODS\Q062507T.m
Quant Title  : TO15  by GCMS w/DB-1 60 m X .25 mm ID 1.0 um
QLast Update : Wed Jun 27 16:20:20 2007
Response via : Initial Calibration
```



TIC: Q3823.D\data.ms

(70) p-DICHLOROBENZENE (m)

18.016min (-0.004) 0.05PPBV m

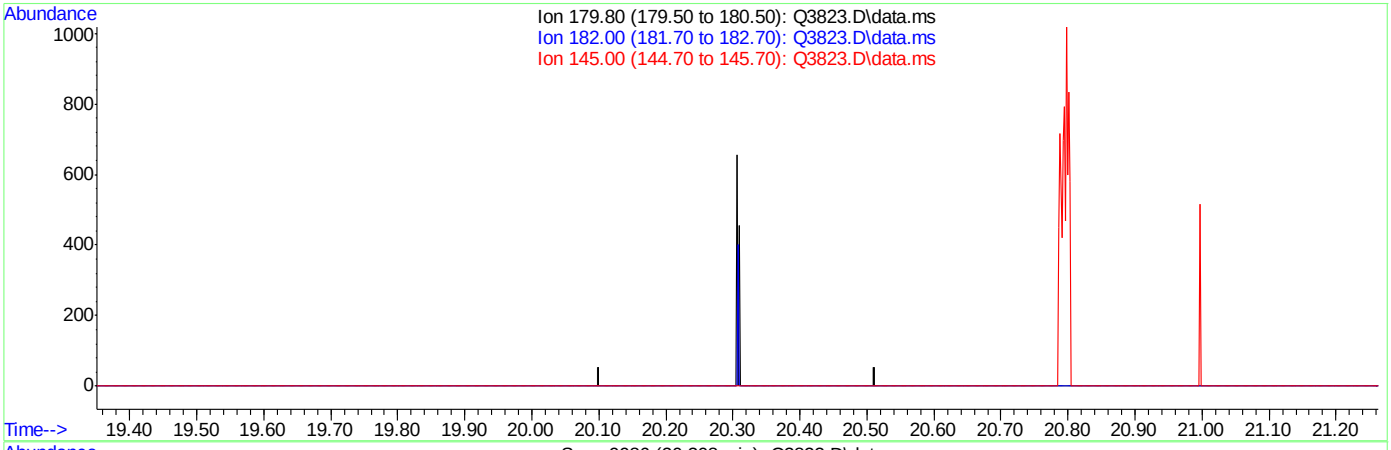
response 592

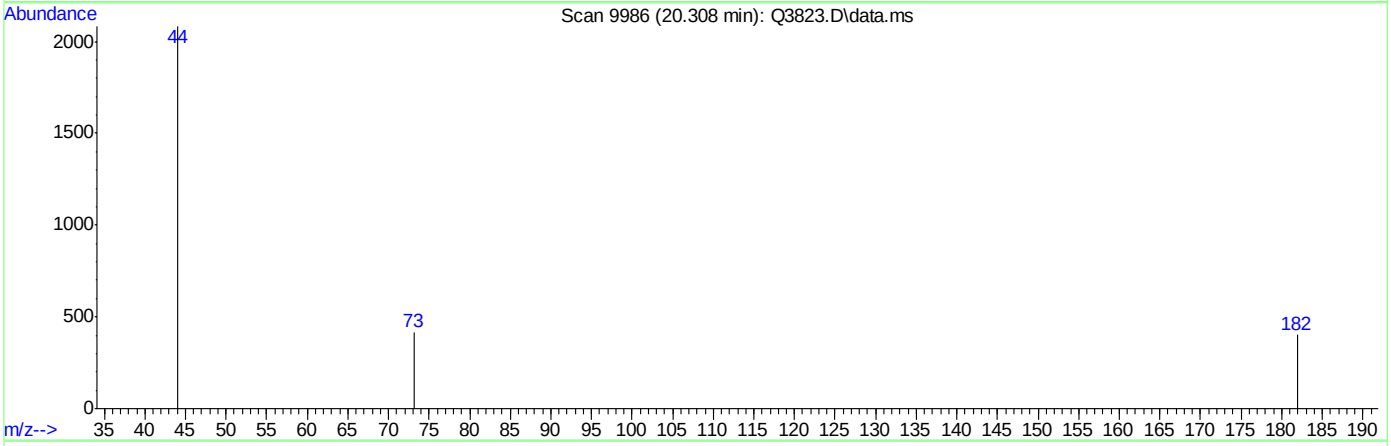
Ion	Exp%	Act%
146.00	100	100
148.00	63.40	0.00#
111.00	41.10	0.00#
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\
Data File : Q3823.D
Acq On : 27 Jun 2007 4:40 pm
Operator : PhilipB
Sample : IC205-.2 (M087)
Misc : MS13820, MSQ205,,,,,1
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Jun 27 17:14:09 2007
Quant Method : C:\msdchem\1\METHODS\Q062507T.m
Quant Title : TO15 by GCMS w/DB-1 60 m X .25 mm ID 1.0 um
QLast Update : Wed Jun 27 16:20:20 2007
Response via : Initial Calibration





TIC: Q3823.D\data.ms

(73) 1,2,4-TRICHLOROBENZENE (m)

20.307min (-20.307) 0.00PPBV

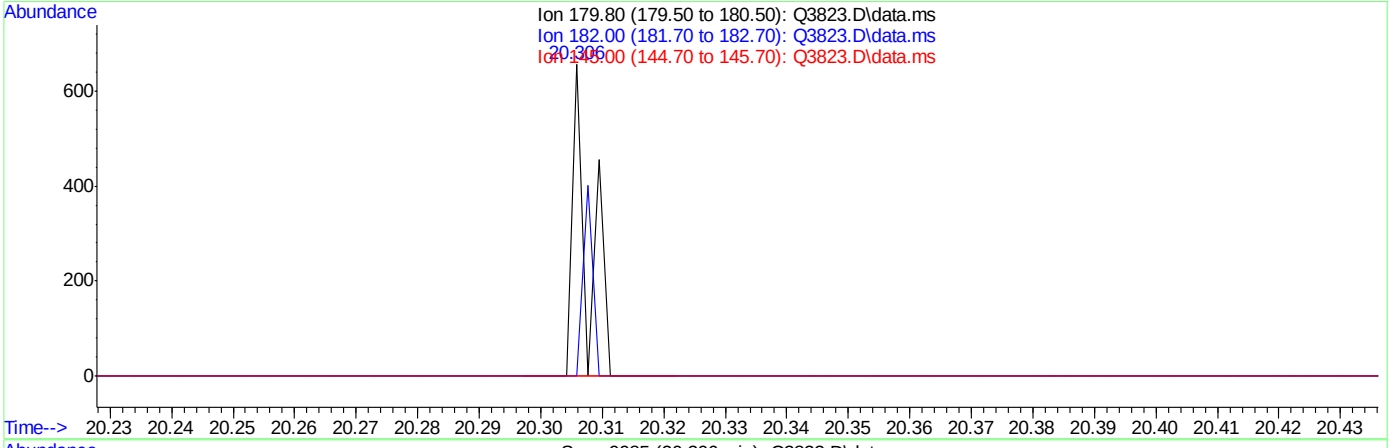
response 0

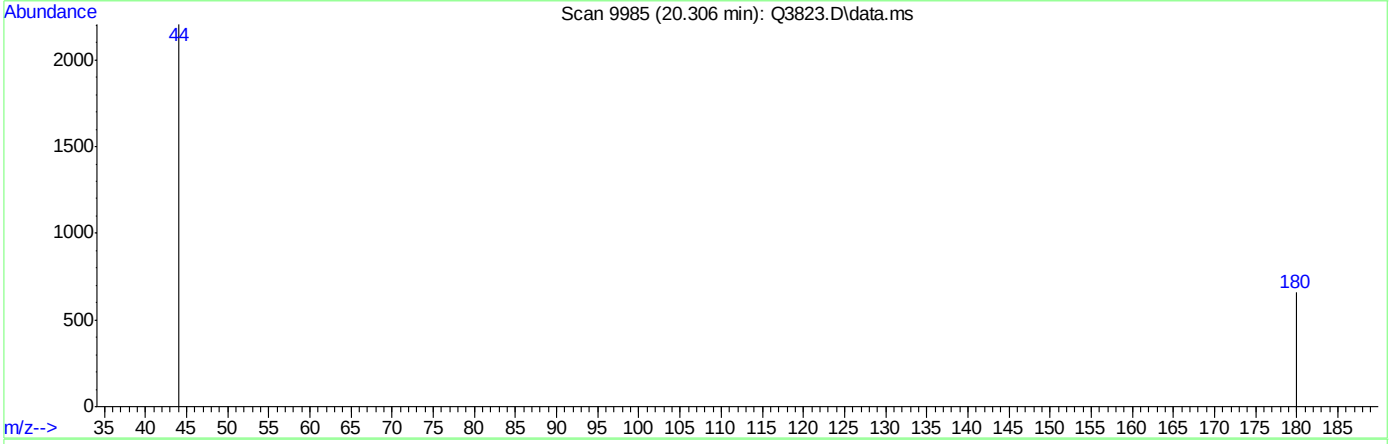
Ion	Exp%	Act%
179.80	100	0.00
182.00	95.40	0.00#
145.00	38.00	0.00#
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\
Data File : Q3823.D
Acq On : 27 Jun 2007 4:40 pm
Operator : PhilipB
Sample : IC205-.2 (M087)
Misc : MS13820, MSQ205,,,,,1
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Jun 27 17:14:09 2007
Quant Method : C:\msdchem\1\METHODS\Q062507T.m
Quant Title : TO15 by GCMS w/DB-1 60 m X .25 mm ID 1.0 um
QLast Update : Wed Jun 27 16:20:20 2007
Response via : Initial Calibration





TIC: Q3823.D\data.ms

(73) 1,2,4-TRICHLOROBENZENE (m)

20.306min (-0.001) 0.06PPBV m

response 118

Ion	Exp%	Act%
179.80	100	100
182.00	95.40	0.00#
145.00	38.00	0.00#
0.00	0.00	0.00

Manual Integrations APPROVED (compounds with "m" flag)
Doug Yargeau
06/28/07 14:05

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\
Data File : Q3824.D
Acq On : 27 Jun 2007 5:27 pm
Operator : PhilipB
Sample : ICV205-10 (M080)
Misc : MS13820, MSQ205,,,,,1
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Jun 28 09:06:50 2007
Quant Method : C:\msdchem\1\METHODS\Q062707T.m
Quant Title : TO15 by GCMS w/DB-1 60 m X .25 mm ID 1.0 um
QLast Update : Wed Jun 27 17:20:02 2007
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) BROMOCHLOROMETHANE	8.561	128	109433	10.00	PPBV	-0.07
35) 1,4-DIFLUOROBENZENE	10.405	114	495719	10.00	PPBV	-0.06
49) CHLOROBENZENE-D5	14.687	117	418673	10.00	PPBV	-0.02

System Monitoring Compounds

61) 4-BROMOFLUOROBENZENE	16.315	95	165989	5.12	PPBV	-0.01

Spiked Amount 5.000 Range 57 - 139 Recovery = 102.40%

Target Compounds							Qvalue
2) DICHLORODIFLUOROMETHANE	4.021	85	512235	9.54	PPBV		97
3) PROPYLENE	3.952	41	168280	9.37	PPBV		97
4) FREON 114	4.273	85	434367	9.29	PPBV		88
5) CHLOROMETHANE	4.179	50	231304	10.04	PPBV		99
6) VINYL CHLORIDE	4.392	62	186937	9.48	PPBV		97
7) 1,3-BUTADIENE	4.525	39	157079	9.12	PPBV		89
8) BROMOMETHANE	4.791	94	148308	9.76	PPBV		99
9) CHLOROETHANE	4.954	64	75905	9.92	PPBV		95
10) TRICHLOROFLUOROMETHANE	5.725	101	416603	9.53	PPBV		100
11) ISOPROPYL ALCOHOL	5.755	45	291939	8.80	PPBV		99
12) ACETONE	5.536	43	256142	9.13	PPBV		97
13) PENTANE	6.072	42	199138	8.83	PPBV		90
14) 1,1-DICHLOROETHYLENE	6.353	96	122833	9.00	PPBV	#	76
15) CARBON DISULFIDE	6.789	76	364683	9.13	PPBV		88
16) ETHANOL	5.038	45	55018	8.56	PPBV		98
17) BROMOETHENE	5.315	106	130583	9.43	PPBV	#	99
18) METHYLENE CHLORIDE	6.465	84	143828	11.50	PPBV		52
19) 3-CHLOROPROPENE	6.584	39	130243	9.00	PPBV		88
20) FREON 113	6.724	151	173046	8.59	PPBV	#	72
21) TRANS-1,2-DICHLOROETHY...	7.391	96	114271	9.44	PPBV	#	77
22) TERTIARY BUTYL ALCOHOL	6.356	59	318174	8.94	PPBV		87
23) METHYL TERTIARY BUTYL ...	7.636	73	261879	9.05	PPBV		85
24) TETRAHYDROFURAN	9.077	42	159225	9.47	PPBV		97
25) HEXANE	8.600	57	266479	9.38	PPBV		98
26) VINYL ACETATE	7.709	43	306135	9.65	PPBV		91
27) 1,1-DICHLOROETHANE	7.592	63	276198	9.29	PPBV		98
28) METHYL ETHYL KETONE	7.957	43	303343	9.23	PPBV		97
29) cis-1,2-DICHLOROETHYLENE	8.397	96	115990	9.73	PPBV		95
30) ETHYL ACETATE	8.591	43	528465	9.11	PPBV		99
31) CHLOROFORM	8.683	83	292307	9.08	PPBV		97
32) 1,1,1-TRICHLOROETHANE	9.645	97	252121	9.63	PPBV		94
33) CARBON TETRACHLORIDE	10.236	117	290573	9.96	PPBV		98
34) 1,2-DICHLOROETHANE	9.400	62	175673	9.58	PPBV		99
36) BENZENE	10.092	78	314452	9.91	PPBV		98
37) CYCLOHEXANE	10.357	84	148240	10.05	PPBV		97
38) TRICHLOROETHYLENE	11.093	95	158760	10.12	PPBV		92
39) 1,2-DICHLOROPROPANE	10.873	63	146619	9.82	PPBV		92
40) BROMODICHLOROMETHANE	11.054	83	257229	10.16	PPBV		100
41) 2,2,4-TRIMETHYLPENTANE	11.122	57	789050	9.88	PPBV		95
42) 1,4-DIOXANE	11.088	88	58143	10.81	PPBV	#	76
43) HEPTANE	11.360	43	308327	10.05	PPBV		90

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\
Data File : Q3824.D
Acq On : 27 Jun 2007 5:27 pm
Operator : PhilipB
Sample : ICV205-10 (M080)
Misc : MS13820, MSQ205,,,,,1
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Jun 28 09:06:50 2007
Quant Method : C:\msdchem\1\METHODS\Q062707T.m
Quant Title : TO15 by GCMS w/DB-1 60 m X .25 mm ID 1.0 um
QLast Update : Wed Jun 27 17:20:02 2007
Response via : Initial Calibration

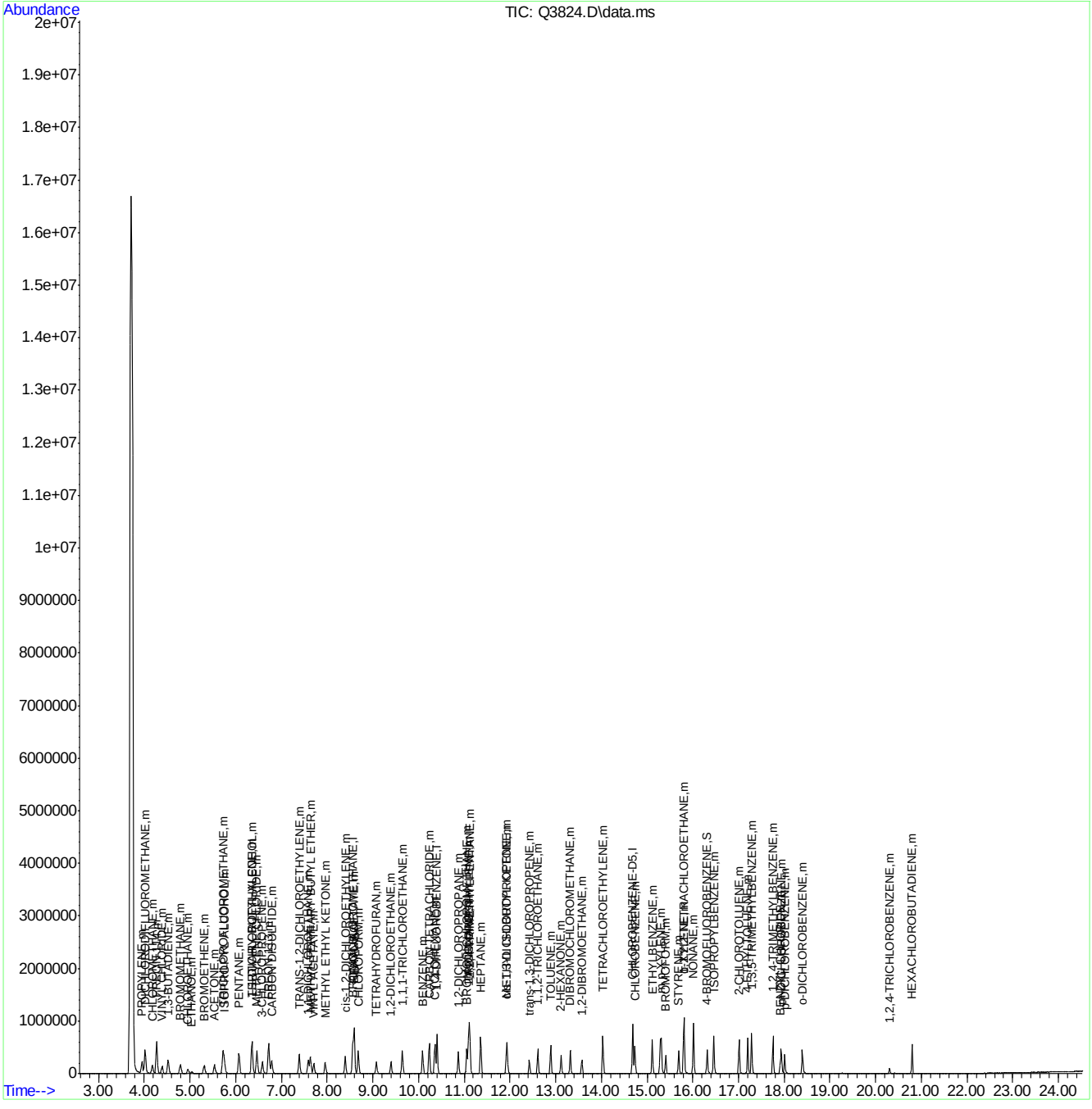
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) METHYL ISOBUTYL KETONE	11.938	43	360011	10.39	PPBV	91
45) cis-1,3-DICHLOROPROPENE	11.920	75	151468	10.83	PPBV	93
46) TOLUENE	12.891	92	193342	9.70	PPBV	100
47) trans-1,3-DICHLOROPROPENE	12.426	75	110317	10.61	PPBV	95
48) 1,1,2-TRICHLOROETHANE	12.613	83	117439	10.17	PPBV	95
50) 2-HEXANONE	13.117	43	260009	10.68	PPBV	93
51) TETRACHLOROETHYLENE	14.032	164	105772	9.65	PPBV	90
52) DIBROMOCHLOROMETHANE	13.321	129	198885	10.19	PPBV	98
53) 1,2-DIBROMOETHANE	13.573	107	168119	10.94	PPBV	98
54) CHLOROBENZENE	14.732	112	229677	10.53	PPBV	96
55) ETHYLBENZENE	15.113	91	414324	10.67	PPBV	99
56) m,p-XYLENE	15.308	106	306027m	21.00	PPBV	
57) o-XYLENE	15.811	106	156347	10.42	PPBV	96
58) STYRENE	15.694	104	178437	9.62	PPBV	99
59) NONANE	16.015	43	411402	10.53	PPBV	91
60) BROMOFORM	15.408	173	127738	9.92	PPBV	100
62) 1,1,2,2-TETRACHLOROETHANE	15.800	83	298625	9.90	PPBV	98
63) ISOPROPYLBENZENE	16.462	105	430034	10.10	PPBV #	100
64) 2-CHLOROTOLUENE	17.012	91	324182	10.89	PPBV	96
65) 4-ETHYLTOLUENE	17.202	105	368052	11.24	PPBV	100
66) 1,3,5-TRIMETHYLBENZENE	17.285	105	345357	10.23	PPBV	98
67) 1,2,4-TRIMETHYLBENZENE	17.754	105	321768	11.09	PPBV	99
68) m-DICHLOROBENZENE	17.935	146	132359	11.51	PPBV	97
69) BENZYL CHLORIDE	17.912	91	122333	10.21	PPBV	97
70) p-DICHLOROBENZENE	18.010	146	112789	11.25	PPBV	98
71) o-DICHLOROBENZENE	18.402	146	142015	11.49	PPBV	97
72) HEXACHLOROBUTADIENE	20.798	225	47473	9.46	PPBV	99
73) 1,2,4-TRICHLOROBENZENE	20.310	180	19939	10.16	PPBV	99

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

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\
Data File : Q3824.D
Acq On : 27 Jun 2007 5:27 pm
Operator : PhilipB
Sample : ICV205-10 (M080)
Misc : MS13820, MSQ205,,,,,1
ALS Vial : 2 Sample Multiplier: 1

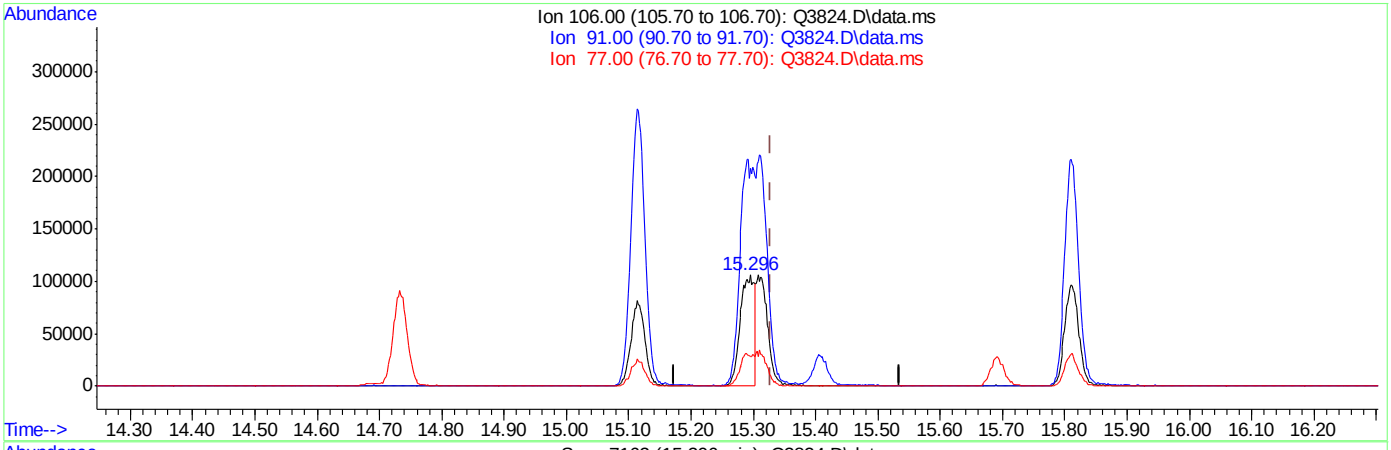
Quant Time: Jun 28 09:06:50 2007
Quant Method : C:\msdchem\1\METHODS\Q062707T.m
Quant Title : TO15 by GCMS w/DB-1 60 m X .25 mm ID 1.0 um
QLast Update : Wed Jun 27 17:20:02 2007
Response via : Initial Calibration

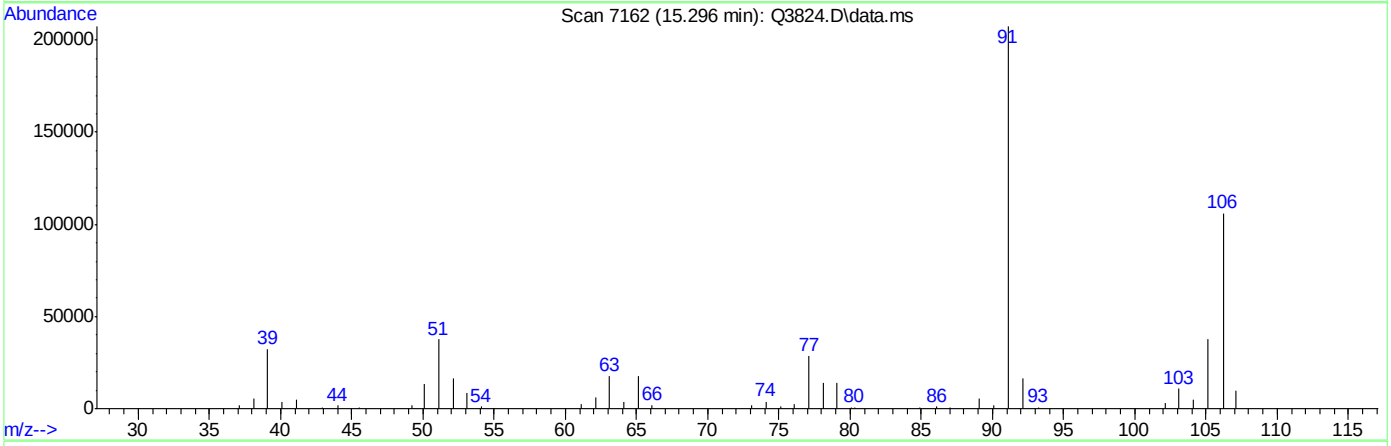


Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\
Data File : Q3824.D
Acq On : 27 Jun 2007 5:27 pm
Operator : PhilipB
Sample : ICV205-10 (M080)
Misc : MS13820, MSQ205,,,,,1
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Jun 28 08:57:20 2007
Quant Method : C:\msdchem\1\METHODS\Q062707T.m
Quant Title : TO15 by GCMS w/DB-1 60 m X .25 mm ID 1.0 um
QLast Update : Wed Jun 27 17:20:02 2007
Response via : Initial Calibration





TIC: Q3824.D\data.ms

(56) m,p-XYLENE (m)

15.296min (-0.033) 11.72PPBV

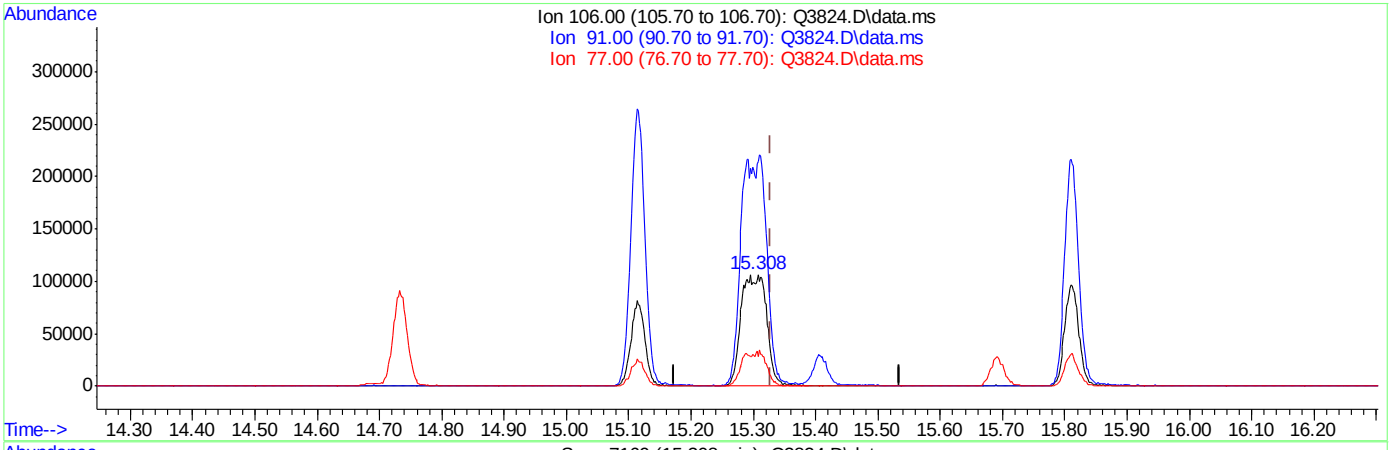
response 170694

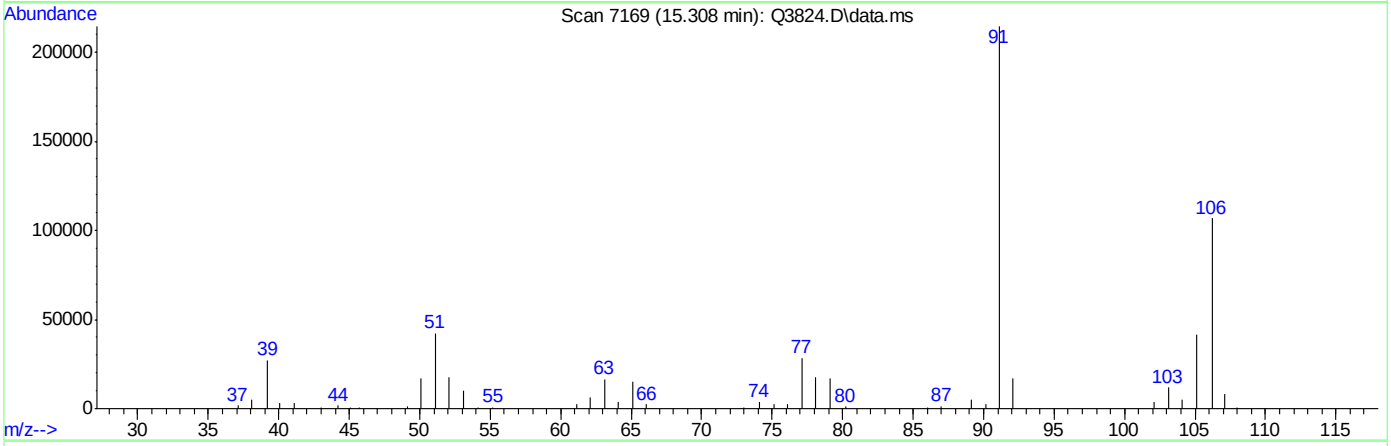
Ion	Exp%	Act%
106.00	100	100
91.00	201.30	195.46
77.00	27.30	26.69
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\
Data File : Q3824.D
Acq On : 27 Jun 2007 5:27 pm
Operator : PhilipB
Sample : ICV205-10 (M080)
Misc : MS13820, MSQ205,,,,,1
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Jun 28 08:57:20 2007
Quant Method : C:\msdchem\1\METHODS\Q062707T.m
Quant Title : TO15 by GCMS w/DB-1 60 m X .25 mm ID 1.0 um
QLast Update : Wed Jun 27 17:20:02 2007
Response via : Initial Calibration





TIC: Q3824.D\data.ms

(56) m,p-XYLENE (m)

15.308min (-0.021) 21.00PPBV m

response 306027

Ion	Exp%	Act%
106.00	100	100
91.00	201.30	200.93
77.00	27.30	26.67
0.00	0.00	0.00

Manual Integrations APPROVED (compounds with "m" flag)
Doug Yargeau
07/06/07 11:19

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\
Data File : Q3857.D
Acq On : 29 Jun 2007 3:53 pm
Operator : PhilipB
Sample : CC205-10 (M080)
Misc : MS13857, MSQ207,,,,,1
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Jun 29 16:35:41 2007
Quant Method : C:\msdchem\1\METHODS\Q062707T.m
Quant Title : TO15 by GCMS w/DB-1 60 m X .25 mm ID 1.0 um
QLast Update : Wed Jun 27 17:20:02 2007
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) BROMOCHLOROMETHANE	8.635	128	95802m	10.00	PPBV	0.00
35) 1,4-DIFLUOROBENZENE	10.461	114	506677	10.00	PPBV	0.00
49) CHLOROBENZENE-D5	14.707	117	421047	10.00	PPBV	0.00
System Monitoring Compounds						
61) 4-BROMOFLUOROBENZENE	16.323	95	162131	4.97	PPBV	0.00
Spiked Amount 5.000	Range 57 - 139		Recovery = 99.40%			
Target Compounds						Qvalue
2) DICHLORODIFLUOROMETHANE	4.038	85	600336	12.77	PPBV	95
3) PROPYLENE	3.962	41	179994	11.44	PPBV	99
4) FREON 114	4.299	85	478253	11.69	PPBV	84
5) CHLOROMETHANE	4.198	50	212847	10.55	PPBV	99
6) VINYL CHLORIDE	4.420	62	166673	9.66	PPBV	98
7) 1,3-BUTADIENE	4.560	39	169459	11.24	PPBV #	77
8) BROMOMETHANE	4.835	94	138200	10.39	PPBV	97
9) CHLOROETHANE	5.006	64	67222	10.04	PPBV	72
10) TRICHLOROFLUOROMETHANE	5.790	101	592560	15.48	PPBV	100
11) ISOPROPYL ALCOHOL	5.826	45	306426	10.55	PPBV	98
12) ACETONE	5.597	43	273676	11.14	PPBV	87
13) PENTANE	6.145	42	188690	9.56	PPBV	95
14) 1,1-DICHLOROETHYLENE	6.427	96	144909	12.13	PPBV #	69
15) CARBON DISULFIDE	6.860	76	444848	12.72	PPBV	86
16) ETHANOL	5.096	45	53612	9.53	PPBV	95
17) BROMOETHENE	5.368	106	126300	10.42	PPBV #	93
18) METHYLENE CHLORIDE	6.543	84	136497	12.51	PPBV	58
19) 3-CHLOROPROPENE	6.658	39	176313	13.91	PPBV	93
20) FREON 113	6.798	151	202702	11.50	PPBV #	65
21) TRANS-1,2-DICHLOROETHY...	7.467	96	138457	13.07	PPBV #	75
22) TERTIARY BUTYL ALCOHOL	6.429	59	405080	13.00	PPBV	87
23) METHYL TERTIARY BUTYL ...	7.712	73	308075	12.17	PPBV	82
24) TETRAHYDROFURAN	9.148	42	189889	12.91	PPBV	90
25) HEXANE	8.667	57	277726	11.17	PPBV	90
26) VINYL ACETATE	7.788	43	417402	15.03	PPBV	92
27) 1,1-DICHLOROETHANE	7.666	63	325519	12.51	PPBV	98
28) METHYL ETHYL KETONE	8.035	43	373727	12.98	PPBV	96
29) cis-1,2-DICHLOROETHYLENE	8.468	96	112746	10.81	PPBV #	86
30) ETHYL ACETATE	8.665	43	637565	12.55	PPBV	99
31) CHLOROFORM	8.754	83	317372	11.26	PPBV	93
32) 1,1,1-TRICHLOROETHANE	9.711	97	294543	12.85	PPBV	90
33) CARBON TETRACHLORIDE	10.294	117	326085	12.76	PPBV	99
34) 1,2-DICHLOROETHANE	9.467	62	228157	14.21	PPBV	98
36) BENZENE	10.151	78	315070	9.71	PPBV	97
37) CYCLOHEXANE	10.415	84	144770	9.60	PPBV #	87
38) TRICHLOROETHYLENE	11.148	95	177381	11.07	PPBV #	82
39) 1,2-DICHLOROPROPANE	10.921	63	152317	9.98	PPBV	96
40) BROMODICHLOROMETHANE	11.109	83	290980	11.25	PPBV	100
41) 2,2,4-TRIMETHYLPENTANE	11.168	57	919307	11.27	PPBV	95
42) 1,4-DIOXANE	11.136	88	63593	11.57	PPBV #	64
43) HEPTANE	11.409	43	358853	11.45	PPBV	85

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\
Data File : Q3857.D
Acq On : 29 Jun 2007 3:53 pm
Operator : PhilipB
Sample : CC205-10 (M080)
Misc : MS13857, MSQ207,,,,,1
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Jun 29 16:35:41 2007
Quant Method : C:\msdchem\1\METHODS\Q062707T.m
Quant Title : TO15 by GCMS w/DB-1 60 m X .25 mm ID 1.0 um
QLast Update : Wed Jun 27 17:20:02 2007
Response via : Initial Calibration

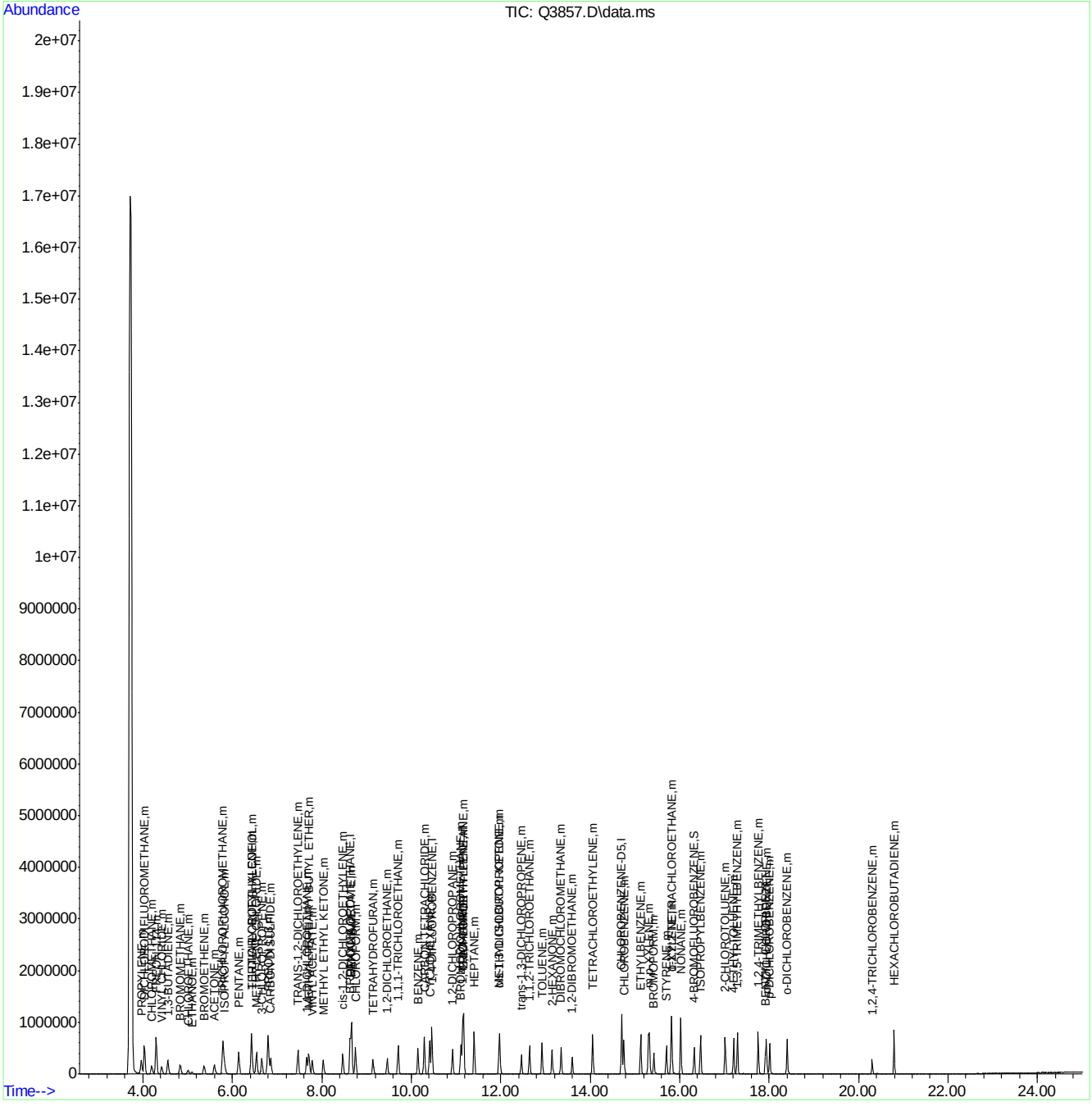
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) METHYL ISOBUTYL KETONE	11.980	43	449756	12.70	PPBV	87
45) cis-1,3-DICHLOROPROPENE	11.963	75	183511	12.83	PPBV #	77
46) TOLUENE	12.925	92	190878	9.37	PPBV	95
47) trans-1,3-DICHLOROPROPENE	12.461	75	139867	13.16	PPBV	84
48) 1,1,2-TRICHLOROETHANE	12.644	83	122813	10.41	PPBV	90
50) 2-HEXANONE	13.148	43	349015	14.26	PPBV	86
51) TETRACHLOROETHYLENE	14.059	164	88945	8.07	PPBV #	78
52) DIBROMOCHLOROMETHANE	13.351	129	192387	9.80	PPBV	100
53) 1,2-DIBROMOETHANE	13.603	107	184532	11.94	PPBV	98
54) CHLOROBENZENE	14.753	112	238554	10.87	PPBV	89
55) ETHYLBENZENE	15.131	91	445607	11.41	PPBV	95
56) m,p-XYLENE	15.322	106	304676m	20.79	PPBV	
57) o-XYLENE	15.825	106	139774	9.26	PPBV #	79
58) STYRENE	15.706	104	187119	9.99	PPBV	92
59) NONANE	16.023	43	456877	11.63	PPBV	86
60) BROMOFORM	15.424	173	123975	9.57	PPBV	99
62) 1,1,2,2-TETRACHLOROETHANE	15.810	83	292725	9.65	PPBV	97
63) ISOPROPYLBENZENE	16.467	105	390781	9.13	PPBV #	100
64) 2-CHLOROTOLUENE	17.021	91	326595	10.91	PPBV	86
65) 4-ETHYLTOLUENE	17.209	105	338477	10.27	PPBV	93
66) 1,3,5-TRIMETHYLBENZENE	17.292	105	341701	10.06	PPBV	91
67) 1,2,4-TRIMETHYLBENZENE	17.757	105	334883	11.48	PPBV	92
68) m-DICHLOROBENZENE	17.940	146	153266	12.99	PPBV	93
69) BENZYL CHLORIDE	17.919	91	207033	15.85	PPBV	92
70) p-DICHLOROBENZENE	18.016	146	142200	13.73	PPBV	92
71) o-DICHLOROBENZENE	18.402	146	154907	12.34	PPBV	93
72) HEXACHLOROBUTADIENE	20.798	225	48254	9.56	PPBV	98
73) 1,2,4-TRICHLOROBENZENE	20.306	180	35565	17.11	PPBV	95

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

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\
Data File : Q3857.D
Acq On : 29 Jun 2007 3:53 pm
Operator : PhilipB
Sample : CC205-10 (M080)
Misc : MS13857, MSQ207,,,,,1
ALS Vial : 2 Sample Multiplier: 1

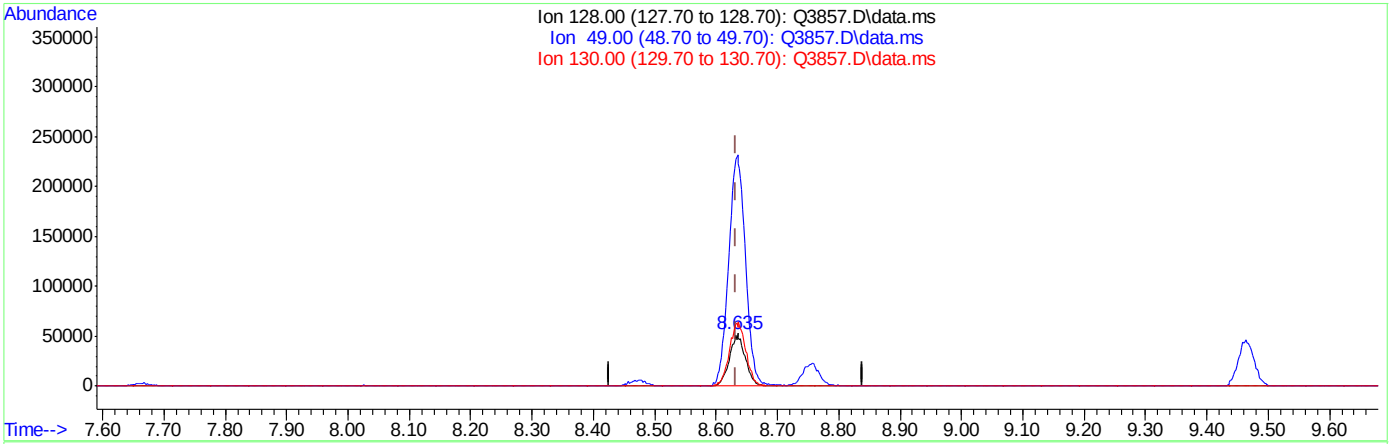
Quant Time: Jun 29 16:35:41 2007
Quant Method : C:\msdchem\1\METHODS\Q062707T.m
Quant Title : TO15 by GCMS w/DB-1 60 m X .25 mm ID 1.0 um
QLast Update : Wed Jun 27 17:20:02 2007
Response via : Initial Calibration

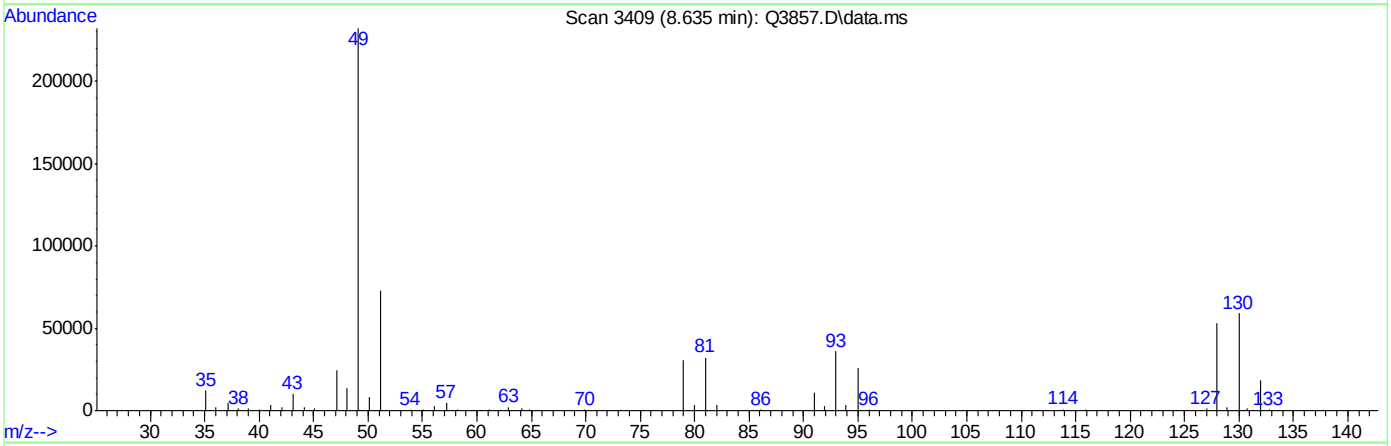


Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\
Data File : Q3857.D
Acq On : 29 Jun 2007 3:53 pm
Operator : PhilipB
Sample : CC204-10 (M080)
Misc : MS13857, MSQ207,,,,,1
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Jun 29 16:35:22 2007
Quant Method : C:\msdchem\1\METHODS\Q062707T.m
Quant Title : TO15 by GCMS w/DB-1 60 m X .25 mm ID 1.0 um
QLast Update : Wed Jun 27 17:20:02 2007
Response via : Initial Calibration





TIC: Q3857.D\data.ms

(1) BROMOCHLOROMETHANE (I)

8.635min (+0.002) 10.00PPBV

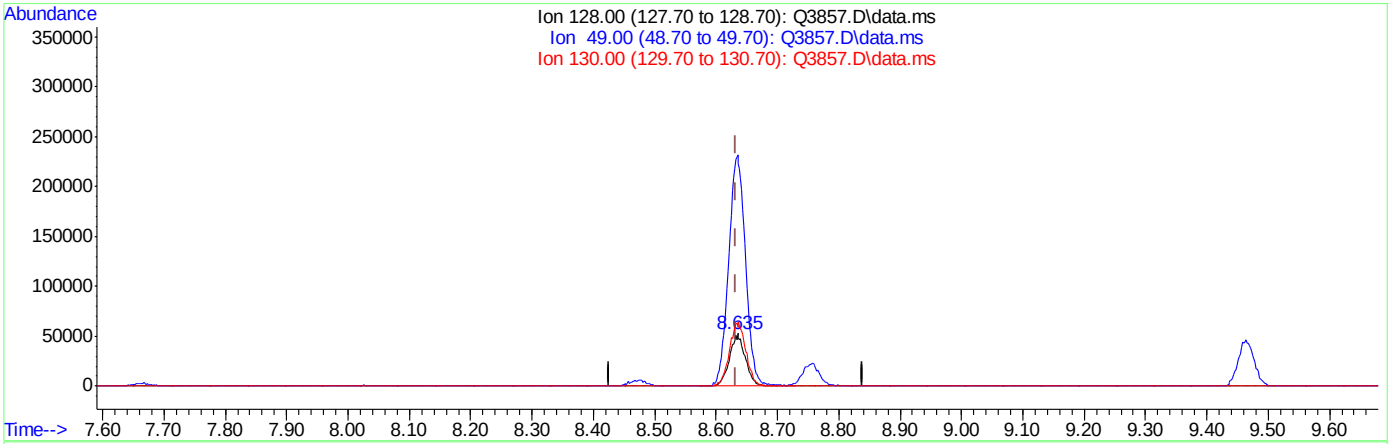
response 95475

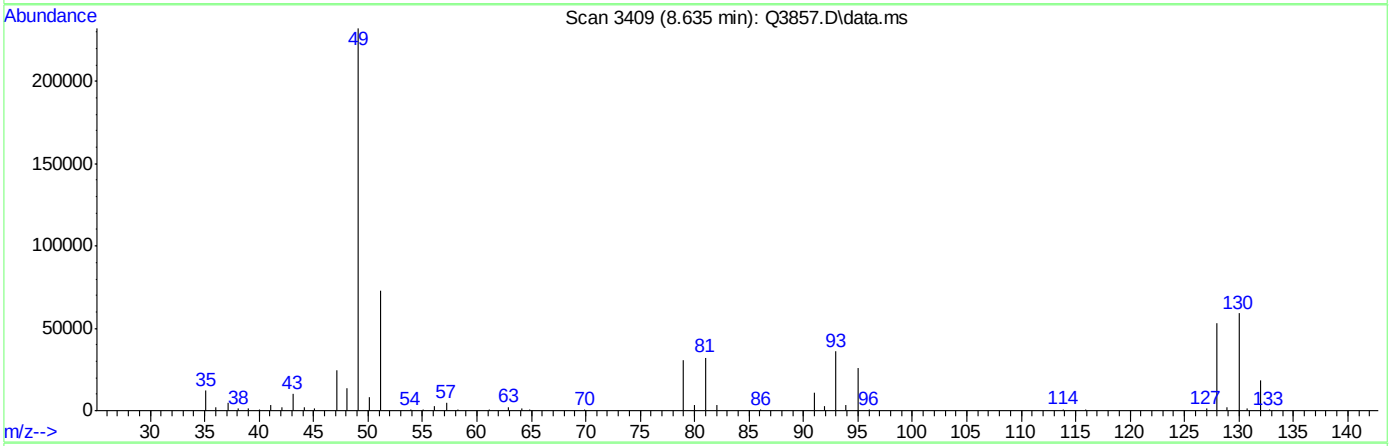
Ion	Exp%	Act%
128.00	100	100
49.00	276.40	474.00#
130.00	126.60	128.36
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\
Data File : Q3857.D
Acq On : 29 Jun 2007 3:53 pm
Operator : PhilipB
Sample : CC204-10 (M080)
Misc : MS13857, MSQ207,,,,,1
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Jun 29 16:35:22 2007
Quant Method : C:\msdchem\1\METHODS\Q062707T.m
Quant Title : TO15 by GCMS w/DB-1 60 m X .25 mm ID 1.0 um
QLast Update : Wed Jun 27 17:20:02 2007
Response via : Initial Calibration





TIC: Q3857.D\data.ms

(1) BROMOCHLOROMETHANE (I)

8.635min (+0.002) 10.00PPBV m

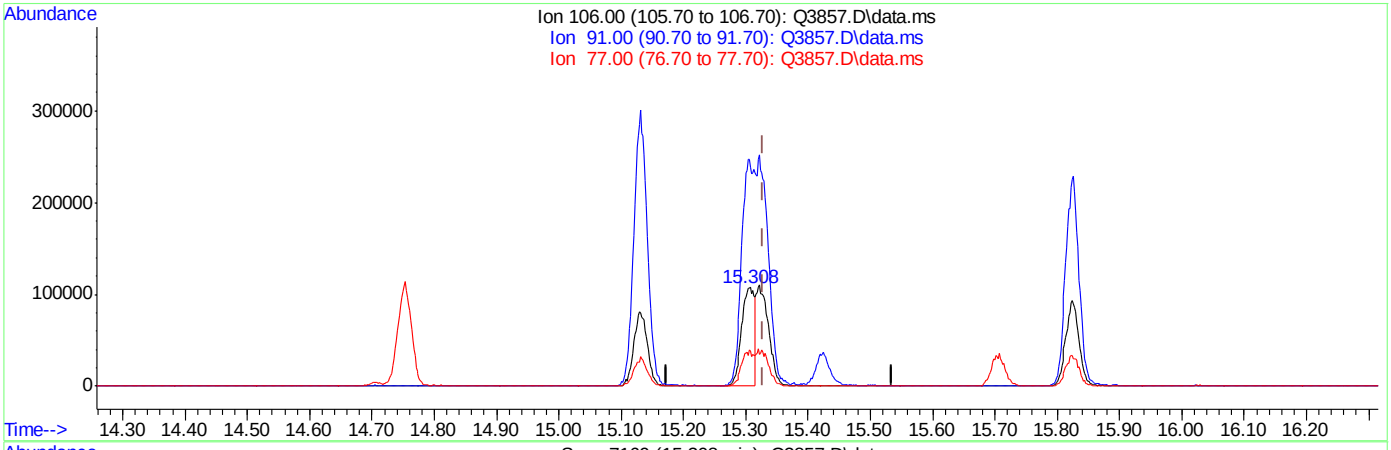
response 95802

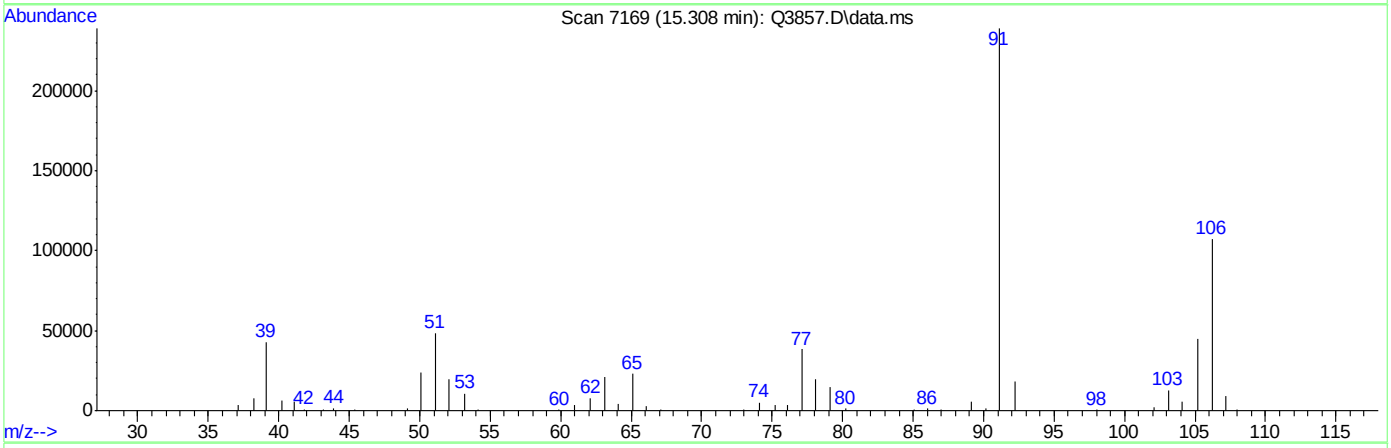
Ion	Exp%	Act%
128.00	100	100
49.00	276.40	472.38#
130.00	126.60	127.92
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\
Data File : Q3857.D
Acq On : 29 Jun 2007 3:53 pm
Operator : PhilipB
Sample : CC204-10 (M080)
Misc : MS13857, MSQ207,,,,,1
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Jun 29 16:35:22 2007
Quant Method : C:\msdchem\1\METHODS\Q062707T.m
Quant Title : TO15 by GCMS w/DB-1 60 m X .25 mm ID 1.0 um
QLast Update : Wed Jun 27 17:20:02 2007
Response via : Initial Calibration





TIC: Q3857.D\data.ms

(56) m,p-XYLENE (m)

15.308min (-0.021) 10.54PPBV

response 154498

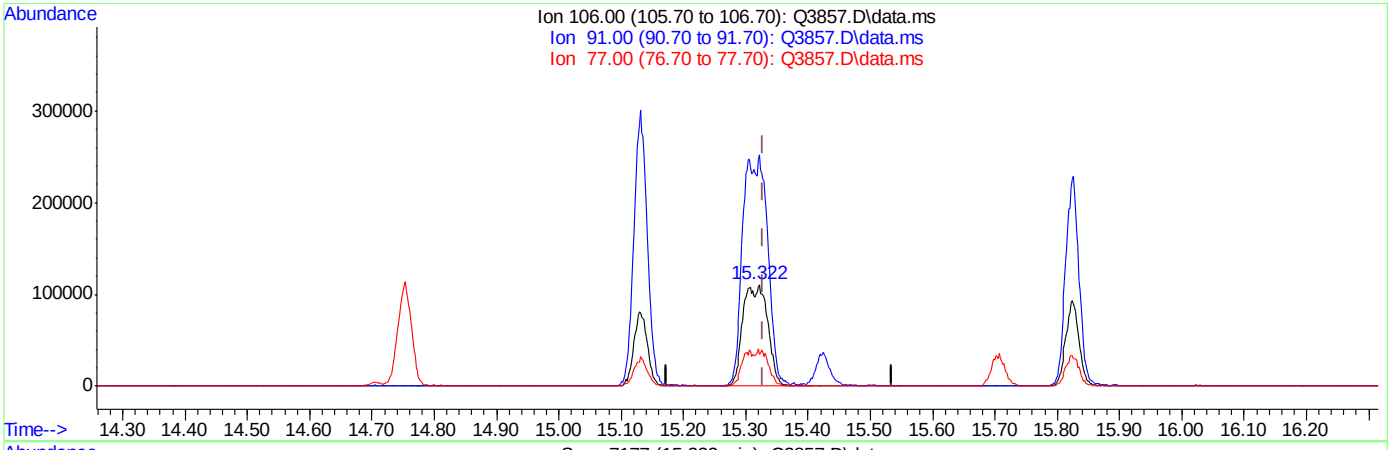
Ion	Exp%	Act%
106.00	100	100
91.00	201.30	222.43
77.00	27.30	35.83#
0.00	0.00	0.00

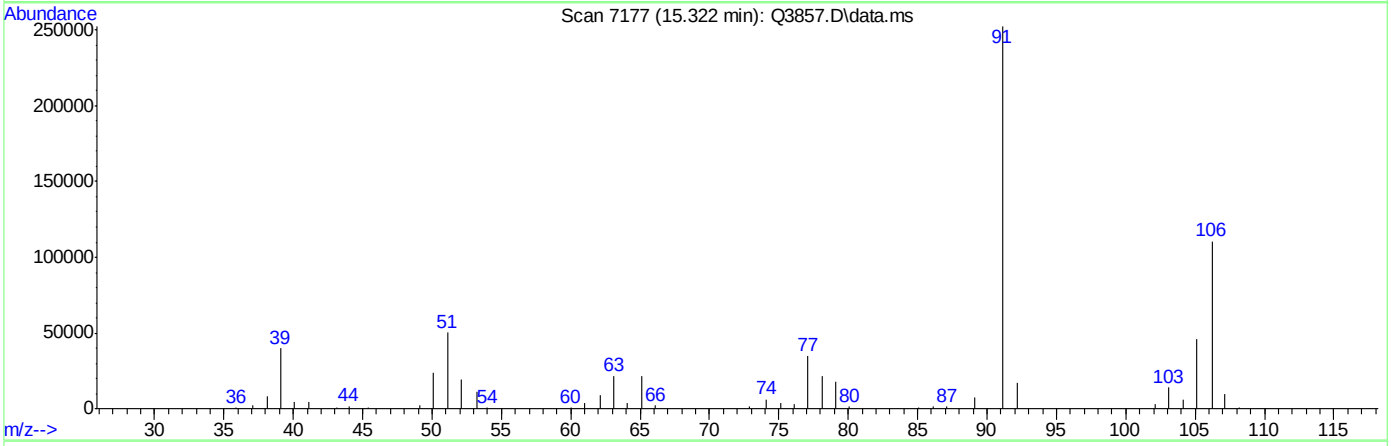
ACCUTEST Laboratories
M65795R

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\
Data File : Q3857.D
Acq On : 29 Jun 2007 3:53 pm
Operator : PhilipB
Sample : CC204-10 (M080)
Misc : MS13857, MSQ207,,,,,1
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Jun 29 16:35:22 2007
Quant Method : C:\msdchem\1\METHODS\Q062707T.m
Quant Title : TO15 by GCMS w/DB-1 60 m X .25 mm ID 1.0 um
QLast Update : Wed Jun 27 17:20:02 2007
Response via : Initial Calibration





TIC: Q3857.D\data.ms

(56) m,p-XYLENE (m)

15.322min (-0.007) 20.79PPBV m

response 304676

Ion	Exp%	Act%
106.00	100	100
91.00	201.30	228.34
77.00	27.30	31.29
0.00	0.00	0.00

Standard Lot #	
Calib STD 1	MSA364
Calib STD 2	MSA365
ICV	MSA366
Inter/Surr STD	MSA218
BS/BSD	MSA366

File ID	
Tune File 1	Q3817.D
Tune File 2	NA
Initial Cal.	6-27-07
ID FILE	Q062707T.M
Instrument ID	Q
ICAL:	
Column Type:	RTX-1
Sequence Verified By:	PB 6-28-07

Date:	6/27/2007
Analyst:	PHILIPB
Batch ID:	MSQ205
Matrix:	AIR
Approved By:	DOUGY
Date Approved:	6/28/2007 2:06:07 PM

Data File	Sample ID	Bot #	Work Group #	Test	ALS #	Sample Vol (mls)	Diln Factor	Flow controller ID	Comment
Q3814	CC204-10	M080	MSA366	VTO15STD	1		1	NA	Failed
Q3815	CC204-10	M080	MSA366	VTO15STD	1		1	NA	Failed
Q3816	CC204-10	M080	MSA366	VTO15STD	1		1	NA	Failed; re-calibrtae
Q3817	IC205-40	M041	MSA364	VTO15STD	1		1	NA	O.K.; BFB
Q3818	IC205-20	M041	MSA364	VTO15STD	1		1	NA	O.K.
Q3819	ICC205-10	M041	MSA364	VTO15STD	1		1	NA	O.K.
Q3820	IC205-5	M041	MSA364	VTO15STD	1		1	NA	O.K.
Q3821	IC205-2	M041	MSA364	VTO15STD	1		1	NA	O.K.
Q3822	IC205-.5	M087	MSA365	VTO15STD	2		1	NA	O.K.
Q3823	IC205-.2	M087	MSA365	VTO15STD	2		1	NA	O.K.
Q3824	ICV205-10	M080	MSA366	VTO15STD	2		1	NA	O.K.
Q3824A	BS	M080	MSA366	VTO15STD	2		1	NA	O.K.
Q3825	MB	M066	MS13820	VTO15STD	2		1	NA	O.K.
Q3825A	M65889-6	M066	MS13820	VTO15STD	2		1	NA	Certification Blank.
Q3826	M65720-1	M123	MS13820	VTO15STD	3		10	MC047	Re-run 20X
Q3827	M65720-1DUP	M123	MS13820	VTO15STD	3		10	MC047	O.K.
Q3828	M65720-2	M158	MS13820	VTO15STD	4		10	MC067	Re-run 50X
Q3829	M65720-3	M033	MS13820	VTO15STD	5		10	MC017	Re-run 20X
Q3830	M65720-4	M145	MS13820	VTO15STD	6		10	MC053	Rerun 40X
Q3831	M65720-5	M015	MS13820	VTO15STD	7		10	MC002	Rerun 40X
Q3832	M65720-6	M167	MS13820	VTO15STD	8		10	MC081	Rerun 40X
Q3833	M65720-1	M123	MS13820	VTO15STD	3		20	MC047	Report with Q3826.D
Q3834	M65720-3	M033	MS13820	VTO15STD	5		20	MC017	Report with Q3829.D
Q3835	M65720-4	M145	MS13820	VTO15STD	6		40	MC053	Report with Q3830.D

Standard Lot #	
Calib STD 1	MSA364
Calib STD 2	MSA365
ICV	MSA366
Inter/Surr STD	MSA218
BS/BSD	MSA366

File ID	
Tune File 1	Q3857.D
Tune File 2	NA
Initial Cal.	6-29-07
ID FILE	Q062707T.M
Instrument ID	Q
ICAL:	Q3824.D
Column Type:	RTX-1
Sequence Verified By:	PB 7-2-07

Date:	6/29/2007
Analyst:	PHILIPB
Batch ID:	MSQ207
Matrix:	AIR
Approved By:	DOUGY
Date Approved:	7/6/2007 11:28:35 AM

Data File	Sample ID	Bot #	Work Group #	Test	ALS #	Sample Vol (mls)	Diln Factor	Flow controller ID	Comment
Q3856	CC204-10	M080	MSA366	VTO15STD	2		1	NA	ISTD area low; re-run
Q3857	CC204-10	M080	MSA366	VTO15STD	2		1	NA	O.K. BFB
Q3857A	BS	M080	MSA366	VTO15STD	2		1	NA	O.K.
Q3858	MB	M016	MS13857	VTO15STD	3		1	NA	O.K.
Q3858A	M65889-9	M016	MS13857	VTO15STD	3		1	NA	O.K.
Q3859	M65942-1	M127	MS13857	VTO15STD	3		1	NA	O.K.
Q3860	M65942-1DUP	M127	MS13857	VTO15STD	3		1	NA	O.K.
Q3861	M65942-2	M111	MS13857	VTO15STD	4		1	NA	ISTD low; re-run
Q3862	M65795-2R	M126	MS13857	VTO15STD	5		1	MC108	O.K.
Q3863	M65924-2R	M148	MS13857	VTO15STD	6		20	MC118	Re-run 100X
Q3864	M65925-1	M063	MS13857	VTO15STD	7		20	MC096	Possible carryover; re-run 1X
Q3865	M65926-1	M139	MS13857	VTO15STD	8		20	MC046	Possible carryover; re-run 1X
Q3866	M65889-10	M055	MS13857	VTO15STD	9		1	NA	ISTD low; re-run
Q3867	M65888-1	M143	MS13857	VTO15STD	10		1	NA	ISTD low; re-run
Q3868	M65888-2	M152	MS13857	VTO15STD	11		1	NA	ISTD low; re-run
Q3869	M65888-3	M026	MS13857	VTO15STD	12		1	NA	ISTD low; re-run
Q3870	FCB089	M200	MS13857	VTO15STD	13		1	MC053	O.K.