New England ACCUTEST Laboratories

IT'S ALL IN THE CHEMISTRY

06/11/07

Technical Report for

GEI Consultants, Inc.

Indoor & Outdoor Air Samples Tufts St., Somerville MA

045162

Accutest Job Number: M65137

Sampling Date: 05/29/07

Report to:

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

ATTN: Raymond Siegener, Ph.D.

Total number of pages in report: **297**

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: M65137

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

Sample Number	Collected Date	Time	By	Received	Matrix Code	Type	Client Sample ID
M65137-1	05/29/07	12:17	TAD	05/29/07	AIR	Air	045142-12MORT-SS1
M65137-2	05/29/07	12:28	TAD	05/29/07	AIR	Air	045142-12MORT-SS2

SAMPLE DELIVERY GROUP CASE NARRATIVE

Client:	GEI Consultants, Inc.	**Job No**	M65137
Site:	Indoor & Outdoor Air Samples Tufts St., Somerville MA	**Report Date**	6/11/2007 1:46:15 PM

1 Sample was collected on 05/29/2007 and were received at Accutest on 05/29/2007. These Samples received an Accutest job number of M65137. 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:**	MSQ198

- All samples were analyzed within the recommended method holding time.
- All method blanks for this batch meet method specific criteria.
- Sample(s) M65072-1DUP were used as the QC samples indicated.

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(M65137).

Sample Results

Report of Analysis

Accutest Laboratories

Report of Analysis

Client Sample ID:	045142-12MORT-SS1		
Lab Sample ID:	M65137-1	**Date Sampled:**	05/29/07
Matrix:	AIR - Air Summa ID: M127	**Date Received:**	05/29/07
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	Q3640.D	10	06/06/07	PB	n/a	n/a	MSQ198
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	2.0	ppbv		ND	5.3	ug/m3
56-23-5	153.8	Carbon tetrachloride	ND	2.0	ppbv		ND	13	ug/m3
75-34-3	98.96	1,1-Dichloroethane	ND	2.0	ppbv		ND	8.1	ug/m3
75-35-4	96.94	1,1-Dichloroethylene	ND	2.0	ppbv		ND	7.9	ug/m3
107-06-2	98.96	1,2-Dichloroethane	ND	2.0	ppbv		ND	8.1	ug/m3
156-60-5	96.94	trans-1,2-Dichloroethylene	ND	2.0	ppbv		ND	7.9	ug/m3
156-59-2	96.94	cis-1,2-Dichloroethylene	ND	2.0	ppbv		ND	7.9	ug/m3
71-55-6	133.4	1,1,1-Trichloroethane	ND	2.0	ppbv		ND	11	ug/m3
79-34-5	167.9	1,1,2,2-Tetrachloroethane	ND	2.0	ppbv		ND	14	ug/m3
79-00-5	133.4	1,1,2-Trichloroethane	ND	2.0	ppbv		ND	11	ug/m3
127-18-4	165.8	Tetrachloroethylene	149	2.0	ppbv		1010	14	ug/m3
79-01-6	131.4	Trichloroethylene	ND	2.0	ppbv		ND	11	ug/m3
75-01-4	62.5	Vinyl chloride	ND	2.0	ppbv		ND	5.1	ug/m3

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
460-00-4	4-Bromofluorobenzene	80%		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

ACCUTEST Laboratories

CHAIN OF CUSTODY

Air Sampling Field Data Sheet

FED-EX Tracking #: | Bottle Order Control #: | Lab Quote #: | Lab Job #: M65137

PAGE 1 OF 2

Client / Reporting Information

Company Name: GEI Consultants
Address: 400 Unicorn Park Drive
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: Tufts St.
Street:
City: Somerville State: MA
Project #: 045162
Client Purchase Order #:

Weather Parameters

Temperature (Fahrenheit)
Start: 78.5 Maximum:
Stop: 80.2 Minimum:
Atmospheric Pressure (inches of Hg)
Start: 30.21 Maximum:
Stop: 30.20 Minimum:
Other weather comment:

Requested Analysis

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.	Standard TO-15 Reporting List	MA DEP APH	
M65137-1	045162-12/MORT-SS1	SV	M127	6	M0118	5-29-07	1116	30	—	TAD	5-29-07	1217	4	—	TAD			
HOLD -2	045162-12/MORT-SS2	SV	M135	6	M0106	5-29-07	1124	30	-	TAD	5-29-07	1228	5	-	TAD			HOLD

Turnaround Time (Business days)

Standard - 15 Days
10 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

see attached list of analytes
Please HOLD Sample SS2

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

Relinquished by Laboratory:	Date Time:	Received By:	Relinquished By:	Date Time:	Received By:
1 GEI Lab	5-29-07 730	1 Tom Dangle	2 Tom Dangle	5-29-07 1300	2 GEI lab
Relinquished by: 3	5/29/07 14:30	Received By: 3	Relinquished By: 4	5/29/07 15:30	Received By: 4
Relinquished by: 5	Date Time:	Received By: 5	Custody Seal #		

SM013-01 (07/14/05)

4.1

4

M65137: Chain of Custody
Page 1 of 2

Sub Slab 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

Summa Canister and Flow Controller Log

Job Number: M65137
Account: GEI GEI Consultants, Inc.
Project: Indoor & Outdoor Air Samples Tufts St., Somerville MA
Received: 05/29/07

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
M127	6	29.4	05/24/07	PB	CP418	Q3489.D	M65137-1	06/06/07	PB	2		-1	1
M135	6	29.4	05/24/07	PB	CP418	Q3489.D	M65137-2	06/06/07	PB	3		-1.5	1

FLOW CONTROLLERS

Shipping					Receiving		
Flow Crtl ID	Date Out	By	cc/ min	Time hrs.	Date In	By	cc/ min
MC106	05/24/07	PB	80	1	06/06/07	PB	82.6
MC118	05/24/07	PB	80	1	06/06/07	PB	86.3

Accutest Bottle Order(s):
PB/5-24-07/GEI/TUFTS ST.

Prep Date	Room Temp(F)	Bar Pres "Hg
05/24/07	70	29.92

Internal Sample Tracking Chronicle

GEI Consultants, Inc.

Job No: M65137

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

Sample Number	Method	Analyzed	By	Prepped	By	Test Codes
M65137-1	Collected: 29-MAY-07 12:17 By: TAD		Received: 29-MAY-07 By: RS			
045142-12MORT-SS1						
M65137-1	TO-15	06-JUN-07 21:06	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: M65137
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
MSQ198-MB	Q3633.D	1	06/06/07	PB	n/a	n/a	MSQ198

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

M65137-1

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	85%	57-139%

Blank Spike Summary

Job Number: M65137
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
MSQ198-BS	Q3632A.D	1	06/06/07	PB	n/a	n/a	MSQ198

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

M65137-1

CAS No.	Compound	Spike ppbv	BSP ppbv	BSP %	Limits
75-00-3	Chloroethane	10	8.9	89	70-130
56-23-5	Carbon tetrachloride	10	9.7	97	70-130
75-34-3	1,1-Dichloroethane	10	11.1	111	70-130
75-35-4	1,1-Dichloroethylene	10	9.6	96	70-130
107-06-2	1,2-Dichloroethane	10	10.3	103	70-130
156-60-5	trans-1,2-Dichloroethylene	10	10.5	105	70-130
156-59-2	cis-1,2-Dichloroethylene	10	10.5	105	70-130
71-55-6	1,1,1-Trichloroethane	10	10.3	103	70-130
79-34-5	1,1,2,2-Tetrachloroethane	10	12.2	122	70-130
79-00-5	1,1,2-Trichloroethane	10	11.6	116	70-130
127-18-4	Tetrachloroethylene	10	11.0	110	70-130
79-01-6	Trichloroethylene	10	10.4	104	70-130
75-01-4	Vinyl chloride	10	9.1	91	70-130

CAS No.	Surrogate Recoveries	BSP	Limits
460-00-4	4-Bromofluorobenzene	108%	57-139%

Duplicate Summary

Job Number: M65137
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
M65072-1DUP	Q3636.D	5	06/06/07	PB	n/a	n/a	MSQ198
M65072-1	Q3635.D	5	06/06/07	PB	n/a	n/a	MSQ198

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

M65137-1

CAS No.	Compound	M65072-1 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	M65072-1	Limits
460-00-4	4-Bromofluorobenzene	85%	86%	57-139%

Summa Cleaning Certification

Job Number: M65137
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
MSQ189-SCC	Q3484.D	1	05/22/07	PB	n/a	n/a	MSQ189

The QC reported here (Summa M127) applies to the following samples: **Method:** TO-15

Batch CP418 cleaned 05/21/07: M65137-1(M127)

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	91%	57-139%

Instrument Performance Check (BFB)

Job Number: M65137
Account: GEI GEI Consultants, Inc.
Project: Indoor & Outdoor Air Samples Tufts St., Somerville MA

Sample: MSQ189-BFB
Lab File ID: Q3474.D
Instrument ID: GCMSQ
Injection Date: 05/21/07
Injection Time: 17:28

m/e	Ion Abundance Criteria	Raw Abundance	% Relative Abundance		Pass/Fail
50	8.0 - 40.0% of mass 95	22954	27.2		Pass
75	30.0 - 66.0% of mass 95	51517	61.1		Pass
95	Base peak, 100% relative abundance	84362	100.0		Pass
96	5.0 - 9.0% of mass 95	6194	7.3		Pass
173	Less than 2.0% of mass 174	333	0.39	(0.53) [a]	Pass
174	50.0 - 120.0% of mass 95	63384	75.1		Pass
175	4.0 - 9.0% of mass 174	4070	4.8	(6.4) [a]	Pass
176	93.0 - 101.0% of mass 174	61098	72.4	(96.4) [a]	Pass
177	5.0 - 9.0% of mass 176	4693	5.6	(7.7) [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
MSQ189-IC189	Q3474.D	05/21/07	17:28	00:00	Initial cal 40
MSQ189-IC189	Q3475.D	05/21/07	18:09	00:41	Initial cal 20
MSQ189-ICC189	Q3476.D	05/21/07	18:52	01:24	Initial cal 10
MSQ189-IC189	Q3477.D	05/21/07	19:34	02:06	Initial cal 5
MSQ189-IC189	Q3478.D	05/21/07	20:17	02:49	Initial cal 2
MSQ189-IC189	Q3479.D	05/21/07	21:00	03:32	Initial cal .5
MSQ189-IC189	Q3480.D	05/21/07	21:43	04:15	Initial cal .2
MSQ189-ICV189	Q3482.D	05/22/07	09:55	16:27	Initial cal verification 10
MSQ189-SCC	Q3483.D	05/22/07	11:26	17:58	Summa Cleaning Certification
MSQ189-SCC	Q3484.D	05/22/07	12:07	18:39	Summa Cleaning Certification
MSQ189-SCC	Q3485.D	05/22/07	12:50	19:22	Summa Cleaning Certification
MSQ189-SCC	Q3486.D	05/22/07	14:26	20:58	Summa Cleaning Certification
MSQ189-SCC	Q3487.D	05/22/07	15:08	21:40	Summa Cleaning Certification
MSQ189-SCC	Q3489.D	05/22/07	16:34	23:06	Summa Cleaning Certification

Instrument Performance Check (BFB)

Job Number: M65137
Account: GEI GEI Consultants, Inc.
Project: Indoor & Outdoor Air Samples Tufts St., Somerville MA

Sample: MSQ197-BFB
Lab File ID: Q3622.D
Instrument ID: GCMSQ
Injection Date: 06/05/07
Injection Time: 15:03

m/e	Ion Abundance Criteria	Raw Abundance	% Relative Abundance		Pass/Fail
50	8.0 - 40.0% of mass 95	9432	33.1		Pass
75	30.0 - 66.0% of mass 95	18250	64.1		Pass
95	Base peak, 100% relative abundance	28492	100.0		Pass
96	5.0 - 9.0% of mass 95	2005	7.0		Pass
173	Less than 2.0% of mass 174	243	0.85	(1.0) [a]	Pass
174	50.0 - 120.0% of mass 95	24260	85.1		Pass
175	4.0 - 9.0% of mass 174	1576	5.5	(6.5) [a]	Pass
176	93.0 - 101.0% of mass 174	24100	84.6	(99.3) [a]	Pass
177	5.0 - 9.0% of mass 176	1634	5.7	(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
MSQ197-IC197	Q3622.D	06/05/07	15:03	00:00	Initial cal 4
MSQ197-IC197	Q3623.D	06/05/07	15:47	00:44	Initial cal 40
MSQ197-IC197	Q3624.D	06/05/07	16:30	01:27	Initial cal 20
MSQ197-ICC197	Q3625.D	06/05/07	17:14	02:11	Initial cal 10
MSQ197-IC197	Q3626.D	06/05/07	17:58	02:55	Initial cal 5
MSQ197-IC197	Q3627.D	06/05/07	18:41	03:38	Initial cal 2
MSQ197-IC197	Q3628.D	06/05/07	19:25	04:22	Initial cal .5
MSQ197-IC197	Q3629.D	06/05/07	20:08	05:05	Initial cal .2
MSQ197-ICV197	Q3631.D	06/06/07	14:41	23:38	Initial cal verification 10

Instrument Performance Check (BFB)

Job Number: M65137
Account: GEI GEI Consultants, Inc.
Project: Indoor & Outdoor Air Samples Tufts St., Somerville MA

Sample: MSQ198-BFB
Lab File ID: Q3632.D
Instrument ID: GCMSQ
Injection Date: 06/06/07
Injection Time: 15:26

m/e	Ion Abundance Criteria	Raw Abundance	% Relative Abundance		Pass/Fail
50	8.0 - 40.0% of mass 95	23450	28.4		Pass
75	30.0 - 66.0% of mass 95	48933	59.3		Pass
95	Base peak, 100% relative abundance	82477	100.0		Pass
96	5.0 - 9.0% of mass 95	6092	7.4		Pass
173	Less than 2.0% of mass 174	635	0.77	(0.94) [a]	Pass
174	50.0 - 120.0% of mass 95	67576	81.9		Pass
175	4.0 - 9.0% of mass 174	5327	6.5	(7.9) [a]	Pass
176	93.0 - 101.0% of mass 174	64944	78.7	(96.1) [a]	Pass
177	5.0 - 9.0% of mass 176	4930	6.0	(7.6) [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
MSQ198-CC197	Q3632.D	06/06/07	15:26	00:00	Continuing cal 10
MSQ198-BS	Q3632A.D	06/06/07	15:26	00:00	Blank Spike
MSQ198-MB	Q3633.D	06/06/07	16:10	00:44	Method Blank
MSQ198-SCC	Q3633A.D	06/06/07	16:10	00:44	Summa Cleaning Certification
M65072-1	Q3635.D	06/06/07	17:36	02:10	(used for QC only; not part of job M65137)
M65072-1DUP	Q3636.D	06/06/07	18:18	02:52	Duplicate
ZZZZZZ	Q3637.D	06/06/07	19:00	03:34	(unrelated sample)
ZZZZZZ	Q3638.D	06/06/07	19:42	04:16	(unrelated sample)
ZZZZZZ	Q3639.D	06/06/07	20:24	04:58	(unrelated sample)
M65137-1	Q3640.D	06/06/07	21:06	05:40	045142-12MORT-SS1
ZZZZZZ	Q3641.D	06/06/07	21:48	06:22	(unrelated sample)
MSQ198-SCC	Q3642.D	06/06/07	22:29	07:03	Summa Cleaning Certification
ZZZZZZ	Q3644.D	06/07/07	09:21	17:55	(unrelated sample)
ZZZZZZ	Q3645.D	06/07/07	10:18	18:52	(unrelated sample)

Volatile Internal Standard Area Summary

Job Number: M65137
Account: GEI GEI Consultants, Inc.
Project: Indoor & Outdoor Air Samples Tufts St., Somerville MA

Check Std:	MSQ189-ICC189	**Injection Date:**	05/21/07
Lab File ID:	Q3476.D	**Injection Time:**	18:52
Instrument ID:	GCMSQ	**Method:**	TO-15

	IS 1 AREA	RT	IS 2 AREA	RT	IS 3 AREA	RT
Check Std	78900	8.43	358303	10.35	293813	14.70
Upper Limit [a]	110460	8.76	501624	10.68	411338	15.03
Lower Limit [b]	47340	8.10	214982	10.02	176288	14.37

Lab Sample ID	IS 1 AREA	RT	IS 2 AREA	RT	IS 3 AREA	RT
MSQ189-SCC	70280	8.42	315332	10.34	268901	14.69
MSQ189-SCC	82327	8.43	356617	10.35	307656	14.69
MSQ189-SCC	89672	8.43	372430	10.35	320231	14.69
MSQ189-SCC	84355	8.42	358324	10.34	299171	14.70
MSQ189-SCC	88019	8.42	379486	10.35	324914	14.70
MSQ189-SCC	85834	8.43	371646	10.35	324787	14.70

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.

Volatile Internal Standard Area Summary

Job Number: M65137
Account: GEI GEI Consultants, Inc.
Project: Indoor & Outdoor Air Samples Tufts St., Somerville MA

Check Std:	MSQ198-CC197	**Injection Date:**	06/06/07
Lab File ID:	Q3632.D	**Injection Time:**	15:26
Instrument ID:	GCMSQ	**Method:**	TO-15

	IS 1 AREA	RT	IS 2 AREA	RT	IS 3 AREA	RT
Check Std	62280	8.44	248885	10.35	227029	14.70
Upper Limit [a]	87192	8.77	348439	10.68	317841	15.03
Lower Limit [b]	37368	8.11	149331	10.02	136217	14.37

Lab Sample ID	IS 1 AREA	RT	IS 2 AREA	RT	IS 3 AREA	RT
MSQ198-BS	62280	8.44	248885	10.35	227029	14.70
MSQ198-MB	47631	8.43	197069	10.35	166081	14.69
MSQ198-SCC	47631	8.43	197069	10.35	166081	14.69
M65072-1	57123	8.43	247102	10.35	209396	14.69
M65072-1DUP	57923	8.44	245281	10.35	198649	14.69
ZZZZZZ	56944	8.43	233609	10.35	176945	14.69
ZZZZZZ	62417	8.44	273946	10.36	215276	14.70
ZZZZZZ	48216	8.45	210570	10.36	175730	14.69
M65137-1	40553	8.43	167759	10.36	141807	14.70
ZZZZZZ	44117	8.43	183769	10.35	144944	14.70
MSQ198-SCC	39493	8.43	168337	10.35	136474	14.69
ZZZZZZ	38569	8.43	178095	10.35	147764	14.69
ZZZZZZ	39419	8.44	178699	10.36	172913	14.69

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: M65137
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	
MSQ189-IC189	Q3474.D	05/21/07 17:28	PB	40	GCMSQ	TO-15	Reporting this level
MSQ189-IC189	Q3475.D	05/21/07 18:09	PB	20	GCMSQ	TO-15	
MSQ189-ICC189	Q3476.D	05/21/07 18:52	PB	10	GCMSQ	TO-15	
MSQ189-IC189	Q3477.D	05/21/07 19:34	PB	5	GCMSQ	TO-15	
MSQ189-IC189	Q3478.D	05/21/07 20:17	PB	2	GCMSQ	TO-15	
MSQ189-IC189	Q3479.D	05/21/07 21:00	PB	.5	GCMSQ	TO-15	
MSQ189-IC189	Q3480.D	05/21/07 21:43	PB	.2	GCMSQ	TO-15	

Target Compound	RT (min.)	Istd RT (min.)	Rel RT		Mean Rel RT	Rel RT Range (+/- .06)
Acetone	5.19	8.43	0.616	ok	0.617	0.557-0.677
1,3-Butadiene	4.12	8.43	0.489	ok	0.490	0.430-0.550
Benzene	10.01	10.35	0.967	ok	0.968	0.908-1.028
Bromodichloromethane	11.02	10.35	1.065	ok	1.064	1.004-1.124
Bromoform	15.43	14.70	1.050	ok	1.049	0.989-1.109
Bromomethane	4.40	8.43	0.522	ok	0.523	0.463-0.583
Bromoethene	4.95	8.43	0.587	ok	0.588	0.528-0.648
Benzyl Chloride	17.94	14.70	1.220	ok	1.220	1.160-1.280
Carbon disulfide	6.52	8.43	0.773	ok	0.775	0.715-0.835
Chlorobenzene	14.74	14.70	1.003	ok	1.003	0.943-1.063
Chloroethane	4.57	8.43	0.542	ok	0.544	0.484-0.604
Chloroform	8.56	8.43	1.015	ok	1.015	0.955-1.075
Chloromethane	3.76	8.43	0.446	ok	0.447	0.387-0.507
3-Chloropropene	6.32	8.43	0.750	ok	0.751	0.691-0.811
2-Chlorotoluene	17.04	14.70	1.159	ok	1.159	1.099-1.219
Carbon tetrachloride	10.16	8.43	1.205	ok	1.206	1.146-1.266
Cyclohexane	10.29	10.35	0.994	ok	0.994	0.934-1.054
1,1-Dichloroethane	7.40	8.43	0.878	ok	0.878	0.818-0.938
1,1-Dichloroethylene	6.07	8.43	0.720	ok	0.721	0.661-0.781
1,2-Dibromoethane	13.58	14.70	0.924	ok	0.923	0.863-0.983
1,2-Dichloroethane	9.30	8.43	1.103	ok	1.103	1.043-1.163
1,2-Dichloropropane	10.83	10.35	1.046	ok	1.046	0.986-1.106
1,4-Dioxane	11.04	10.35	1.067	ok	1.067	1.007-1.127
Dichlorodifluoromethane	3.59	8.43	0.426	ok	0.427	0.367-0.487
Dibromochloromethane	13.32	14.70	0.906	ok	0.906	0.846-0.966
trans-1,2-Dichloroethylene	7.18	8.43	0.852	ok	0.853	0.793-0.913
cis-1,2-Dichloroethylene	8.25	8.43	0.979	ok	0.980	0.920-1.040
cis-1,3-Dichloropropene	11.90	10.35	1.150	ok	1.150	1.090-1.210
m-Dichlorobenzene	17.96	14.70	1.222	ok	1.222	1.162-1.282
o-Dichlorobenzene	18.42	14.70	1.253	ok	1.253	1.193-1.313
p-Dichlorobenzene	18.04	14.70	1.227	ok	1.227	1.167-1.287
trans-1,3-Dichloropropene	12.42	10.35	1.200	ok	1.200	1.140-1.260
Ethanol	4.68	8.43	0.555	ok	0.556	0.496-0.616
Ethylbenzene	15.13	14.70	1.029	ok	1.029	0.969-1.089
Ethyl Acetate	8.46	8.43	1.004	ok	1.004	0.944-1.064
4-Ethyltoluene	17.23	14.70	1.172	ok	1.172	1.112-1.232
Freon 113	6.47	8.43	0.767	ok	0.768	0.708-0.828
Freon 114	3.86	8.43	0.458	ok	0.459	0.399-0.519
Heptane	11.33	10.35	1.095	ok	1.095	1.035-1.155
Hexachlorobutadiene	20.81	14.70	1.416	ok	1.416	1.356-1.476
Hexane	8.46	8.43	1.004	ok	1.004	0.944-1.064

Initial Calibration Retention Time/Internal Standard Area Summary

Job Number: M65137
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	
MSQ189-IC189	Q3474.D	05/21/07 17:28	PB	40	GCMSQ	TO-15	Reporting this level
MSQ189-IC189	Q3475.D	05/21/07 18:09	PB	20	GCMSQ	TO-15	
MSQ189-ICC189	Q3476.D	05/21/07 18:52	PB	10	GCMSQ	TO-15	
MSQ189-IC189	Q3477.D	05/21/07 19:34	PB	5	GCMSQ	TO-15	
MSQ189-IC189	Q3478.D	05/21/07 20:17	PB	2	GCMSQ	TO-15	
MSQ189-IC189	Q3479.D	05/21/07 21:00	PB	.5	GCMSQ	TO-15	
MSQ189-IC189	Q3480.D	05/21/07 21:43	PB	.2	GCMSQ	TO-15	

Target Compound	RT (min.)	Istd RT (min.)	Rel RT		Mean Rel RT	Rel RT Range (+/- .06)
2-Hexanone	13.12	14.70	0.893	ok	0.892	0.832-0.952
Isopropylbenzene	16.48	14.70	1.121	ok	1.121	1.061-1.181
Isopropyl Alcohol	5.45	8.43	0.647	ok	0.647	0.587-0.707
Methylene chloride	6.20	8.43	0.735	ok	0.735	0.675-0.795
Methyl ethyl ketone	7.80	8.43	0.925	ok	0.925	0.865-0.985
Methyl Isobutyl Ketone	11.92	10.35	1.152	ok	1.152	1.092-1.212
Methyl Tert Butyl Ether	7.45	8.43	0.884	ok	0.884	0.824-0.944
Nonane	16.04	14.70	1.091	ok	1.091	1.031-1.151
Pentane	5.77	8.43	0.684	ok	0.685	0.625-0.745
Propylene	3.52	8.43	0.418	ok	0.419	0.359-0.479
Styrene	15.71	14.70	1.069	ok	1.069	1.009-1.129
1,1,1-Trichloroethane	9.55	8.43	1.133	ok	1.133	1.073-1.193
1,1,2,2-Tetrachloroethane	15.82	14.70	1.076	ok	1.076	1.016-1.136
1,1,2-Trichloroethane	12.60	10.35	1.217	ok	1.217	1.157-1.277
1,2,4-Trimethylbenzene	17.78	14.70	1.210	ok	1.209	1.149-1.269
1,3,5-Trimethylbenzene	17.31	14.70	1.178	ok	1.178	1.118-1.238
2,2,4-Trimethylpentane	11.08	10.35	1.071	ok	1.071	1.011-1.131
Tertiary Butyl Alcohol	6.09	8.43	0.722	ok	0.723	0.663-0.783
Tetrachloroethylene	14.04	14.70	0.955	ok	0.955	0.895-1.015
Tetrahydrofuran	8.95	8.43	1.062	ok	1.063	1.003-1.123
Toluene	12.89	10.35	1.245	ok	1.245	1.185-1.305
Trichloroethylene	11.05	10.35	1.068	ok	1.068	1.008-1.128
Trichlorofluoromethane	5.39	8.43	0.639	ok	0.640	0.580-0.700
Vinyl chloride	3.99	8.43	0.473	ok	0.473	0.413-0.533
Vinyl Acetate	7.54	8.43	0.894	ok	0.894	0.834-0.954
m,p-Xylene	15.33	14.70	1.043	ok	1.043	0.983-1.103
o-Xylene	15.83	14.70	1.077	ok	1.077	1.017-1.137

Internal Standard	RT (min.)		Mean RT(min.)	RT Range (+/- 0.33)	Area		Mean Area	Area Range (+/- 40 %)
Bromochloromethane	8.43	ok	8.43	8.10-8.76	81469	ok	70239	42143-98335
1,4-Difluorobenzene	10.35	ok	10.35	10.02-10.68	363145	ok	321291	192775-449807
Chlorobenzene-D5	14.70	ok	14.70	14.37-15.03	329063	ok	275768	165461-386075

Initial Calibration Retention Time/Internal Standard Area Summary

Job Number: M65137
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	
MSQ189-IC189	Q3474.D	05/21/07 17:28	PB	40	GCMSQ	TO-15	
MSQ189-IC189	Q3475.D	05/21/07 18:09	PB	20	GCMSQ	TO-15	Reporting this level
MSQ189-ICC189	Q3476.D	05/21/07 18:52	PB	10	GCMSQ	TO-15	
MSQ189-IC189	Q3477.D	05/21/07 19:34	PB	5	GCMSQ	TO-15	
MSQ189-IC189	Q3478.D	05/21/07 20:17	PB	2	GCMSQ	TO-15	
MSQ189-IC189	Q3479.D	05/21/07 21:00	PB	.5	GCMSQ	TO-15	
MSQ189-IC189	Q3480.D	05/21/07 21:43	PB	.2	GCMSQ	TO-15	

Target Compound	RT (min.)	Istd RT (min.)	Rel RT		Mean Rel RT	Rel RT Range (+/- .06)
Acetone	5.20	8.43	0.617	ok	0.617	0.557-0.677
1,3-Butadiene	4.13	8.43	0.490	ok	0.490	0.430-0.550
Benzene	10.02	10.35	0.968	ok	0.968	0.908-1.028
Bromodichloromethane	11.02	10.35	1.065	ok	1.064	1.004-1.124
Bromoform	15.42	14.70	1.049	ok	1.049	0.989-1.109
Bromomethane	4.41	8.43	0.523	ok	0.523	0.463-0.583
Bromoethene	4.95	8.43	0.587	ok	0.588	0.528-0.648
Benzyl Chloride	17.94	14.70	1.220	ok	1.220	1.160-1.280
Carbon disulfide	6.53	8.43	0.775	ok	0.775	0.715-0.835
Chlorobenzene	14.74	14.70	1.003	ok	1.003	0.943-1.063
Chloroethane	4.58	8.43	0.543	ok	0.544	0.484-0.604
Chloroform	8.56	8.43	1.015	ok	1.015	0.955-1.075
Chloromethane	3.77	8.43	0.447	ok	0.447	0.387-0.507
3-Chloropropene	6.33	8.43	0.751	ok	0.751	0.691-0.811
2-Chlorotoluene	17.03	14.70	1.159	ok	1.159	1.099-1.219
Carbon tetrachloride	10.17	8.43	1.206	ok	1.206	1.146-1.266
Cyclohexane	10.29	10.35	0.994	ok	0.994	0.934-1.054
1,1-Dichloroethane	7.40	8.43	0.878	ok	0.878	0.818-0.938
1,1-Dichloroethylene	6.08	8.43	0.721	ok	0.721	0.661-0.781
1,2-Dibromoethane	13.57	14.70	0.923	ok	0.923	0.863-0.983
1,2-Dichloroethane	9.30	8.43	1.103	ok	1.103	1.043-1.163
1,2-Dichloropropane	10.82	10.35	1.045	ok	1.046	0.986-1.106
1,4-Dioxane	11.04	10.35	1.067	ok	1.067	1.007-1.127
Dichlorodifluoromethane	3.60	8.43	0.427	ok	0.427	0.367-0.487
Dibromochloromethane	13.32	14.70	0.906	ok	0.906	0.846-0.966
trans-1,2-Dichloroethylene	7.19	8.43	0.853	ok	0.853	0.793-0.913
cis-1,2-Dichloroethylene	8.25	8.43	0.979	ok	0.980	0.920-1.040
cis-1,3-Dichloropropene	11.90	10.35	1.150	ok	1.150	1.090-1.210
m-Dichlorobenzene	17.96	14.70	1.222	ok	1.222	1.162-1.282
o-Dichlorobenzene	18.42	14.70	1.253	ok	1.253	1.193-1.313
p-Dichlorobenzene	18.03	14.70	1.227	ok	1.227	1.167-1.287
trans-1,3-Dichloropropene	12.41	10.35	1.199	ok	1.200	1.140-1.260
Ethanol	4.68	8.43	0.555	ok	0.556	0.496-0.616
Ethylbenzene	15.13	14.70	1.029	ok	1.029	0.969-1.089
Ethyl Acetate	8.47	8.43	1.005	ok	1.004	0.944-1.064
4-Ethyltoluene	17.22	14.70	1.171	ok	1.172	1.112-1.232
Freon 113	6.48	8.43	0.769	ok	0.768	0.708-0.828
Freon 114	3.87	8.43	0.459	ok	0.459	0.399-0.519
Heptane	11.33	10.35	1.095	ok	1.095	1.035-1.155
Hexachlorobutadiene	20.81	14.70	1.416	ok	1.416	1.356-1.476
Hexane	8.46	8.43	1.004	ok	1.004	0.944-1.064

Initial Calibration Retention Time/Internal Standard Area Summary

Job Number: M65137
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	
MSQ189-IC189	Q3474.D	05/21/07 17:28	PB	40	GCMSQ	TO-15	
MSQ189-IC189	Q3475.D	05/21/07 18:09	PB	20	GCMSQ	TO-15	Reporting this level
MSQ189-ICC189	Q3476.D	05/21/07 18:52	PB	10	GCMSQ	TO-15	
MSQ189-IC189	Q3477.D	05/21/07 19:34	PB	5	GCMSQ	TO-15	
MSQ189-IC189	Q3478.D	05/21/07 20:17	PB	2	GCMSQ	TO-15	
MSQ189-IC189	Q3479.D	05/21/07 21:00	PB	.5	GCMSQ	TO-15	
MSQ189-IC189	Q3480.D	05/21/07 21:43	PB	.2	GCMSQ	TO-15	

Target Compound	RT (min.)	Istd RT (min.)	Rel RT		Mean Rel RT	Rel RT Range (+/- .06)
2-Hexanone	13.12	14.70	0.893	ok	0.892	0.832-0.952
Isopropylbenzene	16.48	14.70	1.121	ok	1.121	1.061-1.181
Isopropyl Alcohol	5.45	8.43	0.647	ok	0.647	0.587-0.707
Methylene chloride	6.20	8.43	0.735	ok	0.735	0.675-0.795
Methyl ethyl ketone	7.80	8.43	0.925	ok	0.925	0.865-0.985
Methyl Isobutyl Ketone	11.92	10.35	1.152	ok	1.152	1.092-1.212
Methyl Tert Butyl Ether	7.45	8.43	0.884	ok	0.884	0.824-0.944
Naphthalene	20.80	14.70	1.415	ok	1.415	1.355-1.475
Nonane	16.03	14.70	1.090	ok	1.091	1.031-1.151
Pentane	5.77	8.43	0.684	ok	0.685	0.625-0.745
Propylene	3.53	8.43	0.419	ok	0.419	0.359-0.479
Styrene	15.71	14.70	1.069	ok	1.069	1.009-1.129
1,1,1-Trichloroethane	9.56	8.43	1.134	ok	1.133	1.073-1.193
1,1,2,2-Tetrachloroethane	15.82	14.70	1.076	ok	1.076	1.016-1.136
1,1,2-Trichloroethane	12.60	10.35	1.217	ok	1.217	1.157-1.277
1,2,4-Trichlorobenzene	20.32	14.70	1.382	ok	1.383	1.323-1.443
1,2,4-Trimethylbenzene	17.78	14.70	1.210	ok	1.209	1.149-1.269
1,3,5-Trimethylbenzene	17.31	14.70	1.178	ok	1.178	1.118-1.238
2,2,4-Trimethylpentane	11.08	10.35	1.071	ok	1.071	1.011-1.131
Tertiary Butyl Alcohol	6.10	8.43	0.724	ok	0.723	0.663-0.783
Tetrachloroethylene	14.04	14.70	0.955	ok	0.955	0.895-1.015
Tetrahydrofuran	8.96	8.43	1.063	ok	1.063	1.003-1.123
Toluene	12.89	10.35	1.245	ok	1.245	1.185-1.305
Trichloroethylene	11.05	10.35	1.068	ok	1.068	1.008-1.128
Trichlorofluoromethane	5.40	8.43	0.641	ok	0.640	0.580-0.700
Vinyl chloride	3.99	8.43	0.473	ok	0.473	0.413-0.533
Vinyl Acetate	7.54	8.43	0.894	ok	0.894	0.834-0.954
m,p-Xylene	15.33	14.70	1.043	ok	1.043	0.983-1.103
o-Xylene	15.83	14.70	1.077	ok	1.077	1.017-1.137

Internal Standard	RT (min.)		Mean RT(min.)	RT Range (+/- 0.33)	Area		Mean Area	Area Range (+/- 40 %)
Bromochloromethane	8.43	ok	8.43	8.10-8.76	79073	ok	70239	42143-98335
1,4-Difluorobenzene	10.35	ok	10.35	10.02-10.68	373198	ok	321291	192775-449807
Chlorobenzene-D5	14.70	ok	14.70	14.37-15.03	314580	ok	275768	165461-386075

Initial Calibration Retention Time/Internal Standard Area Summary

Job Number: M65137
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	
MSQ189-IC189	Q3474.D	05/21/07 17:28	PB	40	GCMSQ	TO-15	
MSQ189-IC189	Q3475.D	05/21/07 18:09	PB	20	GCMSQ	TO-15	
MSQ189-ICC189	Q3476.D	05/21/07 18:52	PB	10	GCMSQ	TO-15	Reporting this level
MSQ189-IC189	Q3477.D	05/21/07 19:34	PB	5	GCMSQ	TO-15	
MSQ189-IC189	Q3478.D	05/21/07 20:17	PB	2	GCMSQ	TO-15	
MSQ189-IC189	Q3479.D	05/21/07 21:00	PB	.5	GCMSQ	TO-15	
MSQ189-IC189	Q3480.D	05/21/07 21:43	PB	.2	GCMSQ	TO-15	

Target Compound	RT (min.)	Istd RT (min.)	Rel RT		Mean Rel RT	Rel RT Range (+/- .06)
Acetone	5.20	8.43	0.617	ok	0.617	0.557-0.677
1,3-Butadiene	4.13	8.43	0.490	ok	0.490	0.430-0.550
Benzene	10.01	10.35	0.967	ok	0.968	0.908-1.028
Bromodichloromethane	11.01	10.35	1.064	ok	1.064	1.004-1.124
Bromoform	15.42	14.70	1.049	ok	1.049	0.989-1.109
Bromomethane	4.41	8.43	0.523	ok	0.523	0.463-0.583
Bromoethene	4.95	8.43	0.587	ok	0.588	0.528-0.648
Benzyl Chloride	17.94	14.70	1.220	ok	1.220	1.160-1.280
Carbon disulfide	6.53	8.43	0.775	ok	0.775	0.715-0.835
Chlorobenzene	14.74	14.70	1.003	ok	1.003	0.943-1.063
Chloroethane	4.58	8.43	0.543	ok	0.544	0.484-0.604
Chloroform	8.56	8.43	1.015	ok	1.015	0.955-1.075
Chloromethane	3.77	8.43	0.447	ok	0.447	0.387-0.507
3-Chloropropene	6.33	8.43	0.751	ok	0.751	0.691-0.811
2-Chlorotoluene	17.03	14.70	1.159	ok	1.159	1.099-1.219
Carbon tetrachloride	10.16	8.43	1.205	ok	1.206	1.146-1.266
Cyclohexane	10.29	10.35	0.994	ok	0.994	0.934-1.054
1,1-Dichloroethane	7.40	8.43	0.878	ok	0.878	0.818-0.938
1,1-Dichloroethylene	6.08	8.43	0.721	ok	0.721	0.661-0.781
1,2-Dibromoethane	13.57	14.70	0.923	ok	0.923	0.863-0.983
1,2-Dichloroethane	9.30	8.43	1.103	ok	1.103	1.043-1.163
1,2-Dichloropropane	10.82	10.35	1.045	ok	1.046	0.986-1.106
1,4-Dioxane	11.05	10.35	1.068	ok	1.067	1.007-1.127
Dichlorodifluoromethane	3.60	8.43	0.427	ok	0.427	0.367-0.487
Dibromochloromethane	13.32	14.70	0.906	ok	0.906	0.846-0.966
trans-1,2-Dichloroethylene	7.19	8.43	0.853	ok	0.853	0.793-0.913
cis-1,2-Dichloroethylene	8.26	8.43	0.980	ok	0.980	0.920-1.040
cis-1,3-Dichloropropene	11.90	10.35	1.150	ok	1.150	1.090-1.210
m-Dichlorobenzene	17.96	14.70	1.222	ok	1.222	1.162-1.282
o-Dichlorobenzene	18.42	14.70	1.253	ok	1.253	1.193-1.313
p-Dichlorobenzene	18.03	14.70	1.227	ok	1.227	1.167-1.287
trans-1,3-Dichloropropene	12.42	10.35	1.200	ok	1.200	1.140-1.260
Ethanol	4.68	8.43	0.555	ok	0.556	0.496-0.616
Ethylbenzene	15.13	14.70	1.029	ok	1.029	0.969-1.089
Ethyl Acetate	8.47	8.43	1.005	ok	1.004	0.944-1.064
4-Ethyltoluene	17.22	14.70	1.171	ok	1.172	1.112-1.232
Freon 113	6.48	8.43	0.769	ok	0.768	0.708-0.828
Freon 114	3.87	8.43	0.459	ok	0.459	0.399-0.519
Heptane	11.33	10.35	1.095	ok	1.095	1.035-1.155
Hexachlorobutadiene	20.81	14.70	1.416	ok	1.416	1.356-1.476
Hexane	8.46	8.43	1.004	ok	1.004	0.944-1.064

Initial Calibration Retention Time/Internal Standard Area Summary

Job Number: M65137
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	
MSQ189-IC189	Q3474.D	05/21/07 17:28	PB	40	GCMSQ	TO-15	
MSQ189-IC189	Q3475.D	05/21/07 18:09	PB	20	GCMSQ	TO-15	
MSQ189-ICC189	Q3476.D	05/21/07 18:52	PB	10	GCMSQ	TO-15	Reporting this level
MSQ189-IC189	Q3477.D	05/21/07 19:34	PB	5	GCMSQ	TO-15	
MSQ189-IC189	Q3478.D	05/21/07 20:17	PB	2	GCMSQ	TO-15	
MSQ189-IC189	Q3479.D	05/21/07 21:00	PB	.5	GCMSQ	TO-15	
MSQ189-IC189	Q3480.D	05/21/07 21:43	PB	.2	GCMSQ	TO-15	

Target Compound	RT (min.)	Istd RT (min.)	Rel RT		Mean Rel RT	Rel RT Range (+/- .06)
2-Hexanone	13.11	14.70	0.892	ok	0.892	0.832-0.952
Isopropylbenzene	16.48	14.70	1.121	ok	1.121	1.061-1.181
Isopropyl Alcohol	5.45	8.43	0.647	ok	0.647	0.587-0.707
Methylene chloride	6.20	8.43	0.735	ok	0.735	0.675-0.795
Methyl ethyl ketone	7.80	8.43	0.925	ok	0.925	0.865-0.985
Methyl Isobutyl Ketone	11.92	10.35	1.152	ok	1.152	1.092-1.212
Methyl Tert Butyl Ether	7.45	8.43	0.884	ok	0.884	0.824-0.944
Nonane	16.03	14.70	1.090	ok	1.091	1.031-1.151
Pentane	5.78	8.43	0.686	ok	0.685	0.625-0.745
Propylene	3.53	8.43	0.419	ok	0.419	0.359-0.479
Styrene	15.71	14.70	1.069	ok	1.069	1.009-1.129
1,1,1-Trichloroethane	9.55	8.43	1.133	ok	1.133	1.073-1.193
1,1,2,2-Tetrachloroethane	15.81	14.70	1.076	ok	1.076	1.016-1.136
1,1,2-Trichloroethane	12.60	10.35	1.217	ok	1.217	1.157-1.277
1,2,4-Trichlorobenzene	20.32	14.70	1.382	ok	1.383	1.323-1.443
1,2,4-Trimethylbenzene	17.77	14.70	1.209	ok	1.209	1.149-1.269
1,3,5-Trimethylbenzene	17.31	14.70	1.178	ok	1.178	1.118-1.238
2,2,4-Trimethylpentane	11.08	10.35	1.071	ok	1.071	1.011-1.131
Tertiary Butyl Alcohol	6.09	8.43	0.722	ok	0.723	0.663-0.783
Tetrachloroethylene	14.04	14.70	0.955	ok	0.955	0.895-1.015
Tetrahydrofuran	8.96	8.43	1.063	ok	1.063	1.003-1.123
Toluene	12.88	10.35	1.244	ok	1.245	1.185-1.305
Trichloroethylene	11.05	10.35	1.068	ok	1.068	1.008-1.128
Trichlorofluoromethane	5.40	8.43	0.641	ok	0.640	0.580-0.700
Vinyl chloride	3.99	8.43	0.473	ok	0.473	0.413-0.533
Vinyl Acetate	7.54	8.43	0.894	ok	0.894	0.834-0.954
m,p-Xylene	15.33	14.70	1.043	ok	1.043	0.983-1.103
o-Xylene	15.83	14.70	1.077	ok	1.077	1.017-1.137

Internal Standard	RT (min.)		Mean RT(min.)	RT Range (+/- 0.33)	Area		Mean Area	Area Range (+/- 40 %)
Bromochloromethane	8.43	ok	8.43	8.10-8.76	78900	ok	70239	42143-98335
1,4-Difluorobenzene	10.35	ok	10.35	10.02-10.68	358303	ok	321291	192775-449807
Chlorobenzene-D5	14.70	ok	14.70	14.37-15.03	293813	ok	275768	165461-386075

Initial Calibration Retention Time/Internal Standard Area Summary

Job Number: M65137
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	
MSQ189-IC189	Q3474.D	05/21/07 17:28	PB	40	GCMSQ	TO-15	
MSQ189-IC189	Q3475.D	05/21/07 18:09	PB	20	GCMSQ	TO-15	
MSQ189-ICC189	Q3476.D	05/21/07 18:52	PB	10	GCMSQ	TO-15	
MSQ189-IC189	Q3477.D	05/21/07 19:34	PB	5	GCMSQ	TO-15	Reporting this level
MSQ189-IC189	Q3478.D	05/21/07 20:17	PB	2	GCMSQ	TO-15	
MSQ189-IC189	Q3479.D	05/21/07 21:00	PB	.5	GCMSQ	TO-15	
MSQ189-IC189	Q3480.D	05/21/07 21:43	PB	.2	GCMSQ	TO-15	

Target Compound	RT (min.)	Istd RT (min.)	Rel RT		Mean Rel RT	Rel RT Range (+/- .06)
Acetone	5.20	8.43	0.617	ok	0.617	0.557-0.677
1,3-Butadiene	4.13	8.43	0.490	ok	0.490	0.430-0.550
Benzene	10.02	10.35	0.968	ok	0.968	0.908-1.028
Bromodichloromethane	11.01	10.35	1.064	ok	1.064	1.004-1.124
Bromoform	15.42	14.69	1.050	ok	1.049	0.989-1.109
Bromomethane	4.41	8.43	0.523	ok	0.523	0.463-0.583
Bromoethene	4.96	8.43	0.588	ok	0.588	0.528-0.648
Benzyl Chloride	17.94	14.69	1.221	ok	1.220	1.160-1.280
Carbon disulfide	6.53	8.43	0.775	ok	0.775	0.715-0.835
Chlorobenzene	14.74	14.69	1.003	ok	1.003	0.943-1.063
Chloroethane	4.58	8.43	0.543	ok	0.544	0.484-0.604
Chloroform	8.56	8.43	1.015	ok	1.015	0.955-1.075
Chloromethane	3.77	8.43	0.447	ok	0.447	0.387-0.507
3-Chloropropene	6.33	8.43	0.751	ok	0.751	0.691-0.811
2-Chlorotoluene	17.03	14.69	1.159	ok	1.159	1.099-1.219
Carbon tetrachloride	10.16	8.43	1.205	ok	1.206	1.146-1.266
Cyclohexane	10.29	10.35	0.994	ok	0.994	0.934-1.054
1,1-Dichloroethane	7.40	8.43	0.878	ok	0.878	0.818-0.938
1,1-Dichloroethylene	6.08	8.43	0.721	ok	0.721	0.661-0.781
1,2-Dibromoethane	13.57	14.69	0.924	ok	0.923	0.863-0.983
1,2-Dichloroethane	9.30	8.43	1.103	ok	1.103	1.043-1.163
1,2-Dichloropropane	10.82	10.35	1.045	ok	1.046	0.986-1.106
1,4-Dioxane	11.04	10.35	1.067	ok	1.067	1.007-1.127
Dichlorodifluoromethane	3.60	8.43	0.427	ok	0.427	0.367-0.487
Dibromochloromethane	13.32	14.69	0.907	ok	0.906	0.846-0.966
trans-1,2-Dichloroethylene	7.19	8.43	0.853	ok	0.853	0.793-0.913
cis-1,2-Dichloroethylene	8.26	8.43	0.980	ok	0.980	0.920-1.040
cis-1,3-Dichloropropene	11.90	10.35	1.150	ok	1.150	1.090-1.210
m-Dichlorobenzene	17.96	14.69	1.223	ok	1.222	1.162-1.282
o-Dichlorobenzene	18.42	14.69	1.254	ok	1.253	1.193-1.313
p-Dichlorobenzene	18.03	14.69	1.227	ok	1.227	1.167-1.287
trans-1,3-Dichloropropene	12.41	10.35	1.199	ok	1.200	1.140-1.260
Ethanol	4.68	8.43	0.555	ok	0.556	0.496-0.616
Ethylbenzene	15.13	14.69	1.030	ok	1.029	0.969-1.089
Ethyl Acetate	8.47	8.43	1.005	ok	1.004	0.944-1.064
4-Ethyltoluene	17.23	14.69	1.173	ok	1.172	1.112-1.232
Freon 113	6.47	8.43	0.767	ok	0.768	0.708-0.828
Freon 114	3.87	8.43	0.459	ok	0.459	0.399-0.519
Heptane	11.33	10.35	1.095	ok	1.095	1.035-1.155
Hexachlorobutadiene	20.81	14.69	1.417	ok	1.416	1.356-1.476
Hexane	8.47	8.43	1.005	ok	1.004	0.944-1.064

Initial Calibration Retention Time/Internal Standard Area Summary

Job Number: M65137
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	
MSQ189-IC189	Q3474.D	05/21/07 17:28	PB	40	GCMSQ	TO-15	
MSQ189-IC189	Q3475.D	05/21/07 18:09	PB	20	GCMSQ	TO-15	
MSQ189-ICC189	Q3476.D	05/21/07 18:52	PB	10	GCMSQ	TO-15	
MSQ189-IC189	Q3477.D	05/21/07 19:34	PB	5	GCMSQ	TO-15	Reporting this level
MSQ189-IC189	Q3478.D	05/21/07 20:17	PB	2	GCMSQ	TO-15	
MSQ189-IC189	Q3479.D	05/21/07 21:00	PB	.5	GCMSQ	TO-15	
MSQ189-IC189	Q3480.D	05/21/07 21:43	PB	.2	GCMSQ	TO-15	

Target Compound	RT (min.)	Istd RT (min.)	Rel RT		Mean Rel RT	Rel RT Range (+/- .06)
2-Hexanone	13.11	14.69	0.892	ok	0.892	0.832-0.952
Isopropylbenzene	16.48	14.69	1.122	ok	1.121	1.061-1.181
Isopropyl Alcohol	5.45	8.43	0.647	ok	0.647	0.587-0.707
Methylene chloride	6.20	8.43	0.735	ok	0.735	0.675-0.795
Methyl ethyl ketone	7.80	8.43	0.925	ok	0.925	0.865-0.985
Methyl Isobutyl Ketone	11.92	10.35	1.152	ok	1.152	1.092-1.212
Methyl Tert Butyl Ether	7.45	8.43	0.884	ok	0.884	0.824-0.944
Nonane	16.03	14.69	1.091	ok	1.091	1.031-1.151
Pentane	5.78	8.43	0.686	ok	0.685	0.625-0.745
Propylene	3.54	8.43	0.420	ok	0.419	0.359-0.479
Styrene	15.71	14.69	1.069	ok	1.069	1.009-1.129
1,1,1-Trichloroethane	9.55	8.43	1.133	ok	1.133	1.073-1.193
1,1,2,2-Tetrachloroethane	15.82	14.69	1.077	ok	1.076	1.016-1.136
1,1,2-Trichloroethane	12.60	10.35	1.217	ok	1.217	1.157-1.277
1,2,4-Trichlorobenzene	20.33	14.69	1.384	ok	1.383	1.323-1.443
1,2,4-Trimethylbenzene	17.77	14.69	1.210	ok	1.209	1.149-1.269
1,3,5-Trimethylbenzene	17.31	14.69	1.178	ok	1.178	1.118-1.238
2,2,4-Trimethylpentane	11.08	10.35	1.071	ok	1.071	1.011-1.131
Tertiary Butyl Alcohol	6.10	8.43	0.724	ok	0.723	0.663-0.783
Tetrachloroethylene	14.03	14.69	0.955	ok	0.955	0.895-1.015
Tetrahydrofuran	8.96	8.43	1.063	ok	1.063	1.003-1.123
Toluene	12.88	10.35	1.244	ok	1.245	1.185-1.305
Trichloroethylene	11.06	10.35	1.069	ok	1.068	1.008-1.128
Trichlorofluoromethane	5.40	8.43	0.641	ok	0.640	0.580-0.700
Vinyl chloride	3.99	8.43	0.473	ok	0.473	0.413-0.533
Vinyl Acetate	7.54	8.43	0.894	ok	0.894	0.834-0.954
m,p-Xylene	15.32	14.69	1.043	ok	1.043	0.983-1.103
o-Xylene	15.83	14.69	1.078	ok	1.077	1.017-1.137

Internal Standard	RT (min.)		Mean RT(min.)	RT Range (+/- 0.33)	Area		Mean Area	Area Range (+/- 40 %)
Bromochloromethane	8.43	ok	8.43	8.10-8.76	71655	ok	70239	42143-98335
1,4-Difluorobenzene	10.35	ok	10.35	10.02-10.68	344891	ok	321291	192775-449807
Chlorobenzene-D5	14.69	ok	14.70	14.37-15.03	288502	ok	275768	165461-386075

Initial Calibration Retention Time/Internal Standard Area Summary

Job Number: M65137
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	
MSQ189-IC189	Q3474.D	05/21/07 17:28	PB	40	GCMSQ	TO-15	
MSQ189-IC189	Q3475.D	05/21/07 18:09	PB	20	GCMSQ	TO-15	
MSQ189-ICC189	Q3476.D	05/21/07 18:52	PB	10	GCMSQ	TO-15	
MSQ189-IC189	Q3477.D	05/21/07 19:34	PB	5	GCMSQ	TO-15	
MSQ189-IC189	Q3478.D	05/21/07 20:17	PB	2	GCMSQ	TO-15	Reporting this level
MSQ189-IC189	Q3479.D	05/21/07 21:00	PB	.5	GCMSQ	TO-15	
MSQ189-IC189	Q3480.D	05/21/07 21:43	PB	.2	GCMSQ	TO-15	

Target Compound	RT (min.)	Istd RT (min.)	Rel RT		Mean Rel RT	Rel RT Range (+/- .06)
Acetone	5.20	8.43	0.617	ok	0.617	0.557-0.677
1,3-Butadiene	4.13	8.43	0.490	ok	0.490	0.430-0.550
Benzene	10.01	10.35	0.967	ok	0.968	0.908-1.028
Bromodichloromethane	11.01	10.35	1.064	ok	1.064	1.004-1.124
Bromoform	15.42	14.70	1.049	ok	1.049	0.989-1.109
Bromomethane	4.41	8.43	0.523	ok	0.523	0.463-0.583
Bromoethene	4.95	8.43	0.587	ok	0.588	0.528-0.648
Benzyl Chloride	17.93	14.70	1.220	ok	1.220	1.160-1.280
Carbon disulfide	6.54	8.43	0.776	ok	0.775	0.715-0.835
Chlorobenzene	14.74	14.70	1.003	ok	1.003	0.943-1.063
Chloroethane	4.59	8.43	0.544	ok	0.544	0.484-0.604
Chloroform	8.55	8.43	1.014	ok	1.015	0.955-1.075
Chloromethane	3.77	8.43	0.447	ok	0.447	0.387-0.507
3-Chloropropene	6.33	8.43	0.751	ok	0.751	0.691-0.811
2-Chlorotoluene	17.03	14.70	1.159	ok	1.159	1.099-1.219
Carbon tetrachloride	10.16	8.43	1.205	ok	1.206	1.146-1.266
Cyclohexane	10.29	10.35	0.994	ok	0.994	0.934-1.054
1,1-Dichloroethane	7.40	8.43	0.878	ok	0.878	0.818-0.938
1,1-Dichloroethylene	6.08	8.43	0.721	ok	0.721	0.661-0.781
1,2-Dibromoethane	13.57	14.70	0.923	ok	0.923	0.863-0.983
1,2-Dichloroethane	9.30	8.43	1.103	ok	1.103	1.043-1.163
1,2-Dichloropropane	10.83	10.35	1.046	ok	1.046	0.986-1.106
1,4-Dioxane	11.05	10.35	1.068	ok	1.067	1.007-1.127
Dichlorodifluoromethane	3.60	8.43	0.427	ok	0.427	0.367-0.487
Dibromochloromethane	13.32	14.70	0.906	ok	0.906	0.846-0.966
trans-1,2-Dichloroethylene	7.19	8.43	0.853	ok	0.853	0.793-0.913
cis-1,2-Dichloroethylene	8.26	8.43	0.980	ok	0.980	0.920-1.040
cis-1,3-Dichloropropene	11.90	10.35	1.150	ok	1.150	1.090-1.210
m-Dichlorobenzene	17.96	14.70	1.222	ok	1.222	1.162-1.282
o-Dichlorobenzene	18.42	14.70	1.253	ok	1.253	1.193-1.313
p-Dichlorobenzene	18.03	14.70	1.227	ok	1.227	1.167-1.287
trans-1,3-Dichloropropene	12.42	10.35	1.200	ok	1.200	1.140-1.260
Ethanol	4.69	8.43	0.556	ok	0.556	0.496-0.616
Ethylbenzene	15.13	14.70	1.029	ok	1.029	0.969-1.089
Ethyl Acetate	8.46	8.43	1.004	ok	1.004	0.944-1.064
4-Ethyltoluene	17.22	14.70	1.171	ok	1.172	1.112-1.232
Freon 113	6.48	8.43	0.769	ok	0.768	0.708-0.828
Freon 114	3.87	8.43	0.459	ok	0.459	0.399-0.519
Heptane	11.33	10.35	1.095	ok	1.095	1.035-1.155
Hexachlorobutadiene	20.81	14.70	1.416	ok	1.416	1.356-1.476
Hexane	8.46	8.43	1.004	ok	1.004	0.944-1.064

Initial Calibration Retention Time/Internal Standard Area Summary

Job Number: M65137
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	
MSQ189-IC189	Q3474.D	05/21/07 17:28	PB	40	GCMSQ	TO-15	
MSQ189-IC189	Q3475.D	05/21/07 18:09	PB	20	GCMSQ	TO-15	
MSQ189-ICC189	Q3476.D	05/21/07 18:52	PB	10	GCMSQ	TO-15	
MSQ189-IC189	Q3477.D	05/21/07 19:34	PB	5	GCMSQ	TO-15	
MSQ189-IC189	Q3478.D	05/21/07 20:17	PB	2	GCMSQ	TO-15	Reporting this level
MSQ189-IC189	Q3479.D	05/21/07 21:00	PB	.5	GCMSQ	TO-15	
MSQ189-IC189	Q3480.D	05/21/07 21:43	PB	.2	GCMSQ	TO-15	

Target Compound	RT (min.)	Istd RT (min.)	Rel RT		Mean Rel RT	Rel RT Range (+/- .06)
2-Hexanone	13.11	14.70	0.892	ok	0.892	0.832-0.952
Isopropylbenzene	16.48	14.70	1.121	ok	1.121	1.061-1.181
Isopropyl Alcohol	5.46	8.43	0.648	ok	0.647	0.587-0.707
Methylene chloride	6.20	8.43	0.735	ok	0.735	0.675-0.795
Methyl ethyl ketone	7.80	8.43	0.925	ok	0.925	0.865-0.985
Methyl Isobutyl Ketone	11.92	10.35	1.152	ok	1.152	1.092-1.212
Methyl Tert Butyl Ether	7.45	8.43	0.884	ok	0.884	0.824-0.944
Nonane	16.03	14.70	1.090	ok	1.091	1.031-1.151
Pentane	5.78	8.43	0.686	ok	0.685	0.625-0.745
Propylene	3.53	8.43	0.419	ok	0.419	0.359-0.479
Styrene	15.71	14.70	1.069	ok	1.069	1.009-1.129
1,1,1-Trichloroethane	9.55	8.43	1.133	ok	1.133	1.073-1.193
1,1,2,2-Tetrachloroethane	15.82	14.70	1.076	ok	1.076	1.016-1.136
1,1,2-Trichloroethane	12.60	10.35	1.217	ok	1.217	1.157-1.277
1,2,4-Trichlorobenzene	20.32	14.70	1.382	ok	1.383	1.323-1.443
1,2,4-Trimethylbenzene	17.78	14.70	1.210	ok	1.209	1.149-1.269
1,3,5-Trimethylbenzene	17.31	14.70	1.178	ok	1.178	1.118-1.238
2,2,4-Trimethylpentane	11.08	10.35	1.071	ok	1.071	1.011-1.131
Tertiary Butyl Alcohol	6.10	8.43	0.724	ok	0.723	0.663-0.783
Tetrachloroethylene	14.03	14.70	0.954	ok	0.955	0.895-1.015
Tetrahydrofuran	8.96	8.43	1.063	ok	1.063	1.003-1.123
Toluene	12.89	10.35	1.245	ok	1.245	1.185-1.305
Trichloroethylene	11.05	10.35	1.068	ok	1.068	1.008-1.128
Trichlorofluoromethane	5.40	8.43	0.641	ok	0.640	0.580-0.700
Vinyl chloride	3.99	8.43	0.473	ok	0.473	0.413-0.533
Vinyl Acetate	7.54	8.43	0.894	ok	0.894	0.834-0.954
m,p-Xylene	15.31	14.70	1.041	ok	1.043	0.983-1.103
o-Xylene	15.83	14.70	1.077	ok	1.077	1.017-1.137

Internal Standard	RT (min.)		Mean RT(min.)	RT Range (+/- 0.33)	Area		Mean Area	Area Range (+/- 40 %)
Bromochloromethane	8.43	ok	8.43	8.10-8.76	65307	ok	70239	42143-98335
1,4-Difluorobenzene	10.35	ok	10.35	10.02-10.68	269535	ok	321291	192775-449807
Chlorobenzene-D5	14.70	ok	14.70	14.37-15.03	228997	ok	275768	165461-386075

Initial Calibration Retention Time/Internal Standard Area Summary

Job Number: M65137
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	
MSQ189-IC189	Q3474.D	05/21/07 17:28	PB	40	GCMSQ	TO-15	
MSQ189-IC189	Q3475.D	05/21/07 18:09	PB	20	GCMSQ	TO-15	
MSQ189-ICC189	Q3476.D	05/21/07 18:52	PB	10	GCMSQ	TO-15	
MSQ189-IC189	Q3477.D	05/21/07 19:34	PB	5	GCMSQ	TO-15	
MSQ189-IC189	Q3478.D	05/21/07 20:17	PB	2	GCMSQ	TO-15	
MSQ189-IC189	Q3479.D	05/21/07 21:00	PB	.5	GCMSQ	TO-15	Reporting this level
MSQ189-IC189	Q3480.D	05/21/07 21:43	PB	.2	GCMSQ	TO-15	

Target Compound	RT (min.)	Istd RT (min.)	Rel RT		Mean Rel RT	Rel RT Range (+/- .06)
Acetone	5.21	8.43	0.618	ok	0.617	0.557-0.677
1,3-Butadiene	4.13	8.43	0.490	ok	0.490	0.430-0.550
Benzene	10.01	10.34	0.968	ok	0.968	0.908-1.028
Bromodichloromethane	11.01	10.34	1.065	ok	1.064	1.004-1.124
Bromoform	15.42	14.70	1.049	ok	1.049	0.989-1.109
Bromomethane	4.41	8.43	0.523	ok	0.523	0.463-0.583
Bromoethene	4.95	8.43	0.587	ok	0.588	0.528-0.648
Benzyl Chloride	17.94	14.70	1.220	ok	1.220	1.160-1.280
Carbon disulfide	6.53	8.43	0.775	ok	0.775	0.715-0.835
Chlorobenzene	14.74	14.70	1.003	ok	1.003	0.943-1.063
Chloroethane	4.59	8.43	0.544	ok	0.544	0.484-0.604
Chloroform	8.55	8.43	1.014	ok	1.015	0.955-1.075
Chloromethane	3.77	8.43	0.447	ok	0.447	0.387-0.507
3-Chloropropene	6.33	8.43	0.751	ok	0.751	0.691-0.811
2-Chlorotoluene	17.03	14.70	1.159	ok	1.159	1.099-1.219
Carbon tetrachloride	10.16	8.43	1.205	ok	1.206	1.146-1.266
Cyclohexane	10.29	10.34	0.995	ok	0.994	0.934-1.054
1,1-Dichloroethane	7.39	8.43	0.877	ok	0.878	0.818-0.938
1,1-Dichloroethylene	6.08	8.43	0.721	ok	0.721	0.661-0.781
1,2-Dibromoethane	13.57	14.70	0.923	ok	0.923	0.863-0.983
1,2-Dichloroethane	9.30	8.43	1.103	ok	1.103	1.043-1.163
1,2-Dichloropropane	10.81	10.34	1.045	ok	1.046	0.986-1.106
1,4-Dioxane	11.05	10.34	1.069	ok	1.067	1.007-1.127
Dichlorodifluoromethane	3.60	8.43	0.427	ok	0.427	0.367-0.487
Dibromochloromethane	13.31	14.70	0.905	ok	0.906	0.846-0.966
trans-1,2-Dichloroethylene	7.18	8.43	0.852	ok	0.853	0.793-0.913
cis-1,2-Dichloroethylene	8.26	8.43	0.980	ok	0.980	0.920-1.040
cis-1,3-Dichloropropene	11.90	10.34	1.151	ok	1.150	1.090-1.210
m-Dichlorobenzene	17.96	14.70	1.222	ok	1.222	1.162-1.282
o-Dichlorobenzene	18.42	14.70	1.253	ok	1.253	1.193-1.313
p-Dichlorobenzene	18.04	14.70	1.227	ok	1.227	1.167-1.287
trans-1,3-Dichloropropene	12.41	10.34	1.200	ok	1.200	1.140-1.260
Ethanol	4.69	8.43	0.556	ok	0.556	0.496-0.616
Ethylbenzene	15.13	14.70	1.029	ok	1.029	0.969-1.089
Ethyl Acetate	8.47	8.43	1.005	ok	1.004	0.944-1.064
4-Ethyltoluene	17.22	14.70	1.171	ok	1.172	1.112-1.232
Freon 113	6.48	8.43	0.769	ok	0.768	0.708-0.828
Freon 114	3.87	8.43	0.459	ok	0.459	0.399-0.519
Heptane	11.33	10.34	1.096	ok	1.095	1.035-1.155
Hexachlorobutadiene	20.81	14.70	1.416	ok	1.416	1.356-1.476
Hexane	8.46	8.43	1.004	ok	1.004	0.944-1.064

Initial Calibration Retention Time/Internal Standard Area Summary

Job Number: M65137
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	
MSQ189-IC189	Q3474.D	05/21/07 17:28	PB	40	GCMSQ	TO-15	
MSQ189-IC189	Q3475.D	05/21/07 18:09	PB	20	GCMSQ	TO-15	
MSQ189-ICC189	Q3476.D	05/21/07 18:52	PB	10	GCMSQ	TO-15	
MSQ189-IC189	Q3477.D	05/21/07 19:34	PB	5	GCMSQ	TO-15	
MSQ189-IC189	Q3478.D	05/21/07 20:17	PB	2	GCMSQ	TO-15	
MSQ189-IC189	Q3479.D	05/21/07 21:00	PB	.5	GCMSQ	TO-15	Reporting this level
MSQ189-IC189	Q3480.D	05/21/07 21:43	PB	.2	GCMSQ	TO-15	

Target Compound	RT (min.)	Istd RT (min.)	Rel RT		Mean Rel RT	Rel RT Range (+/- .06)
2-Hexanone	13.12	14.70	0.893	ok	0.892	0.832-0.952
Isopropylbenzene	16.47	14.70	1.120	ok	1.121	1.061-1.181
Isopropyl Alcohol	5.46	8.43	0.648	ok	0.647	0.587-0.707
Methylene chloride	6.20	8.43	0.735	ok	0.735	0.675-0.795
Methyl ethyl ketone	7.80	8.43	0.925	ok	0.925	0.865-0.985
Methyl Isobutyl Ketone	11.92	10.34	1.153	ok	1.152	1.092-1.212
Methyl Tert Butyl Ether	7.45	8.43	0.884	ok	0.884	0.824-0.944
Nonane	16.04	14.70	1.091	ok	1.091	1.031-1.151
Pentane	5.77	8.43	0.684	ok	0.685	0.625-0.745
Propylene	3.53	8.43	0.419	ok	0.419	0.359-0.479
Styrene	15.71	14.70	1.069	ok	1.069	1.009-1.129
1,1,1-Trichloroethane	9.55	8.43	1.133	ok	1.133	1.073-1.193
1,1,2,2-Tetrachloroethane	15.81	14.70	1.076	ok	1.076	1.016-1.136
1,1,2-Trichloroethane	12.60	10.34	1.219	ok	1.217	1.157-1.277
1,2,4-Trichlorobenzene	20.32	14.70	1.382	ok	1.383	1.323-1.443
1,2,4-Trimethylbenzene	17.78	14.70	1.210	ok	1.209	1.149-1.269
1,3,5-Trimethylbenzene	17.31	14.70	1.178	ok	1.178	1.118-1.238
2,2,4-Trimethylpentane	11.08	10.34	1.072	ok	1.071	1.011-1.131
Tertiary Butyl Alcohol	6.11	8.43	0.725	ok	0.723	0.663-0.783
Tetrachloroethylene	14.04	14.70	0.955	ok	0.955	0.895-1.015
Tetrahydrofuran	8.98	8.43	1.065	ok	1.063	1.003-1.123
Toluene	12.88	10.34	1.246	ok	1.245	1.185-1.305
Trichloroethylene	11.05	10.34	1.069	ok	1.068	1.008-1.128
Trichlorofluoromethane	5.40	8.43	0.641	ok	0.640	0.580-0.700
Vinyl chloride	4.00	8.43	0.474	ok	0.473	0.413-0.533
Vinyl Acetate	7.54	8.43	0.894	ok	0.894	0.834-0.954
m,p-Xylene	15.33	14.70	1.043	ok	1.043	0.983-1.103
o-Xylene	15.83	14.70	1.077	ok	1.077	1.017-1.137

Internal Standard	RT (min.)		Mean RT(min.)	RT Range (+/- 0.33)	Area		Mean Area	Area Range (+/- 40 %)
Bromochloromethane	8.43	ok	8.43	8.10-8.76	66653	ok	70239	42143-98335
1,4-Difluorobenzene	10.34	ok	10.35	10.02-10.68	314660	ok	321291	192775-449807
Chlorobenzene-D5	14.70	ok	14.70	14.37-15.03	268589	ok	275768	165461-386075

Initial Calibration Retention Time/Internal Standard Area Summary

Job Number: M65137
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	
MSQ189-IC189	Q3474.D	05/21/07 17:28	PB	40	GCMSQ	TO-15	
MSQ189-IC189	Q3475.D	05/21/07 18:09	PB	20	GCMSQ	TO-15	
MSQ189-ICC189	Q3476.D	05/21/07 18:52	PB	10	GCMSQ	TO-15	
MSQ189-IC189	Q3477.D	05/21/07 19:34	PB	5	GCMSQ	TO-15	
MSQ189-IC189	Q3478.D	05/21/07 20:17	PB	2	GCMSQ	TO-15	
MSQ189-IC189	Q3479.D	05/21/07 21:00	PB	.5	GCMSQ	TO-15	
MSQ189-IC189	Q3480.D	05/21/07 21:43	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	5.21	8.43	0.618	ok	0.617	0.557-0.677
1,3-Butadiene	4.13	8.43	0.490	ok	0.490	0.430-0.550
Benzene	10.01	10.35	0.967	ok	0.968	0.908-1.028
Bromodichloromethane	11.01	10.35	1.064	ok	1.064	1.004-1.124
Bromomethane	4.40	8.43	0.522	ok	0.523	0.463-0.583
Bromoethene	4.96	8.43	0.588	ok	0.588	0.528-0.648
Benzyl Chloride	17.94	14.70	1.220	ok	1.220	1.160-1.280
Carbon disulfide	6.53	8.43	0.775	ok	0.775	0.715-0.835
Chloroethane	4.59	8.43	0.544	ok	0.544	0.484-0.604
Chloroform	8.56	8.43	1.015	ok	1.015	0.955-1.075
Chloromethane	3.77	8.43	0.447	ok	0.447	0.387-0.507
3-Chloropropene	6.33	8.43	0.751	ok	0.751	0.691-0.811
2-Chlorotoluene	17.03	14.70	1.159	ok	1.159	1.099-1.219
Carbon tetrachloride	10.17	8.43	1.206	ok	1.206	1.146-1.266
1,1-Dichloroethane	7.40	8.43	0.878	ok	0.878	0.818-0.938
1,1-Dichloroethylene	6.07	8.43	0.720	ok	0.721	0.661-0.781
1,2-Dibromoethane	13.57	14.70	0.923	ok	0.923	0.863-0.983
1,2-Dichloroethane	9.30	8.43	1.103	ok	1.103	1.043-1.163
1,2-Dichloropropane	10.82	10.35	1.045	ok	1.046	0.986-1.106
Dichlorodifluoromethane	3.61	8.43	0.428	ok	0.427	0.367-0.487
Dibromochloromethane	13.31	14.70	0.905	ok	0.906	0.846-0.966
trans-1,2-Dichloroethylene	7.20	8.43	0.854	ok	0.853	0.793-0.913
cis-1,2-Dichloroethylene	8.27	8.43	0.981	ok	0.980	0.920-1.040
m-Dichlorobenzene	17.96	14.70	1.222	ok	1.222	1.162-1.282
o-Dichlorobenzene	18.42	14.70	1.253	ok	1.253	1.193-1.313
p-Dichlorobenzene	18.03	14.70	1.227	ok	1.227	1.167-1.287
4-Ethyltoluene	17.22	14.70	1.171	ok	1.172	1.112-1.232
Freon 113	6.47	8.43	0.767	ok	0.768	0.708-0.828
Freon 114	3.87	8.43	0.459	ok	0.459	0.399-0.519
Heptane	11.32	10.35	1.094	ok	1.095	1.035-1.155
Hexachlorobutadiene	20.81	14.70	1.416	ok	1.416	1.356-1.476
Isopropylbenzene	16.47	14.70	1.120	ok	1.121	1.061-1.181
Isopropyl Alcohol	5.46	8.43	0.648	ok	0.647	0.587-0.707
Methylene chloride	6.20	8.43	0.735	ok	0.735	0.675-0.795
Methyl Tert Butyl Ether	7.46	8.43	0.885	ok	0.884	0.824-0.944
Pentane	5.77	8.43	0.684	ok	0.685	0.625-0.745
1,1,1-Trichloroethane	9.55	8.43	1.133	ok	1.133	1.073-1.193
1,1,2,2-Tetrachloroethane	15.82	14.70	1.076	ok	1.076	1.016-1.136
1,1,2-Trichloroethane	12.58	10.35	1.215	ok	1.217	1.157-1.277
1,2,4-Trichlorobenzene	20.33	14.70	1.383	ok	1.383	1.323-1.443
1,2,4-Trimethylbenzene	17.78	14.70	1.210	ok	1.209	1.149-1.269

Initial Calibration Retention Time/Internal Standard Area Summary

Job Number: M65137
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	
MSQ189-IC189	Q3474.D	05/21/07 17:28	PB	40	GCMSQ	TO-15	
MSQ189-IC189	Q3475.D	05/21/07 18:09	PB	20	GCMSQ	TO-15	
MSQ189-ICC189	Q3476.D	05/21/07 18:52	PB	10	GCMSQ	TO-15	
MSQ189-IC189	Q3477.D	05/21/07 19:34	PB	5	GCMSQ	TO-15	
MSQ189-IC189	Q3478.D	05/21/07 20:17	PB	2	GCMSQ	TO-15	
MSQ189-IC189	Q3479.D	05/21/07 21:00	PB	.5	GCMSQ	TO-15	
MSQ189-IC189	Q3480.D	05/21/07 21:43	PB	.2	GCMSQ	TO-15	Reporting this level

Target Compound	RT (min.)	Istd RT (min.)	Rel RT		Mean Rel RT	Rel RT Range (+/- .06)
1,3,5-Trimethylbenzene	17.31	14.70	1.178	ok	1.178	1.118-1.238
2,2,4-Trimethylpentane	11.08	10.35	1.071	ok	1.071	1.011-1.131
Tertiary Butyl Alcohol	6.10	8.43	0.724	ok	0.723	0.663-0.783
Tetrachloroethylene	14.03	14.70	0.954	ok	0.955	0.895-1.015
Toluene	12.88	10.35	1.244	ok	1.245	1.185-1.305
Trichloroethylene	11.06	10.35	1.069	ok	1.068	1.008-1.128
Trichlorofluoromethane	5.40	8.43	0.641	ok	0.640	0.580-0.700
Vinyl chloride	3.99	8.43	0.473	ok	0.473	0.413-0.533
Vinyl Acetate	7.53	8.43	0.893	ok	0.894	0.834-0.954

Internal Standard	RT (min.)		Mean RT(min.)	RT Range (+/- 0.33)	Area		Mean Area	Area Range (+/- 40 %)
Bromochloromethane	8.43	ok	8.43	8.10-8.76	48618	ok	70239	42143-98335
1,4-Difluorobenzene	10.35	ok	10.35	10.02-10.68	225306	ok	321291	192775-449807
Chlorobenzene-D5	14.70	ok	14.70	14.37-15.03	206831	ok	275768	165461-386075

Initial Calibration Retention Time/Internal Standard Area Summary

Job Number: M65137
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	
MSQ197-IC197	Q3622.D	06/05/07 15:03	PB	4	GCMSQ	TO-15	Reporting this level
MSQ197-IC197	Q3623.D	06/05/07 15:47	PB	40	GCMSQ	TO-15	
MSQ197-IC197	Q3624.D	06/05/07 16:30	PB	20	GCMSQ	TO-15	
MSQ197-ICC197	Q3625.D	06/05/07 17:14	PB	10	GCMSQ	TO-15	
MSQ197-IC197	Q3626.D	06/05/07 17:58	PB	5	GCMSQ	TO-15	
MSQ197-IC197	Q3627.D	06/05/07 18:41	PB	2	GCMSQ	TO-15	
MSQ197-IC197	Q3628.D	06/05/07 19:25	PB	.5	GCMSQ	TO-15	
MSQ197-IC197	Q3629.D	06/05/07 20:08	PB	.2	GCMSQ	TO-15	

Target Compound	RT (min.)	Istd RT (min.)	Rel RT	Mean Rel RT	Rel RT Range (+/- .06)

Internal Standard	RT (min.)		Mean RT(min.)	RT Range (+/- 0.33)	Area		Mean Area	Area Range (+/- 40 %)
Bromochloromethane	8.43	ok	8.43	8.10-8.76	31813	ok	43155	25893-60417
1,4-Difluorobenzene	10.35	ok	10.35	10.02-10.68	119804	ok	182359	109415-255303
Chlorobenzene-D5	14.71	ok	14.70	14.37-15.03	107161	ok	165112	99067-231157

Initial Calibration Retention Time/Internal Standard Area Summary

Job Number: M65137
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	
MSQ197-IC197	Q3622.D	06/05/07 15:03	PB	4	GCMSQ	TO-15	
MSQ197-IC197	Q3623.D	06/05/07 15:47	PB	40	GCMSQ	TO-15	Reporting this level
MSQ197-IC197	Q3624.D	06/05/07 16:30	PB	20	GCMSQ	TO-15	
MSQ197-ICC197	Q3625.D	06/05/07 17:14	PB	10	GCMSQ	TO-15	
MSQ197-IC197	Q3626.D	06/05/07 17:58	PB	5	GCMSQ	TO-15	
MSQ197-IC197	Q3627.D	06/05/07 18:41	PB	2	GCMSQ	TO-15	
MSQ197-IC197	Q3628.D	06/05/07 19:25	PB	.5	GCMSQ	TO-15	
MSQ197-IC197	Q3629.D	06/05/07 20:08	PB	.2	GCMSQ	TO-15	

Target Compound	RT (min.)	Istd RT (min.)	Rel RT		Mean Rel RT	Rel RT Range (+/- .06)
Acetone	5.21	8.44	0.617	ok	0.618	0.558-0.678
1,3-Butadiene	4.14	8.44	0.491	ok	0.491	0.431-0.551
Benzene	10.02	10.35	0.968	ok	0.968	0.908-1.028
Bromodichloromethane	11.02	10.35	1.065	ok	1.065	1.005-1.125
Bromoform	15.43	14.70	1.050	ok	1.049	0.989-1.109
Bromomethane	4.42	8.44	0.524	ok	0.524	0.464-0.584
Bromoethene	4.96	8.44	0.588	ok	0.589	0.529-0.649
Benzyl Chloride	17.94	14.70	1.220	ok	1.220	1.160-1.280
Carbon disulfide	6.54	8.44	0.775	ok	0.776	0.716-0.836
Chlorobenzene	14.75	14.70	1.003	ok	1.003	0.943-1.063
Chloroethane	4.60	8.44	0.545	ok	0.545	0.485-0.605
Chloroform	8.57	8.44	1.015	ok	1.016	0.956-1.076
Chloromethane	3.78	8.44	0.448	ok	0.448	0.388-0.508
3-Chloropropene	6.34	8.44	0.751	ok	0.752	0.692-0.812
2-Chlorotoluene	17.04	14.70	1.159	ok	1.159	1.099-1.219
Carbon tetrachloride	10.17	8.44	1.205	ok	1.206	1.146-1.266
Cyclohexane	10.30	10.35	0.995	ok	0.994	0.934-1.054
1,1-Dichloroethane	7.41	8.44	0.878	ok	0.878	0.818-0.938
1,1-Dichloroethylene	6.09	8.44	0.722	ok	0.722	0.662-0.782
1,2-Dibromoethane	13.58	14.70	0.924	ok	0.924	0.864-0.984
1,2-Dichloroethane	9.31	8.44	1.103	ok	1.104	1.044-1.164
1,2-Dichloropropane	10.83	10.35	1.046	ok	1.046	0.986-1.106
1,4-Dioxane	11.05	10.35	1.068	ok	1.068	1.008-1.128
Dichlorodifluoromethane	3.61	8.44	0.428	ok	0.428	0.368-0.488
Dibromochloromethane	13.33	14.70	0.907	ok	0.906	0.846-0.966
trans-1,2-Dichloroethylene	7.20	8.44	0.853	ok	0.853	0.793-0.913
cis-1,2-Dichloroethylene	8.27	8.44	0.980	ok	0.980	0.920-1.040
cis-1,3-Dichloropropene	11.90	10.35	1.150	ok	1.150	1.090-1.210
m-Dichlorobenzene	17.96	14.70	1.222	ok	1.222	1.162-1.282
o-Dichlorobenzene	18.42	14.70	1.253	ok	1.253	1.193-1.313
p-Dichlorobenzene	18.04	14.70	1.227	ok	1.227	1.167-1.287
trans-1,3-Dichloropropene	12.42	10.35	1.200	ok	1.200	1.140-1.260
Ethanol	4.70	8.44	0.557	ok	0.557	0.497-0.617
Ethylbenzene	15.13	14.70	1.029	ok	1.029	0.969-1.089
Ethyl Acetate	8.48	8.44	1.005	ok	1.005	0.945-1.065
4-Ethyltoluene	17.23	14.70	1.172	ok	1.172	1.112-1.232
Freon 113	6.49	8.44	0.769	ok	0.770	0.710-0.830
Freon 114	3.88	8.44	0.460	ok	0.460	0.400-0.520
Heptane	11.33	10.35	1.095	ok	1.095	1.035-1.155
Hexachlorobutadiene	20.82	14.70	1.416	ok	1.416	1.356-1.476

Initial Calibration Retention Time/Internal Standard Area Summary

Job Number: M65137
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	
MSQ197-IC197	Q3622.D	06/05/07 15:03	PB	4	GCMSQ	TO-15	
MSQ197-IC197	Q3623.D	06/05/07 15:47	PB	40	GCMSQ	TO-15	Reporting this level
MSQ197-IC197	Q3624.D	06/05/07 16:30	PB	20	GCMSQ	TO-15	
MSQ197-ICC197	Q3625.D	06/05/07 17:14	PB	10	GCMSQ	TO-15	
MSQ197-IC197	Q3626.D	06/05/07 17:58	PB	5	GCMSQ	TO-15	
MSQ197-IC197	Q3627.D	06/05/07 18:41	PB	2	GCMSQ	TO-15	
MSQ197-IC197	Q3628.D	06/05/07 19:25	PB	.5	GCMSQ	TO-15	
MSQ197-IC197	Q3629.D	06/05/07 20:08	PB	.2	GCMSQ	TO-15	

Target Compound	RT (min.)	Istd RT (min.)	Rel RT		Mean Rel RT	Rel RT Range (+/- .06)
Hexane	8.48	8.44	1.005	ok	1.005	0.945-1.065
2-Hexanone	13.12	14.70	0.893	ok	0.893	0.833-0.953
Isopropylbenzene	16.48	14.70	1.121	ok	1.121	1.061-1.181
Isopropyl Alcohol	5.47	8.44	0.648	ok	0.648	0.588-0.708
Methylene chloride	6.21	8.44	0.736	ok	0.737	0.677-0.797
Methyl ethyl ketone	7.81	8.44	0.925	ok	0.926	0.866-0.986
Methyl Isobutyl Ketone	11.93	10.35	1.153	ok	1.152	1.092-1.212
Methyl Tert Butyl Ether	7.46	8.44	0.884	ok	0.885	0.825-0.945
Nonane	16.04	14.70	1.091	ok	1.091	1.031-1.151
Pentane	5.79	8.44	0.686	ok	0.686	0.626-0.746
Propylene	3.54	8.44	0.419	ok	0.420	0.360-0.480
Styrene	15.71	14.70	1.069	ok	1.069	1.009-1.129
1,1,1-Trichloroethane	9.56	8.44	1.133	ok	1.134	1.074-1.194
1,1,2,2-Tetrachloroethane	15.83	14.70	1.077	ok	1.077	1.017-1.137
1,1,2-Trichloroethane	12.61	10.35	1.218	ok	1.218	1.158-1.278
1,2,4-Trimethylbenzene	17.78	14.70	1.210	ok	1.209	1.149-1.269
1,3,5-Trimethylbenzene	17.31	14.70	1.178	ok	1.178	1.118-1.238
2,2,4-Trimethylpentane	11.09	10.35	1.071	ok	1.071	1.011-1.131
Tertiary Butyl Alcohol	6.11	8.44	0.724	ok	0.724	0.664-0.784
Tetrachloroethylene	14.04	14.70	0.955	ok	0.955	0.895-1.015
Tetrahydrofuran	8.97	8.44	1.063	ok	1.064	1.004-1.124
Toluene	12.89	10.35	1.245	ok	1.245	1.185-1.305
Trichloroethylene	11.06	10.35	1.069	ok	1.068	1.008-1.128
Trichlorofluoromethane	5.41	8.44	0.641	ok	0.642	0.582-0.702
Vinyl chloride	4.00	8.44	0.474	ok	0.474	0.414-0.534
Vinyl Acetate	7.55	8.44	0.895	ok	0.895	0.835-0.955
m,p-Xylene	15.33	14.70	1.043	ok	1.042	0.982-1.102
o-Xylene	15.83	14.70	1.077	ok	1.077	1.017-1.137

Internal Standard	RT (min.)		Mean RT(min.)	RT Range (+/- 0.33)	Area		Mean Area	Area Range (+/- 40 %)
Bromochloromethane	8.44	ok	8.43	8.10-8.76	37516	ok	43155	25893-60417
1,4-Difluorobenzene	10.35	ok	10.35	10.02-10.68	170488	ok	182359	109415-255303
Chlorobenzene-D5	14.70	ok	14.70	14.37-15.03	177287	ok	165112	99067-231157

Initial Calibration Retention Time/Internal Standard Area Summary

Job Number: M65137
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	
MSQ197-IC197	Q3622.D	06/05/07 15:03	PB	4	GCMSQ	TO-15	
MSQ197-IC197	Q3623.D	06/05/07 15:47	PB	40	GCMSQ	TO-15	
MSQ197-IC197	Q3624.D	06/05/07 16:30	PB	20	GCMSQ	TO-15	Reporting this level
MSQ197-ICC197	Q3625.D	06/05/07 17:14	PB	10	GCMSQ	TO-15	
MSQ197-IC197	Q3626.D	06/05/07 17:58	PB	5	GCMSQ	TO-15	
MSQ197-IC197	Q3627.D	06/05/07 18:41	PB	2	GCMSQ	TO-15	
MSQ197-IC197	Q3628.D	06/05/07 19:25	PB	.5	GCMSQ	TO-15	
MSQ197-IC197	Q3629.D	06/05/07 20:08	PB	.2	GCMSQ	TO-15	

Target Compound	RT (min.)	Istd RT (min.)	Rel RT		Mean Rel RT	Rel RT Range (+/- .06)
Acetone	5.21	8.43	0.618	ok	0.618	0.558-0.678
1,3-Butadiene	4.14	8.43	0.491	ok	0.491	0.431-0.551
Benzene	10.02	10.35	0.968	ok	0.968	0.908-1.028
Bromodichloromethane	11.02	10.35	1.065	ok	1.065	1.005-1.125
Bromoform	15.43	14.70	1.050	ok	1.049	0.989-1.109
Bromomethane	4.42	8.43	0.524	ok	0.524	0.464-0.584
Bromoethene	4.96	8.43	0.588	ok	0.589	0.529-0.649
Benzyl Chloride	17.94	14.70	1.220	ok	1.220	1.160-1.280
Carbon disulfide	6.54	8.43	0.776	ok	0.776	0.716-0.836
Chlorobenzene	14.74	14.70	1.003	ok	1.003	0.943-1.063
Chloroethane	4.59	8.43	0.544	ok	0.545	0.485-0.605
Chloroform	8.57	8.43	1.017	ok	1.016	0.956-1.076
Chloromethane	3.78	8.43	0.448	ok	0.448	0.388-0.508
3-Chloropropene	6.34	8.43	0.752	ok	0.752	0.692-0.812
2-Chlorotoluene	17.04	14.70	1.159	ok	1.159	1.099-1.219
Carbon tetrachloride	10.17	8.43	1.206	ok	1.206	1.146-1.266
Cyclohexane	10.29	10.35	0.994	ok	0.994	0.934-1.054
1,1-Dichloroethane	7.41	8.43	0.879	ok	0.878	0.818-0.938
1,1-Dichloroethylene	6.09	8.43	0.722	ok	0.722	0.662-0.782
1,2-Dibromoethane	13.58	14.70	0.924	ok	0.924	0.864-0.984
1,2-Dichloroethane	9.31	8.43	1.104	ok	1.104	1.044-1.164
1,2-Dichloropropane	10.83	10.35	1.046	ok	1.046	0.986-1.106
1,4-Dioxane	11.05	10.35	1.068	ok	1.068	1.008-1.128
Dichlorodifluoromethane	3.61	8.43	0.428	ok	0.428	0.368-0.488
Dibromochloromethane	13.32	14.70	0.906	ok	0.906	0.846-0.966
trans-1,2-Dichloroethylene	7.20	8.43	0.854	ok	0.853	0.793-0.913
cis-1,2-Dichloroethylene	8.26	8.43	0.980	ok	0.980	0.920-1.040
cis-1,3-Dichloropropene	11.90	10.35	1.150	ok	1.150	1.090-1.210
m-Dichlorobenzene	17.96	14.70	1.222	ok	1.222	1.162-1.282
o-Dichlorobenzene	18.42	14.70	1.253	ok	1.253	1.193-1.313
p-Dichlorobenzene	18.03	14.70	1.227	ok	1.227	1.167-1.287
trans-1,3-Dichloropropene	12.42	10.35	1.200	ok	1.200	1.140-1.260
Ethanol	4.69	8.43	0.556	ok	0.557	0.497-0.617
Ethylbenzene	15.13	14.70	1.029	ok	1.029	0.969-1.089
Ethyl Acetate	8.48	8.43	1.006	ok	1.005	0.945-1.065
4-Ethyltoluene	17.23	14.70	1.172	ok	1.172	1.112-1.232
Freon 113	6.49	8.43	0.770	ok	0.770	0.710-0.830
Freon 114	3.88	8.43	0.460	ok	0.460	0.400-0.520
Heptane	11.33	10.35	1.095	ok	1.095	1.035-1.155
Hexachlorobutadiene	20.81	14.70	1.416	ok	1.416	1.356-1.476

Initial Calibration Retention Time/Internal Standard Area Summary

Job Number: M65137
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	
MSQ197-IC197	Q3622.D	06/05/07 15:03	PB	4	GCMSQ	TO-15	
MSQ197-IC197	Q3623.D	06/05/07 15:47	PB	40	GCMSQ	TO-15	
MSQ197-IC197	Q3624.D	06/05/07 16:30	PB	20	GCMSQ	TO-15	Reporting this level
MSQ197-ICC197	Q3625.D	06/05/07 17:14	PB	10	GCMSQ	TO-15	
MSQ197-IC197	Q3626.D	06/05/07 17:58	PB	5	GCMSQ	TO-15	
MSQ197-IC197	Q3627.D	06/05/07 18:41	PB	2	GCMSQ	TO-15	
MSQ197-IC197	Q3628.D	06/05/07 19:25	PB	.5	GCMSQ	TO-15	
MSQ197-IC197	Q3629.D	06/05/07 20:08	PB	.2	GCMSQ	TO-15	

Target Compound	RT (min.)	Istd RT (min.)	Rel RT		Mean Rel RT	Rel RT Range (+/- .06)
Hexane	8.48	8.43	1.006	ok	1.005	0.945-1.065
2-Hexanone	13.12	14.70	0.893	ok	0.893	0.833-0.953
Isopropylbenzene	16.48	14.70	1.121	ok	1.121	1.061-1.181
Isopropyl Alcohol	5.46	8.43	0.648	ok	0.648	0.588-0.708
Methylene chloride	6.21	8.43	0.737	ok	0.737	0.677-0.797
Methyl ethyl ketone	7.81	8.43	0.926	ok	0.926	0.866-0.986
Methyl Isobutyl Ketone	11.92	10.35	1.152	ok	1.152	1.092-1.212
Methyl Tert Butyl Ether	7.46	8.43	0.885	ok	0.885	0.825-0.945
Nonane	16.04	14.70	1.091	ok	1.091	1.031-1.151
Pentane	5.79	8.43	0.687	ok	0.686	0.626-0.746
Propylene	3.54	8.43	0.420	ok	0.420	0.360-0.480
Styrene	15.71	14.70	1.069	ok	1.069	1.009-1.129
1,1,1-Trichloroethane	9.57	8.43	1.135	ok	1.134	1.074-1.194
1,1,2,2-Tetrachloroethane	15.82	14.70	1.076	ok	1.077	1.017-1.137
1,1,2-Trichloroethane	12.61	10.35	1.218	ok	1.218	1.158-1.278
1,2,4-Trichlorobenzene	20.32	14.70	1.382	ok	1.383	1.323-1.443
1,2,4-Trimethylbenzene	17.78	14.70	1.210	ok	1.209	1.149-1.269
1,3,5-Trimethylbenzene	17.31	14.70	1.178	ok	1.178	1.118-1.238
2,2,4-Trimethylpentane	11.08	10.35	1.071	ok	1.071	1.011-1.131
Tertiary Butyl Alcohol	6.11	8.43	0.725	ok	0.724	0.664-0.784
Tetrachloroethylene	14.04	14.70	0.955	ok	0.955	0.895-1.015
Tetrahydrofuran	8.97	8.43	1.064	ok	1.064	1.004-1.124
Toluene	12.88	10.35	1.244	ok	1.245	1.185-1.305
Trichloroethylene	11.06	10.35	1.069	ok	1.068	1.008-1.128
Trichlorofluoromethane	5.41	8.43	0.642	ok	0.642	0.582-0.702
Vinyl chloride	4.00	8.43	0.474	ok	0.474	0.414-0.534
Vinyl Acetate	7.55	8.43	0.896	ok	0.895	0.835-0.955
m,p-Xylene	15.33	14.70	1.043	ok	1.042	0.982-1.102
o-Xylene	15.83	14.70	1.077	ok	1.077	1.017-1.137

Internal Standard	RT (min.)		Mean RT(min.)	RT Range (+/- 0.33)	Area		Mean Area	Area Range (+/- 40 %)
Bromochloromethane	8.43	ok	8.43	8.10-8.76	42635	ok	43155	25893-60417
1,4-Difluorobenzene	10.35	ok	10.35	10.02-10.68	176235	ok	182359	109415-255303
Chlorobenzene-D5	14.70	ok	14.70	14.37-15.03	187505	ok	165112	99067-231157

Initial Calibration Retention Time/Internal Standard Area Summary

Job Number: M65137
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	
MSQ197-IC197	Q3622.D	06/05/07 15:03	PB	4	GCMSQ	TO-15	
MSQ197-IC197	Q3623.D	06/05/07 15:47	PB	40	GCMSQ	TO-15	
MSQ197-IC197	Q3624.D	06/05/07 16:30	PB	20	GCMSQ	TO-15	
MSQ197-ICC197	Q3625.D	06/05/07 17:14	PB	10	GCMSQ	TO-15	Reporting this level
MSQ197-IC197	Q3626.D	06/05/07 17:58	PB	5	GCMSQ	TO-15	
MSQ197-IC197	Q3627.D	06/05/07 18:41	PB	2	GCMSQ	TO-15	
MSQ197-IC197	Q3628.D	06/05/07 19:25	PB	.5	GCMSQ	TO-15	
MSQ197-IC197	Q3629.D	06/05/07 20:08	PB	.2	GCMSQ	TO-15	

Target Compound	RT (min.)	Istd RT (min.)	Rel RT		Mean Rel RT	Rel RT Range (+/- .06)
Acetone	5.21	8.43	0.618	ok	0.618	0.558-0.678
1,3-Butadiene	4.14	8.43	0.491	ok	0.491	0.431-0.551
Benzene	10.02	10.35	0.968	ok	0.968	0.908-1.028
Bromodichloromethane	11.02	10.35	1.065	ok	1.065	1.005-1.125
Bromoform	15.42	14.70	1.049	ok	1.049	0.989-1.109
Bromomethane	4.42	8.43	0.524	ok	0.524	0.464-0.584
Bromoethene	4.96	8.43	0.588	ok	0.589	0.529-0.649
Benzyl Chloride	17.93	14.70	1.220	ok	1.220	1.160-1.280
Carbon disulfide	6.54	8.43	0.776	ok	0.776	0.716-0.836
Chlorobenzene	14.74	14.70	1.003	ok	1.003	0.943-1.063
Chloroethane	4.59	8.43	0.544	ok	0.545	0.485-0.605
Chloroform	8.56	8.43	1.015	ok	1.016	0.956-1.076
Chloromethane	3.78	8.43	0.448	ok	0.448	0.388-0.508
3-Chloropropene	6.34	8.43	0.752	ok	0.752	0.692-0.812
2-Chlorotoluene	17.03	14.70	1.159	ok	1.159	1.099-1.219
Carbon tetrachloride	10.17	8.43	1.206	ok	1.206	1.146-1.266
Cyclohexane	10.29	10.35	0.994	ok	0.994	0.934-1.054
1,1-Dichloroethane	7.41	8.43	0.879	ok	0.878	0.818-0.938
1,1-Dichloroethylene	6.08	8.43	0.721	ok	0.722	0.662-0.782
1,2-Dibromoethane	13.57	14.70	0.923	ok	0.924	0.864-0.984
1,2-Dichloroethane	9.31	8.43	1.104	ok	1.104	1.044-1.164
1,2-Dichloropropane	10.83	10.35	1.046	ok	1.046	0.986-1.106
1,4-Dioxane	11.05	10.35	1.068	ok	1.068	1.008-1.128
Dichlorodifluoromethane	3.61	8.43	0.428	ok	0.428	0.368-0.488
Dibromochloromethane	13.32	14.70	0.906	ok	0.906	0.846-0.966
trans-1,2-Dichloroethylene	7.20	8.43	0.854	ok	0.853	0.793-0.913
cis-1,2-Dichloroethylene	8.26	8.43	0.980	ok	0.980	0.920-1.040
cis-1,3-Dichloropropene	11.90	10.35	1.150	ok	1.150	1.090-1.210
m-Dichlorobenzene	17.96	14.70	1.222	ok	1.222	1.162-1.282
o-Dichlorobenzene	18.42	14.70	1.253	ok	1.253	1.193-1.313
p-Dichlorobenzene	18.03	14.70	1.227	ok	1.227	1.167-1.287
trans-1,3-Dichloropropene	12.42	10.35	1.200	ok	1.200	1.140-1.260
Ethanol	4.69	8.43	0.556	ok	0.557	0.497-0.617
Ethylbenzene	15.13	14.70	1.029	ok	1.029	0.969-1.089
Ethyl Acetate	8.47	8.43	1.005	ok	1.005	0.945-1.065
4-Ethyltoluene	17.22	14.70	1.171	ok	1.172	1.112-1.232
Freon 113	6.48	8.43	0.769	ok	0.770	0.710-0.830
Freon 114	3.88	8.43	0.460	ok	0.460	0.400-0.520
Heptane	11.33	10.35	1.095	ok	1.095	1.035-1.155
Hexachlorobutadiene	20.81	14.70	1.416	ok	1.416	1.356-1.476

Initial Calibration Retention Time/Internal Standard Area Summary

Job Number: M65137
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	
MSQ197-IC197	Q3622.D	06/05/07 15:03	PB	4	GCMSQ	TO-15	
MSQ197-IC197	Q3623.D	06/05/07 15:47	PB	40	GCMSQ	TO-15	
MSQ197-IC197	Q3624.D	06/05/07 16:30	PB	20	GCMSQ	TO-15	
MSQ197-ICC197	Q3625.D	06/05/07 17:14	PB	10	GCMSQ	TO-15	Reporting this level
MSQ197-IC197	Q3626.D	06/05/07 17:58	PB	5	GCMSQ	TO-15	
MSQ197-IC197	Q3627.D	06/05/07 18:41	PB	2	GCMSQ	TO-15	
MSQ197-IC197	Q3628.D	06/05/07 19:25	PB	.5	GCMSQ	TO-15	
MSQ197-IC197	Q3629.D	06/05/07 20:08	PB	.2	GCMSQ	TO-15	

Target Compound	RT (min.)	Istd RT (min.)	Rel RT		Mean Rel RT	Rel RT Range (+/- .06)
Hexane	8.47	8.43	1.005	ok	1.005	0.945-1.065
2-Hexanone	13.11	14.70	0.892	ok	0.893	0.833-0.953
Isopropylbenzene	16.48	14.70	1.121	ok	1.121	1.061-1.181
Isopropyl Alcohol	5.46	8.43	0.648	ok	0.648	0.588-0.708
Methylene chloride	6.21	8.43	0.737	ok	0.737	0.677-0.797
Methyl ethyl ketone	7.80	8.43	0.925	ok	0.926	0.866-0.986
Methyl Isobutyl Ketone	11.92	10.35	1.152	ok	1.152	1.092-1.212
Methyl Tert Butyl Ether	7.45	8.43	0.884	ok	0.885	0.825-0.945
Nonane	16.03	14.70	1.090	ok	1.091	1.031-1.151
Pentane	5.78	8.43	0.686	ok	0.686	0.626-0.746
Propylene	3.54	8.43	0.420	ok	0.420	0.360-0.480
Styrene	15.71	14.70	1.069	ok	1.069	1.009-1.129
1,1,1-Trichloroethane	9.56	8.43	1.134	ok	1.134	1.074-1.194
1,1,2,2-Tetrachloroethane	15.82	14.70	1.076	ok	1.077	1.017-1.137
1,1,2-Trichloroethane	12.60	10.35	1.217	ok	1.218	1.158-1.278
1,2,4-Trichlorobenzene	20.32	14.70	1.382	ok	1.383	1.323-1.443
1,2,4-Trimethylbenzene	17.77	14.70	1.209	ok	1.209	1.149-1.269
1,3,5-Trimethylbenzene	17.31	14.70	1.178	ok	1.178	1.118-1.238
2,2,4-Trimethylpentane	11.08	10.35	1.071	ok	1.071	1.011-1.131
Tertiary Butyl Alcohol	6.10	8.43	0.724	ok	0.724	0.664-0.784
Tetrachloroethylene	14.04	14.70	0.955	ok	0.955	0.895-1.015
Tetrahydrofuran	8.97	8.43	1.064	ok	1.064	1.004-1.124
Toluene	12.88	10.35	1.244	ok	1.245	1.185-1.305
Trichloroethylene	11.06	10.35	1.069	ok	1.068	1.008-1.128
Trichlorofluoromethane	5.41	8.43	0.642	ok	0.642	0.582-0.702
Vinyl chloride	4.00	8.43	0.474	ok	0.474	0.414-0.534
Vinyl Acetate	7.55	8.43	0.896	ok	0.895	0.835-0.955
m,p-Xylene	15.32	14.70	1.042	ok	1.042	0.982-1.102
o-Xylene	15.83	14.70	1.077	ok	1.077	1.017-1.137

Internal Standard	RT (min.)		Mean RT(min.)	RT Range (+/- 0.33)	Area		Mean Area	Area Range (+/- 40 %)
Bromochloromethane	8.43	ok	8.43	8.10-8.76	47153	ok	43155	25893-60417
1,4-Difluorobenzene	10.35	ok	10.35	10.02-10.68	198354	ok	182359	109415-255303
Chlorobenzene-D5	14.70	ok	14.70	14.37-15.03	180740	ok	165112	99067-231157

Initial Calibration Retention Time/Internal Standard Area Summary

Job Number: M65137
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	
MSQ197-IC197	Q3622.D	06/05/07 15:03	PB	4	GCMSQ	TO-15	
MSQ197-IC197	Q3623.D	06/05/07 15:47	PB	40	GCMSQ	TO-15	
MSQ197-IC197	Q3624.D	06/05/07 16:30	PB	20	GCMSQ	TO-15	
MSQ197-ICC197	Q3625.D	06/05/07 17:14	PB	10	GCMSQ	TO-15	
MSQ197-IC197	Q3626.D	06/05/07 17:58	PB	5	GCMSQ	TO-15	Reporting this level
MSQ197-IC197	Q3627.D	06/05/07 18:41	PB	2	GCMSQ	TO-15	
MSQ197-IC197	Q3628.D	06/05/07 19:25	PB	.5	GCMSQ	TO-15	
MSQ197-IC197	Q3629.D	06/05/07 20:08	PB	.2	GCMSQ	TO-15	

Target Compound	RT (min.)	Istd RT (min.)	Rel RT		Mean Rel RT	Rel RT Range (+/- .06)
Acetone	5.21	8.43	0.618	ok	0.618	0.558-0.678
1,3-Butadiene	4.14	8.43	0.491	ok	0.491	0.431-0.551
Benzene	10.02	10.35	0.968	ok	0.968	0.908-1.028
Bromodichloromethane	11.02	10.35	1.065	ok	1.065	1.005-1.125
Bromoform	15.42	14.69	1.050	ok	1.049	0.989-1.109
Bromomethane	4.41	8.43	0.523	ok	0.524	0.464-0.584
Bromoethene	4.97	8.43	0.590	ok	0.589	0.529-0.649
Benzyl Chloride	17.93	14.69	1.221	ok	1.220	1.160-1.280
Carbon disulfide	6.54	8.43	0.776	ok	0.776	0.716-0.836
Chlorobenzene	14.74	14.69	1.003	ok	1.003	0.943-1.063
Chloroethane	4.59	8.43	0.544	ok	0.545	0.485-0.605
Chloroform	8.56	8.43	1.015	ok	1.016	0.956-1.076
Chloromethane	3.78	8.43	0.448	ok	0.448	0.388-0.508
3-Chloropropene	6.34	8.43	0.752	ok	0.752	0.692-0.812
2-Chlorotoluene	17.03	14.69	1.159	ok	1.159	1.099-1.219
Carbon tetrachloride	10.17	8.43	1.206	ok	1.206	1.146-1.266
Cyclohexane	10.29	10.35	0.994	ok	0.994	0.934-1.054
1,1-Dichloroethane	7.40	8.43	0.878	ok	0.878	0.818-0.938
1,1-Dichloroethylene	6.08	8.43	0.721	ok	0.722	0.662-0.782
1,2-Dibromoethane	13.57	14.69	0.924	ok	0.924	0.864-0.984
1,2-Dichloroethane	9.31	8.43	1.104	ok	1.104	1.044-1.164
1,2-Dichloropropane	10.83	10.35	1.046	ok	1.046	0.986-1.106
1,4-Dioxane	11.05	10.35	1.068	ok	1.068	1.008-1.128
Dichlorodifluoromethane	3.61	8.43	0.428	ok	0.428	0.368-0.488
Dibromochloromethane	13.32	14.69	0.907	ok	0.906	0.846-0.966
trans-1,2-Dichloroethylene	7.20	8.43	0.854	ok	0.853	0.793-0.913
cis-1,2-Dichloroethylene	8.26	8.43	0.980	ok	0.980	0.920-1.040
cis-1,3-Dichloropropene	11.90	10.35	1.150	ok	1.150	1.090-1.210
m-Dichlorobenzene	17.96	14.69	1.223	ok	1.222	1.162-1.282
o-Dichlorobenzene	18.42	14.69	1.254	ok	1.253	1.193-1.313
p-Dichlorobenzene	18.03	14.69	1.227	ok	1.227	1.167-1.287
trans-1,3-Dichloropropene	12.42	10.35	1.200	ok	1.200	1.140-1.260
Ethanol	4.70	8.43	0.558	ok	0.557	0.497-0.617
Ethylbenzene	15.13	14.69	1.030	ok	1.029	0.969-1.089
Ethyl Acetate	8.47	8.43	1.005	ok	1.005	0.945-1.065
4-Ethyltoluene	17.22	14.69	1.172	ok	1.172	1.112-1.232
Freon 113	6.49	8.43	0.770	ok	0.770	0.710-0.830
Freon 114	3.87	8.43	0.459	ok	0.460	0.400-0.520
Heptane	11.33	10.35	1.095	ok	1.095	1.035-1.155
Hexachlorobutadiene	20.81	14.69	1.417	ok	1.416	1.356-1.476

Initial Calibration Retention Time/Internal Standard Area Summary

Job Number: M65137
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	
MSQ197-IC197	Q3622.D	06/05/07 15:03	PB	4	GCMSQ	TO-15	
MSQ197-IC197	Q3623.D	06/05/07 15:47	PB	40	GCMSQ	TO-15	
MSQ197-IC197	Q3624.D	06/05/07 16:30	PB	20	GCMSQ	TO-15	
MSQ197-ICC197	Q3625.D	06/05/07 17:14	PB	10	GCMSQ	TO-15	
MSQ197-IC197	Q3626.D	06/05/07 17:58	PB	5	GCMSQ	TO-15	Reporting this level
MSQ197-IC197	Q3627.D	06/05/07 18:41	PB	2	GCMSQ	TO-15	
MSQ197-IC197	Q3628.D	06/05/07 19:25	PB	.5	GCMSQ	TO-15	
MSQ197-IC197	Q3629.D	06/05/07 20:08	PB	.2	GCMSQ	TO-15	

Target Compound	RT (min.)	Istd RT (min.)	Rel RT		Mean Rel RT	Rel RT Range (+/- .06)
Hexane	8.47	8.43	1.005	ok	1.005	0.945-1.065
2-Hexanone	13.12	14.69	0.893	ok	0.893	0.833-0.953
Isopropylbenzene	16.48	14.69	1.122	ok	1.121	1.061-1.181
Isopropyl Alcohol	5.46	8.43	0.648	ok	0.648	0.588-0.708
Methylene chloride	6.21	8.43	0.737	ok	0.737	0.677-0.797
Methyl ethyl ketone	7.80	8.43	0.925	ok	0.926	0.866-0.986
Methyl Isobutyl Ketone	11.92	10.35	1.152	ok	1.152	1.092-1.212
Methyl Tert Butyl Ether	7.46	8.43	0.885	ok	0.885	0.825-0.945
Nonane	16.03	14.69	1.091	ok	1.091	1.031-1.151
Pentane	5.78	8.43	0.686	ok	0.686	0.626-0.746
Propylene	3.54	8.43	0.420	ok	0.420	0.360-0.480
Styrene	15.71	14.69	1.069	ok	1.069	1.009-1.129
1,1,1-Trichloroethane	9.56	8.43	1.134	ok	1.134	1.074-1.194
1,1,2,2-Tetrachloroethane	15.82	14.69	1.077	ok	1.077	1.017-1.137
1,1,2-Trichloroethane	12.60	10.35	1.217	ok	1.218	1.158-1.278
1,2,4-Trichlorobenzene	20.32	14.69	1.383	ok	1.383	1.323-1.443
1,2,4-Trimethylbenzene	17.77	14.69	1.210	ok	1.209	1.149-1.269
1,3,5-Trimethylbenzene	17.31	14.69	1.178	ok	1.178	1.118-1.238
2,2,4-Trimethylpentane	11.08	10.35	1.071	ok	1.071	1.011-1.131
Tertiary Butyl Alcohol	6.10	8.43	0.724	ok	0.724	0.664-0.784
Tetrachloroethylene	14.03	14.69	0.955	ok	0.955	0.895-1.015
Tetrahydrofuran	8.97	8.43	1.064	ok	1.064	1.004-1.124
Toluene	12.88	10.35	1.244	ok	1.245	1.185-1.305
Trichloroethylene	11.06	10.35	1.069	ok	1.068	1.008-1.128
Trichlorofluoromethane	5.41	8.43	0.642	ok	0.642	0.582-0.702
Vinyl chloride	4.00	8.43	0.474	ok	0.474	0.414-0.534
Vinyl Acetate	7.54	8.43	0.894	ok	0.895	0.835-0.955
m,p-Xylene	15.30	14.69	1.042	ok	1.042	0.982-1.102
o-Xylene	15.83	14.69	1.078	ok	1.077	1.017-1.137

Internal Standard	RT (min.)		Mean RT(min.)	RT Range (+/- 0.33)	Area		Mean Area	Area Range (+/- 40 %)
Bromochloromethane	8.43	ok	8.43	8.10-8.76	39678	ok	43155	25893-60417
1,4-Difluorobenzene	10.35	ok	10.35	10.02-10.68	168900	ok	182359	109415-255303
Chlorobenzene-D5	14.69	ok	14.70	14.37-15.03	147506	ok	165112	99067-231157

Initial Calibration Retention Time/Internal Standard Area Summary

Job Number: M65137
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	
MSQ197-IC197	Q3622.D	06/05/07 15:03	PB	4	GCMSQ	TO-15	
MSQ197-IC197	Q3623.D	06/05/07 15:47	PB	40	GCMSQ	TO-15	
MSQ197-IC197	Q3624.D	06/05/07 16:30	PB	20	GCMSQ	TO-15	
MSQ197-ICC197	Q3625.D	06/05/07 17:14	PB	10	GCMSQ	TO-15	
MSQ197-IC197	Q3626.D	06/05/07 17:58	PB	5	GCMSQ	TO-15	
MSQ197-IC197	Q3627.D	06/05/07 18:41	PB	2	GCMSQ	TO-15	Reporting this level
MSQ197-IC197	Q3628.D	06/05/07 19:25	PB	.5	GCMSQ	TO-15	
MSQ197-IC197	Q3629.D	06/05/07 20:08	PB	.2	GCMSQ	TO-15	

Target Compound	RT (min.)	Istd RT (min.)	Rel RT		Mean Rel RT	Rel RT Range (+/- .06)
Acetone	5.21	8.43	0.618	ok	0.618	0.558-0.678
1,3-Butadiene	4.13	8.43	0.490	ok	0.491	0.431-0.551
Benzene	10.02	10.35	0.968	ok	0.968	0.908-1.028
Bromodichloromethane	11.02	10.35	1.065	ok	1.065	1.005-1.125
Bromoform	15.42	14.70	1.049	ok	1.049	0.989-1.109
Bromomethane	4.41	8.43	0.523	ok	0.524	0.464-0.584
Bromoethene	4.97	8.43	0.590	ok	0.589	0.529-0.649
Benzyl Chloride	17.93	14.70	1.220	ok	1.220	1.160-1.280
Carbon disulfide	6.54	8.43	0.776	ok	0.776	0.716-0.836
Chlorobenzene	14.74	14.70	1.003	ok	1.003	0.943-1.063
Chloroethane	4.59	8.43	0.544	ok	0.545	0.485-0.605
Chloroform	8.56	8.43	1.015	ok	1.016	0.956-1.076
Chloromethane	3.78	8.43	0.448	ok	0.448	0.388-0.508
3-Chloropropene	6.34	8.43	0.752	ok	0.752	0.692-0.812
2-Chlorotoluene	17.03	14.70	1.159	ok	1.159	1.099-1.219
Carbon tetrachloride	10.17	8.43	1.206	ok	1.206	1.146-1.266
Cyclohexane	10.29	10.35	0.994	ok	0.994	0.934-1.054
1,1-Dichloroethane	7.40	8.43	0.878	ok	0.878	0.818-0.938
1,1-Dichloroethylene	6.09	8.43	0.722	ok	0.722	0.662-0.782
1,2-Dibromoethane	13.57	14.70	0.923	ok	0.924	0.864-0.984
1,2-Dichloroethane	9.30	8.43	1.103	ok	1.104	1.044-1.164
1,2-Dichloropropane	10.82	10.35	1.045	ok	1.046	0.986-1.106
1,4-Dioxane	11.06	10.35	1.069	ok	1.068	1.008-1.128
Dichlorodifluoromethane	3.61	8.43	0.428	ok	0.428	0.368-0.488
Dibromochloromethane	13.32	14.70	0.906	ok	0.906	0.846-0.966
trans-1,2-Dichloroethylene	7.19	8.43	0.853	ok	0.853	0.793-0.913
cis-1,2-Dichloroethylene	8.26	8.43	0.980	ok	0.980	0.920-1.040
cis-1,3-Dichloropropene	11.90	10.35	1.150	ok	1.150	1.090-1.210
m-Dichlorobenzene	17.96	14.70	1.222	ok	1.222	1.162-1.282
o-Dichlorobenzene	18.42	14.70	1.253	ok	1.253	1.193-1.313
p-Dichlorobenzene	18.03	14.70	1.227	ok	1.227	1.167-1.287
trans-1,3-Dichloropropene	12.41	10.35	1.199	ok	1.200	1.140-1.260
Ethanol	4.69	8.43	0.556	ok	0.557	0.497-0.617
Ethylbenzene	15.13	14.70	1.029	ok	1.029	0.969-1.089
Ethyl Acetate	8.47	8.43	1.005	ok	1.005	0.945-1.065
4-Ethyltoluene	17.22	14.70	1.171	ok	1.172	1.112-1.232
Freon 113	6.49	8.43	0.770	ok	0.770	0.710-0.830
Freon 114	3.87	8.43	0.459	ok	0.460	0.400-0.520
Heptane	11.33	10.35	1.095	ok	1.095	1.035-1.155
Hexachlorobutadiene	20.81	14.70	1.416	ok	1.416	1.356-1.476

Initial Calibration Retention Time/Internal Standard Area Summary

Job Number: M65137
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	
MSQ197-IC197	Q3622.D	06/05/07 15:03	PB	4	GCMSQ	TO-15	
MSQ197-IC197	Q3623.D	06/05/07 15:47	PB	40	GCMSQ	TO-15	
MSQ197-IC197	Q3624.D	06/05/07 16:30	PB	20	GCMSQ	TO-15	
MSQ197-ICC197	Q3625.D	06/05/07 17:14	PB	10	GCMSQ	TO-15	
MSQ197-IC197	Q3626.D	06/05/07 17:58	PB	5	GCMSQ	TO-15	
MSQ197-IC197	Q3627.D	06/05/07 18:41	PB	2	GCMSQ	TO-15	Reporting this level
MSQ197-IC197	Q3628.D	06/05/07 19:25	PB	.5	GCMSQ	TO-15	
MSQ197-IC197	Q3629.D	06/05/07 20:08	PB	.2	GCMSQ	TO-15	

Target Compound	RT (min.)	Istd RT (min.)	Rel RT		Mean Rel RT	Rel RT Range (+/- .06)
Hexane	8.47	8.43	1.005	ok	1.005	0.945-1.065
2-Hexanone	13.12	14.70	0.893	ok	0.893	0.833-0.953
Isopropylbenzene	16.48	14.70	1.121	ok	1.121	1.061-1.181
Isopropyl Alcohol	5.46	8.43	0.648	ok	0.648	0.588-0.708
Methylene chloride	6.21	8.43	0.737	ok	0.737	0.677-0.797
Methyl ethyl ketone	7.81	8.43	0.926	ok	0.926	0.866-0.986
Methyl Isobutyl Ketone	11.92	10.35	1.152	ok	1.152	1.092-1.212
Methyl Tert Butyl Ether	7.46	8.43	0.885	ok	0.885	0.825-0.945
Nonane	16.03	14.70	1.090	ok	1.091	1.031-1.151
Pentane	5.79	8.43	0.687	ok	0.686	0.626-0.746
Propylene	3.54	8.43	0.420	ok	0.420	0.360-0.480
Styrene	15.71	14.70	1.069	ok	1.069	1.009-1.129
1,1,1-Trichloroethane	9.56	8.43	1.134	ok	1.134	1.074-1.194
1,1,2,2-Tetrachloroethane	15.82	14.70	1.076	ok	1.077	1.017-1.137
1,1,2-Trichloroethane	12.60	10.35	1.217	ok	1.218	1.158-1.278
1,2,4-Trichlorobenzene	20.33	14.70	1.383	ok	1.383	1.323-1.443
1,2,4-Trimethylbenzene	17.77	14.70	1.209	ok	1.209	1.149-1.269
1,3,5-Trimethylbenzene	17.31	14.70	1.178	ok	1.178	1.118-1.238
2,2,4-Trimethylpentane	11.07	10.35	1.070	ok	1.071	1.011-1.131
Tertiary Butyl Alcohol	6.11	8.43	0.725	ok	0.724	0.664-0.784
Tetrachloroethylene	14.04	14.70	0.955	ok	0.955	0.895-1.015
Tetrahydrofuran	8.97	8.43	1.064	ok	1.064	1.004-1.124
Toluene	12.88	10.35	1.244	ok	1.245	1.185-1.305
Trichloroethylene	11.06	10.35	1.069	ok	1.068	1.008-1.128
Trichlorofluoromethane	5.41	8.43	0.642	ok	0.642	0.582-0.702
Vinyl chloride	4.00	8.43	0.474	ok	0.474	0.414-0.534
Vinyl Acetate	7.54	8.43	0.894	ok	0.895	0.835-0.955
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	1.077	1.017-1.137

Internal Standard	RT (min.)		Mean RT(min.)	RT Range (+/- 0.33)	Area		Mean Area	Area Range (+/- 40 %)
Bromochloromethane	8.43	ok	8.43	8.10-8.76	46804	ok	43155	25893-60417
1,4-Difluorobenzene	10.35	ok	10.35	10.02-10.68	196316	ok	182359	109415-255303
Chlorobenzene-D5	14.70	ok	14.70	14.37-15.03	164393	ok	165112	99067-231157

Initial Calibration Retention Time/Internal Standard Area Summary

Job Number: M65137
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	
MSQ197-IC197	Q3622.D	06/05/07 15:03	PB	4	GCMSQ	TO-15	
MSQ197-IC197	Q3623.D	06/05/07 15:47	PB	40	GCMSQ	TO-15	
MSQ197-IC197	Q3624.D	06/05/07 16:30	PB	20	GCMSQ	TO-15	
MSQ197-ICC197	Q3625.D	06/05/07 17:14	PB	10	GCMSQ	TO-15	
MSQ197-IC197	Q3626.D	06/05/07 17:58	PB	5	GCMSQ	TO-15	
MSQ197-IC197	Q3627.D	06/05/07 18:41	PB	2	GCMSQ	TO-15	
MSQ197-IC197	Q3628.D	06/05/07 19:25	PB	.5	GCMSQ	TO-15	Reporting this level
MSQ197-IC197	Q3629.D	06/05/07 20:08	PB	.2	GCMSQ	TO-15	

Target Compound	RT (min.)	Istd RT (min.)	Rel RT		Mean Rel RT	Rel RT Range (+/- .06)
Acetone	5.22	8.43	0.619	ok	0.618	0.558-0.678
1,3-Butadiene	4.14	8.43	0.491	ok	0.491	0.431-0.551
Benzene	10.02	10.35	0.968	ok	0.968	0.908-1.028
Bromodichloromethane	11.02	10.35	1.065	ok	1.065	1.005-1.125
Bromoform	15.42	14.69	1.050	ok	1.049	0.989-1.109
Bromomethane	4.41	8.43	0.523	ok	0.524	0.464-0.584
Bromoethene	4.96	8.43	0.588	ok	0.589	0.529-0.649
Benzyl Chloride	17.93	14.69	1.221	ok	1.220	1.160-1.280
Carbon disulfide	6.54	8.43	0.776	ok	0.776	0.716-0.836
Chlorobenzene	14.74	14.69	1.003	ok	1.003	0.943-1.063
Chloroethane	4.59	8.43	0.544	ok	0.545	0.485-0.605
Chloroform	8.56	8.43	1.015	ok	1.016	0.956-1.076
Chloromethane	3.78	8.43	0.448	ok	0.448	0.388-0.508
3-Chloropropene	6.34	8.43	0.752	ok	0.752	0.692-0.812
2-Chlorotoluene	17.02	14.69	1.159	ok	1.159	1.099-1.219
Carbon tetrachloride	10.16	8.43	1.205	ok	1.206	1.146-1.266
Cyclohexane	10.29	10.35	0.994	ok	0.994	0.934-1.054
1,1-Dichloroethane	7.40	8.43	0.878	ok	0.878	0.818-0.938
1,1-Dichloroethylene	6.09	8.43	0.722	ok	0.722	0.662-0.782
1,2-Dibromoethane	13.57	14.69	0.924	ok	0.924	0.864-0.984
1,2-Dichloroethane	9.31	8.43	1.104	ok	1.104	1.044-1.164
1,2-Dichloropropane	10.83	10.35	1.046	ok	1.046	0.986-1.106
1,4-Dioxane	11.06	10.35	1.069	ok	1.068	1.008-1.128
Dichlorodifluoromethane	3.61	8.43	0.428	ok	0.428	0.368-0.488
Dibromochloromethane	13.32	14.69	0.907	ok	0.906	0.846-0.966
trans-1,2-Dichloroethylene	7.19	8.43	0.853	ok	0.853	0.793-0.913
cis-1,2-Dichloroethylene	8.27	8.43	0.981	ok	0.980	0.920-1.040
cis-1,3-Dichloropropene	11.90	10.35	1.150	ok	1.150	1.090-1.210
m-Dichlorobenzene	17.96	14.69	1.223	ok	1.222	1.162-1.282
o-Dichlorobenzene	18.42	14.69	1.254	ok	1.253	1.193-1.313
p-Dichlorobenzene	18.03	14.69	1.227	ok	1.227	1.167-1.287
trans-1,3-Dichloropropene	12.42	10.35	1.200	ok	1.200	1.140-1.260
Ethanol	4.69	8.43	0.556	ok	0.557	0.497-0.617
Ethylbenzene	15.13	14.69	1.030	ok	1.029	0.969-1.089
Ethyl Acetate	8.48	8.43	1.006	ok	1.005	0.945-1.065
4-Ethyltoluene	17.22	14.69	1.172	ok	1.172	1.112-1.232
Freon 113	6.49	8.43	0.770	ok	0.770	0.710-0.830
Freon 114	3.88	8.43	0.460	ok	0.460	0.400-0.520
Heptane	11.33	10.35	1.095	ok	1.095	1.035-1.155
Hexachlorobutadiene	20.82	14.69	1.417	ok	1.416	1.356-1.476

Initial Calibration Retention Time/Internal Standard Area Summary

Job Number: M65137
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	
MSQ197-IC197	Q3622.D	06/05/07 15:03	PB	4	GCMSQ	TO-15	
MSQ197-IC197	Q3623.D	06/05/07 15:47	PB	40	GCMSQ	TO-15	
MSQ197-IC197	Q3624.D	06/05/07 16:30	PB	20	GCMSQ	TO-15	
MSQ197-ICC197	Q3625.D	06/05/07 17:14	PB	10	GCMSQ	TO-15	
MSQ197-IC197	Q3626.D	06/05/07 17:58	PB	5	GCMSQ	TO-15	
MSQ197-IC197	Q3627.D	06/05/07 18:41	PB	2	GCMSQ	TO-15	
MSQ197-IC197	Q3628.D	06/05/07 19:25	PB	.5	GCMSQ	TO-15	Reporting this level
MSQ197-IC197	Q3629.D	06/05/07 20:08	PB	.2	GCMSQ	TO-15	

Target Compound	RT (min.)	Istd RT (min.)	Rel RT		Mean Rel RT	Rel RT Range (+/- .06)
Hexane	8.47	8.43	1.005	ok	1.005	0.945-1.065
2-Hexanone	13.13	14.69	0.894	ok	0.893	0.833-0.953
Isopropylbenzene	16.48	14.69	1.122	ok	1.121	1.061-1.181
Isopropyl Alcohol	5.47	8.43	0.649	ok	0.648	0.588-0.708
Methylene chloride	6.21	8.43	0.737	ok	0.737	0.677-0.797
Methyl ethyl ketone	7.81	8.43	0.926	ok	0.926	0.866-0.986
Methyl Isobutyl Ketone	11.93	10.35	1.153	ok	1.152	1.092-1.212
Methyl Tert Butyl Ether	7.47	8.43	0.886	ok	0.885	0.825-0.945
Nonane	16.03	14.69	1.091	ok	1.091	1.031-1.151
Pentane	5.78	8.43	0.686	ok	0.686	0.626-0.746
Propylene	3.54	8.43	0.420	ok	0.420	0.360-0.480
Styrene	15.70	14.69	1.069	ok	1.069	1.009-1.129
1,1,1-Trichloroethane	9.55	8.43	1.133	ok	1.134	1.074-1.194
1,1,2,2-Tetrachloroethane	15.81	14.69	1.076	ok	1.077	1.017-1.137
1,1,2-Trichloroethane	12.60	10.35	1.217	ok	1.218	1.158-1.278
1,2,4-Trichlorobenzene	20.33	14.69	1.384	ok	1.383	1.323-1.443
1,2,4-Trimethylbenzene	17.78	14.69	1.210	ok	1.209	1.149-1.269
1,3,5-Trimethylbenzene	17.31	14.69	1.178	ok	1.178	1.118-1.238
2,2,4-Trimethylpentane	11.08	10.35	1.071	ok	1.071	1.011-1.131
Tertiary Butyl Alcohol	6.12	8.43	0.726	ok	0.724	0.664-0.784
Tetrachloroethylene	14.03	14.69	0.955	ok	0.955	0.895-1.015
Tetrahydrofuran	8.98	8.43	1.065	ok	1.064	1.004-1.124
Toluene	12.88	10.35	1.244	ok	1.245	1.185-1.305
Trichloroethylene	11.05	10.35	1.068	ok	1.068	1.008-1.128
Trichlorofluoromethane	5.41	8.43	0.642	ok	0.642	0.582-0.702
Vinyl chloride	4.00	8.43	0.474	ok	0.474	0.414-0.534
Vinyl Acetate	7.55	8.43	0.896	ok	0.895	0.835-0.955
m,p-Xylene	15.33	14.69	1.044	ok	1.042	0.982-1.102
o-Xylene	15.83	14.69	1.078	ok	1.077	1.017-1.137

Internal Standard	RT (min.)		Mean RT(min.)	RT Range (+/- 0.33)	Area		Mean Area	Area Range (+/- 40 %)
Bromochloromethane	8.43	ok	8.43	8.10-8.76	48570	ok	43155	25893-60417
1,4-Difluorobenzene	10.35	ok	10.35	10.02-10.68	205818	ok	182359	109415-255303
Chlorobenzene-D5	14.69	ok	14.70	14.37-15.03	169653	ok	165112	99067-231157

Initial Calibration Retention Time/Internal Standard Area Summary

Job Number: M65137
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	
MSQ197-IC197	Q3622.D	06/05/07 15:03	PB	4	GCMSQ	TO-15	
MSQ197-IC197	Q3623.D	06/05/07 15:47	PB	40	GCMSQ	TO-15	
MSQ197-IC197	Q3624.D	06/05/07 16:30	PB	20	GCMSQ	TO-15	
MSQ197-ICC197	Q3625.D	06/05/07 17:14	PB	10	GCMSQ	TO-15	
MSQ197-IC197	Q3626.D	06/05/07 17:58	PB	5	GCMSQ	TO-15	
MSQ197-IC197	Q3627.D	06/05/07 18:41	PB	2	GCMSQ	TO-15	
MSQ197-IC197	Q3628.D	06/05/07 19:25	PB	.5	GCMSQ	TO-15	
MSQ197-IC197	Q3629.D	06/05/07 20:08	PB	.2	GCMSQ	TO-15	Reporting this level

Target Compound	RT (min.)	Istd RT (min.)	Rel RT		Mean Rel RT	Rel RT Range (+/- .06)
Chloroethane	4.59	8.43	0.544	ok	0.545	0.485-0.605
Chloroform	8.56	8.43	1.015	ok	1.016	0.956-1.076
Chloromethane	3.78	8.43	0.448	ok	0.448	0.388-0.508
Carbon tetrachloride	10.16	8.43	1.205	ok	1.206	1.146-1.266
1,1-Dichloroethane	7.41	8.43	0.879	ok	0.878	0.818-0.938
1,1-Dichloroethylene	6.09	8.43	0.722	ok	0.722	0.662-0.782
1,2-Dichloroethane	9.31	8.43	1.104	ok	1.104	1.044-1.164
trans-1,2-Dichloroethylene	7.19	8.43	0.853	ok	0.853	0.793-0.913
cis-1,2-Dichloroethylene	8.26	8.43	0.980	ok	0.980	0.920-1.040
Methylene chloride	6.21	8.43	0.737	ok	0.737	0.677-0.797
1,1,1-Trichloroethane	9.55	8.43	1.133	ok	1.134	1.074-1.194
1,1,2,2-Tetrachloroethane	15.82	14.69	1.077	ok	1.077	1.017-1.137
1,1,2-Trichloroethane	12.59	10.35	1.216	ok	1.218	1.158-1.278
Tetrachloroethylene	14.03	14.69	0.955	ok	0.955	0.895-1.015
Toluene	12.88	10.35	1.244	ok	1.245	1.185-1.305
Trichloroethylene	11.05	10.35	1.068	ok	1.068	1.008-1.128
Vinyl chloride	4.00	8.43	0.474	ok	0.474	0.414-0.534
m,p-Xylene	15.30	14.69	1.042	ok	1.042	0.982-1.102
o-Xylene	15.83	14.69	1.078	ok	1.077	1.017-1.137

Internal Standard	RT (min.)		Mean RT(min.)	RT Range (+/- 0.33)	Area		Mean Area	Area Range (+/- 40 %)
Bromochloromethane	8.43	ok	8.43	8.10-8.76	51070	ok	43155	25893-60417
1,4-Difluorobenzene	10.35	ok	10.35	10.02-10.68	222957	ok	182359	109415-255303
Chlorobenzene-D5	14.69	ok	14.70	14.37-15.03	186647	ok	165112	99067-231157

Volatile Surrogate Recovery Summary

Job Number: M65137
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
M65137-1	Q3640.D	80.0
M65072-1DUP	Q3636.D	85.0
MSQ189-SCC	Q3484.D	91.0
MSQ198-BS	Q3632A.D	108.0
MSQ198-MB	Q3633.D	85.0

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

Initial Calibration Summary

Job Number: M65137 **Sample:** MSQ189-ICC189
Account: GEI GEI Consultants, Inc. **Lab FileID:** Q3476.D
Project: Indoor & Outdoor Air Samples Tufts St., Somerville MA

Response Factor Report MAMSQ

Method : C:\msdchem\1\METHODS\Q052107T.m (RTE Integrator)
Title : TO15 by GCMS w/DB-1 60 m X .25 mm ID 1.0 um
Last Update : Tue May 22 09:36:34 2007
Response via : Initial Calibration

Calibration Files
.2 =Q3480.D .5 =Q3479.D 2 =Q3478.D
5 =Q3477.D 10 =Q3476.D 20 =Q3475.D 40 =Q3474.D

Compound	.2	.5	2	5	10	20	40	Avg	%RSD
1) I BROMOCHLOROMETHANE	----------ISTD----------								
2)m DICHLORODIFLUOROM	8.106	9.064	7.942	6.847	9.144	9.860		8.494	12.66
3)m PROPYLENE		1.420	1.268	1.022	1.260	1.634		1.321	17.08
4)m FREON 114	7.364	8.448	6.976	6.059	7.982	9.120		7.658	14.27
5)m CHLOROMETHANE	2.263	1.862	1.803	1.400	1.843	2.073		1.874	15.49
6)m VINYL CHLORIDE	1.852	2.130	1.747	1.497	1.879	2.135		1.873	12.92
7)m 1,3-BUTADIENE	2.259	2.259	1.866	1.739	2.049	2.283		2.076	11.16
8)m BROMOMETHANE	2.974	2.489	2.150	1.691	2.084	2.454		2.307	18.94
9)m CHLOROETHANE	1.381	1.264	0.803	0.692	0.772	0.890		0.967	29.47
10)m TRICHLOROFLUOROME	1.508	1.376	1.209	0.942	1.134	1.484	1.158	1.259 E1	16.37
11)m ISOPROPYL ALCOHOL		3.808	3.641	2.993	3.680	4.121	3.413	3.609	10.55
12)m ACETONE		5.057	4.173	3.431	4.197	4.613	3.975	4.241	13.08
13)m PENTANE		2.537	2.068	1.751	1.949	2.380	1.983	2.111	13.85
14)m 1,1-DICHLOROETHYL	3.088	2.737	2.294	2.212	2.527	3.138	2.547	2.649	13.62
15)m CARBON DISULFIDE	8.449	7.013	5.716	5.915	6.735	7.446	6.355	6.804	13.87
16)m ETHANOL		0.547	0.604	0.487	0.524	0.709	0.470	0.557	15.88
17)m BROMOETHENE	2.673	3.403	2.130	1.806	2.204	2.588	2.233	2.434	21.22
18)m METHYLENE CHLORID		3.447	2.286	2.055	2.292	2.573	2.082	2.456	21.17
19)m 3-CHLOROPROPENE	5.342	3.464	3.121	2.938	3.252	3.706	3.156	3.568	23.00
20)m FREON 113	1.150	0.638	0.649	0.714	0.858	1.011	0.884	0.844 E1	22.74
21)m TRANS-1,2-DICHLOR	3.263	2.095	1.832	2.497	2.962	3.120	2.755	2.646	20.15
22)m TERTIARY BUTYL AL	7.365	4.370	4.080	4.503	4.746	5.756	4.132	4.993	23.80
23)m METHYL TERTIARY B	7.039	4.074	4.323	5.322	6.774	7.222	6.552	5.901	22.30
24)m TETRAHYDROFURAN		1.499	1.360	1.382	1.502	1.742	1.649	1.522	9.79
25)m HEXANE		2.676	1.865	1.505	1.735	1.985	1.932	1.950	20.26
26)m VINYL ACETATE	2.578	3.543	3.649	3.401	6.223	6.764	6.457	4.659	37.47
----- Linear regression (equal Weighting)----- Coefficient = 0.9961									
Response Ratio = -0.47381 + 6.63526 *A									
27)m 1,1-DICHLOROETHAN	6.765	3.883	3.539	4.432	4.902	5.345	4.687	4.793	22.13
28)m METHYL ETHYL KETO		2.957	3.799	2.918	3.318	3.616	3.859	3.411	12.10
29)m cis-1,2-DICHLOROE	1.000	1.754	1.364	1.200	1.434	1.631	1.648	1.433	18.80
30)m ETHYL ACETATE		6.628	5.579	4.863	5.218	5.958	5.925	5.695	10.90
31)m CHLOROFORM	4.908	6.098	4.219	3.875	4.114	4.604	4.765	4.655	15.82
32)m 1,1,1-TRICHLOROET	6.093	6.507	5.600	4.445	4.581	5.371	5.637	5.462	13.70
33)m CARBON TETRACHLOR	5.602	7.794	6.122	5.174	5.877	6.521	6.819	6.273	13.82
34)m 1,2-DICHLOROETHAN	3.019	4.027	3.023	2.839	2.856	3.096	3.346	3.172	13.02
35) I 1,4-DIFLUOROBENZENE	----------ISTD----------								
36)m BENZENE	0.855	0.994	0.853	0.706	0.817	0.950	1.115	0.899	14.81
37)m CYCLOHEXANE		0.316	0.360	0.244	0.317	0.332	0.346	0.319	12.69
38)m TRICHLOROETHYLENE	0.435	0.604	0.573	0.426	0.506	0.587	0.659	0.541	16.32
39)m 1,2-DICHLOROPROPA	0.168	0.323	0.359	0.261	0.303	0.327	0.348	0.299	22.08
40)m BROMODICHLOROMETH	0.881	1.133	1.112	0.853	0.947	1.051	1.190	1.024	12.81
41)m 2,2,4-TRIMETHYLPE	1.198	1.558	1.481	1.134	1.311	1.515	1.696	1.413	14.46
42)m 1,4-DIOXANE		0.088	0.156	0.133	0.153	0.183	0.202	0.153	26.15

Initial Calibration Summary

Job Number: M65137 **Sample:** MSQ189-ICC189
Account: GEI GEI Consultants, Inc. **Lab FileID:** Q3476.D
Project: Indoor & Outdoor Air Samples Tufts St., Somerville MA

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43)m HEPTANE           0.316 0.567 0.674 0.461 0.553 0.598 0.646 0.545  22.44
44)m METHYL ISOBUTYL K       0.576 0.860 0.739 0.822 0.953 1.031 0.830  19.37
45)m cis-1,3-DICHLOROP       0.458 0.511 0.402 0.470 0.555 0.650 0.508  17.07
46)m TOLUENE           0.296 0.488 0.565 0.514 0.621 0.687       0.528  25.55
47)m trans-1,3-DICHLOR       0.352 0.447 0.409 0.486 0.568 0.710 0.495  25.87
48)m 1,1,2-TRICHLOROET 0.254 0.331 0.446 0.333 0.361 0.402 0.433 0.366  18.40

49) I   CHLOROBENZENE-D5      ----------------ISTD--------------------
50)m 2-HEXANONE              0.301 0.738 0.692 0.850 0.941 0.958 0.747  32.52
  ----- Linear regression  (equal Weighting)-----  Coefficient =  0.9991
              Response Ratio = -0.08206 + 0.97634 *A

51)m TETRACHLOROETHYLE 0.417 0.481 0.241 0.444 0.573 0.696 1.000 0.550  44.13
         ----- Quadratic regression -----  Coefficient =  0.9998
              Response Ratio = -0.01011 + 0.41026 *A + 0.14791 *A^2

52)m DIBROMOCHLOROMETH 0.907 1.050 1.133 1.004 1.258 1.363 1.653 1.195  21.22
53)m 1,2-DIBROMOETHANE       0.857 0.985 0.663 0.840 0.937 1.077 0.893  15.94
54)m CHLOROBENZENE           1.116 1.025 0.869 1.005 1.185 1.235 1.072  12.46
55)m ETHYLBENZENE            1.287 1.528 1.443 1.819 1.982 2.230 1.715  20.86
56)m m,p-XYLENE              0.505 0.679 0.552 0.686 0.765 0.945 0.689  22.89
57)m o-XYLENE                0.594 0.733 0.505 0.669 0.791 0.976 0.711  23.09
58)m STYRENE                 0.513 0.786 0.681 0.920 1.015 1.154 0.845  27.54
59)m NONANE                  0.833 0.964 0.889 1.084 1.260 1.298 1.055  18.32
60)m BROMOFORM               0.821 1.027 1.005 1.317 1.602       1.155  26.57
61)S 4-BROMOFLUOROBENZ 0.758 0.569 0.834 0.793 0.827 0.802 0.791 0.768  11.88
62)m 1,1,2,2-TETRACHLO 1.326 0.729 1.298 0.932 1.198 1.335 1.635 1.208  24.51
63)m ISOPROPYLBENZENE  1.263 1.366 1.685 1.629 2.040 2.274 2.680 1.848  27.60
64)m 2-CHLOROTOLUENE         0.812 1.291 1.185 1.499 1.758 1.940 1.414  28.86
65)m 4-ETHYLTOLUENE    0.485 0.865 1.541 1.508 1.939 2.245 2.686 1.610  47.50
         ----- Quadratic regression -----  Coefficient =  0.9997
              Response Ratio = -0.07523 + 1.79793 *A + 0.22760 *A^2

66)m 1,3,5-TRIMETHYLBE 0.671 0.963 1.394 1.385 1.936 2.170 2.664 1.598  43.71
         ----- Quadratic regression -----  Coefficient =  0.9997
              Response Ratio = -0.07012 + 1.70566 *A + 0.24429 *A^2

67)m 1,2,4-TRIMETHYLBE 0.431 0.671 1.164 1.290 1.684 2.058 2.527 1.403  53.02
         ----- Quadratic regression -----  Coefficient =  0.9997
              Response Ratio = -0.08413 + 1.56607 *A + 0.24640 *A^2

68)m m-DICHLOROBENZENE 0.166 0.402 0.870 0.814 1.045 1.274 1.629 0.886  56.20
         ----- Quadratic regression -----  Coefficient =  0.9998
              Response Ratio = -0.03485 + 0.91212 *A + 0.18182 *A^2

69)m BENZYL CHLORIDE   0.197 0.300 0.603 0.880 1.134 1.312 1.539 0.852  59.86
  ----- Linear regression  (equal Weighting)-----  Coefficient =  0.9931
              Response Ratio = -0.21853 + 1.54737 *A

70)m p-DICHLOROBENZENE 0.124 0.370 0.772 0.698 0.959 1.112 1.413 0.778  56.20
         ----- Quadratic regression -----  Coefficient =  0.9998
              Response Ratio = -0.03105 + 0.82097 *A + 0.15016 *A^2

71)m o-DICHLOROBENZENE 0.386 0.374 0.575 0.765 1.003 1.195 1.479 0.825  50.89
         ----- Quadratic regression -----  Coefficient =  0.9997
              Response Ratio = -0.05048 + 0.91451 *A + 0.14470 *A^2

72)m HEXACHLOROBUTADIE 1.873 0.305 0.251 0.406 0.530 0.543 0.470 0.625  89.70
         ----- Quadratic regression -----  Coefficient =  0.9967
              Response Ratio = -0.03177 + 0.60036 *A + -0.03020 *A^2
```

Initial Calibration Summary

Job Number: M65137 **Sample:** MSQ189-ICC189
Account: GEI GEI Consultants, Inc. **Lab FileID:** Q3476.D
Project: Indoor & Outdoor Air Samples Tufts St., Somerville MA

```
73)m 1,2,4-TRICHLOROBE 0.069 0.068 0.156 0.160 0.171 0.138 0.138 0.128  33.28
         ----- Quadratic regression -----  Coefficient =  0.9970
              Response Ratio = 0.00155 + 0.15304 *A + -0.00409 *A^2

74)m NAPHTHALENE                                                 0.000  -1.00
---------------------------------------------------------------------------
(#) = Out of Range

          Q052107T.m        Tue May 22 09:38:32 2007   RPT1
```

Initial Calibration Verification

Job Number: M65137 **Sample:** MSQ189-ICV189
Account: GEI GEI Consultants, Inc. **Lab FileID:** Q3482.D
Project: Indoor & Outdoor Air Samples Tufts St., Somerville MA

Evaluate Continuing Calibration Report

Data File : C:\msdchem\1\DATA\Q3482.D Vial: 1
Acq On : 22 May 2007 9:55 am Operator: PhilipB
Sample : ICV189-10 (M068) Inst : MAMSQ
Misc : MS13602,MSQ189,,,,,1 Multiplr: 1.00
MS Integration Params: LSCINT.P

Method : C:\msdchem\1\METHODS\Q052107T.m (RTE Integrator)
Title : TO15 by GCMS w/DB-1 60 m X .25 mm ID 1.0 um
Last Update : Tue May 22 09:36:34 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	98	0.00	8.21- 8.62
2	m	DICHLORODIFLUOROMETHAN	8.494	6.341	25.3	68	0.00	3.38- 3.79
3	m	PROPYLENE	1.321	0.949	28.2	74	0.00	3.31- 3.72
4	m	FREON 114	7.658	6.571	14.2	81	0.00	3.65- 4.06
5	m	CHLOROMETHANE	1.874	1.355	27.7	72	0.00	3.55- 3.96
6	m	VINYL CHLORIDE	1.873	1.523	18.7	79	0.00	3.77- 4.19
7	m	1,3-BUTADIENE	2.076	1.688	18.7	81	0.00	3.91- 4.32
8	m	BROMOMETHANE	2.307	2.024	12.3	95	0.00	4.19- 4.60
9	m	CHLOROETHANE	0.967	0.768	20.6	97	0.00	4.37- 4.78
10	m	TRICHLOROFLUOROMETHANE	12.587	12.822	-1.9	111	0.00	5.18- 5.59
11	m	ISOPROPYL ALCOHOL	3.609	3.959	-9.7	105	0.00	5.20- 5.67
12	m	ACETONE	4.241	4.442	-4.7	104	0.00	4.98- 5.39
13	m	PENTANE	2.111	2.360	-11.8	119	0.00	5.61- 5.92
14	m	1,1-DICHLOROETHYLENE	2.649	2.975	-12.3	115	0.00	5.86- 6.27
15	m	CARBON DISULFIDE	6.804	6.978	-2.6	102	0.00	6.31- 6.72
16	m	ETHANOL	0.557	0.547	1.8	102	-0.01	4.43- 4.89
17	m	BROMOETHENE	2.434	2.216	9.0	99	0.00	4.73- 5.14
18	m	METHYLENE CHLORIDE	2.456	2.429	1.1	104	0.00	6.04- 6.34
19	m	3-CHLOROPROPENE	3.568	3.542	0.7	107	0.00	6.11- 6.52
20	m	FREON 113	8.436	8.322	1.4	95	0.00	6.26- 6.67
21	m	TRANS-1,2-DICHLOROETHY	2.646	2.642	0.2	87	0.00	6.97- 7.38
22	m	TERTIARY BUTYL ALCOHOL	4.993	5.365	-7.5	111	-0.01	5.82- 6.34
23	m	METHYL TERTIARY BUTYL	5.901	6.483	-9.9	94	0.00	7.24- 7.65
24	m	TETRAHYDROFURAN	1.522	1.556	-2.2	102	0.00	8.81- 9.09
25	m	HEXANE	1.950	1.805	7.4	102	0.00	8.25- 8.66
			True	Calc.	% Drift			
26	m	VINYL ACETATE	10.000	10.757	-7.6	105	0.00	7.35- 7.70
			AvgRF	CCRF	% Dev			
27	m	1,1-DICHLOROETHANE	4.793	5.033	-5.0	101	0.00	7.18- 7.59
28	m	METHYL ETHYL KETONE	3.411	3.291	3.5	97	0.00	7.55- 8.03
29	m	cis-1,2-DICHLOROETHYLE	1.433	1.427	0.4	98	0.00	8.04- 8.45
30	m	ETHYL ACETATE	5.695	5.528	2.9	104	0.00	8.25- 8.67
31	m	CHLOROFORM	4.655	4.463	4.1	106	0.00	8.34- 8.76
32	m	1,1,1-TRICHLOROETHANE	5.462	4.908	10.1	105	0.00	9.34- 9.76
33	m	CARBON TETRACHLORIDE	6.273	5.858	6.6	98	0.00	9.95-10.36
34	m	1,2-DICHLOROETHANE	3.172	3.065	3.4	105	0.00	9.09- 9.50
35	I	1,4-DIFLUOROBENZENE	1.000	1.000	0.0	103	0.00	10.14-10.55
36	m	BENZENE	0.899	0.819	8.9	103	0.00	9.80-10.21
37	m	CYCLOHEXANE	0.319	0.296	7.2	96	0.00	10.08-10.49

Initial Calibration Verification

Job Number: M65137 **Sample:** MSQ189-ICV189
Account: GEI GEI Consultants, Inc. **Lab FileID:** Q3482.D
Project: Indoor & Outdoor Air Samples Tufts St., Somerville MA

38	m	TRICHLOROETHYLENE	0.541	0.529	2.2	107	0.00	10.89-11.20
39	m	1,2-DICHLOROPROPANE	0.299	0.311	-4.0	106	0.00	10.61-11.02
40	m	BROMODICHLOROMETHANE	1.024	0.963	6.0	104	0.00	10.85-11.16
41	m	2,2,4-TRIMETHYLPENTANE	1.413	1.384	2.1	108	0.00	10.86-11.28
42	m	1,4-DIOXANE	0.153	0.165	-7.8	111	0.00	10.78-11.30
43	m	HEPTANE	0.545	0.522	4.2	97	0.00	11.17-11.48
44	m	METHYL ISOBUTYL KETONE	0.830	0.866	-4.3	108	0.00	11.70-12.13
45	m	cis-1,3-DICHLOROPROPEN	0.508	0.486	4.3	106	0.00	11.69-12.10
46	m	TOLUENE	0.528	0.613	-16.1	101	0.00	12.67-13.08
47	m	trans-1,3-DICHLOROPROP	0.495	0.506	-2.2	107	0.00	12.26-12.57
48	m	1,1,2-TRICHLOROETHANE	0.366	0.362	1.1	103	0.00	12.41-12.78
49	I	CHLOROBENZENE-D5	1.000	1.000	0.0	104	0.00	14.54-14.85
		----------	True	Calc.	% Drift	----------		
50	m	2-HEXANONE	10.000	9.946	0.5	109	0.00	12.91-13.31
51	m	TETRACHLOROETHYLENE	10.000	9.620	3.8	95	0.00	13.83-14.24
		----------	AvgRF	CCRF	% Dev	----------		
52	m	DIBROMOCHLOROMETHANE	1.195	1.197	-0.2	99	0.00	13.13-13.50
53	m	1,2-DIBROMOETHANE	0.893	0.821	8.1	102	0.00	13.42-13.73
54	m	CHLOROBENZENE	1.072	0.986	8.0	102	0.00	14.59-14.90
55	m	ETHYLBENZENE	1.715	1.794	-4.6	103	0.00	14.95-15.31
56	m	m,p-XYLENE	0.689	0.657	4.6	100	0.00	15.14-15.50
57	m	o-XYLENE	0.711	0.669	5.9	104	0.00	15.64-16.01
58	m	STYRENE	0.845	0.836	1.1	95	0.00	15.55-15.86
59	m	NONANE	1.055	1.105	-4.7	106	0.00	15.88-16.19
60	m	BROMOFORM	1.155	1.248	-8.1	99	0.00	15.27-15.58
61	S	4-BROMOFLUOROBENZENE	0.768	0.817	-6.4	103	0.00	16.18-16.49
62	m	1,1,2,2-TETRACHLOROETH	1.208	1.209	-0.1	105	0.00	15.66-15.97
63	m	ISOPROPYLBENZENE	1.848	1.924	-4.1	98	0.00	16.32-16.63
64	m	2-CHLOROTOLUENE	1.414	1.464	-3.5	102	0.00	16.82-17.24
		----------	True	Calc.	% Drift	----------		
65	m	4-ETHYLTOLUENE	10.000	9.287	7.1	96	0.00	17.09-17.36
66	m	1,3,5-TRIMETHYLBENZENE	10.000	9.113	8.9	91	0.00	17.18-17.44
67	m	1,2,4-TRIMETHYLBENZENE	10.000	9.177	8.2	96	0.00	17.62-17.93
68	m	m-DICHLOROBENZENE	10.000	8.905	11.0	92	0.00	17.79-18.12
69	m	BENZYL CHLORIDE	10.000	8.163	18.4	96	0.00	17.78-18.09
70	m	p-DICHLOROBENZENE	10.000	9.490	5.1	96	0.00	17.91-18.15
71	m	o-DICHLOROBENZENE	10.000	8.499	15.0	86	0.00	18.26-18.57
72	m	HEXACHLOROBUTADIENE	10.000	8.877	11.2	94	0.00	20.61-21.02
73	m	1,2,4-TRICHLOROBENZENE	10.000	8.740	12.6	81	0.00	20.12-20.53
		----------	AvgRF	CCRF	% Dev	----------		
74	m	NAPHTHALENE		----------NA----------				

(#) = Out of Range SPCC's out = 0 CCC's out = 0
Q3476.D Q052107T.m Tue May 22 15:17:13 2007 RPT1

Initial Calibration Summary

Job Number: M65137 **Sample:** MSQ197-ICC197
Account: GEI GEI Consultants, Inc. **Lab FileID:** Q3625.D
Project: Indoor & Outdoor Air Samples Tufts St., Somerville MA

Response Factor Report MAMSQ

Method : C:\msdchem\1\METHODS\Q060507T.m (RTE Integrator)
Title : TO15 by GCMS w/DB-1 60 m X .25 mm ID 1.0 um
Last Update : Wed Jun 06 14:52:22 2007
Response via : Initial Calibration

Calibration Files
.2 =Q3629.D .5 =Q3628.D 2 =Q3627.D
5 =Q3626.D 10 =Q3625.D 20 =Q3624.D 40 =Q3623.D

Compound	.2	.5	2	5	10	20	40	Avg	%RSD
1) I BROMOCHLOROMETHANE	----------ISTD----------								
2)m DICHLORODIFLUOROM		0.821	1.039	1.259	1.526	1.573	1.083	1.217	E1 24.11
3)m PROPYLENE		0.892	1.148	1.479	1.230	1.407	1.244	1.233	16.79
4)m FREON 114		0.596	0.800	0.947	1.138	1.281	0.959	0.953	E1 25.38
5)m CHLOROMETHANE	1.216	1.282	1.650	1.898	1.904	2.026	1.669	1.664	18.86
6)m VINYL CHLORIDE	1.532	1.228	1.783	1.877	2.284	2.541	1.917	1.880	23.34
7)m 1,3-BUTADIENE		1.722	1.971	2.090	2.303	2.552	2.392	2.172	13.94
8)m BROMOMETHANE		1.795	2.084	2.327	3.168	3.492	2.426	2.549	25.55
9)m CHLOROETHANE	0.591	0.582	0.798	0.865	0.985	1.127	0.905	0.836	23.84
10)m TRICHLOROFLUOROME		1.165	1.470	1.507	1.642	1.809	1.519	1.519	E1 14.03
11)m ISOPROPYL ALCOHOL		4.001	3.996	4.405	4.435	4.904	4.508	4.375	7.82
12)m ACETONE		5.287	4.907	4.999	5.138	5.767	5.518	5.269	6.19
13)m PENTANE		2.178	2.441	2.386	2.405	2.588	2.521	2.420	5.81
14)m 1,1-DICHLOROETHYL	2.494	2.449	2.891	3.167	2.992	3.248	2.960	2.886	10.70
15)m CARBON DISULFIDE		5.872	7.942	8.369	7.308	8.402	8.018	7.652	12.51
16)m ETHANOL		0.537	0.550	0.551	0.628	0.714	0.647	0.605	11.62
17)m BROMOETHENE		2.084	2.371	2.420	3.463	3.469	2.719	2.754	21.32
18)m METHYLENE CHLORID	6.330	4.823	2.874	2.971	2.490	2.870	2.349	3.529	41.96
----- Quadratic regression ----- Coefficient = 0.9962									
Response Ratio = -0.01215 + 3.08646 *A + -0.18038 *A^2									
19)m 3-CHLOROPROPENE		3.385	3.734	3.735	3.180	3.910	3.873	3.636	7.98
20)m FREON 113		0.766	0.931	0.974	0.859	1.074	0.910	0.919	E1 11.33
21)m TRANS-1,2-DICHLOR	2.457	2.408	3.354	3.519	2.901	3.315	3.139	3.013	14.63
22)m TERTIARY BUTYL AL		4.898	5.668	6.124	5.576	6.414	6.178	5.810	9.44
23)m METHYL TERTIARY B		7.029	4.584	8.706	7.071	7.951	8.245	7.264	20.22
24)m TETRAHYDROFURAN		0.870	1.445	1.625	1.529	1.755	2.156	1.564	26.94
25)m HEXANE		1.550	1.741	1.897	1.673	1.871	2.395	1.854	15.86
26)m VINYL ACETATE		5.804	4.213	7.397	6.091	7.021	7.776	6.384	20.43
27)m 1,1-DICHLOROETHAN	4.706	4.742	3.523	6.153	4.952	5.539	5.817	5.062	17.29
28)m METHYL ETHYL KETO		2.961	3.639	3.965	3.385	3.796	4.829	3.763	16.73
29)m cis-1,2-DICHLOROE	0.862	0.976	1.343	1.432	1.291	1.477	1.809	1.313	24.20
30)m ETHYL ACETATE		4.692	5.769	6.234	5.462	6.303	8.127	6.098	18.94
31)m CHLOROFORM	4.742	4.731	5.329	5.307	4.606	5.287	6.379	5.197	11.68
32)m 1,1,1-TRICHLOROET	4.822	5.088	6.322	6.621	5.847	6.522	7.926	6.164	16.92
33)m CARBON TETRACHLOR	0.617	0.650	0.769	0.821	0.717	0.836	1.038	0.778	E1 18.09
34)m 1,2-DICHLOROETHAN	3.542	3.384	4.447	4.730	4.032	4.589	5.375	4.300	16.25
35) I 1,4-DIFLUOROBENZENE	----------ISTD----------								
36)m BENZENE		0.663	0.833	0.885	0.855	1.002	1.095	0.889	16.73
37)m CYCLOHEXANE		0.189	0.285	0.282	0.294	0.329	0.385	0.294	21.99
38)m TRICHLOROETHYLENE	0.333	0.431	0.606	0.639	0.582	0.725	0.916	0.605	31.42
----- Quadratic regression ----- Coefficient = 0.9997									
Response Ratio = 0.00367 + 0.51764 *A + 0.09945 *A^2									
39)m 1,2-DICHLOROPROPA		0.293	0.348	0.370	0.341	0.413	0.425	0.365	13.45

Initial Calibration Summary

Job Number: M65137 **Sample:** MSQ197-ICC197
Account: GEI GEI Consultants, Inc. **Lab FileID:** Q3625.D
Project: Indoor & Outdoor Air Samples Tufts St., Somerville MA

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40)m BROMODICHLOROMETH       1.039 1.258 1.331 1.232 1.473 1.675 1.335  16.38
41)m 2,2,4-TRIMETHYLPE       1.157 1.362 1.486 1.309 1.576 2.008 1.483  19.90
42)m 1,4-DIOXANE             0.079 0.152 0.164 0.167 0.193 0.252 0.168  33.55
         ----- Quadratic regression -----  Coefficient =  0.9999
              Response Ratio = 0.00175 + 0.13520 *A + 0.02909 *A^2

43)m HEPTANE                 0.503 0.568 0.618 0.574 0.700 0.850 0.636  19.45
44)m METHYL ISOBUTYL K       0.592 0.913 1.029 1.038 1.131 1.436 1.023  26.95
45)m cis-1,3-DICHLOROP       0.375 0.544 0.628 0.649 0.698 0.882 0.629  26.67
46)m TOLUENE           0.345 0.414 0.598 0.662 0.636 0.799 1.028 0.640  35.84
         ----- Quadratic regression -----  Coefficient =  0.9998
              Response Ratio = -0.00161 + 0.55507 *A + 0.11850 *A^2

47)m trans-1,3-DICHLOR       0.332 0.614 0.759 0.755 0.942 1.076 0.747  34.74
  ----- Linear regression  (equal Weighting)-----  Coefficient =  0.9942
              Response Ratio = -0.16653 + 1.09204 *A

48)m 1,1,2-TRICHLOROET 0.201 0.282 0.392 0.393 0.356 0.450       0.346  26.05

49) I   CHLOROBENZENE-D5      ----------------ISTD---------------------
50)m 2-HEXANONE              0.560 0.913 1.068 1.024 1.157 1.342 1.011  26.06
51)m TETRACHLOROETHYLE 0.552 0.575 0.668 0.694 0.649 0.792 1.162 0.728  28.52
52)m DIBROMOCHLOROMETH       1.136 1.449 1.520 1.454 1.555 2.133 1.541  21.14
53)m 1,2-DIBROMOETHANE       0.707 0.892 0.957 0.939 0.981 1.353 0.971  21.77
54)m CHLOROBENZENE           0.816 1.052 1.106 1.060 1.234 1.617 1.148  23.26
55)m ETHYLBENZENE            1.128 1.763 1.933 1.959 2.025 2.816 1.937  27.95
56)m m,p-XYLENE        0.378 0.430 0.650 0.683 0.731 0.809 1.144 0.689  36.95
         ----- Quadratic regression -----  Coefficient =  0.9996
              Response Ratio = 0.03446 + 0.51063 *A + 0.07839 *A^2

57)m o-XYLENE          0.405 0.448 0.641 0.801 0.849 1.027 1.382 0.793  43.00
         ----- Quadratic regression -----  Coefficient =  1.0000
              Response Ratio = -0.00598 + 0.68184 *A + 0.17542 *A^2

58)m STYRENE                 0.452 0.879 1.056 1.142 1.426 1.639 1.099  37.92
  ----- Linear regression  (equal Weighting)-----  Coefficient =  0.9939
              Response Ratio = -0.27368 + 1.66693 *A

59)m NONANE                  0.718 1.122 1.349 1.454 1.396 1.770 1.301  27.21
60)m BROMOFORM               0.951 1.415 1.591 1.568 1.849 2.713 1.681  34.86
         ----- Quadratic regression -----  Coefficient =  0.9997
              Response Ratio = 0.07773 + 1.01412 *A + 0.41881 *A^2

61)S 4-BROMOFLUOROBENZ 0.903 0.945 1.012 1.119 1.293 1.118 1.142 1.052  13.40
62)m 1,1,2,2-TETRACHLO 0.972 0.837 1.068 1.297 1.348 1.607       1.188  23.72
63)m ISOPROPYLBENZENE        1.479 2.178 2.676 2.513 3.398 4.003 2.708  32.96
         ----- Quadratic regression -----  Coefficient =  0.9990
              Response Ratio = -0.13470 + 2.65364 *A + 0.34794 *A^2

64)m 2-CHLOROTOLUENE         1.003 1.540 2.274 2.374 2.532 2.995 2.120  34.09
         ----- Quadratic regression -----  Coefficient =  0.9999
              Response Ratio = -0.06131 + 2.17093 *A + 0.20935 *A^2

65)m 4-ETHYLTOLUENE          1.125 1.942 2.753 2.959 3.583 4.187 2.758  40.04
         ----- Quadratic regression -----  Coefficient =  0.9998
              Response Ratio = -0.19011 + 2.99398 *A + 0.31146 *A^2

66)m 1,3,5-TRIMETHYLBE       1.212 1.905 2.487 2.329 3.443 3.930 2.551  39.04
         ----- Quadratic regression -----  Coefficient =  0.9977
              Response Ratio = -0.22580 + 2.75055 *A + 0.31272 *A^2
```

Initial Calibration Summary

Job Number: M65137 **Sample:** MSQ197-ICC197
Account: GEI GEI Consultants, Inc. **Lab FileID:** Q3625.D
Project: Indoor & Outdoor Air Samples Tufts St., Somerville MA

```
67)m 1,2,4-TRIMETHYLBE       0.997 1.746 2.786 3.107 3.151 3.976 2.627  40.93
         ----- Quadratic regression -----  Coefficient =  0.9994
              Response Ratio = -0.04845 + 2.55824 *A + 0.35551 *A^2

68)m m-DICHLOROBENZENE       0.771 1.251 1.752 2.176 2.232 3.177 1.893  44.41
         ----- Quadratic regression -----  Coefficient =  0.9990
              Response Ratio = 0.01342 + 1.47484 *A + 0.42276 *A^2

69)m BENZYL CHLORIDE         0.649 1.041 1.909 2.327 2.426 3.017 1.895  47.25
         ----- Quadratic regression -----  Coefficient =  0.9996
              Response Ratio = -0.10404 + 2.01392 *A + 0.25632 *A^2

70)m p-DICHLOROBENZENE       0.684 1.213 1.726 2.089 2.234 3.109 1.842  45.85
         ----- Quadratic regression -----  Coefficient =  0.9995
              Response Ratio = -0.01151 + 1.51081 *A + 0.39880 *A^2

71)m o-DICHLOROBENZENE       0.665 0.981 2.001 1.893 2.611 2.851 1.834  47.33
         ----- Quadratic regression -----  Coefficient =  0.9980
              Response Ratio = -0.22470 + 2.29543 *A + 0.15538 *A^2

72)m HEXACHLOROBUTADIE       0.577 0.323 0.866 1.009 1.367 1.999 1.023  58.40
         ----- Quadratic regression -----  Coefficient =  0.9999
              Response Ratio = -0.04762 + 0.75993 *A + 0.31294 *A^2

73)m 1,2,4-TRICHLOROBE       0.196 0.232 0.474 0.701 0.686 0.990 0.546  55.93
         ----- Quadratic regression -----  Coefficient =  0.9982
              Response Ratio = -0.01392 + 0.46816 *A + 0.13065 *A^2

74)m NAPHTHALENE                                                2.721   0.00
75)  2-METHYLNAPHTHALE                                          0.518   0.00
76)  1-METHYLNAPHTHALE                                          0.646   0.00
-------------------------------------------------------------------------------
(#) = Out of Range  ###  Number of calibration levels exceeded format  ###

          Q060507T.m        Wed Jun 06 14:56:34 2007   RPT1
```

Initial Calibration Verification

Job Number: M65137 **Sample:** MSQ197-ICV197
Account: GEI GEI Consultants, Inc. **Lab FileID:** Q3631.D
Project: Indoor & Outdoor Air Samples Tufts St., Somerville MA

Evaluate Continuing Calibration Report

Data File : C:\msdchem\1\DATA\Q3631.D Vial: 4
Acq On : 6 Jun 2007 2:41 pm Operator: PhilipB
Sample : ICV197-10 (M179) Inst : MAMSQ
Misc : MS13684, MSQ197,,,,,1 Multiplr: 1.00
MS Integration Params: LSCINT.P

Method : C:\msdchem\1\METHODS\Q060507T.m (RTE Integrator)
Title : TO15 by GCMS w/DB-1 60 m X .25 mm ID 1.0 um
Last Update : Wed Jun 06 14:52:22 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	127	0.00	8.23- 8.64
2	m	DICHLORODIFLUOROMETHAN	12.168	8.599	29.3	72	0.00	3.41- 3.82
3	m	PROPYLENE	1.233	0.970	21.3	100	0.00	3.34- 3.75
4	m	FREON 114	9.534	6.998	26.6	78	0.00	3.67- 4.08
5	m	CHLOROMETHANE	1.664	1.233	25.9	82	0.00	3.57- 3.99
6	m	VINYL CHLORIDE	1.880	1.358	27.8	75	0.00	3.80- 4.21
7	m	1,3-BUTADIENE	2.172	1.721	20.8	95	0.00	3.93- 4.35
8	m	BROMOMETHANE	2.549	1.805	29.2	72	0.00	4.21- 4.63
9	m	CHLOROETHANE	0.836	0.700	16.3	90	0.00	4.39- 4.80
10	m	TRICHLOROFLUOROMETHANE	15.186	12.726	16.2	98	0.00	5.20- 5.61
11	m	ISOPROPYL ALCOHOL	4.375	3.786	13.5	108	-0.01	5.22- 5.70
12	m	ACETONE	5.269	4.475	15.1	110	0.00	5.00- 5.41
13	m	PENTANE	2.420	2.264	6.4	119	0.00	5.63- 5.94
14	m	1,1-DICHLOROETHYLENE	2.886	2.528	12.4	107	0.00	5.88- 6.29
15	m	CARBON DISULFIDE	7.652	7.247	5.3	126	0.00	6.33- 6.75
16	m	ETHANOL	0.605	0.481	20.5	97	-0.01	4.46- 4.92
17	m	BROMOETHENE	2.754	2.071	24.8	76	0.00	4.76- 5.17
		----------	True	Calc.	% Drift	----------		
18	m	METHYLENE CHLORIDE	10.000	7.208	27.9	108	0.00	6.06- 6.36
		----------	AvgRF	CCRF	% Dev	----------		
19	m	3-CHLOROPROPENE	3.636	3.484	4.2	139	0.00	6.13- 6.54
20	m	FREON 113	9.189	7.739	15.8	114	0.00	6.28- 6.69
21	m	TRANS-1,2-DICHLOROETHY	3.013	3.010	0.1	132	0.00	6.99- 7.40
22	m	TERTIARY BUTYL ALCOHOL	5.810	5.464	6.0	124	-0.01	5.84- 6.36
23	m	METHYL TERTIARY BUTYL	7.264	7.616	-4.8	137	0.00	7.25- 7.66
24	m	TETRAHYDROFURAN	1.564	1.784	-14.1	148	0.00	8.82- 9.11
25	m	HEXANE	1.854	2.018	-8.8	153	0.00	8.26- 8.68
26	m	VINYL ACETATE	6.384	7.212	-13.0	150	0.00	7.37- 7.72
27	m	1,1-DICHLOROETHANE	5.062	5.636	-11.3	144	0.00	7.20- 7.61
28	m	METHYL ETHYL KETONE	3.763	4.197	-11.5	157	0.00	7.56- 8.04
29	m	cis-1,2-DICHLOROETHYLE	1.313	1.460	-11.2	144	0.00	8.05- 8.47
30	m	ETHYL ACETATE	6.098	6.684	-9.6	155	0.00	8.26- 8.69
31	m	CHLOROFORM	5.197	5.401	-3.9	149	0.00	8.36- 8.77
32	m	1,1,1-TRICHLOROETHANE	6.164	6.543	-6.1	142	0.00	9.35- 9.77
33	m	CARBON TETRACHLORIDE	7.784	8.152	-4.7	144	0.00	9.96-10.37
34	m	1,2-DICHLOROETHANE	4.300	4.594	-6.8	145	0.00	9.10- 9.51
35	I	1,4-DIFLUOROBENZENE	1.000	1.000	0.0	124	0.00	10.15-10.56
36	m	BENZENE	0.889	0.950	-6.9	138	-0.01	9.81-10.22
37	m	CYCLOHEXANE	0.294	0.329	-11.9	139	0.00	10.08-10.50

Initial Calibration Verification

Job Number: M65137 **Sample:** MSQ197-ICV197
Account: GEI GEI Consultants, Inc. **Lab FileID:** Q3631.D
Project: Indoor & Outdoor Air Samples Tufts St., Somerville MA

		----------	True	Calc.	% Drift		----------	
38	m	TRICHLOROETHYLENE	10.000	10.773	-7.7	144	0.00	10.90-11.21
		----------	AvgRF	CCRF	% Dev		----------	
39	m	1,2-DICHLOROPROPANE	0.365	0.364	0.3	132	0.00	10.62-11.03
40	m	BROMODICHLOROMETHANE	1.335	1.316	1.4	132	0.00	10.86-11.17
41	m	2,2,4-TRIMETHYLPENTANE	1.483	1.652	-11.4	156	0.00	10.87-11.29
		----------	True	Calc.	% Drift		----------	
42	m	1,4-DIOXANE	10.000	11.876	-18.8	151	0.00	10.79-11.31
		----------	AvgRF	CCRF	% Dev		----------	
43	m	HEPTANE	0.636	0.684	-7.5	148	0.00	11.17-11.48
44	m	METHYL ISOBUTYL KETONE	1.023	1.164	-13.8	139	0.00	11.71-12.14
45	m	cis-1,3-DICHLOROPROPEN	0.629	0.734	-16.7	140	0.00	11.69-12.11
		----------	True	Calc.	% Drift		----------	
46	m	TOLUENE	10.000	10.914	-9.1	145	0.00	12.68-13.09
47	m	trans-1,3-DICHLOROPROP	10.000	8.249	17.5	120	0.00	12.26-12.57
		----------	AvgRF	CCRF	% Dev		----------	
48	m	1,1,2-TRICHLOROETHANE	0.346	0.427	-23.4	149	0.00	12.42-12.78
49	I	CHLOROBENZENE-D5	1.000	1.000	0.0	124	0.00	14.54-14.85
50	m	2-HEXANONE	1.011	1.244	-23.0	150	0.00	12.92-13.32
51	m	TETRACHLOROETHYLENE	0.728	0.776	-6.6	148	0.00	13.83-14.24
52	m	DIBROMOCHLOROMETHANE	1.541	1.654	-7.3	140	-0.01	13.14-13.50
53	m	1,2-DIBROMOETHANE	0.971	1.105	-13.8	145	0.00	13.42-13.73
54	m	CHLOROBENZENE	1.148	1.231	-7.2	143	0.00	14.59-14.90
55	m	ETHYLBENZENE	1.937	2.097	-8.3	132	0.00	14.95-15.31
		----------	True	Calc.	% Drift		----------	
56	m	m,p-XYLENE	20.000	22.573	-12.9	134	0.00	15.15-15.51
57	m	o-XYLENE	10.000	10.822	-8.2	136	0.00	15.65-16.01
58	m	STYRENE	10.000	8.997	10.0	133	0.00	15.55-15.86
		----------	AvgRF	CCRF	% Dev		----------	
59	m	NONANE	1.301	1.542	-18.5	131	0.00	15.88-16.19
		----------	True	Calc.	% Drift		----------	
60	m	BROMOFORM	10.000	11.480	-14.8	141	-0.01	15.27-15.58
		----------	AvgRF	CCRF	% Dev		----------	
61	S	4-BROMOFLUOROBENZENE	1.052	1.119	-6.4	107	0.00	16.18-16.49
62	m	1,1,2,2-TETRACHLOROETH	1.188	1.580	-33.0#	145	0.00	15.67-15.98
		----------	True	Calc.	% Drift		----------	
63	m	ISOPROPYLBENZENE	10.000	10.275	-2.8	145	0.00	16.33-16.64
64	m	2-CHLOROTOLUENE	10.000	9.833	1.7	118	0.00	16.83-17.24
65	m	4-ETHYLTOLUENE	10.000	8.898	11.0	114	0.00	17.09-17.36
66	m	1,3,5-TRIMETHYLBENZENE	10.000	9.450	5.5	141	0.00	17.18-17.44
67	m	1,2,4-TRIMETHYLBENZENE	10.000	9.369	6.3	106	0.00	17.62-17.93
68	m	m-DICHLOROBENZENE	10.000	10.051	-0.5	109	0.00	17.79-18.12
69	m	BENZYL CHLORIDE	10.000	10.015	-0.2	115	0.00	17.78-18.09
70	m	p-DICHLOROBENZENE	10.000	9.835	1.6	110	0.00	17.92-18.15
71	m	o-DICHLOROBENZENE	10.000	10.314	-3.1	151	0.00	18.26-18.57
72	m	HEXACHLOROBUTADIENE	10.000	15.354	-53.5#	227	0.00	20.61-21.02
73	m	1,2,4-TRICHLOROBENZENE	10.000	16.714	-67.1#	200	0.00	20.12-20.53

Initial Calibration Verification

Job Number: M65137 **Sample:** MSQ197-ICV197
Account: GEI GEI Consultants, Inc. **Lab FileID:** Q3631.D
Project: Indoor & Outdoor Air Samples Tufts St., Somerville MA

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            ----------------------- 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
    Q3625.D    Q060507T.m       Wed Jun 06 15:10:33 2007   RPT1
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Continuing Calibration Summary

Job Number: M65137 **Sample:** MSQ198-CC197
Account: GEI GEI Consultants, Inc. **Lab FileID:** Q3632.D
Project: Indoor & Outdoor Air Samples Tufts St., Somerville MA

Evaluate Continuing Calibration Report

Data File : C:\msdchem\1\DATA\Q3632.D Vial: 4
Acq On : 6 Jun 2007 3:26 pm Operator: PhilipB
Sample : CC197-10 (M179) Inst : MAMSQ
Misc : MS13699, MSQ198,,,,,1 Multiplr: 1.00
MS Integration Params: LSCINT.P

Method : C:\msdchem\1\METHODS\Q060507T.m (RTE Integrator)
Title : TO15 by GCMS w/DB-1 60 m X .25 mm ID 1.0 um
Last Update : Wed Jun 06 14:52:22 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	132	0.00	8.23- 8.64
2	m	DICHLORODIFLUOROMETHAN	12.168	10.680	12.2	92	0.00	3.41- 3.82
3	m	PROPYLENE	1.233	1.347	-9.2	145	0.00	3.33- 3.74
4	m	FREON 114	9.534	8.504	10.8	99	0.00	3.67- 4.08
5	m	CHLOROMETHANE	1.664	1.632	1.9	113	0.00	3.57- 3.98
6	m	VINYL CHLORIDE	1.880	1.702	9.5	98	0.00	3.80- 4.21
7	m	1,3-BUTADIENE	2.172	1.918	11.7	110	0.00	3.93- 4.34
8	m	BROMOMETHANE	2.549	2.003	21.4	84	0.00	4.21- 4.63
9	m	CHLOROETHANE	0.836	0.744	11.0	100	0.00	4.39- 4.80
10	m	TRICHLOROFLUOROMETHANE	15.186	13.483	11.2	108	0.00	5.20- 5.61
11	m	ISOPROPYL ALCOHOL	4.375	4.031	7.9	120	0.00	5.22- 5.70
12	m	ACETONE	5.269	4.300	18.4	111	0.00	4.99- 5.41
13	m	PENTANE	2.420	2.294	5.2	126	0.00	5.63- 5.94
14	m	1,1-DICHLOROETHYLENE	2.886	2.783	3.6	123	-0.01	5.87- 6.29
15	m	CARBON DISULFIDE	7.652	7.649	0.0	138	0.00	6.33- 6.74
16	m	ETHANOL	0.605	0.470	22.3	99	-0.01	4.46- 4.92
17	m	BROMOETHENE	2.754	2.268	17.6	86	0.00	4.75- 5.17
		----------	True	Calc.	% Drift	----------		
18	m	METHYLENE CHLORIDE	10.000	7.938	20.6	123	0.00	6.06- 6.36
		----------	AvgRF	CCRF	% Dev	----------		
19	m	3-CHLOROPROPENE	3.636	3.444	5.3	143	0.00	6.13- 6.54
20	m	FREON 113	9.189	8.602	6.4	132	0.00	6.28- 6.69
21	m	TRANS-1,2-DICHLOROETHY	3.013	3.178	-5.5	145	0.00	6.99- 7.40
22	m	TERTIARY BUTYL ALCOHOL	5.810	5.636	3.0	133	-0.01	5.84- 6.36
23	m	METHYL TERTIARY BUTYL	7.264	7.646	-5.3	143	0.00	7.25- 7.66
24	m	TETRAHYDROFURAN	1.564	1.671	-6.8	144	0.00	8.82- 9.11
25	m	HEXANE	1.854	1.825	1.6	144	0.00	8.26- 8.67
26	m	VINYL ACETATE	6.384	6.856	-7.4	149	0.00	7.37- 7.72
27	m	1,1-DICHLOROETHANE	5.062	5.608	-10.8	150	0.00	7.20- 7.61
28	m	METHYL ETHYL KETONE	3.763	3.881	-3.1	151	0.00	7.56- 8.05
29	m	cis-1,2-DICHLOROETHYLE	1.313	1.382	-5.3	141	0.00	8.06- 8.47
30	m	ETHYL ACETATE	6.098	6.016	1.3	145	0.00	8.26- 8.69
31	m	CHLOROFORM	5.197	5.102	1.8	146	0.00	8.36- 8.77
32	m	1,1,1-TRICHLOROETHANE	6.164	6.365	-3.3	144	0.00	9.35- 9.76
33	m	CARBON TETRACHLORIDE	7.784	7.530	3.3	139	0.00	9.96-10.37
34	m	1,2-DICHLOROETHANE	4.300	4.420	-2.8	145	0.00	9.10- 9.51
35	I	1,4-DIFLUOROBENZENE	1.000	1.000	0.0	125	0.00	10.15-10.56
36	m	BENZENE	0.889	0.881	0.9	129	0.00	9.81-10.22
37	m	CYCLOHEXANE	0.294	0.316	-7.5	135	0.00	10.08-10.50

Continuing Calibration Summary

Job Number: M65137 **Sample:** MSQ198-CC197
Account: GEI GEI Consultants, Inc. **Lab FileID:** Q3632.D
Project: Indoor & Outdoor Air Samples Tufts St., Somerville MA

		----------	True	Calc.	% Drift		----------	
38	m	TRICHLOROETHYLENE	10.000	10.405	-4.0	140	0.00	10.90-11.21
		----------	AvgRF	CCRF	% Dev		----------	
39	m	1,2-DICHLOROPROPANE	0.365	0.348	4.7	128	0.00	10.62-11.03
40	m	BROMODICHLOROMETHANE	1.335	1.306	2.2	133	0.00	10.86-11.17
41	m	2,2,4-TRIMETHYLPENTANE	1.483	1.544	-4.1	148	0.00	10.87-11.29
		----------	True	Calc.	% Drift		----------	
42	m	1,4-DIOXANE	10.000	11.189	-11.9	142	0.00	10.78-11.31
		----------	AvgRF	CCRF	% Dev		----------	
43	m	HEPTANE	0.636	0.636	0.0	139	0.00	11.17-11.48
44	m	METHYL ISOBUTYL KETONE	1.023	1.077	-5.3	130	0.00	11.70-12.13
45	m	cis-1,3-DICHLOROPROPEN	0.629	0.689	-9.5	133	0.00	11.70-12.11
		----------	True	Calc.	% Drift		----------	
46	m	TOLUENE	10.000	10.197	-2.0	136	0.00	12.68-13.09
47	m	trans-1,3-DICHLOROPROP	10.000	7.948	20.5	117	0.00	12.26-12.57
		----------	AvgRF	CCRF	% Dev		----------	
48	m	1,1,2-TRICHLOROETHANE	0.346	0.402	-16.2	142	0.00	12.42-12.78
49	I	CHLOROBENZENE-D5	1.000	1.000	0.0	126	0.00	14.54-14.85
50	m	2-HEXANONE	1.011	1.123	-11.1	138	0.00	12.91-13.32
51	m	TETRACHLOROETHYLENE	0.728	0.798	-9.6	154	0.00	13.83-14.24
52	m	DIBROMOCHLOROMETHANE	1.541	1.658	-7.6	143	0.00	13.14-13.50
53	m	1,2-DIBROMOETHANE	0.971	1.105	-13.8	148	0.00	13.42-13.73
54	m	CHLOROBENZENE	1.148	1.167	-1.7	138	0.00	14.59-14.90
55	m	ETHYLBENZENE	1.937	1.965	-1.4	126	0.00	14.95-15.31
		----------	True	Calc.	% Drift		----------	
56	m	m,p-XYLENE	20.000	21.935	-9.7	132	0.00	15.14-15.50
57	m	o-XYLENE	10.000	10.061	-0.6	127	0.00	15.65-16.01
58	m	STYRENE	10.000	8.353	16.5	123	0.00	15.55-15.86
		----------	AvgRF	CCRF	% Dev		----------	
59	m	NONANE	1.301	1.407	-8.1	122	0.00	15.88-16.19
		----------	True	Calc.	% Drift		----------	
60	m	BROMOFORM	10.000	10.997	-10.0	136	0.00	15.27-15.58
		----------	AvgRF	CCRF	% Dev		----------	
61	S	4-BROMOFLUOROBENZENE	1.052	1.133	-7.7	110	0.00	16.18-16.49
62	m	1,1,2,2-TETRACHLOROETH	1.188	1.444	-21.5	135	0.00	15.66-15.97
		----------	True	Calc.	% Drift		----------	
63	m	ISOPROPYLBENZENE	10.000	9.819	1.8	140	0.00	16.33-16.64
64	m	2-CHLOROTOLUENE	10.000	9.363	6.4	114	0.00	16.83-17.24
65	m	4-ETHYLTOLUENE	10.000	8.510	14.9	110	0.00	17.09-17.36
66	m	1,3,5-TRIMETHYLBENZENE	10.000	9.179	8.2	138	0.00	17.18-17.44
67	m	1,2,4-TRIMETHYLBENZENE	10.000	9.140	8.6	105	0.00	17.62-17.93
68	m	m-DICHLOROBENZENE	10.000	9.984	0.2	110	0.00	17.79-18.12
69	m	BENZYL CHLORIDE	10.000	9.799	2.0	114	0.00	17.78-18.09
70	m	p-DICHLOROBENZENE	10.000	9.834	1.7	112	0.00	17.91-18.15
71	m	o-DICHLOROBENZENE	10.000	8.480	15.2	122	0.00	18.26-18.57
72	m	HEXACHLOROBUTADIENE	10.000	15.632	-56.3#	237	0.00	20.61-21.02
73	m	1,2,4-TRICHLOROBENZENE	10.000	13.725	-37.2#	157	0.00	20.12-20.53

Continuing Calibration Summary

Job Number: M65137 **Sample:** MSQ198-CC197
Account: GEI GEI Consultants, Inc. **Lab FileID:** Q3632.D
Project: Indoor & Outdoor Air Samples Tufts St., Somerville MA

```
            ----------------------- 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
    Q3625.D    Q060507T.m       Wed Jun 06 16:17:34 2007   RPT1
```

GC/MS Volatiles

Raw Data

Manual Integrations
APPROVED
(compounds with "m" flag)
Doug Yargeau
06/08/07 15:47

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\
Data File : Q3640.D
Acq On : 6 Jun 2007 9:06 pm
Operator : PhilipB
Sample : M65137-1
Misc : MS13699, MSQ198,,,,,10
ALS Vial : 10 Sample Multiplier: 1

Quant Time: Jun 07 09:32:27 2007
Quant Method : C:\msdchem\1\METHODS\Q060507T.m
Quant Title : TO15 by GCMS w/DB-1 60 m X .25 mm ID 1.0 um
QLast Update : Wed Jun 06 14:52:22 2007
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) BROMOCHLOROMETHANE	8.433	128	40553m	10.00	PPBV	0.00
35) 1,4-DIFLUOROBENZENE	10.362	114	167759	10.00	PPBV	0.00
49) CHLOROBENZENE-D5	14.698	117	141807	10.00	PPBV	0.00

System Monitoring Compounds

61) 4-BROMOFLUOROBENZENE	16.334	95	59299	3.98	PPBV	0.00

Spiked Amount 5.000 Range 57 - 139 Recovery = 79.60%

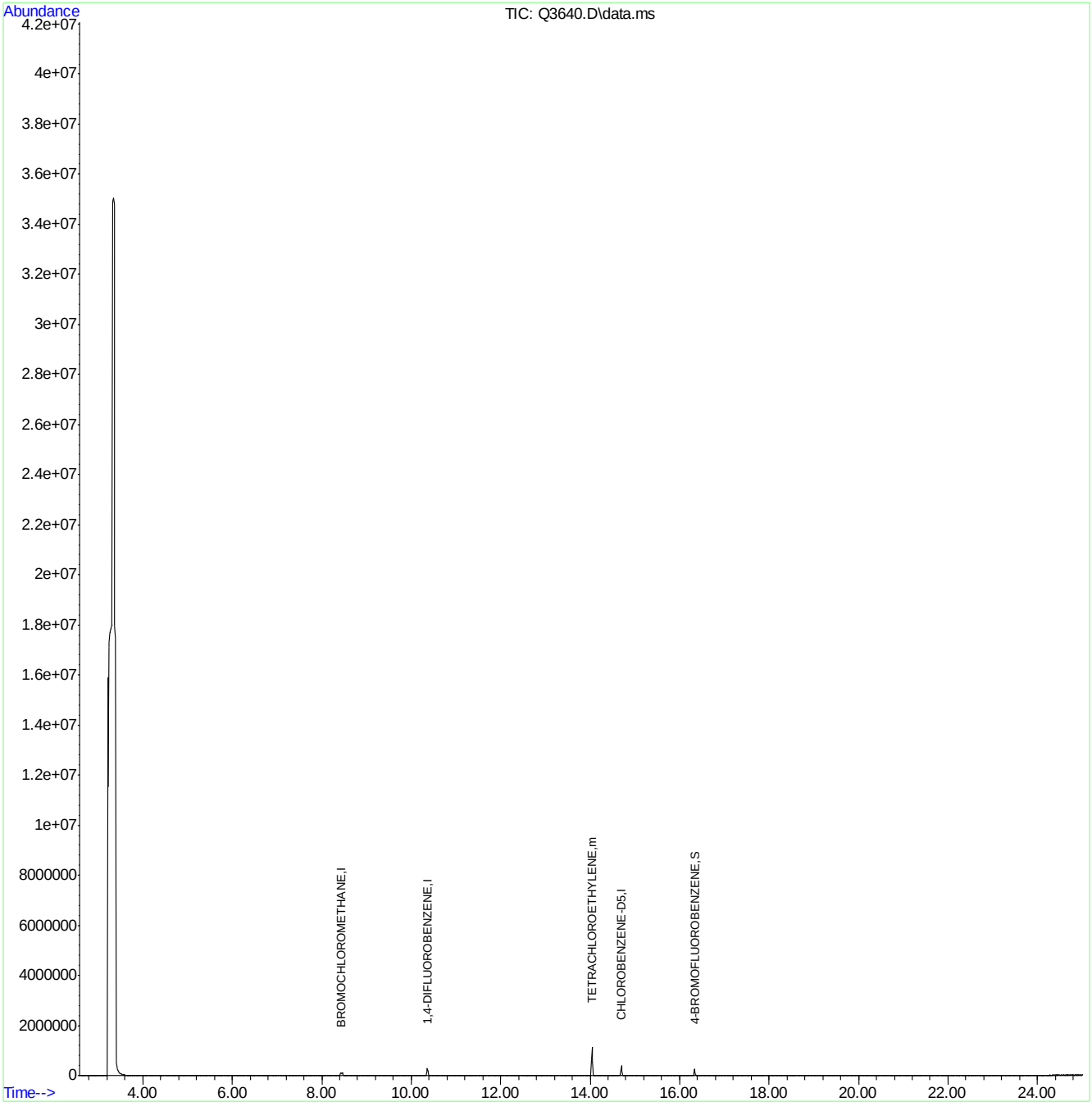
Target Compounds						Qvalue
51) TETRACHLOROETHYLENE	14.041	164	154139	14.94	PPBV	98

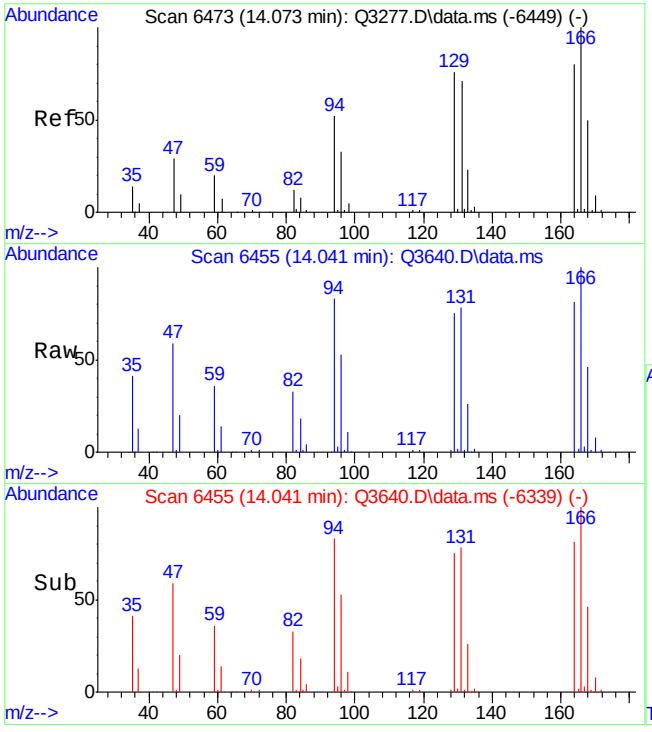
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\
Data File : Q3640.D
Acq On : 6 Jun 2007 9:06 pm
Operator : PhilipB
Sample : M65137-1
Misc : MS13699, MSQ198,,,,,10
ALS Vial : 10 Sample Multiplier: 1

Quant Time: Jun 07 09:32:27 2007
Quant Method : C:\msdchem\1\METHODS\Q060507T.m
Quant Title : TO15 by GCMS w/DB-1 60 m X .25 mm ID 1.0 um
QLast Update : Wed Jun 06 14:52:22 2007
Response via : Initial Calibration

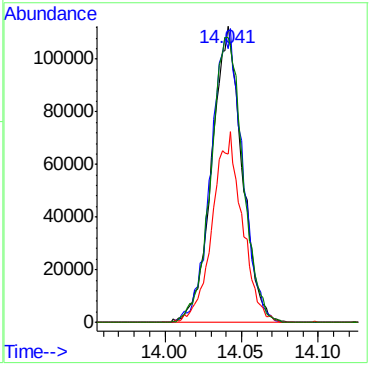




#51
TETRACHLOROETHYLENE
Concen: 14.94 PPBV
RT: 14.041 min Scan# 6455
Delta R.T. -0.000 min
Lab File: Q3640.D
Acq: 6 Jun 2007 9:06 pm

Tgt Ion:164 Resp: 154139

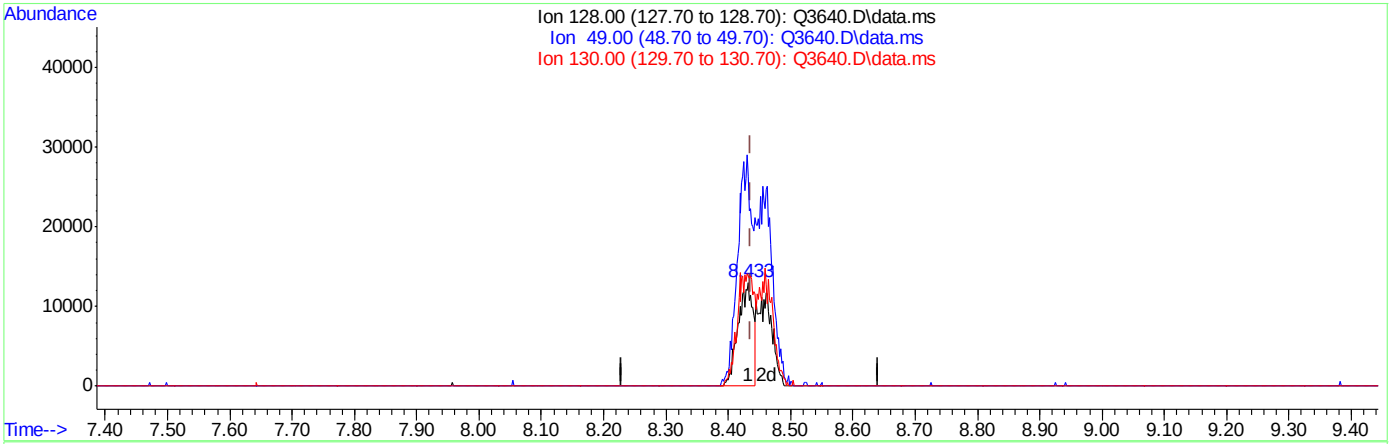
Ion	Ratio	Lower	Upper
164	100		
129	102.1	79.0	119.0
168	62.9	40.2	80.2
131	101.4	82.5	122.5

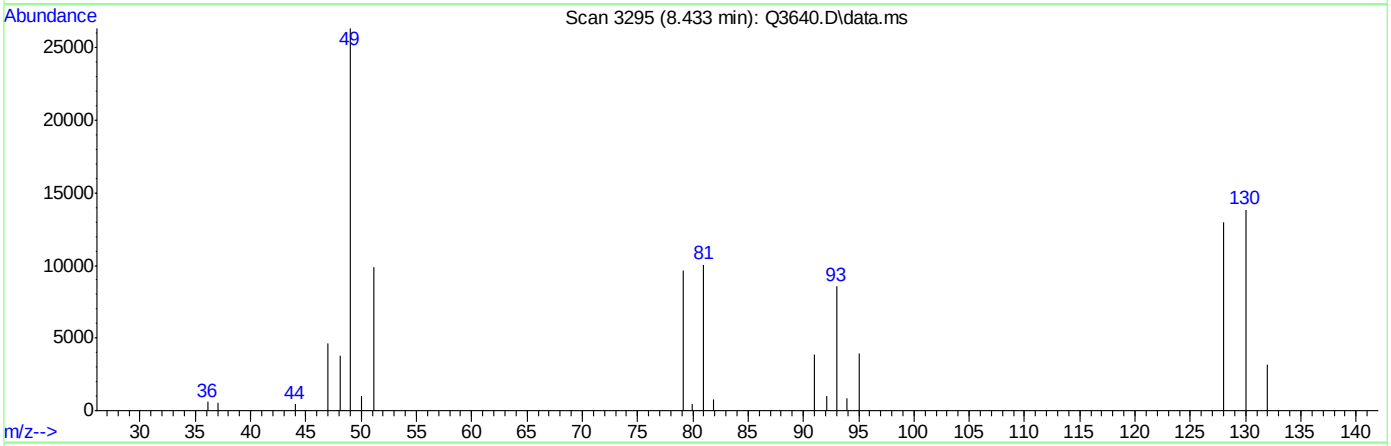


Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\
Data File : Q3640.D
Acq On : 6 Jun 2007 9:06 pm
Operator : PhilipB
Sample : M65137-1
Misc : MS13699, MSQ198,,,,,10
ALS Vial : 10 Sample Multiplier: 1

Quant Time: Jun 07 09:31:13 2007
Quant Method : C:\msdchem\1\METHODS\Q060507T.m
Quant Title : TO15 by GCMS w/DB-1 60 m X .25 mm ID 1.0 um
QLast Update : Wed Jun 06 14:52:22 2007
Response via : Initial Calibration





TIC: Q3640.D\data.ms

(1) BROMOCHLOROMETHANE (I)

8.433min (-0.004) 10.00PPBV

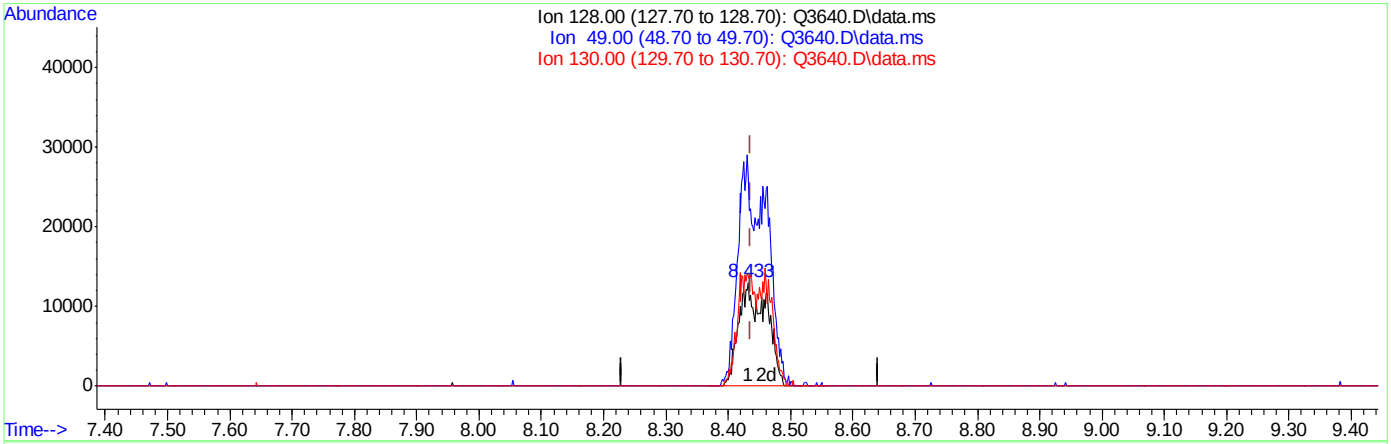
response 22045

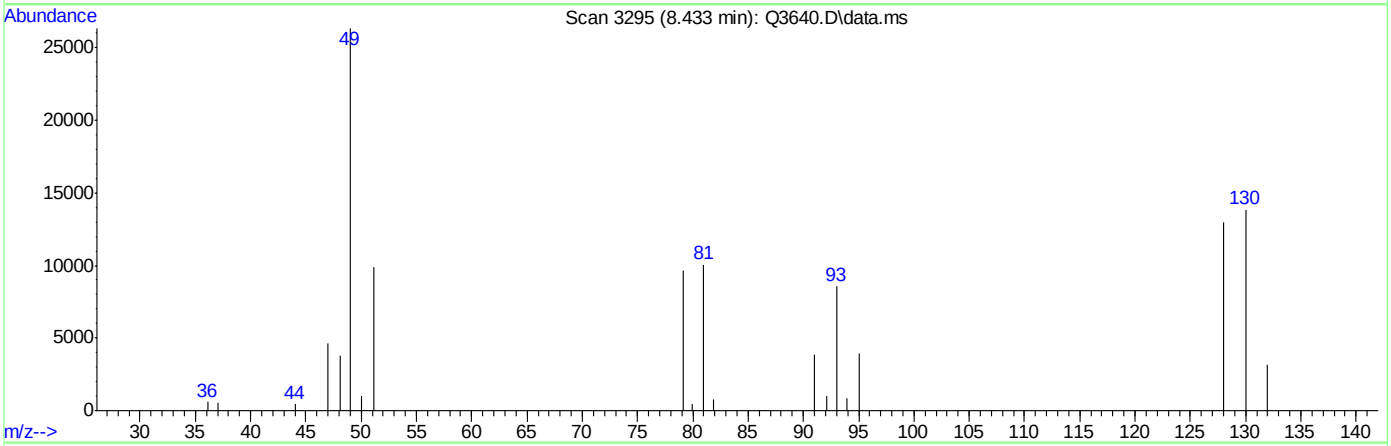
Ion	Exp%	Act%
128.00	100	100
49.00	224.40	265.61#
130.00	123.60	58.19#
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\
Data File : Q3640.D
Acq On : 6 Jun 2007 9:06 pm
Operator : PhilipB
Sample : M65137-1
Misc : MS13699, MSQ198,,,,,10
ALS Vial : 10 Sample Multiplier: 1

Quant Time: Jun 07 09:31:13 2007
Quant Method : C:\msdchem\1\METHODS\Q060507T.m
Quant Title : TO15 by GCMS w/DB-1 60 m X .25 mm ID 1.0 um
QLast Update : Wed Jun 06 14:52:22 2007
Response via : Initial Calibration





TIC: Q3640.D\data.ms

(1) BROMOCHLOROMETHANE (I)

8.433min (-0.004) 10.00PPBV m

response 40553

Ion	Exp%	Act%
128.00	100	100
49.00	224.40	144.39#
130.00	123.60	31.64#
0.00	0.00	0.00

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\
Data File : Q3633.D
Acq On : 6 Jun 2007 4:10 pm
Operator : PhilipB
Sample : MB (M026)
Misc : MS13699, MSQ198,,,,,1
ALS Vial : 5 Sample Multiplier: 1

Quant Time: Jun 06 16:48:50 2007
Quant Method : C:\msdchem\1\METHODS\Q060507T.m
Quant Title : TO15 by GCMS w/DB-1 60 m X .25 mm ID 1.0 um
QLast Update : Wed Jun 06 14:52:22 2007
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) BROMOCHLOROMETHANE	8.429	128	47631	10.00	PPBV	0.00
35) 1,4-DIFLUOROBENZENE	10.346	114	197069	10.00	PPBV	0.00
49) CHLOROBENZENE-D5	14.694	117	166081	10.00	PPBV	0.00

System Monitoring Compounds

61) 4-BROMOFLUOROBENZENE	16.334	95	73899	4.23	PPBV	0.00

Spiked Amount 5.000 Range 57 - 139 Recovery = 84.60%

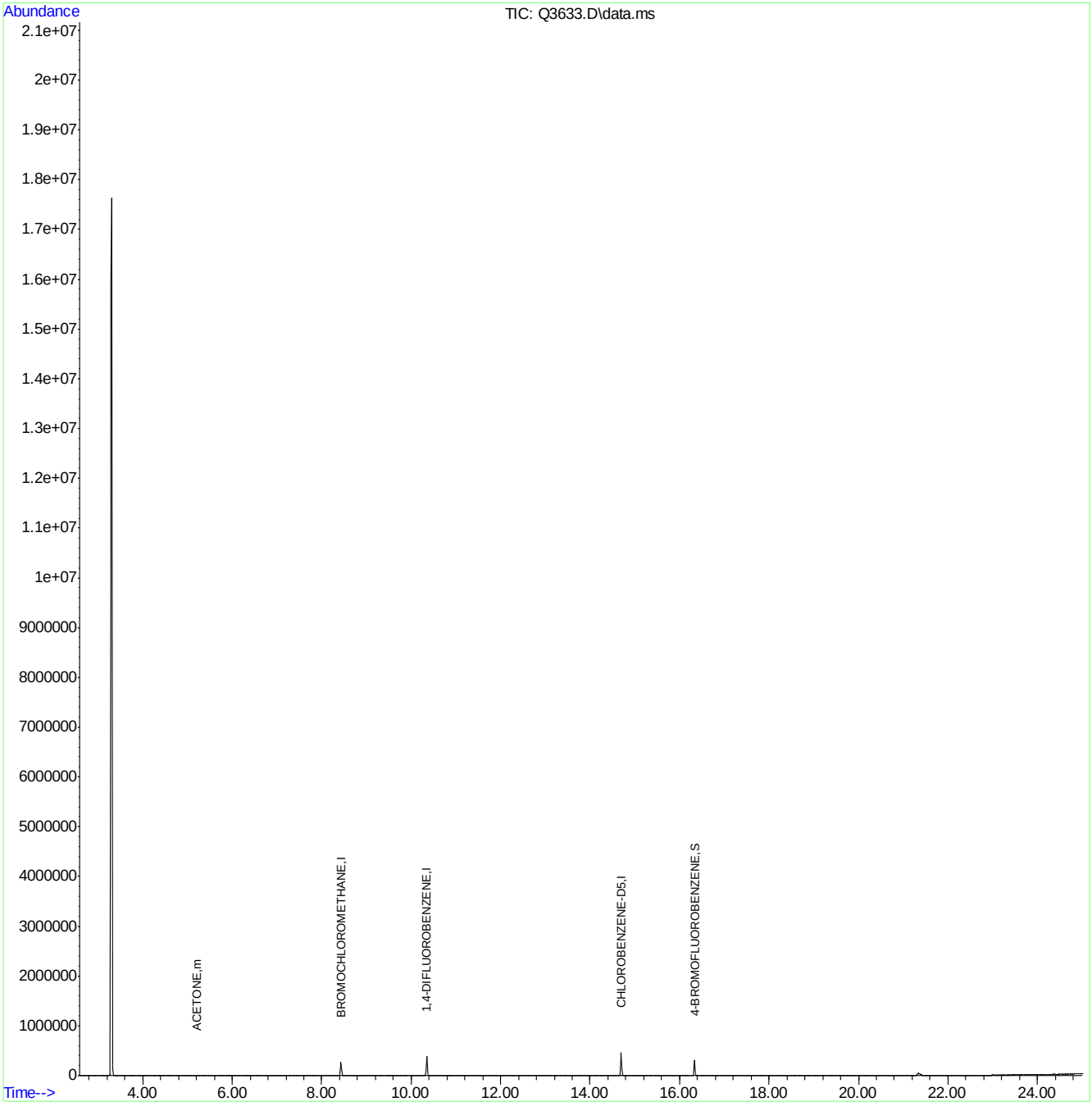
Target Compounds						Qvalue
12) ACETONE	5.221	43	6446	0.26	PPBV	94

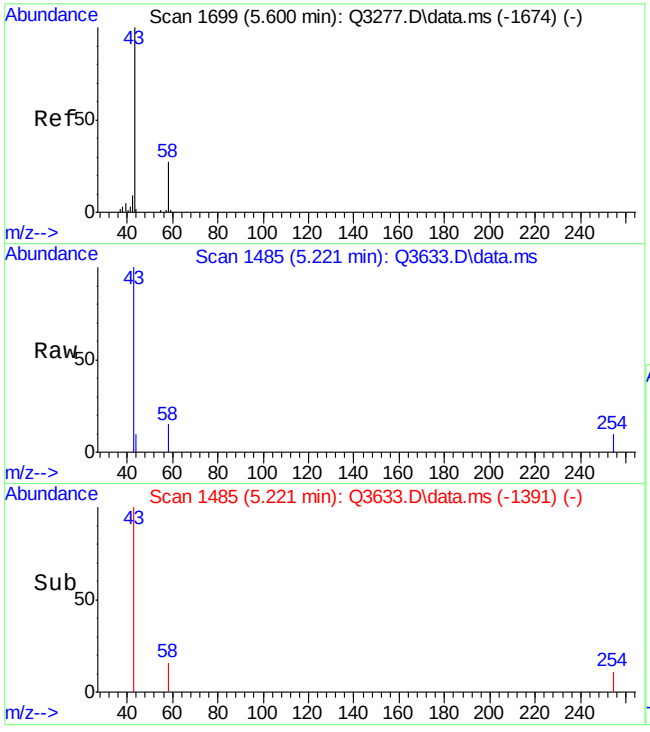
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\
Data File : Q3633.D
Acq On : 6 Jun 2007 4:10 pm
Operator : PhilipB
Sample : MB (M026)
Misc : MS13699, MSQ198,,,,,1
ALS Vial : 5 Sample Multiplier: 1

Quant Time: Jun 06 16:48:50 2007
Quant Method : C:\msdchem\1\METHODS\Q060507T.m
Quant Title : TO15 by GCMS w/DB-1 60 m X .25 mm ID 1.0 um
QLast Update : Wed Jun 06 14:52:22 2007
Response via : Initial Calibration

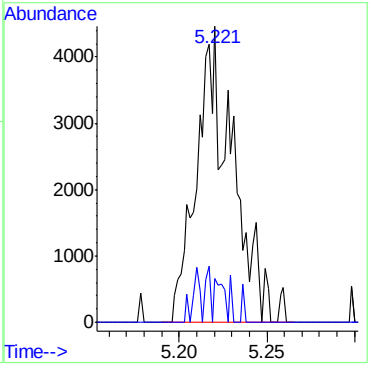




#12
ACETONE
Concen: 0.26 PPBV
RT: 5.221 min Scan# 1485
Delta R.T. 0.012 min
Lab File: Q3633.D
Acq: 6 Jun 2007 4:10 pm

Tgt Ion: 43 Resp: 6446

Ion	Ratio	Lower	Upper
43	100		
58	6.0	0.0	20.3



6.2.1

6

Manual Integrations APPROVED (compounds with "m" flag)
Doug Yargeau
06/08/07 15:47

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\
Data File : Q3632A.D
Acq On : 6 Jun 2007 3:26 pm
Operator : PhilipB
Sample : BS (M179)
Misc : MS13699, MSQ198,,,,,1
ALS Vial : 4 Sample Multiplier: 1

Quant Time: Jun 06 16:18:02 2007
Quant Method : C:\msdchem\1\METHODS\Q060507T.m
Quant Title : TO15 by GCMS w/DB-1 60 m X .25 mm ID 1.0 um
QLast Update : Wed Jun 06 14:52:22 2007
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) BROMOCHLOROMETHANE	8.436	128	62280	10.00	PPBV	0.00
35) 1,4-DIFLUOROBENZENE	10.351	114	248885	10.00	PPBV	0.00
49) CHLOROBENZENE-D5	14.696	117	227029	10.00	PPBV	0.00

System Monitoring Compounds

61) 4-BROMOFLUOROBENZENE	16.334	95	128557	5.38	PPBV	0.00

Spiked Amount 5.000 Range 57 - 139 Recovery = 107.60%

Target Compounds						Qvalue
2) DICHLORODIFLUOROMETHANE	3.613	85	665137	8.78	PPBV	84
3) PROPYLENE	3.538	41	83921	10.93	PPBV	92
4) FREON 114	3.875	85	529647	8.92	PPBV #	100
5) CHLOROMETHANE	3.776	50	101621	9.81	PPBV	95
6) VINYL CHLORIDE	4.001	62	106014	9.05	PPBV	74
7) 1,3-BUTADIENE	4.138	39	119482	8.83	PPBV #	100
8) BROMOMETHANE	4.420	94	124777	7.86	PPBV #	100
9) CHLOROETHANE	4.594	64	46344	8.90	PPBV #	100
10) TRICHLOROFLUOROMETHANE	5.407	101	839719	8.88	PPBV #	100
11) ISOPROPYL ALCOHOL	5.460	45	251071	9.22	PPBV	95
12) ACETONE	5.201	43	267826	8.16	PPBV	82
13) PENTANE	5.785	42	142848	9.48	PPBV #	100
14) 1,1-DICHLOROETHYLENE	6.079	96	173309	9.64	PPBV #	19
15) CARBON DISULFIDE	6.537	76	476390	10.00	PPBV #	60
16) ETHANOL	4.688	45	29291	7.78	PPBV	100
17) BROMOETHENE	4.960	106	141236	8.23	PPBV #	100
18) METHYLENE CHLORIDE	6.205	84	144759	7.94	PPBV #	1
19) 3-CHLOROPROPENE	6.333	39	214469	9.47	PPBV #	1
20) FREON 113	6.484	151	535756	9.36	PPBV #	100
21) TRANS-1,2-DICHLOROETHY...	7.194	96	197907	10.55	PPBV #	100
22) TERTIARY BUTYL ALCOHOL	6.103	59	350988	9.70	PPBV #	100
23) METHYL TERTIARY BUTYL ...	7.455	73	476191	10.53	PPBV #	100
24) TETRAHYDROFURAN	8.963	42	104077	10.69	PPBV #	100
25) HEXANE	8.468	57	113676	9.84	PPBV #	100
26) VINYL ACETATE	7.544	43	426974	10.74	PPBV	87
27) 1,1-DICHLOROETHANE	7.405	63	349266	11.08	PPBV #	100
28) METHYL ETHYL KETONE	7.805	43	241695	10.31	PPBV	92
29) cis-1,2-DICHLOROETHYLENE	8.262	96	86047	10.52	PPBV #	100
30) ETHYL ACETATE	8.474	43	374676	9.87	PPBV	100
31) CHLOROFORM	8.564	83	317724	9.82	PPBV #	100
32) 1,1,1-TRICHLOROETHANE	9.558	97	396423	10.33	PPBV	94
33) CARBON TETRACHLORIDE	10.165	117	468970	9.67	PPBV	96
34) 1,2-DICHLOROETHANE	9.302	62	275266	10.28	PPBV	98
36) BENZENE	10.018	78	219350	9.92	PPBV	95
37) CYCLOHEXANE	10.289	84	78550	10.73	PPBV #	79
38) TRICHLOROETHYLENE	11.058	95	161768	10.41	PPBV	90
39) 1,2-DICHLOROPROPANE	10.827	63	86717	9.55	PPBV	99
40) BROMODICHLOROMETHANE	11.015	83	325049	9.79	PPBV	100
41) 2,2,4-TRIMETHYLPENTANE	11.079	57	384320	10.41	PPBV	96
42) 1,4-DIOXANE	11.045	88	47150	11.19	PPBV #	70
43) HEPTANE	11.329	43	158169	10.00	PPBV	84

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\
Data File : Q3632A.D
Acq On : 6 Jun 2007 3:26 pm
Operator : PhilipB
Sample : BS (M179)
Misc : MS13699, MSQ198,,,,,1
ALS Vial : 4 Sample Multiplier: 1

Quant Time: Jun 06 16:18:02 2007
Quant Method : C:\msdchem\1\METHODS\Q060507T.m
Quant Title : TO15 by GCMS w/DB-1 60 m X .25 mm ID 1.0 um
QLast Update : Wed Jun 06 14:52:22 2007
Response via : Initial Calibration

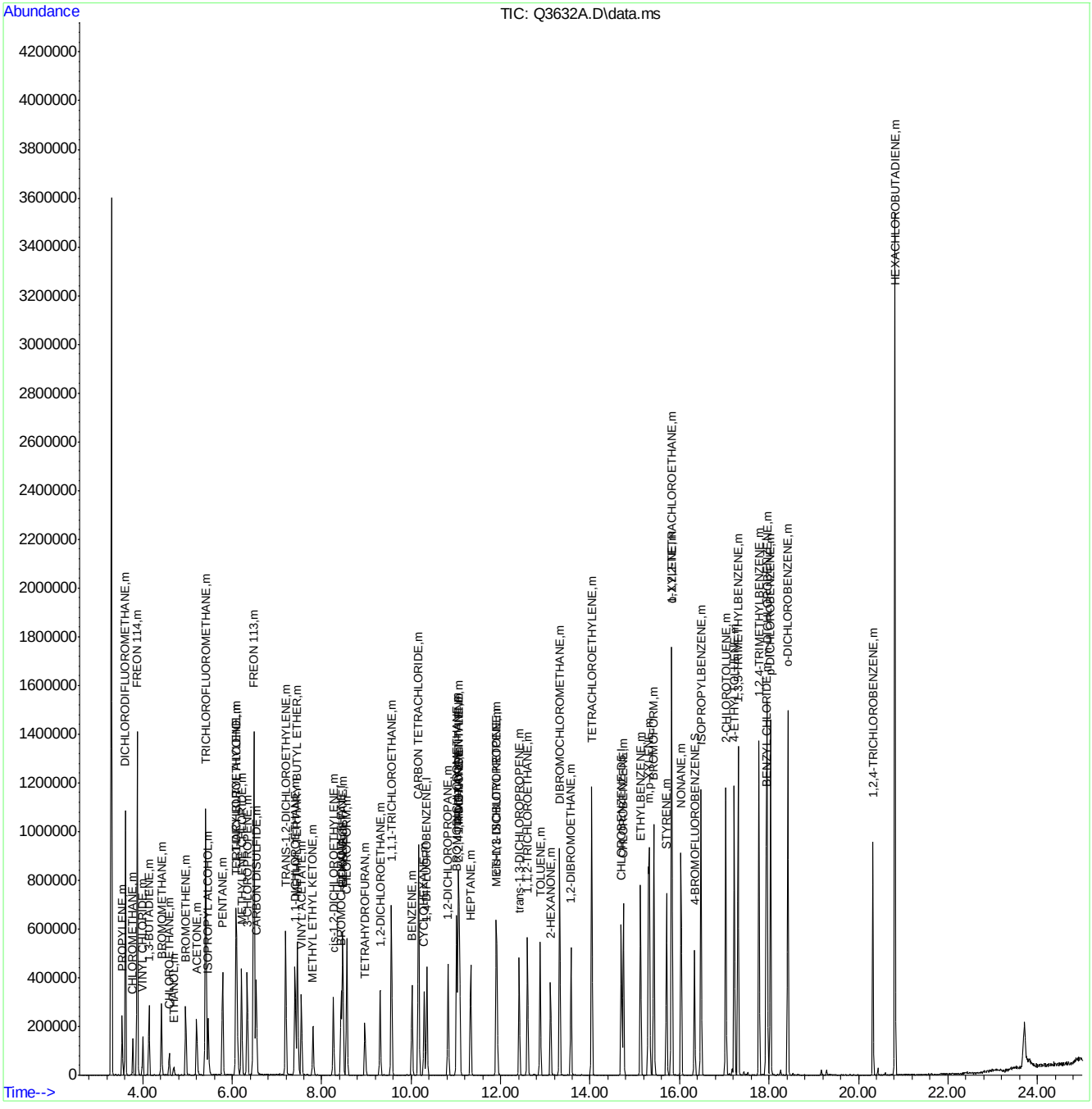
Internal Standards	R.T.	QIon	Response	Conc Units	Dev(Min)
44) METHYL ISOBUTYL KETONE	11.918	43	267993	10.52 PPBV	89
45) cis-1,3-DICHLOROPROPENE	11.902	75	171438	10.95 PPBV #	72
46) TOLUENE	12.882	92	171140	10.20 PPBV	96
47) trans-1,3-DICHLOROPROPENE	12.415	75	174579	7.95 PPBV #	99
48) 1,1,2-TRICHLOROETHANE	12.602	83	99980	11.62 PPBV	93
50) 2-HEXANONE	13.115	43	254950	11.11 PPBV	89
51) TETRACHLOROETHYLENE	14.036	164	181183	10.97 PPBV	97
52) DIBROMOCHLOROMETHANE	13.319	129	376399	10.76 PPBV	99
53) 1,2-DIBROMOETHANE	13.573	107	250848	11.37 PPBV	98
54) CHLOROBENZENE	14.742	112	265030	10.17 PPBV	92
55) ETHYLBENZENE	15.129	91	446201	10.14 PPBV	95
56) m,p-XYLENE	15.324	106	347752m	21.94 PPBV	
57) o-XYLENE	15.827	106	194706	10.06 PPBV #	85
58) STYRENE	15.706	104	253987	8.35 PPBV	94
59) NONANE	16.032	43	319444	10.81 PPBV	90
60) BROMOFORM	15.425	173	385817	11.00 PPBV	97
62) 1,1,2,2-TETRACHLOROETHANE	15.819	83	327761	12.15 PPBV	98
63) ISOPROPYLBENZENE	16.481	105	637107	9.82 PPBV	95
64) 2-CHLOROTOLUENE	17.032	91	489204	9.36 PPBV	93
65) 4-ETHYLTOLUENE	17.223	105	586479	8.51 PPBV	95
66) 1,3,5-TRIMETHYLBENZENE	17.307	105	581750	9.18 PPBV	94
67) 1,2,4-TRIMETHYLBENZENE	17.773	105	587293	9.14 PPBV	94
68) m-DICHLOROBENZENE	17.956	146	433027	9.98 PPBV	96
69) BENZYL CHLORIDE	17.935	91	480300	9.80 PPBV	93
70) p-DICHLOROBENZENE	18.033	146	422258	9.83 PPBV	97
71) o-DICHLOROBENZENE	18.419	146	416291	8.48 PPBV	98
72) HEXACHLOROBUTADIENE	20.814	225	432486	15.63 PPBV	98
73) 1,2,4-TRICHLOROBENZENE	20.322	180	198581	13.72 PPBV	94

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

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\
Data File : Q3632A.D
Acq On : 6 Jun 2007 3:26 pm
Operator : PhilipB
Sample : BS (M179)
Misc : MS13699, MSQ198,,,,,1
ALS Vial : 4 Sample Multiplier: 1

Quant Time: Jun 06 16:18:02 2007
Quant Method : C:\msdchem\1\METHODS\Q060507T.m
Quant Title : TO15 by GCMS w/DB-1 60 m X .25 mm ID 1.0 um
QLast Update : Wed Jun 06 14:52:22 2007
Response via : Initial Calibration

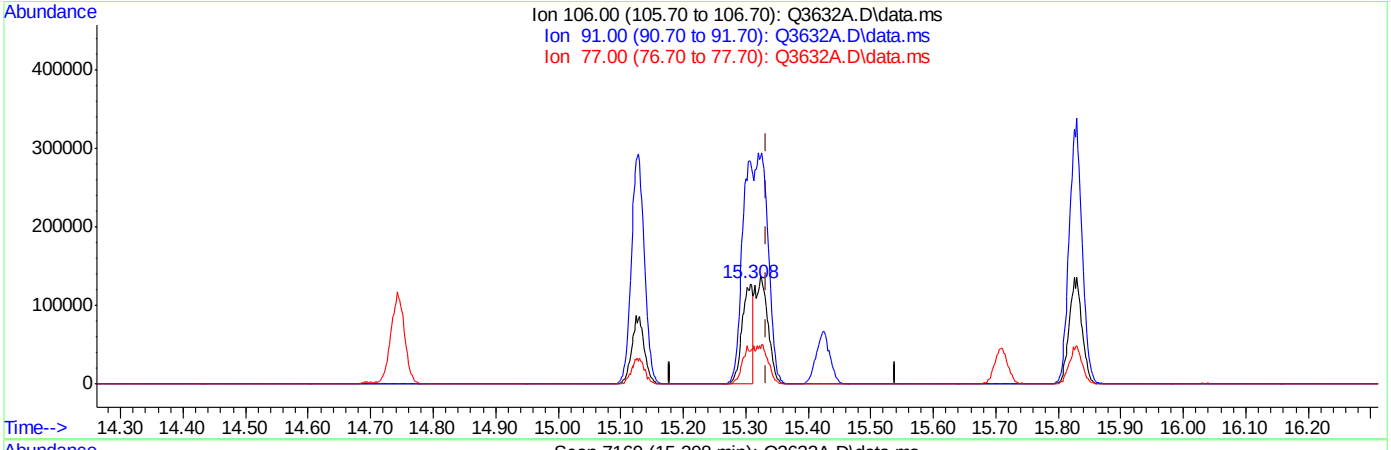


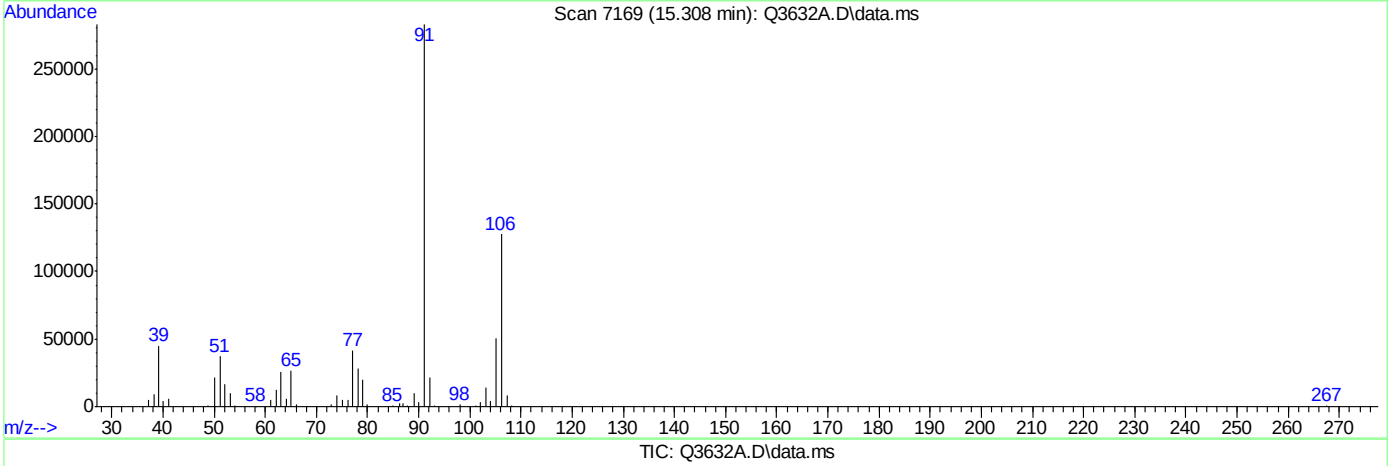
ACCUTEST Laboratories M65137

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\
Data File : Q3632A.D
Acq On : 6 Jun 2007 3:26 pm
Operator : PhilipB
Sample : BS (M179)
Misc : MS13699, MSQ198,,,,,1
ALS Vial : 4 Sample Multiplier: 1

Quant Time: Jun 06 16:17:51 2007
Quant Method : C:\msdchem\1\METHODS\Q060507T.m
Quant Title : TO15 by GCMS w/DB-1 60 m X .25 mm ID 1.0 um
QLast Update : Wed Jun 06 14:52:22 2007
Response via : Initial Calibration





TIC: Q3632A.D\data.ms

(56) m,p-XYLENE (m)

15.308min (-0.026) 10.68PPBV

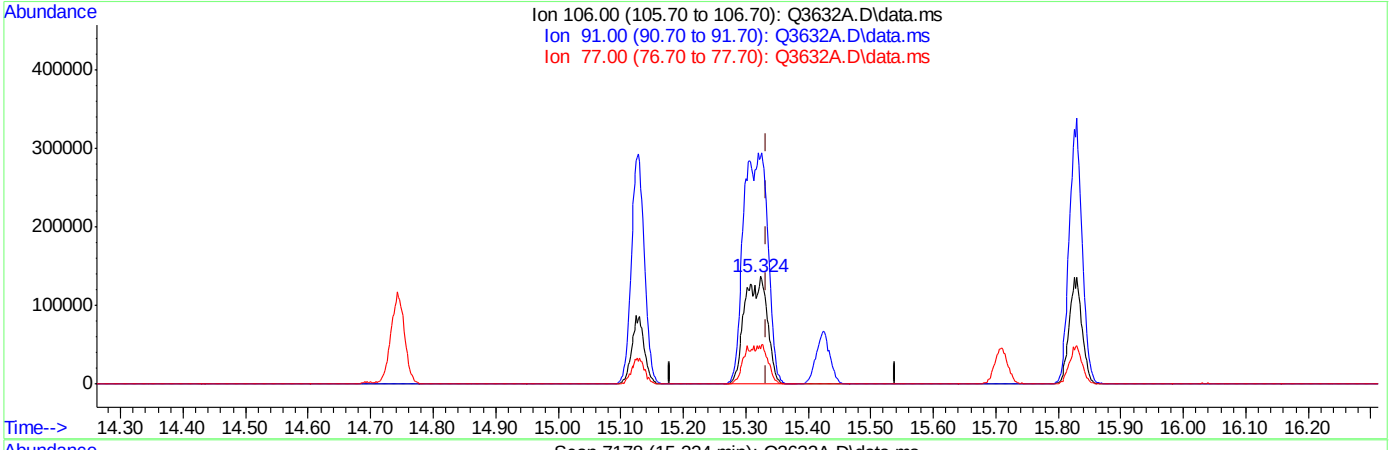
response 151935

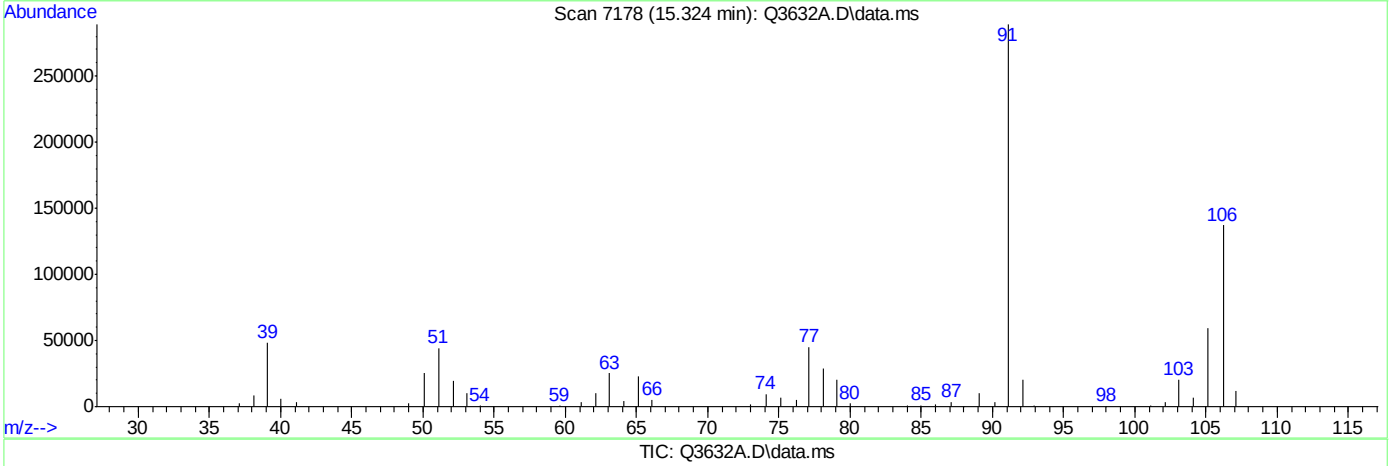
Ion	Exp%	Act%
106.00	100	100
91.00	204.20	221.64
77.00	30.60	32.46
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\
Data File : Q3632A.D
Acq On : 6 Jun 2007 3:26 pm
Operator : PhilipB
Sample : BS (M179)
Misc : MS13699, MSQ198,,,,,1
ALS Vial : 4 Sample Multiplier: 1

Quant Time: Jun 06 16:17:51 2007
Quant Method : C:\msdchem\1\METHODS\Q060507T.m
Quant Title : TO15 by GCMS w/DB-1 60 m X .25 mm ID 1.0 um
QLast Update : Wed Jun 06 14:52:22 2007
Response via : Initial Calibration





TIC: Q3632A.D\data.ms

(56) m,p-XYLENE (m)

15.324min (-0.010) 21.94PPBV m

response 347752

Ion	Exp%	Act%
106.00	100	100
91.00	204.20	211.08
77.00	30.60	32.99
0.00	0.00	0.00

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\
Data File : Q3636.D
Acq On : 6 Jun 2007 6:18 pm
Operator : PhilipB
Sample : M65072-1DUP
Misc : MS13699, MSQ198,,,,,5
ALS Vial : 6 Sample Multiplier: 1

Quant Time: Jun 07 09:26:06 2007
Quant Method : C:\msdchem\1\METHODS\Q060507T.m
Quant Title : TO15 by GCMS w/DB-1 60 m X .25 mm ID 1.0 um
QLast Update : Wed Jun 06 14:52:22 2007
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) BROMOCHLOROMETHANE	8.436	128	57923	10.00	PPBV	0.00
35) 1,4-DIFLUOROBENZENE	10.350	114	245281	10.00	PPBV	0.00
49) CHLOROBENZENE-D5	14.694	117	198649	10.00	PPBV	0.00

System Monitoring Compounds

61) 4-BROMOFLUOROBENZENE	16.334	95	88591	4.24	PPBV	0.00

Spiked Amount 5.000 Range 57 - 139 Recovery = 84.80%

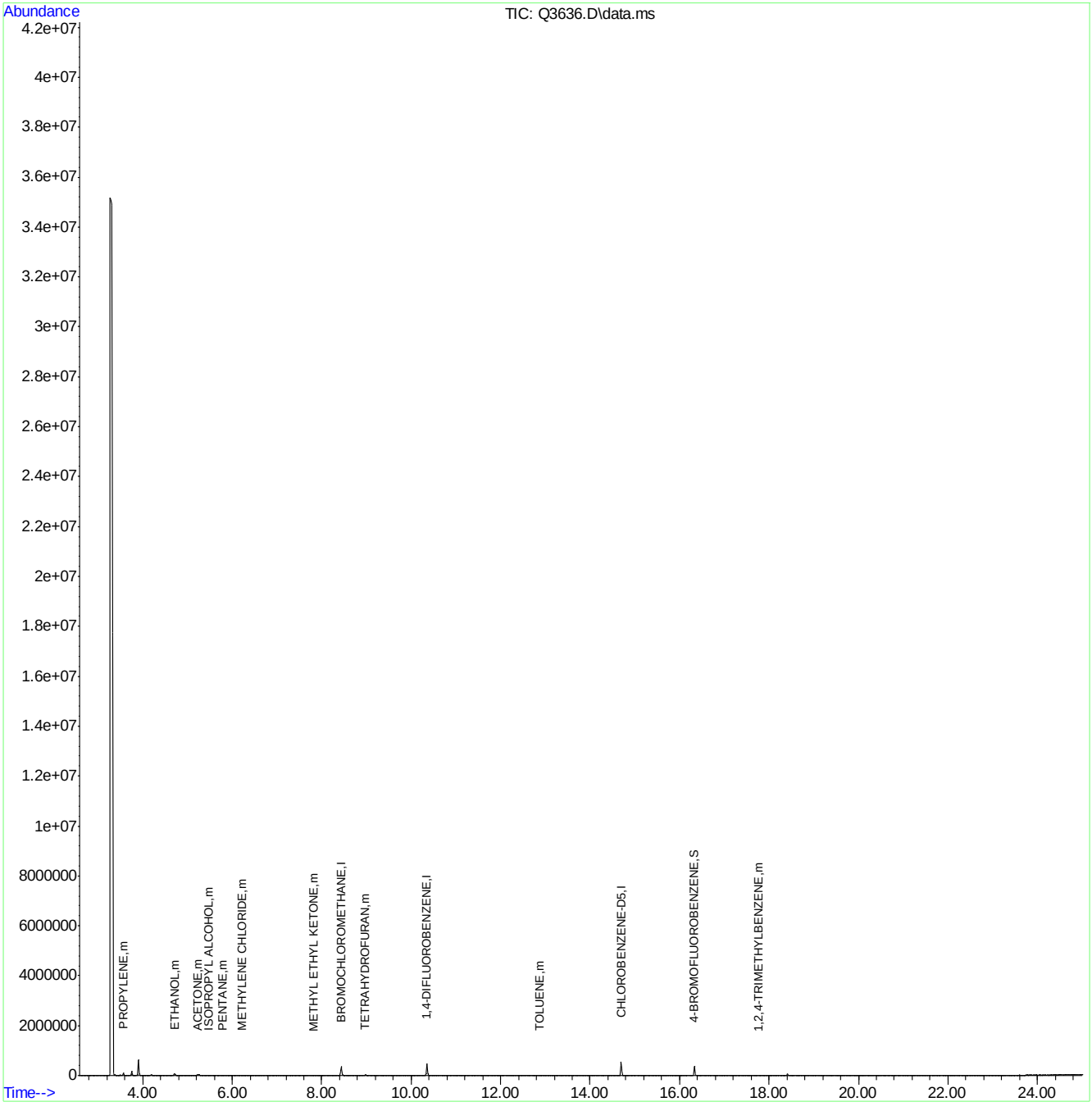
Target Compounds						Qvalue
3) PROPYLENE	3.566	41	16907	2.37	PPBV #	31
11) ISOPROPYL ALCOHOL	5.483	45	19418	0.77	PPBV	70
12) ACETONE	5.219	43	51436	1.69	PPBV	94
13) PENTANE	5.787	42	6967	0.50	PPBV #	100
16) ETHANOL	4.702	45	78526	22.43	PPBV #	100
18) METHYLENE CHLORIDE	6.213	84	2628	0.19	PPBV #	1
24) TETRAHYDROFURAN	8.969	42	24064	2.66	PPBV #	100
28) METHYL ETHYL KETONE	7.815	43	7462	0.34	PPBV	65
46) TOLUENE	12.879	92	5065	0.40	PPBV #	46
67) 1,2,4-TRIMETHYLBENZENE	17.768	105	2360	0.24	PPBV	73

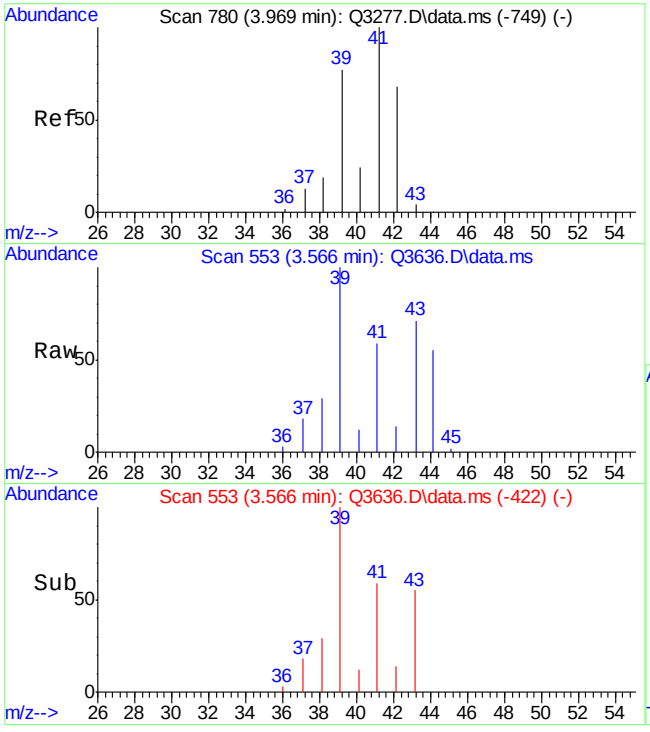
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\
Data File : Q3636.D
Acq On : 6 Jun 2007 6:18 pm
Operator : PhilipB
Sample : M65072-1DUP
Misc : MS13699, MSQ198,,,,,5
ALS Vial : 6 Sample Multiplier: 1

Quant Time: Jun 07 09:26:06 2007
Quant Method : C:\msdchem\1\METHODS\Q060507T.m
Quant Title : TO15 by GCMS w/DB-1 60 m X .25 mm ID 1.0 um
QLast Update : Wed Jun 06 14:52:22 2007
Response via : Initial Calibration

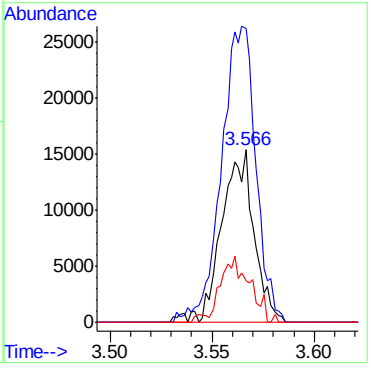


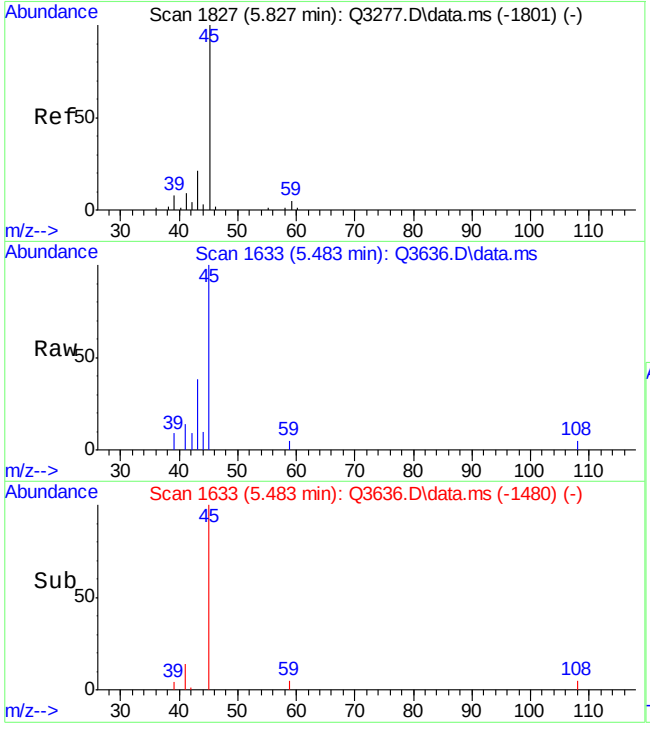


#3
PROPYLENE
Concen: 2.37 PPBV
RT: 3.566 min Scan# 553
Delta R.T. 0.027 min
Lab File: Q3636.D
Acq: 6 Jun 2007 6:18 pm

Tgt Ion: 41 Resp: 16907

Ion	Ratio	Lower	Upper
41	100		
39	170.6	70.3	110.3#
42	24.2	36.7	76.7#

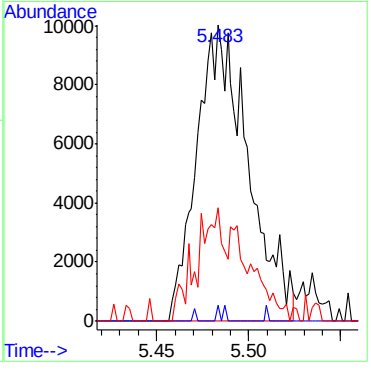


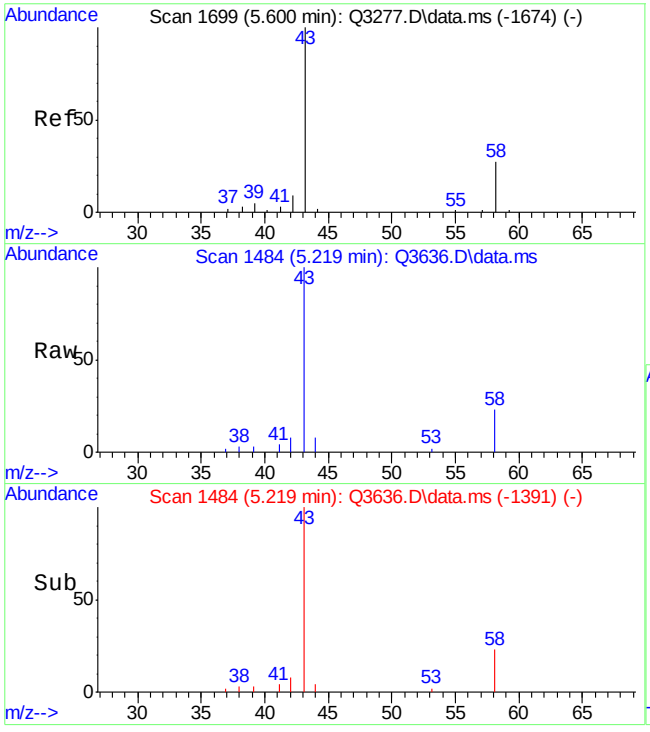


#11
ISOPROPYL ALCOHOL
Concen: 0.77 PPBV
RT: 5.483 min Scan# 1633
Delta R.T. 0.014 min
Lab File: Q3636.D
Acq: 6 Jun 2007 6:18 pm

Tgt Ion: 45 Resp: 19418

Ion	Ratio	Lower	Upper
45	100		
59	5.2	0.0	22.8
43	38.4	2.8	42.8

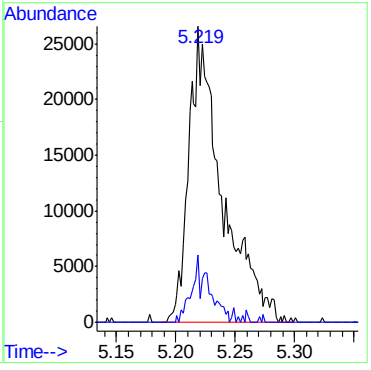


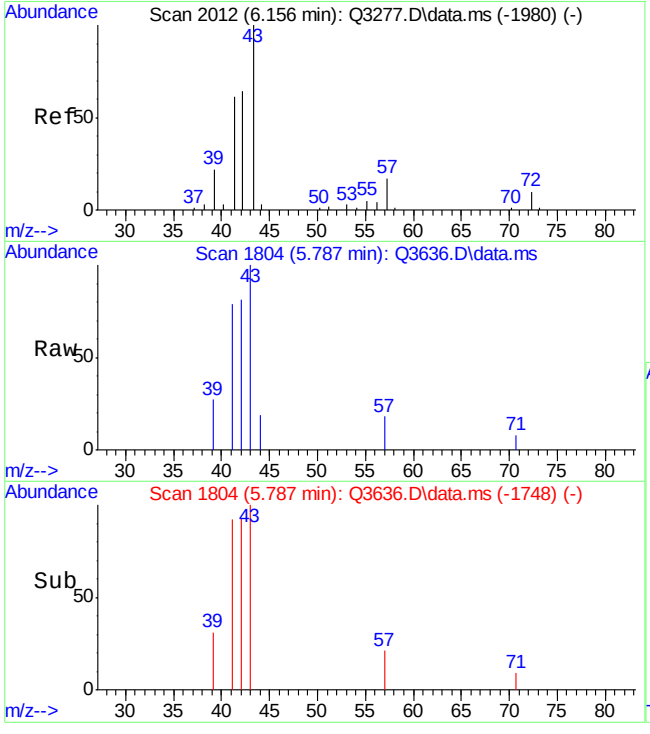


#12
ACETONE
Concen: 1.69 PPBV
RT: 5.219 min Scan# 1484
Delta R.T. 0.011 min
Lab File: Q3636.D
Acq: 6 Jun 2007 6:18 pm

Tgt Ion: 43 Resp: 51436

Ion	Ratio	Lower	Upper
43	100		
58	5.6	0.0	20.3

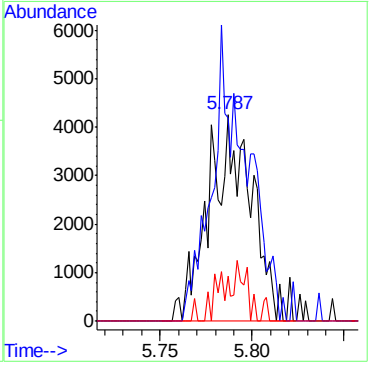


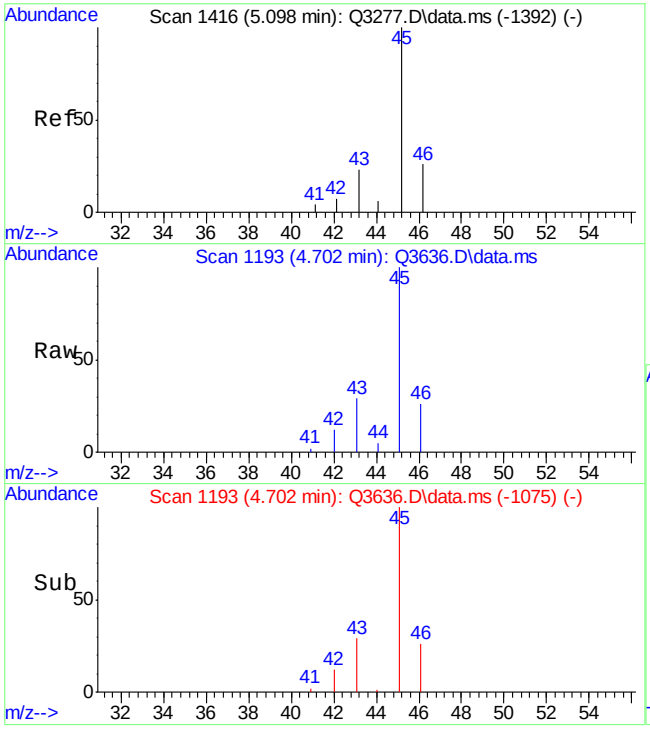


#13
PENTANE
Concen: 0.50 PPBV
RT: 5.787 min Scan# 1804
Delta R.T. -0.003 min
Lab File: Q3636.D
Acq: 6 Jun 2007 6:18 pm

Tgt Ion: 42 Resp: 6967

Ion	Ratio	Lower	Upper
42	100		
41	113.7	0.0	20.0#
57	9.2	0.0	20.0

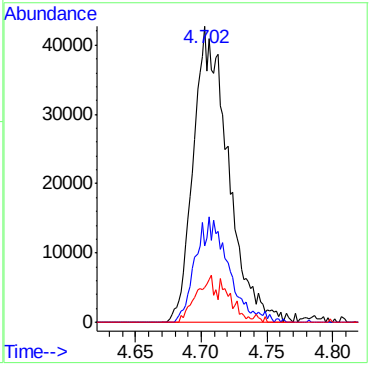


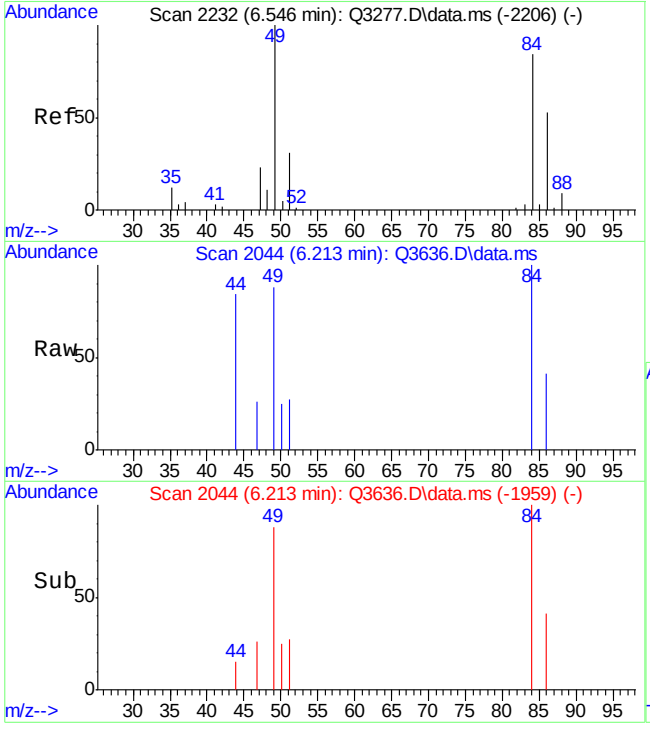


#16
ETHANOL
Concen: 22.43 PPBV
RT: 4.702 min Scan# 1193
Delta R.T. 0.004 min
Lab File: Q3636.D
Acq: 6 Jun 2007 6:18 pm

Tgt Ion: 45 Resp: 78526

Ion	Ratio	Lower	Upper
45	100		
46	32.9	0.0	20.0#
42	8.7	0.0	20.0

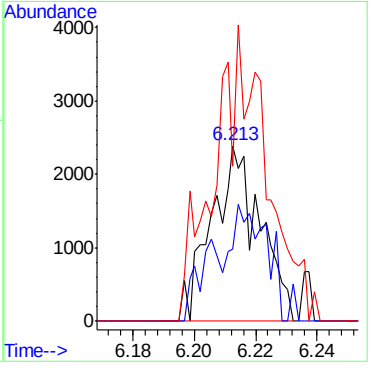


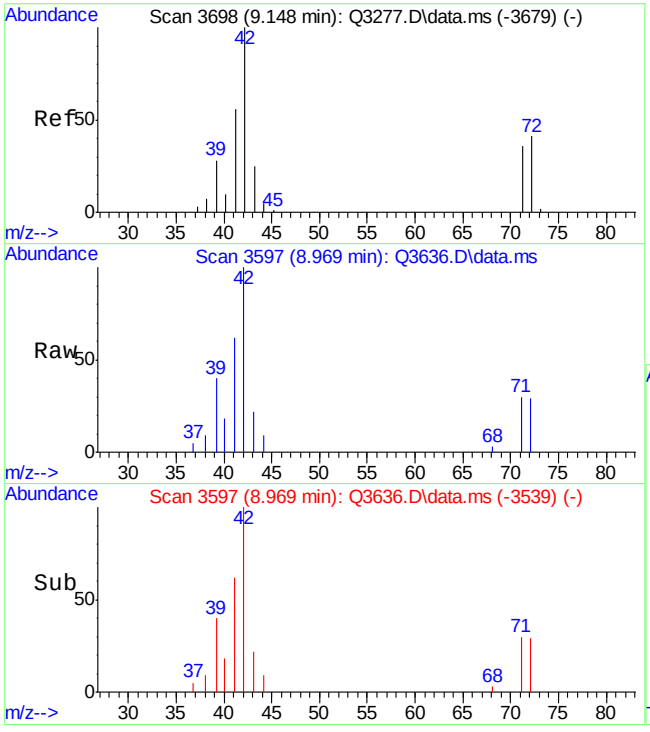


#18
METHYLENE CHLORIDE
Concen: 0.19 PPBV
RT: 6.213 min Scan# 2044
Delta R.T. 0.001 min
Lab File: Q3636.D
Acq: 6 Jun 2007 6:18 pm

Tgt Ion: 84 Resp: 2628

Ion	Ratio	Lower	Upper
84	100		
86	71.6	0.0	21.1#
49	182.4	0.0	204.0

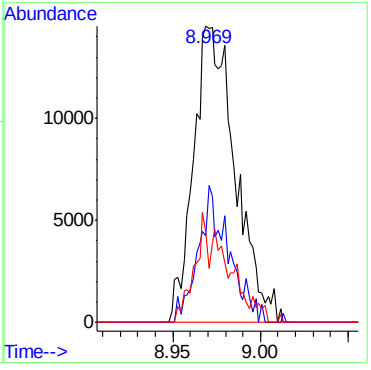


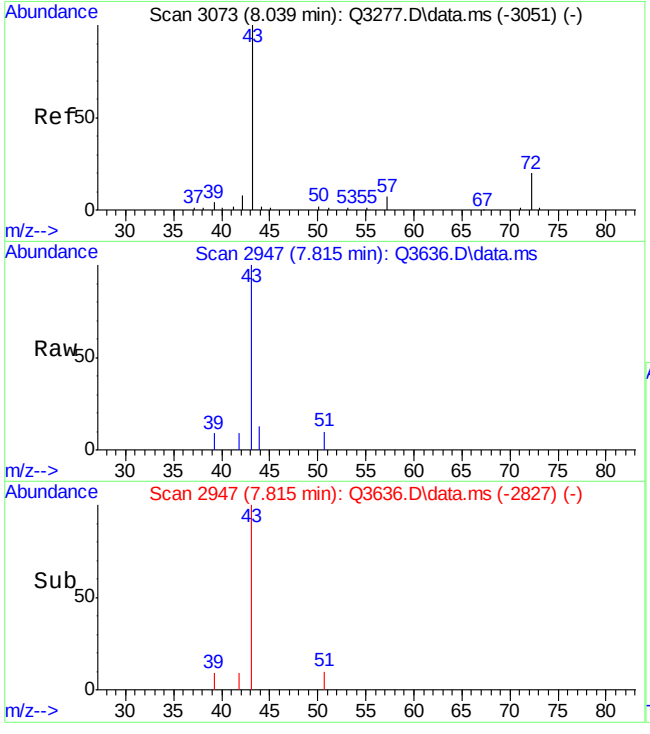


#24
TETRAHYDROFURAN
Concen: 2.66 PPBV
RT: 8.969 min Scan# 3597
Delta R.T. 0.000 min
Lab File: Q3636.D
Acq: 6 Jun 2007 6:18 pm

Tgt Ion: 42 Resp: 24064

Ion	Ratio	Lower	Upper
42	100		
72	33.2	0.0	20.0#
71	28.6	0.0	20.0#

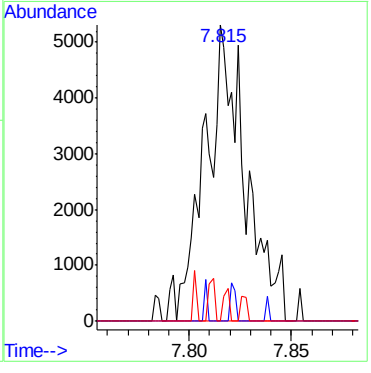


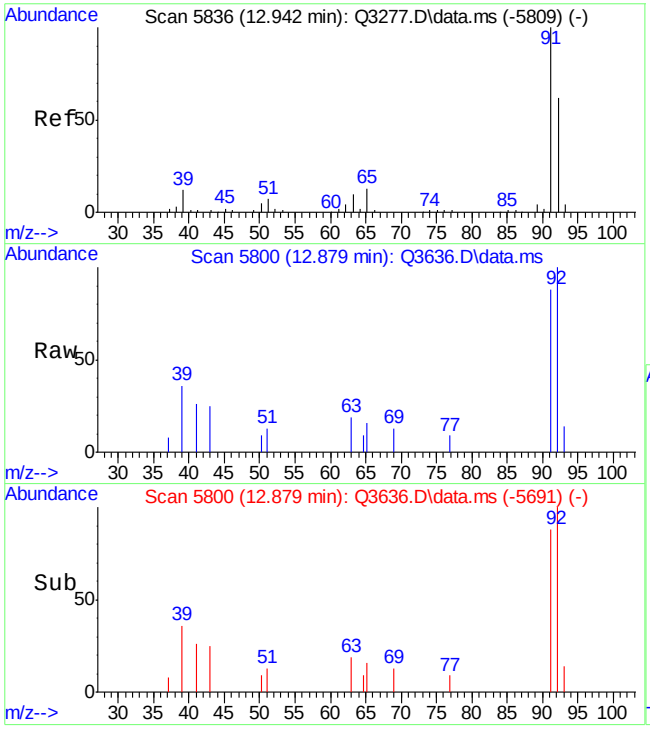


#28
METHYL ETHYL KETONE
Concen: 0.34 PPBV
RT: 7.815 min Scan# 2947
Delta R.T. 0.007 min
Lab File: Q3636.D
Acq: 6 Jun 2007 6:18 pm

Tgt Ion: 43 Resp: 7462

Ion	Ratio	Lower	Upper
43	100		
57	0.0	0.0	27.2
72	0.0	0.0	38.1

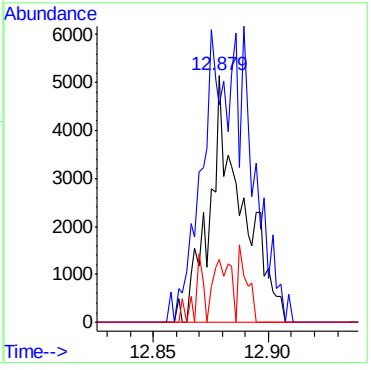


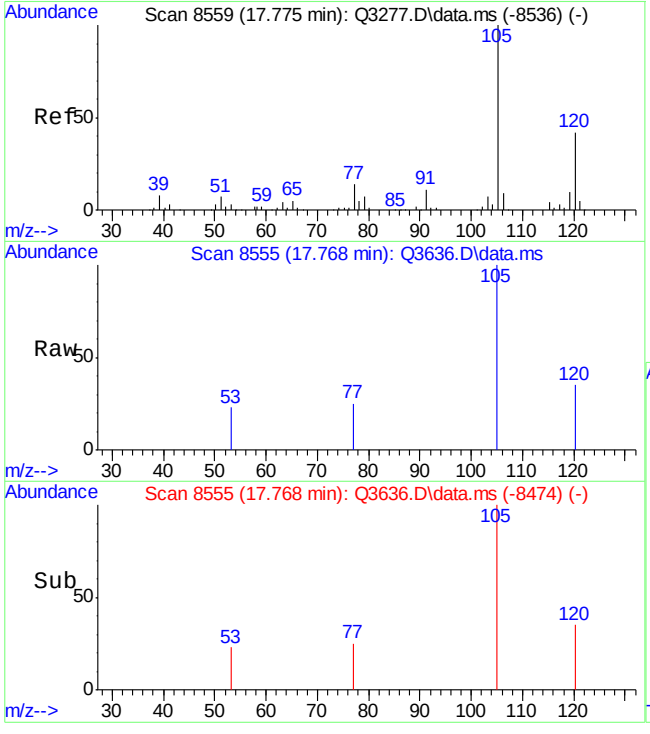


#46
TOLUENE
Concen: 0.40 PPBV
RT: 12.879 min Scan# 5800
Delta R.T. -0.012 min
Lab File: Q3636.D
Acq: 6 Jun 2007 6:18 pm

Tgt Ion: 92 Resp: 5065

Ion	Ratio	Lower	Upper
92	100		
91	87.2	150.8	190.8#
65	19.6	2.9	42.9

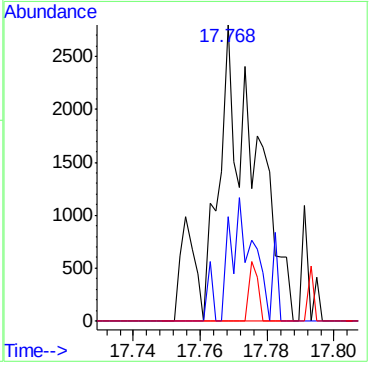




#67
1,2,4-TRIMETHYLBENZENE
Concen: 0.24 PPBV
RT: 17.768 min Scan# 8555
Delta R.T. -0.012 min
Lab File: Q3636.D
Acq: 6 Jun 2007 6:18 pm

Tgt Ion:105 Resp: 2360

Ion	Ratio	Lower	Upper
105	100		
120	26.6	25.9	65.9
119	4.4	0.0	31.2



Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\
Data File : Q3484.D
Acq On : 22 May 2007 12:07 pm
Operator : PhilipB
Sample : M64897-13 (M127)
Misc : MS13602,MSQ189,,,,,1
ALS Vial : 3 Sample Multiplier: 1

Quant Time: May 22 15:19:12 2007
Quant Method : C:\msdchem\1\METHODS\Q052107T.m
Quant Title : TO15 by GCMS w/DB-1 60 m X .25 mm ID 1.0 um
QLast Update : Tue May 22 09:36:34 2007
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) BROMOCHLOROMETHANE	8.426	128	82327	10.00	PPBV	0.00
35) 1,4-DIFLUOROBENZENE	10.346	114	356617	10.00	PPBV	0.00
49) CHLOROBENZENE-D5	14.693	117	307656	10.00	PPBV	0.00

System Monitoring Compounds

61) 4-BROMOFLUOROBENZENE	16.336	95	107205	4.54	PPBV	0.00

Spiked Amount 5.000 Range 57 - 139 Recovery = 90.80%

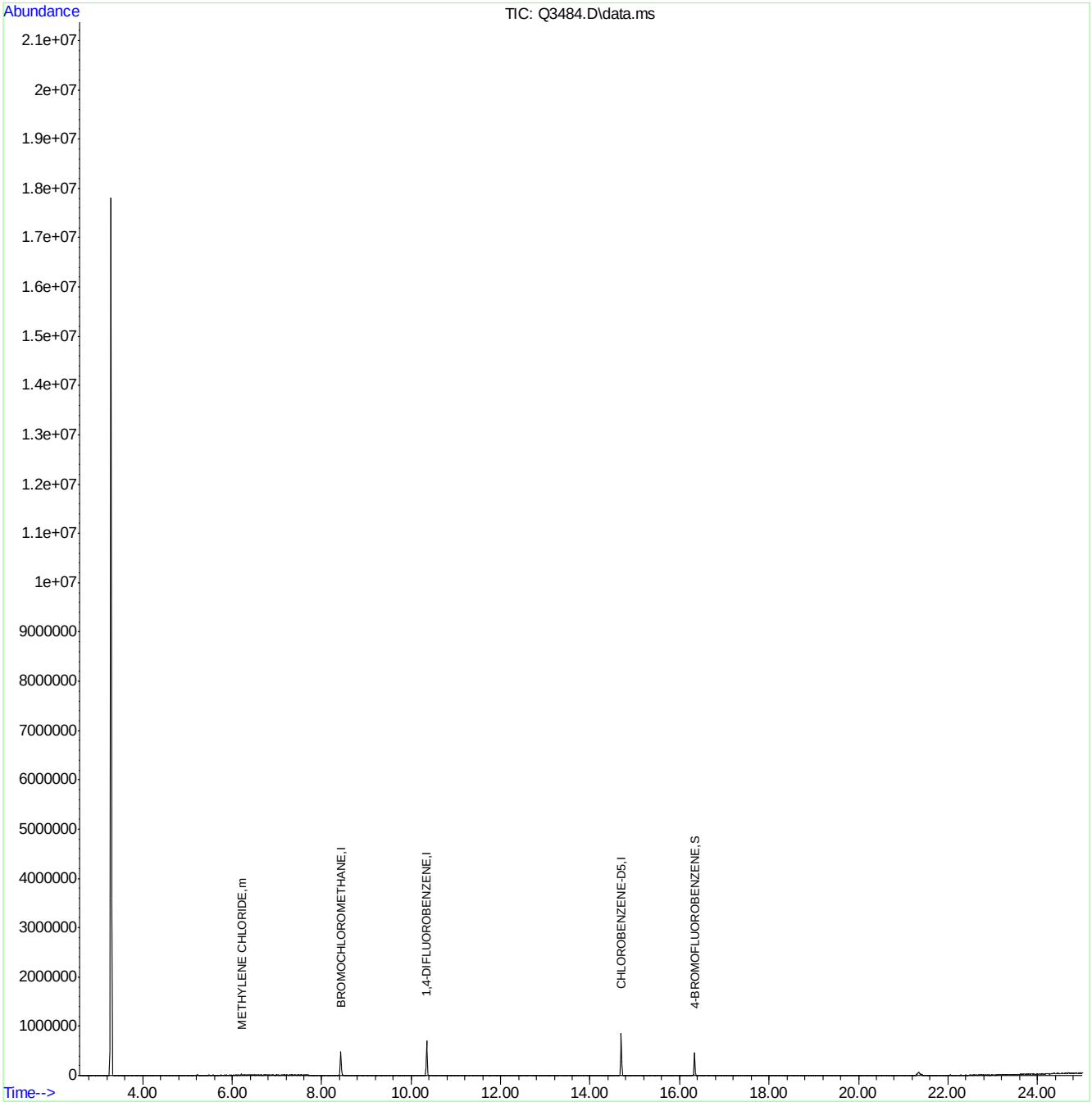
Target Compounds						Qvalue
18) METHYLENE CHLORIDE	6.206	84	6067	0.30	PPBV #	1

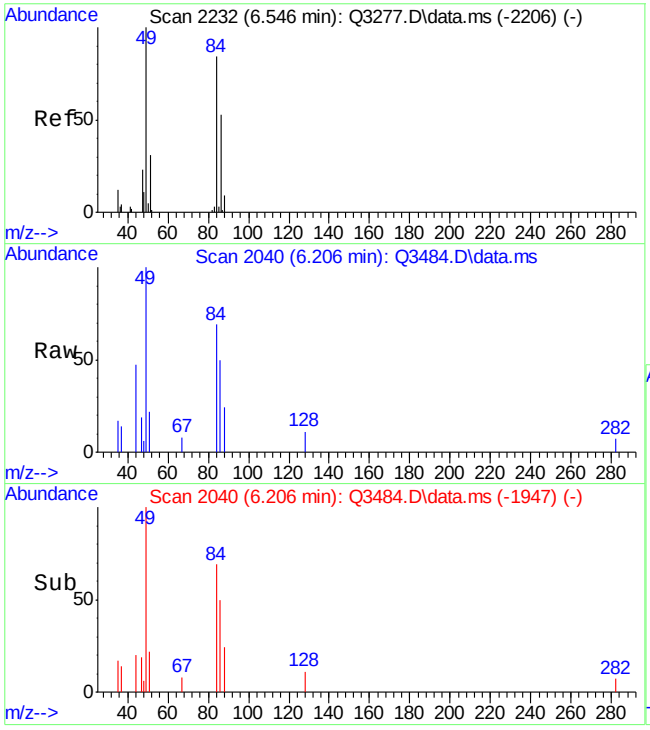
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\
Data File : Q3484.D
Acq On : 22 May 2007 12:07 pm
Operator : PhilipB
Sample : M64897-13 (M127)
Misc : MS13602,MSQ189,,,,,1
ALS Vial : 3 Sample Multiplier: 1

Quant Time: May 22 15:19:12 2007
Quant Method : C:\msdchem\1\METHODS\Q052107T.m
Quant Title : TO15 by GCMS w/DB-1 60 m X .25 mm ID 1.0 um
QLast Update : Tue May 22 09:36:34 2007
Response via : Initial Calibration

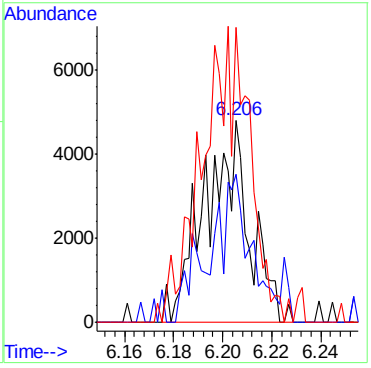




#18
METHYLENE CHLORIDE
Concen: 0.30 PPBV
RT: 6.206 min Scan# 2040
Delta R.T. 0.015 min
Lab File: Q3484.D
Acq: 22 May 2007 12:07 pm

Tgt Ion: 84 Resp: 6067

Ion	Ratio	Lower	Upper
84	100		
86	71.7	0.0	21.1#
49	97.1	0.0	204.0



6.5.1

6

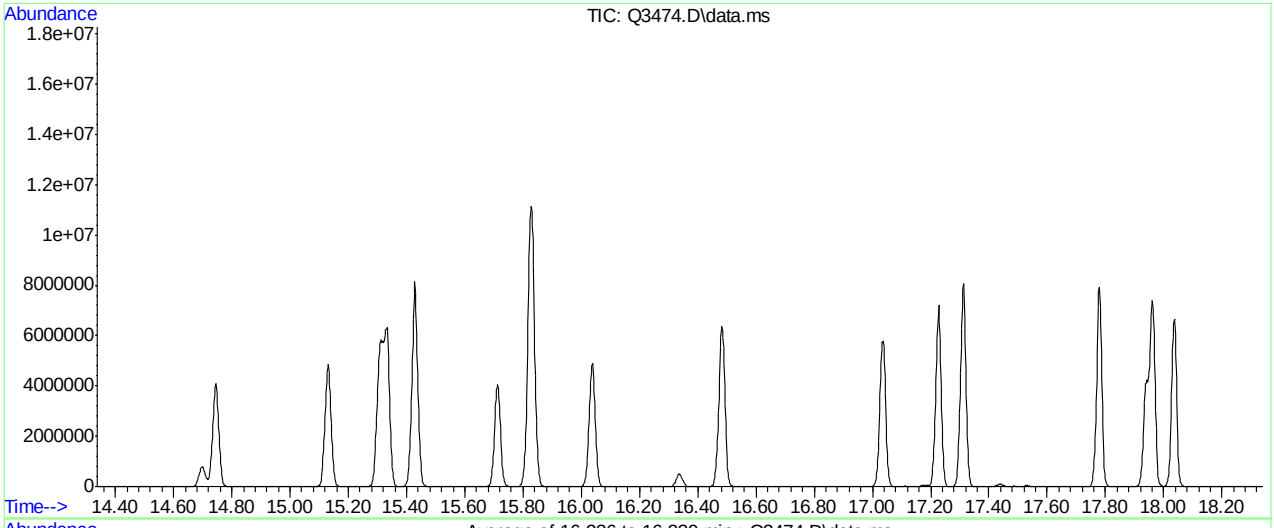
ACCUTEST Laboratories M65137

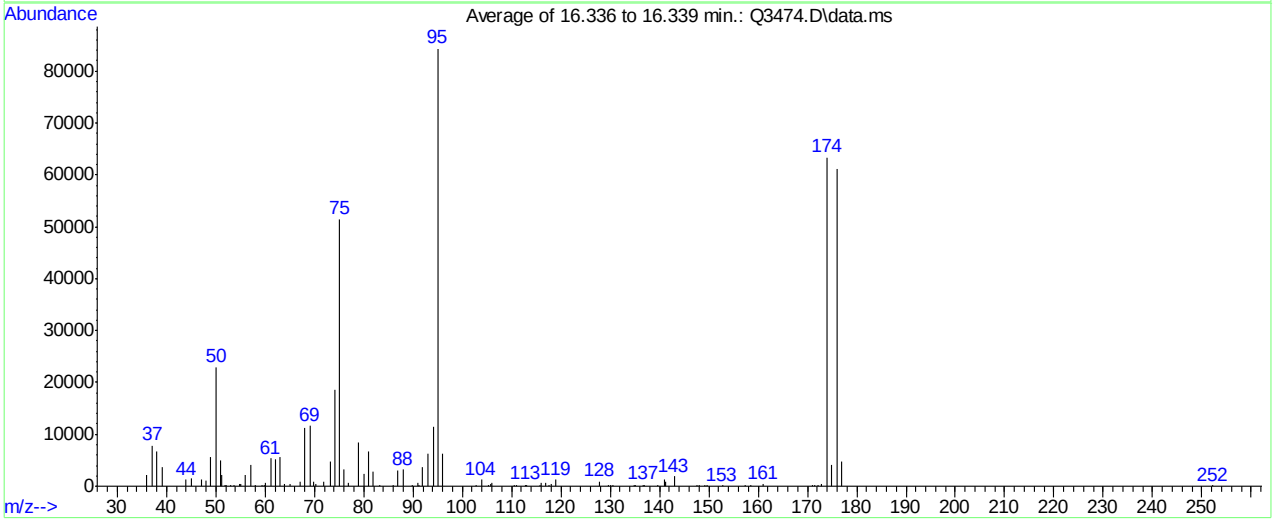
BFB

Data File : C:\msdchem\1\DATA\Q3474.D
Acq On : 21 May 2007 5:28 pm
Sample : IC189-40 (M060)
Misc : MS13602,MSQ189,,,,,1
MS Integration Params: LSCINT.P

Vial: 3
Operator: PhilipB
Inst : MAMSQ
Multiplr: 1.00

Method : C:\msdchem\1\METHODS\Q052107T.m (RTE Integrator)
Title : TO15 by GCMS w/DB-1 60 m X .25 mm ID 1.0 um





Spectrum Information: Average of 16.336 to 16.339 min.

Target Mass	Rel. to Mass	Lower Limit%	Upper Limit%	Rel. Abn%	Raw Abn	Result Pass/Fail
50	95	8	40	27.2	22954	PASS
75	95	30	66	61.1	51517	PASS
95	95	100	100	100.0	84362	PASS
96	95	5	9	7.3	6194	PASS
173	174	0.00	2	0.5	333	PASS
174	95	50	120	75.1	63384	PASS
175	174	4	9	6.4	4070	PASS
176	174	93	101	96.4	61098	PASS
177	176	5	9	7.7	4693	PASS

Q3474.D Q052107T.m Tue May 22 09:37:26 2007 RPT1

Average of 16.336 to 16.339 min.: Q3474.D\data.ms
IC189-40 (M060)

m/z	abund.	m/z	abund.	m/z	abund.	m/z	abund.
35.95	2204	51.20	2255	59.80	237	70.20	363
37.10	7885	51.90	215	59.95	654	71.90	846
38.10	6729	52.10	173	61.10	5316	73.15	4665
39.15	3649	53.10	193	62.10	5181	74.10	18538
44.00	1213	53.70	175	63.05	5593	75.10	51517
45.10	1479	54.85	497	63.90	408	76.05	3209
47.05	1225	55.10	470	65.05	476	76.90	667
48.00	1176	56.05	2272	67.00	789	78.95	8470
49.00	5616	57.05	4174	68.10	11252	80.00	2396
50.10	22954	57.90	197	69.05	11642	80.95	6667
51.00	4890	59.30	264	69.90	886	81.95	2750

Average of 16.336 to 16.339 min.: Q3474.D\data.ms
IC189-40 (M060)

m/z	abund.	m/z	abund.	m/z	abund.	m/z	abund.
83.30	141	96.05	6194	116.05	672	136.70	265
85.90	181	102.80	231	116.80	691	136.90	266
86.95	3087	103.85	1283	117.50	144	139.70	269
87.95	3214	105.20	324	118.05	402	140.90	1208
89.90	224	105.70	501	118.95	1208	141.20	921
90.90	712	105.95	638	127.90	897	142.95	1945
91.20	290	110.60	288	129.70	264	147.70	173
91.95	3593	111.00	235	130.00	206	148.10	137
93.05	6212	112.70	142	130.60	144	149.10	189
94.10	11544	113.00	297	134.80	155	149.70	203
95.05	84362	115.80	267	135.10	172	152.80	206

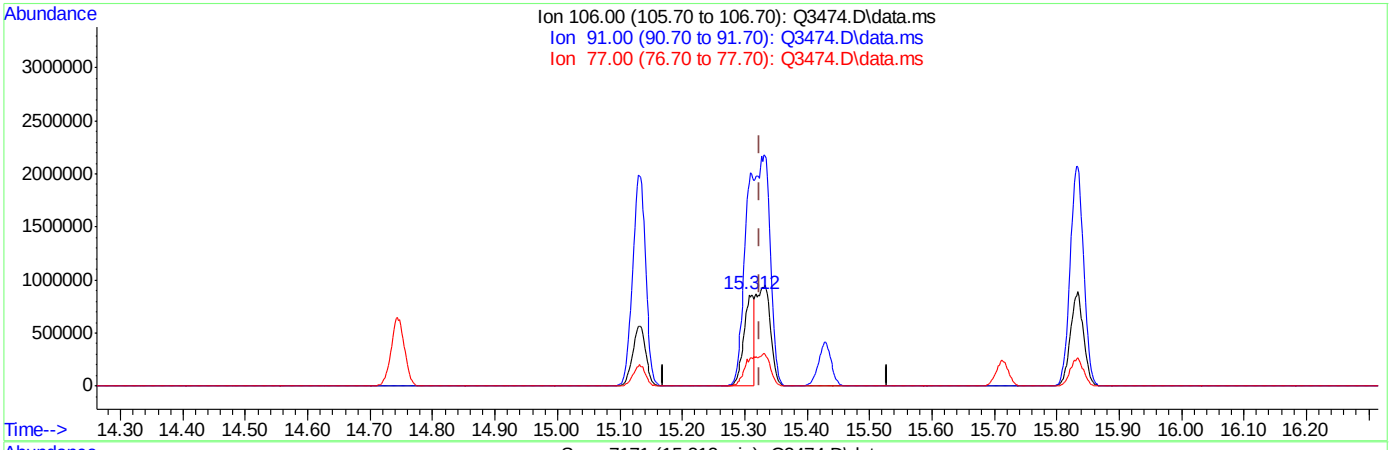
Average of 16.336 to 16.339 min.: Q3474.D\data.ms
IC189-40 (M060)

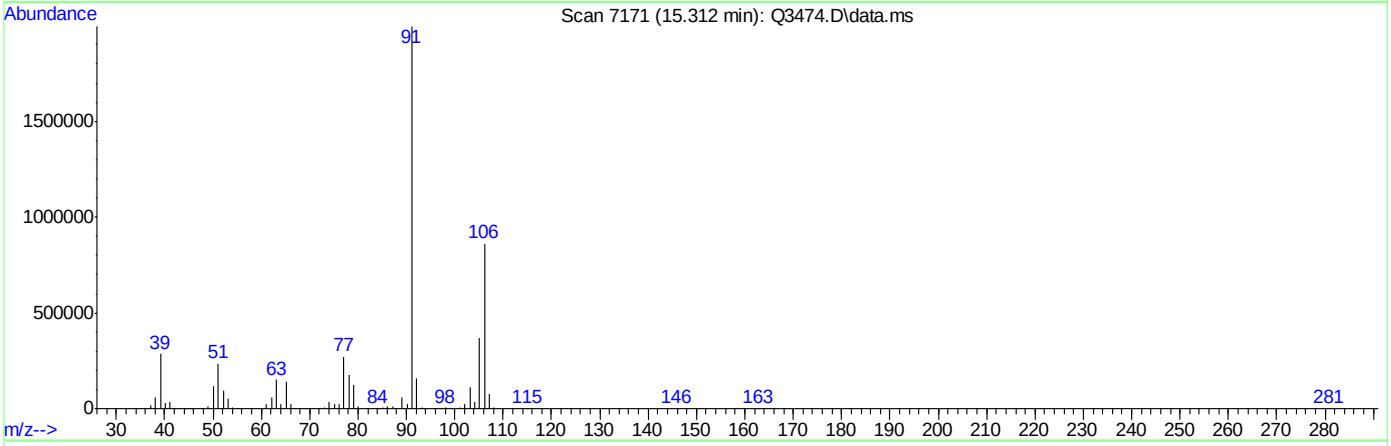
m/z	abund.	m/z	abund.	m/z	abund.	m/z	abund.
157.40	148	252.20	151				
158.60	161						
161.10	356						
171.00	205						
171.50	205						
172.10	260						
172.90	333						
174.00	63384						
174.95	4070						
175.95	61098						
176.95	4693						

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\
Data File : Q3474.D
Acq On : 21 May 2007 5:28 pm
Operator : PhilipB
Sample : IC189-40 (M060)
Misc : MS13602,MSQ189,,,,,1
ALS Vial : 3 Sample Multiplier: 1

Quant Time: May 22 09:18:49 2007
Quant Method : C:\msdchem\1\METHODS\Q051507T.m
Quant Title : TO15 by GCMS w/DB-1 60 m X .25 mm ID 1.0 um
QLast Update : Tue May 22 09:18:43 2007
Response via : Initial Calibration





TIC: Q3474.D\data.ms

(56) m,p-XYLENE (m)

15.312min (-0.013) 43.61PPBV

response 980741

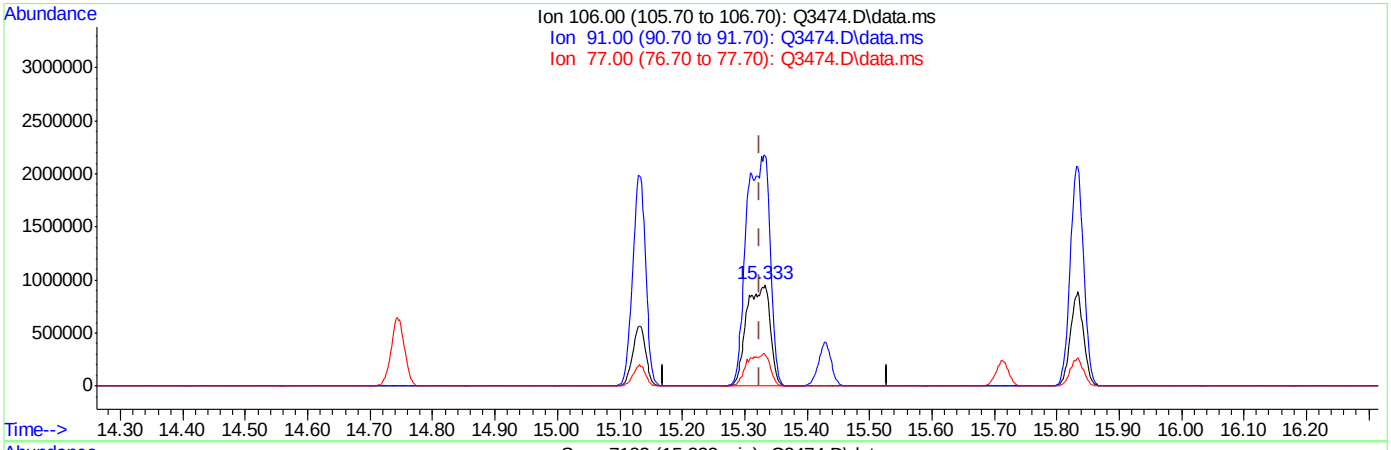
Ion	Exp%	Act%
106.00	100	100
91.00	204.20	231.51
77.00	30.60	31.54
0.00	0.00	0.00

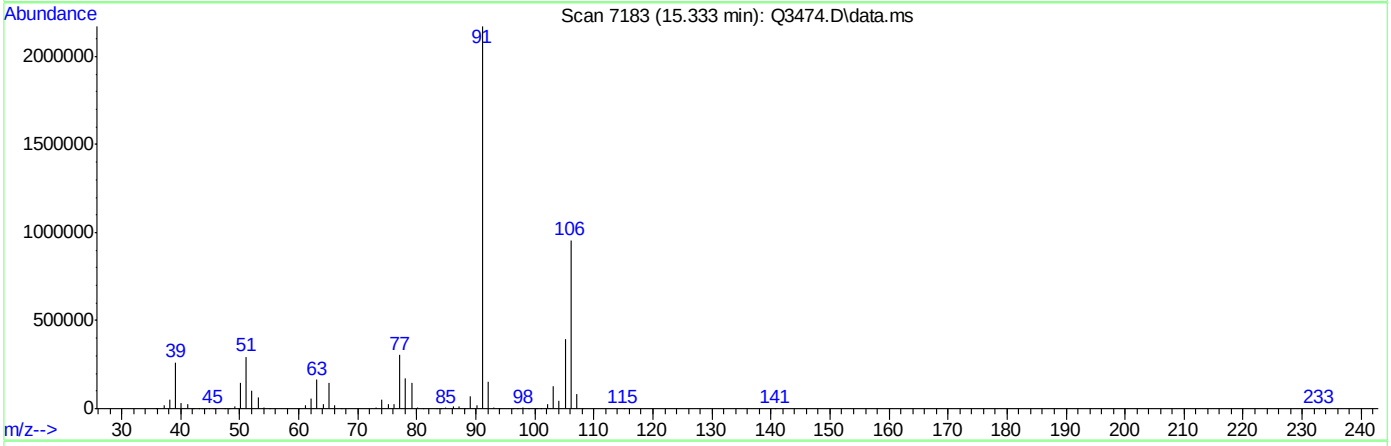
ACCUTEST Laboratories M65137

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\
Data File : Q3474.D
Acq On : 21 May 2007 5:28 pm
Operator : PhilipB
Sample : IC189-40 (M060)
Misc : MS13602,MSQ189,,,,,1
ALS Vial : 3 Sample Multiplier: 1

Quant Time: May 22 09:18:49 2007
Quant Method : C:\msdchem\1\METHODS\Q051507T.m
Quant Title : TO15 by GCMS w/DB-1 60 m X .25 mm ID 1.0 um
QLast Update : Tue May 22 09:18:43 2007
Response via : Initial Calibration





TIC: Q3474.D\data.ms

(56) m,p-XYLENE (m)

15.333min (+0.009) 110.64PPBV m

response 2488248

Ion	Exp%	Act%
106.00	100	100
91.00	204.20	227.27
77.00	30.60	31.75
0.00	0.00	0.00

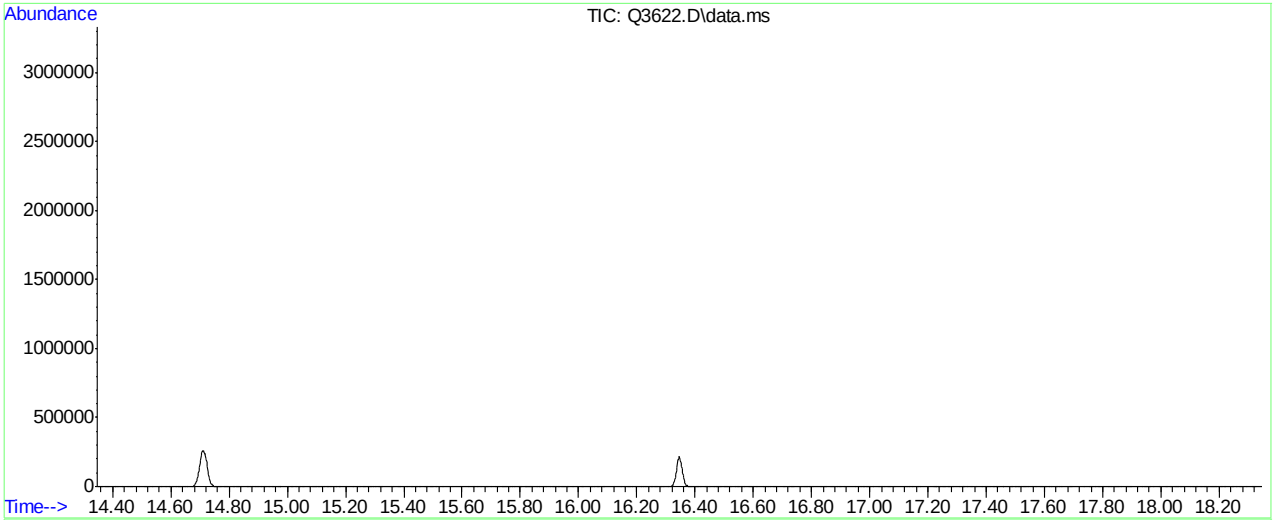
ACCUTEST Laboratories M65137

BFB

Data File : C:\msdchem\1\DATA\Q3622.D
Acq On : 5 Jun 2007 3:03 pm
Sample : IC197-4 (M142)
Misc : MS13684, MSQ197,,,,,1
MS Integration Params: LSCINT.P

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

Method : C:\msdchem\1\METHODS\Q060507T.m (RTE Integrator)
Title : TO15 by GCMS w/DB-1 60 m X .25 mm ID 1.0 um



Spectrum Information: Average of 16.339 to 16.355 min.

Target Mass	Rel. to Mass	Lower Limit%	Upper Limit%	Rel. Abn%	Raw Abn	Result Pass/Fail
50	95	8	40	33.1	9432	PASS
75	95	30	66	64.1	18250	PASS
95	95	100	100	100.0	28492	PASS
96	95	5	9	7.0	2005	PASS
173	174	0.00	2	1.0	243	PASS
174	95	50	120	85.1	24260	PASS
175	174	4	9	6.5	1576	PASS
176	174	93	101	99.3	24100	PASS
177	176	5	9	6.8	1634	PASS

Q3622.D Q060507T.m Wed Jun 06 09:21:58 2007 RPT1

Average of 16.339 to 16.355 min.: Q3622.D\data.ms
IC197-4 (M142)
Modified:subtracted

m/z	abund.	m/z	abund.	m/z	abund.	m/z	abund.
36.05	500	47.30	42	56.80	86	65.05	203
36.30	81	47.95	137	57.10	1451	66.90	42
37.10	2846	48.20	80	58.00	51	68.10	4682
38.05	2676	49.05	1981	60.00	406	69.05	5284
38.90	153	50.05	9432	60.30	57	70.05	490
39.05	1077	51.10	2757	60.90	200	71.90	101
44.05	286	53.00	41	61.05	2328	73.00	1877
44.30	97	55.20	55	62.05	2443	73.30	172
44.90	191	55.75	96	63.05	1790	74.05	7521
45.15	354	56.05	686	63.90	64	75.00	18250
46.90	65	56.40	44	64.80	44	76.05	1823

Average of 16.339 to 16.355 min.: Q3622.D\data.ms
IC197-4 (M142)
Modified:subtracted

m/z	abund.	m/z	abund.	m/z	abund.	m/z	abund.
78.95	3221	93.05	1920	117.90	152	154.60	53
80.00	798	93.30	118	118.75	98	154.80	54
80.95	3331	94.05	4855	119.00	174	159.10	42
81.90	664	95.10	28492	123.70	87	171.90	349
86.85	256	96.05	2005	127.90	50	172.95	243
87.10	486	104.00	152	129.70	54	174.00	24260
87.90	467	105.80	43	137.00	57	174.95	1576
88.20	82	106.05	162	140.95	916	175.25	411
91.10	80	115.80	41	142.30	40	176.05	24100
92.00	1811	115.95	152	142.90	935	177.00	1634
92.90	169	116.85	492	145.00	49	183.30	43

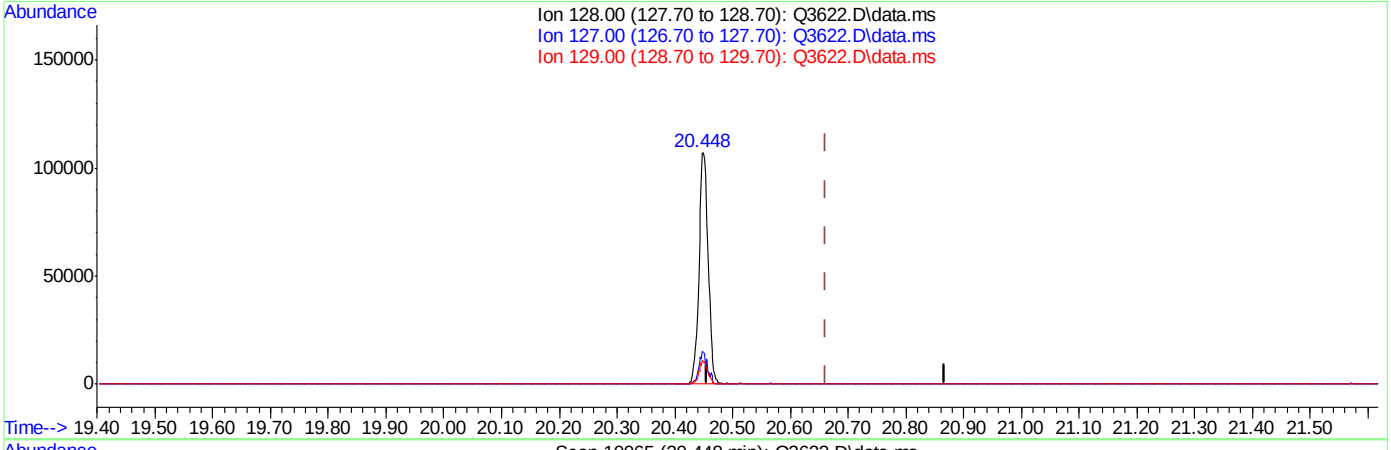
Average of 16.339 to 16.355 min.: Q3622.D\data.ms
IC197-4 (M142)
Modified:subtracted

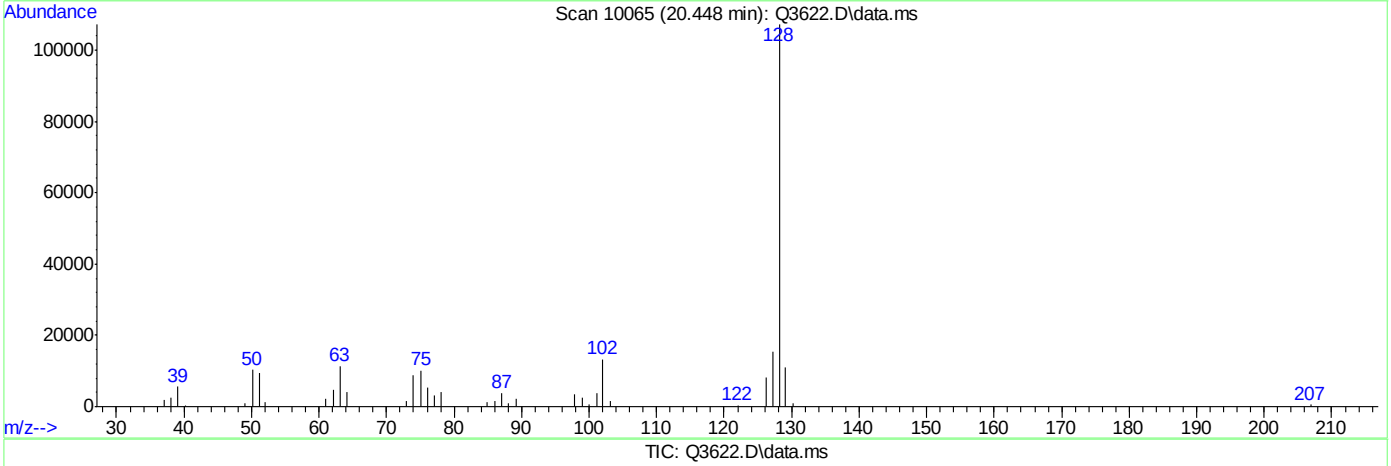
m/z	abund.	m/z	abund.	m/z	abund.	m/z	abund.
258.40	44						

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\
Data File : Q3622.D
Acq On : 5 Jun 2007 3:03 pm
Operator : PhilipB
Sample : IC197-4 (M142)
Misc : MS13684, MSQ197,,,,,1
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Jun 05 15:42:47 2007
Quant Method : C:\msdchem\1\METHODS\Q053007T.m
Quant Title : TO15 by GCMS w/DB-1 60 m X .25 mm ID 1.0 um
QLast Update : Tue Jun 05 15:42:16 2007
Response via : Initial Calibration





(74) NAPHTHALENE (m)

20.448min (-0.214) 0.00PPBV m

response 116628

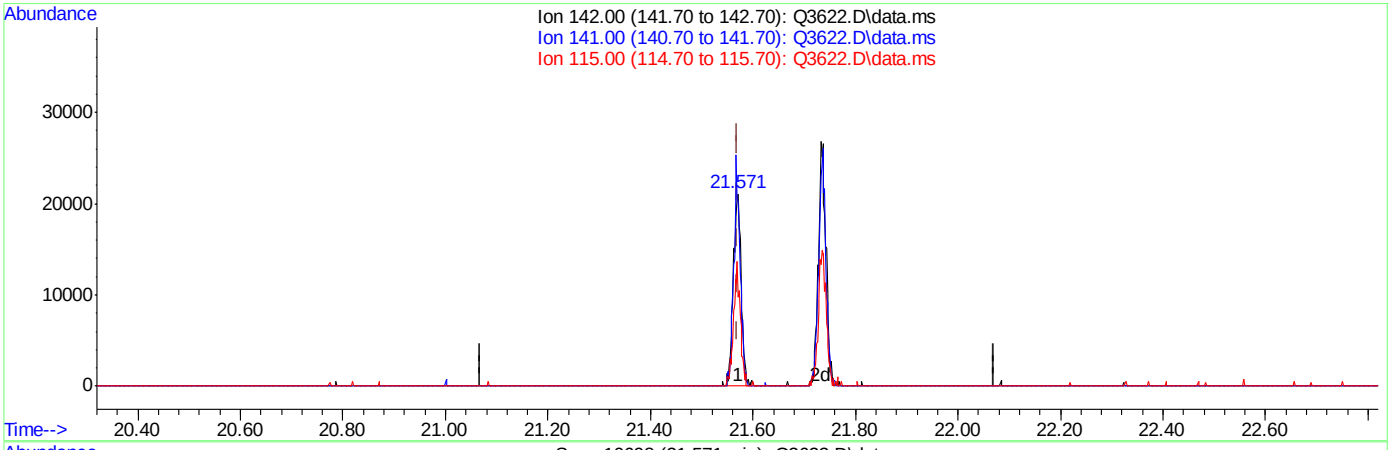
Ion	Exp%	Act%
128.00	100	100
127.00	13.60	0.00
129.00	10.70	0.00
0.00	0.00	0.00

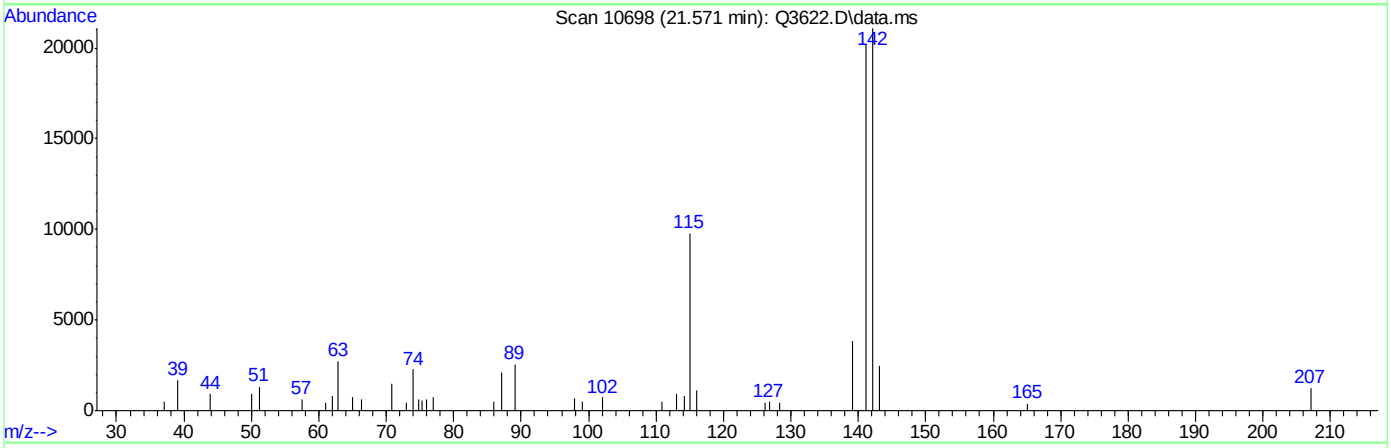
ACCUTEST Laboratories M65137

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\
Data File : Q3622.D
Acq On : 5 Jun 2007 3:03 pm
Operator : PhilipB
Sample : IC197-4 (M142)
Misc : MS13684, MSQ197,,,,,1
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Jun 05 15:42:47 2007
Quant Method : C:\msdchem\1\METHODS\Q053007T.m
Quant Title : TO15 by GCMS w/DB-1 60 m X .25 mm ID 1.0 um
QLast Update : Tue Jun 05 15:42:16 2007
Response via : Initial Calibration





TIC: Q3622.D\data.ms

(75) 2-METHYLNAPHTHALENE

21.571min (+0.001) 0.00PPBV

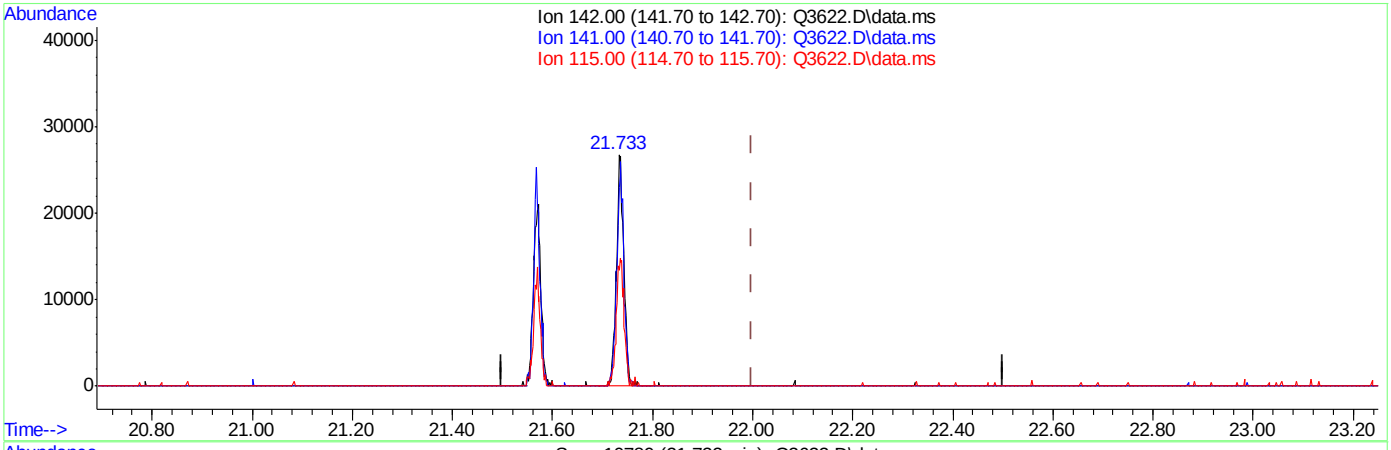
response 22217

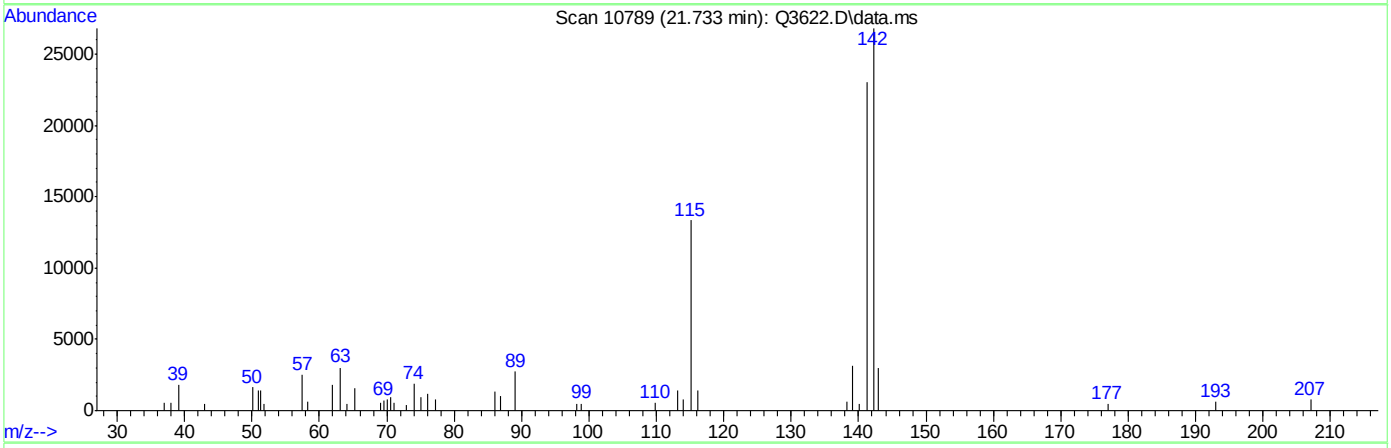
Ion	Exp%	Act%
142.00	100	100
141.00	0.00	97.00#
115.00	0.00	55.73#
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\
Data File : Q3622.D
Acq On : 5 Jun 2007 3:03 pm
Operator : PhilipB
Sample : IC197-4 (M142)
Misc : MS13684, MSQ197,,,,,1
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Jun 05 15:42:47 2007
Quant Method : C:\msdchem\1\METHODS\Q053007T.m
Quant Title : TO15 by GCMS w/DB-1 60 m X .25 mm ID 1.0 um
QLast Update : Tue Jun 05 15:42:16 2007
Response via : Initial Calibration





TIC: Q3622.D\data.ms

(76) 1-METHYLNAPHTHALENE

21.733min (-0.267) 0.00PPBV m

response 27693

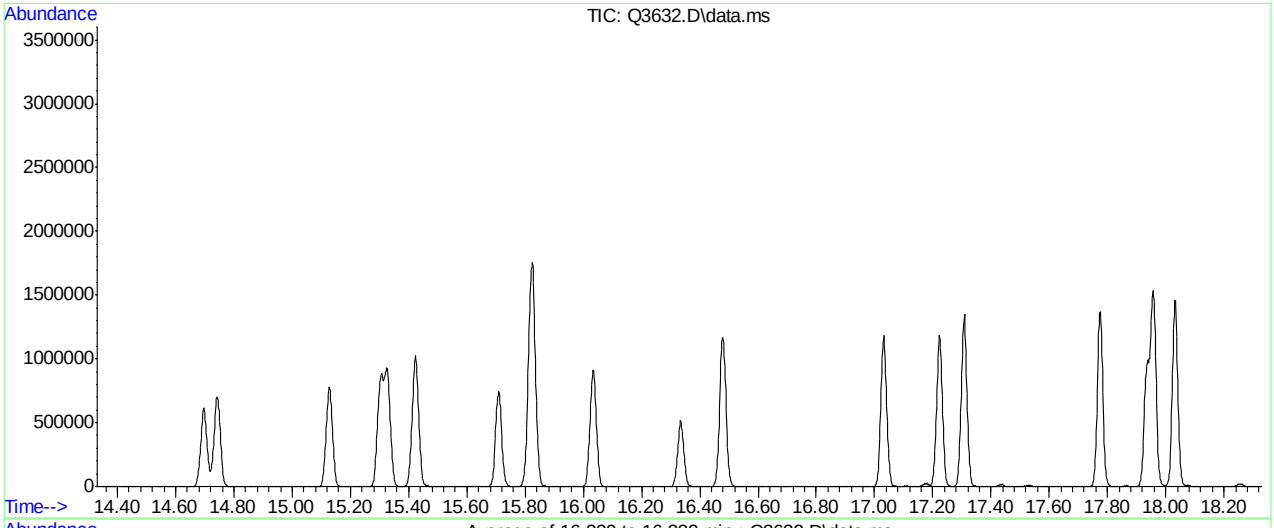
Ion	Exp%	Act%
142.00	100	100
141.00	0.00	0.00
115.00	0.00	0.00
0.00	0.00	0.00

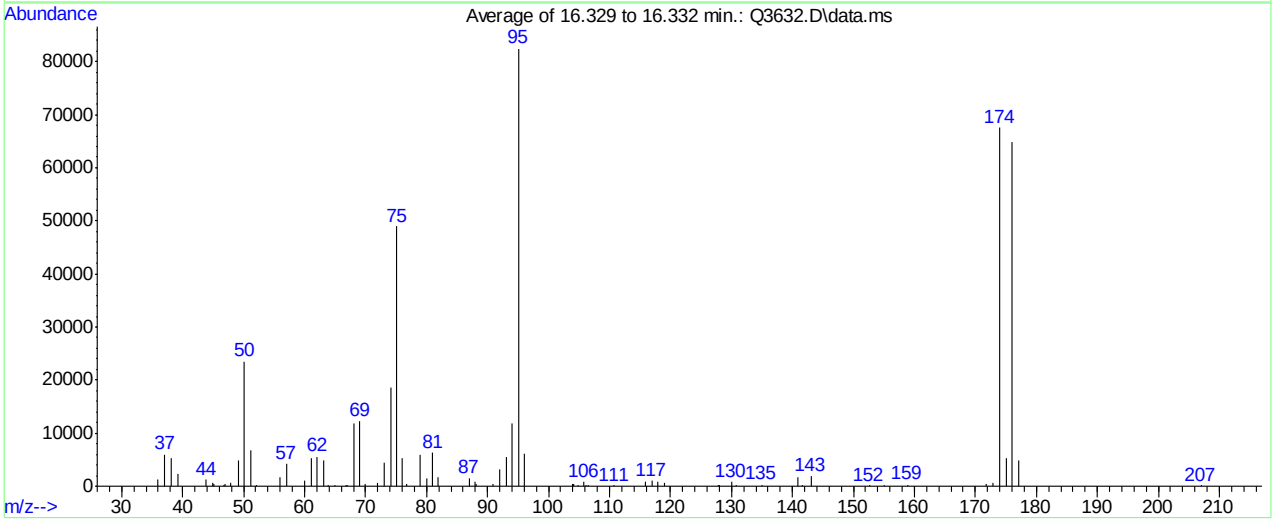
BFB

Data File : C:\msdchem\1\DATA\Q3632.D
Acq On : 6 Jun 2007 3:26 pm
Sample : CC197-10 (M179)
Misc : MS13699, MSQ198,,,,,1
MS Integration Params: LSCINT.P

Vial: 4
Operator: PhilipB
Inst : MAMSQ
Multiplr: 1.00

Method : C:\msdchem\1\METHODS\Q060507T.m (RTE Integrator)
Title : TO15 by GCMS w/DB-1 60 m X .25 mm ID 1.0 um





Spectrum Information: Average of 16.329 to 16.332 min.

Target Mass	Rel. to Mass	Lower Limit%	Upper Limit%	Rel. Abn%	Raw Abn	Result Pass/Fail
50	95	8	40	28.4	23450	PASS
75	95	30	66	59.3	48933	PASS
95	95	100	100	100.0	82477	PASS
96	95	5	9	7.4	6092	PASS
173	174	0.00	2	0.9	635	PASS
174	95	50	120	81.9	67576	PASS
175	174	4	9	7.9	5327	PASS
176	174	93	101	96.1	64944	PASS
177	176	5	9	7.6	4930	PASS

Q3632.D Q060507T.m Wed Jun 06 16:18:28 2007 RPT1

Average of 16.329 to 16.332 min.: Q3632.D\data.ms
CC197-10 (M179)

m/z	abund.	m/z	abund.	m/z	abund.	m/z	abund.
36.00	1317	50.10	23450	66.80	167	79.00	5926
37.10	6027	51.10	6682	67.00	167	80.05	1436
38.10	5330	52.10	202	68.05	11930	81.05	6301
39.15	2408	56.05	1692	69.05	12342	81.95	1744
43.90	1179	57.05	4190	69.95	480	86.95	1549
45.00	731	60.05	1001	71.90	624	87.90	928
45.20	531	61.05	5246	73.05	4496	88.10	503
46.80	231	62.05	5536	74.10	18589	90.95	528
47.00	400	63.10	4768	75.10	48933	92.05	3282
47.95	626	63.80	307	76.05	5333	93.10	5503
49.10	4827	65.00	193	76.80	373	94.10	11756

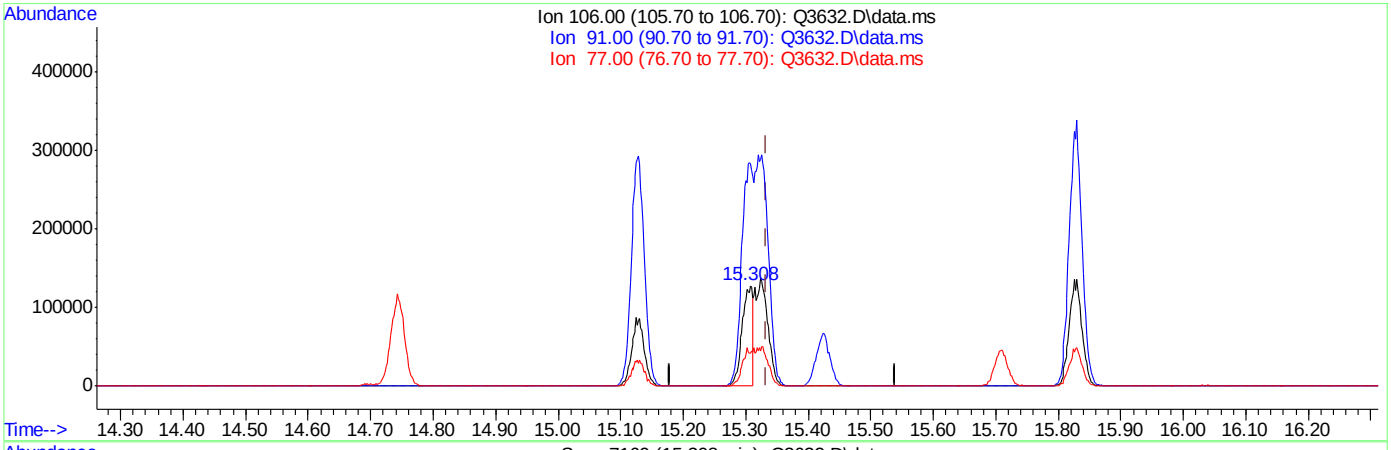
Average of 16.329 to 16.332 min.: Q3632.D\data.ms
CC197-10 (M179)

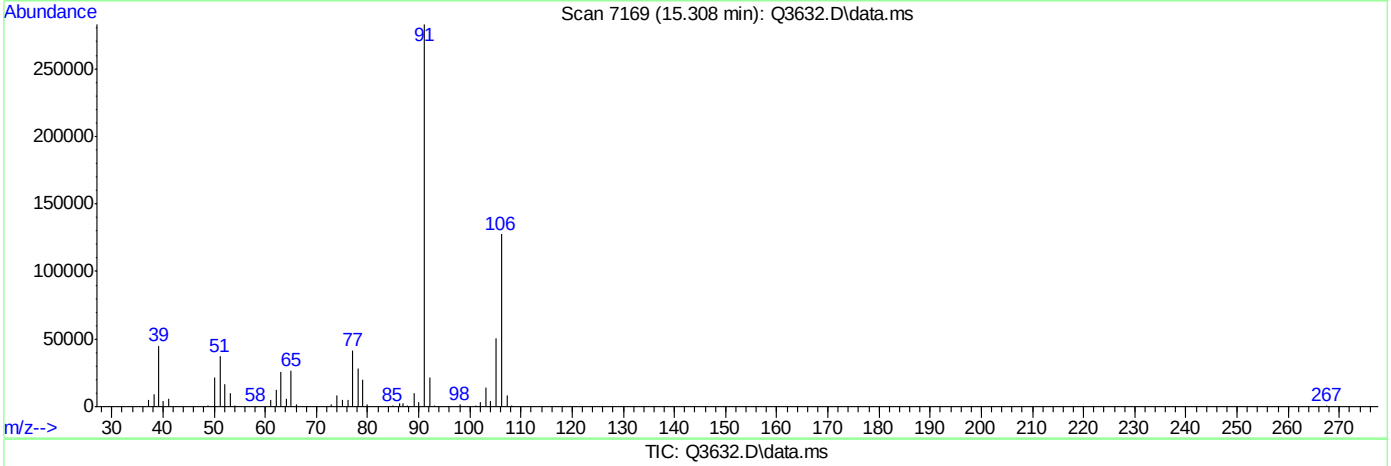
m/z	abund.	m/z	abund.	m/z	abund.	m/z	abund.
95.10	82477	118.00	799	155.00	156		
96.05	6092	119.00	626	158.90	219		
103.90	523	127.80	150	171.85	399		
104.10	389	128.10	231	172.90	635		
104.90	237	130.00	774	174.00	67576		
105.85	845	130.80	286	175.05	5327		
106.10	140	134.95	290	176.00	64944		
106.60	140	140.95	1758	177.05	4930		
110.80	143	141.70	146	207.00	145		
115.90	849	143.05	1923				
116.95	1048	152.60	150				

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\
Data File : Q3632.D
Acq On : 6 Jun 2007 3:26 pm
Operator : PhilipB
Sample : CC197-10 (M179)
Misc : MS13699, MSQ198,,,,,1
ALS Vial : 4 Sample Multiplier: 1

Quant Time: Jun 06 16:16:39 2007
Quant Method : C:\msdchem\1\METHODS\Q060507T.m
Quant Title : TO15 by GCMS w/DB-1 60 m X .25 mm ID 1.0 um
QLast Update : Wed Jun 06 14:52:22 2007
Response via : Initial Calibration





TIC: Q3632.D\data.ms

(56) m,p-XYLENE (m)

15.308min (-0.026) 10.68PPBV

response 151935

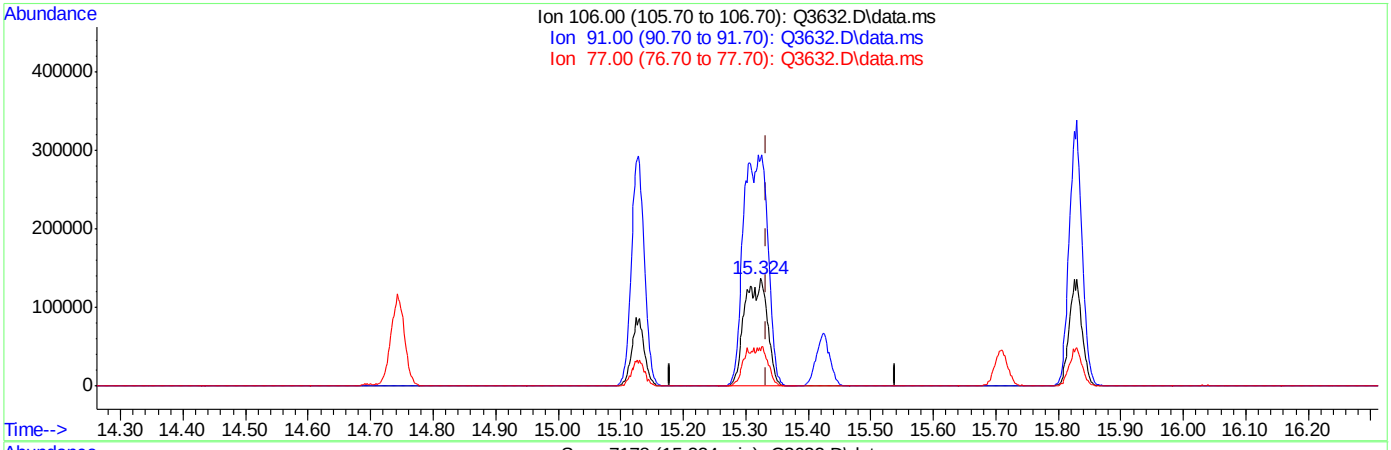
Ion	Exp%	Act%
106.00	100	100
91.00	204.20	221.64
77.00	30.60	32.46
0.00	0.00	0.00

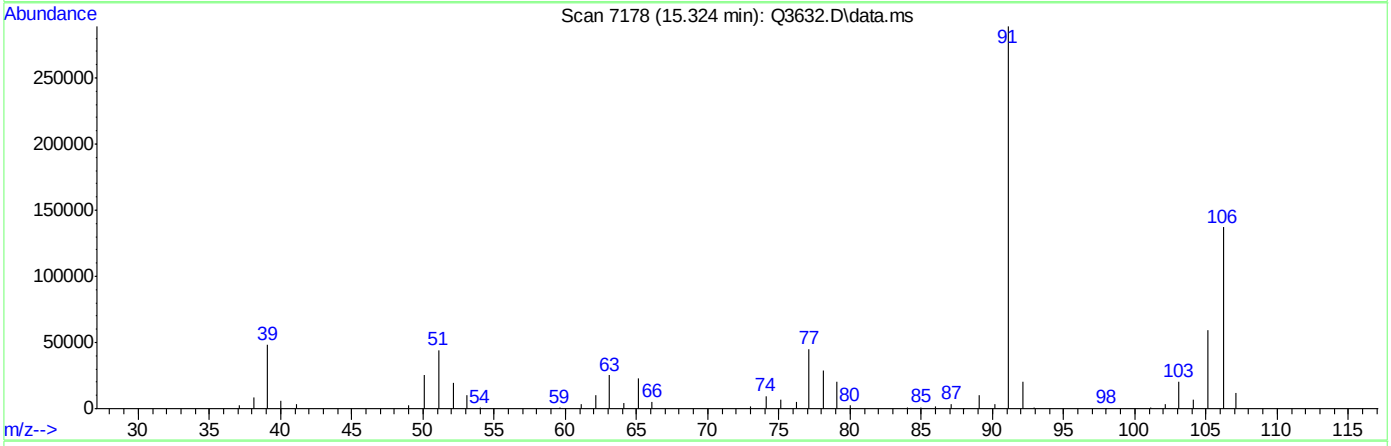
ACCUTEST Laboratories M65137

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\
Data File : Q3632.D
Acq On : 6 Jun 2007 3:26 pm
Operator : PhilipB
Sample : CC197-10 (M179)
Misc : MS13699, MSQ198,,,,,1
ALS Vial : 4 Sample Multiplier: 1

Quant Time: Jun 06 16:16:39 2007
Quant Method : C:\msdchem\1\METHODS\Q060507T.m
Quant Title : TO15 by GCMS w/DB-1 60 m X .25 mm ID 1.0 um
QLast Update : Wed Jun 06 14:52:22 2007
Response via : Initial Calibration





TIC: Q3632.D\data.ms

(56) m,p-XYLENE (m)

15.324min (-0.010) 21.93PPBV m

response 347729

Ion	Exp%	Act%
106.00	100	100
91.00	204.20	211.08
77.00	30.60	32.99
0.00	0.00	0.00

Manual Integrations APPROVED (compounds with "m" flag)
Doug Yargeau
05/23/07 16:02

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\
Data File : Q3474.D
Acq On : 21 May 2007 5:28 pm
Operator : PhilipB
Sample : IC189-40 (M060)
Misc : MS13602,MSQ189,,,,,1
ALS Vial : 3 Sample Multiplier: 1

Quant Time: May 22 09:19:01 2007
Quant Method : C:\msdchem\1\METHODS\Q051507T.m
Quant Title : TO15 by GCMS w/DB-1 60 m X .25 mm ID 1.0 um
QLast Update : Tue May 22 09:18:43 2007
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) BROMOCHLOROMETHANE	8.429	128	81469	10.00	PPBV	0.00
35) 1,4-DIFLUOROBENZENE	10.348	114	363145	10.00	PPBV	0.00
49) CHLOROBENZENE-D5	14.699	117	329063	10.00	PPBV	0.00
System Monitoring Compounds						
61) 4-BROMOFLUOROBENZENE	16.336	95	130212	4.60	PPBV	0.00
Spiked Amount 5.000	Range 57 - 139		Recovery = 92.00%			
Target Compounds						Qvalue
2) DICHLORODIFLUOROMETHANE	3.595	85	1737546	25.55	PPBV	79
3) PROPYLENE	3.524	41	158202	6.56	PPBV	90
4) FREON 114	3.861	85	1449373	20.99	PPBV #	100
5) CHLOROMETHANE	3.762	50	215217	7.09	PPBV	91
6) VINYL CHLORIDE	3.987	62	239046	9.51	PPBV	75
7) 1,3-BUTADIENE	4.124	39	501052	19.53	PPBV #	100
8) BROMOMETHANE	4.399	94	540071	24.87	PPBV #	100
9) CHLOROETHANE	4.574	64	200260	18.78	PPBV #	100
10) TRICHLOROFLUOROMETHANE	5.393	101	3772787	50.43	PPBV #	100
11) ISOPROPYL ALCOHOL	5.446	45	1112115	23.27	PPBV	97
12) ACETONE	5.187	43	1295210	30.46	PPBV	82
13) PENTANE	5.771	42	646008	27.90	PPBV #	100
14) 1,1-DICHLOROETHYLENE	6.074	96	829949	41.57	PPBV #	18
15) CARBON DISULFIDE	6.525	76	2070929	42.78	PPBV #	49
16) ETHANOL	4.677	45	153177	15.66	PPBV #	100
17) BROMOETHENE	4.945	106	727722	33.06	PPBV #	100
18) METHYLENE CHLORIDE	6.198	84	678503	29.90	PPBV #	1
19) 3-CHLOROPROPENE	6.324	39	1028506	53.03	PPBV #	1
20) FREON 113	6.472	151	2880550	81.72	PPBV #	100
21) TRANS-1,2-DICHLOROETHY...	7.183	96	897677	51.90	PPBV #	100
22) TERTIARY BUTYL ALCOHOL	6.094	59	1346505	31.59	PPBV #	100
23) METHYL TERTIARY BUTYL ...	7.446	73	2135079	53.62	PPBV #	100
24) TETRAHYDROFURAN	8.954	42	537410	21.89	PPBV #	100
25) HEXANE	8.461	57	629668	23.50	PPBV #	100
26) VINYL ACETATE	7.538	43	2107316	47.83	PPBV	92
27) 1,1-DICHLOROETHANE	7.396	63	1527322	43.76	PPBV #	100
28) METHYL ETHYL KETONE	7.796	43	1257602	25.80	PPBV	95
29) cis-1,2-DICHLOROETHYLENE	8.253	96	536997	40.87	PPBV #	100
30) ETHYL ACETATE	8.465	43	1930774	24.23	PPBV	100
31) CHLOROFORM	8.557	83	1552888	42.02	PPBV #	100
32) 1,1,1-TRICHLOROETHANE	9.553	97	1836835	49.35	PPBV	96
33) CARBON TETRACHLORIDE	10.161	117	2222203	54.44	PPBV	97
34) 1,2-DICHLOROETHANE	9.302	62	1090353	36.58	PPBV	99
36) BENZENE	10.014	78	1619573	42.92	PPBV	99
37) CYCLOHEXANE	10.287	84	502688	39.76	PPBV	86
38) TRICHLOROETHYLENE	11.054	95	956995	46.53	PPBV	94
39) 1,2-DICHLOROPROPANE	10.825	63	505699	28.14	PPBV #	76
40) BROMODICHLOROMETHANE	11.017	83	1727874	49.35	PPBV	98
41) 2,2,4-TRIMETHYLPENTANE	11.081	57	2462969	27.95	PPBV #	94
42) 1,4-DIOXANE	11.042	88	294060	42.92	PPBV	84
43) HEPTANE	11.327	43	937861	24.88	PPBV	89

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\
Data File : Q3474.D
Acq On : 21 May 2007 5:28 pm
Operator : PhilipB
Sample : IC189-40 (M060)
Misc : MS13602,MSQ189,,,,,1
ALS Vial : 3 Sample Multiplier: 1

Quant Time: May 22 09:19:01 2007
Quant Method : C:\msdchem\1\METHODS\Q051507T.m
Quant Title : TO15 by GCMS w/DB-1 60 m X .25 mm ID 1.0 um
QLast Update : Tue May 22 09:18:43 2007
Response via : Initial Calibration

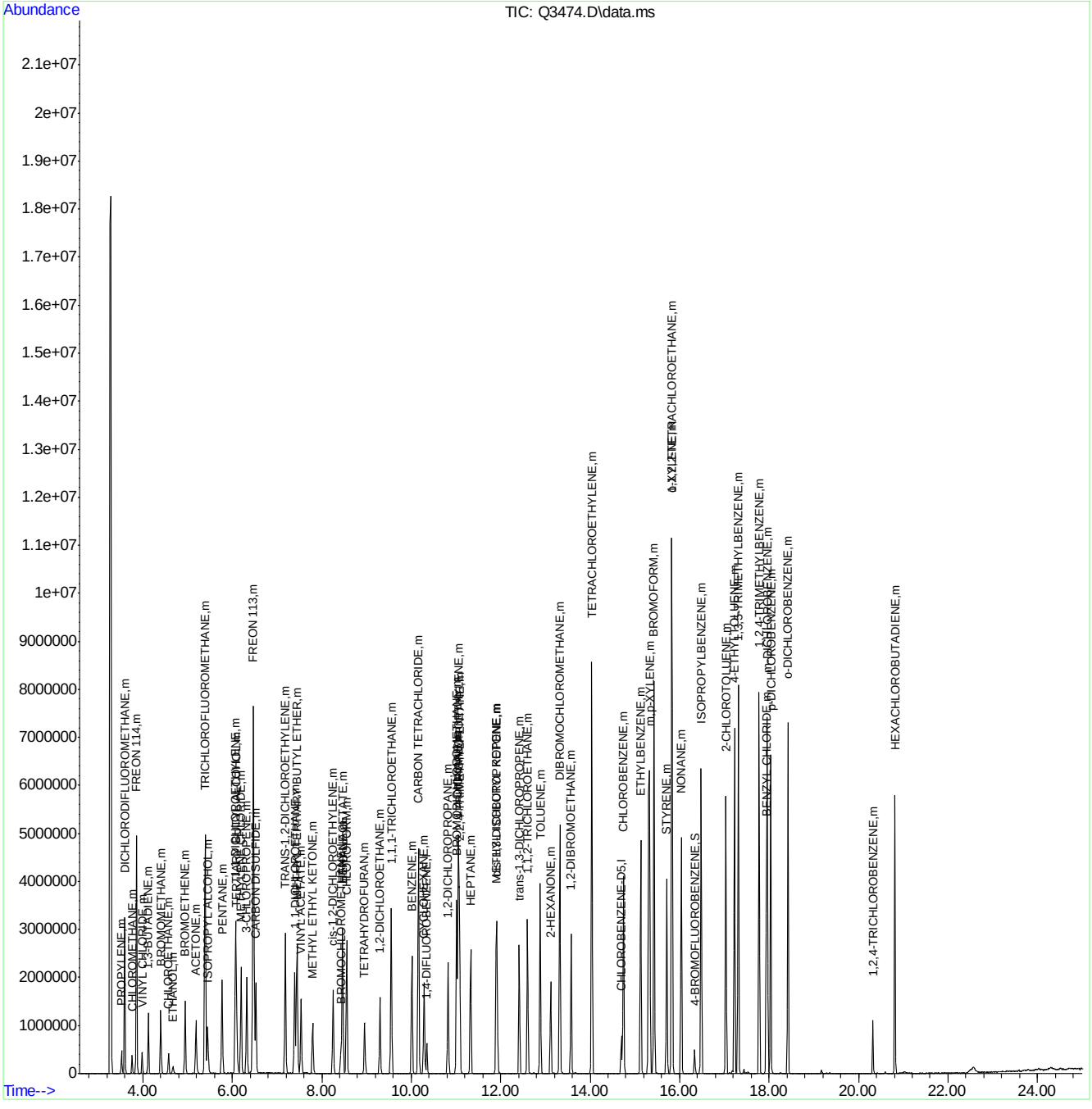
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) METHYL ISOBUTYL KETONE	11.920	43	1498048	27.64	PPBV	95
45) cis-1,3-DICHLOROPROPENE	11.899	75	943855	39.44	PPBV	87
46) TOLUENE	12.886	92	1278572	51.25	PPBV	98
47) trans-1,3-DICHLOROPROPENE	12.417	75	1031995	50.19	PPBV #	99
48) 1,1,2-TRICHLOROETHANE	12.600	83	629189	41.64	PPBV	94
50) 2-HEXANONE	13.120	43	1261616	27.09	PPBV	94
51) TETRACHLOROETHYLENE	14.039	164	1315752	93.85	PPBV	90
52) DIBROMOCHLOROMETHANE	13.324	129	2175635	66.52	PPBV	99
53) 1,2-DIBROMOETHANE	13.576	107	1417194	49.85	PPBV	97
54) CHLOROBENZENE	14.744	112	1625383	46.65	PPBV	99
55) ETHYLBENZENE	15.129	91	2935380	47.99	PPBV	96
56) m,p-XYLENE	15.333	106	2488248m	110.64	PPBV	
57) o-XYLENE	15.834	106	1284521	55.25	PPBV	91
58) STYRENE	15.713	104	1518546	52.18	PPBV	96
59) NONANE	16.039	43	1708218	27.64	PPBV	91
60) BROMOFORM	15.427	173	3088395	120.12	PPBV	99
62) 1,1,2,2-TETRACHLOROETHANE	15.823	83	2152516	52.21	PPBV	97
63) ISOPROPYLBENZENE	16.483	105	3527536	52.27	PPBV	96
64) 2-CHLOROTOLUENE	17.037	91	2553635	48.48	PPBV	94
65) 4-ETHYLTOLUENE	17.227	105	3537030	59.58	PPBV	94
66) 1,3,5-TRIMETHYLBENZENE	17.314	105	3506042	60.95	PPBV	94
67) 1,2,4-TRIMETHYLBENZENE	17.780	105	3325742	61.04	PPBV	93
68) m-DICHLOROBENZENE	17.961	146	2144327	67.28	PPBV	97
69) BENZYL CHLORIDE	17.938	91	2025616	54.63	PPBV	95
70) p-DICHLOROBENZENE	18.036	146	1859914	63.33	PPBV	98
71) o-DICHLOROBENZENE	18.423	146	1946675	68.21	PPBV	100
72) HEXACHLOROBUTADIENE	20.812	225	618217	52.60	PPBV	98
73) 1,2,4-TRICHLOROBENZENE	20.322	180	181305	30.38	PPBV	99

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

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\
Data File : Q3474.D
Acq On : 21 May 2007 5:28 pm
Operator : PhilipB
Sample : IC189-40 (M060)
Misc : MS13602,MSQ189,,,,,1
ALS Vial : 3 Sample Multiplier: 1

Quant Time: May 22 09:19:01 2007
Quant Method : C:\msdchem\1\METHODS\Q051507T.m
Quant Title : TO15 by GCMS w/DB-1 60 m X .25 mm ID 1.0 um
QLast Update : Tue May 22 09:18:43 2007
Response via : Initial Calibration



ACCUTEST Laboratories M65137

Quantitation Report (Qedit)

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Data Path : C:\msdchem\1\DATA\
Data File : Q3474.D
Acq On    : 21 May 2007   5:28 pm
Operator  : PhilipB
Sample    : IC189-40 (M060)
Misc      : MS13602,MSQ189,,,,,1
ALS Vial  : 3   Sample Multiplier: 1

Quant Time: May 22 09:18:49 2007
Quant Method : C:\msdchem\1\METHODS\Q051507T.m
Quant Title  : TO15  by GCMS w/DB-1 60 m X .25 mm ID 1.0 um
QLast Update : Tue May 22 09:18:43 2007
Response via : Initial Calibration
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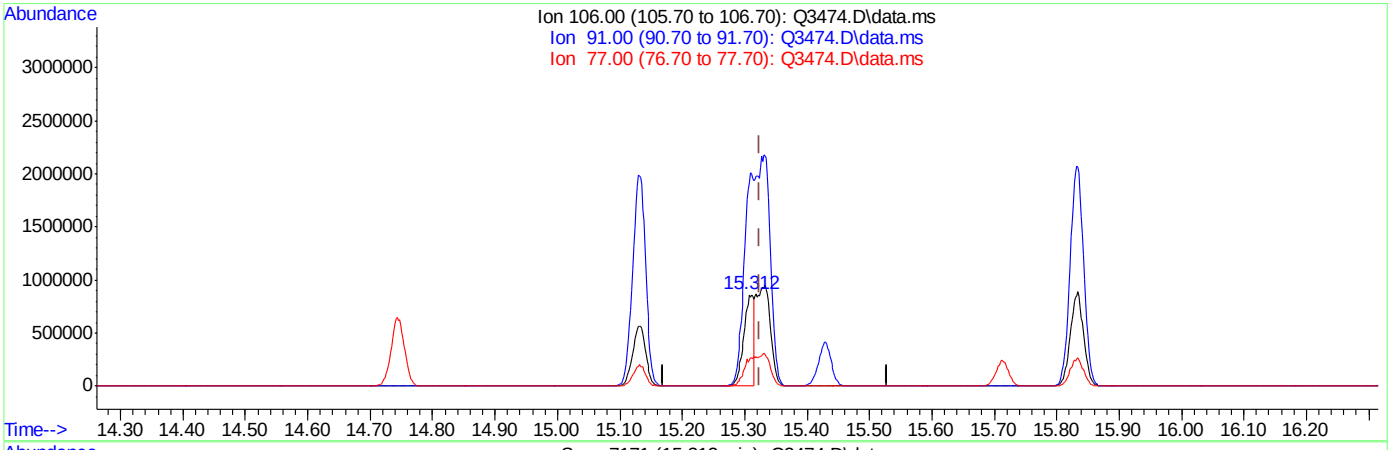

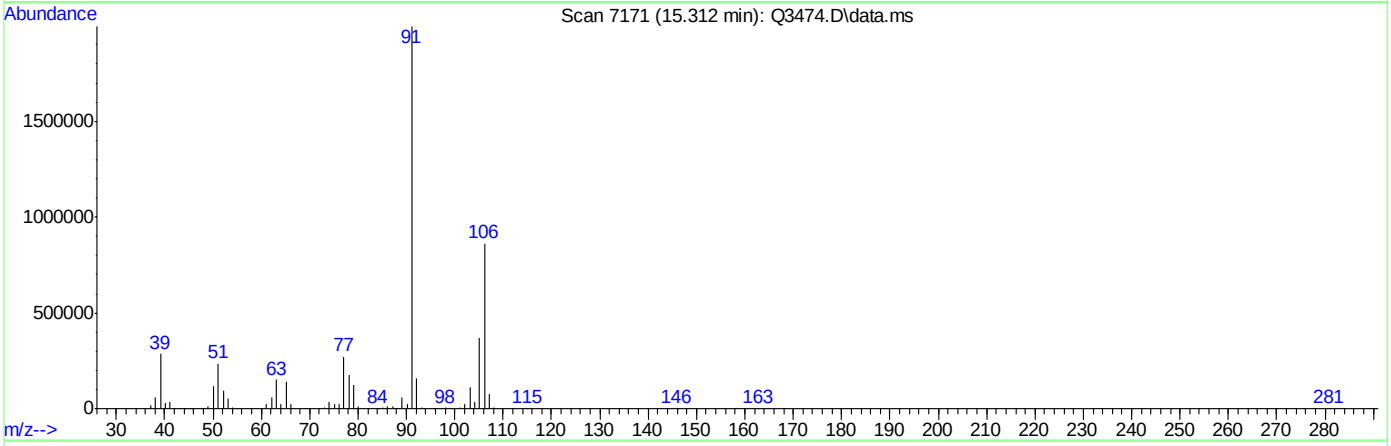

TIC: Q3474.D\data.ms

(56) m,p-XYLENE (m)

15.312min (-0.013) 43.61PPBV

response 980741

Ion	Exp%	Act%
106.00	100	100
91.00	204.20	231.51
77.00	30.60	31.54
0.00	0.00	0.00

ACCUTEST Laboratories M65137

Quantitation Report (Qedit)

```
Data Path : C:\msdchem\1\DATA\
Data File : Q3474.D
Acq On    : 21 May 2007   5:28 pm
Operator  : PhilipB
Sample    : IC189-40 (M060)
Misc      : MS13602,MSQ189,,,,,1
ALS Vial  : 3   Sample Multiplier: 1

Quant Time: May 22 09:18:49 2007
Quant Method : C:\msdchem\1\METHODS\Q051507T.m
Quant Title  : TO15  by GCMS w/DB-1 60 m X .25 mm ID 1.0 um
QLast Update : Tue May 22 09:18:43 2007
Response via : Initial Calibration
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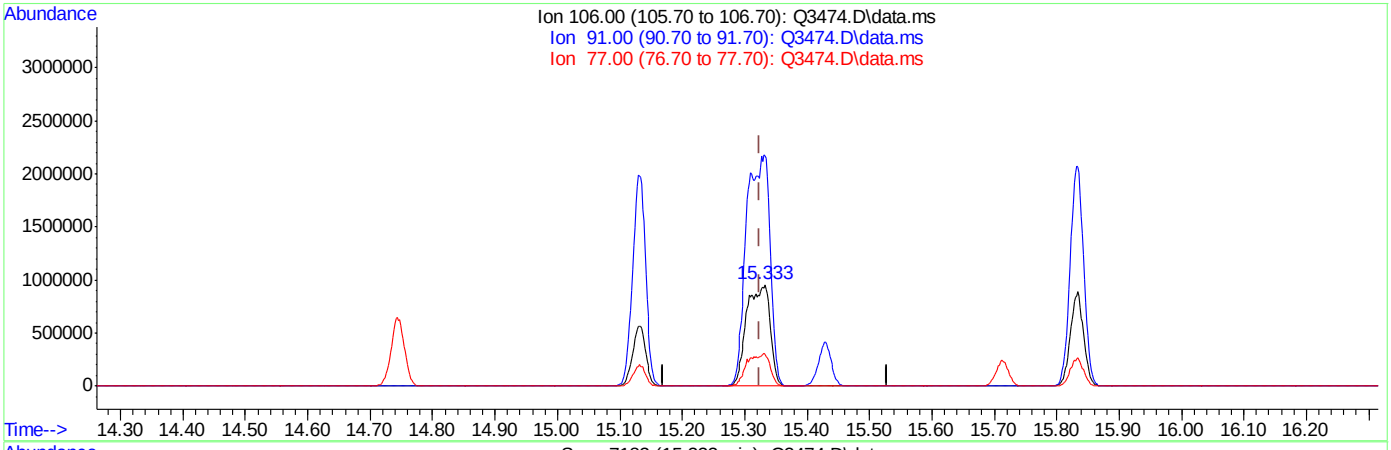
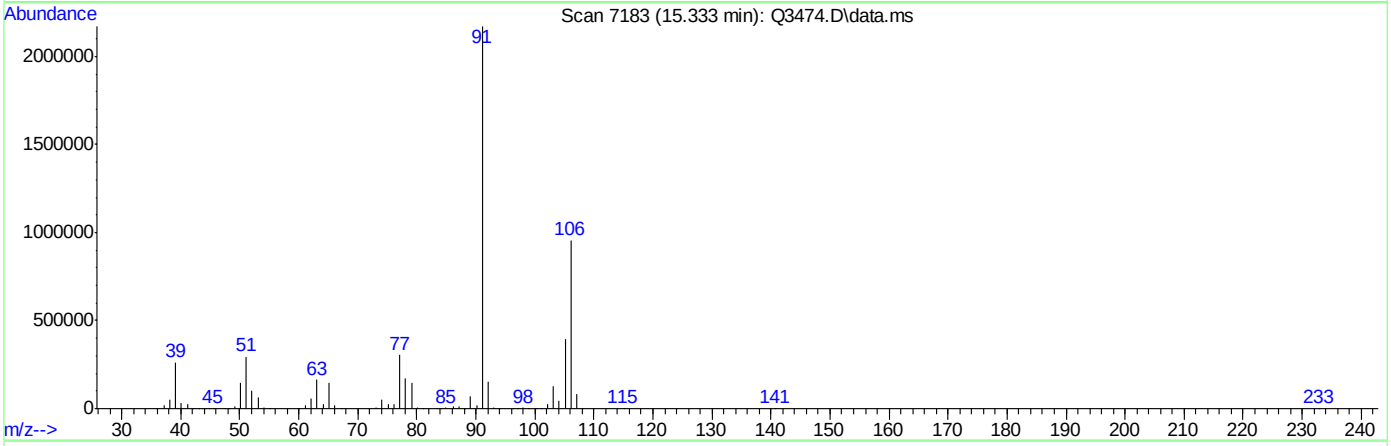




TIC: Q3474.D\data.ms

(56) m,p-XYLENE (m)

15.333min (+0.009) 110.64PPBV m

response 2488248

Ion	Exp%	Act%
106.00	100	100
91.00	204.20	227.27
77.00	30.60	31.75
0.00	0.00	0.00

ACCUTEST Laboratories M65137

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\
Data File : Q3475.D
Acq On : 21 May 2007 6:09 pm
Operator : PhilipB
Sample : IC189-20 (M060)
Misc : MS13602,MSQ189,,,,,1
ALS Vial : 3 Sample Multiplier: 1

Quant Time: May 22 09:19:26 2007
Quant Method : C:\msdchem\1\METHODS\Q051507T.m
Quant Title : TO15 by GCMS w/DB-1 60 m X .25 mm ID 1.0 um
QLast Update : Tue May 22 09:19:22 2007
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) BROMOCHLOROMETHANE	8.431	128	79073	10.00	PPBV	0.00
35) 1,4-DIFLUOROBENZENE	10.350	114	373198	10.00	PPBV	0.00
49) CHLOROBENZENE-D5	14.696	117	314580	10.00	PPBV	0.00
System Monitoring Compounds						
61) 4-BROMOFLUOROBENZENE	16.334	95	126115	5.07	PPBV	0.00
Spiked Amount 5.000	Range 57 - 139		Recovery = 101.40%			
Target Compounds						Qvalue
2) DICHLORODIFLUOROMETHANE	3.604	85	1559397	36.99	PPBV	82
3) PROPYLENE	3.529	41	258374	67.31	PPBV	94
4) FREON 114	3.866	85	1442257	41.01	PPBV #	100
5) CHLOROMETHANE	3.767	50	327897	62.79	PPBV	96
6) VINYL CHLORIDE	3.991	62	337616	58.21	PPBV	75
7) 1,3-BUTADIENE	4.129	39	361004	29.69	PPBV #	100
8) BROMOMETHANE	4.408	94	388085	29.61	PPBV #	100
9) CHLOROETHANE	4.582	64	140801	28.98	PPBV #	100
10) TRICHLOROFLUOROMETHANE	5.400	101	2347346	25.64	PPBV #	100
11) ISOPROPYL ALCOHOL	5.451	45	651720	24.15	PPBV	93
12) ACETONE	5.198	43	729597	23.21	PPBV	81
13) PENTANE	5.774	42	376333	24.01	PPBV #	100
14) 1,1-DICHLOROETHYLENE	6.078	96	496247	24.64	PPBV #	23
15) CARBON DISULFIDE	6.532	76	1177531	23.43	PPBV #	51
16) ETHANOL	4.683	45	112171	30.18	PPBV #	100
17) BROMOETHENE	4.953	106	409353	23.18	PPBV #	100
18) METHYLENE CHLORIDE	6.204	84	406963	24.72	PPBV #	1
19) 3-CHLOROPROPENE	6.328	39	586065	23.48	PPBV #	1
20) FREON 113	6.477	151	1598642	22.87	PPBV #	100
21) TRANS-1,2-DICHLOROETHY...	7.191	96	493448	22.65	PPBV #	100
22) TERTIARY BUTYL ALCOHOL	6.097	59	910285	27.86	PPBV #	100
23) METHYL TERTIARY BUTYL ...	7.451	73	1142149	22.05	PPBV #	100
24) TETRAHYDROFURAN	8.960	42	275430	21.12	PPBV #	100
25) HEXANE	8.465	57	313897	20.54	PPBV #	100
26) VINYL ACETATE	7.542	43	1069665	20.92	PPBV	89
27) 1,1-DICHLOROETHANE	7.400	63	845256	22.81	PPBV #	100
28) METHYL ETHYL KETONE	7.798	43	571821	18.74	PPBV	96
29) cis-1,2-DICHLOROETHYLENE	8.254	96	257945	19.80	PPBV #	100
30) ETHYL ACETATE	8.468	43	942228	20.11	PPBV	100
31) CHLOROFORM	8.557	83	728051	19.32	PPBV #	100
32) 1,1,1-TRICHLOROETHANE	9.556	97	849362	19.06	PPBV	95
33) CARBON TETRACHLORIDE	10.165	117	1031273	19.13	PPBV	99
34) 1,2-DICHLOROETHANE	9.303	62	489626	18.51	PPBV	99
36) BENZENE	10.018	78	709427	17.05	PPBV	98
37) CYCLOHEXANE	10.288	84	247559	19.17	PPBV #	84
38) TRICHLOROETHYLENE	11.054	95	438116	17.82	PPBV	92
39) 1,2-DICHLOROPROPANE	10.824	63	244313	18.80	PPBV #	76
40) BROMODICHLOROMETHANE	11.015	83	784707	17.68	PPBV	98
41) 2,2,4-TRIMETHYLPENTANE	11.079	57	1130562	17.87	PPBV #	92
42) 1,4-DIOXANE	11.042	88	136874	18.12	PPBV	88
43) HEPTANE	11.329	43	446259	18.52	PPBV	87

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\
Data File : Q3475.D
Acq On : 21 May 2007 6:09 pm
Operator : PhilipB
Sample : IC189-20 (M060)
Misc : MS13602,MSQ189,,,,,1
ALS Vial : 3 Sample Multiplier: 1

Quant Time: May 22 09:19:26 2007
Quant Method : C:\msdchem\1\METHODS\Q051507T.m
Quant Title : TO15 by GCMS w/DB-1 60 m X .25 mm ID 1.0 um
QLast Update : Tue May 22 09:19:22 2007
Response via : Initial Calibration

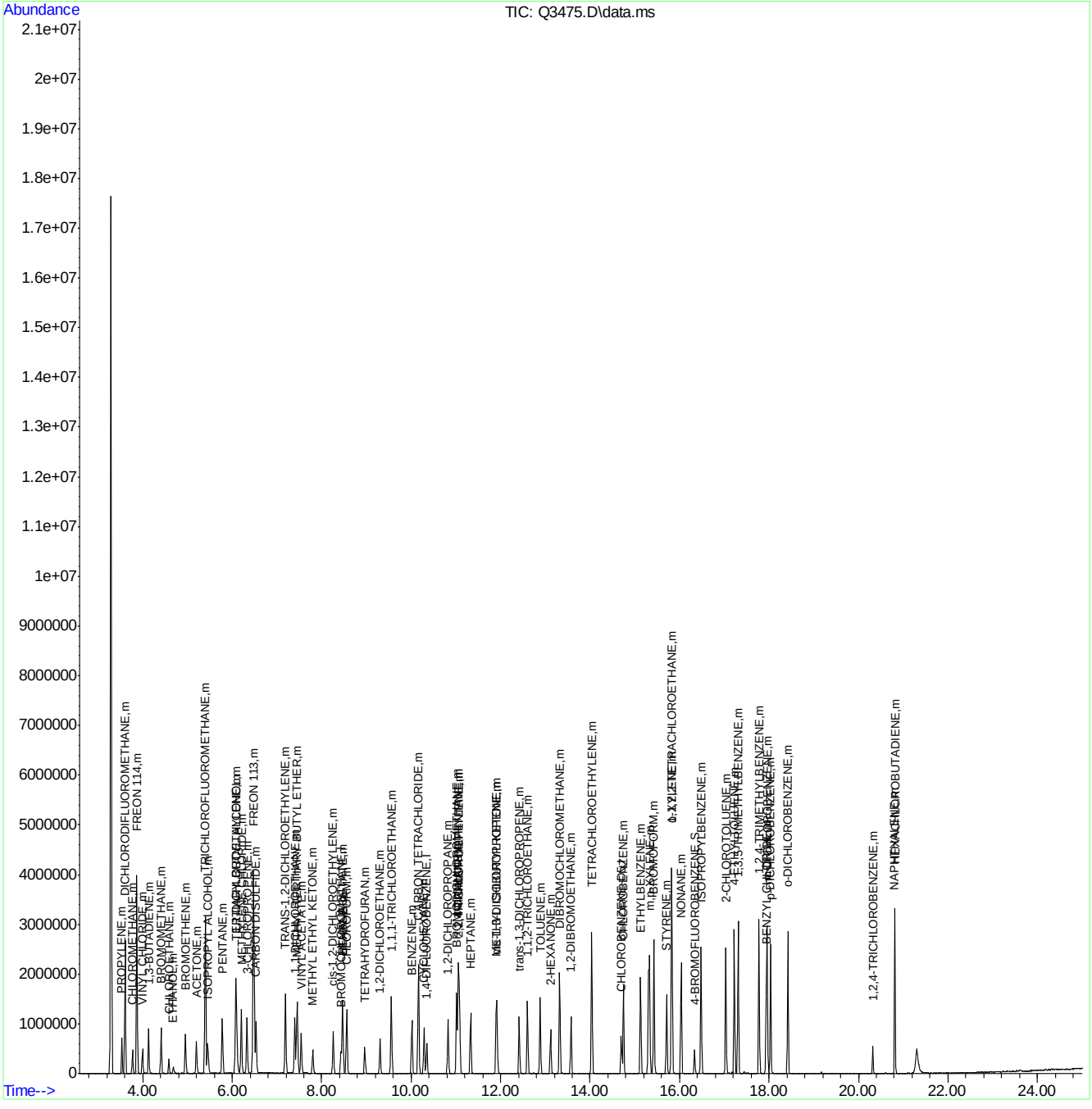
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) METHYL ISOBUTYL KETONE	11.919	43	711054	18.47	PPBV	94
45) cis-1,3-DICHLOROPROPENE	11.897	75	414510	17.09	PPBV #	85
46) TOLUENE	12.886	92	513007	15.62	PPBV	98
47) trans-1,3-DICHLOROPROPENE	12.412	75	423786	15.98	PPBV #	100
48) 1,1,2-TRICHLOROETHANE	12.600	83	300320	18.58	PPBV	93
50) 2-HEXANONE	13.117	43	592008	19.63	PPBV	94
51) TETRACHLOROETHYLENE	14.038	164	438134	13.93	PPBV	98
52) DIBROMOCHLOROMETHANE	13.321	129	857681	16.49	PPBV	99
53) 1,2-DIBROMOETHANE	13.573	107	589246	17.40	PPBV	97
54) CHLOROBENZENE	14.742	112	745379	19.19	PPBV	99
55) ETHYLBENZENE	15.131	91	1247122	17.78	PPBV	96
56) m,p-XYLENE	15.326	106	962628	32.37	PPBV	95
57) o-XYLENE	15.830	106	497476	16.20	PPBV	92
58) STYRENE	15.713	104	638810	17.60	PPBV	97
59) NONANE	16.034	43	792542	19.41	PPBV	92
60) BROMOFORM	15.424	173	1007947	13.66	PPBV	98
62) 1,1,2,2-TETRACHLOROETHANE	15.821	83	839883	16.33	PPBV	97
63) ISOPROPYLBENZENE	16.482	105	1430951	16.97	PPBV	96
64) 2-CHLOROTOLUENE	17.033	91	1106244	18.13	PPBV	94
65) 4-ETHYLTOLUENE	17.223	105	1412515	16.71	PPBV	95
66) 1,3,5-TRIMETHYLBENZENE	17.309	105	1365266	16.29	PPBV	94
67) 1,2,4-TRIMETHYLBENZENE	17.775	105	1294677	16.29	PPBV	94
68) m-DICHLOROBENZENE	17.958	146	801845	15.65	PPBV	97
69) BENZYL CHLORIDE	17.935	91	825491	17.05	PPBV	95
70) p-DICHLOROBENZENE	18.033	146	699538	15.74	PPBV	99
71) o-DICHLOROBENZENE	18.420	146	751956	16.16	PPBV	98
72) HEXACHLOROBUTADIENE	20.814	225	341350	23.10	PPBV	97
73) 1,2,4-TRICHLOROBENZENE	20.320	180	86631	19.99	PPBV	97
74) NAPHTHALENE	20.800	128	159	120.96	PPBV #	1

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

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\
Data File : Q3475.D
Acq On : 21 May 2007 6:09 pm
Operator : PhilipB
Sample : IC189-20 (M060)
Misc : MS13602,MSQ189,,,,,1
ALS Vial : 3 Sample Multiplier: 1

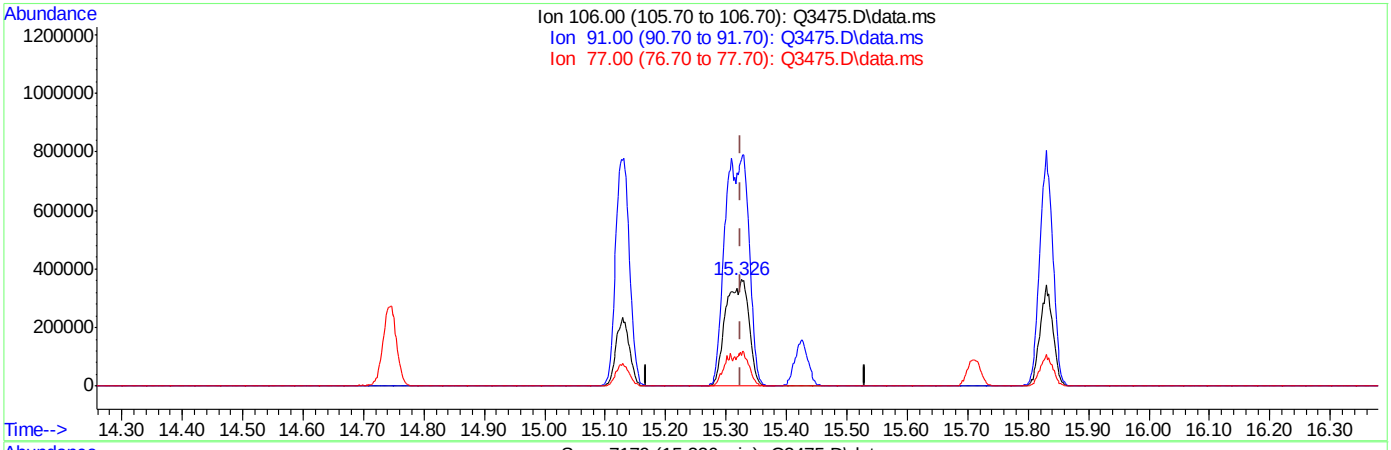
Quant Time: May 22 09:19:26 2007
Quant Method : C:\msdchem\1\METHODS\Q051507T.m
Quant Title : TO15 by GCMS w/DB-1 60 m X .25 mm ID 1.0 um
QLast Update : Tue May 22 09:19:22 2007
Response via : Initial Calibration

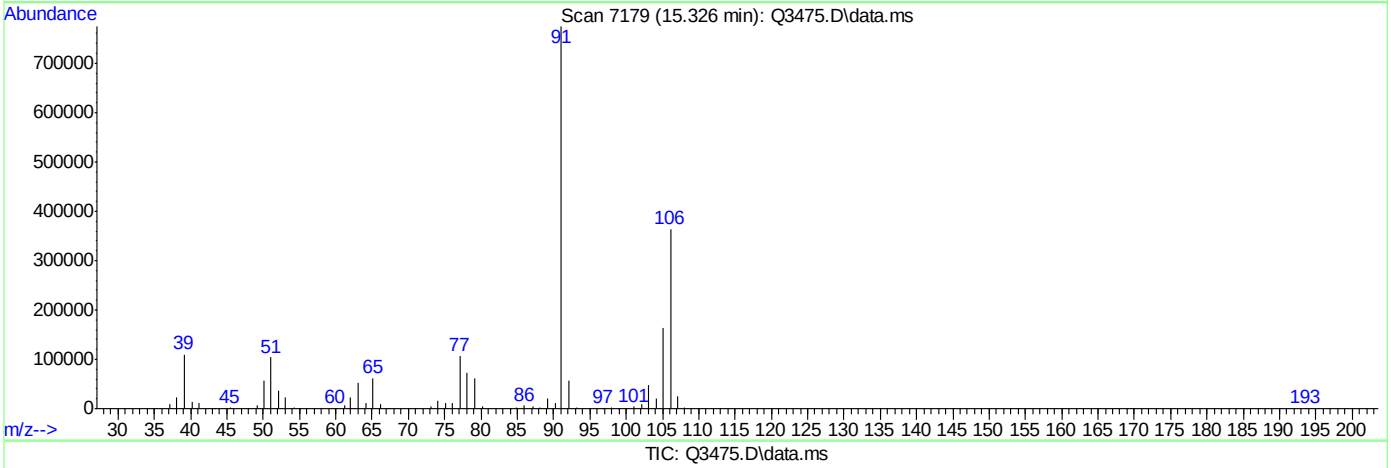


Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\
Data File : Q3475.D
Acq On : 21 May 2007 6:09 pm
Operator : PhilipB
Sample : IC189-20 (M060)
Misc : MS13602,MSQ189,,,,,1
ALS Vial : 3 Sample Multiplier: 1

Quant Time: May 22 09:19:26 2007
Quant Method : C:\msdchem\1\METHODS\Q051507T.m
Quant Title : TO15 by GCMS w/DB-1 60 m X .25 mm ID 1.0 um
QLast Update : Tue May 22 09:19:22 2007
Response via : Initial Calibration





TIC: Q3475.D\data.ms

(56) m,p-XYLENE (m)

15.326min (+0.002) 32.37PPBV

response 962628

Ion	Exp%	Act%
106.00	100	100
91.00	204.20	212.69
77.00	30.60	29.11
0.00	0.00	0.00

ACCUTEST Laboratories M65137

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\
Data File : Q3476.D
Acq On : 21 May 2007 6:52 pm
Operator : PhilipB
Sample : ICC189-10 (M060)
Misc : MS13602,MSQ189,,,,,1
ALS Vial : 3 Sample Multiplier: 1

Quant Time: May 22 09:20:19 2007
Quant Method : C:\msdchem\1\METHODS\Q051507T.m
Quant Title : TO15 by GCMS w/DB-1 60 m X .25 mm ID 1.0 um
QLast Update : Tue May 22 09:19:48 2007
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) BROMOCHLOROMETHANE	8.429	128	78900	10.00	PPBV	0.00
35) 1,4-DIFLUOROBENZENE	10.348	114	358303	10.00	PPBV	0.00
49) CHLOROBENZENE-D5	14.696	117	293813	10.00	PPBV	0.00

System Monitoring Compounds

61) 4-BROMOFLUOROBENZENE	16.334	95	121552	5.19	PPBV	0.00

Spiked Amount 5.000 Range 57 - 139 Recovery = 103.80%

Target Compounds						Qvalue
2) DICHLORODIFLUOROMETHANE	3.604	85	721438	12.04	PPBV	81
3) PROPYLENE	3.533	41	99375	11.89	PPBV	92
4) FREON 114	3.866	85	629762	11.77	PPBV #	100
5) CHLOROMETHANE	3.772	50	145411	13.48	PPBV	97
6) VINYL CHLORIDE	3.992	62	148255	13.10	PPBV	74
7) 1,3-BUTADIENE	4.133	39	161652	10.73	PPBV #	100
8) BROMOMETHANE	4.409	94	164440	10.14	PPBV #	100
9) CHLOROETHANE	4.582	64	60940	10.27	PPBV #	100
10) TRICHLOROFLUOROMETHANE	5.400	101	894899	8.59	PPBV #	100
11) ISOPROPYL ALCOHOL	5.451	45	290379	9.77	PPBV	90
12) ACETONE	5.197	43	331152	9.77	PPBV	82
13) PENTANE	5.781	42	153804	8.94	PPBV #	100
14) 1,1-DICHLOROETHYLENE	6.076	96	199409	8.89	PPBV #	19
15) CARBON DISULFIDE	6.532	76	531375	9.76	PPBV #	50
16) ETHANOL	4.681	45	41309	8.88	PPBV #	100
17) BROMOETHENE	4.952	106	173903	9.14	PPBV #	100
18) METHYLENE CHLORIDE	6.202	84	180867	9.85	PPBV #	1
19) 3-CHLOROPROPENE	6.326	39	256567	9.48	PPBV #	6
20) FREON 113	6.475	151	677252	9.06	PPBV #	100
21) TRANS-1,2-DICHLOROETHY...	7.185	96	233666	10.08	PPBV #	100
22) TERTIARY BUTYL ALCOHOL	6.092	59	374431	9.60	PPBV #	100
23) METHYL TERTIARY BUTYL ...	7.451	73	534445	9.84	PPBV #	100
24) TETRAHYDROFURAN	8.958	42	118484	8.86	PPBV #	100
25) HEXANE	8.459	57	136909	8.86	PPBV #	100
26) VINYL ACETATE	7.540	43	491010	9.41	PPBV	89
27) 1,1-DICHLOROETHANE	7.400	63	386735	9.77	PPBV #	100
28) METHYL ETHYL KETONE	7.797	43	261807	8.88	PPBV	98
29) cis-1,2-DICHLOROETHYLENE	8.257	96	113182	8.75	PPBV #	100
30) ETHYL ACETATE	8.467	43	411667	8.78	PPBV	100
31) CHLOROFORM	8.555	83	324558	8.78	PPBV #	100
32) 1,1,1-TRICHLOROETHANE	9.554	97	361416	8.32	PPBV	95
33) CARBON TETRACHLORIDE	10.163	117	463699	8.81	PPBV	97
34) 1,2-DICHLOROETHANE	9.301	62	225316	8.87	PPBV	97
36) BENZENE	10.012	78	292630	7.91	PPBV	99
37) CYCLOHEXANE	10.289	84	113567	9.35	PPBV	85
38) TRICHLOROETHYLENE	11.051	95	181382	8.13	PPBV	91
39) 1,2-DICHLOROPROPANE	10.823	63	108393	8.96	PPBV #	78
40) BROMODICHLOROMETHANE	11.012	83	339259	8.45	PPBV	99
41) 2,2,4-TRIMETHYLPENTANE	11.079	57	469659	8.17	PPBV	94
42) 1,4-DIOXANE	11.045	88	54665	7.91	PPBV #	71
43) HEPTANE	11.326	43	198075	8.89	PPBV	87

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\
Data File : Q3476.D
Acq On : 21 May 2007 6:52 pm
Operator : PhilipB
Sample : ICC189-10 (M060)
Misc : MS13602,MSQ189,,,,,1
ALS Vial : 3 Sample Multiplier: 1

Quant Time: May 22 09:20:19 2007
Quant Method : C:\msdchem\1\METHODS\Q051507T.m
Quant Title : TO15 by GCMS w/DB-1 60 m X .25 mm ID 1.0 um
QLast Update : Tue May 22 09:19:48 2007
Response via : Initial Calibration

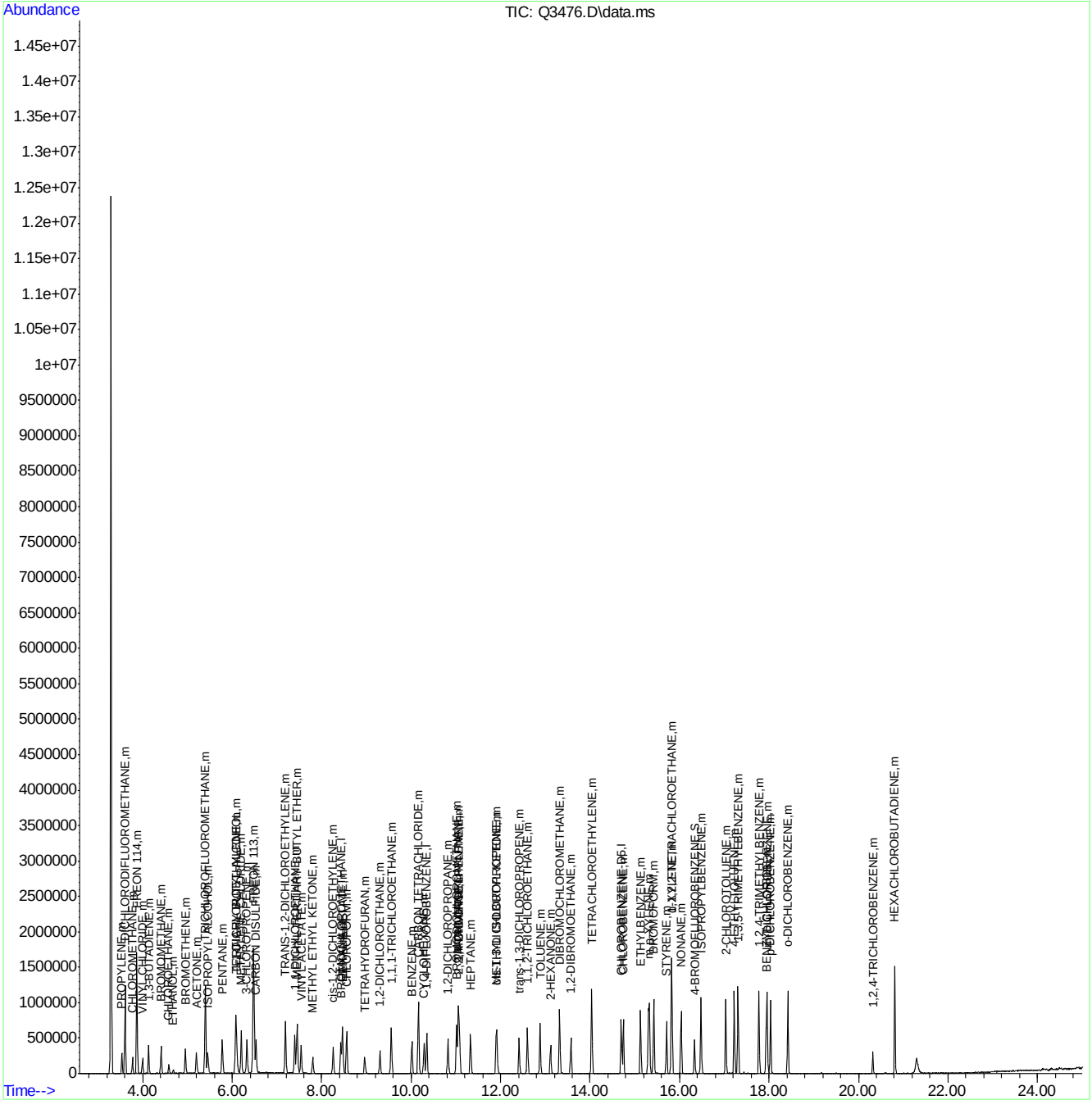
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) METHYL ISOBUTYL KETONE	11.917	43	294596	8.29	PPBV	93
45) cis-1,3-DICHLOROPROPENE	11.897	75	168271	7.79	PPBV #	81
46) TOLUENE	12.882	92	222443	7.92	PPBV	98
47) trans-1,3-DICHLOROPROPENE	12.415	75	174032	7.60	PPBV #	99
48) 1,1,2-TRICHLOROETHANE	12.602	83	129318	8.64	PPBV	92
50) 2-HEXANONE	13.115	43	249732	8.95	PPBV	93
51) TETRACHLOROETHYLENE	14.036	164	168271	6.75	PPBV	98
52) DIBROMOCHLOROMETHANE	13.317	129	369635	8.34	PPBV	99
53) 1,2-DIBROMOETHANE	13.573	107	246938	8.35	PPBV	96
54) CHLOROBENZENE	14.742	112	295273	8.31	PPBV	99
55) ETHYLBENZENE	15.125	91	534302	8.63	PPBV	96
56) m,p-XYLENE	15.326	106	403255	16.05	PPBV	88
57) o-XYLENE	15.830	106	196577	7.57	PPBV	89
58) STYRENE	15.708	104	270170	8.48	PPBV	98
59) NONANE	16.032	43	318479	8.48	PPBV	90
60) BROMOFORM	15.424	173	387084	6.67	PPBV	99
62) 1,1,2,2-TETRACHLOROETHANE	15.814	83	351981	8.07	PPBV	97
63) ISOPROPYLBENZENE	16.478	105	599244	8.23	PPBV	97
64) 2-CHLOROTOLUENE	17.032	91	440419	8.11	PPBV	93
65) 4-ETHYLTOLUENE	17.223	105	569587	7.86	PPBV	95
66) 1,3,5-TRIMETHYLBENZENE	17.308	105	568927	8.01	PPBV	93
67) 1,2,4-TRIMETHYLBENZENE	17.773	105	494695	7.35	PPBV	93
68) m-DICHLOROBENZENE	17.956	146	307003	7.20	PPBV	96
69) BENZYL CHLORIDE	17.937	91	333160	7.95	PPBV	94
70) p-DICHLOROBENZENE	18.029	146	281636	7.59	PPBV	97
71) o-DICHLOROBENZENE	18.419	146	294740	7.50	PPBV	97
72) HEXACHLOROBUTADIENE	20.810	225	155576	10.46	PPBV	97
73) 1,2,4-TRICHLOROBENZENE	20.324	180	50143	12.39	PPBV	99

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

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\
Data File : Q3476.D
Acq On : 21 May 2007 6:52 pm
Operator : PhilipB
Sample : ICC189-10 (M060)
Misc : MS13602,MSQ189,,,,,1
ALS Vial : 3 Sample Multiplier: 1

Quant Time: May 22 09:20:19 2007
Quant Method : C:\msdchem\1\METHODS\Q051507T.m
Quant Title : TO15 by GCMS w/DB-1 60 m X .25 mm ID 1.0 um
QLast Update : Tue May 22 09:19:48 2007
Response via : Initial Calibration



Manual Integrations APPROVED (compounds with "m" flag)
Doug Yargeau 05/23/07 16:02

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\
Data File : Q3477.D
Acq On : 21 May 2007 7:34 pm
Operator : PhilipB
Sample : IC189-5 (M060)
Misc : MS13602,MSQ189,,,,,1
ALS Vial : 3 Sample Multiplier: 1

Quant Time: May 22 09:20:55 2007
Quant Method : C:\msdchem\1\METHODS\Q051507T.m
Quant Title : TO15 by GCMS w/DB-1 60 m X .25 mm ID 1.0 um
QLast Update : Tue May 22 09:20:32 2007
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) BROMOCHLOROMETHANE	8.428	128	71655	10.00	PPBV	0.00
35) 1,4-DIFLUOROBENZENE	10.346	114	344891	10.00	PPBV	0.00
49) CHLOROBENZENE-D5	14.693	117	288502	10.00	PPBV	0.00

System Monitoring Compounds

61) 4-BROMOFLUOROBENZENE	16.332	95	114436	4.92	PPBV	0.00

Spiked Amount 5.000 Range 57 - 139 Recovery = 98.40%

Target Compounds						Qvalue
2) DICHLORODIFLUOROMETHANE	3.604	85	245293	4.22	PPBV	81
3) PROPYLENE	3.536	41	36629	4.54	PPBV	89
4) FREON 114	3.868	85	217095	4.22	PPBV #	100
5) CHLOROMETHANE	3.772	50	50162	4.59	PPBV	96
6) VINYL CHLORIDE	3.991	62	53620	4.73	PPBV	73
7) 1,3-BUTADIENE	4.129	39	62303	4.44	PPBV #	100
8) BROMOMETHANE	4.406	94	60570	4.09	PPBV #	100
9) CHLOROETHANE	4.583	64	24781	4.56	PPBV #	100
10) TRICHLOROFLUOROMETHANE	5.400	101	337651	3.74	PPBV #	100
11) ISOPROPYL ALCOHOL	5.453	45	107240	4.00	PPBV	92
12) ACETONE	5.199	43	122916	4.03	PPBV	81
13) PENTANE	5.780	42	62746	4.16	PPBV #	100
14) 1,1-DICHLOROETHYLENE	6.078	96	79268	4.04	PPBV #	14
15) CARBON DISULFIDE	6.534	76	211918	4.32	PPBV #	44
16) ETHANOL	4.679	45	17451	4.29	PPBV #	100
17) BROMOETHENE	4.960	106	64711	3.86	PPBV #	100
18) METHYLENE CHLORIDE	6.199	84	73619	4.44	PPBV #	1
19) 3-CHLOROPROPENE	6.332	39	105270	4.36	PPBV #	6
20) FREON 113	6.474	151	255965	3.89	PPBV #	100
21) TRANS-1,2-DICHLOROETHY...	7.187	96	89475	4.24	PPBV #	100
22) TERTIARY BUTYL ALCOHOL	6.097	59	161340	4.62	PPBV #	100
23) METHYL TERTIARY BUTYL ...	7.452	73	190679	3.89	PPBV #	100
24) TETRAHYDROFURAN	8.962	42	49525	4.24	PPBV #	100
25) HEXANE	8.467	57	53908	3.99	PPBV #	100
26) VINYL ACETATE	7.542	43	121855	2.62	PPBV	84
27) 1,1-DICHLOROETHANE	7.400	63	158780	4.45	PPBV #	100
28) METHYL ETHYL KETONE	7.799	43	104548	4.06	PPBV	93
29) cis-1,2-DICHLOROETHYLENE	8.257	96	42998	3.82	PPBV #	100
30) ETHYL ACETATE	8.468	43	174232	4.27	PPBV	100
31) CHLOROFORM	8.555	83	138848	4.31	PPBV #	100
32) 1,1,1-TRICHLOROETHANE	9.555	97	159262	4.28	PPBV	95
33) CARBON TETRACHLORIDE	10.162	117	185359	4.04	PPBV	94
34) 1,2-DICHLOROETHANE	9.299	62	101731	4.58	PPBV	97
36) BENZENE	10.020	78	121788	3.68	PPBV	97
37) CYCLOHEXANE	10.288	84	42095	3.68	PPBV #	80
38) TRICHLOROETHYLENE	11.056	95	73442	3.65	PPBV #	85
39) 1,2-DICHLOROPROPANE	10.818	63	45081	4.01	PPBV #	79
40) BROMODICHLOROMETHANE	11.013	83	147182	4.02	PPBV	100
41) 2,2,4-TRIMETHYLPENTANE	11.077	57	195472	3.76	PPBV	93
42) 1,4-DIOXANE	11.042	88	22945	3.71	PPBV	90
43) HEPTANE	11.328	43	79535	3.85	PPBV	88

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\
Data File : Q3477.D
Acq On : 21 May 2007 7:34 pm
Operator : PhilipB
Sample : IC189-5 (M060)
Misc : MS13602,MSQ189,,,,,1
ALS Vial : 3 Sample Multiplier: 1

Quant Time: May 22 09:20:55 2007
Quant Method : C:\msdchem\1\METHODS\Q051507T.m
Quant Title : TO15 by GCMS w/DB-1 60 m X .25 mm ID 1.0 um
QLast Update : Tue May 22 09:20:32 2007
Response via : Initial Calibration

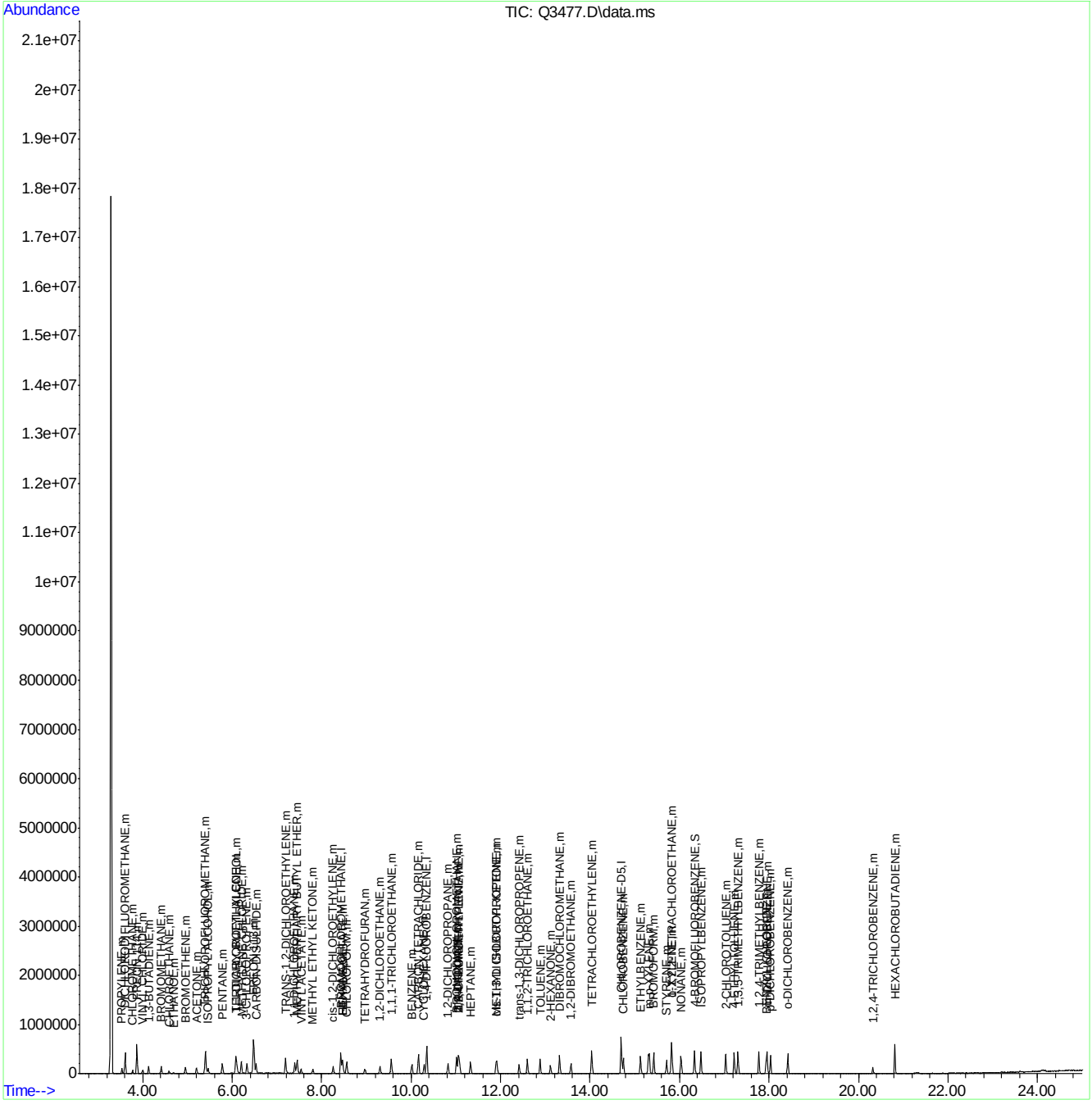
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) METHYL ISOBUTYL KETONE	11.920	43	127366	3.95	PPBV	88
45) cis-1,3-DICHLOROPROPENE	11.897	75	69377	3.60	PPBV #	80
46) TOLUENE	12.882	92	88562	3.52	PPBV	99
47) trans-1,3-DICHLOROPROPENE	12.412	75	70536	3.48	PPBV #	97
48) 1,1,2-TRICHLOROETHANE	12.598	83	57410	4.17	PPBV	91
50) 2-HEXANONE	13.115	43	99775	3.77	PPBV	91
51) TETRACHLOROETHYLENE	14.034	164	64035	2.94	PPBV	97
52) DIBROMOCHLOROMETHANE	13.319	129	144811	3.52	PPBV	99
53) 1,2-DIBROMOETHANE	13.569	107	95567	3.48	PPBV	98
54) CHLOROBENZENE	14.740	112	125282	3.80	PPBV	96
55) ETHYLBENZENE	15.127	91	208103	3.59	PPBV	96
56) m,p-XYLENE	15.316	106	159238m	6.91	PPBV	
57) o-XYLENE	15.830	106	72845	3.11	PPBV #	85
58) STYRENE	15.710	104	98228	3.31	PPBV	95
59) NONANE	16.034	43	128276	3.66	PPBV	87
60) BROMOFORM	15.418	173	145025	2.86	PPBV	98
62) 1,1,2,2-TETRACHLOROETHANE	15.818	83	134474	3.35	PPBV	97
63) ISOPROPYLBENZENE	16.482	105	234946	3.49	PPBV	96
64) 2-CHLOROTOLUENE	17.030	91	170971	3.42	PPBV	90
65) 4-ETHYLTOLUENE	17.225	105	217480	3.29	PPBV	92
66) 1,3,5-TRIMETHYLBENZENE	17.307	105	199770	3.07	PPBV	93
67) 1,2,4-TRIMETHYLBENZENE	17.772	105	186155	3.09	PPBV	93
68) m-DICHLOROBENZENE	17.956	146	117436	3.09	PPBV	96
69) BENZYL CHLORIDE	17.935	91	126976	3.31	PPBV	95
70) p-DICHLOROBENZENE	18.029	146	100716	3.01	PPBV	94
71) o-DICHLOROBENZENE	18.418	146	110417	3.12	PPBV	97
72) HEXACHLOROBUTADIENE	20.812	225	58598	3.95	PPBV	98
73) 1,2,4-TRICHLOROBENZENE	20.326	180	23068	5.38	PPBV	97

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

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\
Data File : Q3477.D
Acq On : 21 May 2007 7:34 pm
Operator : PhilipB
Sample : IC189-5 (M060)
Misc : MS13602,MSQ189,,,,,1
ALS Vial : 3 Sample Multiplier: 1

Quant Time: May 22 09:20:55 2007
Quant Method : C:\msdchem\1\METHODS\Q051507T.m
Quant Title : TO15 by GCMS w/DB-1 60 m X .25 mm ID 1.0 um
QLast Update : Tue May 22 09:20:32 2007
Response via : Initial Calibration

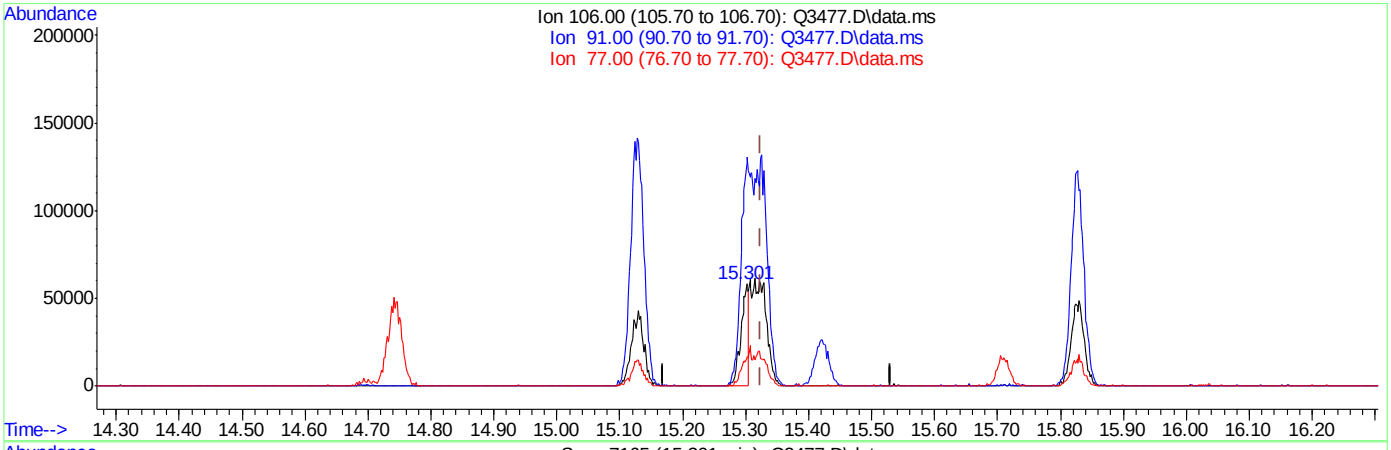


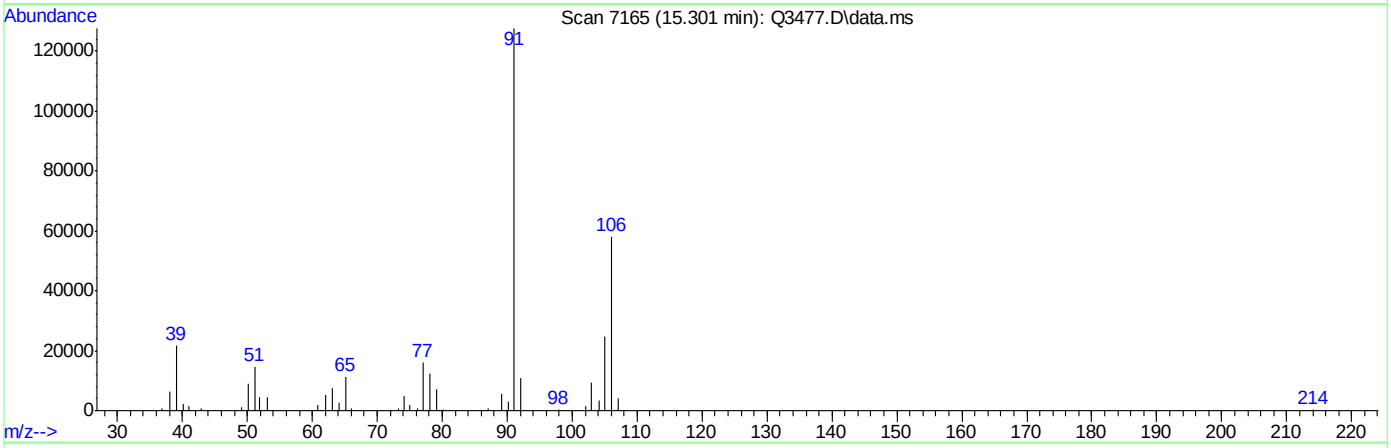
ACCUTEST Laboratories M65137

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\
Data File : Q3477.D
Acq On : 21 May 2007 7:34 pm
Operator : PhilipB
Sample : IC189-5 (M060)
Misc : MS13602,MSQ189,,,,,1
ALS Vial : 3 Sample Multiplier: 1

Quant Time: May 22 09:20:39 2007
Quant Method : C:\msdchem\1\METHODS\Q051507T.m
Quant Title : TO15 by GCMS w/DB-1 60 m X .25 mm ID 1.0 um
QLast Update : Tue May 22 09:20:32 2007
Response via : Initial Calibration





TIC: Q3477.D\data.ms

(56) m,p-XYLENE (m)

15.301min (-0.023) 2.24PPBV

response 51531

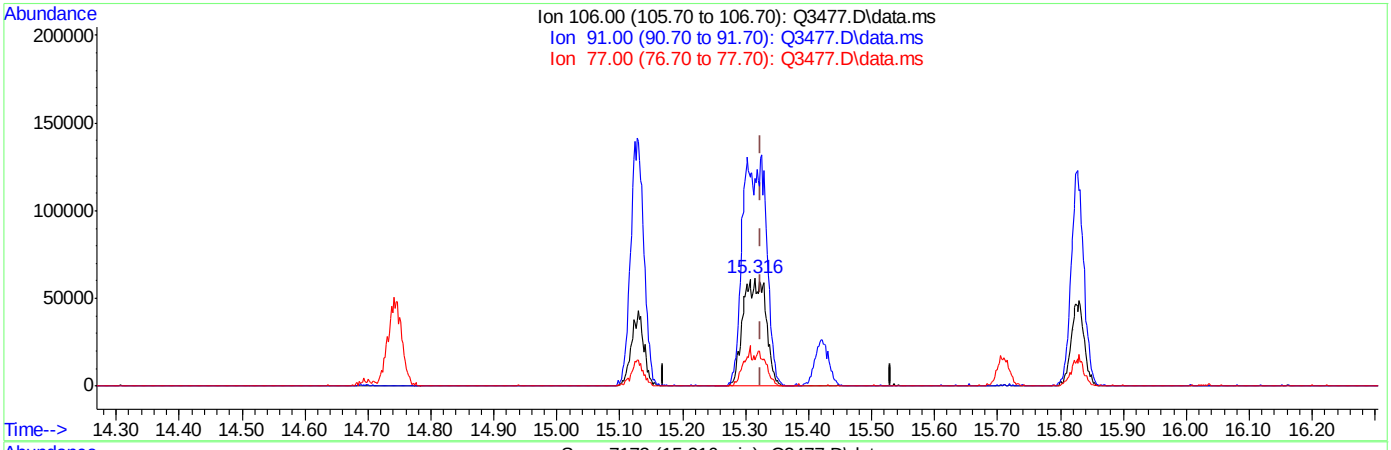
Ion	Exp%	Act%
106.00	100	100
91.00	204.20	219.57
77.00	30.60	27.71
0.00	0.00	0.00

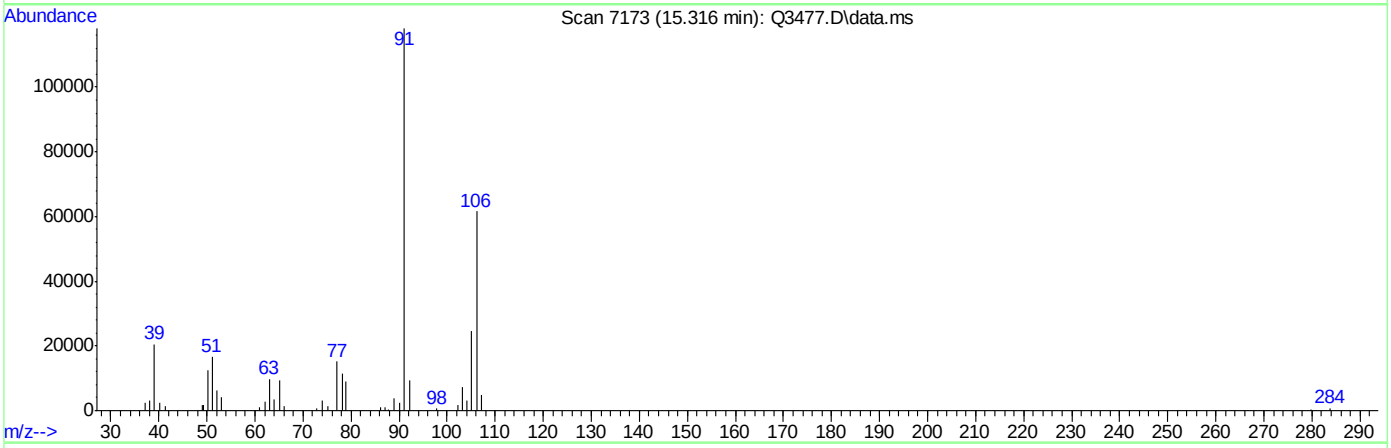
ACCUTEST Laboratories M65137

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\
Data File : Q3477.D
Acq On : 21 May 2007 7:34 pm
Operator : PhilipB
Sample : IC189-5 (M060)
Misc : MS13602,MSQ189,,,,,1
ALS Vial : 3 Sample Multiplier: 1

Quant Time: May 22 09:20:39 2007
Quant Method : C:\msdchem\1\METHODS\Q051507T.m
Quant Title : TO15 by GCMS w/DB-1 60 m X .25 mm ID 1.0 um
QLast Update : Tue May 22 09:20:32 2007
Response via : Initial Calibration





TIC: Q3477.D\data.ms

(56) m,p-XYLENE (m)

15.316min (-0.009) 6.91PPBV m

response 159238

Ion	Exp%	Act%
106.00	100	100
91.00	204.20	191.73
77.00	30.60	24.73
0.00	0.00	0.00

ACCUTEST Laboratories M65137

Manual Integrations APPROVED (compounds with "m" flag)
Doug Yargeau
05/23/07 16:02

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\
Data File : Q3478.D
Acq On : 21 May 2007 8:17 pm
Operator : PhilipB
Sample : IC189-2 (M060)
Misc : MS13602,MSQ189,,,,,1
ALS Vial : 3 Sample Multiplier: 1

Quant Time: May 22 09:21:43 2007
Quant Method : C:\msdchem\1\METHODS\Q051507T.m
Quant Title : TO15 by GCMS w/DB-1 60 m X .25 mm ID 1.0 um
QLast Update : Tue May 22 09:21:08 2007
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) BROMOCHLOROMETHANE	8.433	128	65307	10.00	PPBV	0.01
35) 1,4-DIFLUOROBENZENE	10.348	114	269535	10.00	PPBV	0.00
49) CHLOROBENZENE-D5	14.698	117	228997	10.00	PPBV	0.00
System Monitoring Compounds						
61) 4-BROMOFLUOROBENZENE	16.336	95	95533	5.19	PPBV	0.00
Spiked Amount 5.000	Range 57 - 139		Recovery = 103.80%			
Target Compounds						Qvalue
2) DICHLORODIFLUOROMETHANE	3.602	85	103732	2.04	PPBV	81
3) PROPYLENE	3.534	41	16558	2.30	PPBV	89
4) FREON 114	3.870	85	91122	2.02	PPBV #	100
5) CHLOROMETHANE	3.769	50	23545	2.41	PPBV	83
6) VINYL CHLORIDE	3.992	62	22817	2.24	PPBV #	70
7) 1,3-BUTADIENE	4.131	39	24369	1.96	PPBV #	100
8) BROMOMETHANE	4.411	94	28080	2.18	PPBV #	100
9) CHLOROETHANE	4.587	64	10486	2.16	PPBV #	100
10) TRICHLOROFLUOROMETHANE	5.403	101	157868	2.05	PPBV #	100
11) ISOPROPYL ALCOHOL	5.458	45	47553	2.05	PPBV	82
12) ACETONE	5.204	43	54500	2.06	PPBV	81
13) PENTANE	5.776	42	27007	2.05	PPBV #	100
14) 1,1-DICHLOROETHYLENE	6.076	96	29968	1.76	PPBV #	18
15) CARBON DISULFIDE	6.539	76	74659	1.73	PPBV	71
16) ETHANOL	4.692	45	7891m	2.21	PPBV	
17) BROMOETHENE	4.952	106	27815	1.93	PPBV #	100
18) METHYLENE CHLORIDE	6.197	84	29862	2.03	PPBV #	1
19) 3-CHLOROPROPENE	6.328	39	40762	1.91	PPBV #	12
20) FREON 113	6.475	151	84810	1.50	PPBV #	100
21) TRANS-1,2-DICHLOROETHY...	7.190	96	23930	1.29	PPBV #	100
22) TERTIARY BUTYL ALCOHOL	6.104	59	53293	1.71	PPBV #	100
23) METHYL TERTIARY BUTYL ...	7.455	73	56460	1.34	PPBV #	100
24) TETRAHYDROFURAN	8.963	42	17767	1.73	PPBV #	100
25) HEXANE	8.465	57	24360	2.08	PPBV #	100
26) VINYL ACETATE	7.544	43	47661	1.28	PPBV	84
27) 1,1-DICHLOROETHANE	7.400	63	46218	1.46	PPBV #	100
28) METHYL ETHYL KETONE	7.803	43	49616	2.22	PPBV	81
29) cis-1,2-DICHLOROETHYLENE	8.259	96	17818	1.85	PPBV #	100
30) ETHYL ACETATE	8.465	43	72867	2.03	PPBV #	100
31) CHLOROFORM	8.552	83	55102	1.94	PPBV #	100
32) 1,1,1-TRICHLOROETHANE	9.554	97	73141	2.24	PPBV	94
33) CARBON TETRACHLORIDE	10.163	117	79966	2.01	PPBV	96
34) 1,2-DICHLOROETHANE	9.302	62	39486	1.99	PPBV	98
36) BENZENE	10.012	78	45956	1.90	PPBV	96
37) CYCLOHEXANE	10.293	84	19412	2.33	PPBV	92
38) TRICHLOROETHYLENE	11.054	95	30900	2.11	PPBV #	84
39) 1,2-DICHLOROPROPANE	10.829	63	19365	2.32	PPBV #	78
40) BROMODICHLOROMETHANE	11.013	83	59961	2.20	PPBV	97
41) 2,2,4-TRIMETHYLPENTANE	11.077	57	79813	2.09	PPBV	92
42) 1,4-DIOXANE	11.052	88	8436	1.86	PPBV #	50
43) HEPTANE	11.333	43	36338	2.39	PPBV	87

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\
Data File : Q3478.D
Acq On : 21 May 2007 8:17 pm
Operator : PhilipB
Sample : IC189-2 (M060)
Misc : MS13602,MSQ189,,,,,1
ALS Vial : 3 Sample Multiplier: 1

Quant Time: May 22 09:21:43 2007
Quant Method : C:\msdchem\1\METHODS\Q051507T.m
Quant Title : TO15 by GCMS w/DB-1 60 m X .25 mm ID 1.0 um
QLast Update : Tue May 22 09:21:08 2007
Response via : Initial Calibration

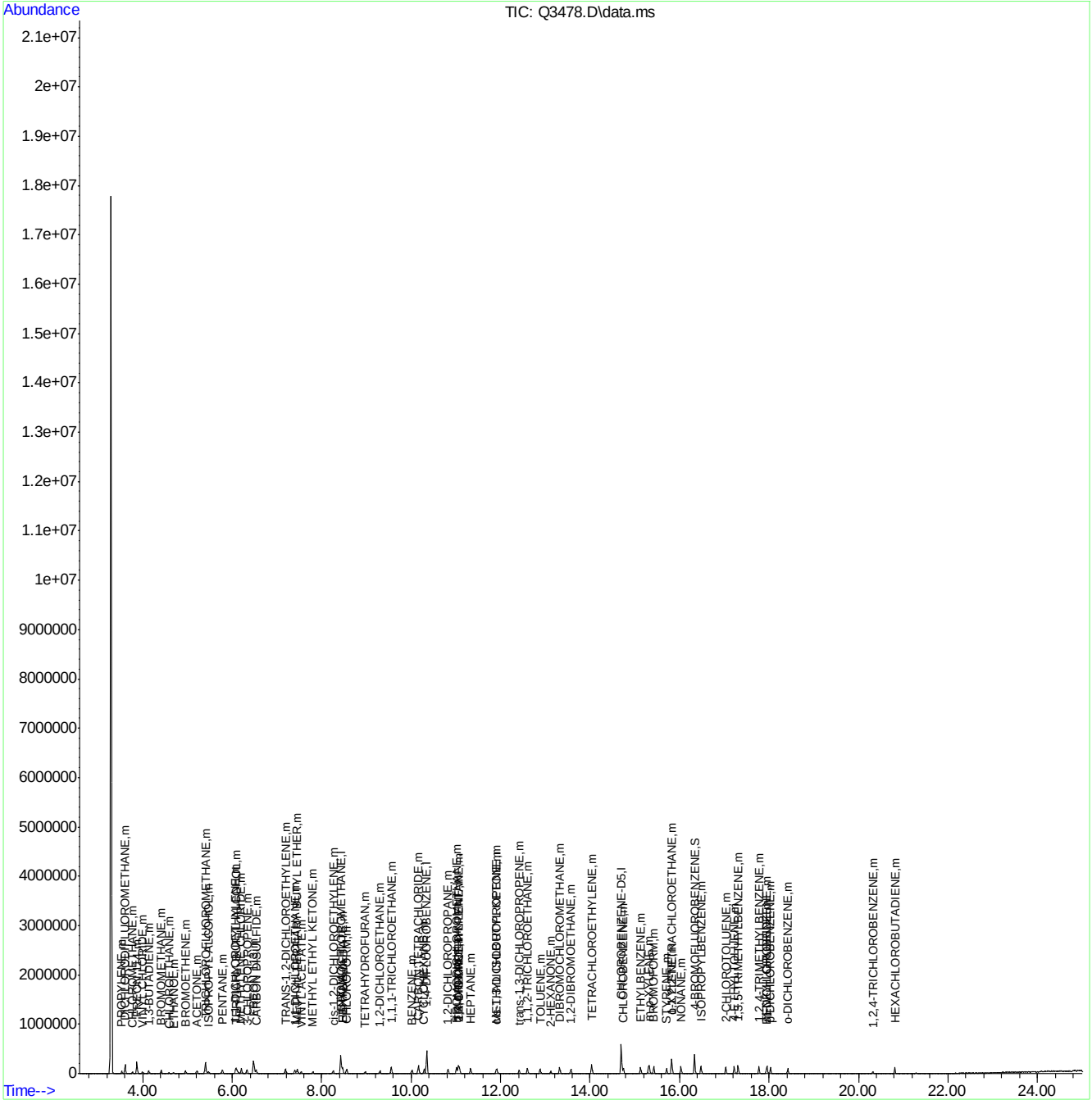
Internal Standards	R.T.	QIon	Response	Conc	Units		Dev(Min)
44) METHYL ISOBUTYL KETONE	11.917	43	46342	1.94	PPBV		90
45) cis-1,3-DICHLOROPROPENE	11.895	75	27543	1.97	PPBV		89
46) TOLUENE	12.891	92	30483	1.67	PPBV		95
47) trans-1,3-DICHLOROPROPENE	12.415	75	24096	1.65	PPBV	#	99
48) 1,1,2-TRICHLOROETHANE	12.596	83	24036	2.33	PPBV		89
50) 2-HEXANONE	13.115	43	33792	1.72	PPBV		89
51) TETRACHLOROETHYLENE	14.030	164	11016	0.71	PPBV	#	1
52) DIBROMOCHLOROMETHANE	13.319	129	51905	1.72	PPBV		97
53) 1,2-DIBROMOETHANE	13.567	107	45115	2.24	PPBV		99
54) CHLOROBENZENE	14.742	112	46937	1.91	PPBV		98
55) ETHYLBENZENE	15.131	91	69973	1.64	PPBV		97
56) m,p-XYLENE	15.306	106	62158m	3.68	PPBV		
57) o-XYLENE	15.828	106	33559	1.99	PPBV		91
58) STYRENE	15.713	104	35985	1.67	PPBV		98
59) NONANE	16.032	43	44138	1.70	PPBV	#	62
60) BROMOFORM	15.420	173	47052	1.31	PPBV		97
62) 1,1,2,2-TETRACHLOROETHANE	15.816	83	59425	2.04	PPBV		95
63) ISOPROPYLBENZENE	16.478	105	77164	1.56	PPBV		96
64) 2-CHLOROTOLUENE	17.030	91	59105	1.62	PPBV		92
65) 4-ETHYLTOLUENE	17.221	105	70555	1.47	PPBV		97
66) 1,3,5-TRIMETHYLBENZENE	17.308	105	63855	1.37	PPBV		95
67) 1,2,4-TRIMETHYLBENZENE	17.775	105	53288	1.23	PPBV		96
68) m-DICHLOROBENZENE	17.958	146	39830	1.46	PPBV		95
69) BENZYL CHLORIDE	17.935	91	27608	0.99	PPBV		95
70) p-DICHLOROBENZENE	18.031	146	35343	1.48	PPBV		98
71) o-DICHLOROBENZENE	18.418	146	26328	1.04	PPBV		96
72) HEXACHLOROBUTADIENE	20.812	225	11481	1.03	PPBV		96
73) 1,2,4-TRICHLOROBENZENE	20.320	180	7142	2.06	PPBV		93

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

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\
Data File : Q3478.D
Acq On : 21 May 2007 8:17 pm
Operator : PhilipB
Sample : IC189-2 (M060)
Misc : MS13602,MSQ189,,,,,1
ALS Vial : 3 Sample Multiplier: 1

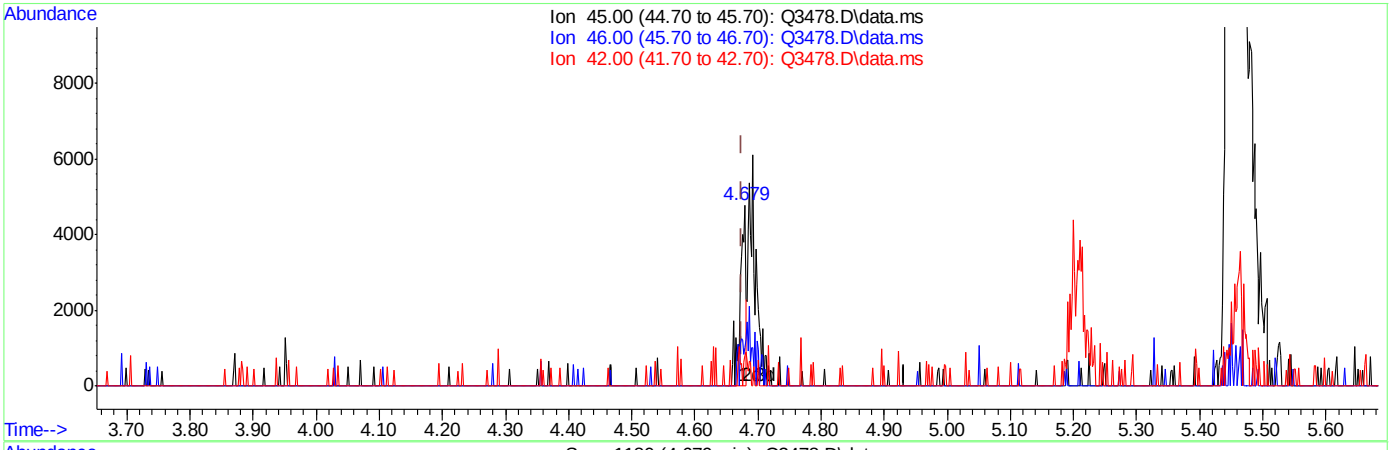
Quant Time: May 22 09:21:43 2007
Quant Method : C:\msdchem\1\METHODS\Q051507T.m
Quant Title : TO15 by GCMS w/DB-1 60 m X .25 mm ID 1.0 um
QLast Update : Tue May 22 09:21:08 2007
Response via : Initial Calibration

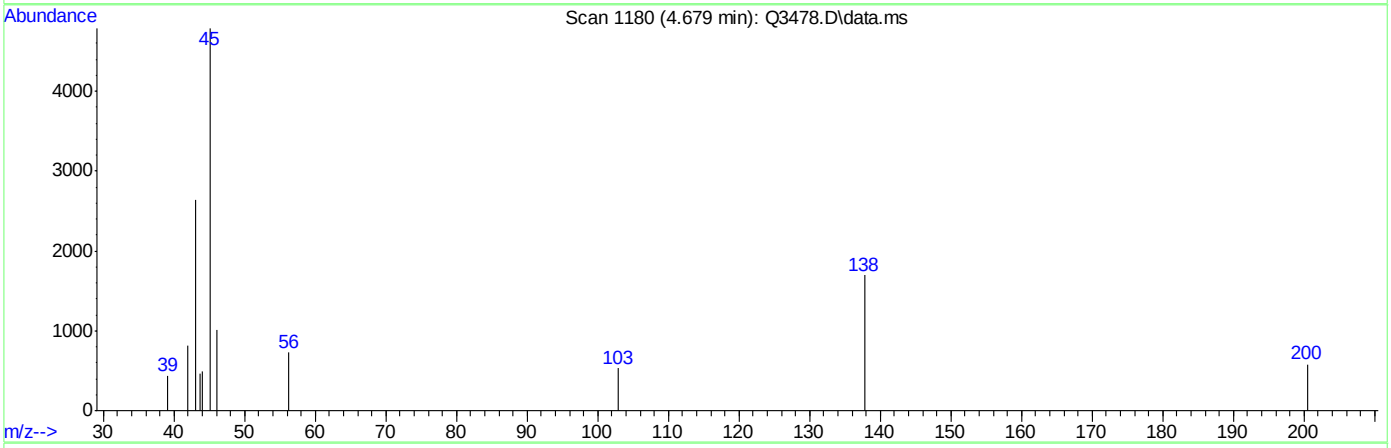


Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\
Data File : Q3478.D
Acq On : 21 May 2007 8:17 pm
Operator : PhilipB
Sample : IC189-2 (M060)
Misc : MS13602,MSQ189,,,,,1
ALS Vial : 3 Sample Multiplier: 1

Quant Time: May 22 09:21:13 2007
Quant Method : C:\msdchem\1\METHODS\Q051507T.m
Quant Title : TO15 by GCMS w/DB-1 60 m X .25 mm ID 1.0 um
QLast Update : Tue May 22 09:21:08 2007
Response via : Initial Calibration





TIC: Q3478.D\data.ms

(16) ETHANOL (m)

4.679min (+0.004) 0.82PPBV

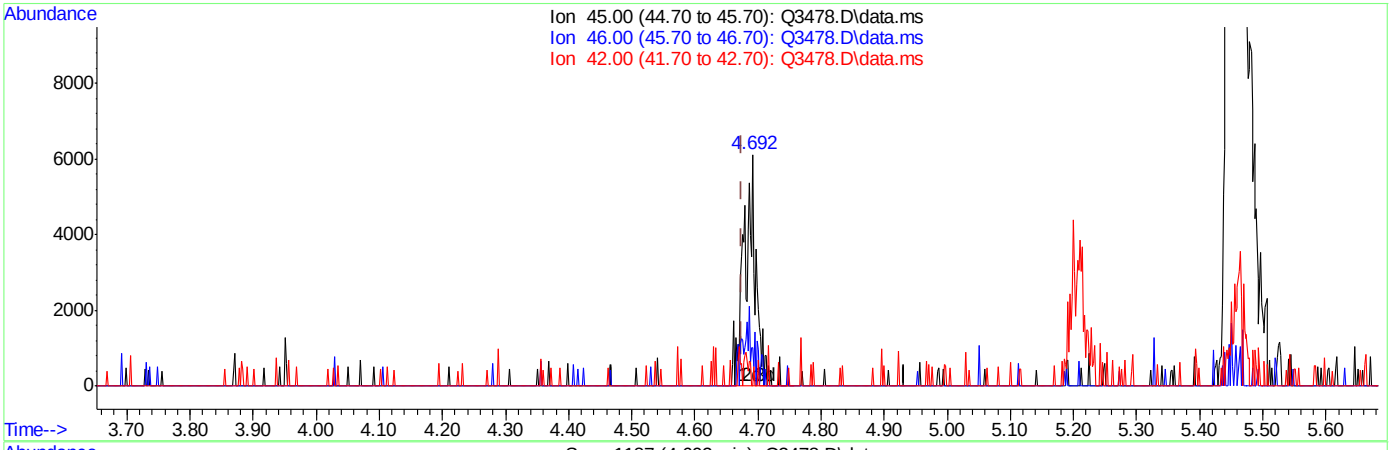
response 2931

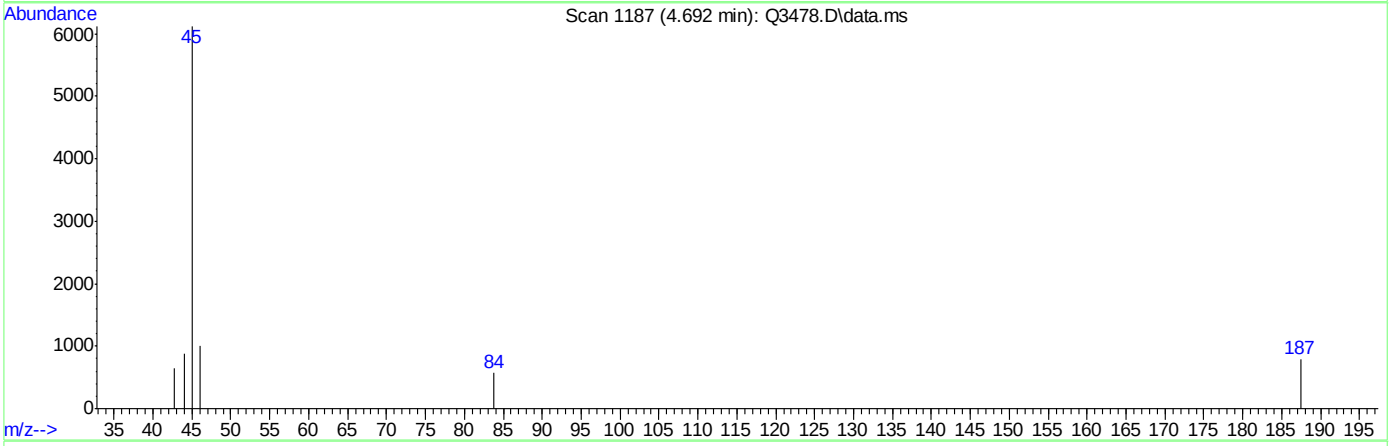
Ion	Exp%	Act%
45.00	100	100
46.00	0.00	51.01#
42.00	0.00	12.76
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\
Data File : Q3478.D
Acq On : 21 May 2007 8:17 pm
Operator : PhilipB
Sample : IC189-2 (M060)
Misc : MS13602,MSQ189,,,,,1
ALS Vial : 3 Sample Multiplier: 1

Quant Time: May 22 09:21:13 2007
Quant Method : C:\msdchem\1\METHODS\Q051507T.m
Quant Title : TO15 by GCMS w/DB-1 60 m X .25 mm ID 1.0 um
QLast Update : Tue May 22 09:21:08 2007
Response via : Initial Calibration





TIC: Q3478.D\data.ms

(16) ETHANOL (m)

4.692min (+0.017) 2.21PPBV m

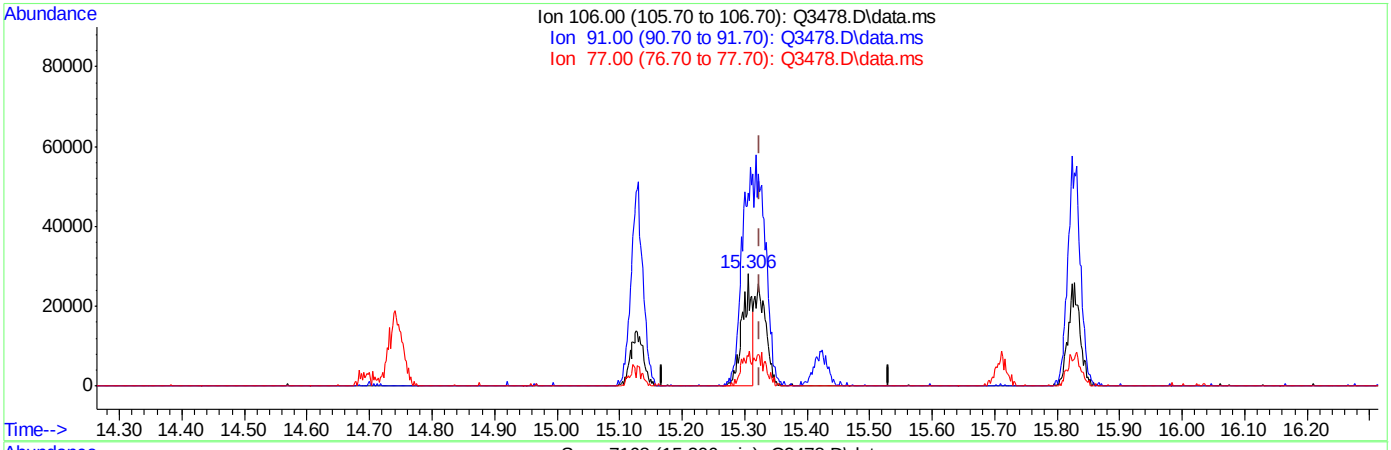
response 7891

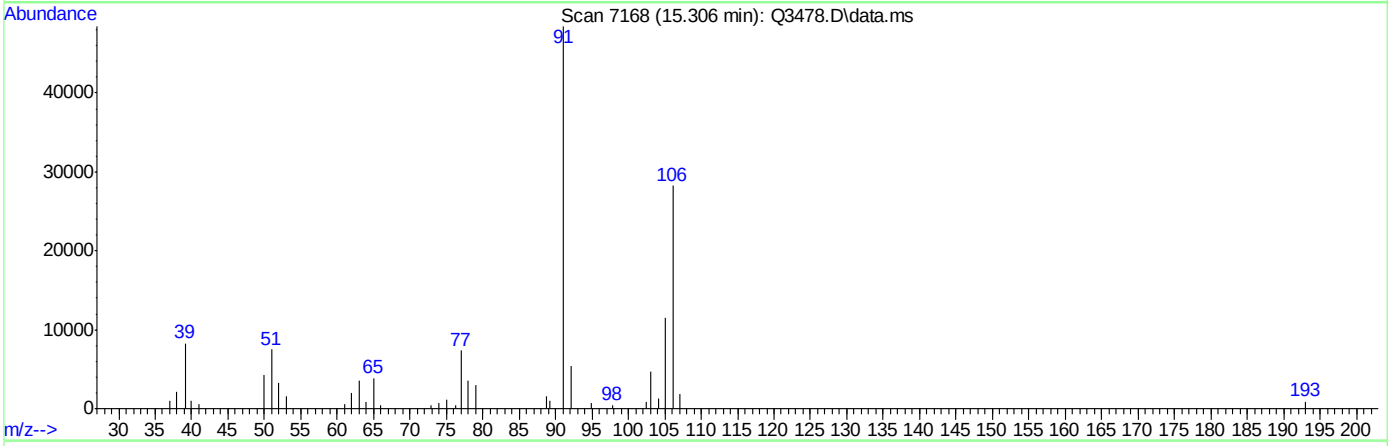
Ion	Exp%	Act%
45.00	100	100
46.00	0.00	18.95
42.00	0.00	4.74
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\
Data File : Q3478.D
Acq On : 21 May 2007 8:17 pm
Operator : PhilipB
Sample : IC189-2 (M060)
Misc : MS13602,MSQ189,,,,,1
ALS Vial : 3 Sample Multiplier: 1

Quant Time: May 22 09:21:13 2007
Quant Method : C:\msdchem\1\METHODS\Q051507T.m
Quant Title : TO15 by GCMS w/DB-1 60 m X .25 mm ID 1.0 um
QLast Update : Tue May 22 09:21:08 2007
Response via : Initial Calibration





TIC: Q3478.D\data.ms

(56) m,p-XYLENE (m)

15.306min (-0.018) 1.80PPBV

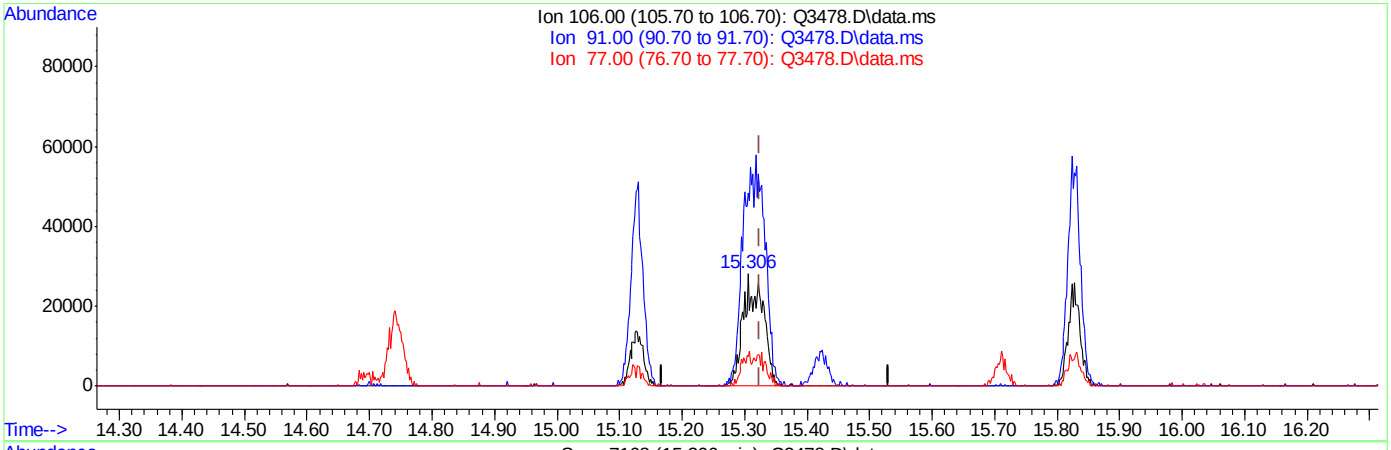
response 30340

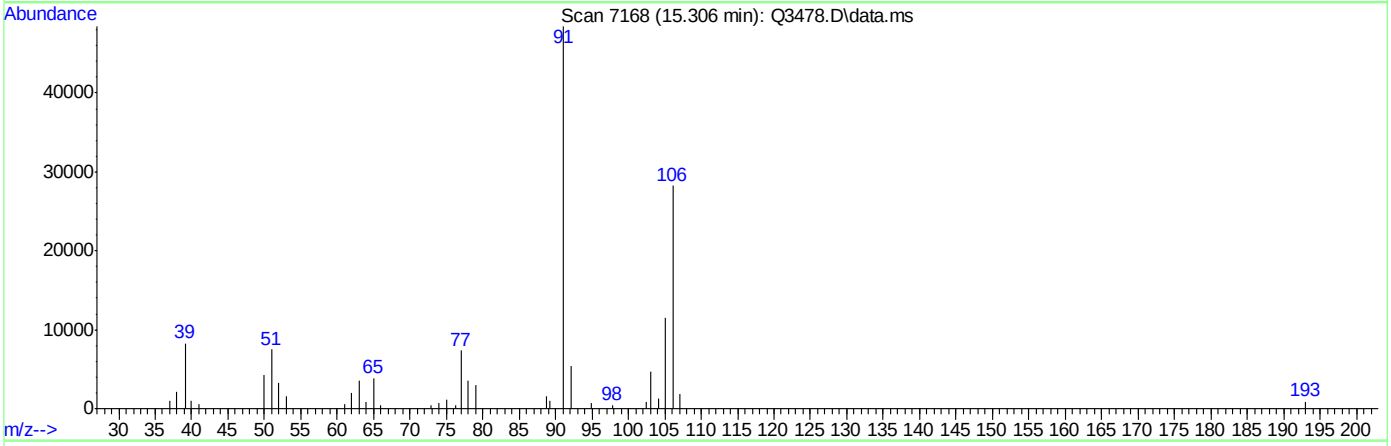
Ion	Exp%	Act%
106.00	100	100
91.00	204.20	171.68
77.00	30.60	26.07
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\
Data File : Q3478.D
Acq On : 21 May 2007 8:17 pm
Operator : PhilipB
Sample : IC189-2 (M060)
Misc : MS13602,MSQ189,,,,,1
ALS Vial : 3 Sample Multiplier: 1

Quant Time: May 22 09:21:13 2007
Quant Method : C:\msdchem\1\METHODS\Q051507T.m
Quant Title : TO15 by GCMS w/DB-1 60 m X .25 mm ID 1.0 um
QLast Update : Tue May 22 09:21:08 2007
Response via : Initial Calibration





TIC: Q3478.D\data.ms

(56) m,p-XYLENE (m)

15.306min (-0.018) 3.68PPBV m

response 62158

Ion	Exp%	Act%
106.00	100	100
91.00	204.20	171.68
77.00	30.60	26.07
0.00	0.00	0.00

Manual Integrations APPROVED (compounds with "m" flag)
Doug Yargeau
05/23/07 16:02

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\
Data File : Q3479.D
Acq On : 21 May 2007 9:00 pm
Operator : PhilipB
Sample : IC189-.5 (M044)
Misc : MS13602,MSQ189,,,,,1
ALS Vial : 4 Sample Multiplier: 1

Quant Time: May 22 09:24:07 2007
Quant Method : C:\msdchem\1\METHODS\Q051507T.m
Quant Title : TO15 by GCMS w/DB-1 60 m X .25 mm ID 1.0 um
QLast Update : Tue May 22 09:21:54 2007
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) BROMOCHLOROMETHANE	8.428	128	66653	10.00	PPBV	0.00
35) 1,4-DIFLUOROBENZENE	10.343	114	314660	10.00	PPBV	0.00
49) CHLOROBENZENE-D5	14.696	117	268589	10.00	PPBV	0.00
System Monitoring Compounds						
61) 4-BROMOFLUOROBENZENE	16.332	95	76411	3.51	PPBV	0.00
Spiked Amount 5.000	Range 57 - 139		Recovery = 70.20%			
Target Compounds						Qvalue
2) DICHLORODIFLUOROMETHANE	3.600	85	30207	0.58	PPBV	83
3) PROPYLENE	3.531	41	4734	0.63	PPBV #	66
4) FREON 114	3.866	85	28153	0.61	PPBV #	100
5) CHLOROMETHANE	3.767	50	6206	0.60	PPBV	86
6) VINYL CHLORIDE	3.996	62	7099	0.67	PPBV #	37
7) 1,3-BUTADIENE	4.127	39	7529	0.60	PPBV #	100
8) BROMOMETHANE	4.406	94	8296	0.62	PPBV #	100
9) CHLOROETHANE	4.587	64	4211	0.84	PPBV #	100
10) TRICHLOROFLUOROMETHANE	5.402	101	45855m	0.58	PPBV	
11) ISOPROPYL ALCOHOL	5.457	45	12691	0.53	PPBV	83
12) ACETONE	5.206	43	16853	0.62	PPBV	80
13) PENTANE	5.769	42	8456	0.63	PPBV #	100
14) 1,1-DICHLOROETHYLENE	6.081	96	9120	0.54	PPBV #	16
15) CARBON DISULFIDE	6.530	76	23372	0.55	PPBV #	37
16) ETHANOL	4.688	45	1822	0.49	PPBV	100
17) BROMOETHENE	4.951	106	11341	0.78	PPBV #	100
18) METHYLENE CHLORIDE	6.200	84	11487	0.76	PPBV #	1
19) 3-CHLOROPROPENE	6.326	39	11543	0.54	PPBV #	16
20) FREON 113	6.475	151	21252	0.39	PPBV #	100
21) TRANS-1,2-DICHLOROETHY...	7.180	96	6982	0.40	PPBV #	100
22) TERTIARY BUTYL ALCOHOL	6.113	59	14564m	0.47	PPBV	
23) METHYL TERTIARY BUTYL ...	7.453	73	13576	0.34	PPBV #	100
24) TETRAHYDROFURAN	8.976	42	4996	0.49	PPBV	100
25) HEXANE	8.465	57	8917	0.74	PPBV #	100
26) VINYL ACETATE	7.538	43	11806	0.33	PPBV #	93
27) 1,1-DICHLOROETHANE	7.391	63	12940	0.42	PPBV	100
28) METHYL ETHYL KETONE	7.801	43	9853	0.42	PPBV	85
29) cis-1,2-DICHLOROETHYLENE	8.261	96	5847m	0.60	PPBV	
30) ETHYL ACETATE	8.470	43	22090	0.60	PPBV	100
31) CHLOROFORM	8.554	83	20323	0.71	PPBV #	100
32) 1,1,1-TRICHLOROETHANE	9.553	97	21686	0.63	PPBV	91
33) CARBON TETRACHLORIDE	10.163	117	25974	0.64	PPBV #	56
34) 1,2-DICHLOROETHANE	9.304	62	13422m	0.66	PPBV	
36) BENZENE	10.014	78	15632	0.56	PPBV	91
37) CYCLOHEXANE	10.288	84	4975m	0.49	PPBV	
38) TRICHLOROETHYLENE	11.051	95	9508	0.55	PPBV #	81
39) 1,2-DICHLOROPROPANE	10.813	63	5084m	0.51	PPBV	
40) BROMODICHLOROMETHANE	11.008	83	17830	0.55	PPBV #	68
41) 2,2,4-TRIMETHYLPENTANE	11.079	57	24510	0.55	PPBV #	70
42) 1,4-DIOXANE	11.051	88	1388m	0.27	PPBV	
43) HEPTANE	11.326	43	8924	0.48	PPBV	88

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\
Data File : Q3479.D
Acq On : 21 May 2007 9:00 pm
Operator : PhilipB
Sample : IC189-.5 (M044)
Misc : MS13602,MSQ189,,,,,1
ALS Vial : 4 Sample Multiplier: 1

Quant Time: May 22 09:24:07 2007
Quant Method : C:\msdchem\1\METHODS\Q051507T.m
Quant Title : TO15 by GCMS w/DB-1 60 m X .25 mm ID 1.0 um
QLast Update : Tue May 22 09:21:54 2007
Response via : Initial Calibration

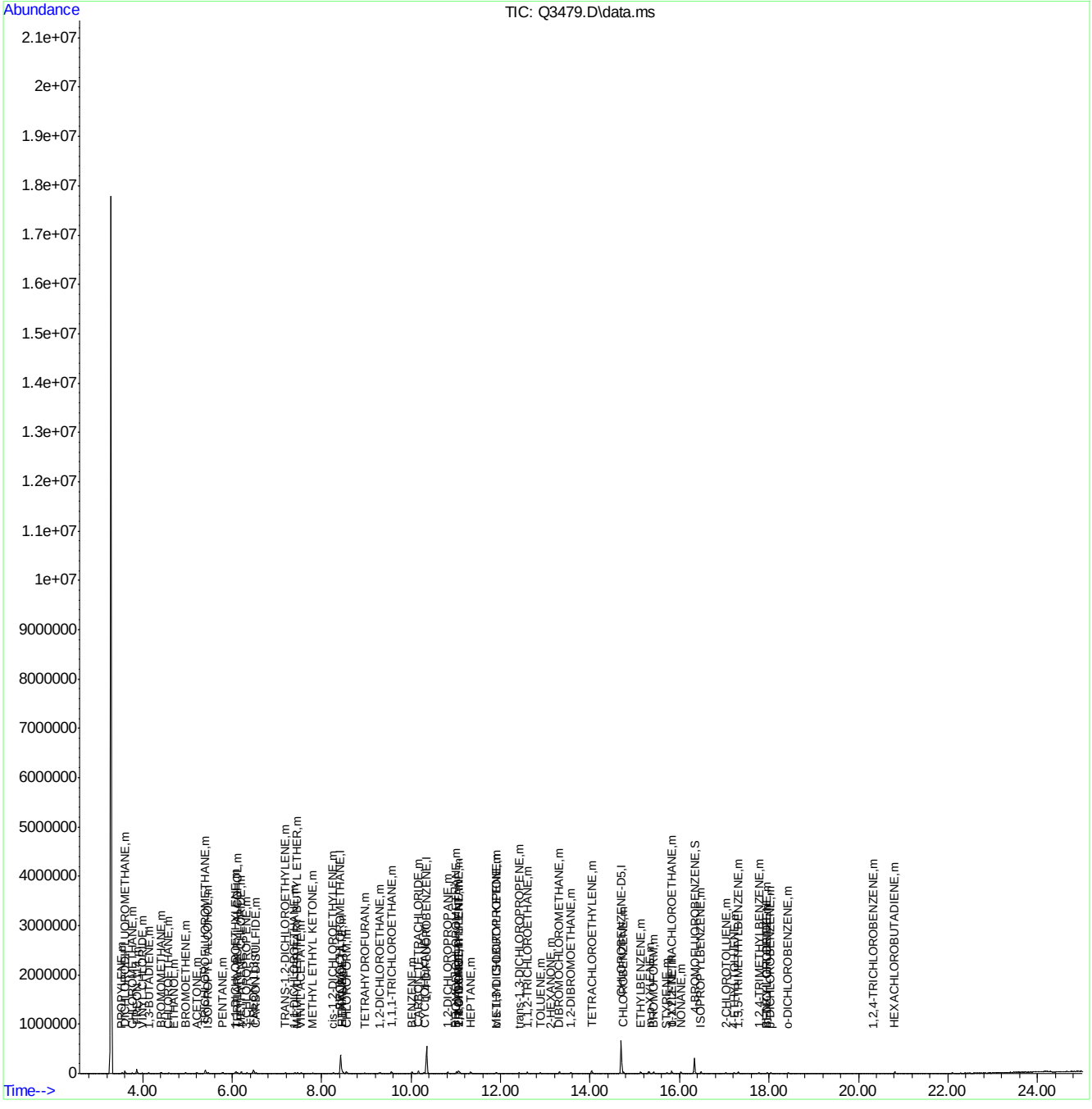
Internal Standards	R.T.	QIon	Response	Conc	Units		Dev(Min)
44) METHYL ISOBUTYL KETONE	11.917	43	9064	0.33	PPBV		66
45) cis-1,3-DICHLOROPROPENE	11.904	75	7200	0.44	PPBV		88
46) TOLUENE	12.882	92	7670	0.37	PPBV		98
47) trans-1,3-DICHLOROPROPENE	12.414	75	5532	0.34	PPBV	#	97
48) 1,1,2-TRICHLOROETHANE	12.602	83	5210m	0.42	PPBV		
50) 2-HEXANONE	13.120	43	4045m	0.18	PPBV		
51) TETRACHLOROETHYLENE	14.038	164	6457	0.41	PPBV	#	27
52) DIBROMOCHLOROMETHANE	13.306	129	14101m	0.41	PPBV		
53) 1,2-DIBROMOETHANE	13.571	107	11515	0.48	PPBV	#	96
54) CHLOROBENZENE	14.740	112	14988	0.52	PPBV		96
55) ETHYLBENZENE	15.129	91	17284	0.36	PPBV		98
56) m,p-XYLENE	15.328	106	13556m	0.70	PPBV		
57) o-XYLENE	15.832	106	7979	0.40	PPBV		95
58) STYRENE	15.708	104	6888	0.28	PPBV	#	79
59) NONANE	16.038	43	11193	0.38	PPBV	#	80
60) BROMOFORM	15.418	173	11028	0.28	PPBV		95
62) 1,1,2,2-TETRACHLOROETHANE	15.812	83	9796	0.29	PPBV	#	28
63) ISOPROPYLBENZENE	16.474	105	18341	0.33	PPBV		95
64) 2-CHLOROTOLUENE	17.028	91	10903	0.26	PPBV		88
65) 4-ETHYLTOLUENE	17.223	105	11610	0.22	PPBV		98
66) 1,3,5-TRIMETHYLBENZENE	17.305	105	12933	0.25	PPBV		95
67) 1,2,4-TRIMETHYLBENZENE	17.779	105	9008	0.19	PPBV		85
68) m-DICHLOROBENZENE	17.958	146	5405	0.18	PPBV		91
69) BENZYL CHLORIDE	17.939	91	4023	0.14	PPBV		76
70) p-DICHLOROBENZENE	18.036	146	4968	0.19	PPBV	#	76
71) o-DICHLOROBENZENE	18.425	146	5020	0.19	PPBV		91
72) HEXACHLOROBUTADIENE	20.814	225	4098	0.35	PPBV	#	65
73) 1,2,4-TRICHLOROBENZENE	20.322	180	908m	0.22	PPBV		

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

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\
Data File : Q3479.D
Acq On : 21 May 2007 9:00 pm
Operator : PhilipB
Sample : IC189-.5 (M044)
Misc : MS13602,MSQ189,,,,,1
ALS Vial : 4 Sample Multiplier: 1

Quant Time: May 22 09:24:07 2007
Quant Method : C:\msdchem\1\METHODS\Q051507T.m
Quant Title : TO15 by GCMS w/DB-1 60 m X .25 mm ID 1.0 um
QLast Update : Tue May 22 09:21:54 2007
Response via : Initial Calibration

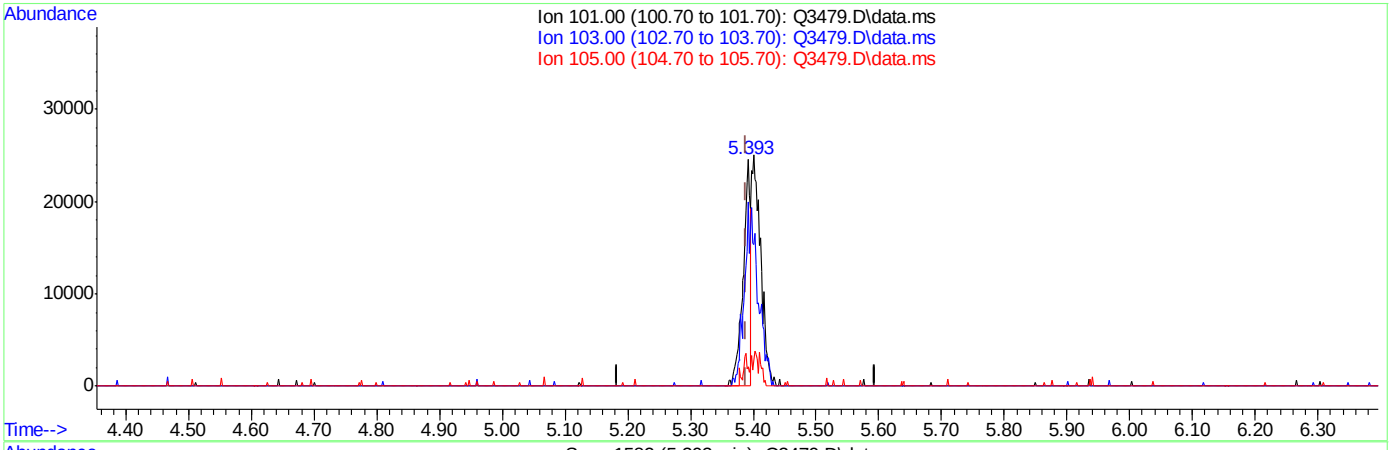


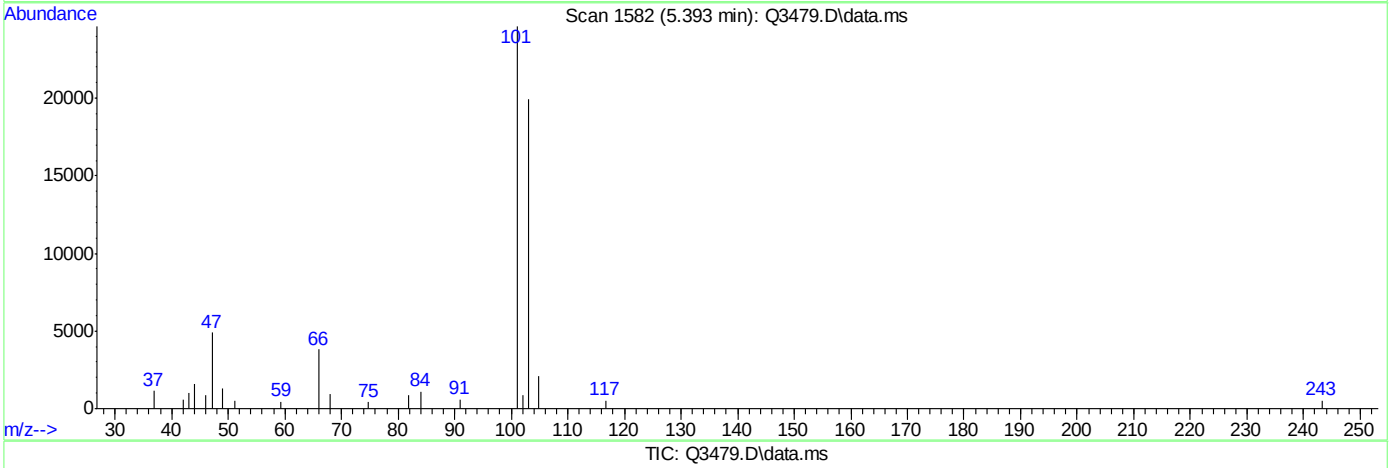
ACCUTEST Laboratories M65137

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\
Data File : Q3479.D
Acq On : 21 May 2007 9:00 pm
Operator : PhilipB
Sample : IC189-.5 (M044)
Misc : MS13602,MSQ189,,,,,1
ALS Vial : 4 Sample Multiplier: 1

Quant Time: May 22 09:21:59 2007
Quant Method : C:\msdchem\1\METHODS\Q051507T.m
Quant Title : TO15 by GCMS w/DB-1 60 m X .25 mm ID 1.0 um
QLast Update : Tue May 22 09:21:54 2007
Response via : Initial Calibration





TIC: Q3479.D\data.ms

(10) TRICHLOROFLUOROMETHANE (m)

5.393min (+0.004) 0.26PPBV

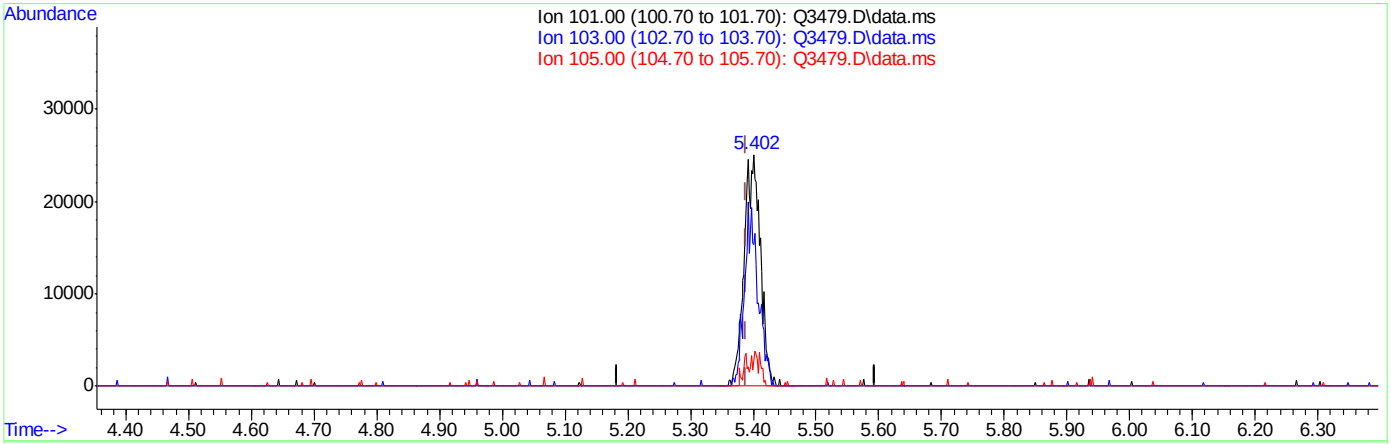
response 20347

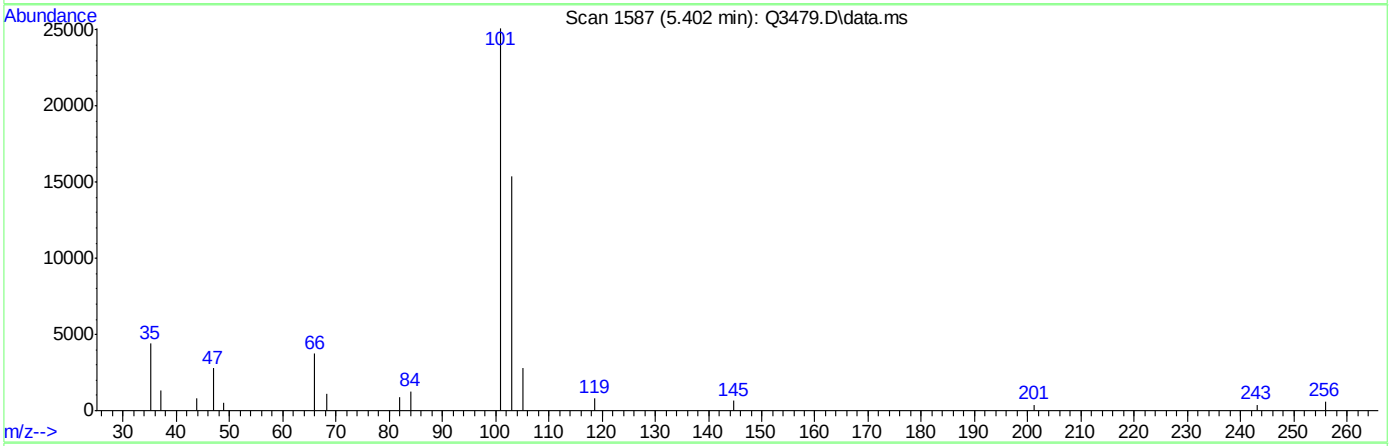
Ion	Exp%	Act%
101.00	100	100
103.00	0.00	148.24#
105.00	0.00	13.53
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\
Data File : Q3479.D
Acq On : 21 May 2007 9:00 pm
Operator : PhilipB
Sample : IC189-.5 (M044)
Misc : MS13602,MSQ189,,,,,1
ALS Vial : 4 Sample Multiplier: 1

Quant Time: May 22 09:21:59 2007
Quant Method : C:\msdchem\1\METHODS\Q051507T.m
Quant Title : TO15 by GCMS w/DB-1 60 m X .25 mm ID 1.0 um
QLast Update : Tue May 22 09:21:54 2007
Response via : Initial Calibration





TIC: Q3479.D\data.ms

(10) TRICHLOROFLUOROMETHANE (m)

5.402min (+0.013) 0.58PPBV m

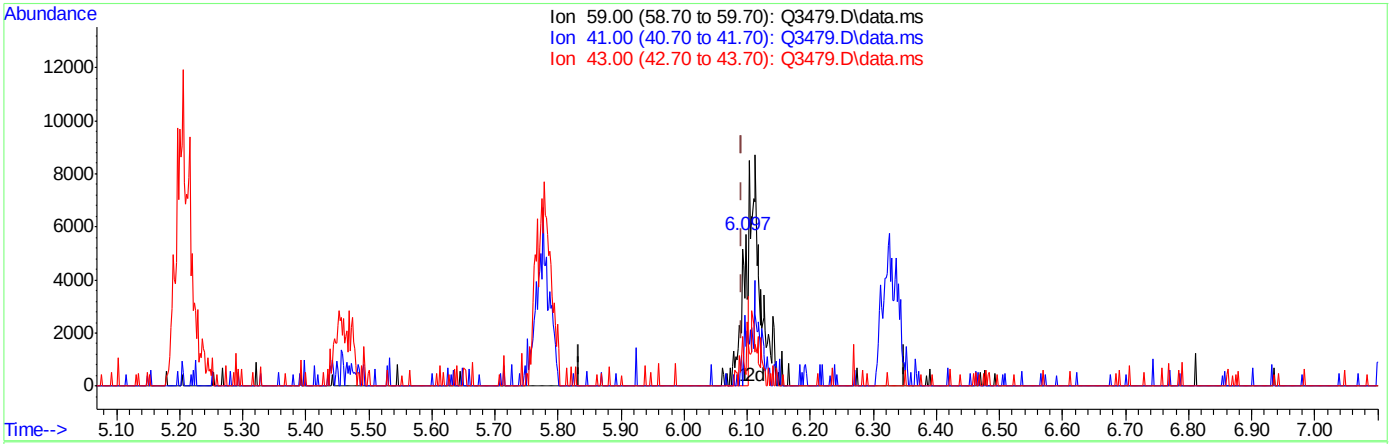
response 45855

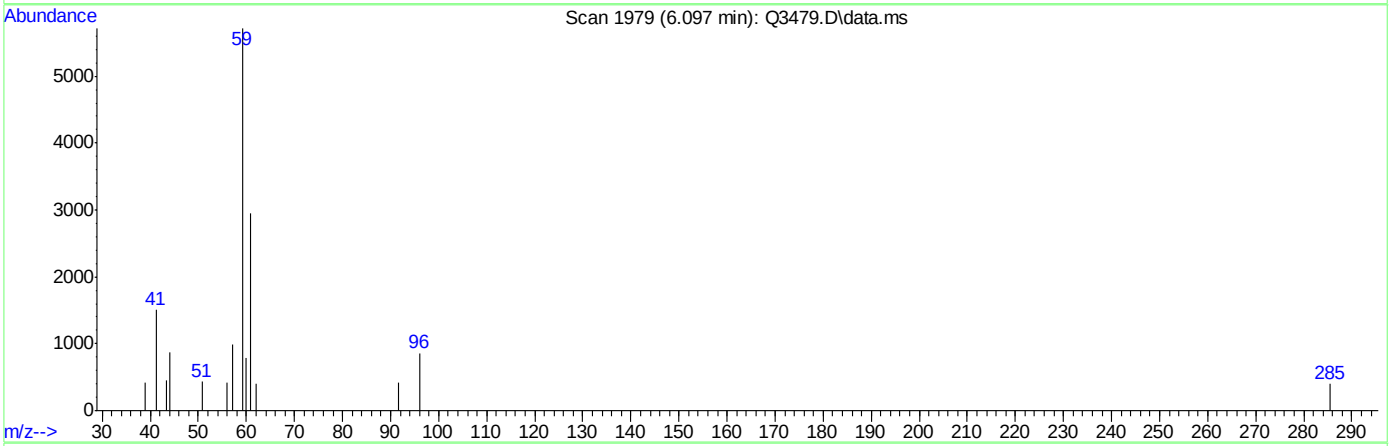
Ion	Exp%	Act%
101.00	100	100
103.00	0.00	65.78#
105.00	0.00	6.00
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\
Data File : Q3479.D
Acq On : 21 May 2007 9:00 pm
Operator : PhilipB
Sample : IC189-.5 (M044)
Misc : MS13602,MSQ189,,,,,1
ALS Vial : 4 Sample Multiplier: 1

Quant Time: May 22 09:21:59 2007
Quant Method : C:\msdchem\1\METHODS\Q051507T.m
Quant Title : TO15 by GCMS w/DB-1 60 m X .25 mm ID 1.0 um
QLast Update : Tue May 22 09:21:54 2007
Response via : Initial Calibration





TIC: Q3479.D\data.ms

(22) TERTIARY BUTYL ALCOHOL (m)

6.097min (+0.005) 0.13PPBV

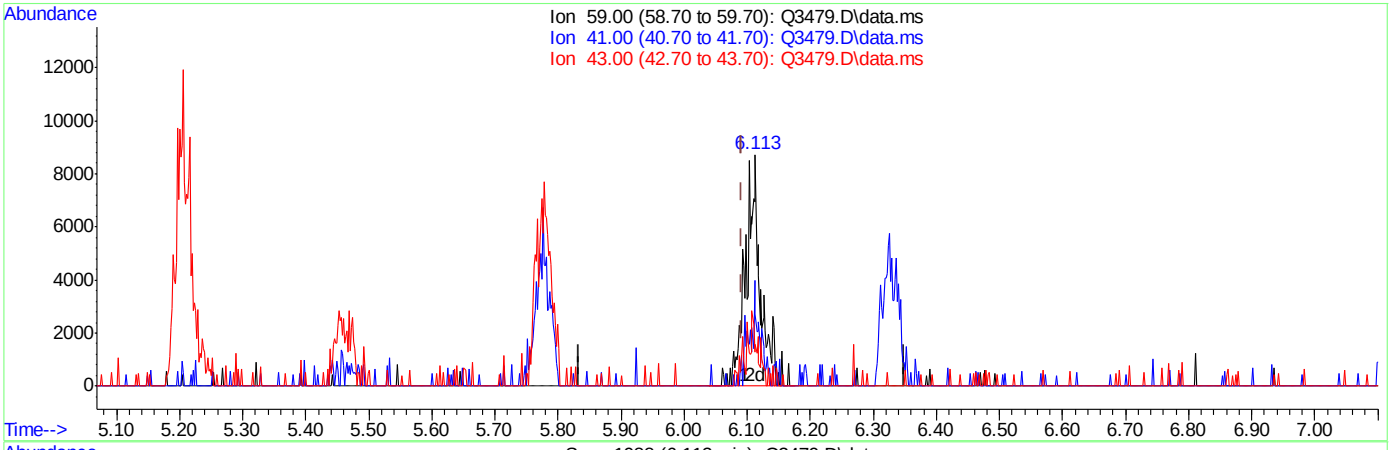
response 4114

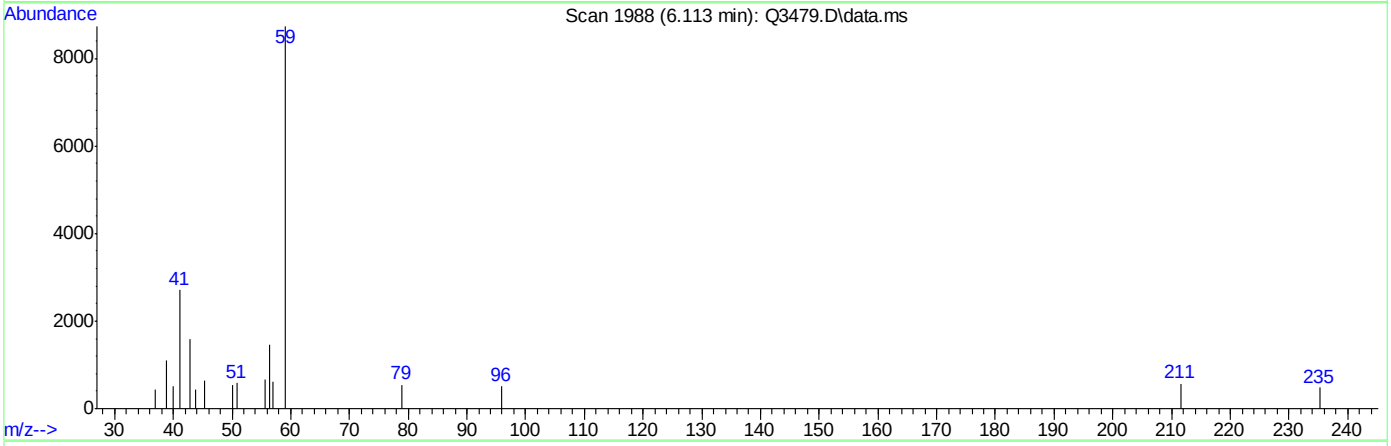
Ion	Exp%	Act%
59.00	100	100
41.00	0.00	0.00
43.00	0.00	21.44#
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\
Data File : Q3479.D
Acq On : 21 May 2007 9:00 pm
Operator : PhilipB
Sample : IC189-.5 (M044)
Misc : MS13602,MSQ189,,,,,1
ALS Vial : 4 Sample Multiplier: 1

Quant Time: May 22 09:21:59 2007
Quant Method : C:\msdchem\1\METHODS\Q051507T.m
Quant Title : TO15 by GCMS w/DB-1 60 m X .25 mm ID 1.0 um
QLast Update : Tue May 22 09:21:54 2007
Response via : Initial Calibration





TIC: Q3479.D\data.ms

(22) TERTIARY BUTYL ALCOHOL (m)

6.113min (+0.021) 0.47PPBV m

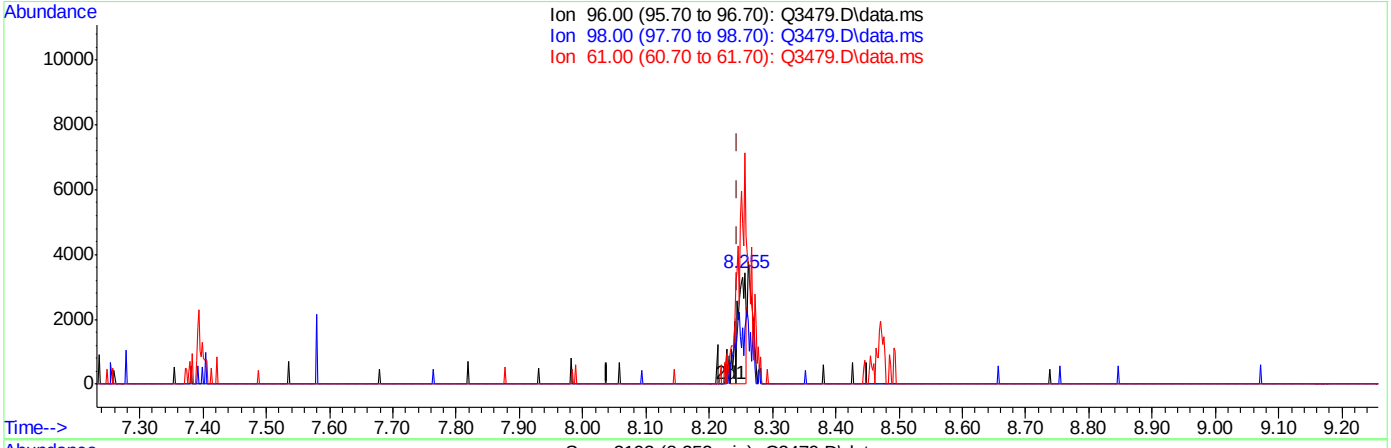
response 14564

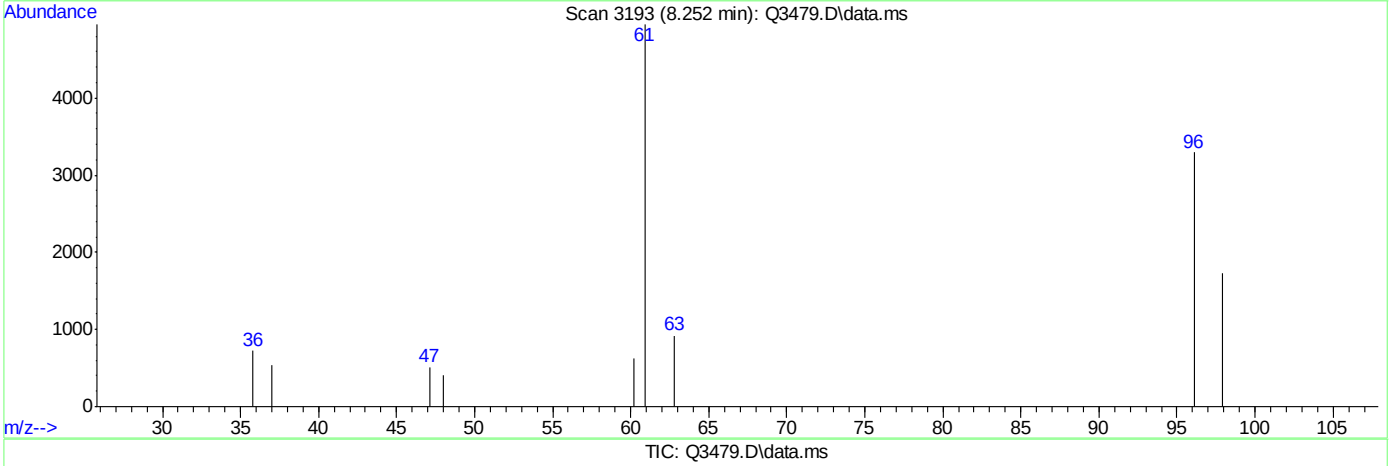
Ion	Exp%	Act%
59.00	100	100
41.00	0.00	0.00
43.00	0.00	6.06
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\
Data File : Q3479.D
Acq On : 21 May 2007 9:00 pm
Operator : PhilipB
Sample : IC189-.5 (M044)
Misc : MS13602,MSQ189,,,,,1
ALS Vial : 4 Sample Multiplier: 1

Quant Time: May 22 09:21:59 2007
Quant Method : C:\msdchem\1\METHODS\Q051507T.m
Quant Title : TO15 by GCMS w/DB-1 60 m X .25 mm ID 1.0 um
QLast Update : Tue May 22 09:21:54 2007
Response via : Initial Calibration





TIC: Q3479.D\data.ms

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

8.252min (+0.007) 0.32PPBV

response 3128

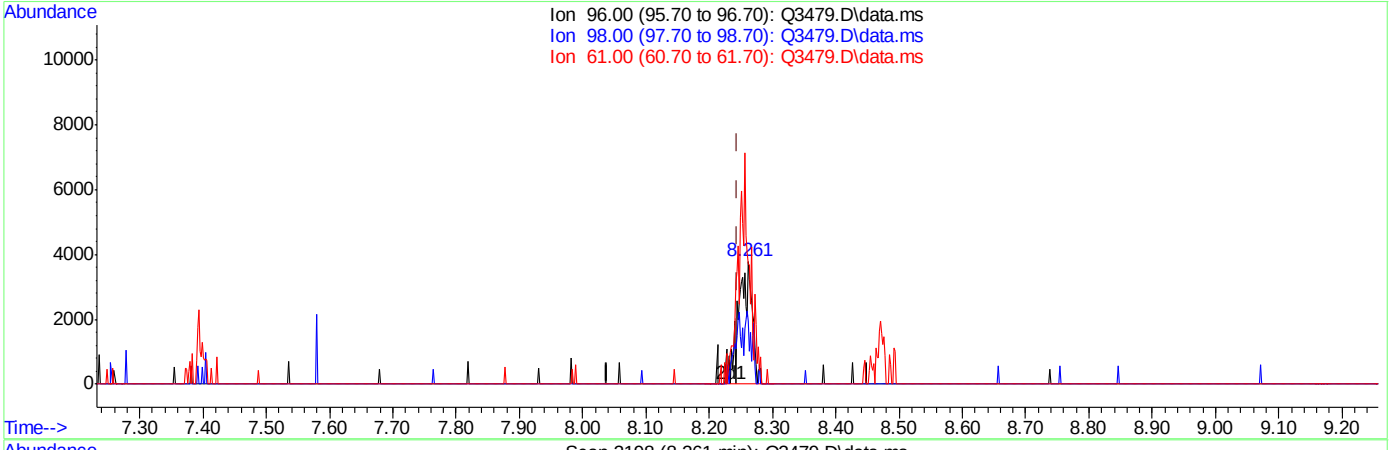
Ion	Exp%	Act%
96.00	100	100
98.00	0.00	51.15#
61.00	0.00	274.23#
0.00	0.00	0.00

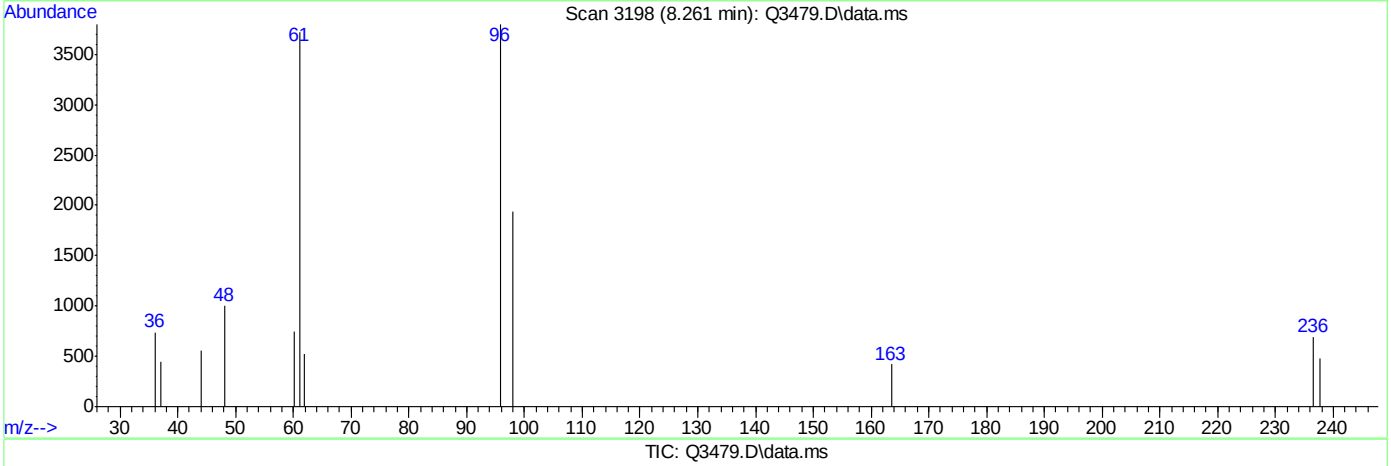
ACCUTEST Laboratories M65137

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\
Data File : Q3479.D
Acq On : 21 May 2007 9:00 pm
Operator : PhilipB
Sample : IC189-.5 (M044)
Misc : MS13602,MSQ189,,,,,1
ALS Vial : 4 Sample Multiplier: 1

Quant Time: May 22 09:21:59 2007
Quant Method : C:\msdchem\1\METHODS\Q051507T.m
Quant Title : TO15 by GCMS w/DB-1 60 m X .25 mm ID 1.0 um
QLast Update : Tue May 22 09:21:54 2007
Response via : Initial Calibration





TIC: Q3479.D\data.ms

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

8.261min (+0.016) 0.60PPBV m

response 5847

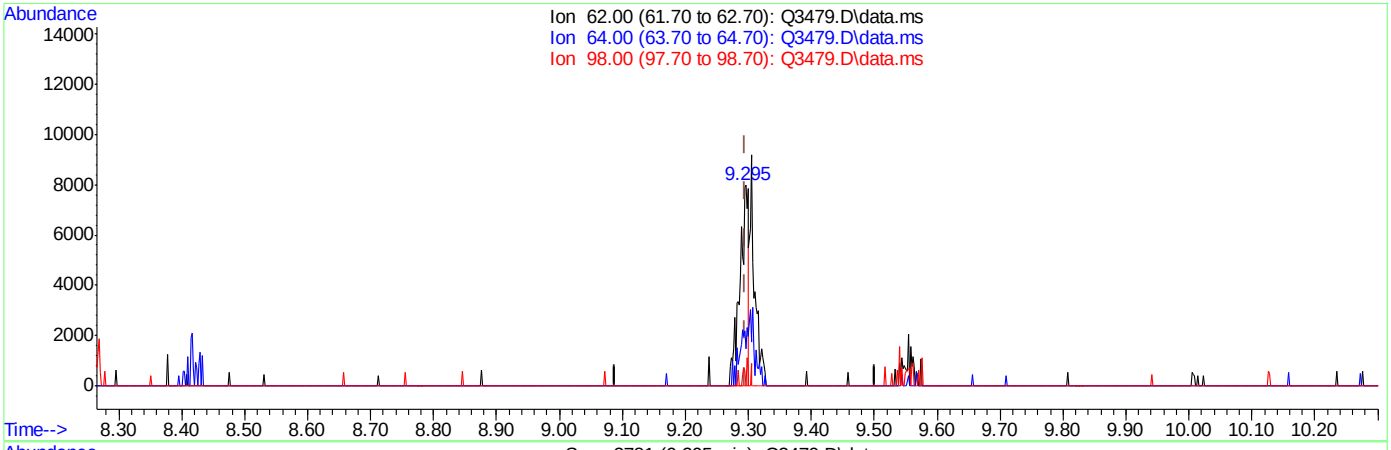
Ion	Exp%	Act%
96.00	100	100
98.00	0.00	27.36#
61.00	0.00	146.71#
0.00	0.00	0.00

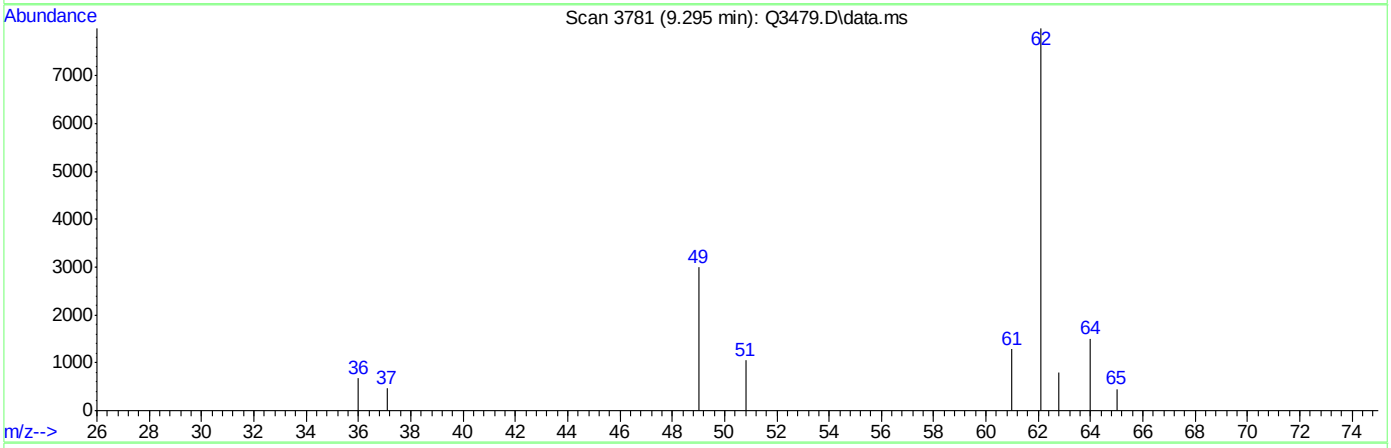
ACCUTEST Laboratories M65137

Quantitation Report (Qedit)

```
Data Path : C:\msdchem\1\DATA\
Data File : Q3479.D
Acq On    : 21 May 2007   9:00 pm
Operator  : PhilipB
Sample    : IC189-.5 (M044)
Misc      : MS13602,MSQ189,,,,,1
ALS Vial  : 4   Sample Multiplier: 1

Quant Time: May 22 09:21:59 2007
Quant Method : C:\msdchem\1\METHODS\Q051507T.m
Quant Title  : TO15  by GCMS w/DB-1 60 m X .25 mm ID 1.0 um
QLast Update : Tue May 22 09:21:54 2007
Response via : Initial Calibration
```



TIC: Q3479.D\data.ms

(34) 1,2-DICHLOROETHANE (m)

9.295min (+0.000) 0.39PPBV

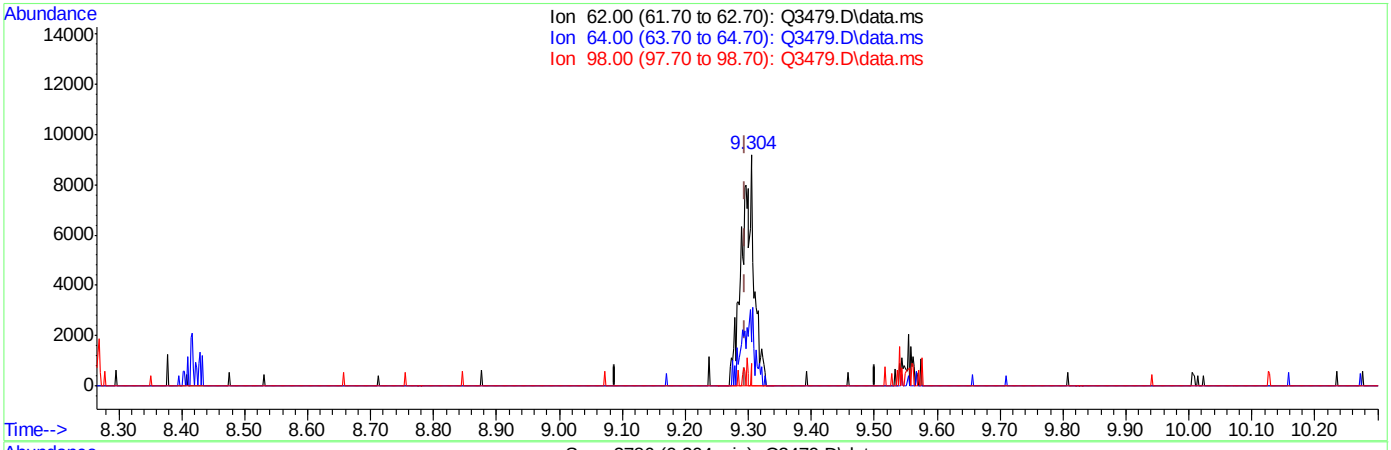
response 7963

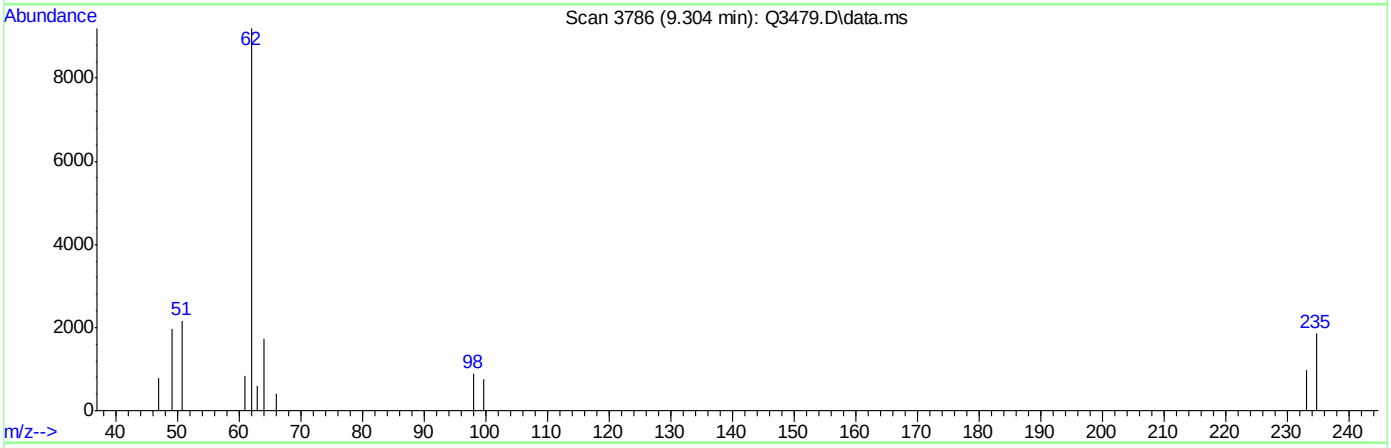
Ion	Exp%	Act%
62.00	100	100
64.00	30.70	47.75
98.00	4.60	5.73
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\
Data File : Q3479.D
Acq On : 21 May 2007 9:00 pm
Operator : PhilipB
Sample : IC189-.5 (M044)
Misc : MS13602,MSQ189,,,,,1
ALS Vial : 4 Sample Multiplier: 1

Quant Time: May 22 09:21:59 2007
Quant Method : C:\msdchem\1\METHODS\Q051507T.m
Quant Title : TO15 by GCMS w/DB-1 60 m X .25 mm ID 1.0 um
QLast Update : Tue May 22 09:21:54 2007
Response via : Initial Calibration





TIC: Q3479.D\data.ms

(34) 1,2-DICHLOROETHANE (m)

9.304min (+0.009) 0.66PPBV m

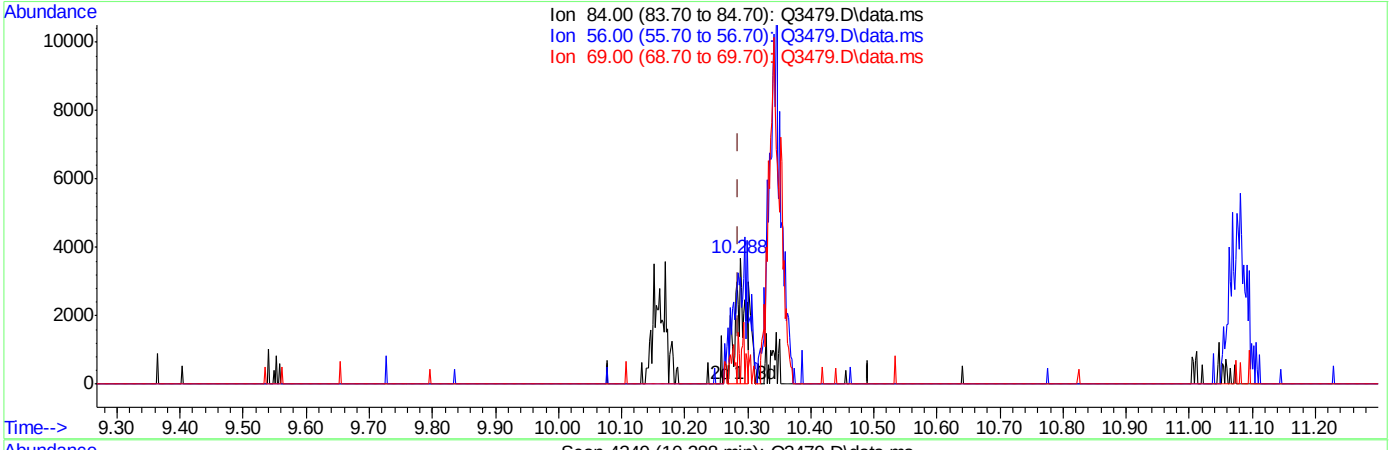
response 13422

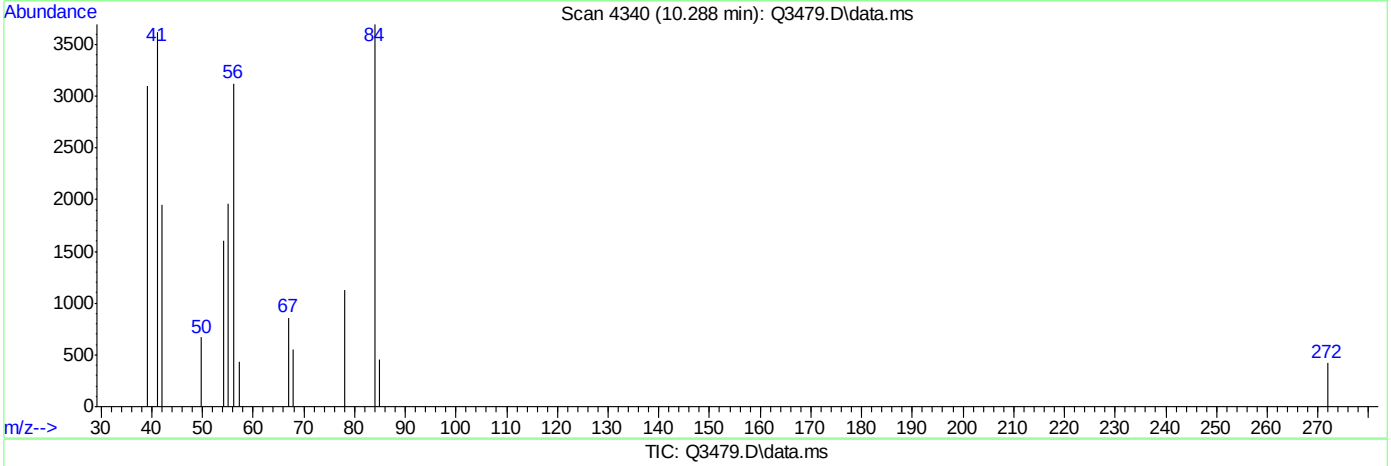
Ion	Exp%	Act%
62.00	100	100
64.00	30.70	28.33
98.00	4.60	3.40
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\
Data File : Q3479.D
Acq On : 21 May 2007 9:00 pm
Operator : PhilipB
Sample : IC189-.5 (M044)
Misc : MS13602,MSQ189,,,,,1
ALS Vial : 4 Sample Multiplier: 1

Quant Time: May 22 09:21:59 2007
Quant Method : C:\msdchem\1\METHODS\Q051507T.m
Quant Title : TO15 by GCMS w/DB-1 60 m X .25 mm ID 1.0 um
QLast Update : Tue May 22 09:21:54 2007
Response via : Initial Calibration





TIC: Q3479.D\data.ms

(37) CYCLOHEXANE (m)

10.288min (+0.002) 0.36PPBV

response 3593

Ion	Exp%	Act%
84.00	100	100
56.00	106.20	127.39#
69.00	33.50	29.33
0.00	0.00	0.00

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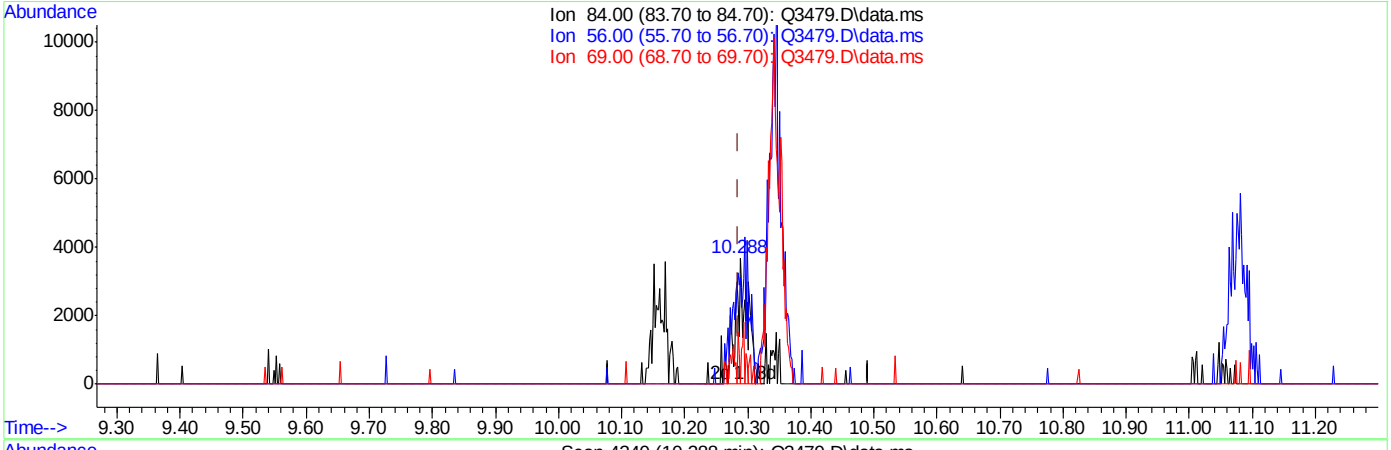
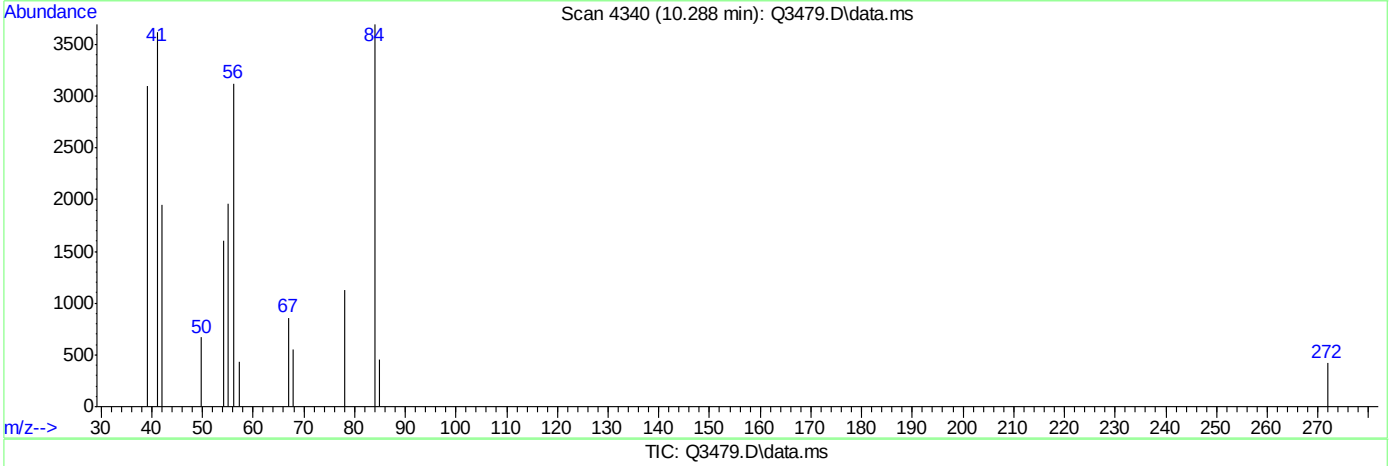
Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\
Data File : Q3479.D
Acq On : 21 May 2007 9:00 pm
Operator : PhilipB
Sample : IC189-.5 (M044)
Misc : MS13602,MSQ189,,,,,1
ALS Vial : 4 Sample Multiplier: 1

Quant Time: May 22 09:21:59 2007
Quant Method : C:\msdchem\1\METHODS\Q051507T.m
Quant Title : TO15 by GCMS w/DB-1 60 m X .25 mm ID 1.0 um
QLast Update : Tue May 22 09:21:54 2007
Response via : Initial Calibration





TIC: Q3479.D\data.ms

(37) CYCLOHEXANE (m)

10.288min (+0.002) 0.49PPBV m

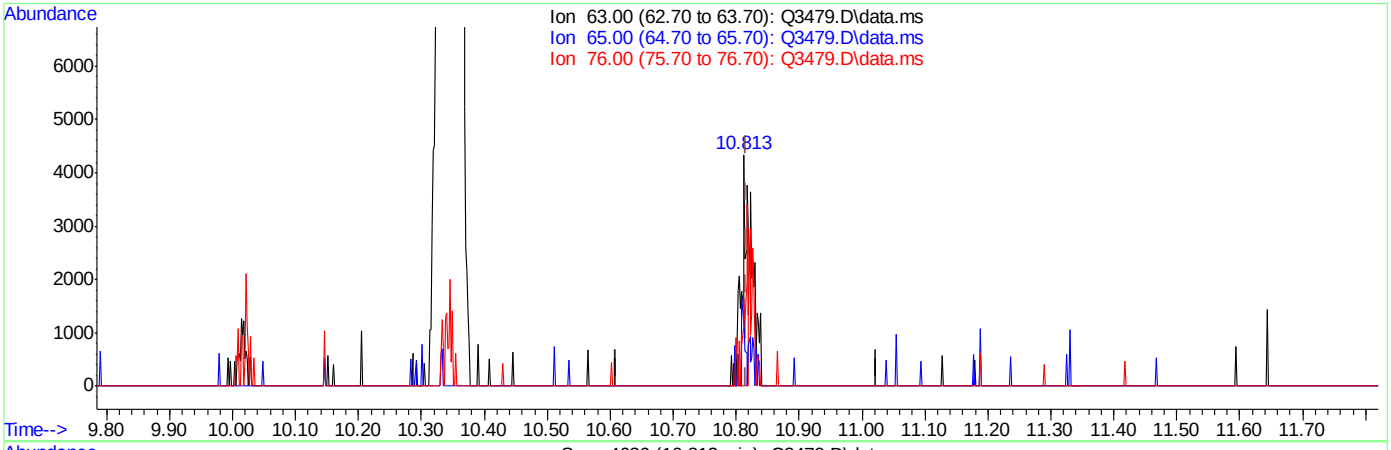
response 4975

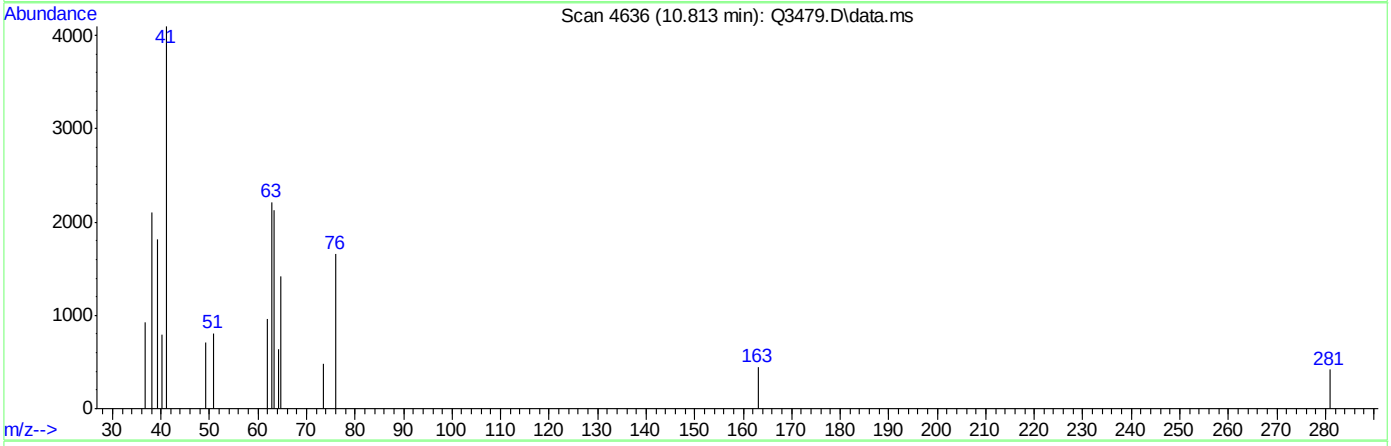
Ion	Exp%	Act%
84.00	100	100
56.00	106.20	92.00
69.00	33.50	21.19
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\
Data File : Q3479.D
Acq On : 21 May 2007 9:00 pm
Operator : PhilipB
Sample : IC189-.5 (M044)
Misc : MS13602,MSQ189,,,,,1
ALS Vial : 4 Sample Multiplier: 1

Quant Time: May 22 09:21:59 2007
Quant Method : C:\msdchem\1\METHODS\Q051507T.m
Quant Title : TO15 by GCMS w/DB-1 60 m X .25 mm ID 1.0 um
QLast Update : Tue May 22 09:21:54 2007
Response via : Initial Calibration





TIC: Q3479.D\data.ms

(39) 1,2-DICHLOROPROPANE (m)

10.813min (-0.003) 0.30PPBV

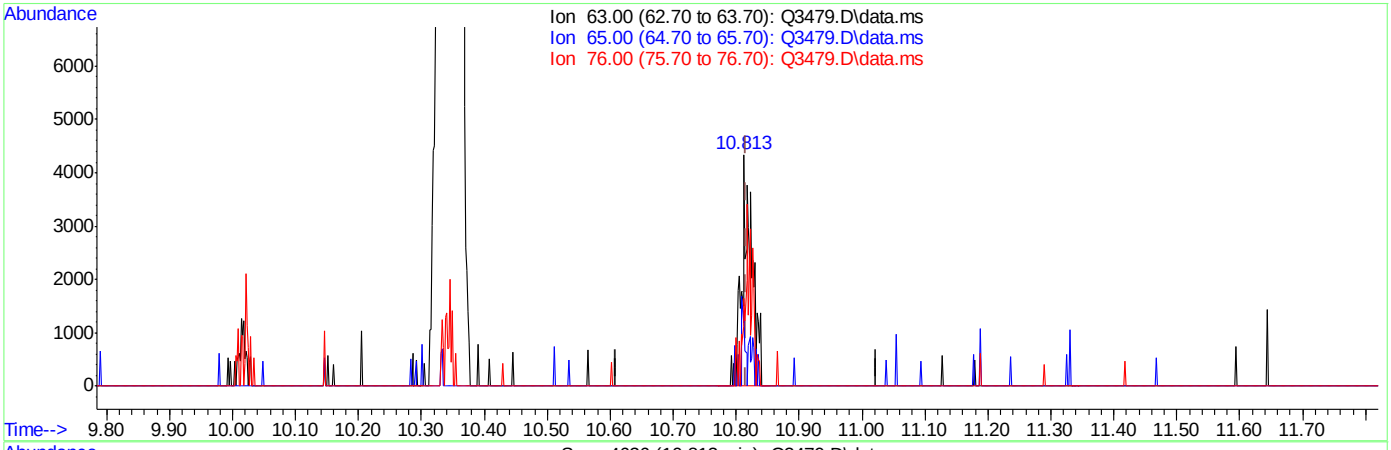
response 2999

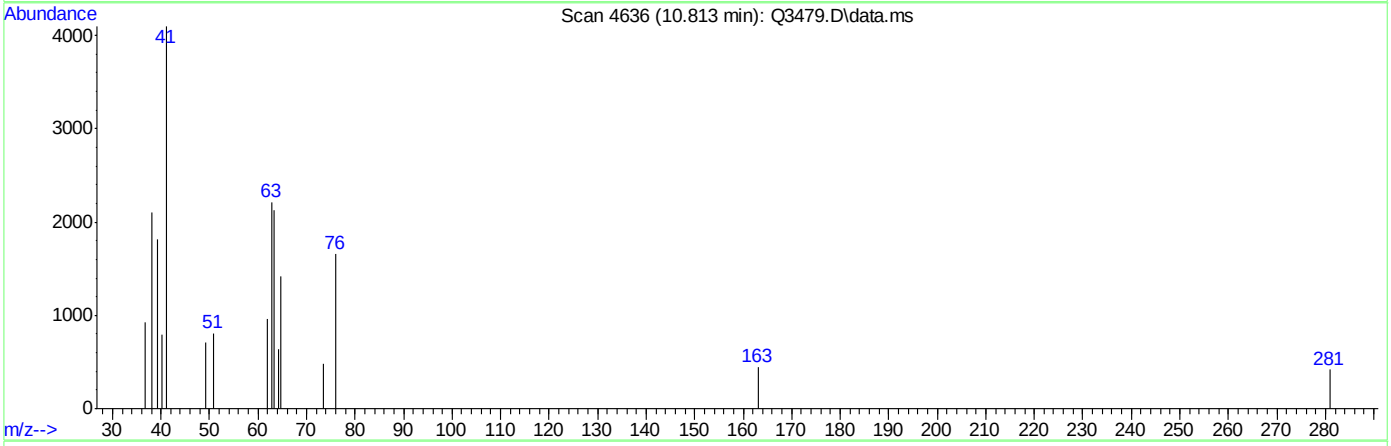
Ion	Exp%	Act%
63.00	100	100
65.00	30.30	42.38
76.00	92.00	58.15#
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\
Data File : Q3479.D
Acq On : 21 May 2007 9:00 pm
Operator : PhilipB
Sample : IC189-.5 (M044)
Misc : MS13602,MSQ189,,,,,1
ALS Vial : 4 Sample Multiplier: 1

Quant Time: May 22 09:21:59 2007
Quant Method : C:\msdchem\1\METHODS\Q051507T.m
Quant Title : TO15 by GCMS w/DB-1 60 m X .25 mm ID 1.0 um
QLast Update : Tue May 22 09:21:54 2007
Response via : Initial Calibration





TIC: Q3479.D\data.ms

(39) 1,2-DICHLOROPROPANE (m)

10.813min (-0.003) 0.51PPBV m

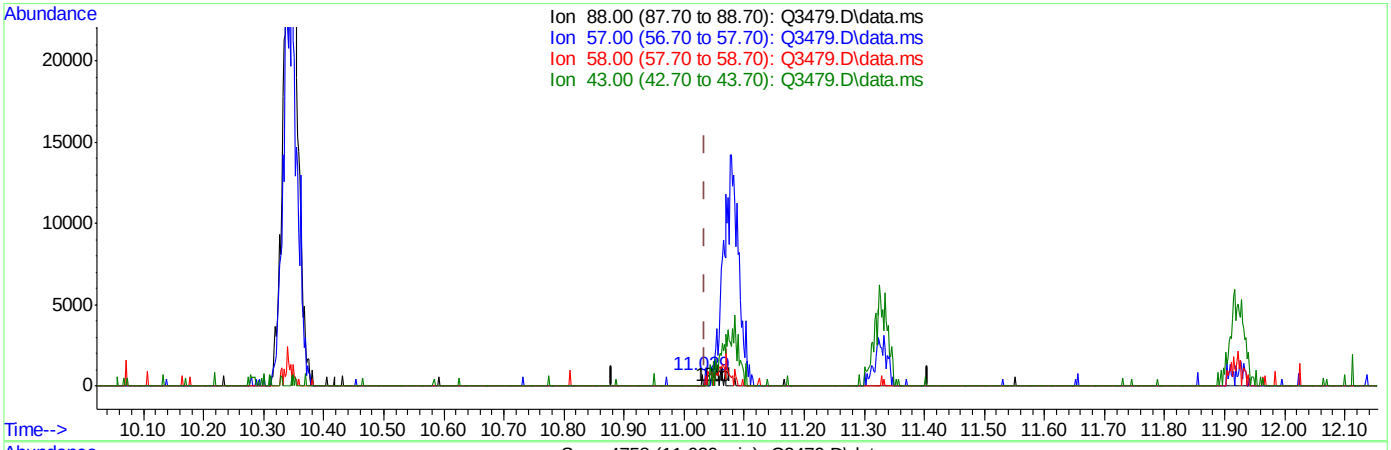
response 5084

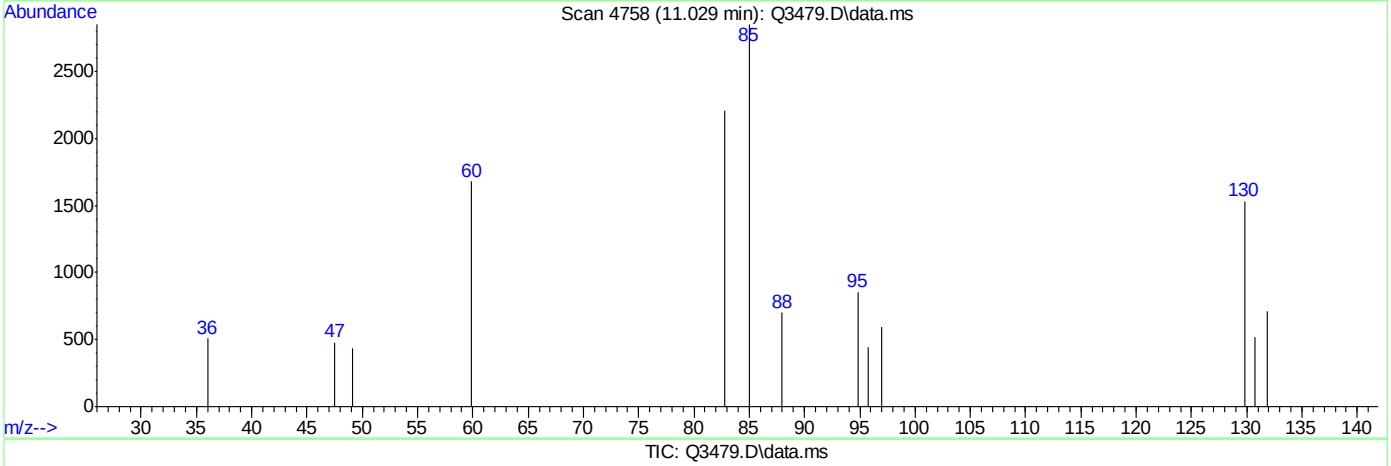
Ion	Exp%	Act%
63.00	100	100
65.00	30.30	25.00
76.00	92.00	34.30#
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\
Data File : Q3479.D
Acq On : 21 May 2007 9:00 pm
Operator : PhilipB
Sample : IC189-.5 (M044)
Misc : MS13602,MSQ189,,,,,1
ALS Vial : 4 Sample Multiplier: 1

Quant Time: May 22 09:21:59 2007
Quant Method : C:\msdchem\1\METHODS\Q051507T.m
Quant Title : TO15 by GCMS w/DB-1 60 m X .25 mm ID 1.0 um
QLast Update : Tue May 22 09:21:54 2007
Response via : Initial Calibration





TIC: Q3479.D\data.ms

(42) 1,4-DIOXANE (m)

11.029min (-0.005) 0.01PPBV

response 75

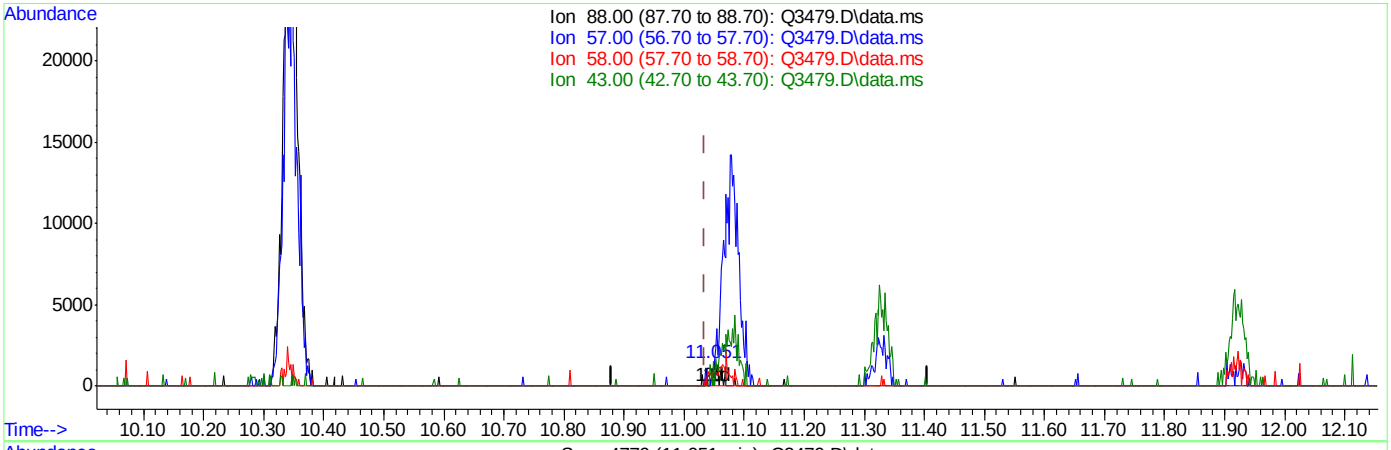
Ion	Exp%	Act%
88.00	100	100
57.00	23.90	0.00#
58.00	54.80	0.00#
43.00	32.10	0.00#

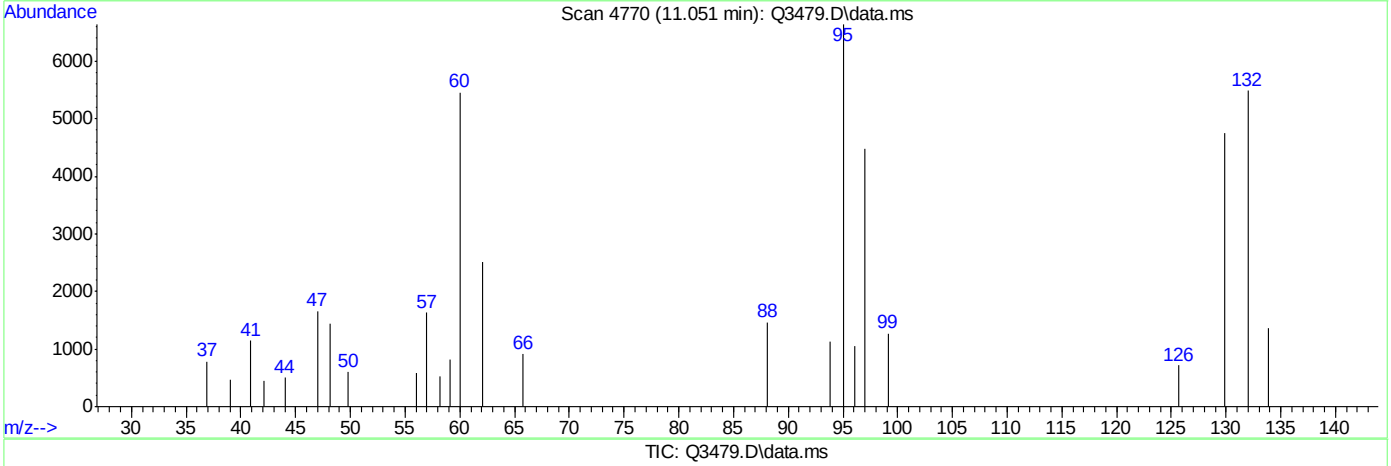
ACCUTEST Laboratories M65137

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\
Data File : Q3479.D
Acq On : 21 May 2007 9:00 pm
Operator : PhilipB
Sample : IC189-.5 (M044)
Misc : MS13602,MSQ189,,,,,1
ALS Vial : 4 Sample Multiplier: 1

Quant Time: May 22 09:21:59 2007
Quant Method : C:\msdchem\1\METHODS\Q051507T.m
Quant Title : TO15 by GCMS w/DB-1 60 m X .25 mm ID 1.0 um
QLast Update : Tue May 22 09:21:54 2007
Response via : Initial Calibration





TIC: Q3479.D\data.ms

(42) 1,4-DIOXANE (m)

11.051min (+0.016) 0.27PPBV m

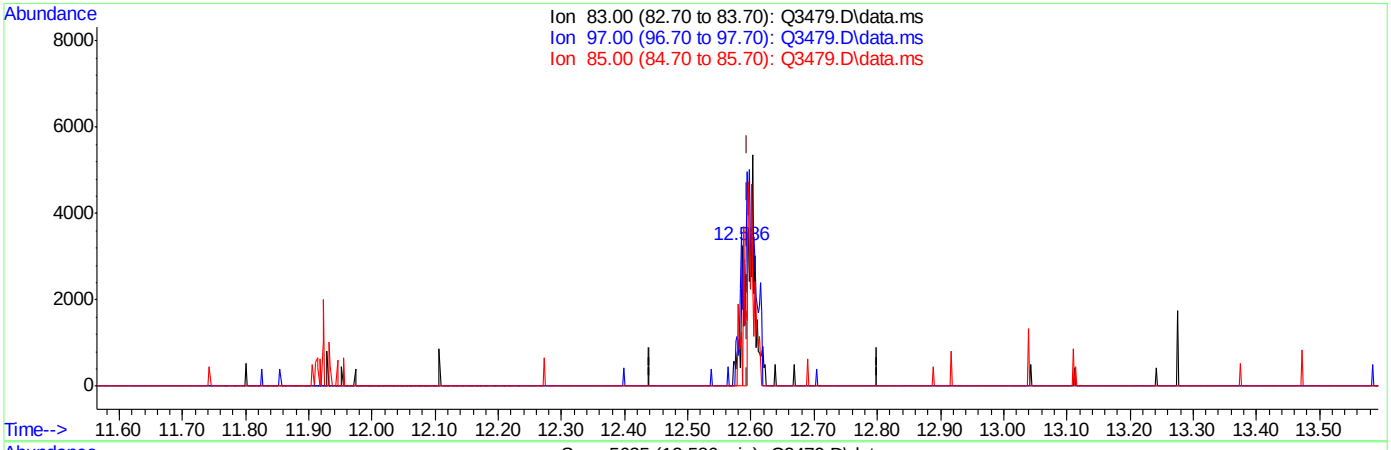
response 1388

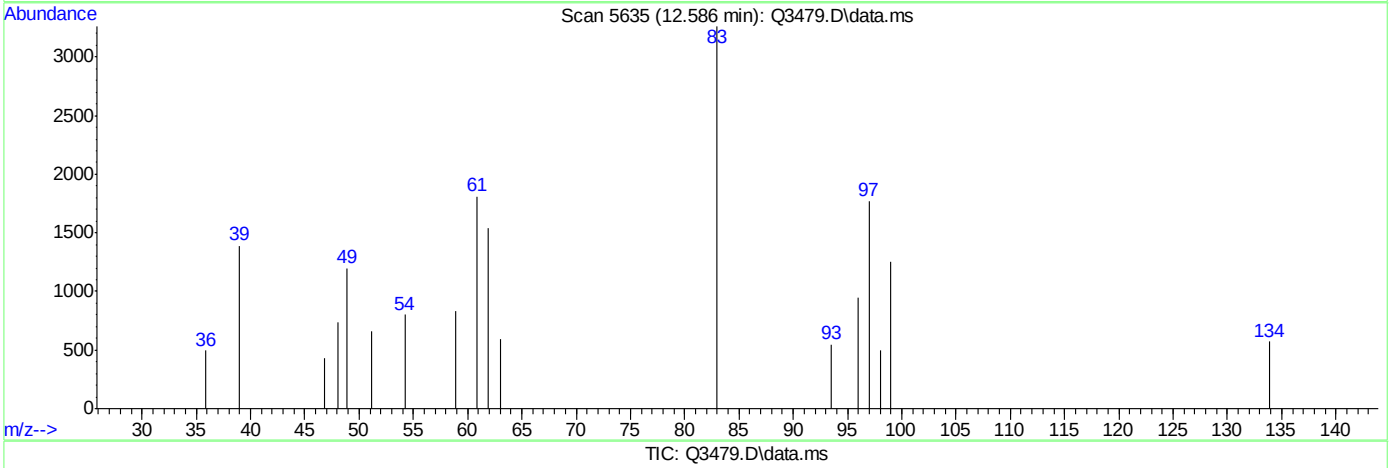
Ion	Exp%	Act%
88.00	100	100
57.00	23.90	111.84#
58.00	54.80	36.41
43.00	32.10	0.00#

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\
Data File : Q3479.D
Acq On : 21 May 2007 9:00 pm
Operator : PhilipB
Sample : IC189-.5 (M044)
Misc : MS13602,MSQ189,,,,,1
ALS Vial : 4 Sample Multiplier: 1

Quant Time: May 22 09:21:59 2007
Quant Method : C:\msdchem\1\METHODS\Q051507T.m
Quant Title : TO15 by GCMS w/DB-1 60 m X .25 mm ID 1.0 um
QLast Update : Tue May 22 09:21:54 2007
Response via : Initial Calibration





TIC: Q3479.D\data.ms

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

12.586min (-0.009) 0.15PPBV

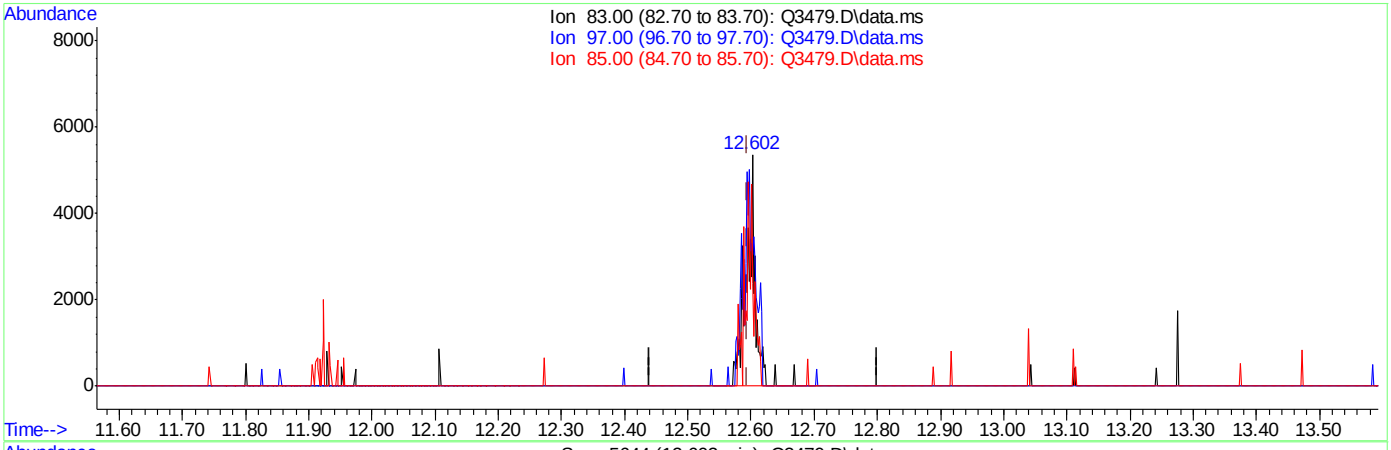
response 1924

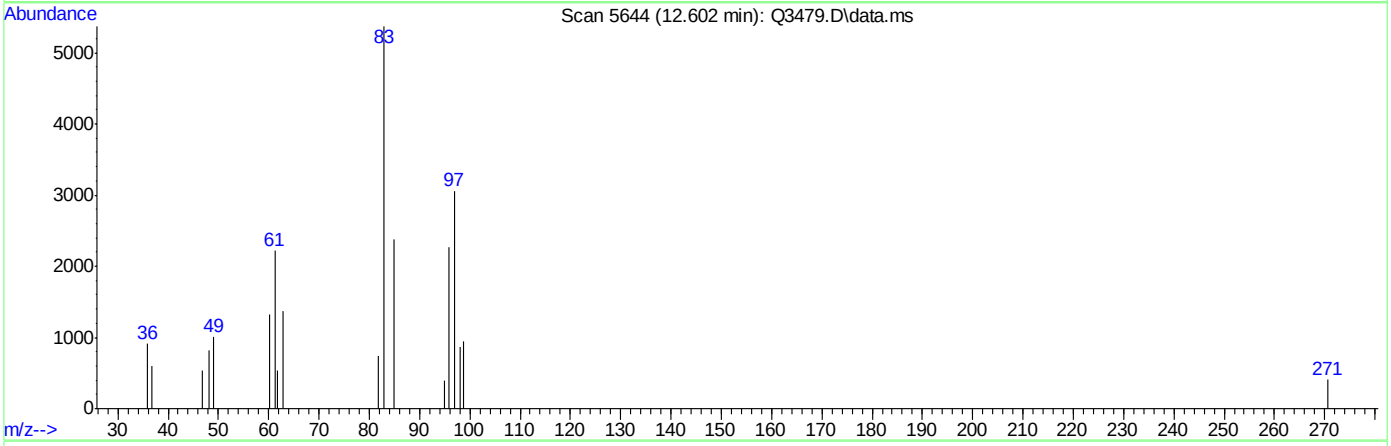
Ion	Exp%	Act%
83.00	100	100
97.00	121.10	0.00#
85.00	65.40	27.34#
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\
Data File : Q3479.D
Acq On : 21 May 2007 9:00 pm
Operator : PhilipB
Sample : IC189-.5 (M044)
Misc : MS13602,MSQ189,,,,,1
ALS Vial : 4 Sample Multiplier: 1

Quant Time: May 22 09:21:59 2007
Quant Method : C:\msdchem\1\METHODS\Q051507T.m
Quant Title : TO15 by GCMS w/DB-1 60 m X .25 mm ID 1.0 um
QLast Update : Tue May 22 09:21:54 2007
Response via : Initial Calibration





TIC: Q3479.D\data.ms

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

12.602min (+0.007) 0.42PPBV m

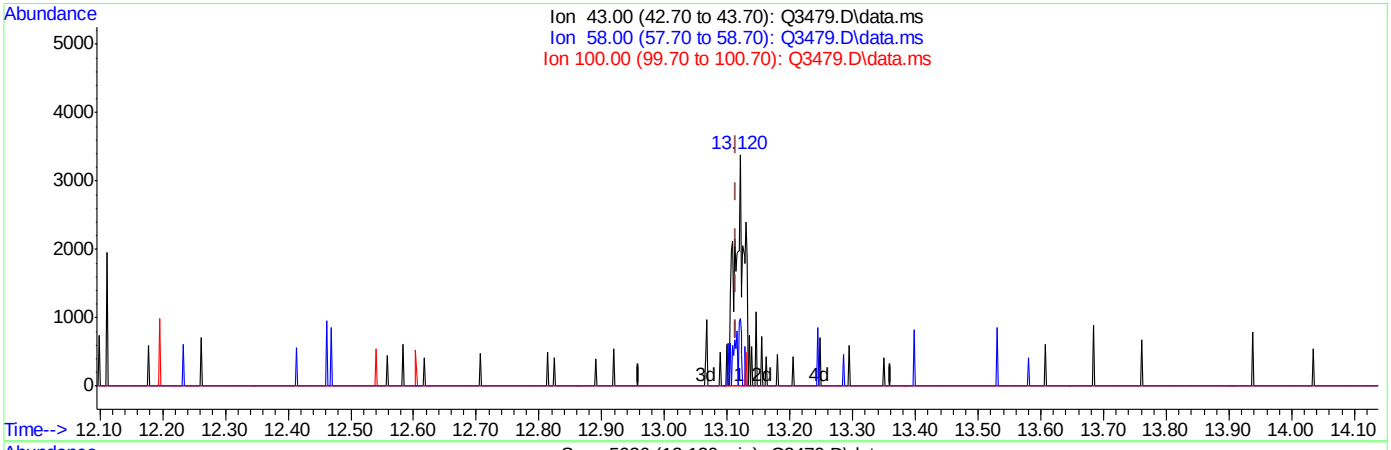
response 5210

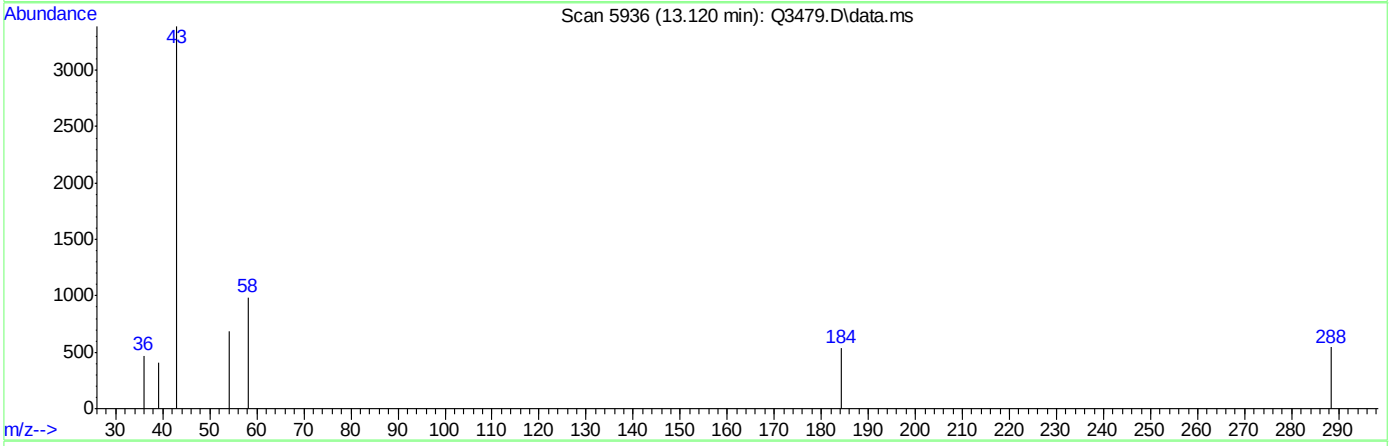
Ion	Exp%	Act%
83.00	100	100
97.00	121.10	0.00#
85.00	65.40	10.10#
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\
Data File : Q3479.D
Acq On : 21 May 2007 9:00 pm
Operator : PhilipB
Sample : IC189-.5 (M044)
Misc : MS13602,MSQ189,,,,,1
ALS Vial : 4 Sample Multiplier: 1

Quant Time: May 22 09:21:59 2007
Quant Method : C:\msdchem\1\METHODS\Q051507T.m
Quant Title : TO15 by GCMS w/DB-1 60 m X .25 mm ID 1.0 um
QLast Update : Tue May 22 09:21:54 2007
Response via : Initial Calibration





TIC: Q3479.D\data.ms

(50) 2-HEXANONE (m)

13.120min (+0.005) 0.16PPBV

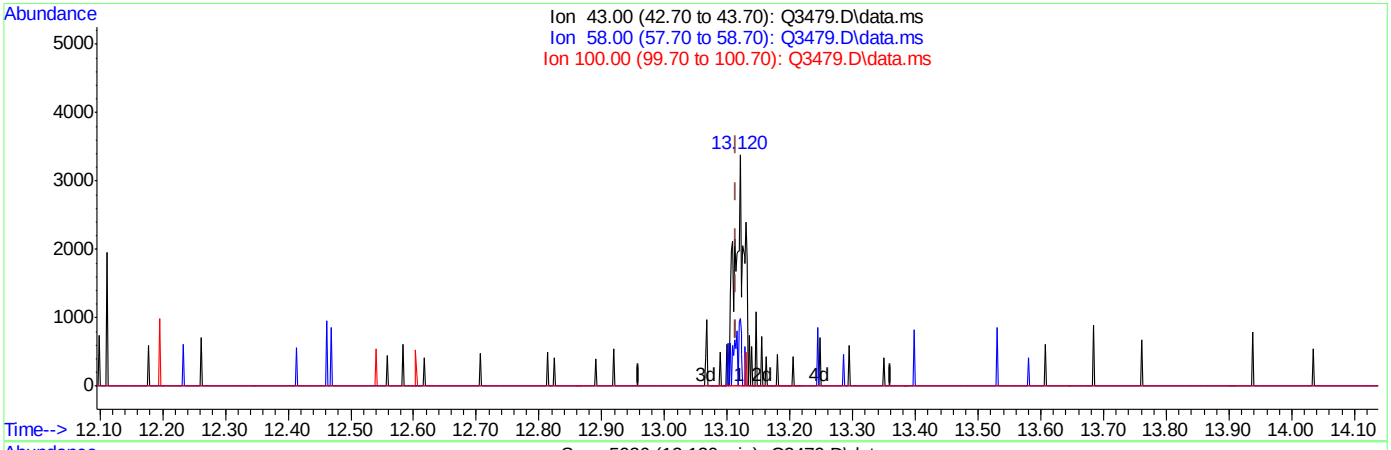
response 3596

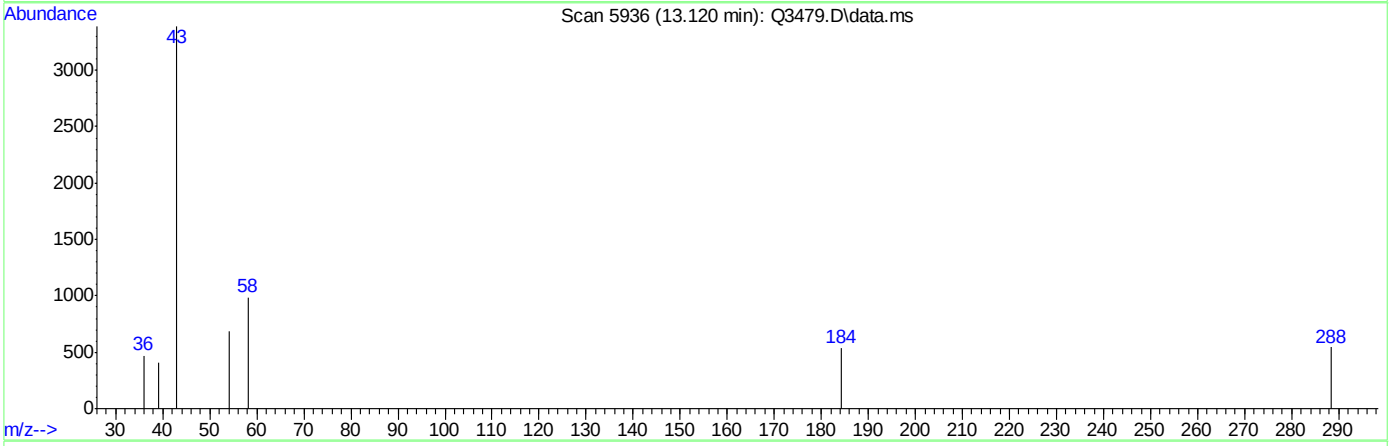
Ion	Exp%	Act%
43.00	100	100
58.00	40.40	11.15#
100.00	8.40	1.47
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\
Data File : Q3479.D
Acq On : 21 May 2007 9:00 pm
Operator : PhilipB
Sample : IC189-.5 (M044)
Misc : MS13602,MSQ189,,,,,1
ALS Vial : 4 Sample Multiplier: 1

Quant Time: May 22 09:21:59 2007
Quant Method : C:\msdchem\1\METHODS\Q051507T.m
Quant Title : TO15 by GCMS w/DB-1 60 m X .25 mm ID 1.0 um
QLast Update : Tue May 22 09:21:54 2007
Response via : Initial Calibration





TIC: Q3479.D\data.ms

(50) 2-HEXANONE (m)

13.120min (+0.005) 0.18PPBV m

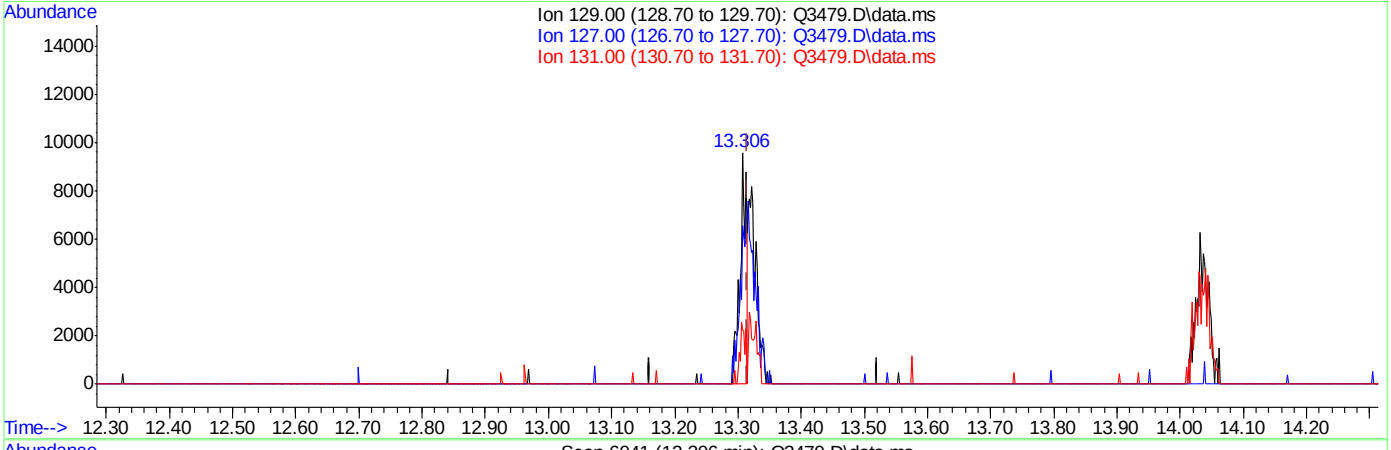
response 4045

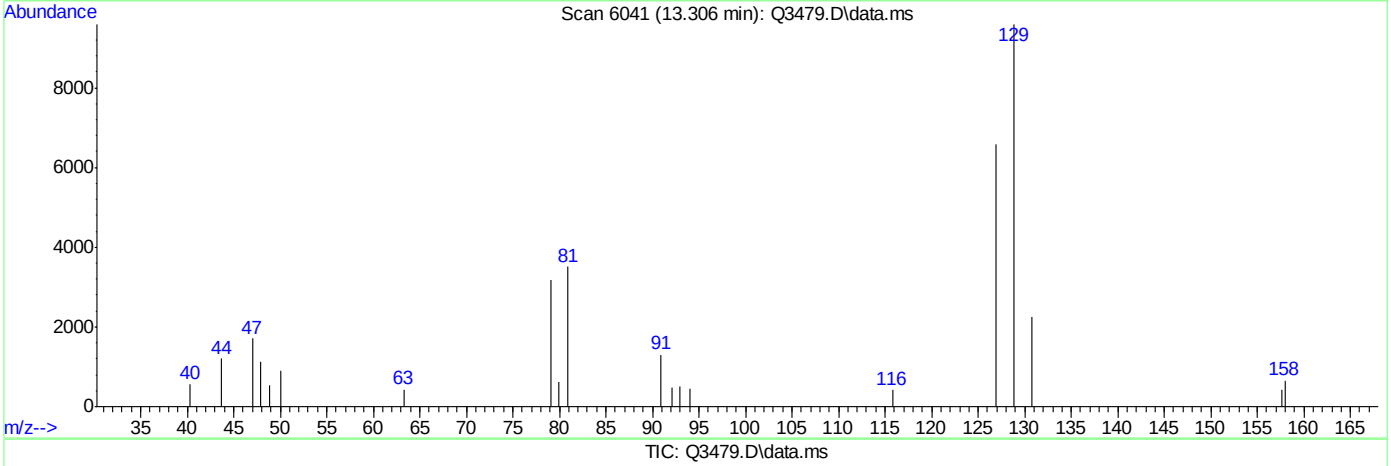
Ion	Exp%	Act%
43.00	100	100
58.00	40.40	9.91#
100.00	8.40	1.31
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\
Data File : Q3479.D
Acq On : 21 May 2007 9:00 pm
Operator : PhilipB
Sample : IC189-.5 (M044)
Misc : MS13602,MSQ189,,,,,1
ALS Vial : 4 Sample Multiplier: 1

Quant Time: May 22 09:21:59 2007
Quant Method : C:\msdchem\1\METHODS\Q051507T.m
Quant Title : TO15 by GCMS w/DB-1 60 m X .25 mm ID 1.0 um
QLast Update : Tue May 22 09:21:54 2007
Response via : Initial Calibration





(52) DIBROMOCHLOROMETHANE (m)

13.306min (-0.009) 0.19PPBV

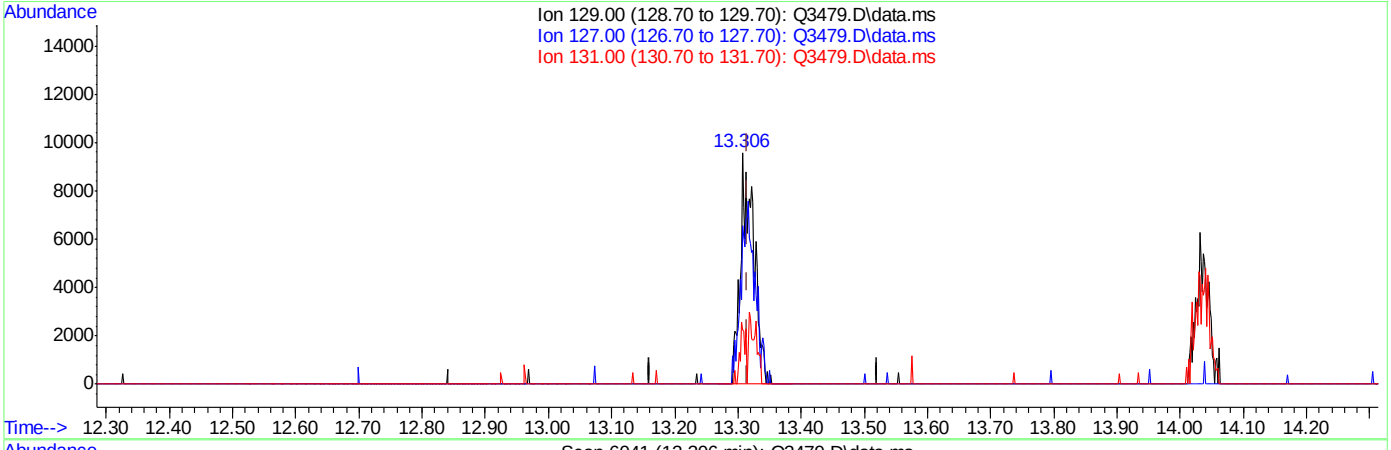
response 6667

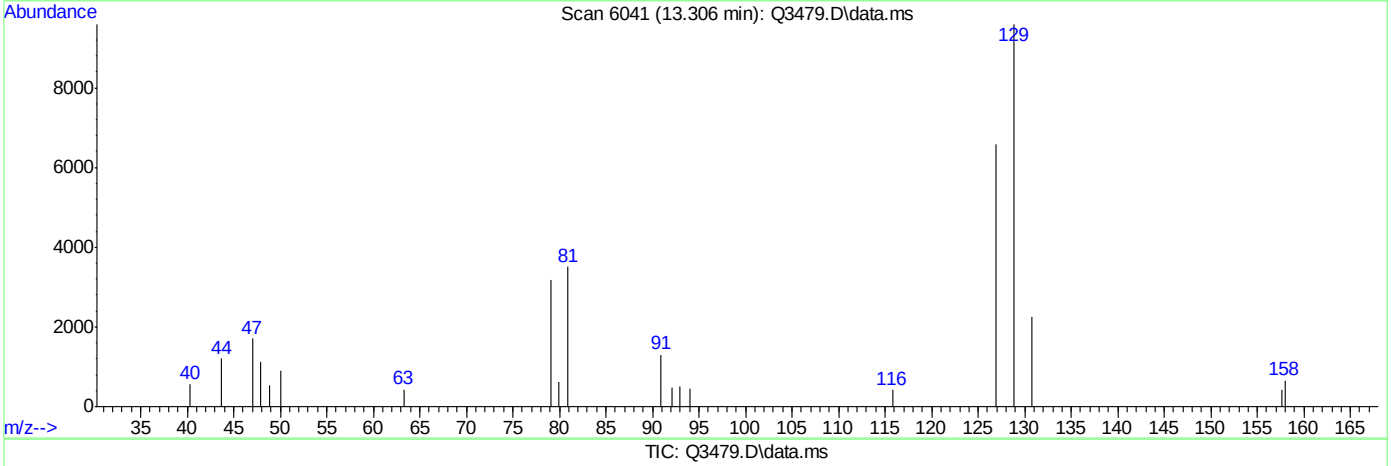
Ion	Exp%	Act%
129.00	100	100
127.00	78.00	0.00#
131.00	25.60	22.06
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\
Data File : Q3479.D
Acq On : 21 May 2007 9:00 pm
Operator : PhilipB
Sample : IC189-.5 (M044)
Misc : MS13602,MSQ189,,,,,1
ALS Vial : 4 Sample Multiplier: 1

Quant Time: May 22 09:21:59 2007
Quant Method : C:\msdchem\1\METHODS\Q051507T.m
Quant Title : TO15 by GCMS w/DB-1 60 m X .25 mm ID 1.0 um
QLast Update : Tue May 22 09:21:54 2007
Response via : Initial Calibration





(52) DIBROMOCHLOROMETHANE (m)

13.306min (-0.009) 0.41PPBV m

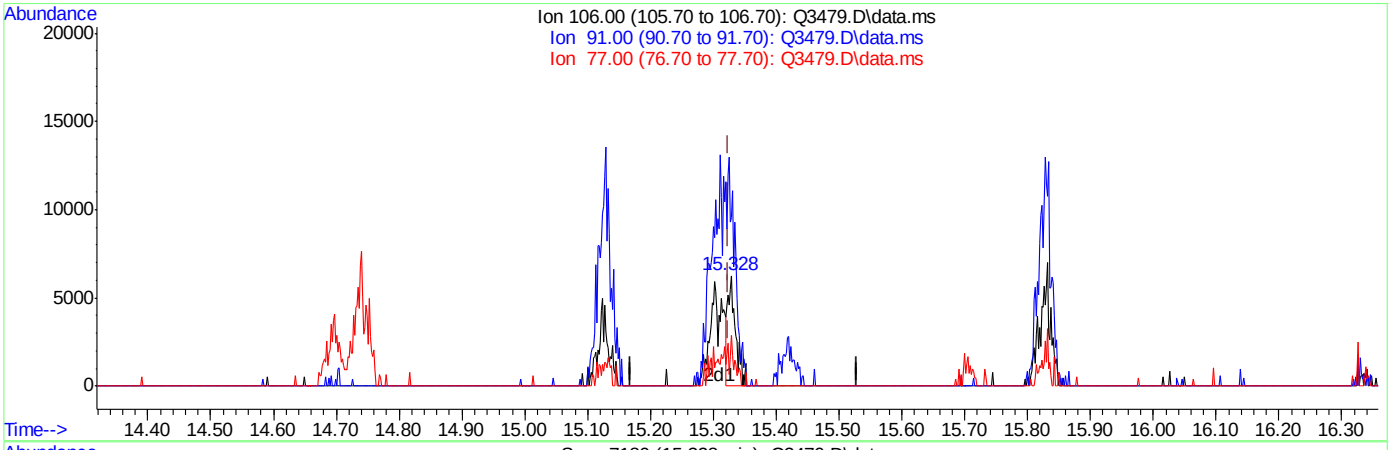
response 14101

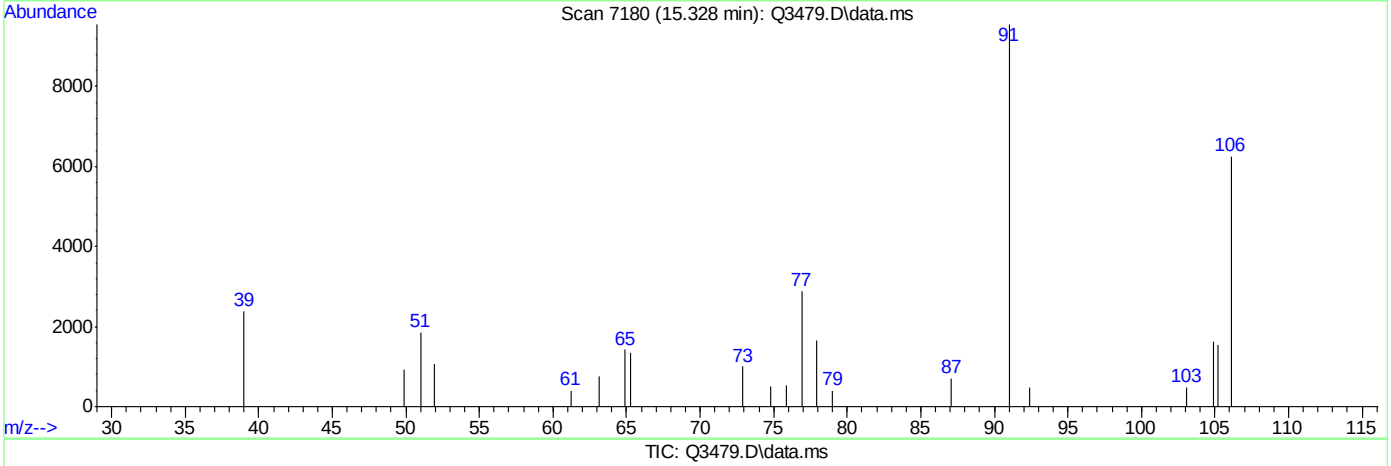
Ion	Exp%	Act%
129.00	100	100
127.00	78.00	0.00#
131.00	25.60	10.43
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\
Data File : Q3479.D
Acq On : 21 May 2007 9:00 pm
Operator : PhilipB
Sample : IC189-.5 (M044)
Misc : MS13602,MSQ189,,,,,1
ALS Vial : 4 Sample Multiplier: 1

Quant Time: May 22 09:21:59 2007
Quant Method : C:\msdchem\1\METHODS\Q051507T.m
Quant Title : TO15 by GCMS w/DB-1 60 m X .25 mm ID 1.0 um
QLast Update : Tue May 22 09:21:54 2007
Response via : Initial Calibration





TIC: Q3479.D\data.ms

(56) m,p-XYLENE (m)

15.328min (+0.004) 0.28PPBV

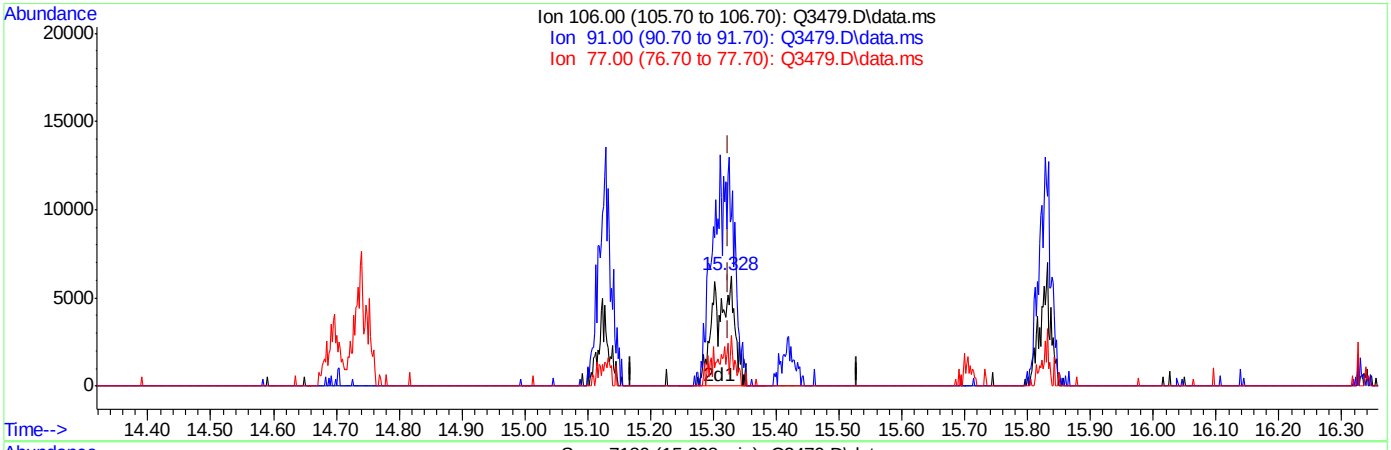
response 5501

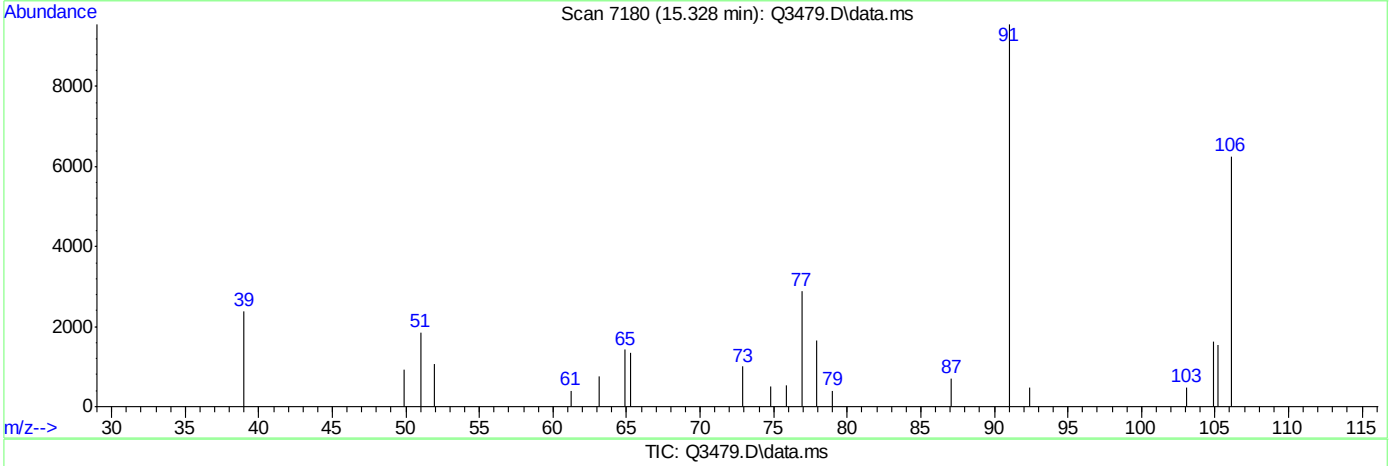
Ion	Exp%	Act%
106.00	100	100
91.00	204.20	152.59#
77.00	30.60	46.17#
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\
Data File : Q3479.D
Acq On : 21 May 2007 9:00 pm
Operator : PhilipB
Sample : IC189-.5 (M044)
Misc : MS13602,MSQ189,,,,,1
ALS Vial : 4 Sample Multiplier: 1

Quant Time: May 22 09:21:59 2007
Quant Method : C:\msdchem\1\METHODS\Q051507T.m
Quant Title : TO15 by GCMS w/DB-1 60 m X .25 mm ID 1.0 um
QLast Update : Tue May 22 09:21:54 2007
Response via : Initial Calibration





TIC: Q3479.D\data.ms

(56) m,p-XYLENE (m)

15.328min (+0.004) 0.70PPBV m

response 13556

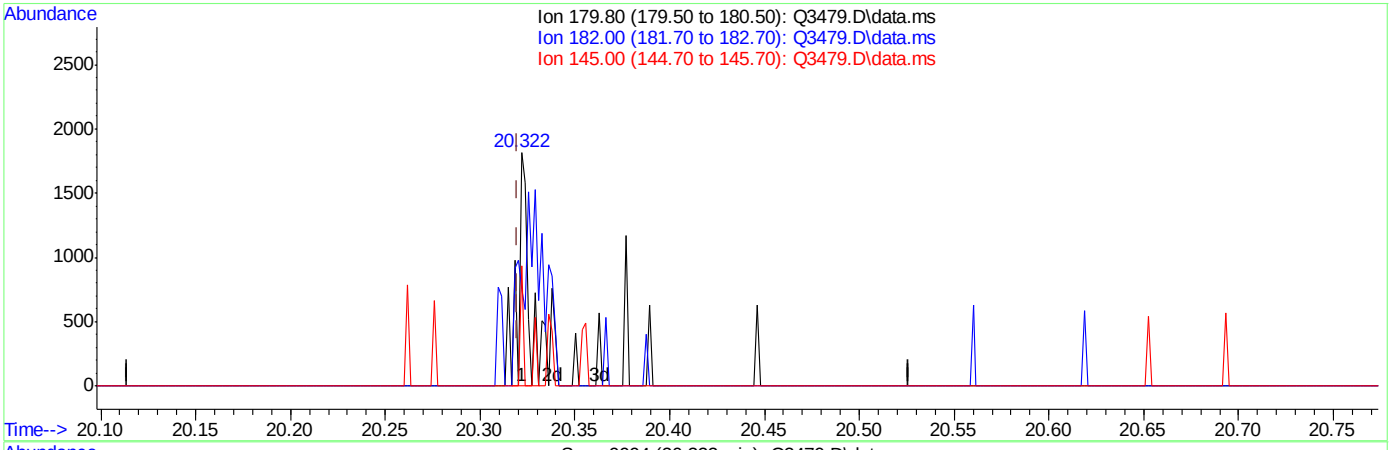
Ion	Exp%	Act%
106.00	100	100
91.00	204.20	152.59#
77.00	30.60	46.17#
0.00	0.00	0.00

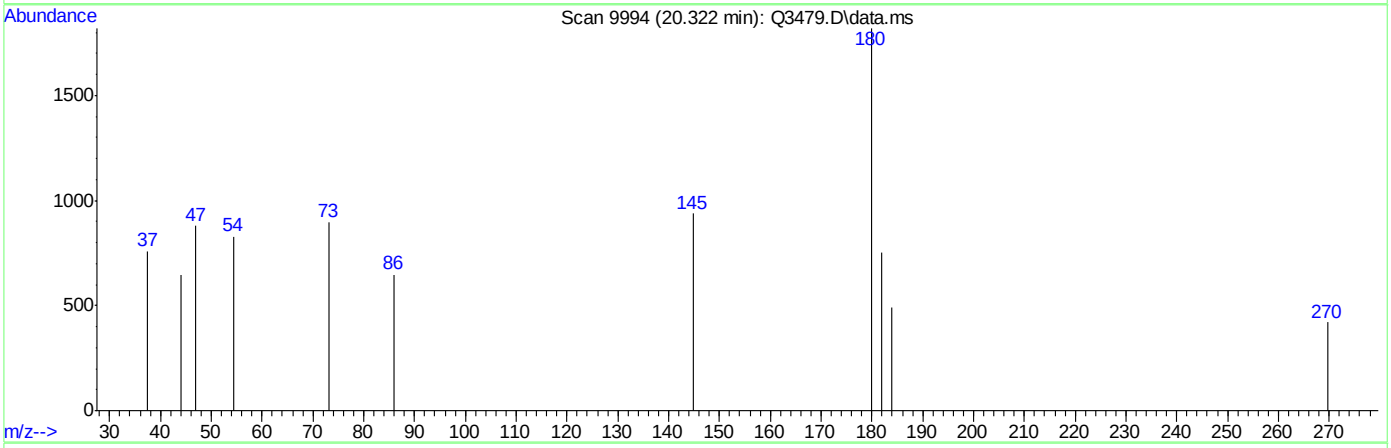
ACCUTEST Laboratories M65137

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\
Data File : Q3479.D
Acq On : 21 May 2007 9:00 pm
Operator : PhilipB
Sample : IC189-.5 (M044)
Misc : MS13602,MSQ189,,,,,1
ALS Vial : 4 Sample Multiplier: 1

Quant Time: May 22 09:21:59 2007
Quant Method : C:\msdchem\1\METHODS\Q051507T.m
Quant Title : TO15 by GCMS w/DB-1 60 m X .25 mm ID 1.0 um
QLast Update : Tue May 22 09:21:54 2007
Response via : Initial Calibration





TIC: Q3479.D\data.ms

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

20.322min (+0.002) 0.15PPBV

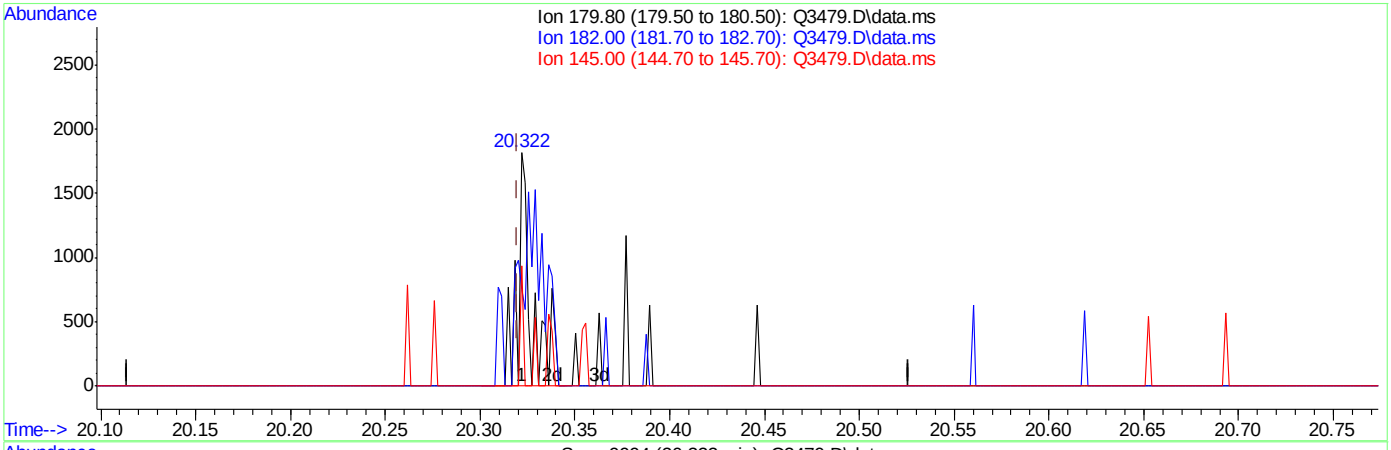
response 598

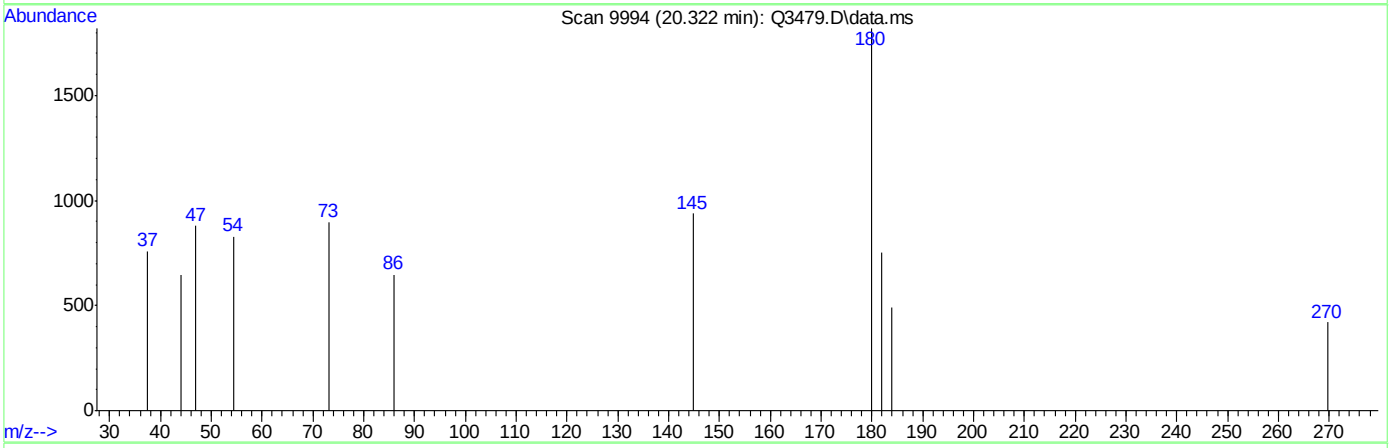
Ion	Exp%	Act%
179.80	100	100
182.00	91.20	26.09#
145.00	35.30	0.00#
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\
Data File : Q3479.D
Acq On : 21 May 2007 9:00 pm
Operator : PhilipB
Sample : IC189-.5 (M044)
Misc : MS13602,MSQ189,,,,,1
ALS Vial : 4 Sample Multiplier: 1

Quant Time: May 22 09:21:59 2007
Quant Method : C:\msdchem\1\METHODS\Q051507T.m
Quant Title : TO15 by GCMS w/DB-1 60 m X .25 mm ID 1.0 um
QLast Update : Tue May 22 09:21:54 2007
Response via : Initial Calibration





TIC: Q3479.D\data.ms

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

20.322min (+0.002) 0.22PPBV m

response 908

Ion	Exp%	Act%
179.80	100	100
182.00	91.20	17.18#
145.00	35.30	0.00#
0.00	0.00	0.00

Q3480.D

Manual Integrations APPROVED (compounds with "m" flag)

Doug Yargeau 05/23/07 16:02

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\
Data File : Q3480.D
Acq On : 21 May 2007 9:43 pm
Operator : PhilipB
Sample : IC189-.2 (M044)
Misc : MS13602,MSQ189,,,,,1
ALS Vial : 4 Sample Multiplier: 1

Quant Time: May 22 09:31:07 2007
Quant Method : C:\msdchem\1\METHODS\Q051507T.m
Quant Title : TO15 by GCMS w/DB-1 60 m X .25 mm ID 1.0 um
QLast Update : Tue May 22 09:25:38 2007
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) BROMOCHLOROMETHANE	8.426	128	48618	10.00	PPBV	0.00
35) 1,4-DIFLUOROBENZENE	10.346	114	225306	10.00	PPBV	0.00
49) CHLOROBENZENE-D5	14.698	117	206831	10.00	PPBV	0.00

System Monitoring Compounds

61) 4-BROMOFLUOROBENZENE	16.336	95	78406	4.95	PPBV	0.00

Spiked Amount 5.000 Range 57 - 139 Recovery = 99.00%

Target Compounds						Qvalue
2) DICHLORODIFLUOROMETHANE	3.605	85	7882	0.19	PPBV	76
4) FREON 114	3.868	85	7160	0.19	PPBV #	100
5) CHLOROMETHANE	3.765	50	2200	0.25	PPBV	97
6) VINYL CHLORIDE	3.989	62	1801	0.20	PPBV #	47
7) 1,3-BUTADIENE	4.127	39	2197	0.22	PPBV #	100
8) BROMOMETHANE	4.401	94	2892m	0.27	PPBV	
9) CHLOROETHANE	4.594	64	1343m	0.31	PPBV	
10) TRICHLOROFLUOROMETHANE	5.398	101	14660	0.25	PPBV #	100
11) ISOPROPYL ALCOHOL	5.464	45	7493	0.42	PPBV	69
12) ACETONE	5.212	43	8524	0.41	PPBV	92
13) PENTANE	5.767	42	3465	0.33	PPBV #	100
14) 1,1-DICHLOROETHYLENE	6.074	96	3003	0.24	PPBV #	18
15) CARBON DISULFIDE	6.528	76	8215m	0.26	PPBV	
17) BROMOETHENE	4.958	106	2599	0.22	PPBV #	100
18) METHYLENE CHLORIDE	6.200	84	9596	0.78	PPBV #	1
19) 3-CHLOROPROPENE	6.333	39	5194m	0.32	PPBV	
20) FREON 113	6.473	151	11185m	0.30	PPBV	
21) TRANS-1,2-DICHLOROETHY...	7.196	96	3173	0.26	PPBV #	100
22) TERTIARY BUTYL ALCOHOL	6.103	59	7161m	0.31	PPBV	
23) METHYL TERTIARY BUTYL ...	7.462	73	6844	0.25	PPBV #	100
26) VINYL ACETATE	7.533	43	2507m	0.11	PPBV	
27) 1,1-DICHLOROETHANE	7.398	63	6578	0.31	PPBV #	100
29) cis-1,2-DICHLOROETHYLENE	8.271	96	972m	0.14	PPBV	
31) CHLOROFORM	8.561	83	4772m	0.21	PPBV	
32) 1,1,1-TRICHLOROETHANE	9.546	97	5925m	0.23	PPBV	
33) CARBON TETRACHLORIDE	10.169	117	5447	0.18	PPBV	94
34) 1,2-DICHLOROETHANE	9.304	62	2936	0.19	PPBV	99
36) BENZENE	10.007	78	3853	0.20	PPBV	79
38) TRICHLOROETHYLENE	11.061	95	1958	0.16	PPBV #	8
39) 1,2-DICHLOROPROPANE	10.820	63	756	0.11	PPBV #	34
40) BROMODICHLOROMETHANE	11.010	83	3971	0.17	PPBV #	42
41) 2,2,4-TRIMETHYLPENTANE	11.081	57	5400m	0.17	PPBV	
43) HEPTANE	11.320	43	1423m	0.11	PPBV	
46) TOLUENE	12.877	92	1333m	0.10	PPBV	
48) 1,1,2-TRICHLOROETHANE	12.584	83	1143m	0.14	PPBV	
51) TETRACHLOROETHYLENE	14.030	164	1724m	0.17	PPBV	
52) DIBROMOCHLOROMETHANE	13.312	129	3752m	0.16	PPBV	
53) 1,2-DIBROMOETHANE	13.573	107	1447m	0.08	PPBV	
62) 1,1,2,2-TETRACHLOROETHANE	15.818	83	5486m	0.24	PPBV	
63) ISOPROPYLBENZENE	16.474	105	5224	0.14	PPBV	74
64) 2-CHLOROTOLUENE	17.030	91	3006m	0.11	PPBV	

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\
Data File : Q3480.D
Acq On : 21 May 2007 9:43 pm
Operator : PhilipB
Sample : IC189-.2 (M044)
Misc : MS13602,MSQ189,,,,,1
ALS Vial : 4 Sample Multiplier: 1

Quant Time: May 22 09:31:07 2007
Quant Method : C:\msdchem\1\METHODS\Q051507T.m
Quant Title : TO15 by GCMS w/DB-1 60 m X .25 mm ID 1.0 um
QLast Update : Tue May 22 09:25:38 2007
Response via : Initial Calibration

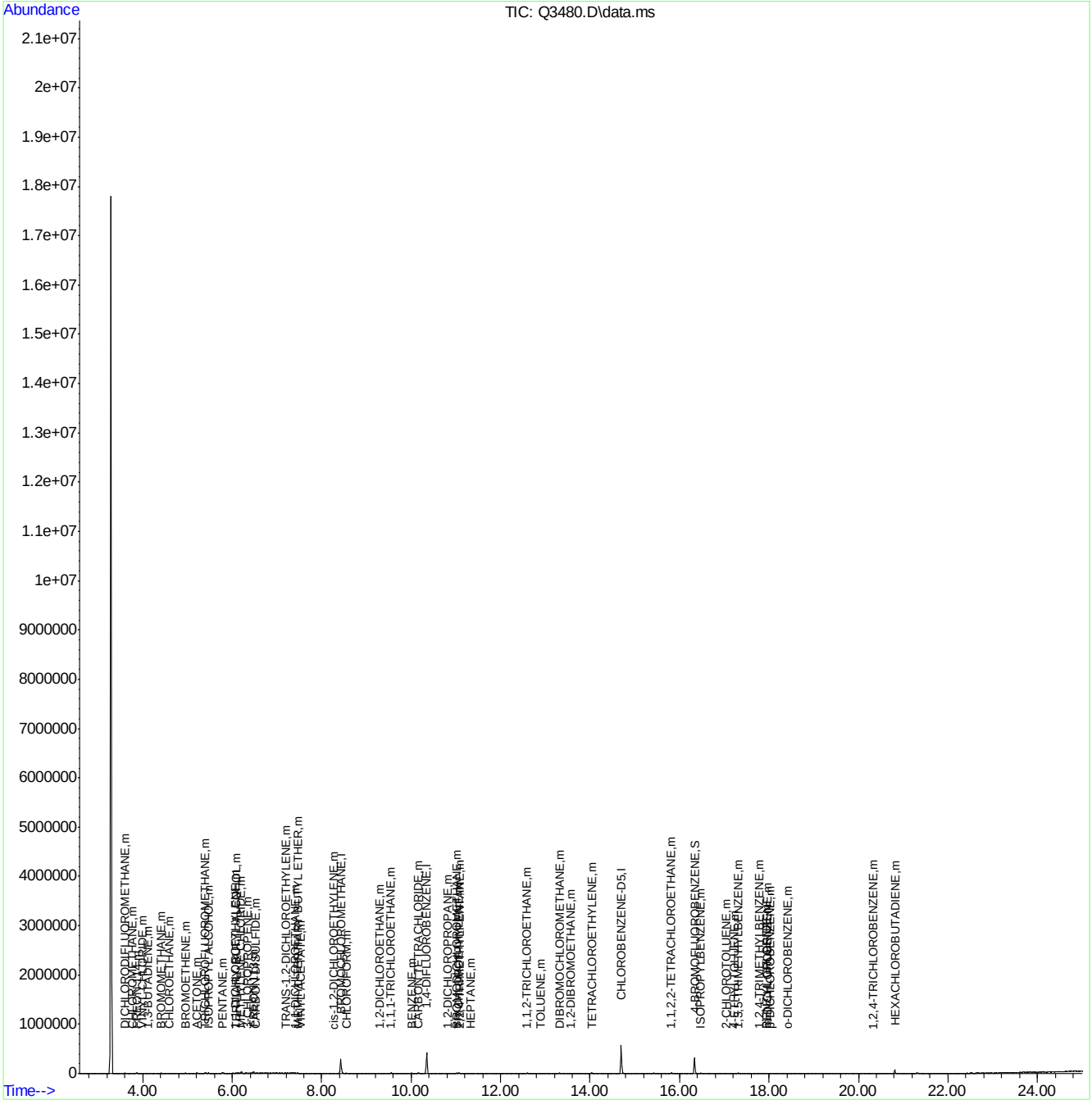
Internal Standards	R.T.	QIon	Response	Conc	Units		Dev(Min)
65) 4-ETHYLTOLUENE	17.223	105	2006m	0.06	PPBV		
66) 1,3,5-TRIMETHYLBENZENE	17.308	105	2777	0.09	PPBV		83
67) 1,2,4-TRIMETHYLBENZENE	17.775	105	1781	0.06	PPBV	#	88
68) m-DICHLOROBENZENE	17.960	146	685m	0.04	PPBV		
69) BENZYL CHLORIDE	17.937	91	813m	0.05	PPBV		
70) p-DICHLOROBENZENE	18.034	146	514m	0.03	PPBV		
71) o-DICHLOROBENZENE	18.418	146	1598m	0.10	PPBV		
72) HEXACHLOROBUTADIENE	20.808	225	7747	0.92	PPBV		92
73) 1,2,4-TRICHLOROBENZENE	20.326	180	285m	0.10	PPBV		

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

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\
Data File : Q3480.D
Acq On : 21 May 2007 9:43 pm
Operator : PhilipB
Sample : IC189-.2 (M044)
Misc : MS13602,MSQ189,,,,,1
ALS Vial : 4 Sample Multiplier: 1

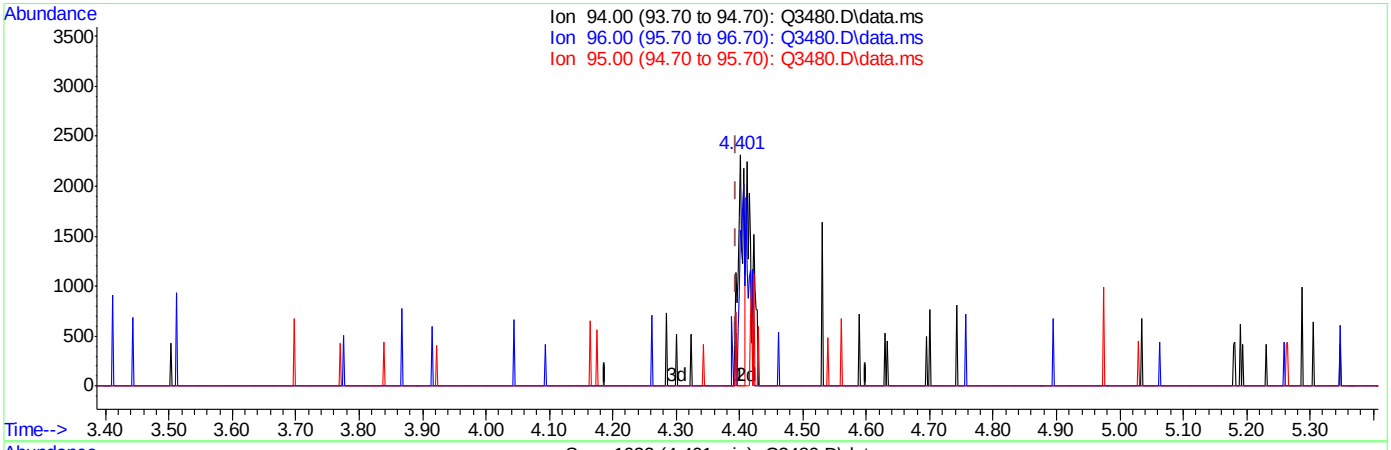
Quant Time: May 22 09:31:07 2007
Quant Method : C:\msdchem\1\METHODS\Q051507T.m
Quant Title : TO15 by GCMS w/DB-1 60 m X .25 mm ID 1.0 um
QLast Update : Tue May 22 09:25:38 2007
Response via : Initial Calibration

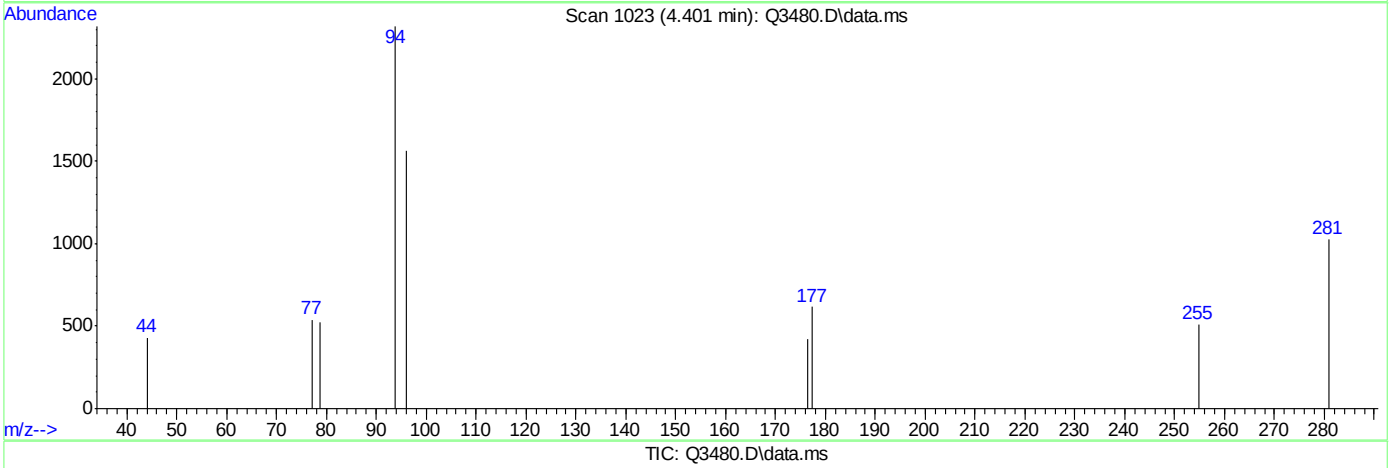


Quantitation Report (Qedit)

```
Data Path : C:\msdchem\1\DATA\
Data File : Q3480.D
Acq On    : 21 May 2007   9:43 pm
Operator  : PhilipB
Sample    : IC189-.2 (M044)
Misc      : MS13602,MSQ189,,,,,1
ALS Vial  : 4   Sample Multiplier: 1

Quant Time: May 22 09:25:45 2007
Quant Method : C:\msdchem\1\METHODS\Q051507T.m
Quant Title  : TO15  by GCMS w/DB-1 60 m X .25 mm ID 1.0 um
QLast Update : Tue May 22 09:25:38 2007
Response via : Initial Calibration
```



TIC: Q3480.D\data.ms

(8) BROMOMETHANE (m)

4.401min (+0.006) 0.14PPBV

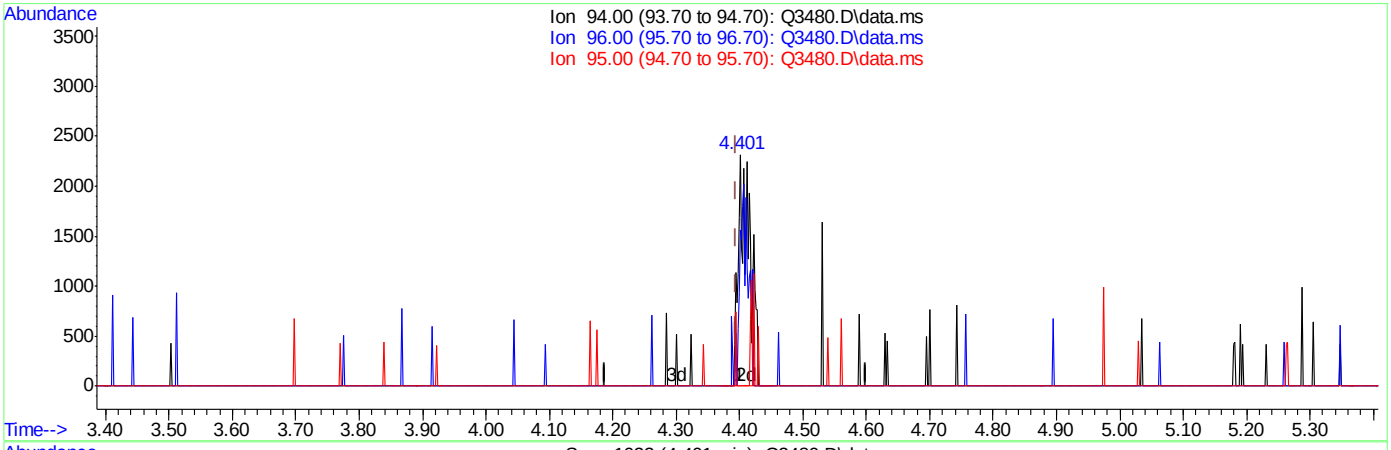
response 1429

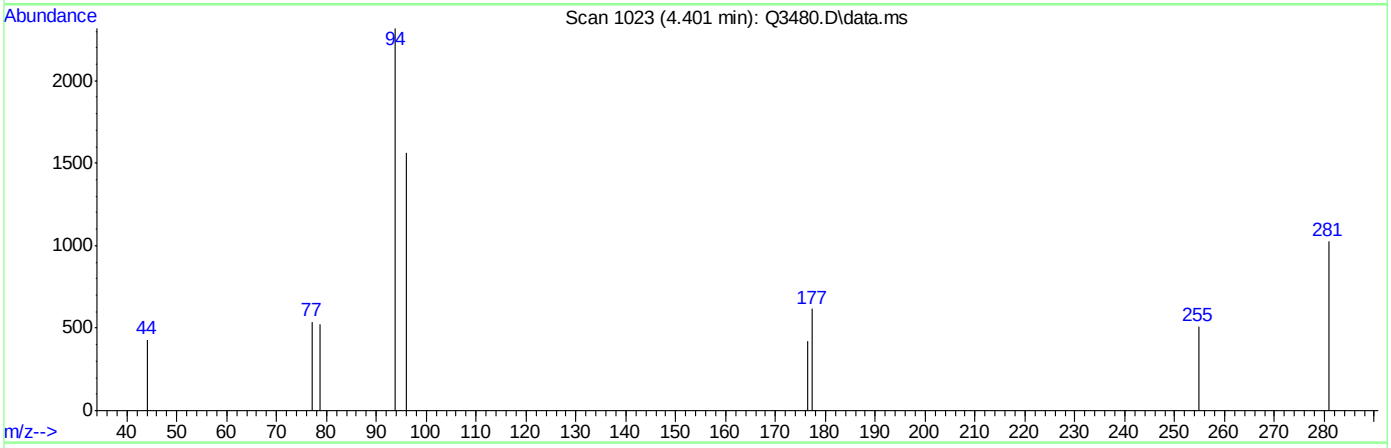
Ion	Exp%	Act%
94.00	100	100
96.00	0.00	0.00
95.00	0.00	5.53
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\
Data File : Q3480.D
Acq On : 21 May 2007 9:43 pm
Operator : PhilipB
Sample : IC189-.2 (M044)
Misc : MS13602,MSQ189,,,,,1
ALS Vial : 4 Sample Multiplier: 1

Quant Time: May 22 09:25:45 2007
Quant Method : C:\msdchem\1\METHODS\Q051507T.m
Quant Title : TO15 by GCMS w/DB-1 60 m X .25 mm ID 1.0 um
QLast Update : Tue May 22 09:25:38 2007
Response via : Initial Calibration





TIC: Q3480.D\data.ms

(8) BROMOMETHANE (m)

4.401min (+0.006) 0.27PPBV m

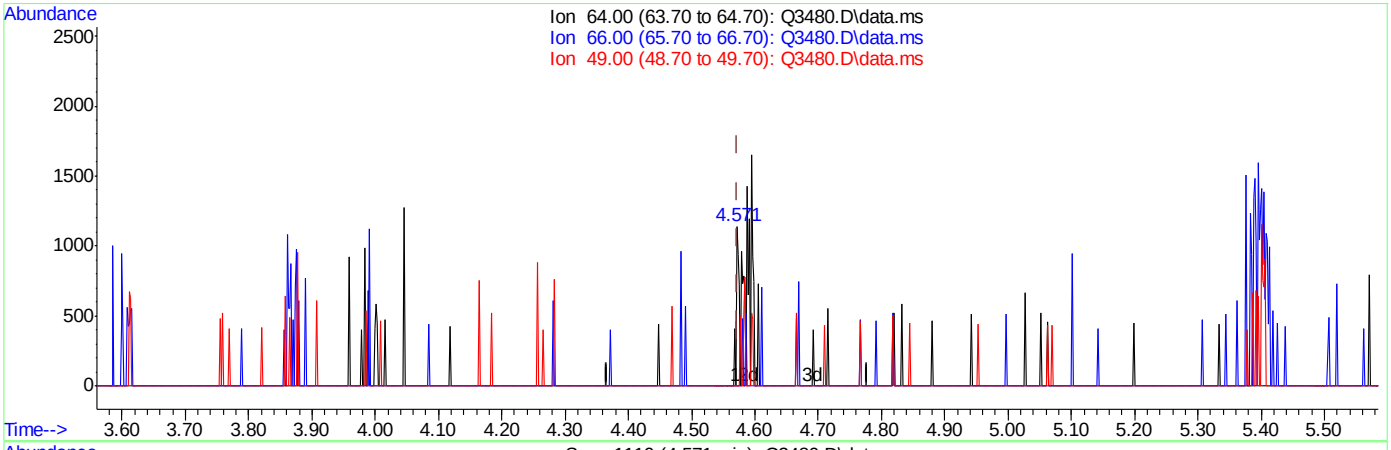
response 2892

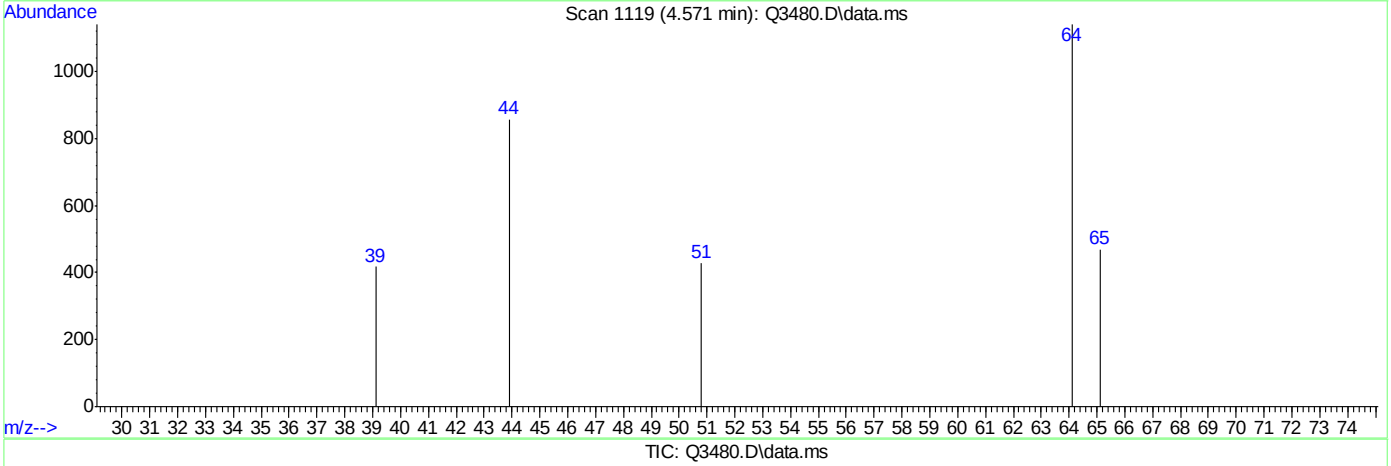
Ion	Exp%	Act%
94.00	100	100
96.00	0.00	0.00
95.00	0.00	2.73
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\
Data File : Q3480.D
Acq On : 21 May 2007 9:43 pm
Operator : PhilipB
Sample : IC189-.2 (M044)
Misc : MS13602,MSQ189,,,,,1
ALS Vial : 4 Sample Multiplier: 1

Quant Time: May 22 09:25:45 2007
Quant Method : C:\msdchem\1\METHODS\Q051507T.m
Quant Title : TO15 by GCMS w/DB-1 60 m X .25 mm ID 1.0 um
QLast Update : Tue May 22 09:25:38 2007
Response via : Initial Calibration





TIC: Q3480.D\data.ms

(9) CHLOROETHANE (m)

4.571min (-0.002) 0.16PPBV

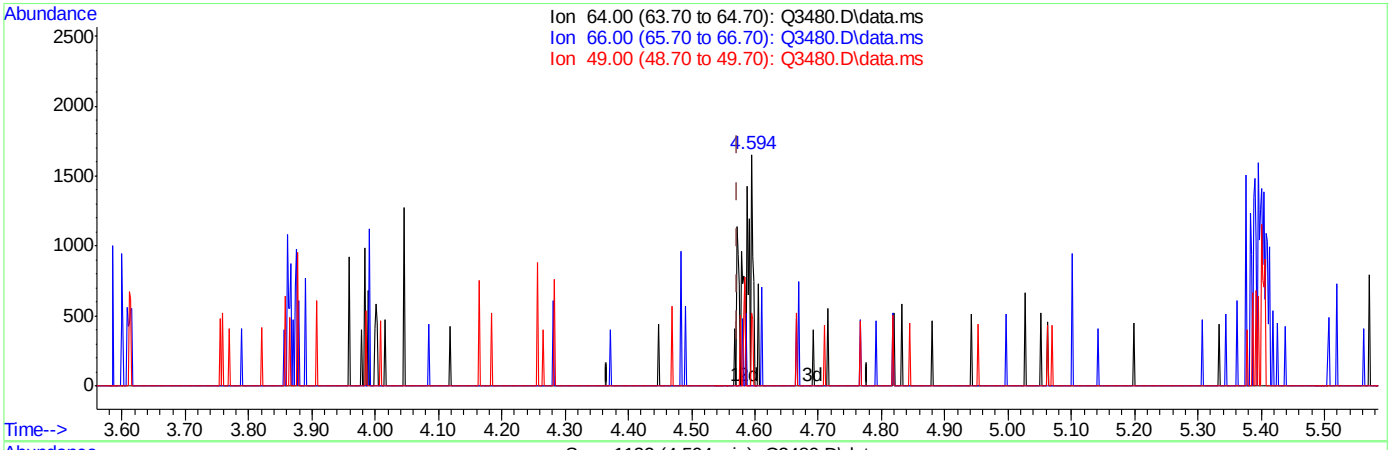
response 683

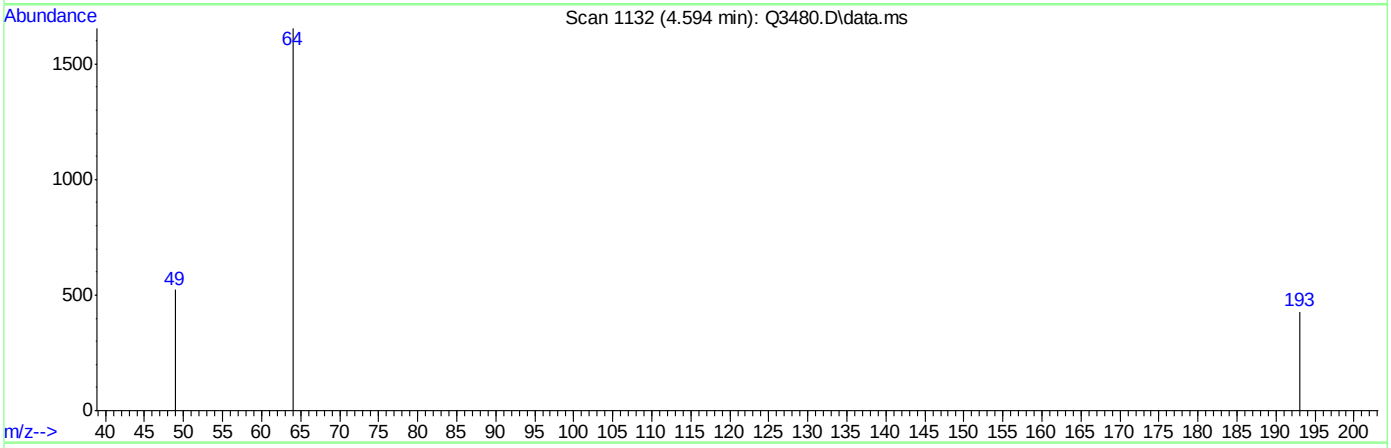
Ion	Exp%	Act%
64.00	100	100
66.00	0.00	15.81
49.00	0.00	27.96#
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\
Data File : Q3480.D
Acq On : 21 May 2007 9:43 pm
Operator : PhilipB
Sample : IC189-.2 (M044)
Misc : MS13602,MSQ189,,,,,1
ALS Vial : 4 Sample Multiplier: 1

Quant Time: May 22 09:25:45 2007
Quant Method : C:\msdchem\1\METHODS\Q051507T.m
Quant Title : TO15 by GCMS w/DB-1 60 m X .25 mm ID 1.0 um
QLast Update : Tue May 22 09:25:38 2007
Response via : Initial Calibration





TIC: Q3480.D\data.ms

(9) CHLOROETHANE (m)

4.594min (+0.021) 0.31PPBV m

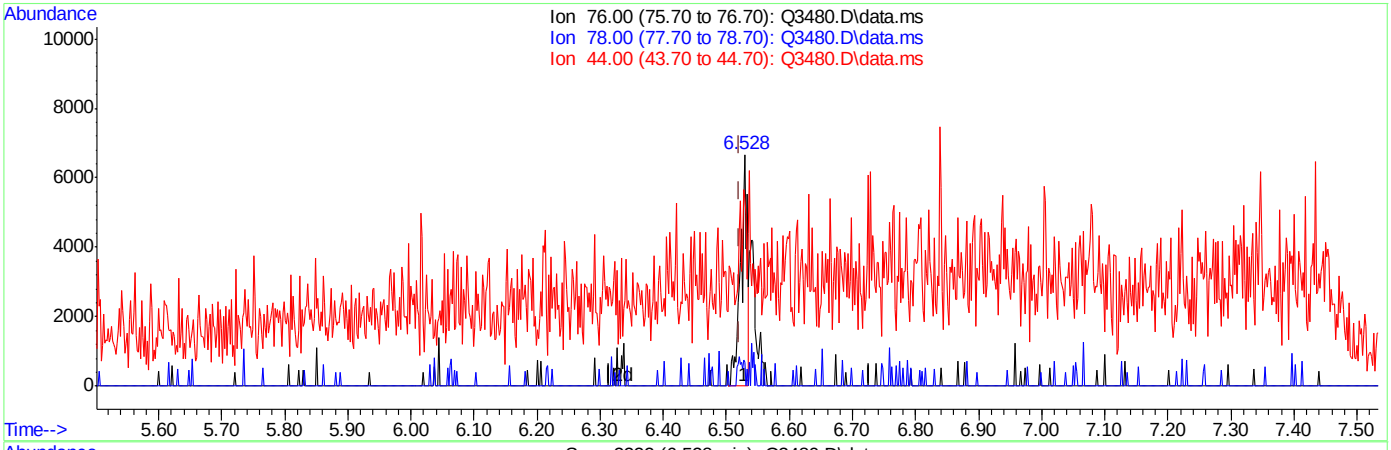
response 1343

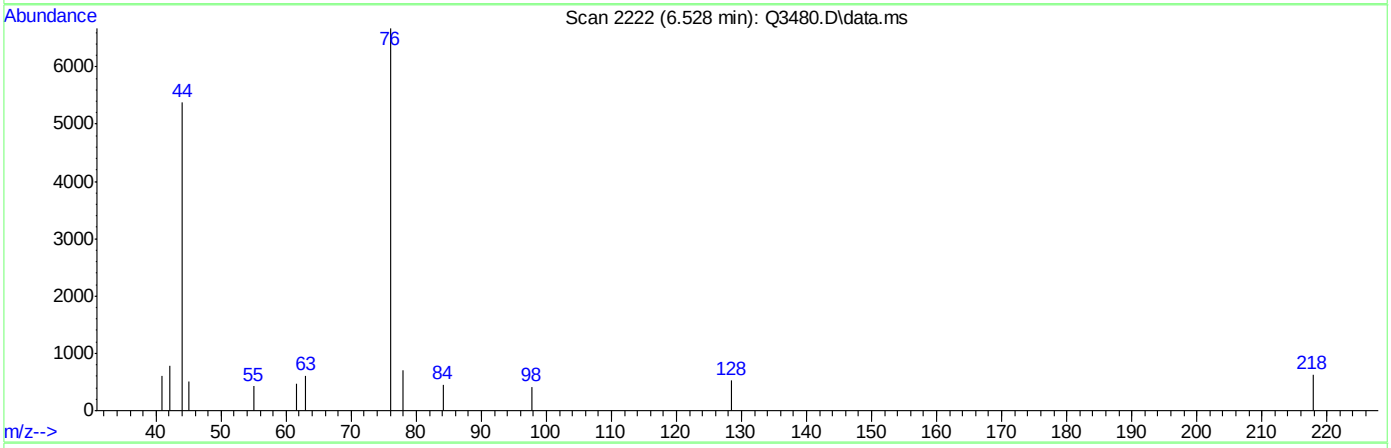
Ion	Exp%	Act%
64.00	100	100
66.00	0.00	8.04
49.00	0.00	14.22
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\
Data File : Q3480.D
Acq On : 21 May 2007 9:43 pm
Operator : PhilipB
Sample : IC189-.2 (M044)
Misc : MS13602,MSQ189,,,,,1
ALS Vial : 4 Sample Multiplier: 1

Quant Time: May 22 09:25:45 2007
Quant Method : C:\msdchem\1\METHODS\Q051507T.m
Quant Title : TO15 by GCMS w/DB-1 60 m X .25 mm ID 1.0 um
QLast Update : Tue May 22 09:25:38 2007
Response via : Initial Calibration





TIC: Q3480.D\data.ms

(15) CARBON DISULFIDE (m)

6.528min (+0.007) 0.15PPBV

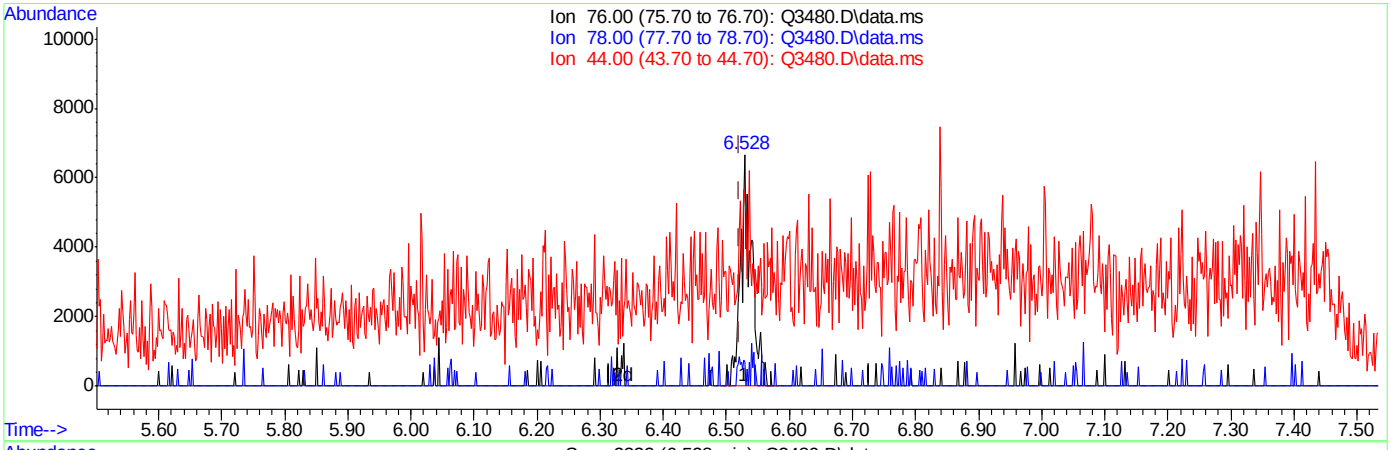
response 4815

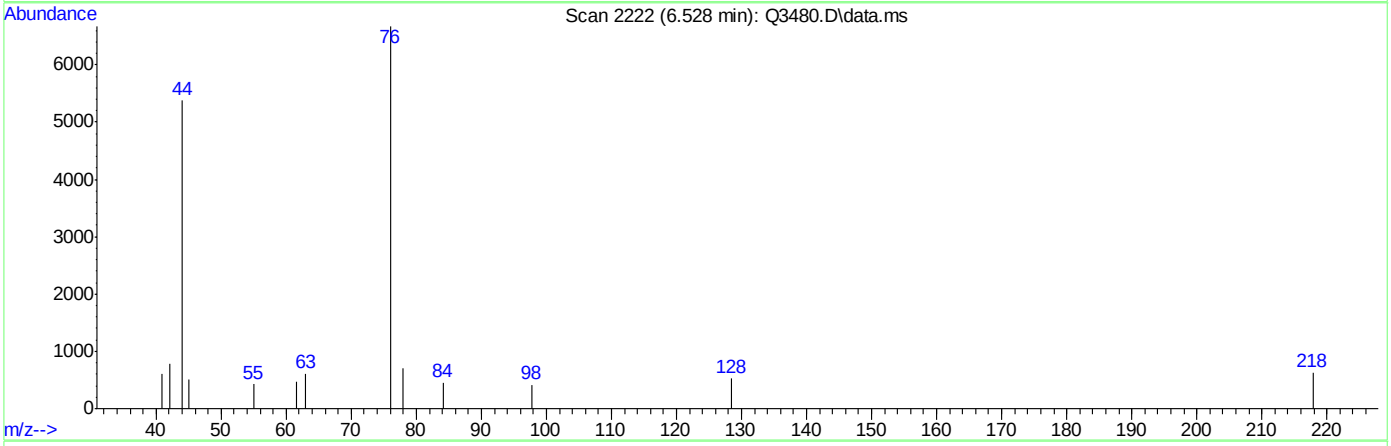
Ion	Exp%	Act%
76.00	100	100
78.00	0.00	7.41
44.00	0.70	66.31#
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\
Data File : Q3480.D
Acq On : 21 May 2007 9:43 pm
Operator : PhilipB
Sample : IC189-.2 (M044)
Misc : MS13602,MSQ189,,,,,1
ALS Vial : 4 Sample Multiplier: 1

Quant Time: May 22 09:25:45 2007
Quant Method : C:\msdchem\1\METHODS\Q051507T.m
Quant Title : TO15 by GCMS w/DB-1 60 m X .25 mm ID 1.0 um
QLast Update : Tue May 22 09:25:38 2007
Response via : Initial Calibration





TIC: Q3480.D\data.ms

(15) CARBON DISULFIDE (m)

6.528min (+0.007) 0.26PPBV m

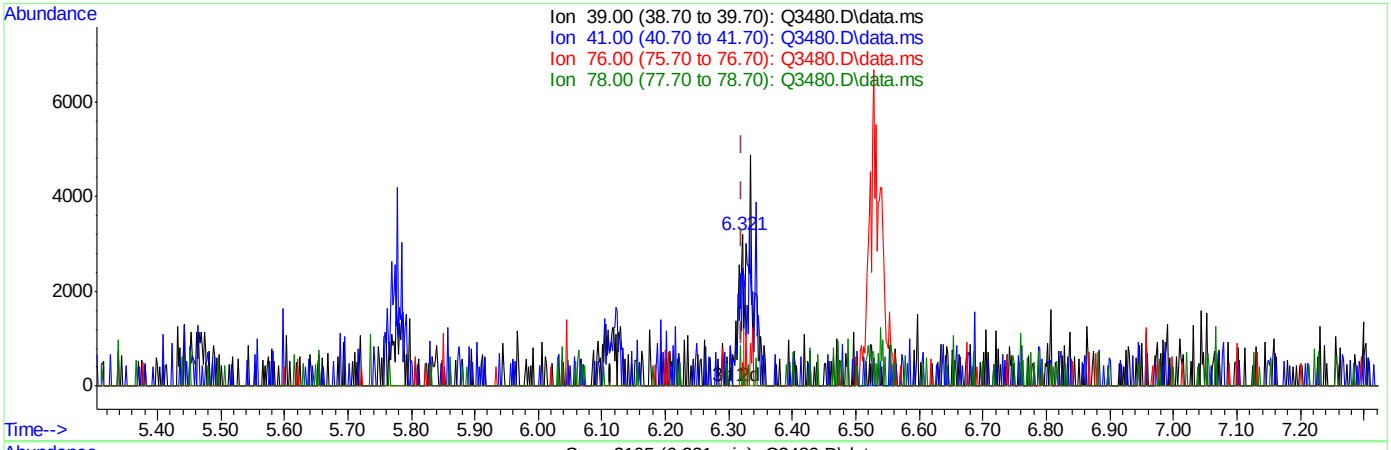
response 8215

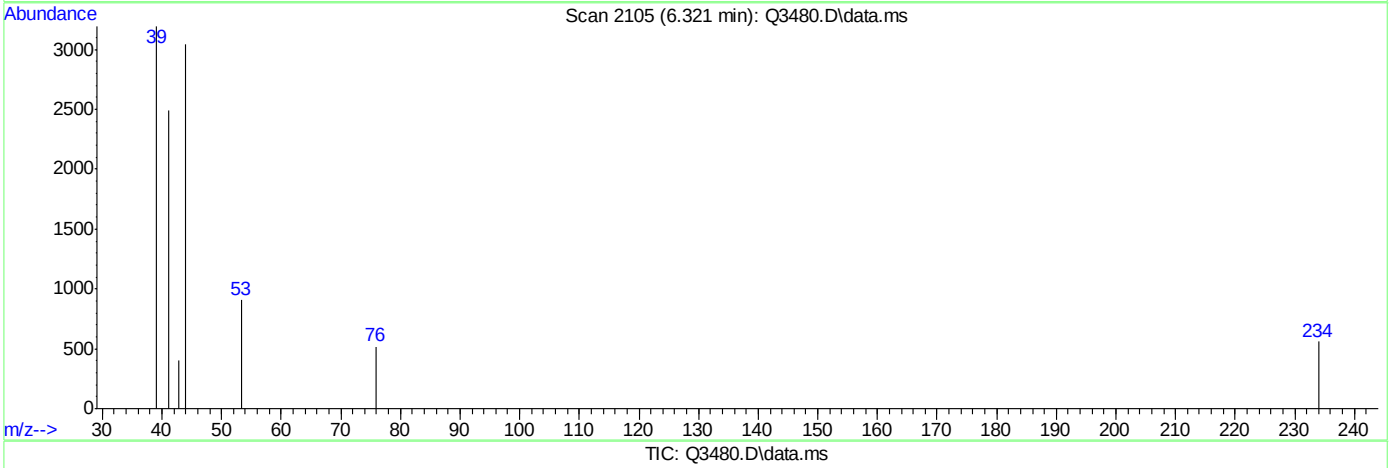
Ion	Exp%	Act%
76.00	100	100
78.00	0.00	4.35
44.00	0.70	38.87#
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\
Data File : Q3480.D
Acq On : 21 May 2007 9:43 pm
Operator : PhilipB
Sample : IC189-.2 (M044)
Misc : MS13602,MSQ189,,,,,1
ALS Vial : 4 Sample Multiplier: 1

Quant Time: May 22 09:25:45 2007
Quant Method : C:\msdchem\1\METHODS\Q051507T.m
Quant Title : TO15 by GCMS w/DB-1 60 m X .25 mm ID 1.0 um
QLast Update : Tue May 22 09:25:38 2007
Response via : Initial Calibration





TIC: Q3480.D\data.ms

(19) 3-CHLOROPROPENE (m)

6.321min (+0.001) 0.11PPBV

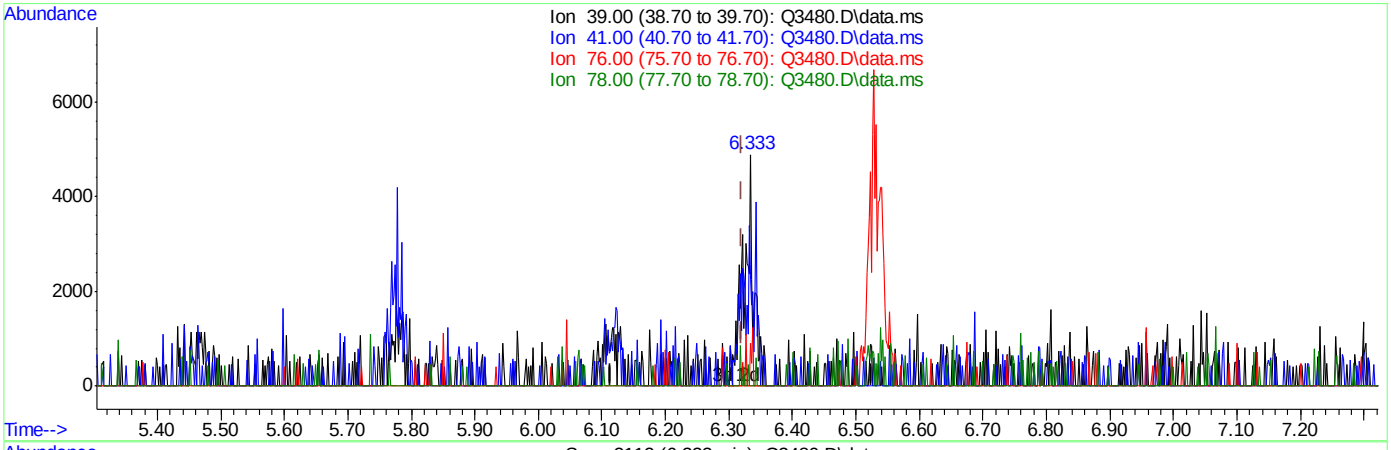
response 1684

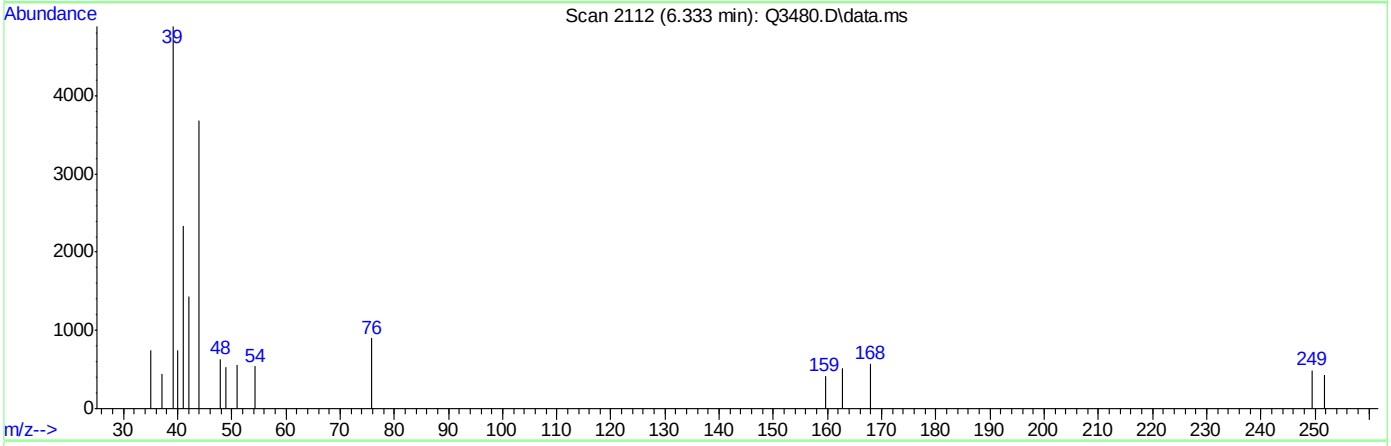
Ion	Exp%	Act%
39.00	100	100
41.00	0.30	110.33#
76.00	0.00	0.00
78.00	0.00	8.08

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\
Data File : Q3480.D
Acq On : 21 May 2007 9:43 pm
Operator : PhilipB
Sample : IC189-.2 (M044)
Misc : MS13602,MSQ189,,,,,1
ALS Vial : 4 Sample Multiplier: 1

Quant Time: May 22 09:25:45 2007
Quant Method : C:\msdchem\1\METHODS\Q051507T.m
Quant Title : TO15 by GCMS w/DB-1 60 m X .25 mm ID 1.0 um
QLast Update : Tue May 22 09:25:38 2007
Response via : Initial Calibration





TIC: Q3480.D\data.ms

(19) 3-CHLOROPROPENE (m)

6.333min (+0.013) 0.32PPBV m

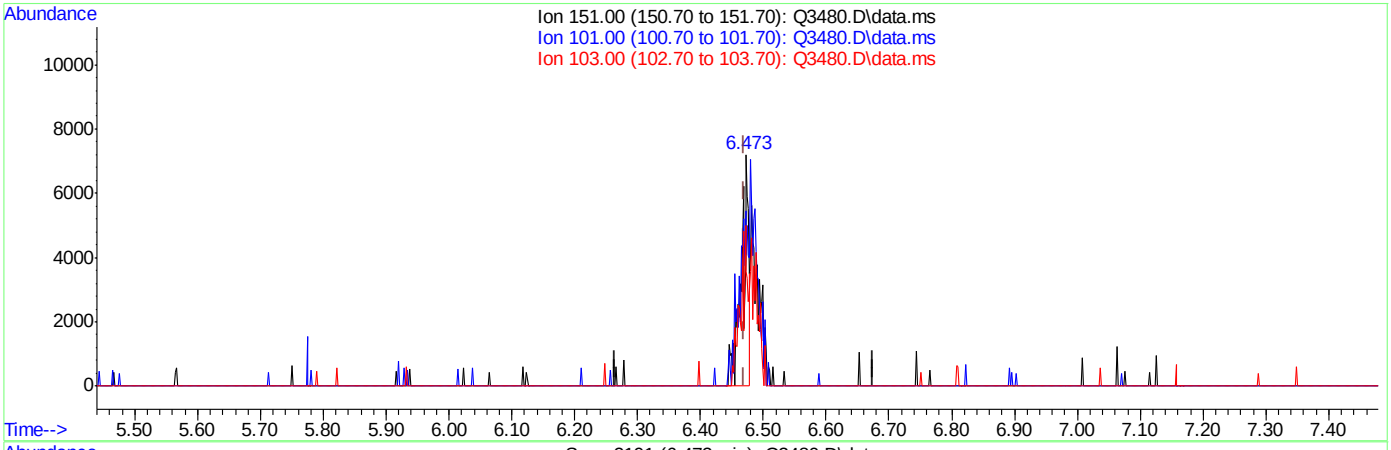
response 5194

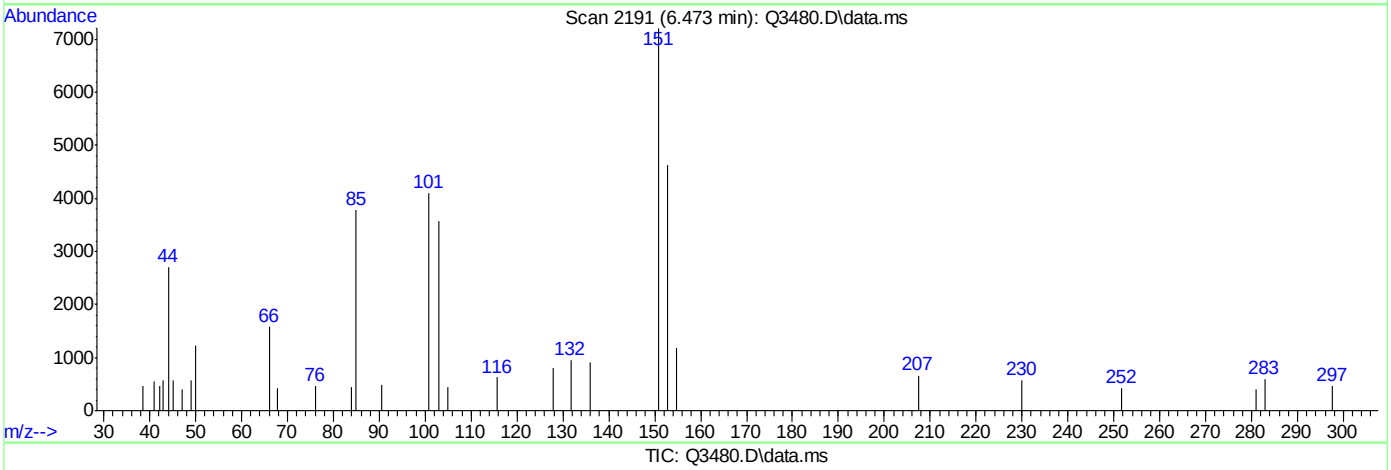
Ion	Exp%	Act%
39.00	100	100
41.00	0.30	35.77#
76.00	0.00	0.00
78.00	0.00	2.62

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\
Data File : Q3480.D
Acq On : 21 May 2007 9:43 pm
Operator : PhilipB
Sample : IC189-.2 (M044)
Misc : MS13602,MSQ189,,,,,1
ALS Vial : 4 Sample Multiplier: 1

Quant Time: May 22 09:25:45 2007
Quant Method : C:\msdchem\1\METHODS\Q051507T.m
Quant Title : TO15 by GCMS w/DB-1 60 m X .25 mm ID 1.0 um
QLast Update : Tue May 22 09:25:38 2007
Response via : Initial Calibration





TIC: Q3480.D\data.ms

(20) FREON 113 (m)

6.473min (+0.003) 0.17PPBV

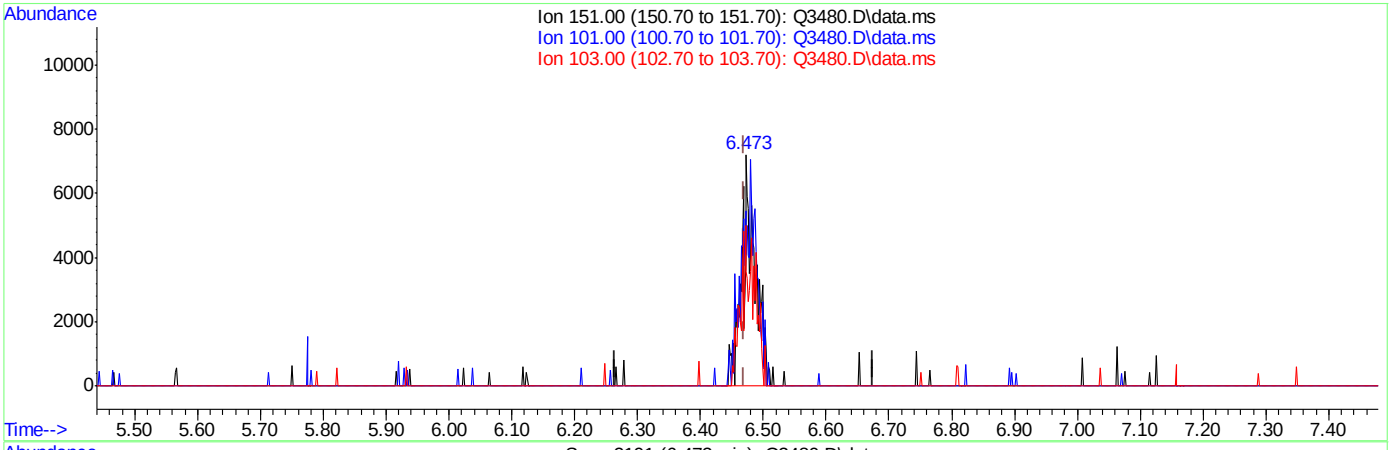
response 6248

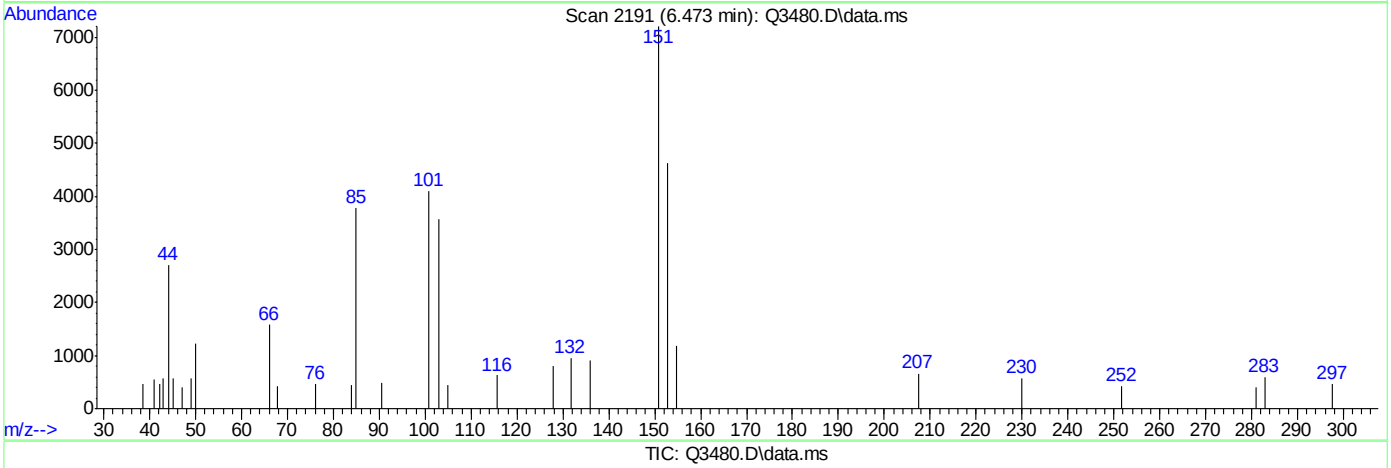
Ion	Exp%	Act%
151.00	100	100
101.00	0.00	101.14#
103.00	0.00	71.29#
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\
Data File : Q3480.D
Acq On : 21 May 2007 9:43 pm
Operator : PhilipB
Sample : IC189-.2 (M044)
Misc : MS13602,MSQ189,,,,,1
ALS Vial : 4 Sample Multiplier: 1

Quant Time: May 22 09:25:45 2007
Quant Method : C:\msdchem\1\METHODS\Q051507T.m
Quant Title : TO15 by GCMS w/DB-1 60 m X .25 mm ID 1.0 um
QLast Update : Tue May 22 09:25:38 2007
Response via : Initial Calibration





TIC: Q3480.D\data.ms

(20) FREON 113 (m)

6.473min (+0.003) 0.30PPBV m

response 11185

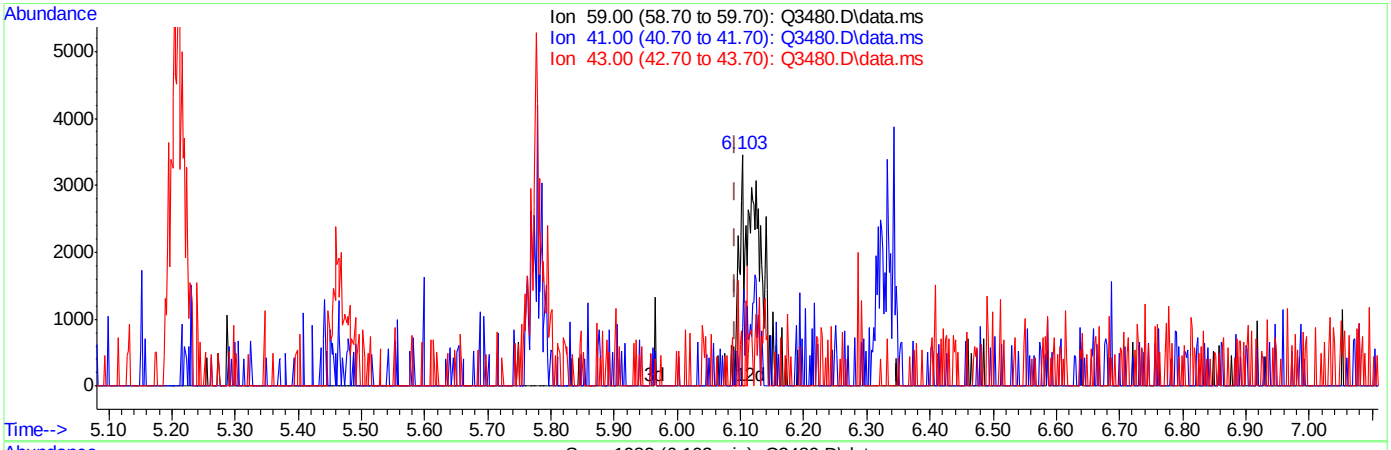
Ion	Exp%	Act%
151.00	100	100
101.00	0.00	56.50#
103.00	0.00	39.82#
0.00	0.00	0.00

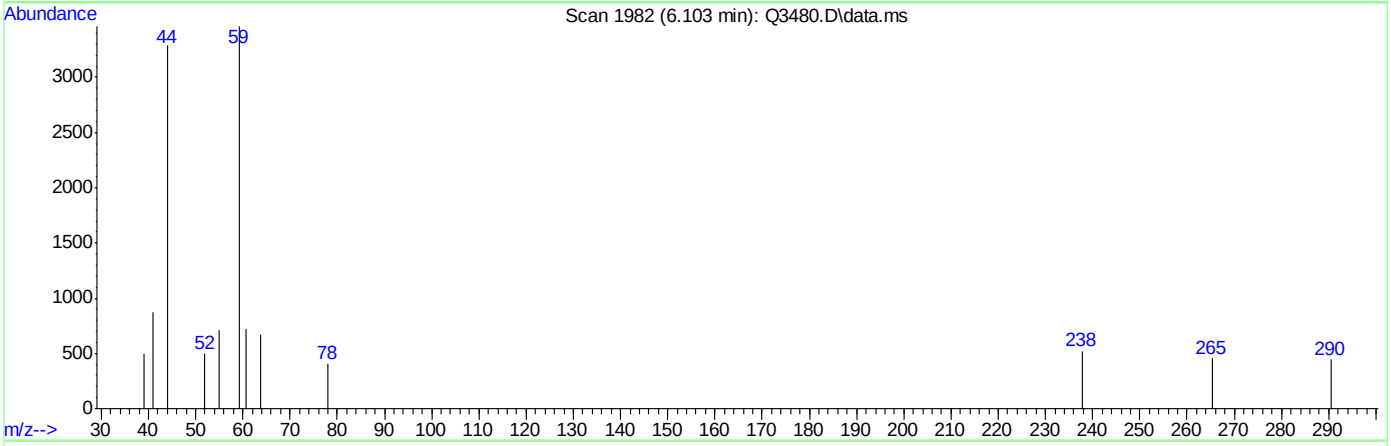
ACCUTEST Laboratories M65137

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\
Data File : Q3480.D
Acq On : 21 May 2007 9:43 pm
Operator : PhilipB
Sample : IC189-.2 (M044)
Misc : MS13602,MSQ189,,,,,1
ALS Vial : 4 Sample Multiplier: 1

Quant Time: May 22 09:25:45 2007
Quant Method : C:\msdchem\1\METHODS\Q051507T.m
Quant Title : TO15 by GCMS w/DB-1 60 m X .25 mm ID 1.0 um
QLast Update : Tue May 22 09:25:38 2007
Response via : Initial Calibration





TIC: Q3480.D\data.ms

(22) TERTIARY BUTYL ALCOHOL (m)

6.103min (+0.011) 0.11PPBV

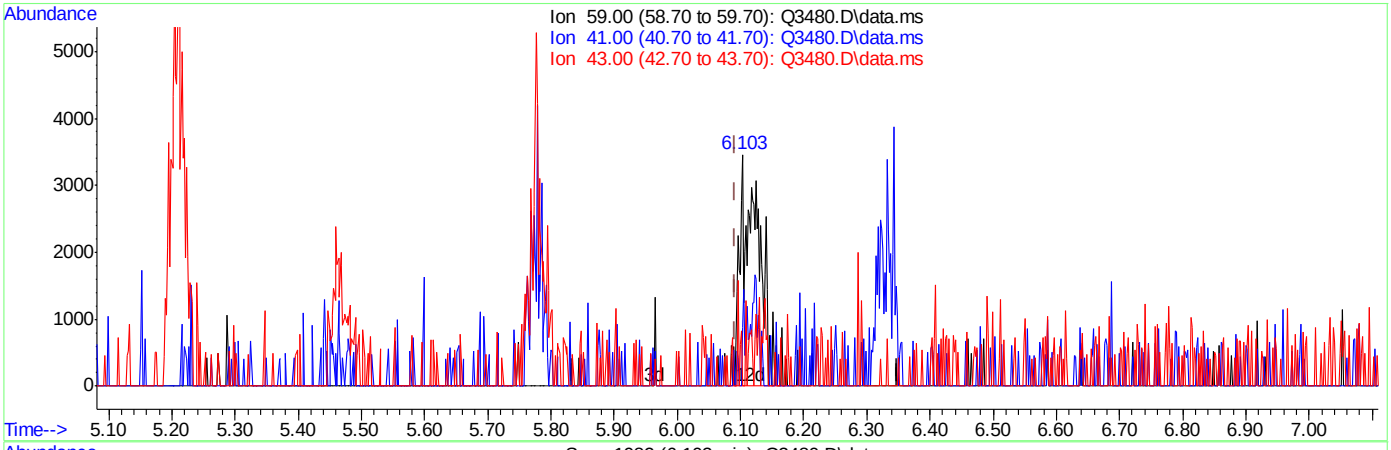
response 2405

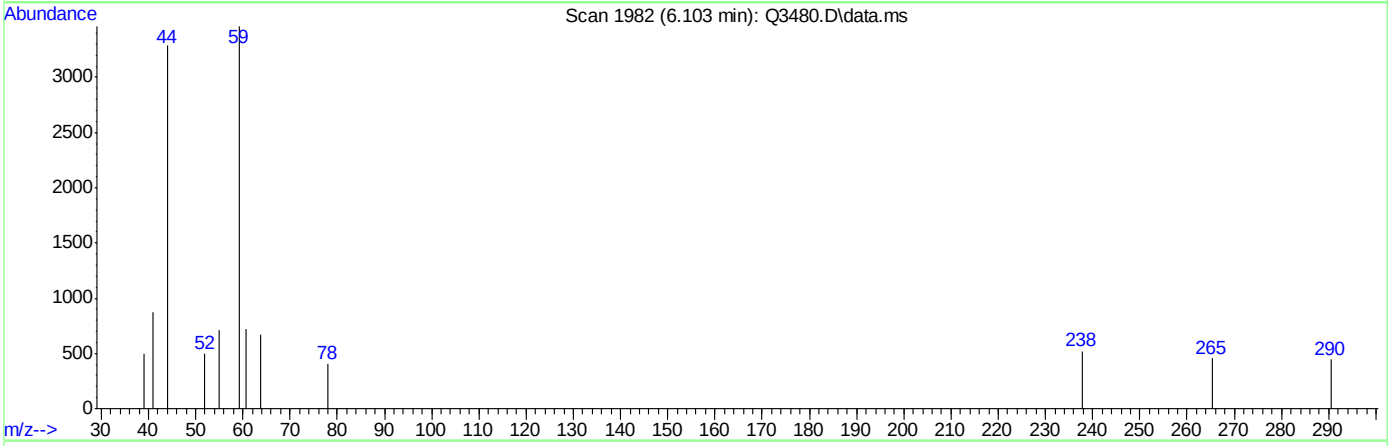
Ion	Exp%	Act%
59.00	100	100
41.00	0.00	31.64#
43.00	0.00	13.39
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\
Data File : Q3480.D
Acq On : 21 May 2007 9:43 pm
Operator : PhilipB
Sample : IC189-.2 (M044)
Misc : MS13602,MSQ189,,,,,1
ALS Vial : 4 Sample Multiplier: 1

Quant Time: May 22 09:25:45 2007
Quant Method : C:\msdchem\1\METHODS\Q051507T.m
Quant Title : TO15 by GCMS w/DB-1 60 m X .25 mm ID 1.0 um
QLast Update : Tue May 22 09:25:38 2007
Response via : Initial Calibration





TIC: Q3480.D\data.ms

(22) TERTIARY BUTYL ALCOHOL (m)

6.103min (+0.011) 0.31PPBV m

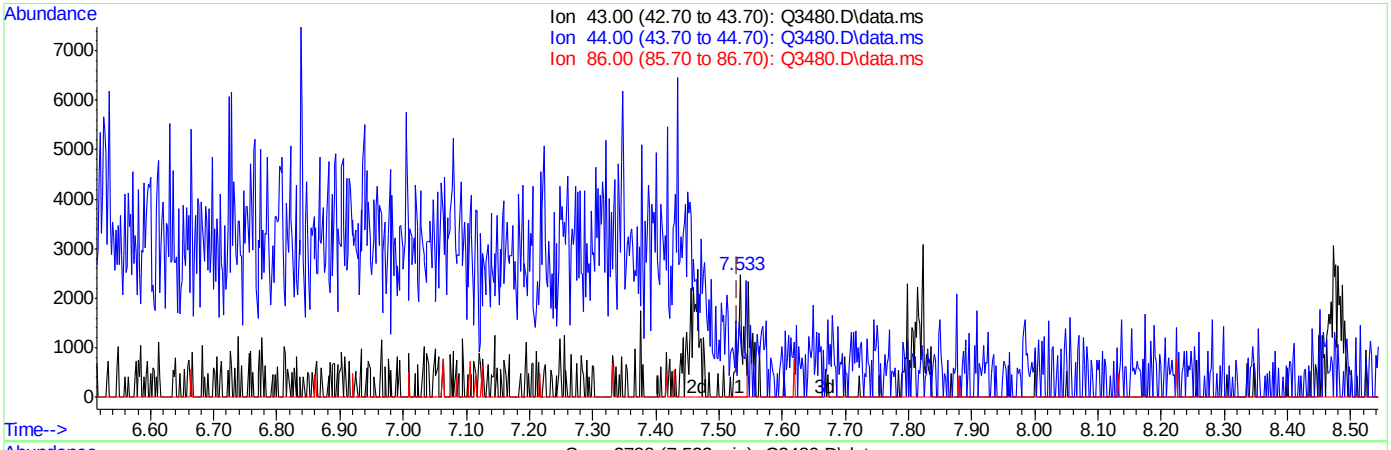
response 7161

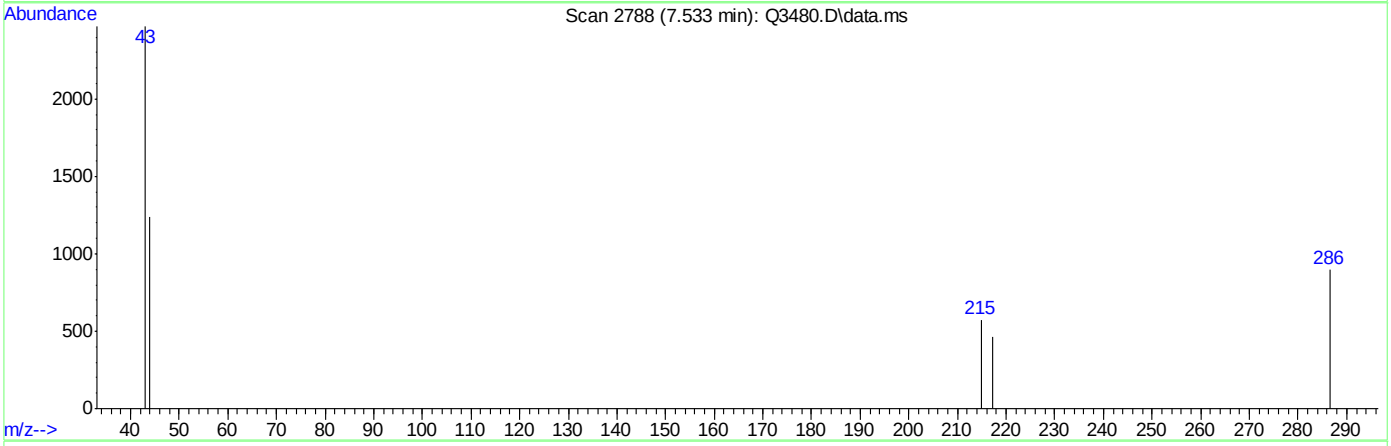
Ion	Exp%	Act%
59.00	100	100
41.00	0.00	10.63
43.00	0.00	4.50
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\
Data File : Q3480.D
Acq On : 21 May 2007 9:43 pm
Operator : PhilipB
Sample : IC189-.2 (M044)
Misc : MS13602,MSQ189,,,,,1
ALS Vial : 4 Sample Multiplier: 1

Quant Time: May 22 09:25:45 2007
Quant Method : C:\msdchem\1\METHODS\Q051507T.m
Quant Title : TO15 by GCMS w/DB-1 60 m X .25 mm ID 1.0 um
QLast Update : Tue May 22 09:25:38 2007
Response via : Initial Calibration





TIC: Q3480.D\data.ms

(26) VINYL ACETATE (m)

7.533min (+0.003) 0.06PPBV

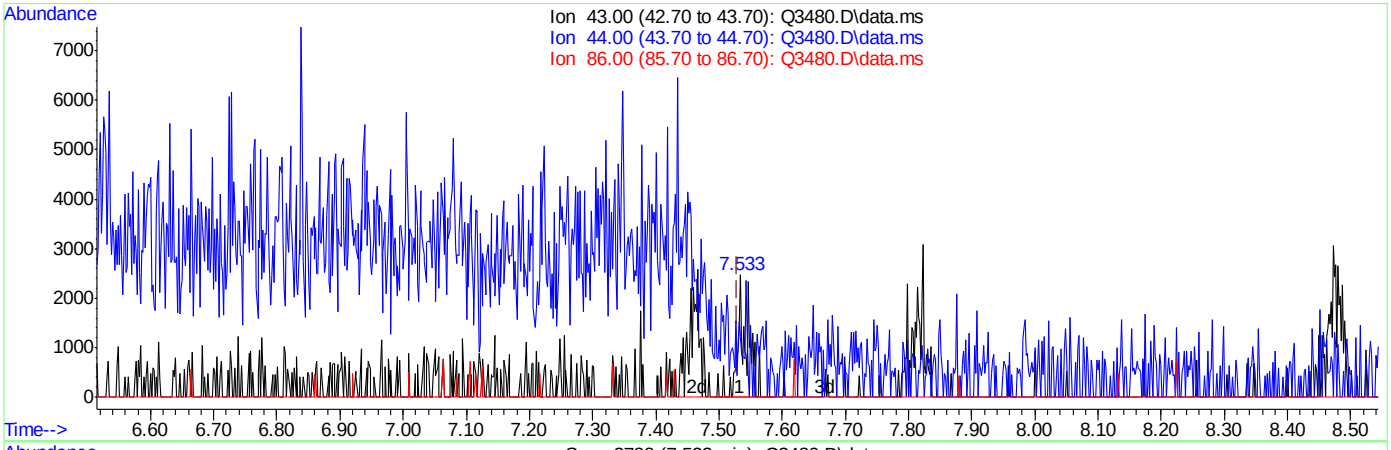
response 1400

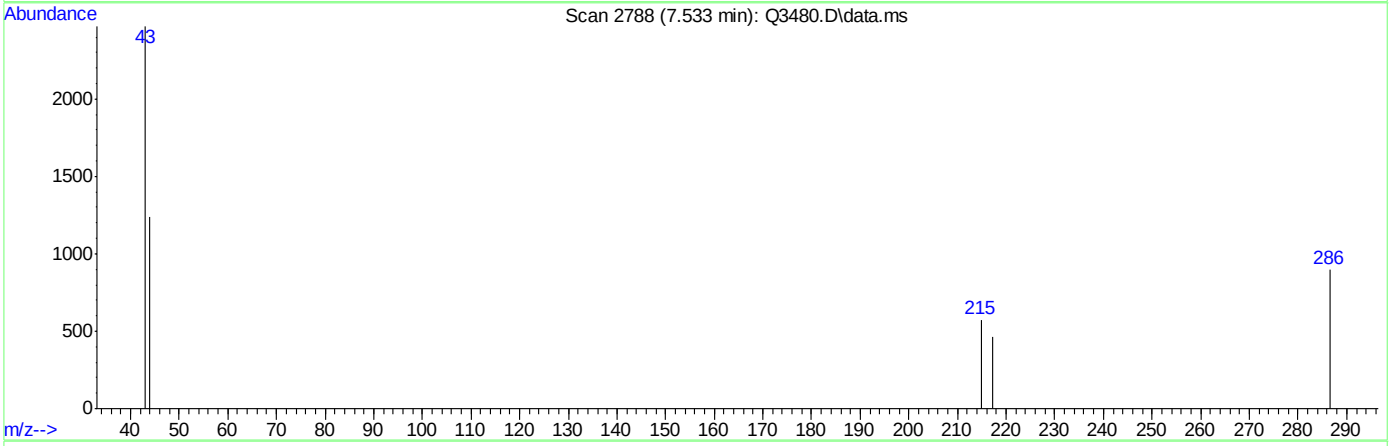
Ion	Exp%	Act%
43.00	100	100
44.00	2.30	105.43#
86.00	0.00	0.00
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\
Data File : Q3480.D
Acq On : 21 May 2007 9:43 pm
Operator : PhilipB
Sample : IC189-.2 (M044)
Misc : MS13602,MSQ189,,,,,1
ALS Vial : 4 Sample Multiplier: 1

Quant Time: May 22 09:25:45 2007
Quant Method : C:\msdchem\1\METHODS\Q051507T.m
Quant Title : TO15 by GCMS w/DB-1 60 m X .25 mm ID 1.0 um
QLast Update : Tue May 22 09:25:38 2007
Response via : Initial Calibration





TIC: Q3480.D\data.ms

(26) VINYL ACETATE (m)

7.533min (+0.003) 0.11PPBV m

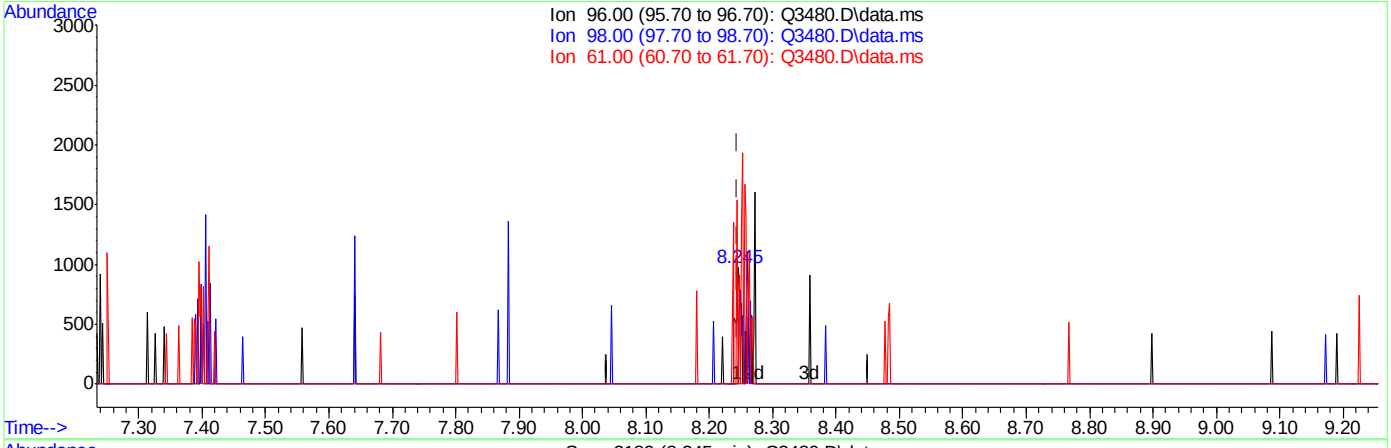
response 2507

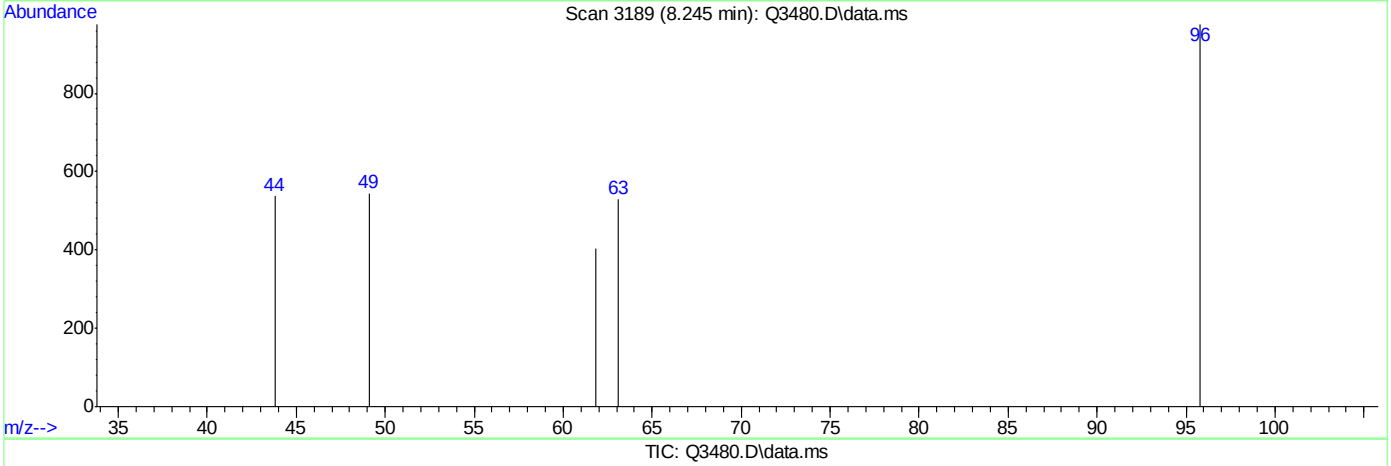
Ion	Exp%	Act%
43.00	100	100
44.00	2.30	58.88#
86.00	0.00	0.00
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\
Data File : Q3480.D
Acq On : 21 May 2007 9:43 pm
Operator : PhilipB
Sample : IC189-.2 (M044)
Misc : MS13602,MSQ189,,,,,1
ALS Vial : 4 Sample Multiplier: 1

Quant Time: May 22 09:25:45 2007
Quant Method : C:\msdchem\1\METHODS\Q051507T.m
Quant Title : TO15 by GCMS w/DB-1 60 m X .25 mm ID 1.0 um
QLast Update : Tue May 22 09:25:38 2007
Response via : Initial Calibration





TIC: Q3480.D\data.ms

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

8.245min (-0.000) 0.08PPBV

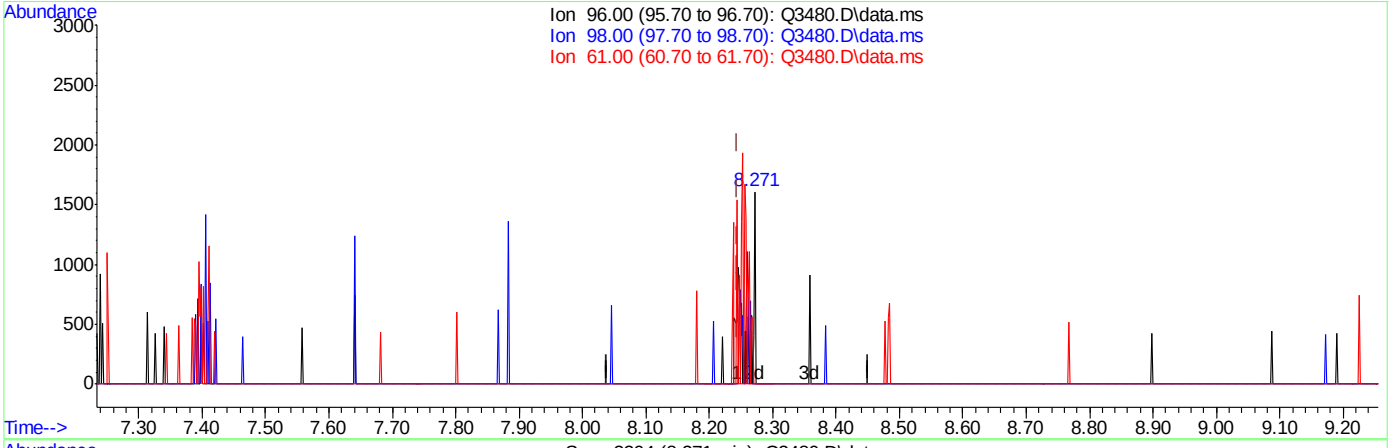
response 546

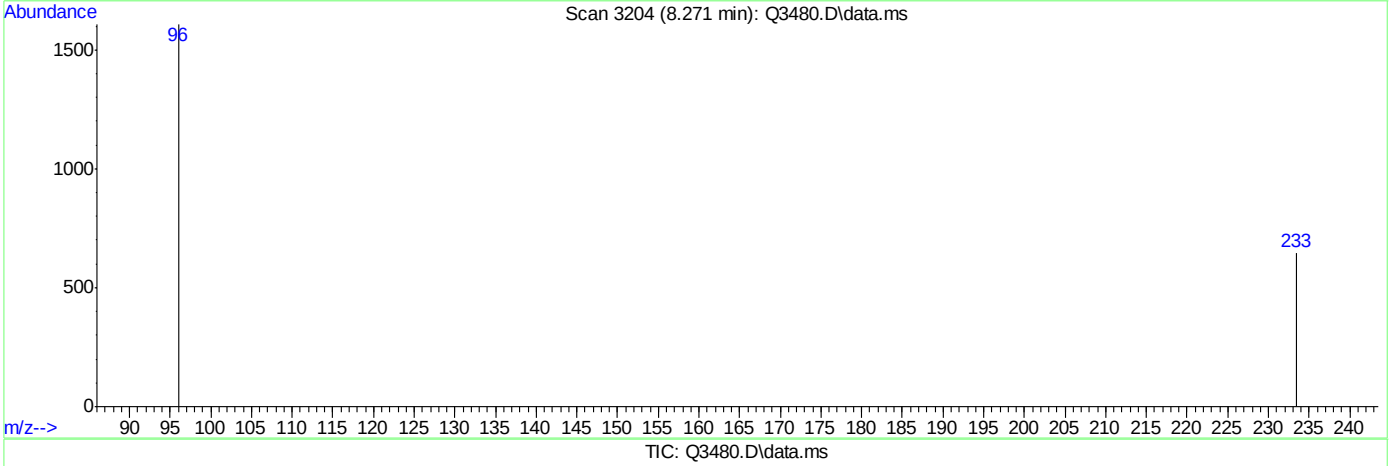
Ion	Exp%	Act%
96.00	100	100
98.00	0.00	0.00
61.00	0.00	56.41#
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\
Data File : Q3480.D
Acq On : 21 May 2007 9:43 pm
Operator : PhilipB
Sample : IC189-.2 (M044)
Misc : MS13602,MSQ189,,,,,1
ALS Vial : 4 Sample Multiplier: 1

Quant Time: May 22 09:25:45 2007
Quant Method : C:\msdchem\1\METHODS\Q051507T.m
Quant Title : TO15 by GCMS w/DB-1 60 m X .25 mm ID 1.0 um
QLast Update : Tue May 22 09:25:38 2007
Response via : Initial Calibration





TIC: Q3480.D\data.ms

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

8.271min (+0.027) 0.14PPBV m

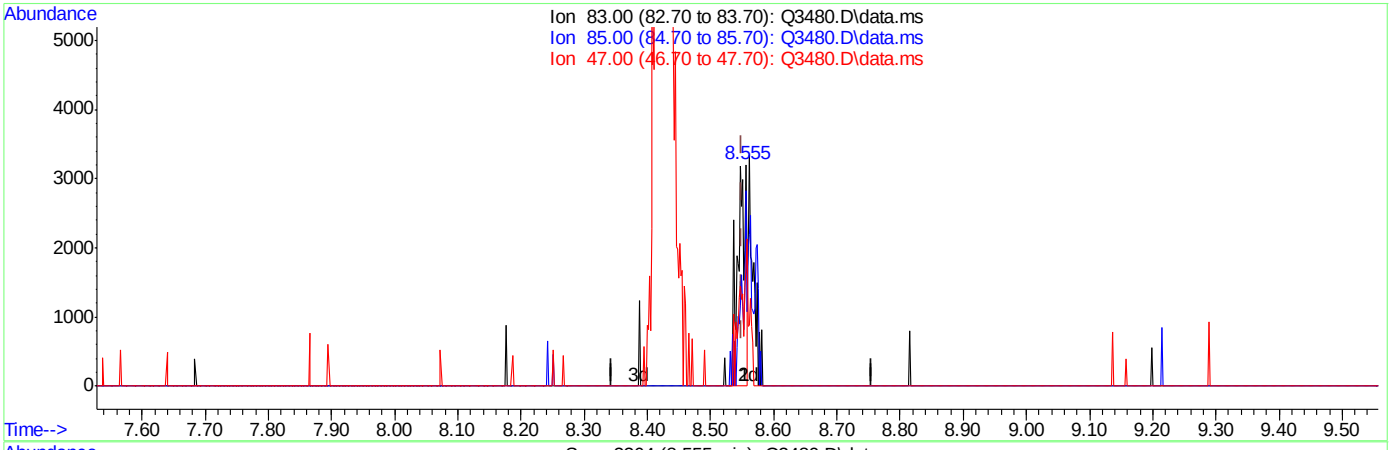
response 972

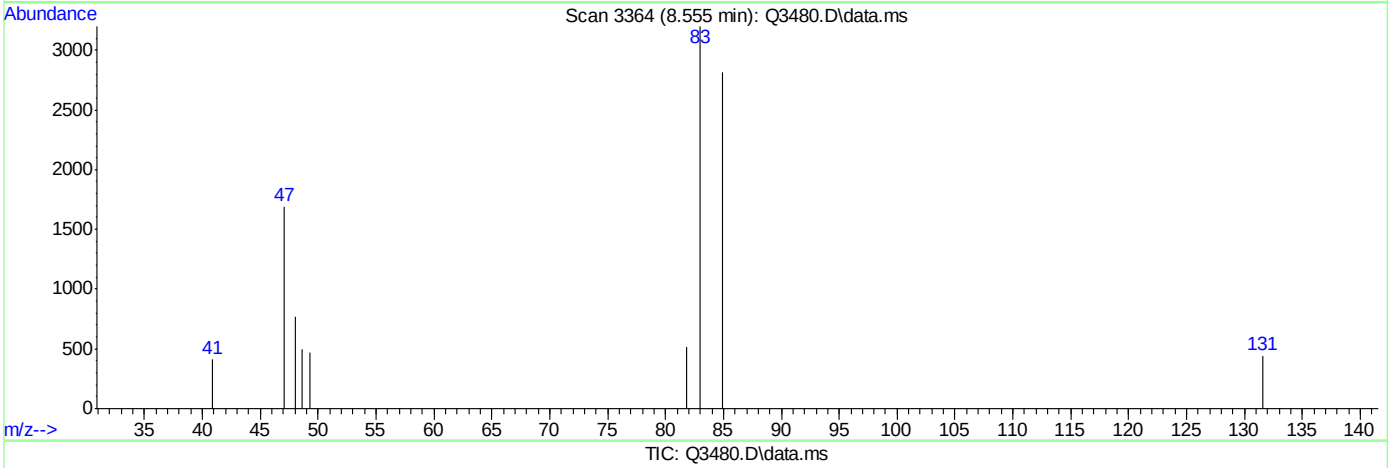
Ion	Exp%	Act%
96.00	100	100
98.00	0.00	0.00
61.00	0.00	31.69#
0.00	0.00	0.00

Quantitation Report (Qedit)

```
Data Path : C:\msdchem\1\DATA\
Data File : Q3480.D
Acq On    : 21 May 2007   9:43 pm
Operator  : PhilipB
Sample    : IC189-.2 (M044)
Misc      : MS13602,MSQ189,,,,,1
ALS Vial  : 4   Sample Multiplier: 1

Quant Time: May 22 09:25:45 2007
Quant Method : C:\msdchem\1\METHODS\Q051507T.m
Quant Title  : TO15  by GCMS w/DB-1 60 m X .25 mm ID 1.0 um
QLast Update : Tue May 22 09:25:38 2007
Response via : Initial Calibration
```



TIC: Q3480.D\data.ms

(31) CHLOROFORM (m)

8.555min (+0.005) 0.13PPBV

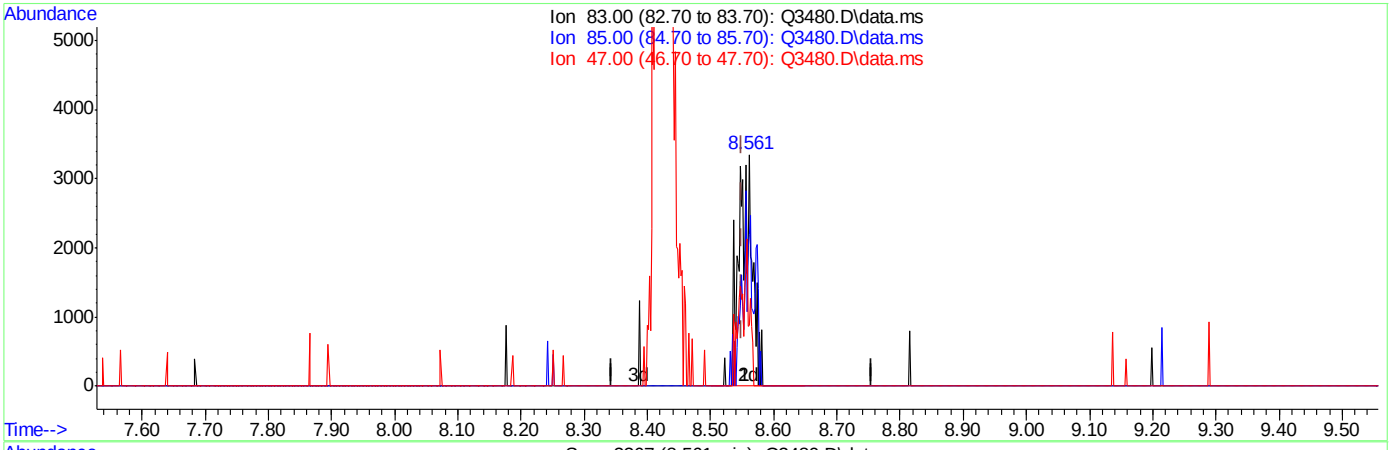
response 2884

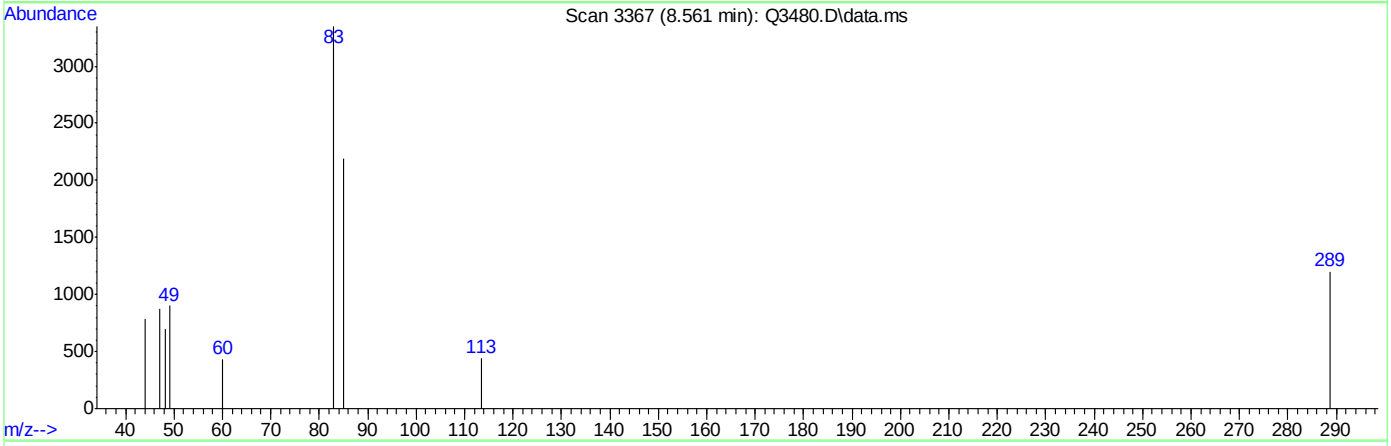
Ion	Exp%	Act%
83.00	100	100
85.00	0.00	85.47#
47.00	0.00	71.39#
0.00	0.00	0.00

Quantitation Report (Qedit)

```
Data Path : C:\msdchem\1\DATA\
Data File : Q3480.D
Acq On    : 21 May 2007   9:43 pm
Operator  : PhilipB
Sample    : IC189-.2 (M044)
Misc      : MS13602,MSQ189,,,,,1
ALS Vial  : 4   Sample Multiplier: 1

Quant Time: May 22 09:25:45 2007
Quant Method : C:\msdchem\1\METHODS\Q051507T.m
Quant Title  : TO15  by GCMS w/DB-1 60 m X .25 mm ID 1.0 um
QLast Update : Tue May 22 09:25:38 2007
Response via : Initial Calibration
```



TIC: Q3480.D\data.ms

(31) CHLOROFORM (m)

8.561min (+0.011) 0.21PPBV m

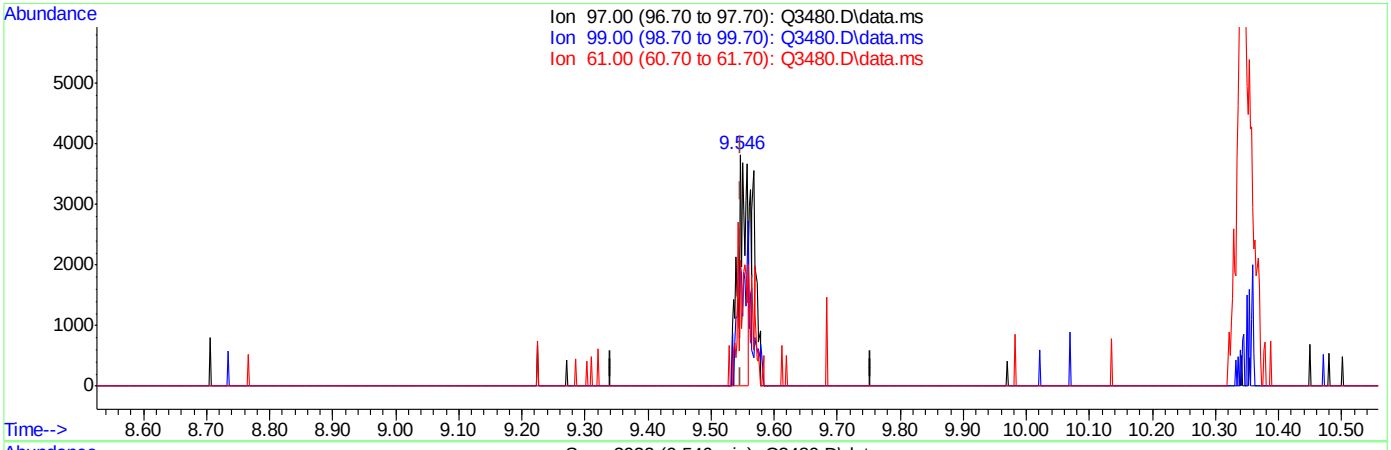
response 4772

Ion	Exp%	Act%
83.00	100	100
85.00	0.00	51.66#
47.00	0.00	43.15#
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\
Data File : Q3480.D
Acq On : 21 May 2007 9:43 pm
Operator : PhilipB
Sample : IC189-.2 (M044)
Misc : MS13602,MSQ189,,,,,1
ALS Vial : 4 Sample Multiplier: 1

Quant Time: May 22 09:25:45 2007
Quant Method : C:\msdchem\1\METHODS\Q051507T.m
Quant Title : TO15 by GCMS w/DB-1 60 m X .25 mm ID 1.0 um
QLast Update : Tue May 22 09:25:38 2007
Response via : Initial Calibration



TIC: Q3480.D\data.ms

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

9.546min (-0.002) 0.14PPBV

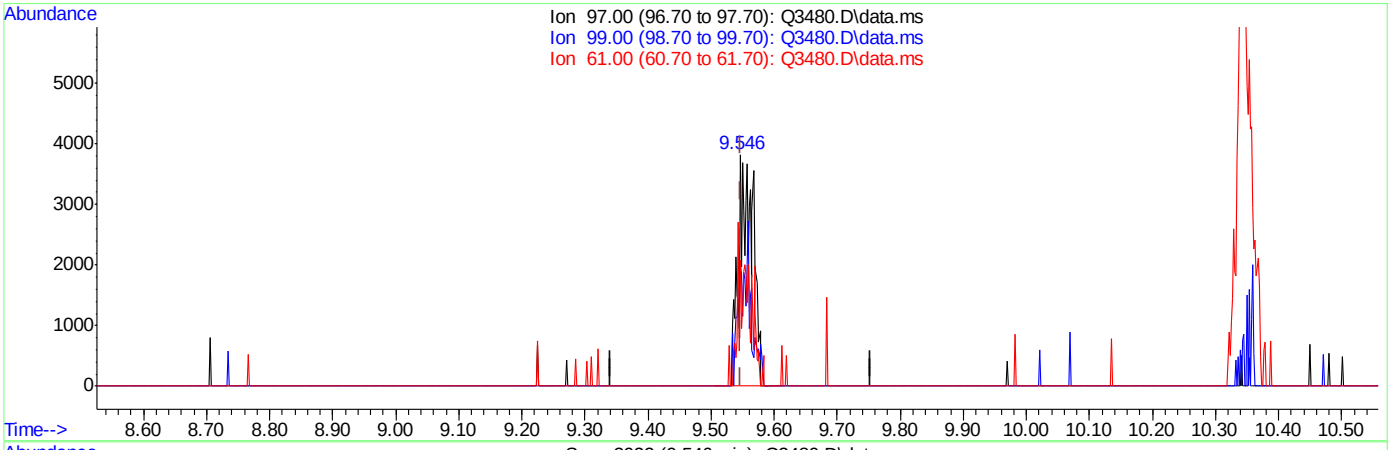
response 3517

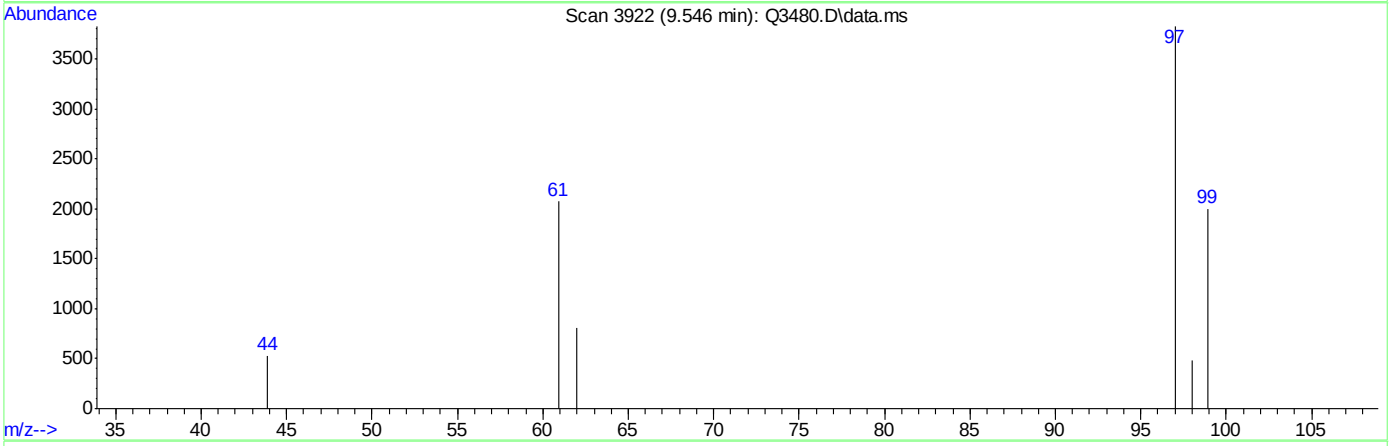
Ion	Exp%	Act%
97.00	100	100
99.00	63.00	96.50#
61.00	38.00	64.46#
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\
Data File : Q3480.D
Acq On : 21 May 2007 9:43 pm
Operator : PhilipB
Sample : IC189-.2 (M044)
Misc : MS13602,MSQ189,,,,,1
ALS Vial : 4 Sample Multiplier: 1

Quant Time: May 22 09:25:45 2007
Quant Method : C:\msdchem\1\METHODS\Q051507T.m
Quant Title : TO15 by GCMS w/DB-1 60 m X .25 mm ID 1.0 um
QLast Update : Tue May 22 09:25:38 2007
Response via : Initial Calibration





TIC: Q3480.D\data.ms

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

9.546min (-0.002) 0.23PPBV m

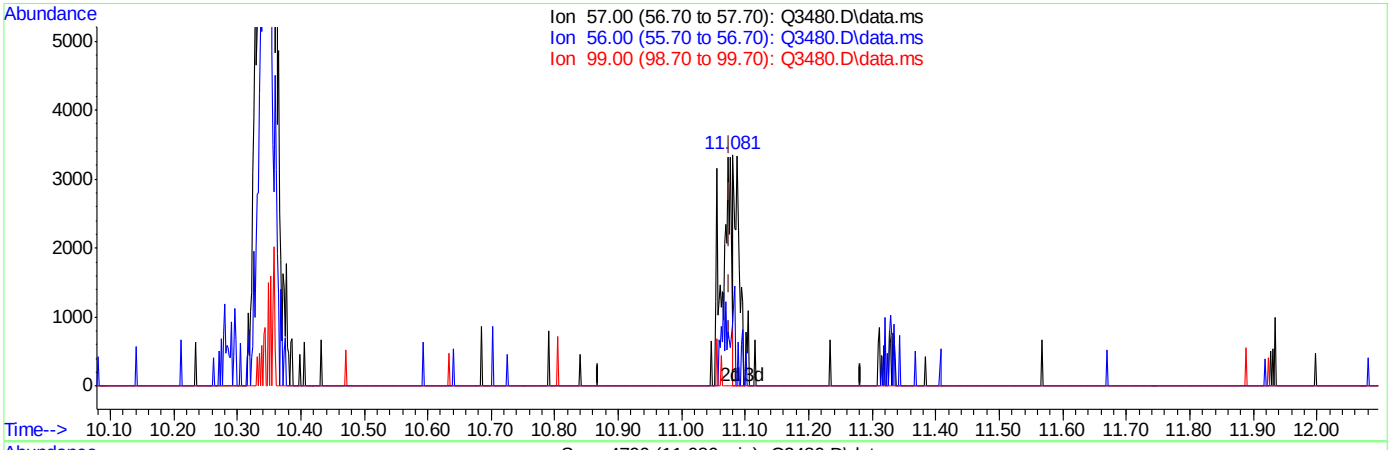
response 5925

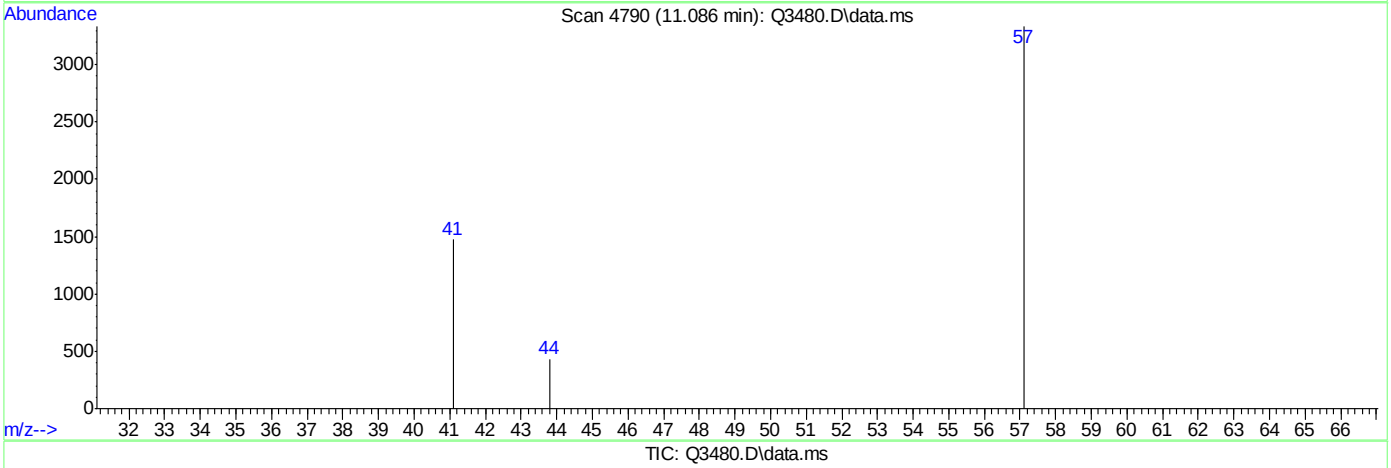
Ion	Exp%	Act%
97.00	100	100
99.00	63.00	57.28
61.00	38.00	38.26
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\
Data File : Q3480.D
Acq On : 21 May 2007 9:43 pm
Operator : PhilipB
Sample : IC189-.2 (M044)
Misc : MS13602,MSQ189,,,,,1
ALS Vial : 4 Sample Multiplier: 1

Quant Time: May 22 09:25:45 2007
Quant Method : C:\msdchem\1\METHODS\Q051507T.m
Quant Title : TO15 by GCMS w/DB-1 60 m X .25 mm ID 1.0 um
QLast Update : Tue May 22 09:25:38 2007
Response via : Initial Calibration





TIC: Q3480.D\data.ms

(41) 2,2,4-TRIMETHYLPENTANE (m)

11.086min (+0.011) 0.06PPBV

response 2042

Ion	Exp%	Act%
57.00	100	100
56.00	30.30	40.16
99.00	6.30	0.00
0.00	0.00	0.00

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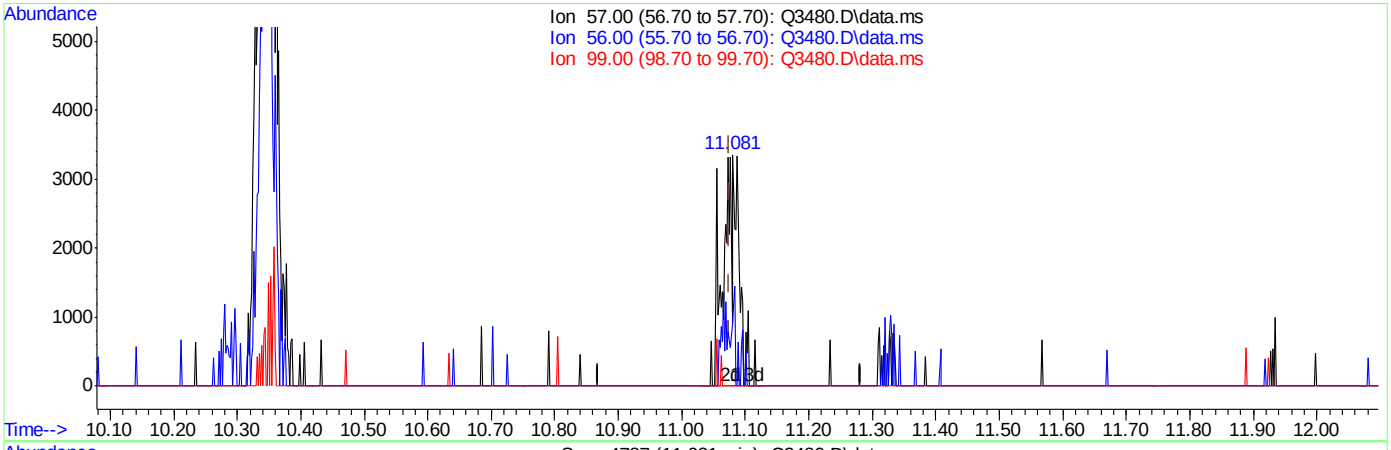
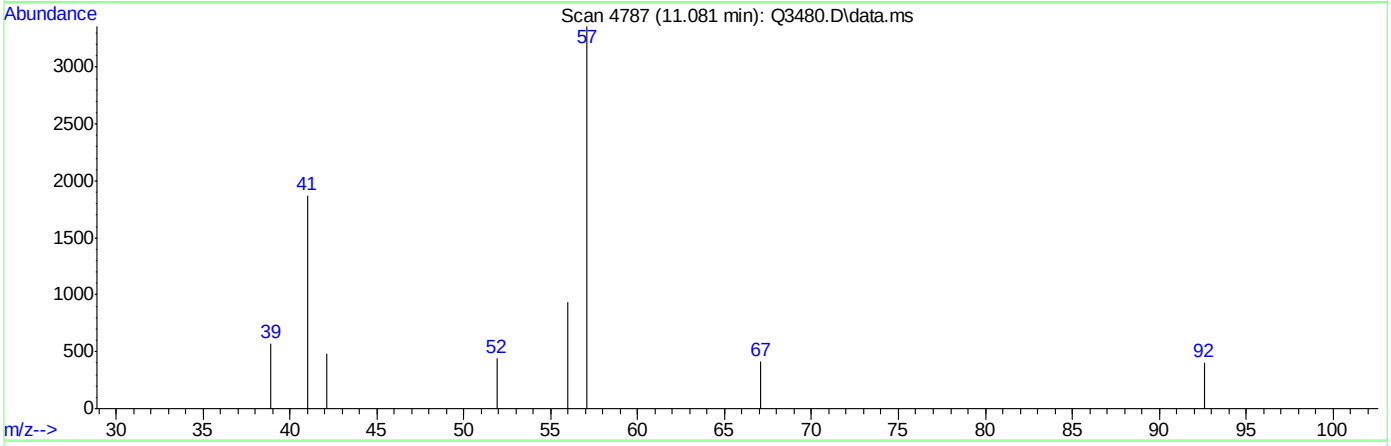
Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\
Data File : Q3480.D
Acq On : 21 May 2007 9:43 pm
Operator : PhilipB
Sample : IC189-.2 (M044)
Misc : MS13602,MSQ189,,,,,1
ALS Vial : 4 Sample Multiplier: 1

Quant Time: May 22 09:25:45 2007
Quant Method : C:\msdchem\1\METHODS\Q051507T.m
Quant Title : TO15 by GCMS w/DB-1 60 m X .25 mm ID 1.0 um
QLast Update : Tue May 22 09:25:38 2007
Response via : Initial Calibration





TIC: Q3480.D\data.ms

(41) 2,2,4-TRIMETHYLPENTANE (m)

11.081min (+0.005) 0.17PPBV m

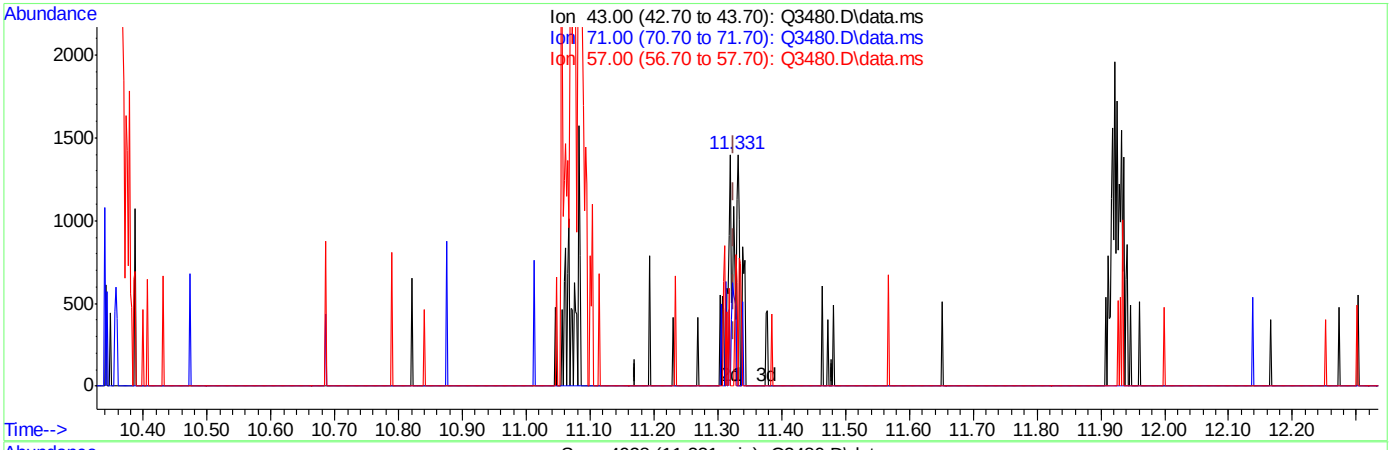
response 5400

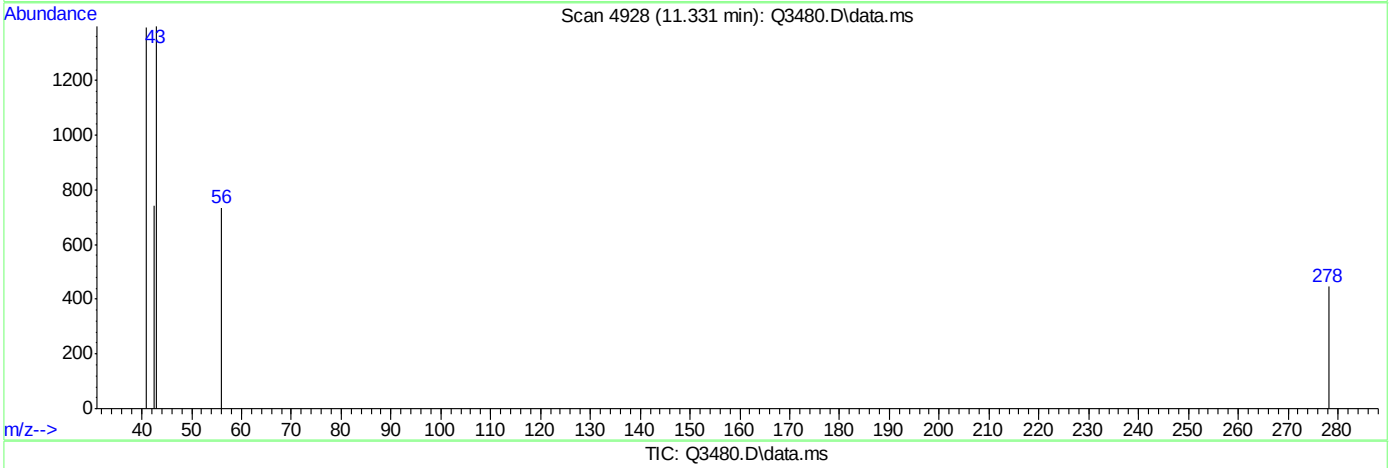
Ion	Exp%	Act%
57.00	100	100
56.00	30.30	15.19
99.00	6.30	0.00
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\
Data File : Q3480.D
Acq On : 21 May 2007 9:43 pm
Operator : PhilipB
Sample : IC189-.2 (M044)
Misc : MS13602,MSQ189,,,,,1
ALS Vial : 4 Sample Multiplier: 1

Quant Time: May 22 09:25:45 2007
Quant Method : C:\msdchem\1\METHODS\Q051507T.m
Quant Title : TO15 by GCMS w/DB-1 60 m X .25 mm ID 1.0 um
QLast Update : Tue May 22 09:25:38 2007
Response via : Initial Calibration





TIC: Q3480.D\data.ms

(43) HEPTANE (m)

11.331min (+0.005) 0.03PPBV

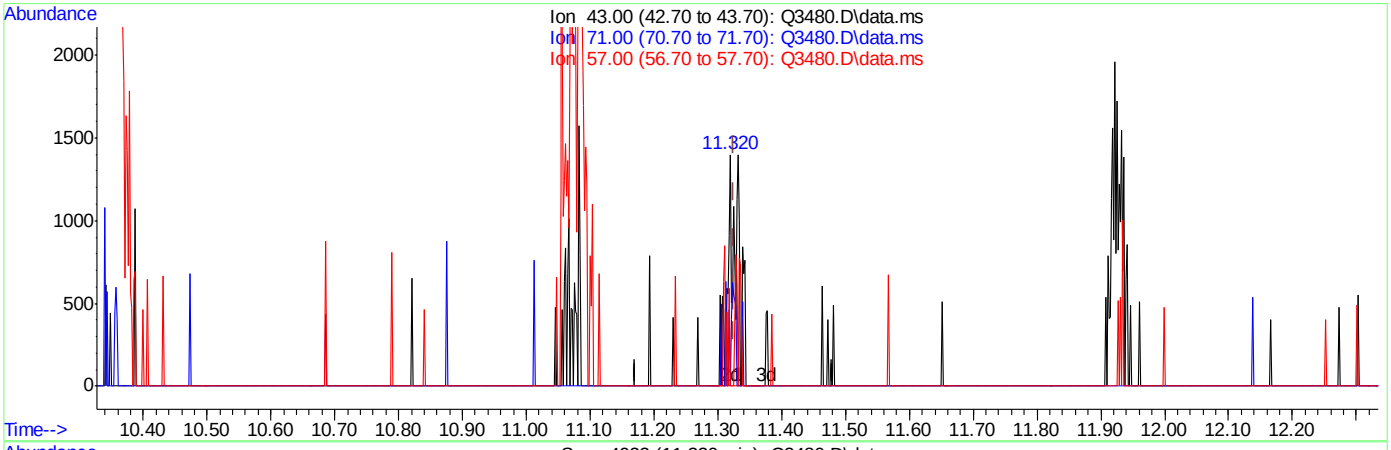
response 376

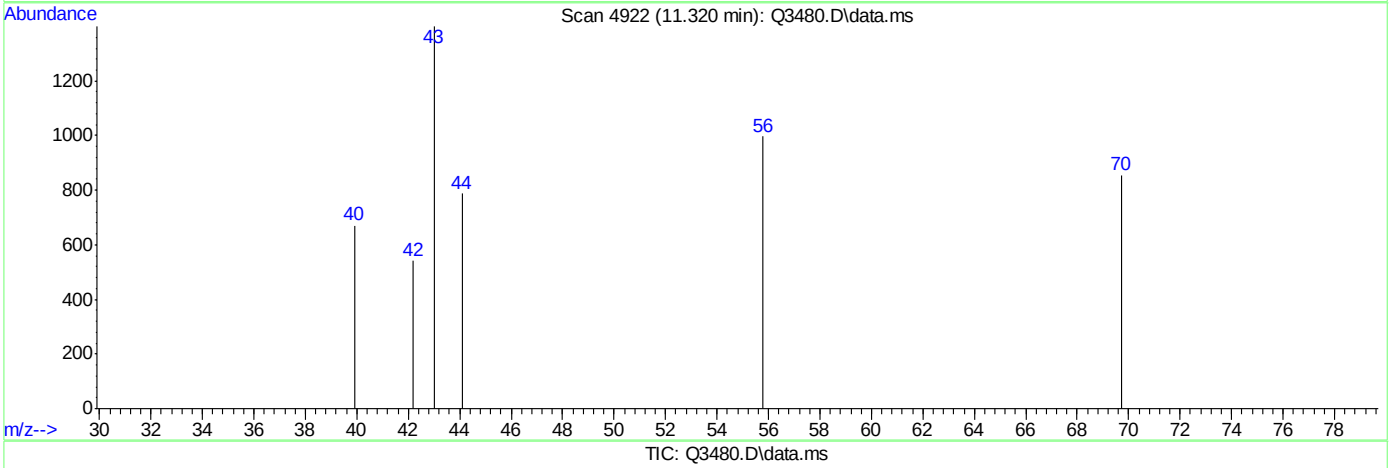
Ion	Exp%	Act%
43.00	100	100
71.00	52.40	58.51
57.00	48.00	95.48#
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\
Data File : Q3480.D
Acq On : 21 May 2007 9:43 pm
Operator : PhilipB
Sample : IC189-.2 (M044)
Misc : MS13602,MSQ189,,,,,1
ALS Vial : 4 Sample Multiplier: 1

Quant Time: May 22 09:25:45 2007
Quant Method : C:\msdchem\1\METHODS\Q051507T.m
Quant Title : TO15 by GCMS w/DB-1 60 m X .25 mm ID 1.0 um
QLast Update : Tue May 22 09:25:38 2007
Response via : Initial Calibration





TIC: Q3480.D\data.ms

(43) HEPTANE (m)

11.320min (-0.005) 0.11PPBV m

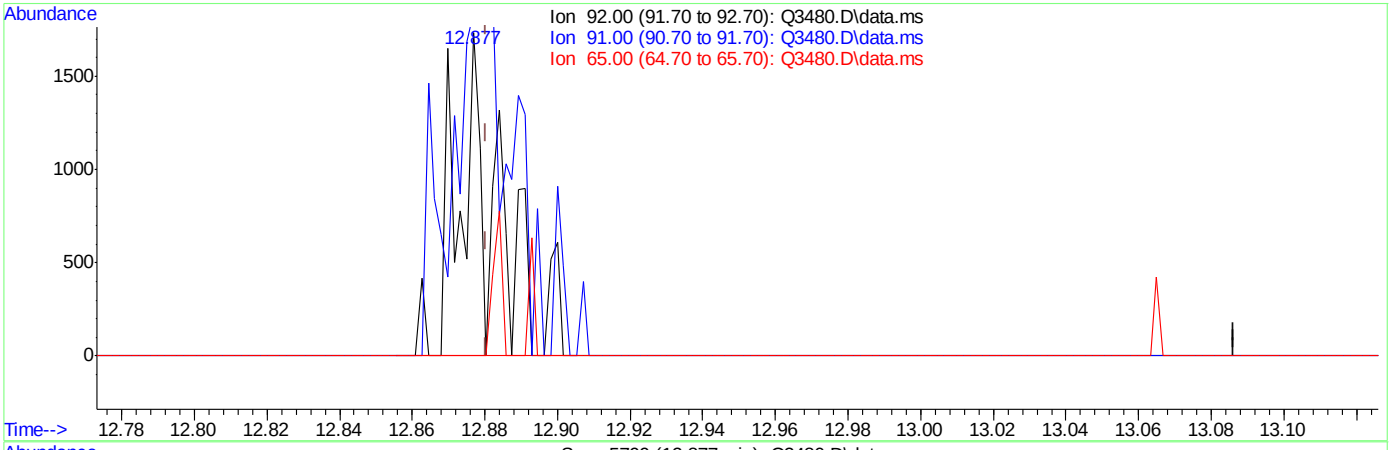
response 1423

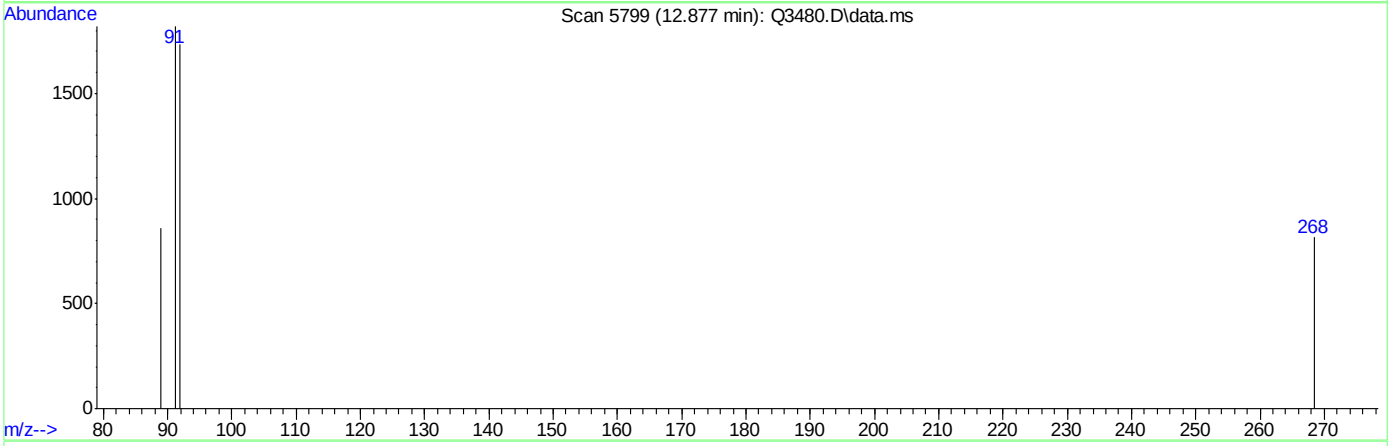
Ion	Exp%	Act%
43.00	100	100
71.00	52.40	15.46#
57.00	48.00	25.23#
0.00	0.00	0.00

Quantitation Report (Qedit)

```
Data Path : C:\msdchem\1\DATA\
Data File : Q3480.D
Acq On    : 21 May 2007   9:43 pm
Operator  : PhilipB
Sample    : IC189-.2 (M044)
Misc      : MS13602,MSQ189,,,,,1
ALS Vial  : 4   Sample Multiplier: 1

Quant Time: May 22 09:25:45 2007
Quant Method : C:\msdchem\1\METHODS\Q051507T.m
Quant Title  : TO15  by GCMS w/DB-1 60 m X .25 mm ID 1.0 um
QLast Update : Tue May 22 09:25:38 2007
Response via : Initial Calibration
```



TIC: Q3480.D\data.ms

(46) TOLUENE (m)

12.877min (-0.004) 0.10PPBV

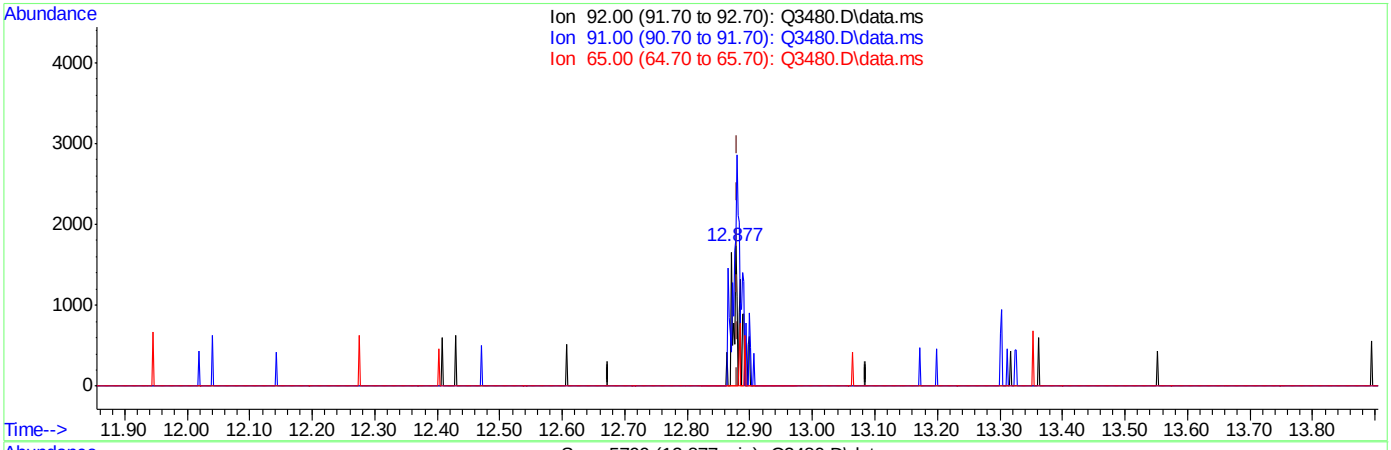
response 1333

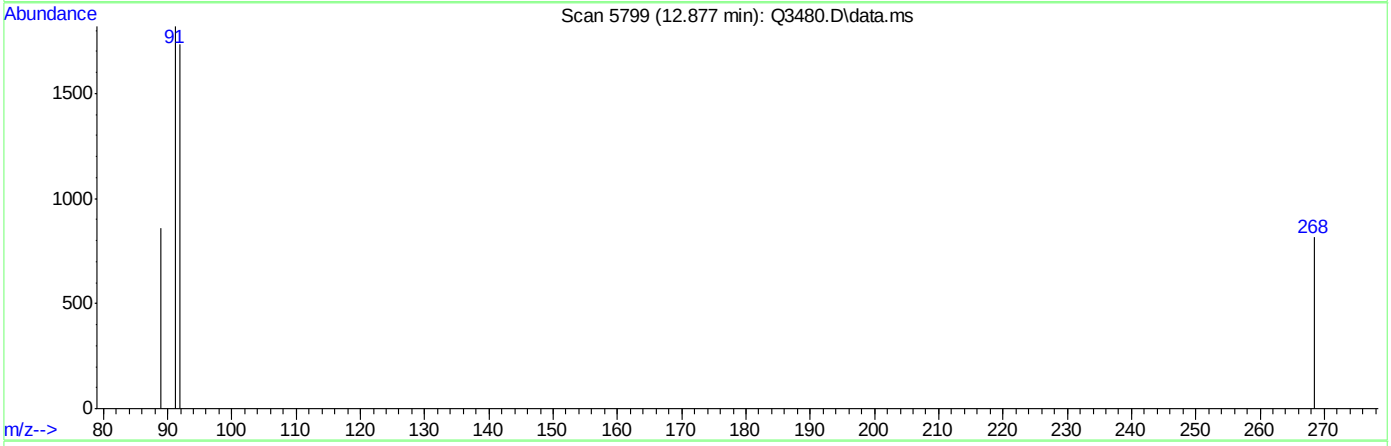
Ion	Exp%	Act%
92.00	100	100
91.00	170.80	192.12#
65.00	22.90	9.68
0.00	0.00	0.00

Quantitation Report (Qedit)

```
Data Path : C:\msdchem\1\DATA\
Data File : Q3480.D
Acq On    : 21 May 2007   9:43 pm
Operator  : PhilipB
Sample    : IC189-.2 (M044)
Misc      : MS13602,MSQ189,,,,,1
ALS Vial  : 4   Sample Multiplier: 1

Quant Time: May 22 09:25:45 2007
Quant Method : C:\msdchem\1\METHODS\Q051507T.m
Quant Title  : TO15  by GCMS w/DB-1 60 m X .25 mm ID 1.0 um
QLast Update : Tue May 22 09:25:38 2007
Response via : Initial Calibration
```



TIC: Q3480.D\data.ms

(46) TOLUENE (m)

12.877min (-0.004) 0.10PPBV m

response 1333

Ion	Exp%	Act%
92.00	100	100
91.00	170.80	192.12#
65.00	22.90	9.68
0.00	0.00	0.00

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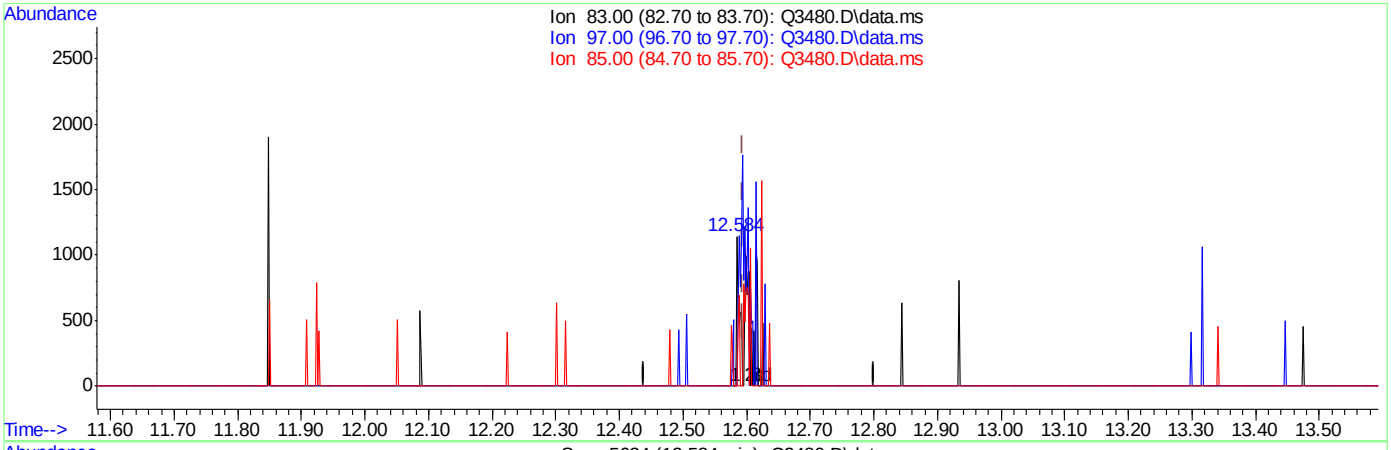
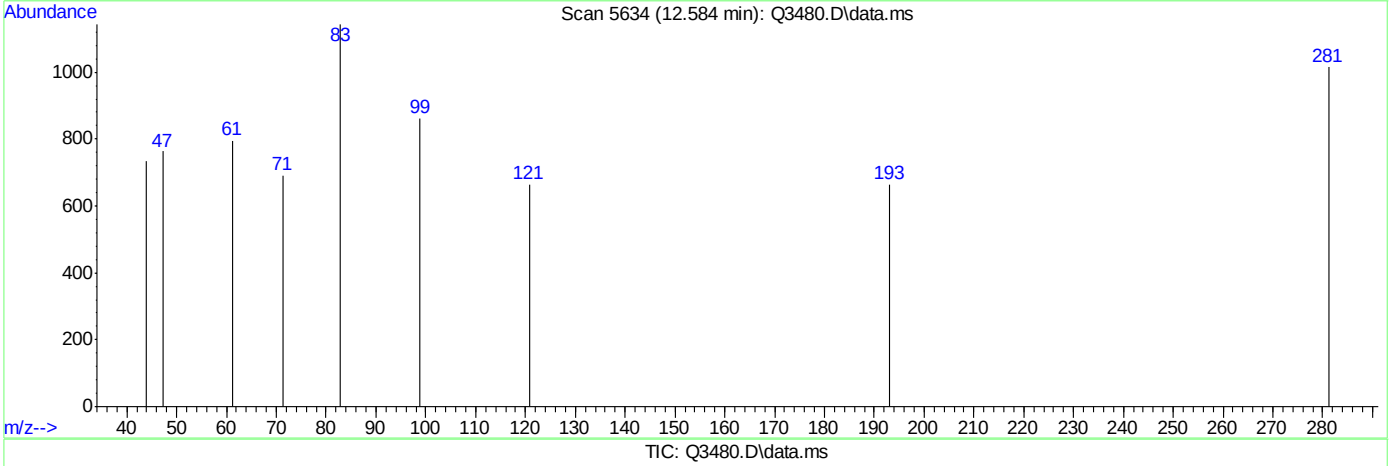
Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\
Data File : Q3480.D
Acq On : 21 May 2007 9:43 pm
Operator : PhilipB
Sample : IC189-.2 (M044)
Misc : MS13602,MSQ189,,,,,1
ALS Vial : 4 Sample Multiplier: 1

Quant Time: May 22 09:25:45 2007
Quant Method : C:\msdchem\1\METHODS\Q051507T.m
Quant Title : TO15 by GCMS w/DB-1 60 m X .25 mm ID 1.0 um
QLast Update : Tue May 22 09:25:38 2007
Response via : Initial Calibration





TIC: Q3480.D\data.ms

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

12.584min (-0.011) 0.04PPBV

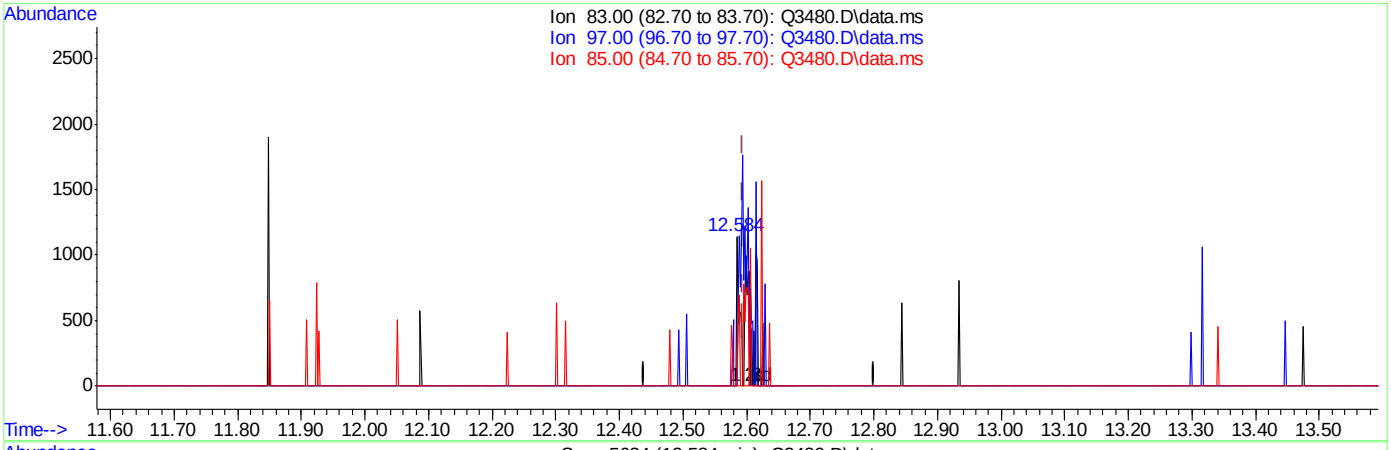
response 349

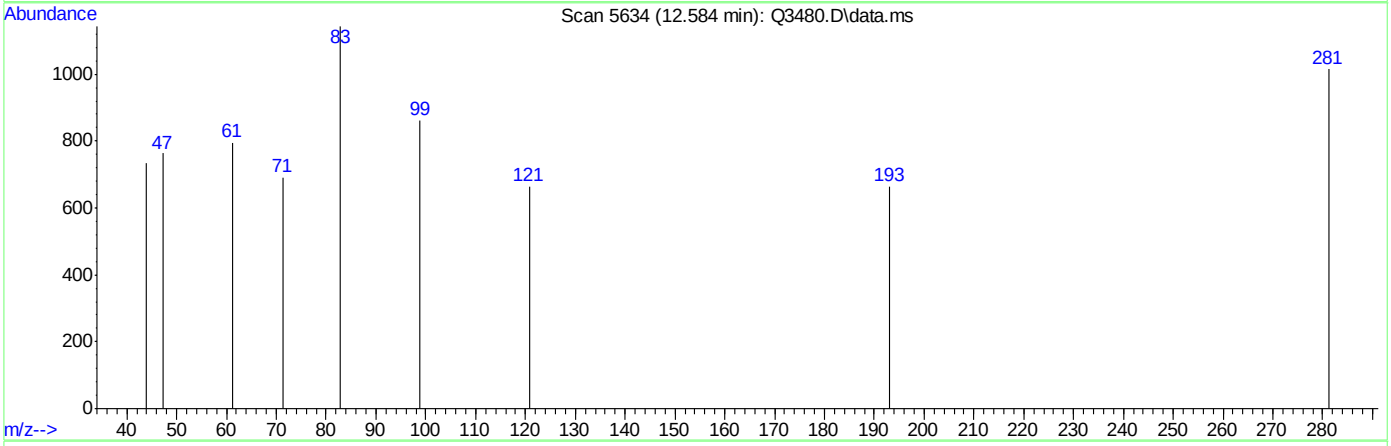
Ion	Exp%	Act%
83.00	100	100
97.00	121.10	337.25#
85.00	65.40	36.10#
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\
Data File : Q3480.D
Acq On : 21 May 2007 9:43 pm
Operator : PhilipB
Sample : IC189-.2 (M044)
Misc : MS13602,MSQ189,,,,,1
ALS Vial : 4 Sample Multiplier: 1

Quant Time: May 22 09:25:45 2007
Quant Method : C:\msdchem\1\METHODS\Q051507T.m
Quant Title : TO15 by GCMS w/DB-1 60 m X .25 mm ID 1.0 um
QLast Update : Tue May 22 09:25:38 2007
Response via : Initial Calibration





TIC: Q3480.D\data.ms

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

12.584min (-0.011) 0.14PPBV m

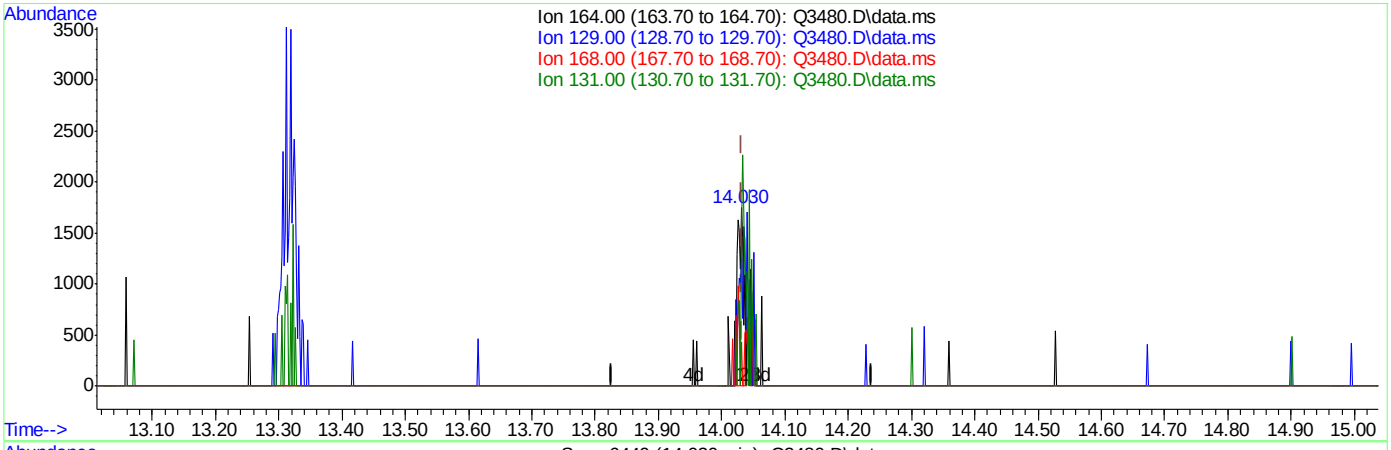
response 1143

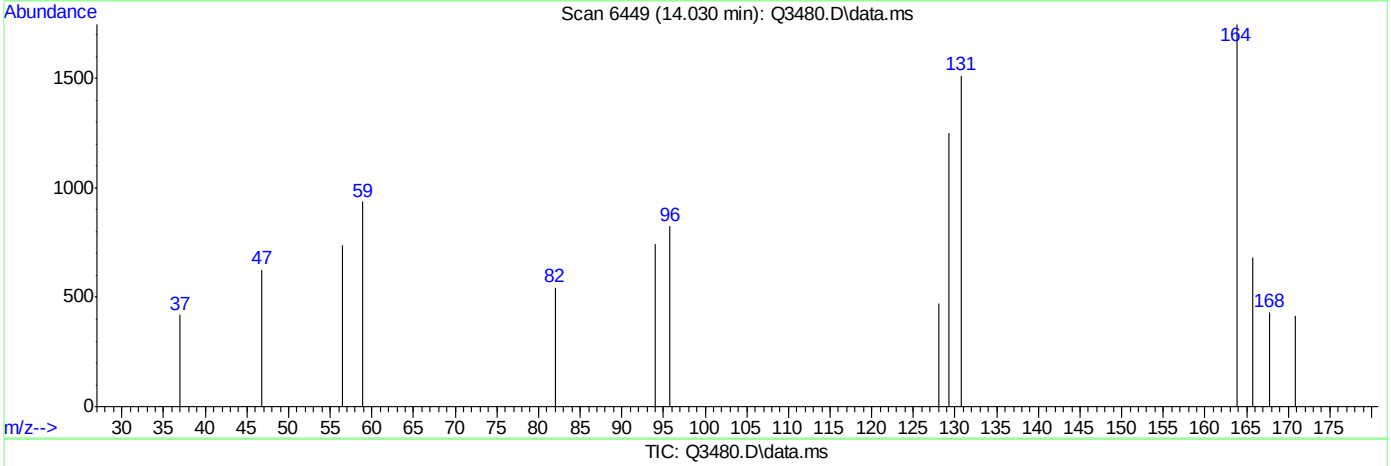
Ion	Exp%	Act%
83.00	100	100
97.00	121.10	102.97
85.00	65.40	11.02#
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\
Data File : Q3480.D
Acq On : 21 May 2007 9:43 pm
Operator : PhilipB
Sample : IC189-.2 (M044)
Misc : MS13602,MSQ189,,,,,1
ALS Vial : 4 Sample Multiplier: 1

Quant Time: May 22 09:25:45 2007
Quant Method : C:\msdchem\1\METHODS\Q051507T.m
Quant Title : TO15 by GCMS w/DB-1 60 m X .25 mm ID 1.0 um
QLast Update : Tue May 22 09:25:38 2007
Response via : Initial Calibration





TIC: Q3480.D\data.ms

(51) TETRACHLOROETHYLENE (m)

14.030min (-0.002) 0.12PPBV

response 1184

Ion	Exp%	Act%
164.00	100	100
129.00	99.00	0.00#
168.00	60.20	19.43#
131.00	102.50	111.74

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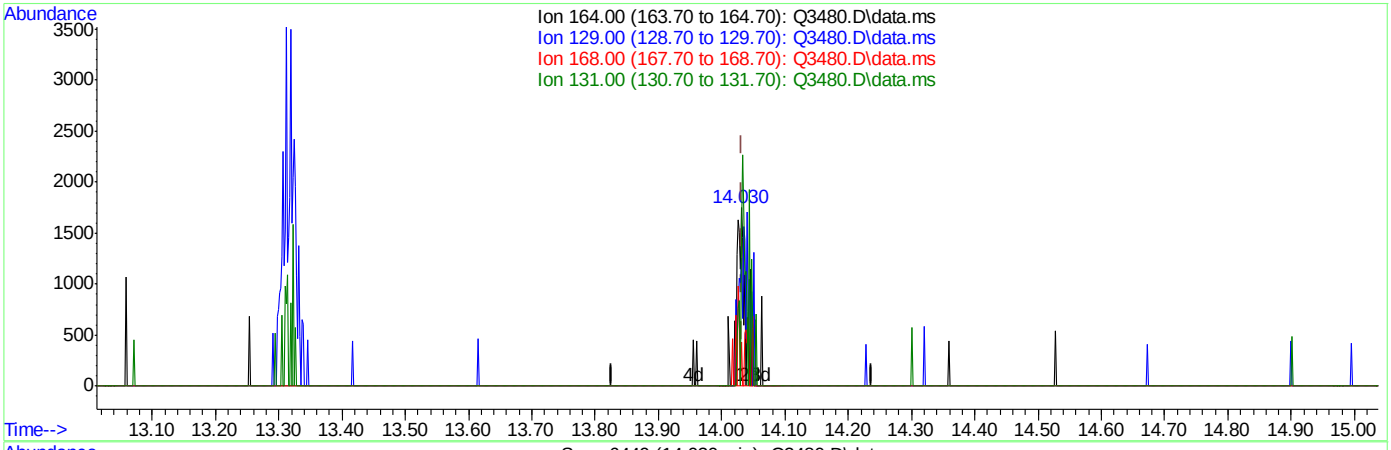
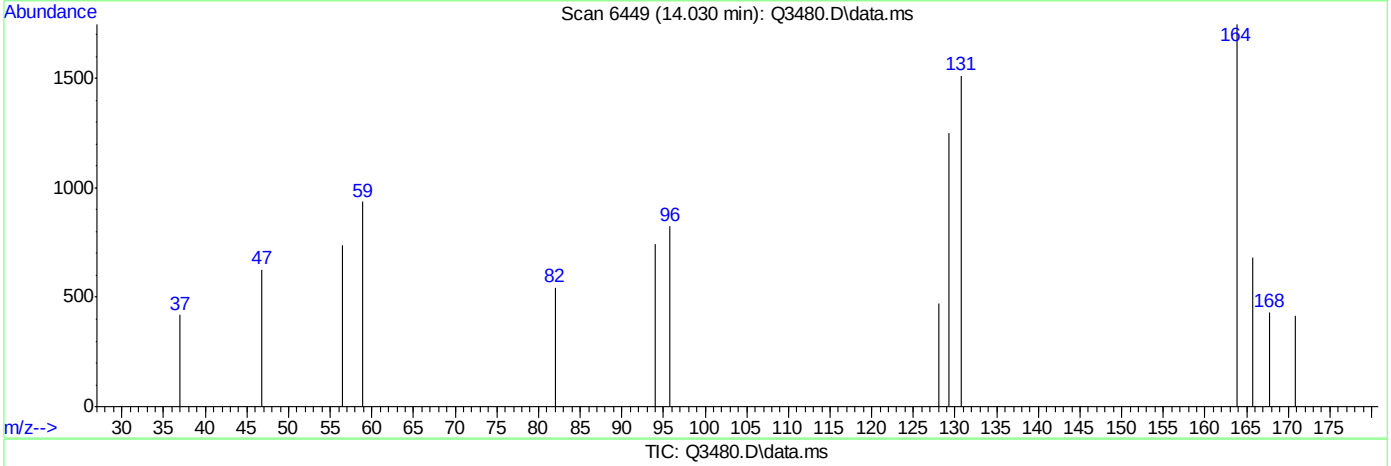
Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\
Data File : Q3480.D
Acq On : 21 May 2007 9:43 pm
Operator : PhilipB
Sample : IC189-.2 (M044)
Misc : MS13602,MSQ189,,,,,1
ALS Vial : 4 Sample Multiplier: 1

Quant Time: May 22 09:25:45 2007
Quant Method : C:\msdchem\1\METHODS\Q051507T.m
Quant Title : TO15 by GCMS w/DB-1 60 m X .25 mm ID 1.0 um
QLast Update : Tue May 22 09:25:38 2007
Response via : Initial Calibration





TIC: Q3480.D\data.ms

(51) TETRACHLOROETHYLENE (m)

14.030min (-0.002) 0.17PPBV m

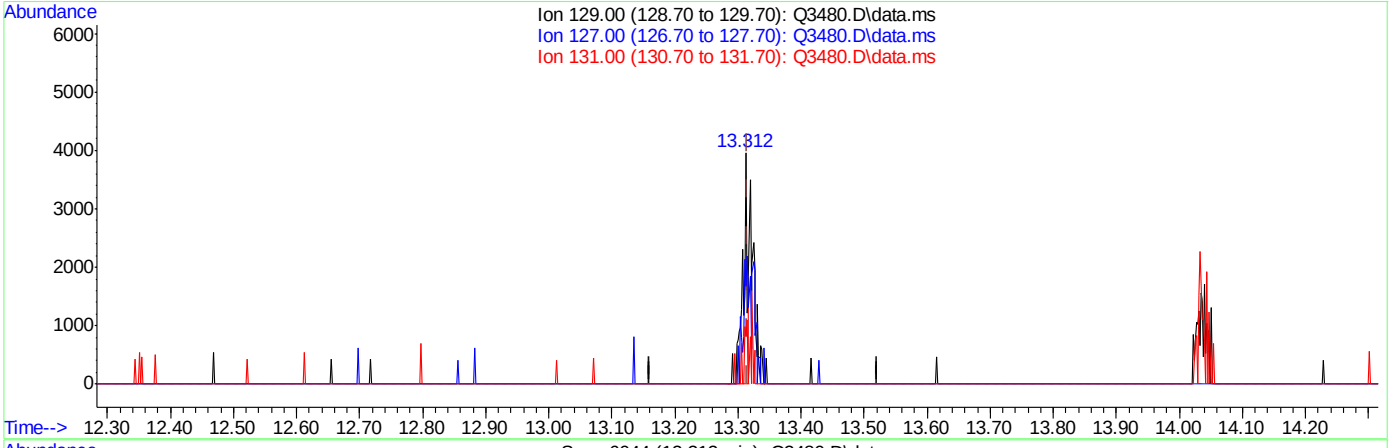
response 1724

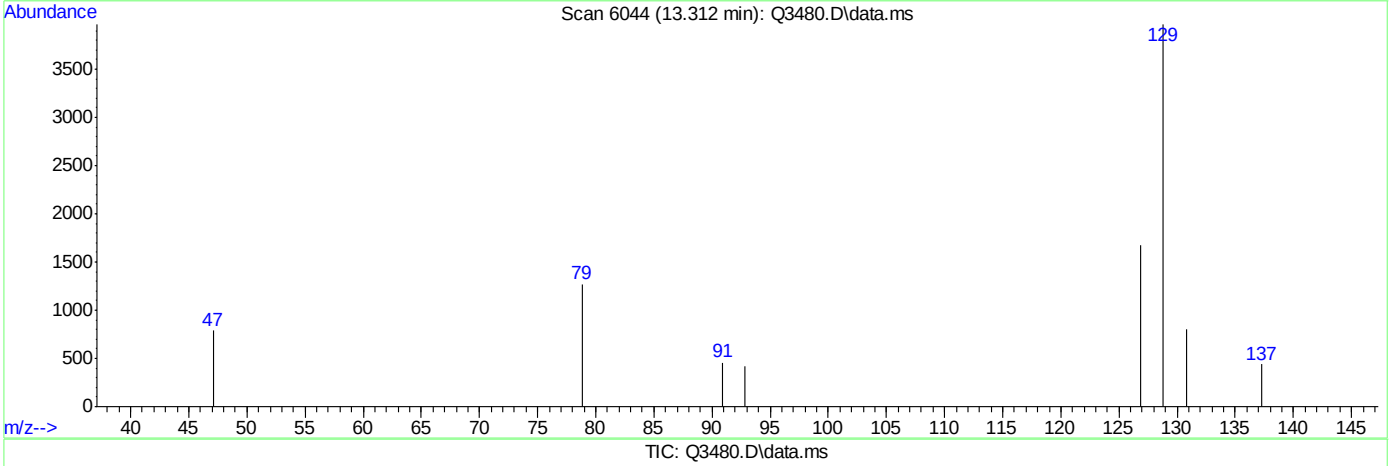
Ion	Exp%	Act%
164.00	100	100
129.00	99.00	0.00#
168.00	60.20	13.34#
131.00	102.50	76.74#

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\
Data File : Q3480.D
Acq On : 21 May 2007 9:43 pm
Operator : PhilipB
Sample : IC189-.2 (M044)
Misc : MS13602,MSQ189,,,,,1
ALS Vial : 4 Sample Multiplier: 1

Quant Time: May 22 09:25:45 2007
Quant Method : C:\msdchem\1\METHODS\Q051507T.m
Quant Title : TO15 by GCMS w/DB-1 60 m X .25 mm ID 1.0 um
QLast Update : Tue May 22 09:25:38 2007
Response via : Initial Calibration





TIC: Q3480.D\data.ms

(52) DIBROMOCHLOROMETHANE (m)

13.312min (-0.004) 0.07PPBV

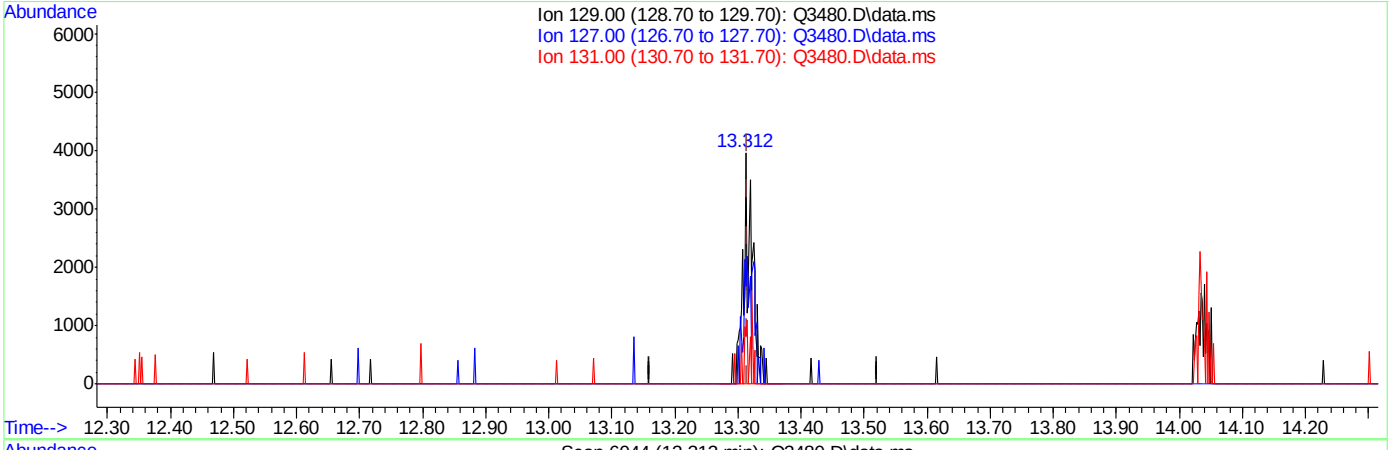
response 1783

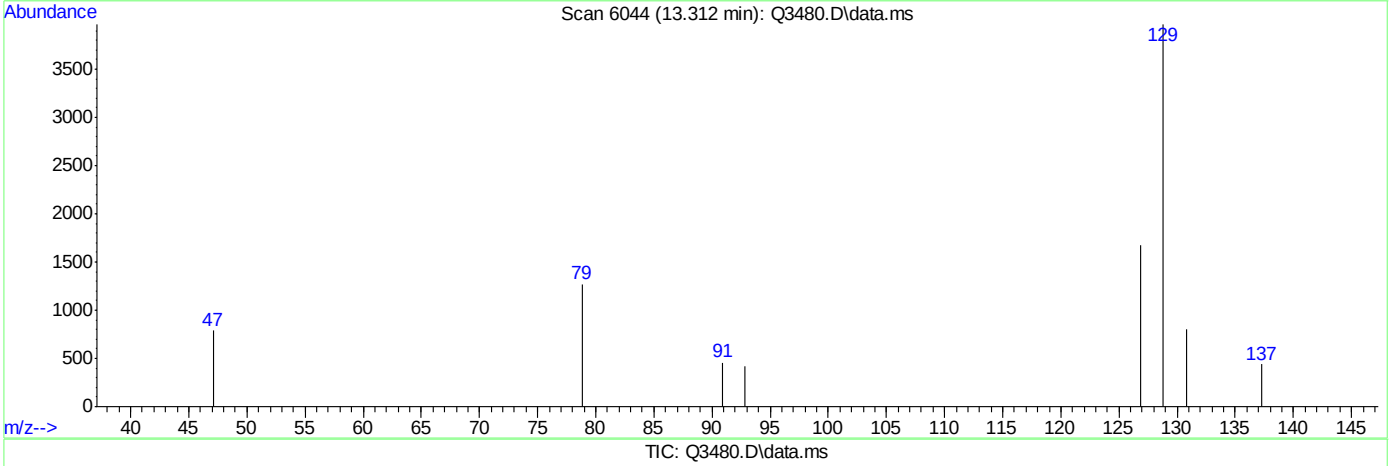
Ion	Exp%	Act%
129.00	100	100
127.00	78.00	144.14#
131.00	25.60	4.21#
0.00	0.00	0.00

Quantitation Report (Qedit)

```
Data Path : C:\msdchem\1\DATA\
Data File : Q3480.D
Acq On    : 21 May 2007   9:43 pm
Operator  : PhilipB
Sample    : IC189-.2 (M044)
Misc      : MS13602,MSQ189,,,,,1
ALS Vial  : 4   Sample Multiplier: 1

Quant Time: May 22 09:25:45 2007
Quant Method : C:\msdchem\1\METHODS\Q051507T.m
Quant Title  : TO15  by GCMS w/DB-1 60 m X .25 mm ID 1.0 um
QLast Update : Tue May 22 09:25:38 2007
Response via : Initial Calibration
```



TIC: Q3480.D\data.ms

(52) DIBROMOCHLOROMETHANE (m)

13.312min (-0.004) 0.16PPBV m

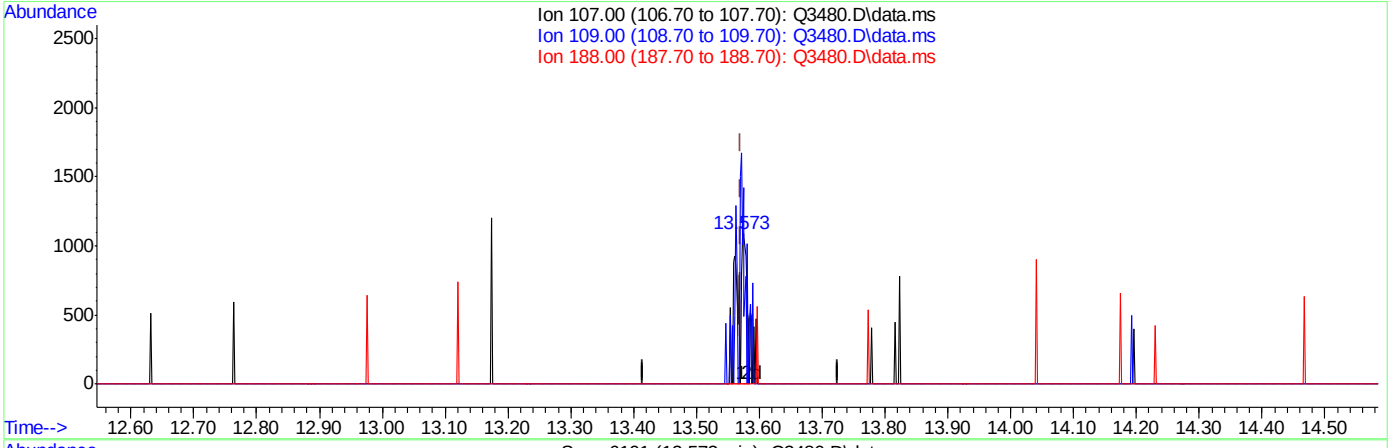
response 3752

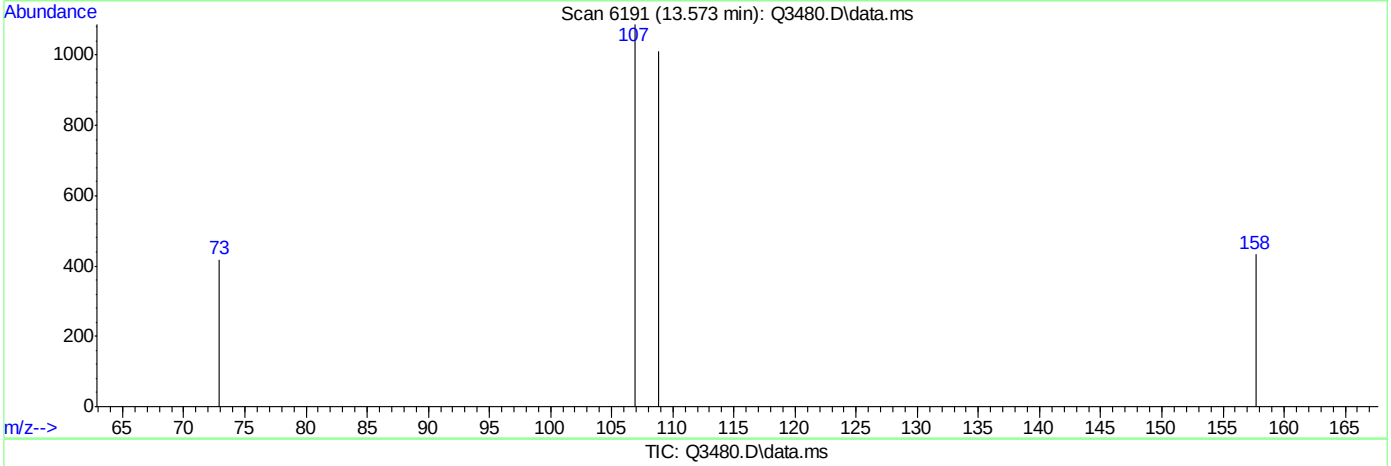
Ion	Exp%	Act%
129.00	100	100
127.00	78.00	68.50
131.00	25.60	2.00#
0.00	0.00	0.00

Quantitation Report (Qedit)

```
Data Path : C:\msdchem\1\DATA\
Data File : Q3480.D
Acq On    : 21 May 2007   9:43 pm
Operator  : PhilipB
Sample    : IC189-.2 (M044)
Misc      : MS13602,MSQ189,,,,,1
ALS Vial  : 4   Sample Multiplier: 1

Quant Time: May 22 09:25:45 2007
Quant Method : C:\msdchem\1\METHODS\Q051507T.m
Quant Title  : TO15  by GCMS w/DB-1 60 m X .25 mm ID 1.0 um
QLast Update : Tue May 22 09:25:38 2007
Response via : Initial Calibration
```



TIC: Q3480.D\data.ms

(53) 1,2-DIBROMOETHANE (m)

13.573min (+0.002) 0.07PPBV

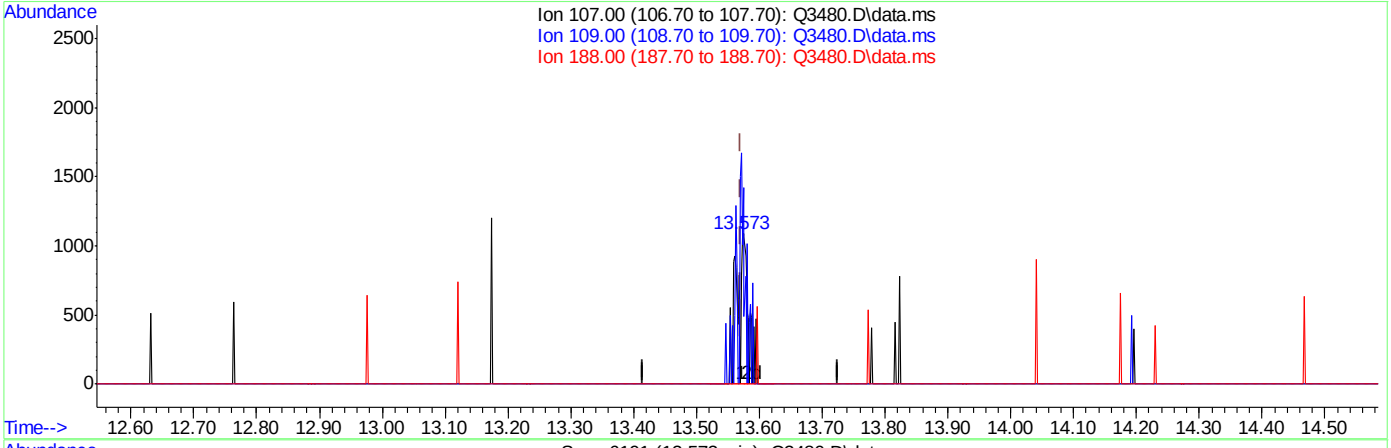
response 1246

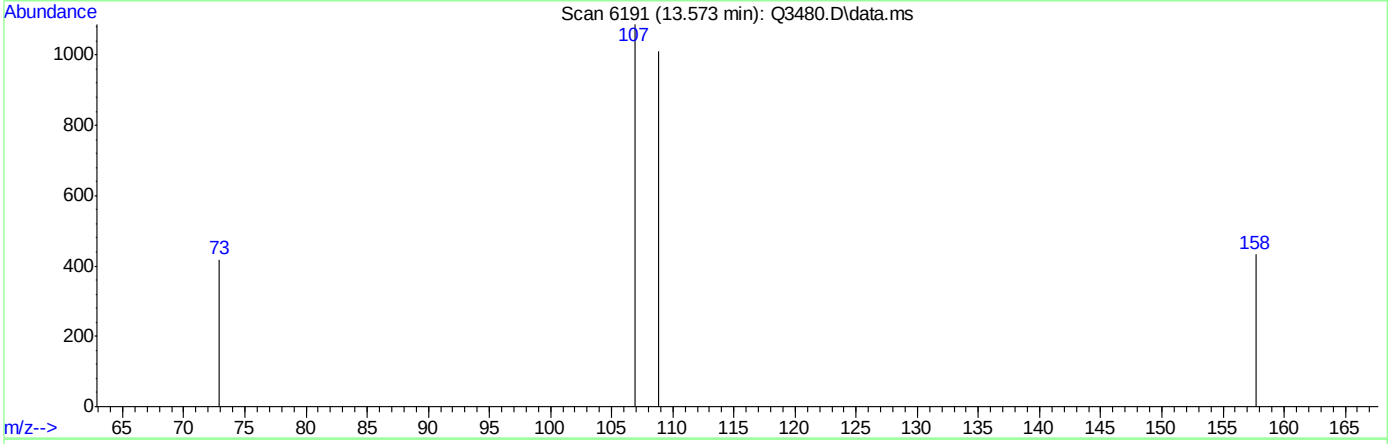
Ion	Exp%	Act%
107.00	100	100
109.00	93.80	116.69#
188.00	2.80	0.00
0.00	0.00	0.00

Quantitation Report (Qedit)

```
Data Path : C:\msdchem\1\DATA\
Data File : Q3480.D
Acq On    : 21 May 2007   9:43 pm
Operator  : PhilipB
Sample    : IC189-.2 (M044)
Misc      : MS13602,MSQ189,,,,,1
ALS Vial  : 4   Sample Multiplier: 1

Quant Time: May 22 09:25:45 2007
Quant Method : C:\msdchem\1\METHODS\Q051507T.m
Quant Title  : TO15  by GCMS w/DB-1 60 m X .25 mm ID 1.0 um
QLast Update : Tue May 22 09:25:38 2007
Response via : Initial Calibration
```



TIC: Q3480.D\data.ms

(53) 1,2-DIBROMOETHANE (m)

13.573min (+0.002) 0.08PPBV m

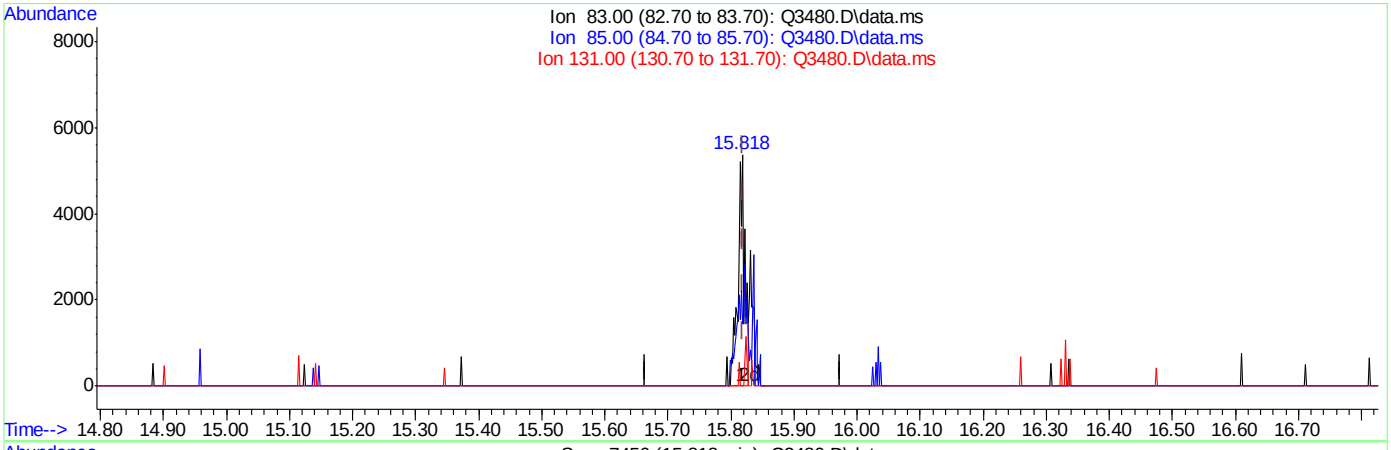
response 1447

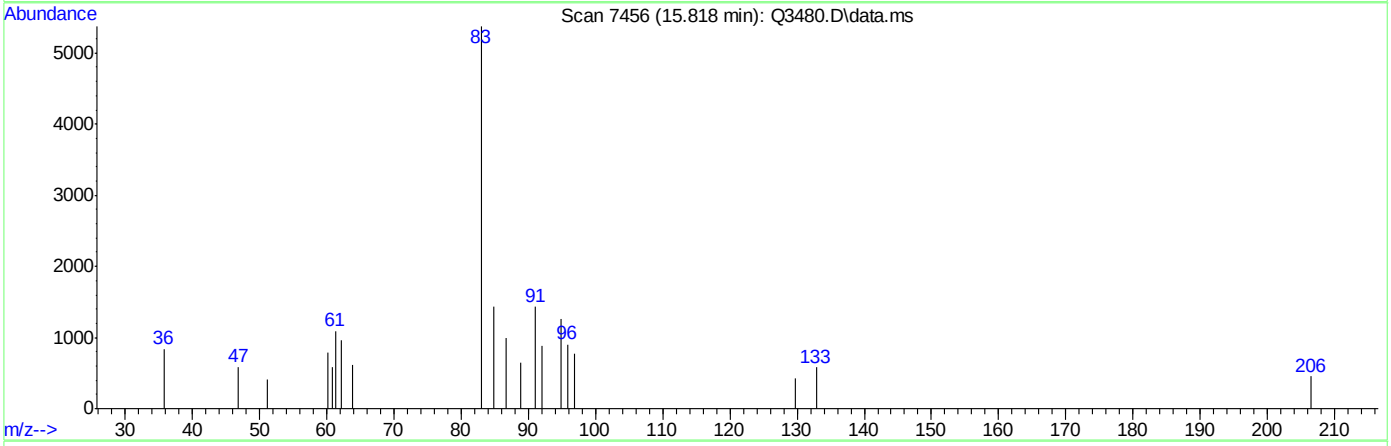
Ion	Exp%	Act%
107.00	100	100
109.00	93.80	100.48
188.00	2.80	0.00
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\
Data File : Q3480.D
Acq On : 21 May 2007 9:43 pm
Operator : PhilipB
Sample : IC189-.2 (M044)
Misc : MS13602,MSQ189,,,,,1
ALS Vial : 4 Sample Multiplier: 1

Quant Time: May 22 09:25:45 2007
Quant Method : C:\msdchem\1\METHODS\Q051507T.m
Quant Title : TO15 by GCMS w/DB-1 60 m X .25 mm ID 1.0 um
QLast Update : Tue May 22 09:25:38 2007
Response via : Initial Calibration





TIC: Q3480.D\data.ms

(62) 1,1,2,2-TETRACHLOROETHANE (m)

15.818min (-0.002) 0.17PPBV

response 3953

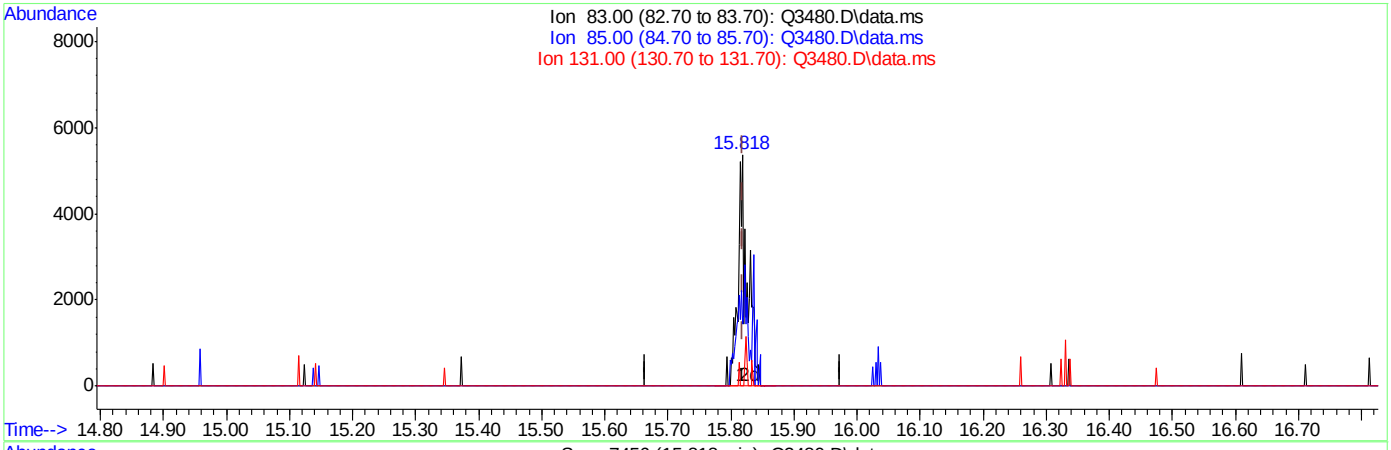
Ion	Exp%	Act%
83.00	100	100
85.00	63.60	0.00#
131.00	14.70	6.20
0.00	0.00	0.00

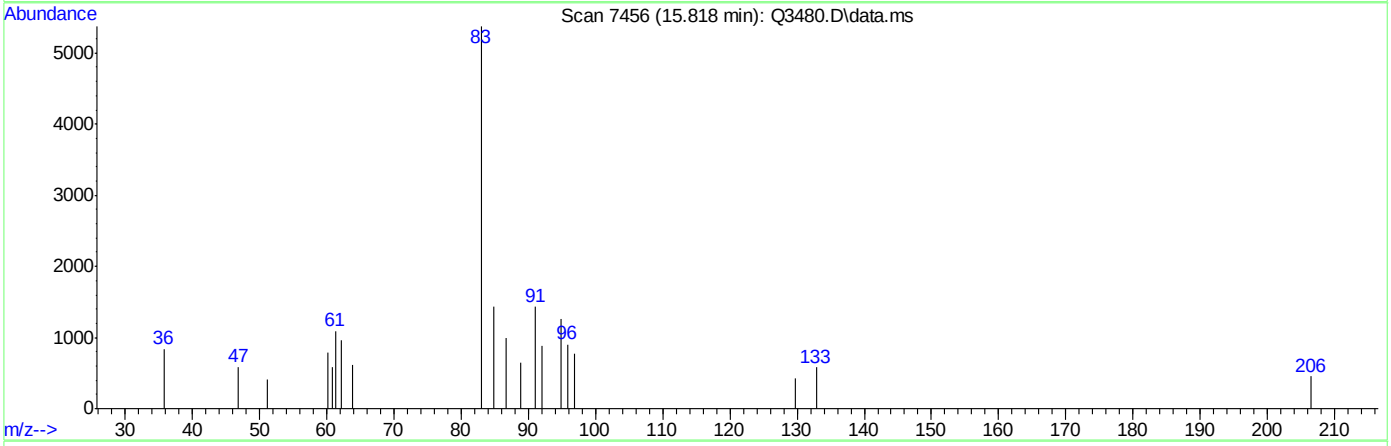
ACCUTEST Laboratories M65137

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\
Data File : Q3480.D
Acq On : 21 May 2007 9:43 pm
Operator : PhilipB
Sample : IC189-.2 (M044)
Misc : MS13602,MSQ189,,,,,1
ALS Vial : 4 Sample Multiplier: 1

Quant Time: May 22 09:25:45 2007
Quant Method : C:\msdchem\1\METHODS\Q051507T.m
Quant Title : TO15 by GCMS w/DB-1 60 m X .25 mm ID 1.0 um
QLast Update : Tue May 22 09:25:38 2007
Response via : Initial Calibration





TIC: Q3480.D\data.ms

(62) 1,1,2,2-TETRACHLOROETHANE (m)

15.818min (-0.002) 0.24PPBV m

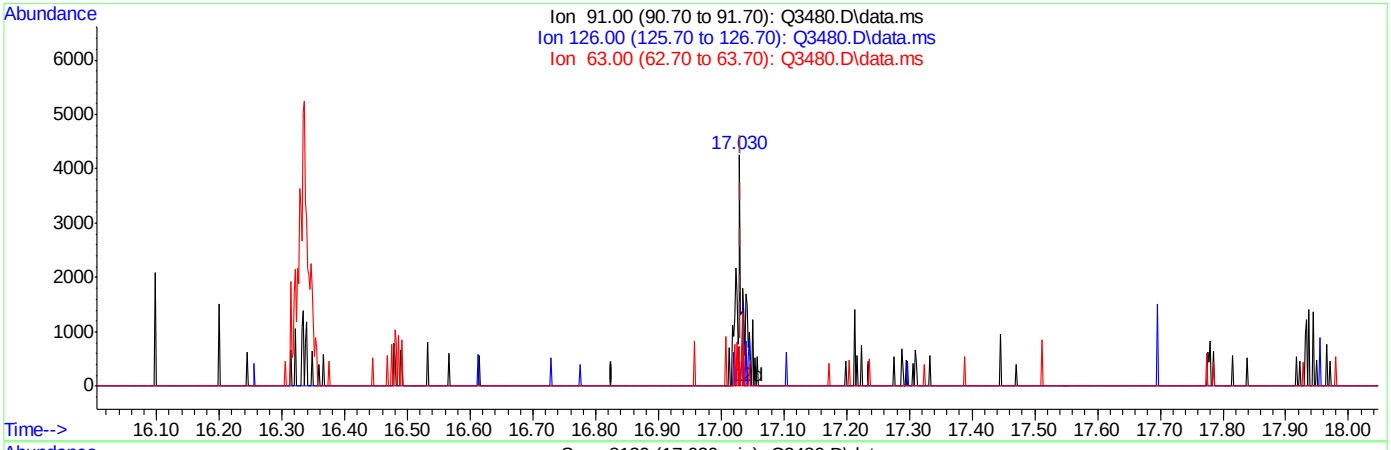
response 5486

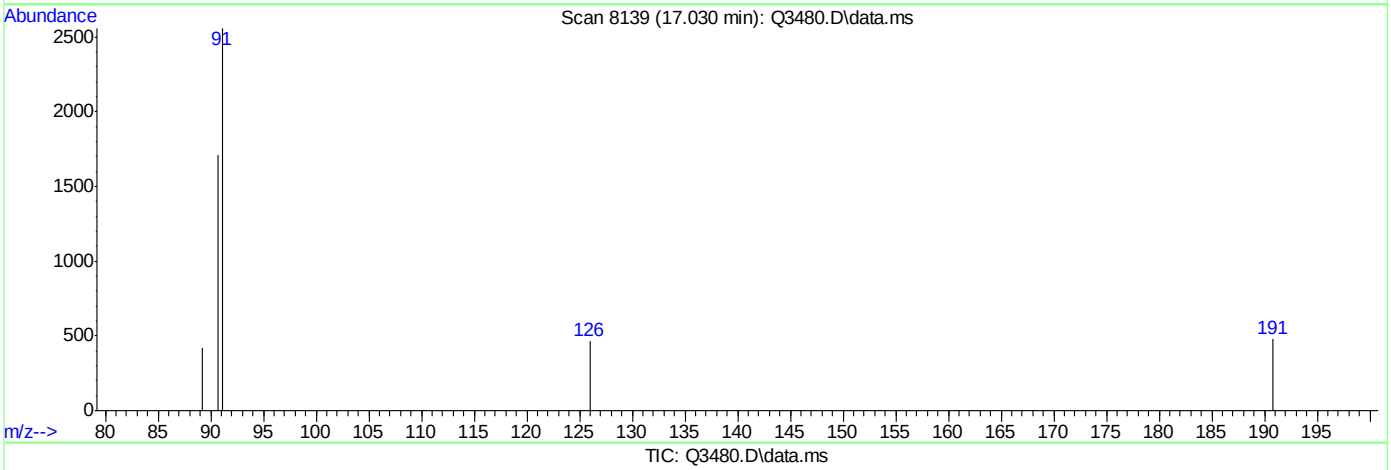
Ion	Exp%	Act%
83.00	100	100
85.00	63.60	0.00#
131.00	14.70	4.47
0.00	0.00	0.00

Quantitation Report (Qedit)

```
Data Path : C:\msdchem\1\DATA\
Data File : Q3480.D
Acq On    : 21 May 2007   9:43 pm
Operator  : PhilipB
Sample    : IC189-.2 (M044)
Misc      : MS13602,MSQ189,,,,,1
ALS Vial  : 4   Sample Multiplier: 1

Quant Time: May 22 09:25:45 2007
Quant Method : C:\msdchem\1\METHODS\Q051507T.m
Quant Title  : TO15  by GCMS w/DB-1 60 m X .25 mm ID 1.0 um
QLast Update : Tue May 22 09:25:38 2007
Response via : Initial Calibration
```



(64) 2-CHLOROTOLUENE (m)

17.030min (-0.002) 0.10PPBV

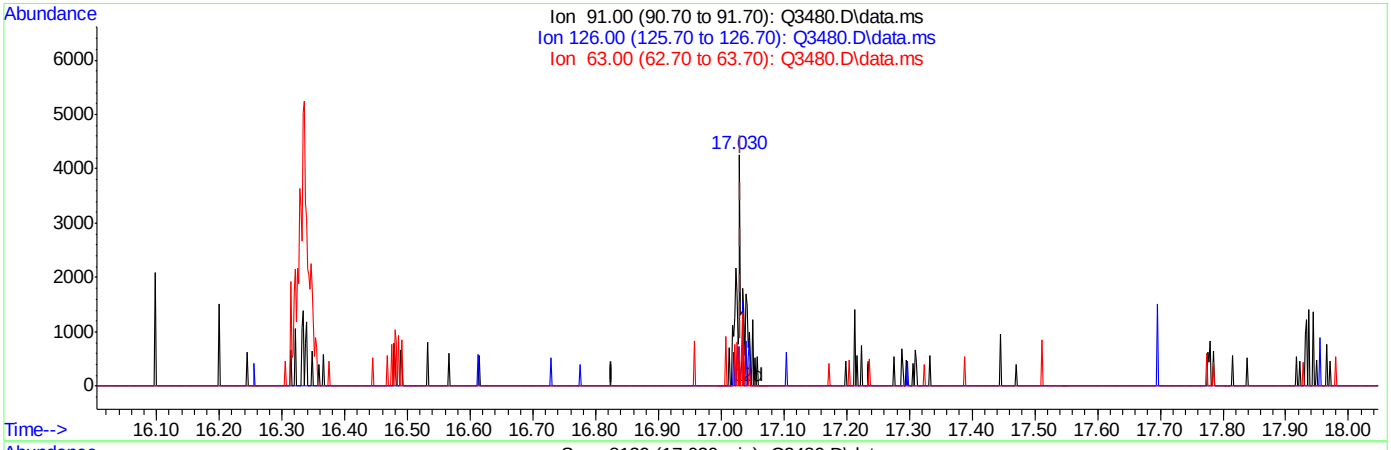
response 2762

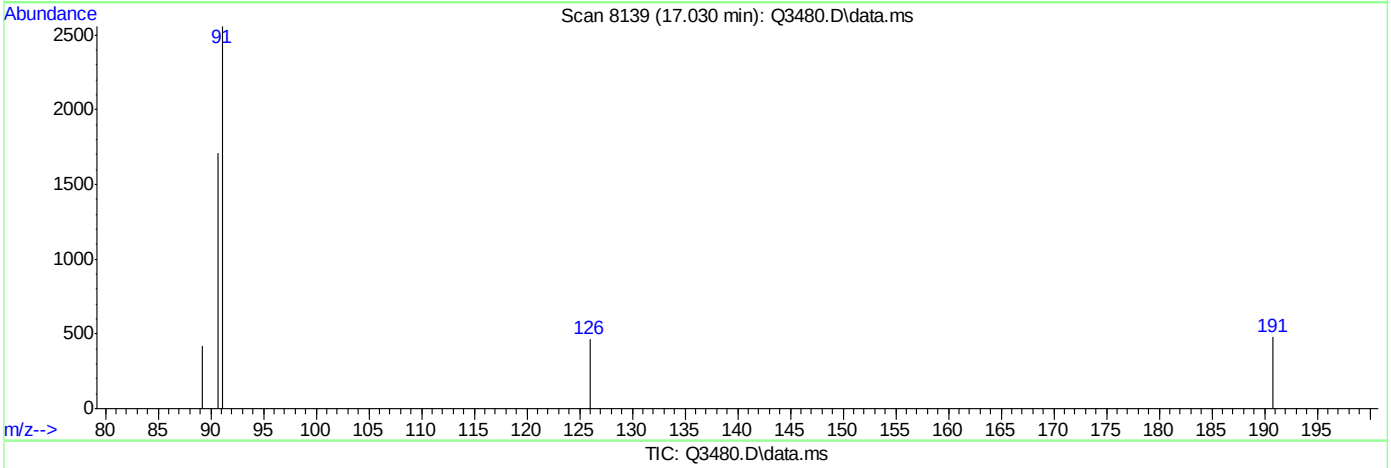
Ion	Exp%	Act%
91.00	100	100
126.00	36.10	18.07
63.00	18.60	11.01
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\
Data File : Q3480.D
Acq On : 21 May 2007 9:43 pm
Operator : PhilipB
Sample : IC189-.2 (M044)
Misc : MS13602,MSQ189,,,,,1
ALS Vial : 4 Sample Multiplier: 1

Quant Time: May 22 09:25:45 2007
Quant Method : C:\msdchem\1\METHODS\Q051507T.m
Quant Title : TO15 by GCMS w/DB-1 60 m X .25 mm ID 1.0 um
QLast Update : Tue May 22 09:25:38 2007
Response via : Initial Calibration





TIC: Q3480.D\data.ms

(64) 2-CHLOROTOLUENE (m)

17.030min (-0.002) 0.11PPBV m

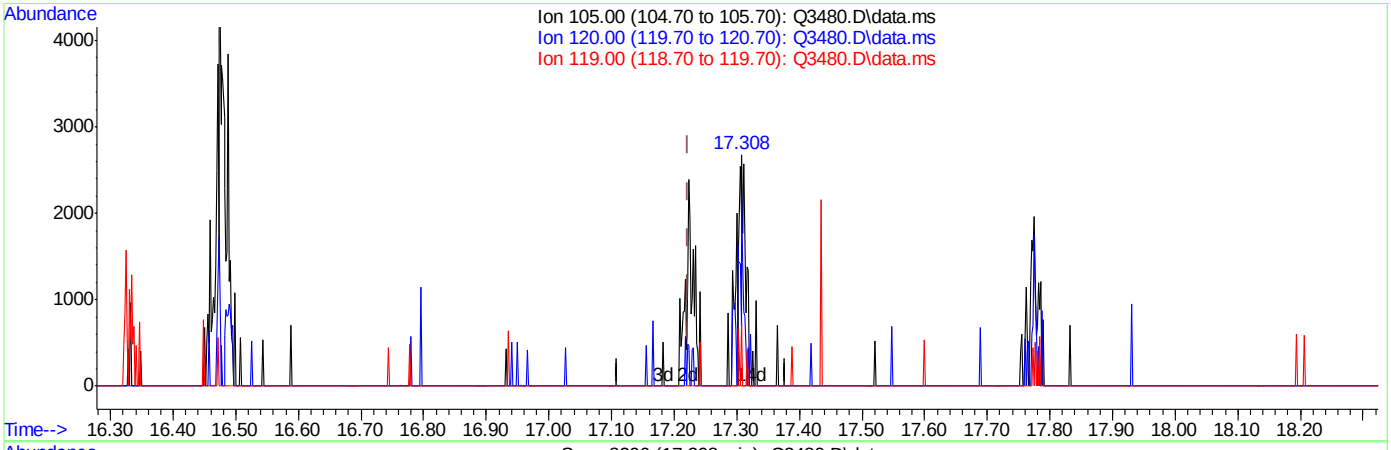
response 3006

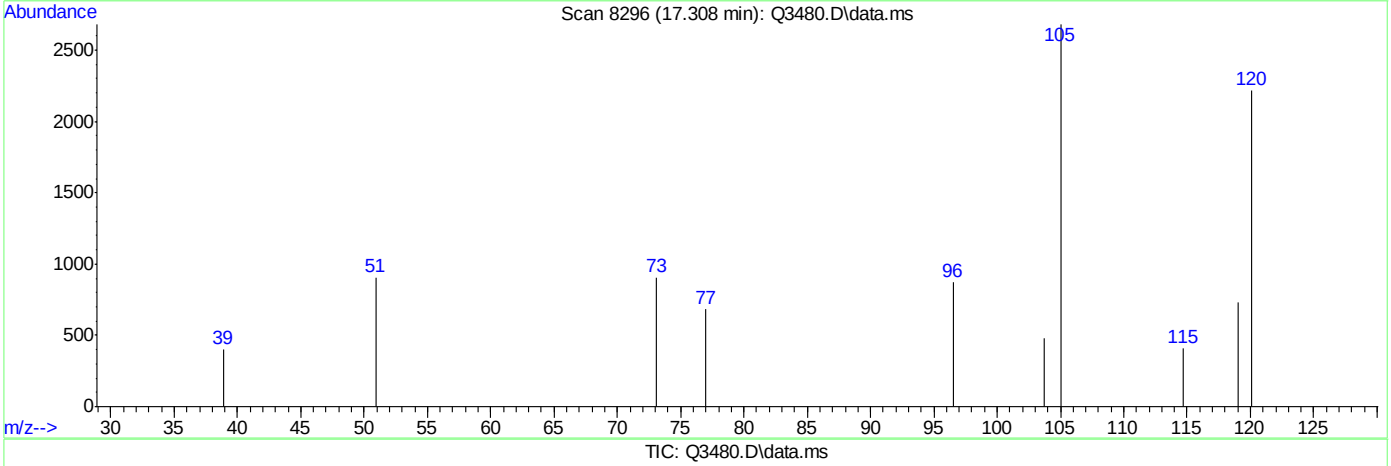
Ion	Exp%	Act%
91.00	100	100
126.00	36.10	16.60
63.00	18.60	10.11
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\
Data File : Q3480.D
Acq On : 21 May 2007 9:43 pm
Operator : PhilipB
Sample : IC189-.2 (M044)
Misc : MS13602,MSQ189,,,,,1
ALS Vial : 4 Sample Multiplier: 1

Quant Time: May 22 09:25:45 2007
Quant Method : C:\msdchem\1\METHODS\Q051507T.m
Quant Title : TO15 by GCMS w/DB-1 60 m X .25 mm ID 1.0 um
QLast Update : Tue May 22 09:25:38 2007
Response via : Initial Calibration





TIC: Q3480.D\data.ms

(65) 4-ETHYLTOLUENE (m)

17.308min (+0.085) 0.08PPBV

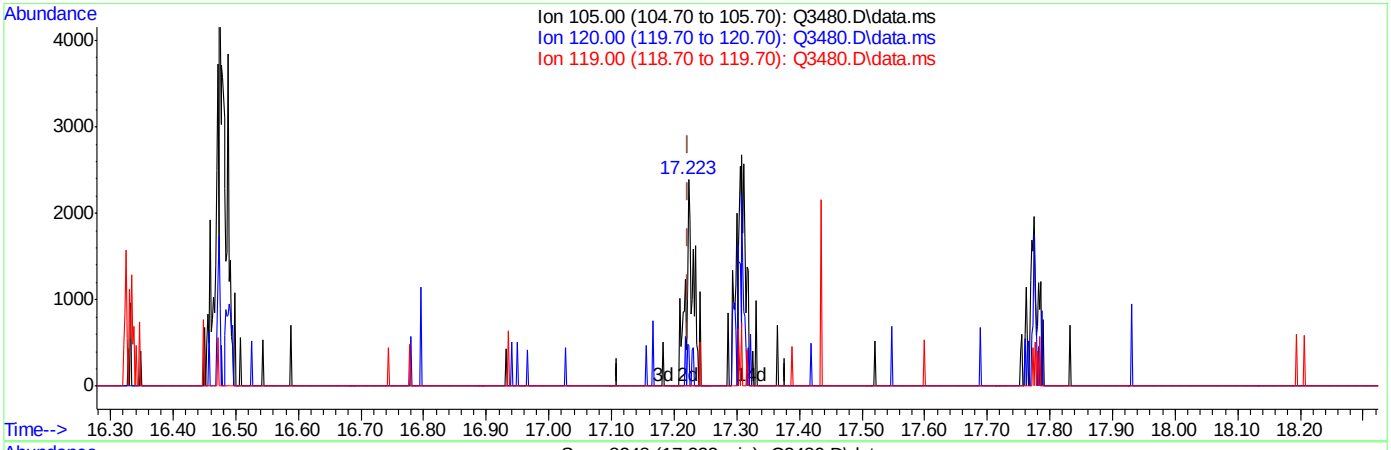
response 2718

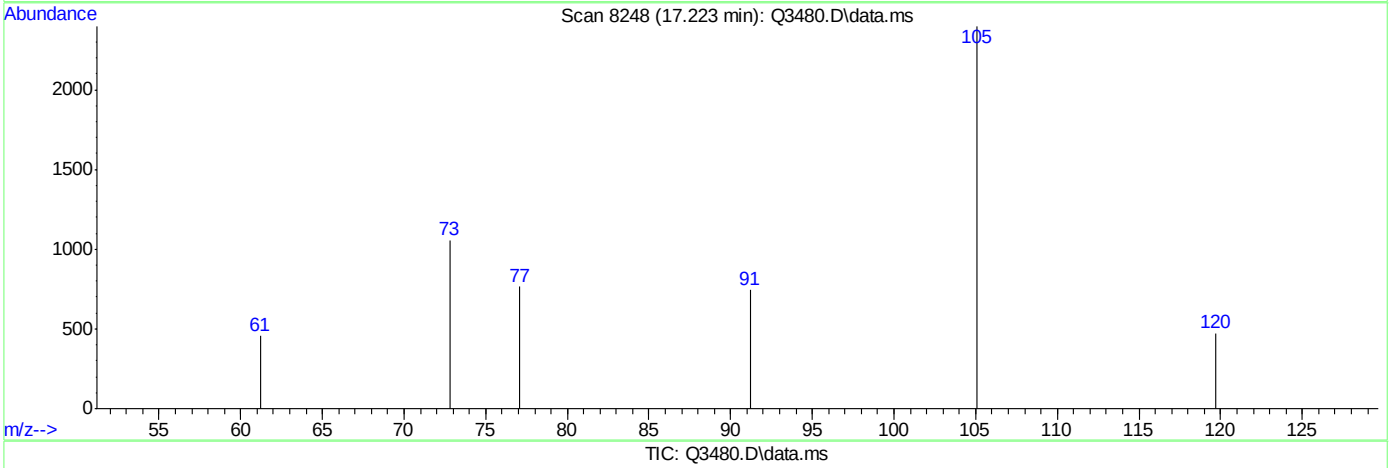
Ion	Exp%	Act%
105.00	100	100
120.00	30.20	44.67
119.00	2.30	8.06
0.00	0.00	0.00

Quantitation Report (Qedit)

```
Data Path : C:\msdchem\1\DATA\
Data File : Q3480.D
Acq On    : 21 May 2007   9:43 pm
Operator  : PhilipB
Sample    : IC189-.2 (M044)
Misc      : MS13602,MSQ189,,,,,1
ALS Vial  : 4   Sample Multiplier: 1

Quant Time: May 22 09:25:45 2007
Quant Method : C:\msdchem\1\METHODS\Q051507T.m
Quant Title  : TO15  by GCMS w/DB-1 60 m X .25 mm ID 1.0 um
QLast Update : Tue May 22 09:25:38 2007
Response via : Initial Calibration
```



TIC: Q3480.D\data.ms

(65) 4-ETHYLTOLUENE (m)

17.223min (-0.000) 0.06PPBV m

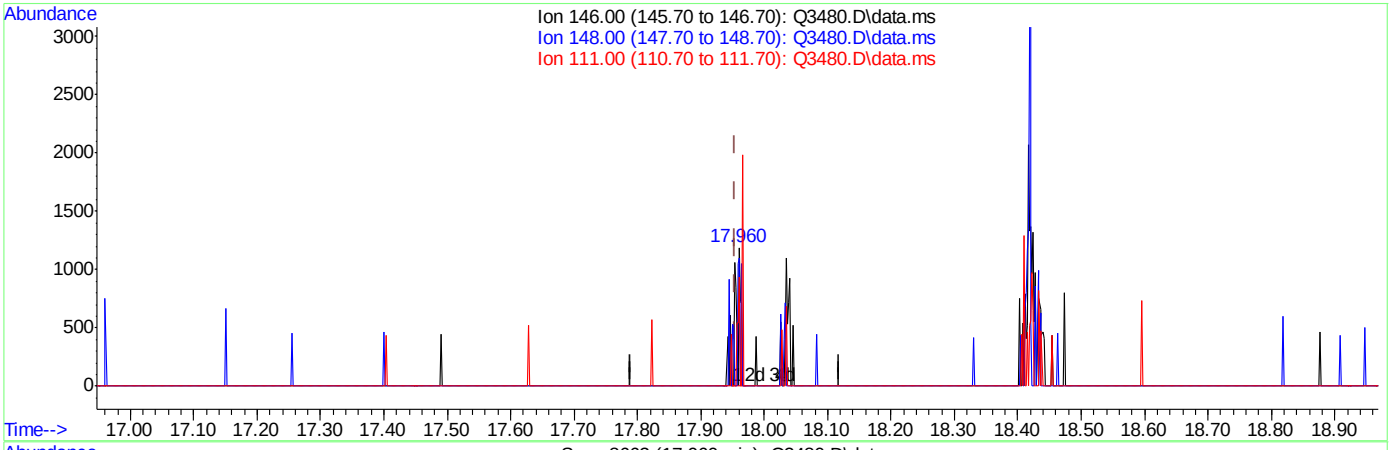
response 2006

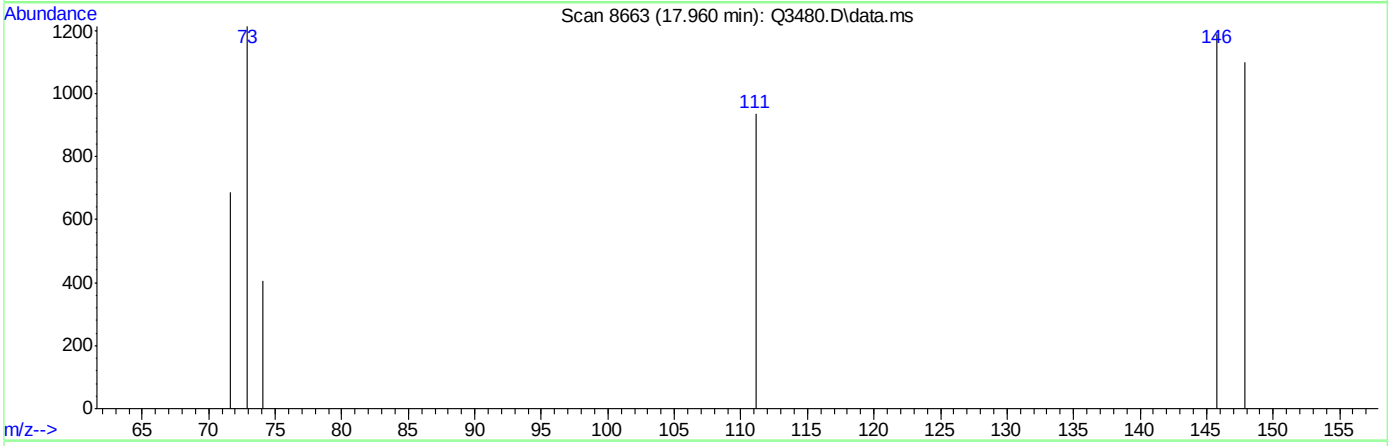
Ion	Exp%	Act%
105.00	100	100
120.00	30.20	60.52#
119.00	2.30	10.92
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\
Data File : Q3480.D
Acq On : 21 May 2007 9:43 pm
Operator : PhilipB
Sample : IC189-.2 (M044)
Misc : MS13602,MSQ189,,,,,1
ALS Vial : 4 Sample Multiplier: 1

Quant Time: May 22 09:25:45 2007
Quant Method : C:\msdchem\1\METHODS\Q051507T.m
Quant Title : TO15 by GCMS w/DB-1 60 m X .25 mm ID 1.0 um
QLast Update : Tue May 22 09:25:38 2007
Response via : Initial Calibration





TIC: Q3480.D\data.ms

(68) m-DICHLOROBENZENE (m)

17.960min (+0.005) 0.03PPBV

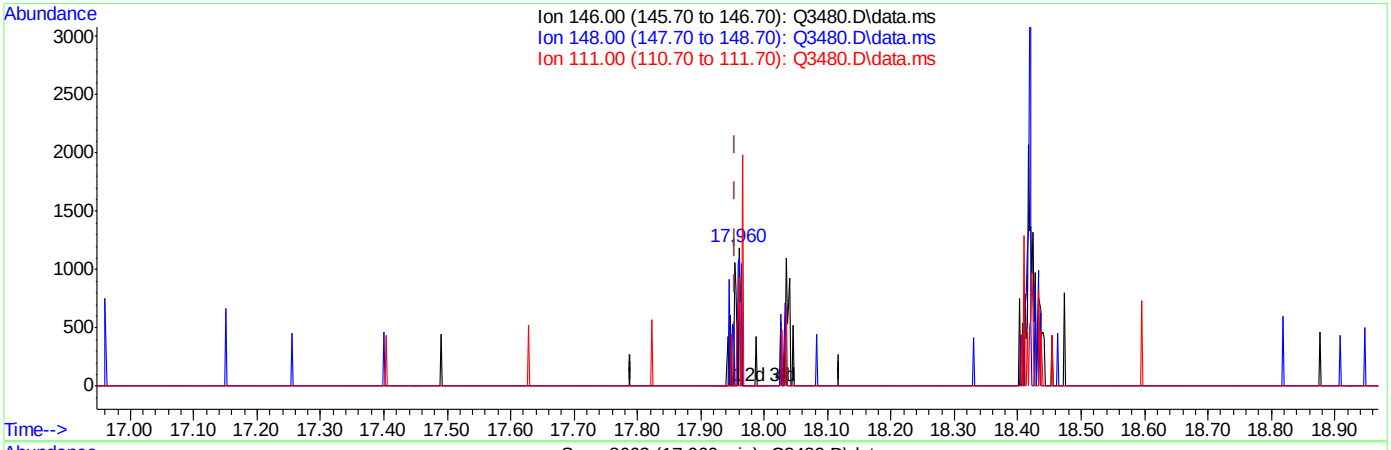
response 530

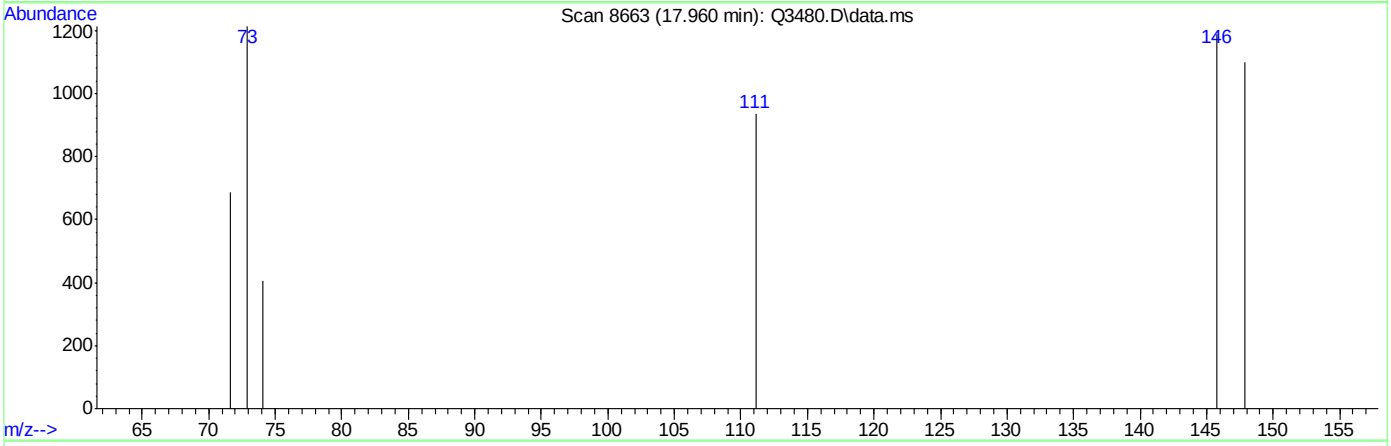
Ion	Exp%	Act%
146.00	100	100
148.00	62.90	64.34
111.00	41.00	80.57#
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\
Data File : Q3480.D
Acq On : 21 May 2007 9:43 pm
Operator : PhilipB
Sample : IC189-.2 (M044)
Misc : MS13602,MSQ189,,,,,1
ALS Vial : 4 Sample Multiplier: 1

Quant Time: May 22 09:25:45 2007
Quant Method : C:\msdchem\1\METHODS\Q051507T.m
Quant Title : TO15 by GCMS w/DB-1 60 m X .25 mm ID 1.0 um
QLast Update : Tue May 22 09:25:38 2007
Response via : Initial Calibration





TIC: Q3480.D\data.ms

(68) m-DICHLOROBENZENE (m)

17.960min (+0.005) 0.04PPBV m

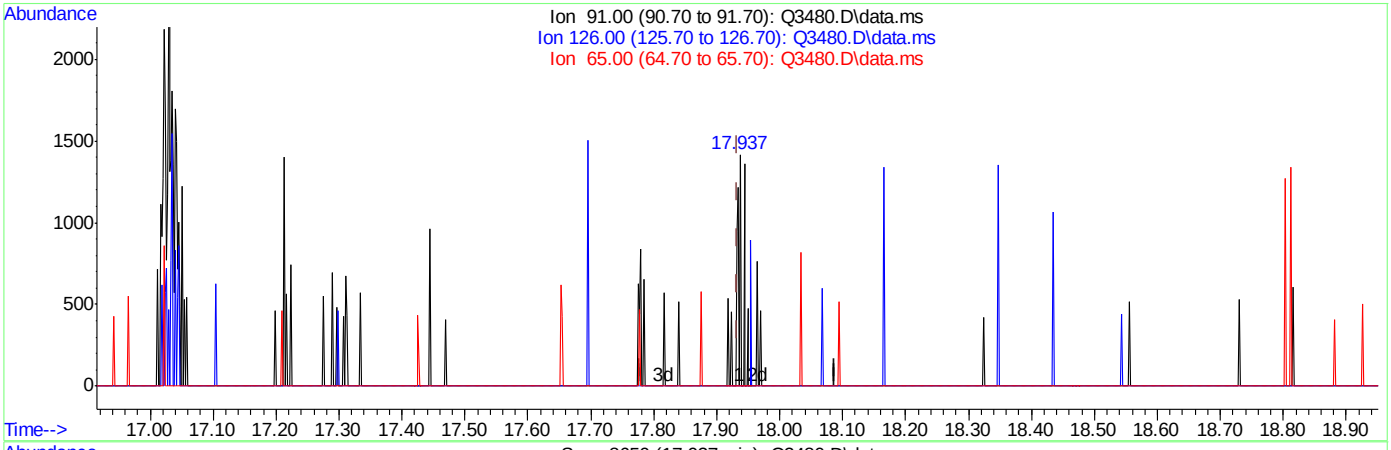
response 685

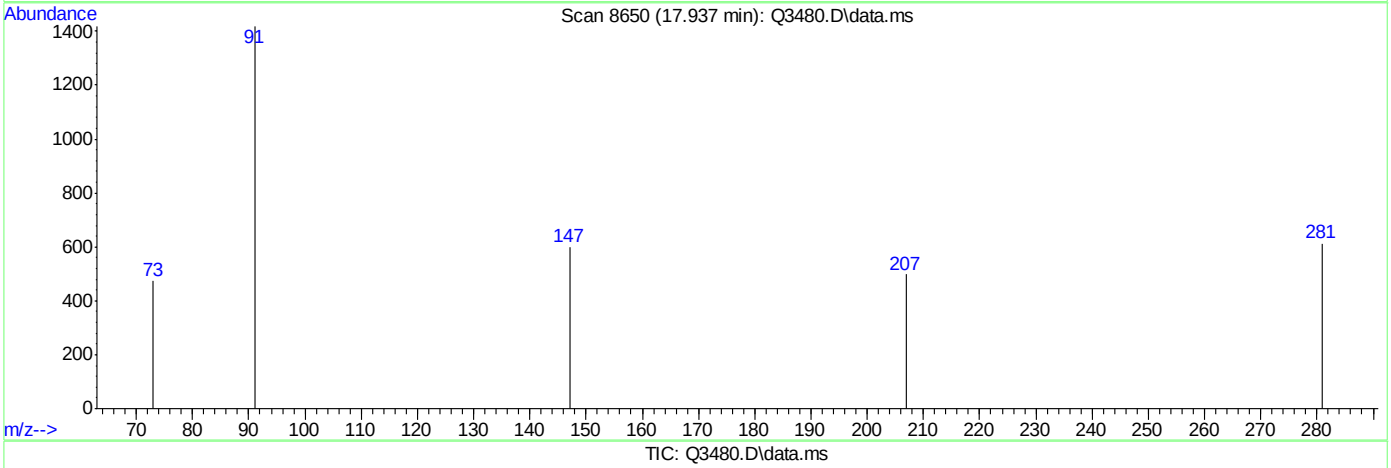
Ion	Exp%	Act%
146.00	100	100
148.00	62.90	49.78
111.00	41.00	62.34#
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\
Data File : Q3480.D
Acq On : 21 May 2007 9:43 pm
Operator : PhilipB
Sample : IC189-.2 (M044)
Misc : MS13602,MSQ189,,,,,1
ALS Vial : 4 Sample Multiplier: 1

Quant Time: May 22 09:25:45 2007
Quant Method : C:\msdchem\1\METHODS\Q051507T.m
Quant Title : TO15 by GCMS w/DB-1 60 m X .25 mm ID 1.0 um
QLast Update : Tue May 22 09:25:38 2007
Response via : Initial Calibration





TIC: Q3480.D\data.ms

(69) BENZYL CHLORIDE (m)

17.937min (+0.003) 0.04PPBV

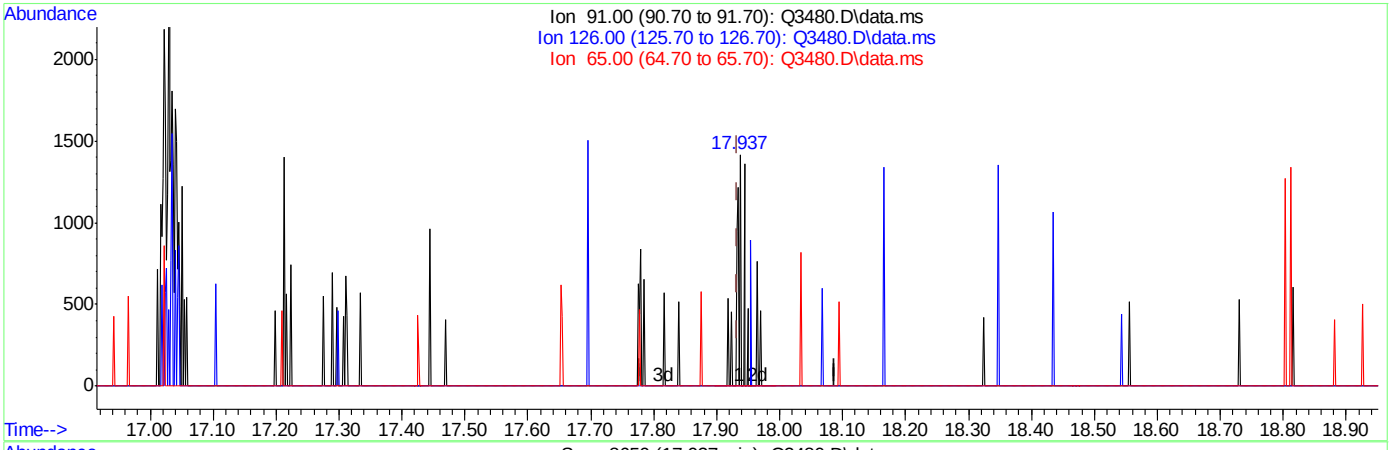
response 684

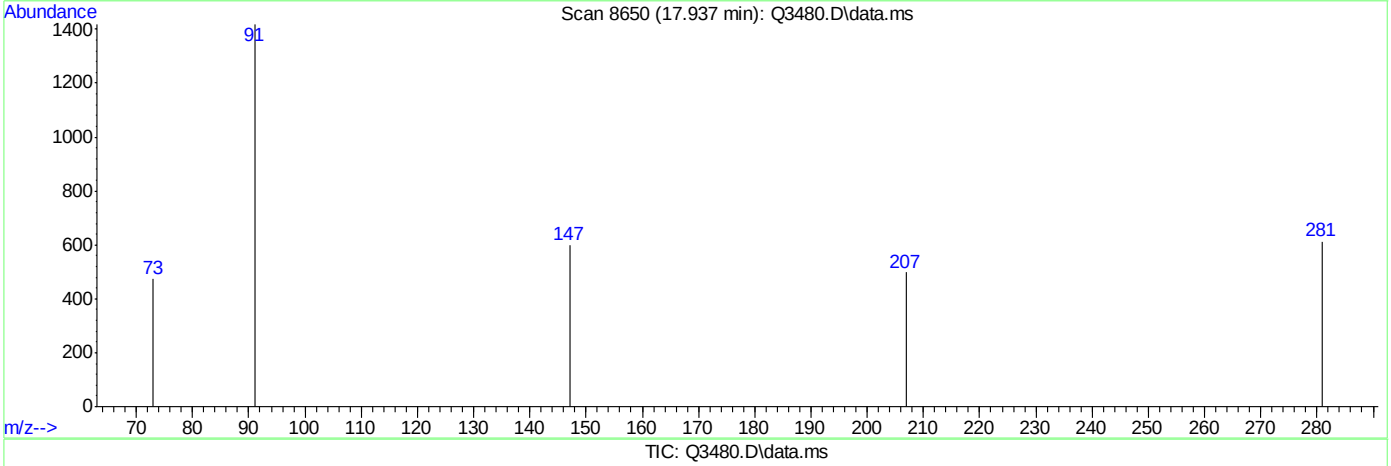
Ion	Exp%	Act%
91.00	100	100
126.00	20.90	0.00#
65.00	12.30	0.00
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\
Data File : Q3480.D
Acq On : 21 May 2007 9:43 pm
Operator : PhilipB
Sample : IC189-.2 (M044)
Misc : MS13602,MSQ189,,,,,1
ALS Vial : 4 Sample Multiplier: 1

Quant Time: May 22 09:25:45 2007
Quant Method : C:\msdchem\1\METHODS\Q051507T.m
Quant Title : TO15 by GCMS w/DB-1 60 m X .25 mm ID 1.0 um
QLast Update : Tue May 22 09:25:38 2007
Response via : Initial Calibration





TIC: Q3480.D\data.ms

(69) BENZYL CHLORIDE (m)

17.937min (+0.003) 0.05PPBV m

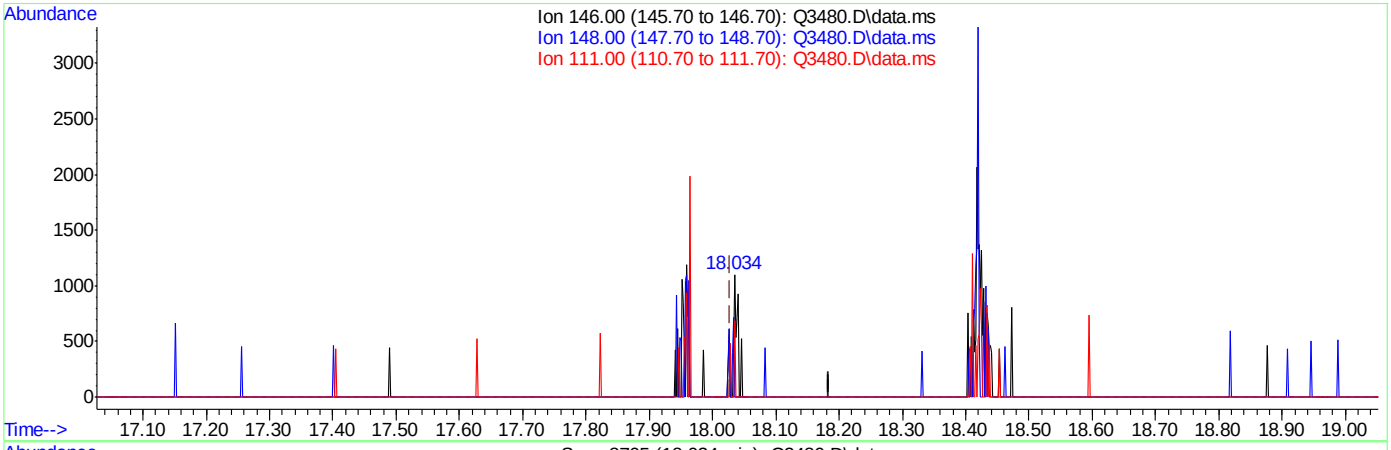
response 813

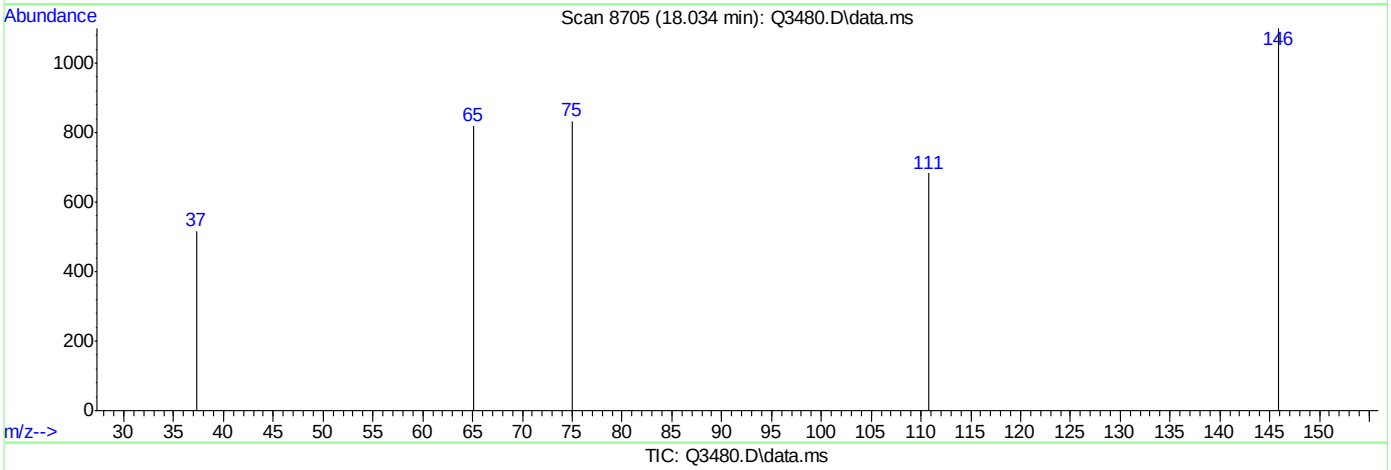
Ion	Exp%	Act%
91.00	100	100
126.00	20.90	0.00#
65.00	12.30	0.00
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\
Data File : Q3480.D
Acq On : 21 May 2007 9:43 pm
Operator : PhilipB
Sample : IC189-.2 (M044)
Misc : MS13602,MSQ189,,,,,1
ALS Vial : 4 Sample Multiplier: 1

Quant Time: May 22 09:25:45 2007
Quant Method : C:\msdchem\1\METHODS\Q051507T.m
Quant Title : TO15 by GCMS w/DB-1 60 m X .25 mm ID 1.0 um
QLast Update : Tue May 22 09:25:38 2007
Response via : Initial Calibration





TIC: Q3480.D\data.ms

(70) p-DICHLOROBENZENE (m)

18.034min (+0.005) 0.03PPBV

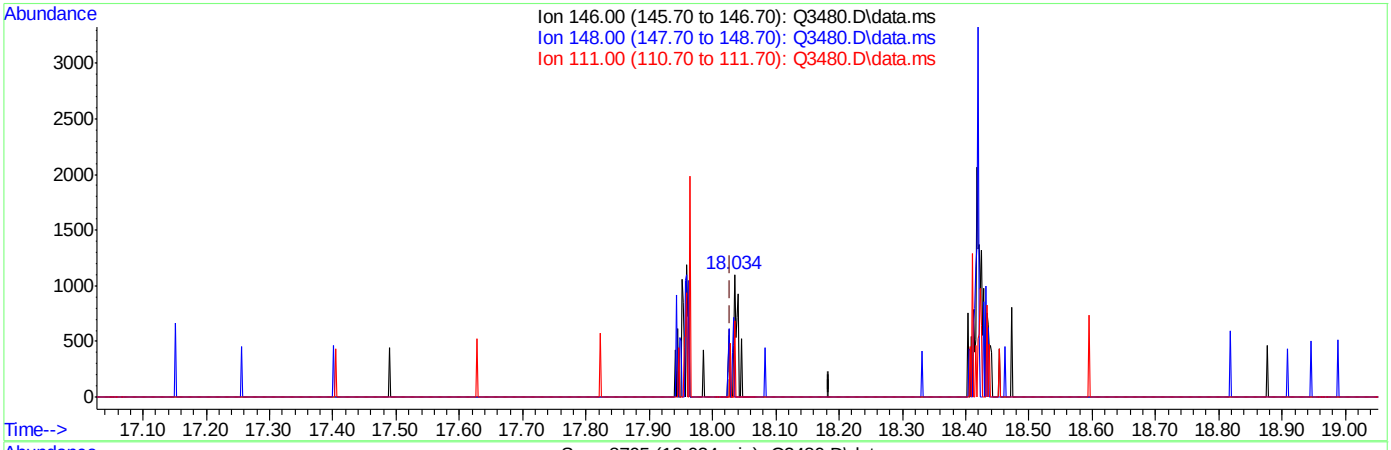
response 455

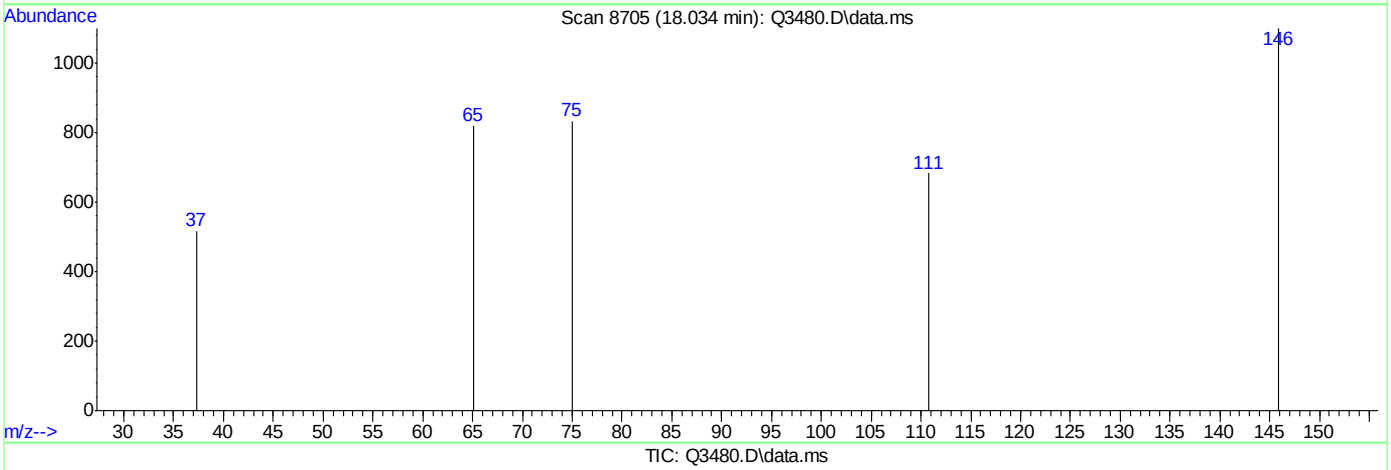
Ion	Exp%	Act%
146.00	100	100
148.00	64.20	40.44#
111.00	38.90	11.43#
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\
Data File : Q3480.D
Acq On : 21 May 2007 9:43 pm
Operator : PhilipB
Sample : IC189-.2 (M044)
Misc : MS13602,MSQ189,,,,,1
ALS Vial : 4 Sample Multiplier: 1

Quant Time: May 22 09:25:45 2007
Quant Method : C:\msdchem\1\METHODS\Q051507T.m
Quant Title : TO15 by GCMS w/DB-1 60 m X .25 mm ID 1.0 um
QLast Update : Tue May 22 09:25:38 2007
Response via : Initial Calibration





TIC: Q3480.D\data.ms

(70) p-DICHLOROBENZENE (m)

18.034min (+0.005) 0.03PPBV m

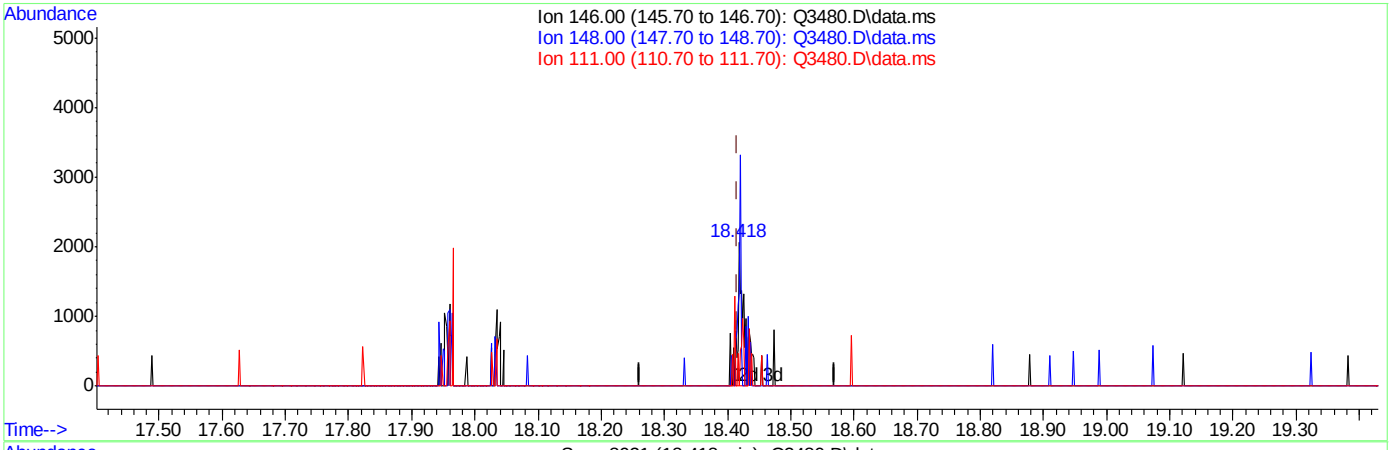
response 514

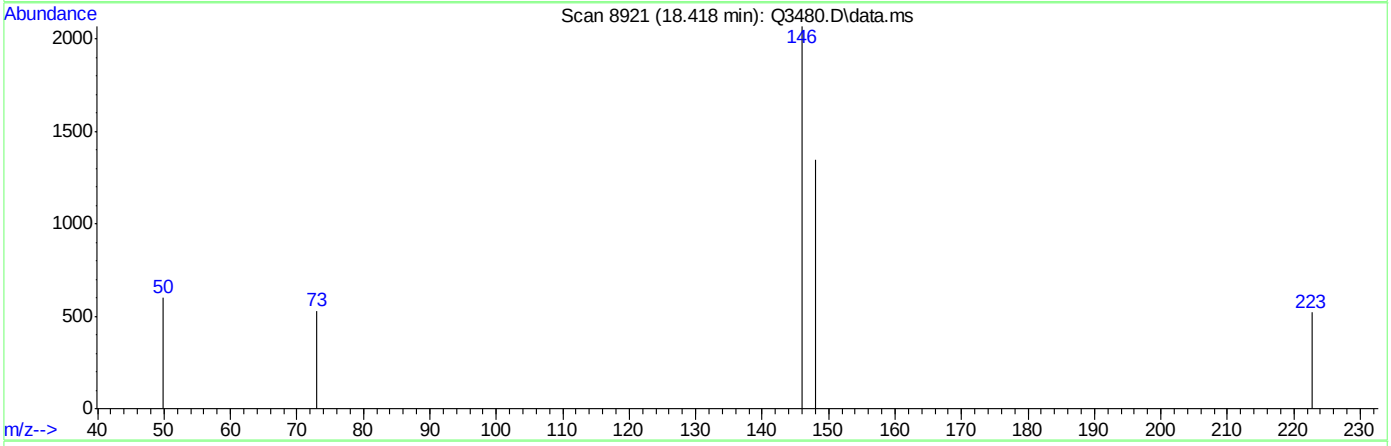
Ion	Exp%	Act%
146.00	100	100
148.00	64.20	35.80#
111.00	38.90	10.12#
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\
Data File : Q3480.D
Acq On : 21 May 2007 9:43 pm
Operator : PhilipB
Sample : IC189-.2 (M044)
Misc : MS13602,MSQ189,,,,,1
ALS Vial : 4 Sample Multiplier: 1

Quant Time: May 22 09:25:45 2007
Quant Method : C:\msdchem\1\METHODS\Q051507T.m
Quant Title : TO15 by GCMS w/DB-1 60 m X .25 mm ID 1.0 um
QLast Update : Tue May 22 09:25:38 2007
Response via : Initial Calibration





TIC: Q3480.D\data.ms

(71) o-DICHLOROBENZENE (m)

18.418min (+0.002) 0.08PPBV

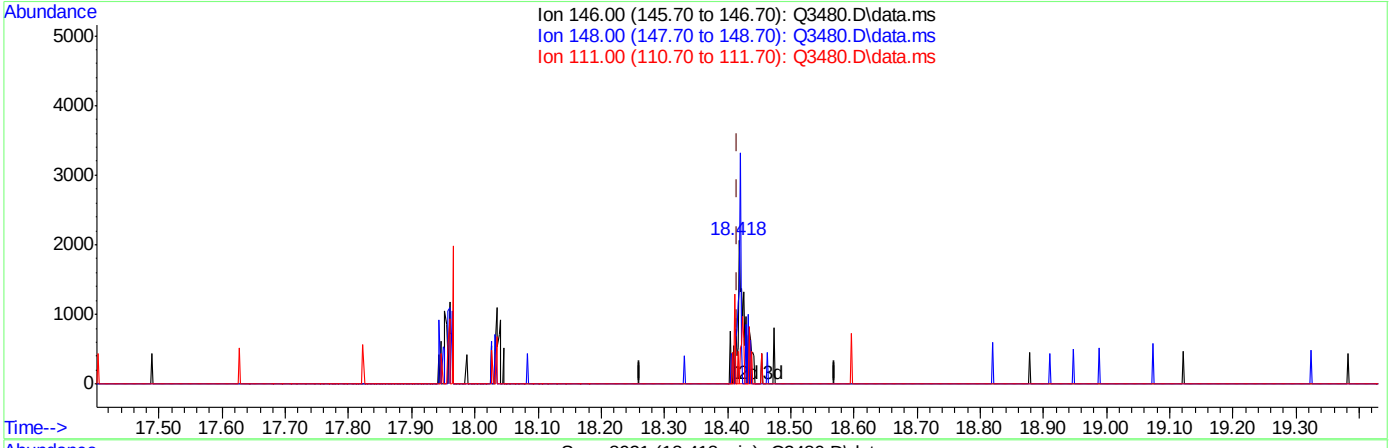
response 1235

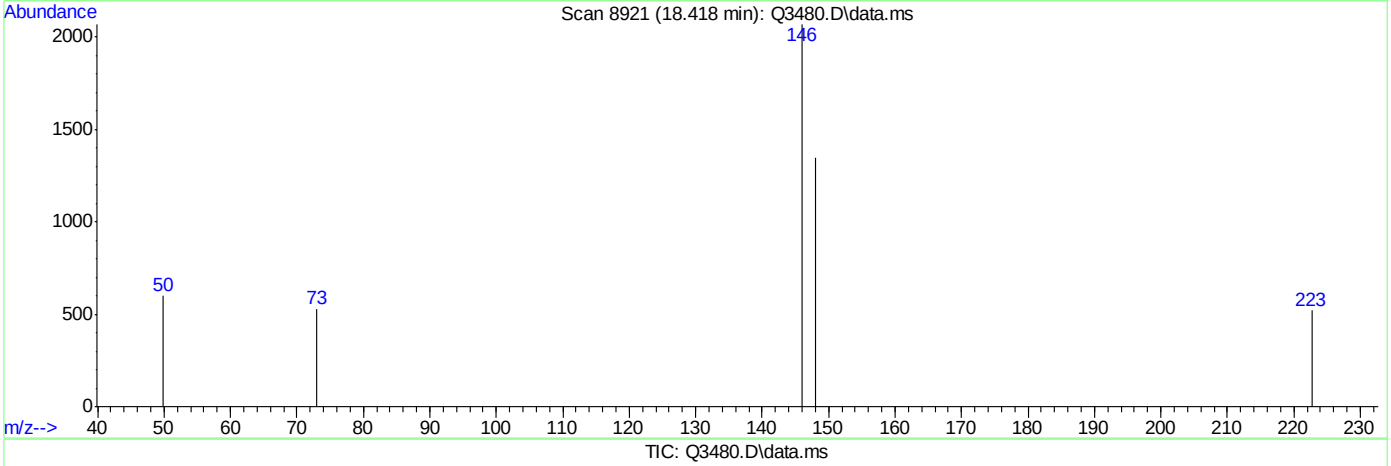
Ion	Exp%	Act%
146.00	100	100
148.00	64.40	75.22
111.00	40.90	38.46
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\
Data File : Q3480.D
Acq On : 21 May 2007 9:43 pm
Operator : PhilipB
Sample : IC189-.2 (M044)
Misc : MS13602,MSQ189,,,,,1
ALS Vial : 4 Sample Multiplier: 1

Quant Time: May 22 09:25:45 2007
Quant Method : C:\msdchem\1\METHODS\Q051507T.m
Quant Title : TO15 by GCMS w/DB-1 60 m X .25 mm ID 1.0 um
QLast Update : Tue May 22 09:25:38 2007
Response via : Initial Calibration





TIC: Q3480.D\data.ms

(71) o-DICHLOROBENZENE (m)

18.418min (+0.002) 0.10PPBV m

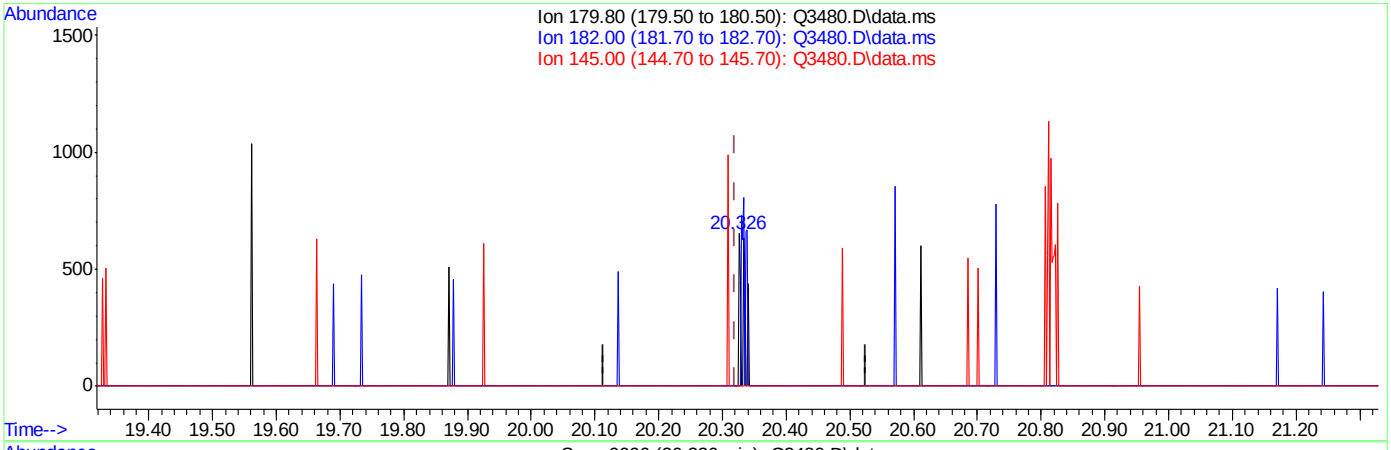
response 1598

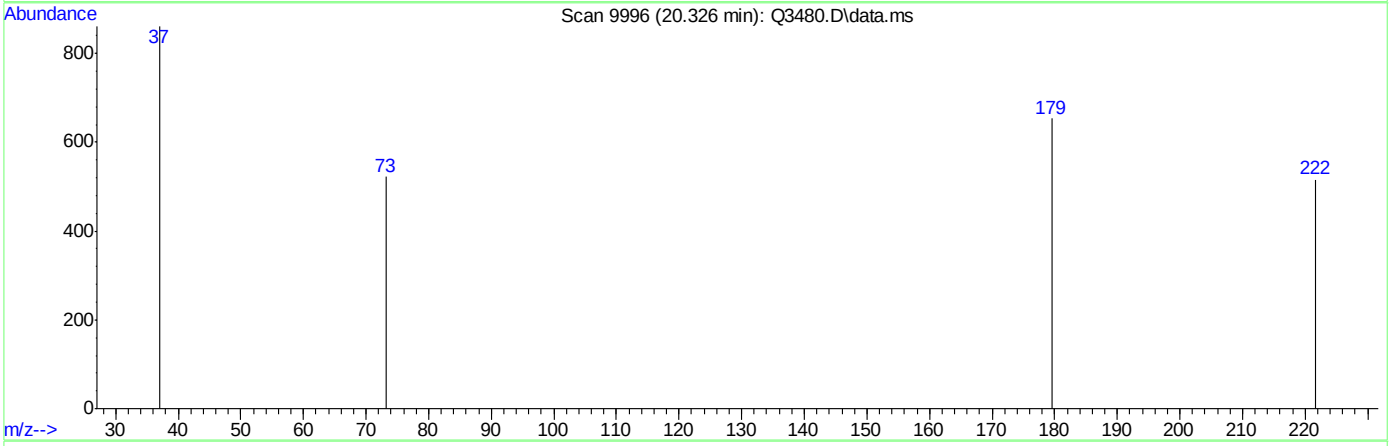
Ion	Exp%	Act%
146.00	100	100
148.00	64.40	58.14
111.00	40.90	29.72
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\
Data File : Q3480.D
Acq On : 21 May 2007 9:43 pm
Operator : PhilipB
Sample : IC189-.2 (M044)
Misc : MS13602,MSQ189,,,,,1
ALS Vial : 4 Sample Multiplier: 1

Quant Time: May 22 09:25:45 2007
Quant Method : C:\msdchem\1\METHODS\Q051507T.m
Quant Title : TO15 by GCMS w/DB-1 60 m X .25 mm ID 1.0 um
QLast Update : Tue May 22 09:25:38 2007
Response via : Initial Calibration





TIC: Q3480.D\data.ms

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

20.326min (+0.006) 0.04PPBV

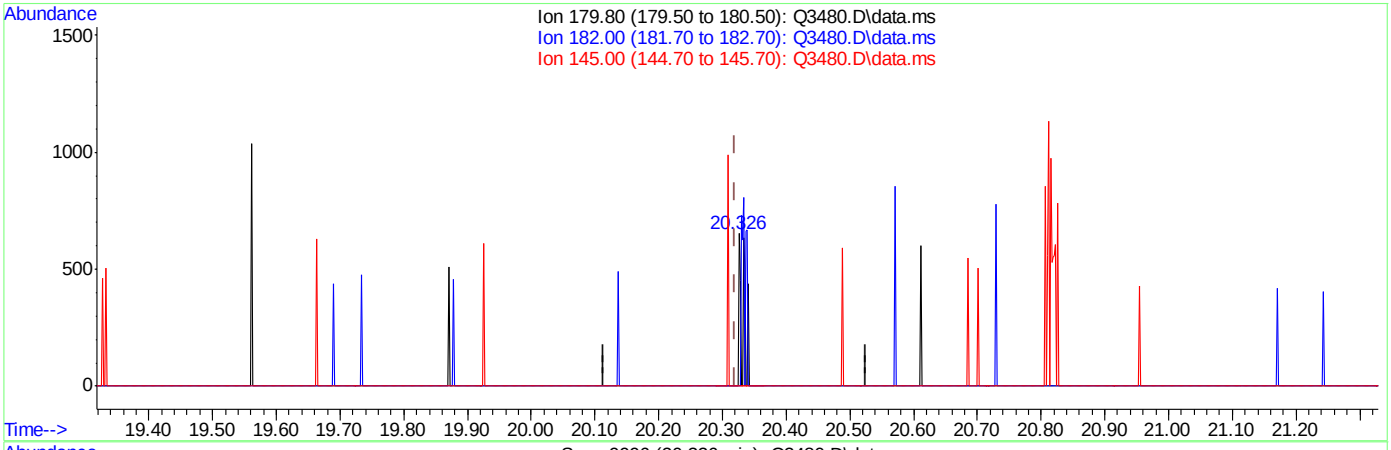
response 118

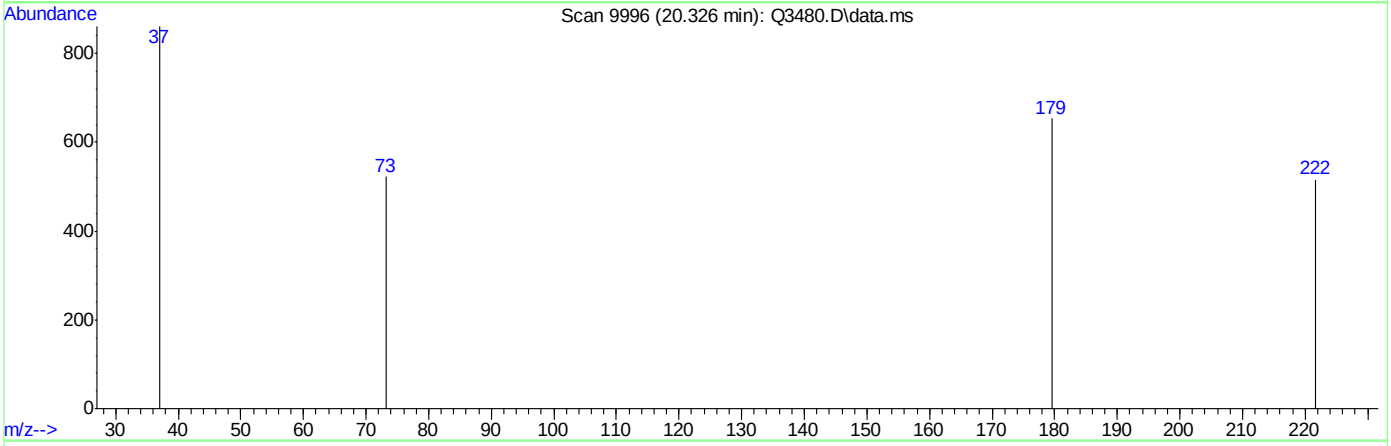
Ion	Exp%	Act%
179.80	100	100
182.00	91.20	315.25#
145.00	35.30	0.00#
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\
Data File : Q3480.D
Acq On : 21 May 2007 9:43 pm
Operator : PhilipB
Sample : IC189-.2 (M044)
Misc : MS13602,MSQ189,,,,,1
ALS Vial : 4 Sample Multiplier: 1

Quant Time: May 22 09:25:45 2007
Quant Method : C:\msdchem\1\METHODS\Q051507T.m
Quant Title : TO15 by GCMS w/DB-1 60 m X .25 mm ID 1.0 um
QLast Update : Tue May 22 09:25:38 2007
Response via : Initial Calibration





TIC: Q3480.D\data.ms

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

20.326min (+0.006) 0.10PPBV m

response 285

Ion	Exp%	Act%
179.80	100	100
182.00	91.20	130.53#
145.00	35.30	0.00#
0.00	0.00	0.00

Manual Integrations APPROVED (compounds with "m" flag)
Doug Yargeau
05/23/07 16:02

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\
Data File : Q3482.D
Acq On : 22 May 2007 9:55 am
Operator : PhilipB
Sample : ICV189-10 (M068)
Misc : MS13602,MSQ189,,,,,1
ALS Vial : 1 Sample Multiplier: 1

Quant Time: May 22 15:16:57 2007
Quant Method : C:\msdchem\1\METHODS\Q052107T.m
Quant Title : TO15 by GCMS w/DB-1 60 m X .25 mm ID 1.0 um
QLast Update : Tue May 22 09:36:34 2007
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) BROMOCHLOROMETHANE	8.419	128	77343	10.00	PPBV	0.00
35) 1,4-DIFLUOROBENZENE	10.344	114	368037	10.00	PPBV	0.00
49) CHLOROBENZENE-D5	14.696	117	305650	10.00	PPBV	0.00
System Monitoring Compounds						
61) 4-BROMOFLUOROBENZENE	16.334	95	124899	5.32	PPBV	0.00
Spiked Amount 5.000	Range 57 - 139		Recovery = 106.40%			
Target Compounds						Qvalue
2) DICHLORODIFLUOROMETHANE	3.588	85	490433	7.47	PPBV	80
3) PROPYLENE	3.519	41	73375	7.18	PPBV	93
4) FREON 114	3.852	85	508195	8.58	PPBV #	100
5) CHLOROMETHANE	3.755	50	104810	7.23	PPBV	90
6) VINYL CHLORIDE	3.980	62	117793	8.13	PPBV	73
7) 1,3-BUTADIENE	4.117	39	130539	8.13	PPBV #	100
8) BROMOMETHANE	4.395	94	156552	8.77	PPBV #	100
9) CHLOROETHANE	4.571	64	59364	7.94	PPBV #	100
10) TRICHLOROFLUOROMETHANE	5.386	101	991703	10.19	PPBV #	100
11) ISOPROPYL ALCOHOL	5.435	45	306199	10.97	PPBV	90
12) ACETONE	5.182	43	343544	10.47	PPBV	81
13) PENTANE	5.764	42	182514	11.18	PPBV #	100
14) 1,1-DICHLOROETHYLENE	6.062	96	230080	11.23	PPBV #	21
15) CARBON DISULFIDE	6.518	76	539720	10.26	PPBV #	47
16) ETHANOL	4.662	45	42301	9.82	PPBV #	100
17) BROMOETHENE	4.937	106	171424	9.11	PPBV #	100
18) METHYLENE CHLORIDE	6.186	84	187872	9.89	PPBV #	1
19) 3-CHLOROPROPENE	6.316	39	273987	9.93	PPBV #	1
20) FREON 113	6.467	151	643635	9.87	PPBV #	100
21) TRANS-1,2-DICHLOROETHY...	7.178	96	204360	9.98	PPBV #	100
22) TERTIARY BUTYL ALCOHOL	6.081	59	414982	10.75	PPBV #	100
23) METHYL TERTIARY BUTYL ...	7.443	73	501447	10.99	PPBV #	100
24) TETRAHYDROFURAN	8.949	42	120380	10.22	PPBV #	100
25) HEXANE	8.458	57	139575	9.26	PPBV #	100
26) VINYL ACETATE	7.528	43	515419	10.76	PPBV	87
27) 1,1-DICHLOROETHANE	7.388	63	389247	10.50	PPBV #	100
28) METHYL ETHYL KETONE	7.791	43	254556	9.65	PPBV	96
29) cis-1,2-DICHLOROETHYLENE	8.247	96	110357	9.96	PPBV #	100
30) ETHYL ACETATE	8.461	43	427554	9.71	PPBV	100
31) CHLOROFORM	8.550	83	345196	9.59	PPBV #	100
32) 1,1,1-TRICHLOROETHANE	9.549	97	379604	8.99	PPBV	95
33) CARBON TETRACHLORIDE	10.156	117	453071	9.34	PPBV	97
34) 1,2-DICHLOROETHANE	9.297	62	237056	9.66	PPBV	96
36) BENZENE	10.007	78	301424	9.12	PPBV	99
37) CYCLOHEXANE	10.284	84	109019	9.28	PPBV #	84
38) TRICHLOROETHYLENE	11.049	95	194693	9.77	PPBV #	85
39) 1,2-DICHLOROPROPANE	10.813	63	114519	10.42	PPBV #	76
40) BROMODICHLOROMETHANE	11.010	83	354257	9.40	PPBV	98
41) 2,2,4-TRIMETHYLPENTANE	11.070	57	509544	9.80	PPBV	94
42) 1,4-DIOXANE	11.040	88	60628	10.79	PPBV #	73
43) HEPTANE	11.321	43	191939	9.57	PPBV	89

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\
Data File : Q3482.D
Acq On : 22 May 2007 9:55 am
Operator : PhilipB
Sample : ICV189-10 (M068)
Misc : MS13602,MSQ189,,,,,1
ALS Vial : 1 Sample Multiplier: 1

Quant Time: May 22 15:16:57 2007
Quant Method : C:\msdchem\1\METHODS\Q052107T.m
Quant Title : TO15 by GCMS w/DB-1 60 m X .25 mm ID 1.0 um
QLast Update : Tue May 22 09:36:34 2007
Response via : Initial Calibration

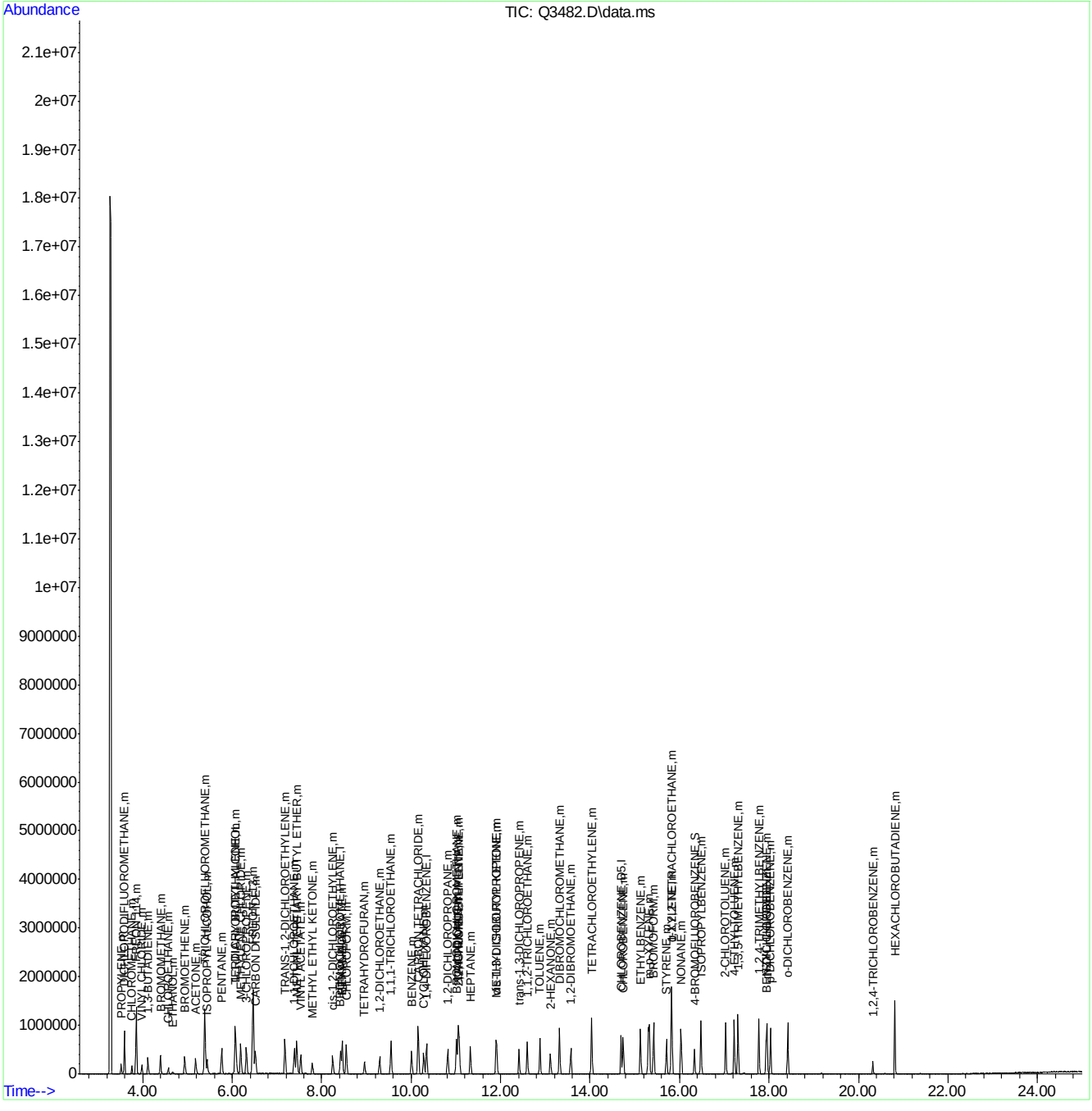
Internal Standards	R.T.	QIon	Response	Conc	Units		Dev(Min)
44) METHYL ISOBUTYL KETONE	11.913	43	318707	10.43	PPBV		92
45) cis-1,3-DICHLOROPROPENE	11.892	75	178833	9.57	PPBV	#	82
46) TOLUENE	12.879	92	225708	11.61	PPBV		100
47) trans-1,3-DICHLOROPROPENE	12.412	75	186114	10.21	PPBV	#	100
48) 1,1,2-TRICHLOROETHANE	12.595	83	133386	9.91	PPBV		93
50) 2-HEXANONE	13.110	43	271714	9.95	PPBV		92
51) TETRACHLOROETHYLENE	14.032	164	159373	9.62	PPBV		97
52) DIBROMOCHLOROMETHANE	13.315	129	365939	10.01	PPBV		99
53) 1,2-DIBROMOETHANE	13.571	107	250932	9.19	PPBV		95
54) CHLOROBENZENE	14.742	112	301271	9.19	PPBV		96
55) ETHYLBENZENE	15.126	91	548224	10.46	PPBV		95
56) m,p-XYLENE	15.323	106	401669m	19.08	PPBV		
57) o-XYLENE	15.825	106	204513	9.41	PPBV	#	88
58) STYRENE	15.708	104	255558	9.90	PPBV		99
59) NONANE	16.033	43	337756	10.48	PPBV		90
60) BROMOFORM	15.422	173	381534	10.81	PPBV		99
62) 1,1,2,2-TETRACHLOROETHANE	15.820	83	369399	10.01	PPBV		98
63) ISOPROPYLBENZENE	16.476	105	588177	10.41	PPBV		95
64) 2-CHLOROTOLUENE	17.030	91	447351	10.35	PPBV		91
65) 4-ETHYLTOLUENE	17.223	105	547371	9.29	PPBV		96
66) 1,3,5-TRIMETHYLBENZENE	17.307	105	515668	9.11	PPBV		93
67) 1,2,4-TRIMETHYLBENZENE	17.772	105	476970	9.18	PPBV		93
68) m-DICHLOROBENZENE	17.956	146	281669	8.90	PPBV		95
69) BENZYL CHLORIDE	17.933	91	319262	8.16	PPBV		94
70) p-DICHLOROBENZENE	18.029	146	269975	9.49	PPBV		97
71) o-DICHLOROBENZENE	18.418	146	254092	8.50	PPBV		96
72) HEXACHLOROBUTADIENE	20.812	225	145900	8.88	PPBV		99
73) 1,2,4-TRICHLOROBENZENE	20.322	180	40400	8.74	PPBV		94

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

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\
Data File : Q3482.D
Acq On : 22 May 2007 9:55 am
Operator : PhilipB
Sample : ICV189-10 (M068)
Misc : MS13602,MSQ189,,,,,1
ALS Vial : 1 Sample Multiplier: 1

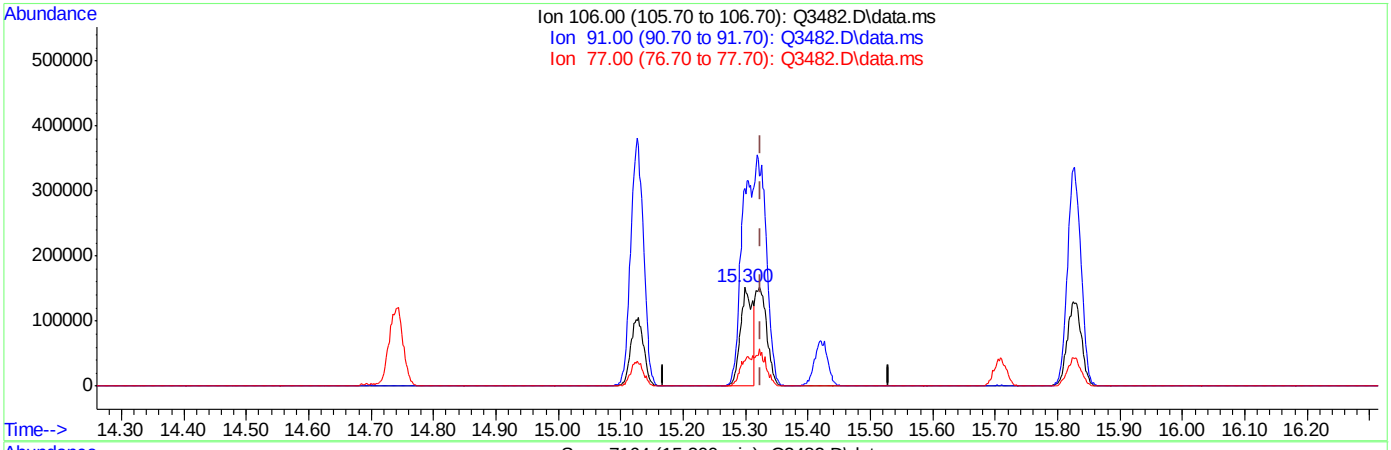
Quant Time: May 22 15:16:57 2007
Quant Method : C:\msdchem\1\METHODS\Q052107T.m
Quant Title : TO15 by GCMS w/DB-1 60 m X .25 mm ID 1.0 um
QLast Update : Tue May 22 09:36:34 2007
Response via : Initial Calibration

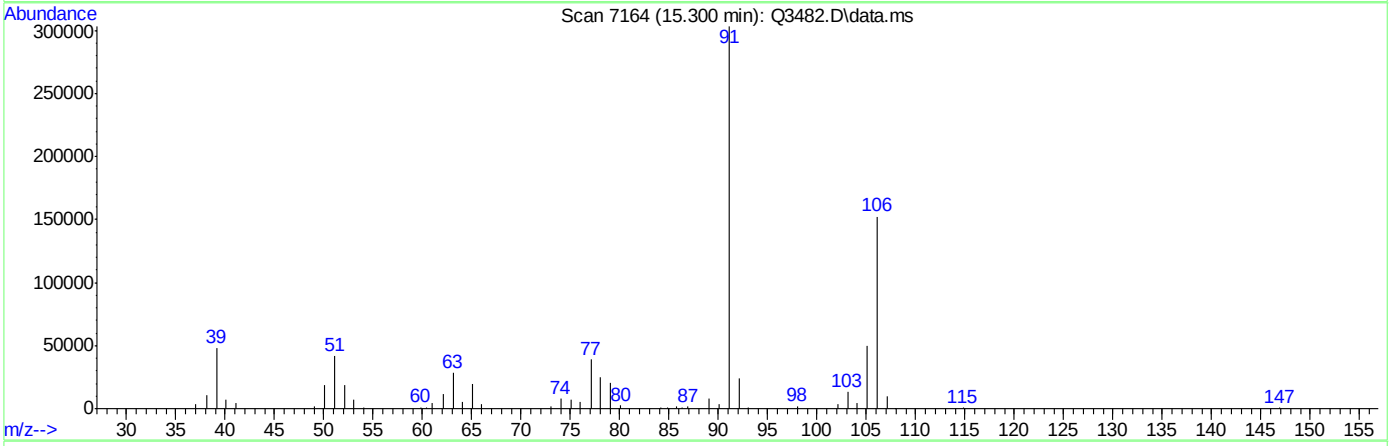


Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\
Data File : Q3482.D
Acq On : 22 May 2007 9:55 am
Operator : PhilipB
Sample : ICV189-10 (M068)
Misc : MS13602,MSQ189,,,,,1
ALS Vial : 1 Sample Multiplier: 1

Quant Time: May 22 11:06:35 2007
Quant Method : C:\msdchem\1\METHODS\Q052107T.m
Quant Title : TO15 by GCMS w/DB-1 60 m X .25 mm ID 1.0 um
QLast Update : Tue May 22 09:36:34 2007
Response via : Initial Calibration





TIC: Q3482.D\data.ms

(56) m,p-XYLENE (m)

15.300min (-0.024) 9.88PPBV

response 208012

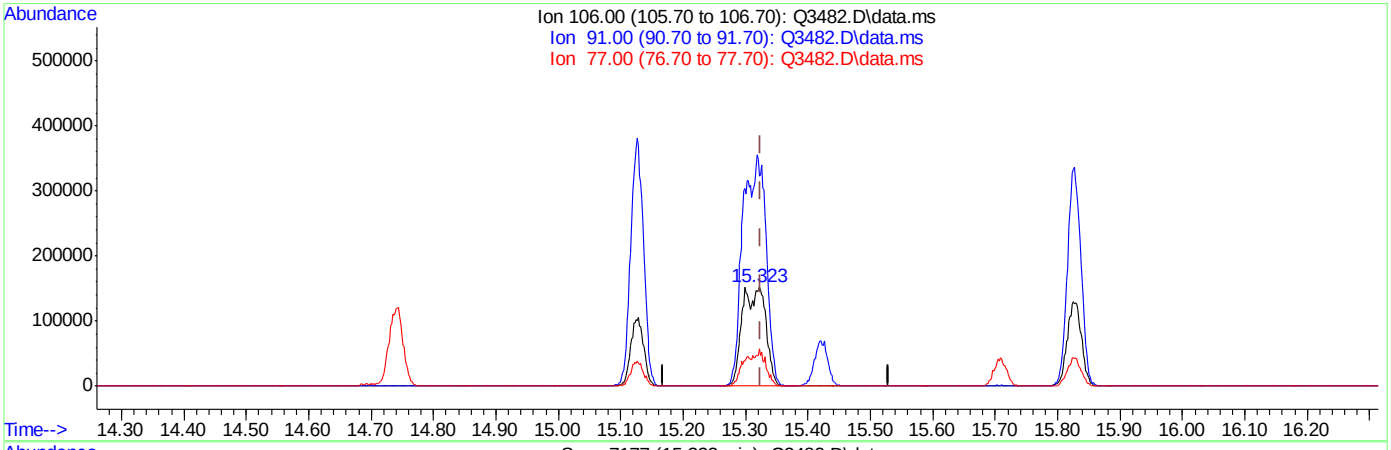
Ion	Exp%	Act%
106.00	100	100
91.00	204.20	199.16
77.00	30.60	25.65
0.00	0.00	0.00

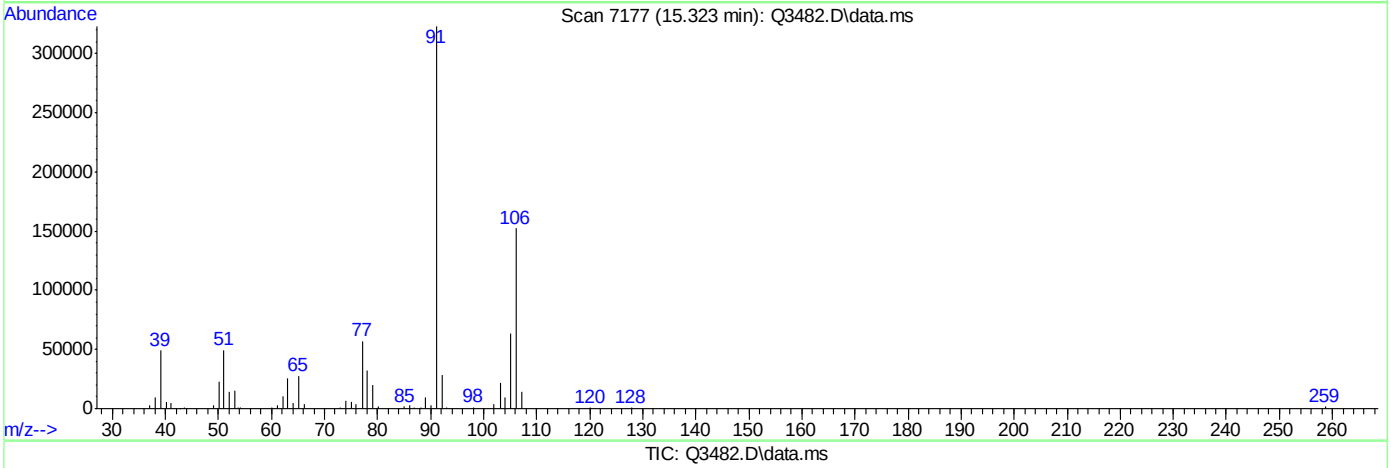
ACCUTEST Laboratories M65137

Quantitation Report (Qedit)

```
Data Path : C:\msdchem\1\DATA\
Data File : Q3482.D
Acq On    : 22 May 2007   9:55 am
Operator  : PhilipB
Sample    : ICV189-10 (M068)
Misc      : MS13602,MSQ189,,,,,1
ALS Vial  : 1   Sample Multiplier: 1

Quant Time: May 22 11:06:35 2007
Quant Method : C:\msdchem\1\METHODS\Q052107T.m
Quant Title  : TO15  by GCMS w/DB-1 60 m X .25 mm ID 1.0 um
QLast Update : Tue May 22 09:36:34 2007
Response via : Initial Calibration
```



TIC: Q3482.D\data.ms

(56) m,p-XYLENE (m)

15.323min (-0.001) 19.08PPBV m

response 401669

Ion	Exp%	Act%
106.00	100	100
91.00	204.20	211.93
77.00	30.60	37.30#
0.00	0.00	0.00

ACCUTEST Laboratories M65137

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\
Data File : Q3622.D
Acq On : 5 Jun 2007 3:03 pm
Operator : PhilipB
Sample : IC197-4 (M142)
Misc : MS13684, MSQ197,,,,,1
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Jun 05 15:42:47 2007
Quant Method : C:\msdchem\1\METHODS\Q053007T.m
Quant Title : TO15 by GCMS w/DB-1 60 m X .25 mm ID 1.0 um
QLast Update : Tue Jun 05 15:42:16 2007
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) BROMOCHLOROMETHANE	8.427	128	31813	10.00	PPBV	0.00
35) 1,4-DIFLUOROBENZENE	10.349	114	119804	10.00	PPBV	0.00
49) CHLOROBENZENE-D5	14.710	117	107161	10.00	PPBV	0.01

System Monitoring Compounds

61) 4-BROMOFLUOROBENZENE	16.346	95	47274	3.77	PPBV	0.01

Spiked Amount 5.000 Range 57 - 139 Recovery = 75.40%

Target Compounds	Qvalue

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

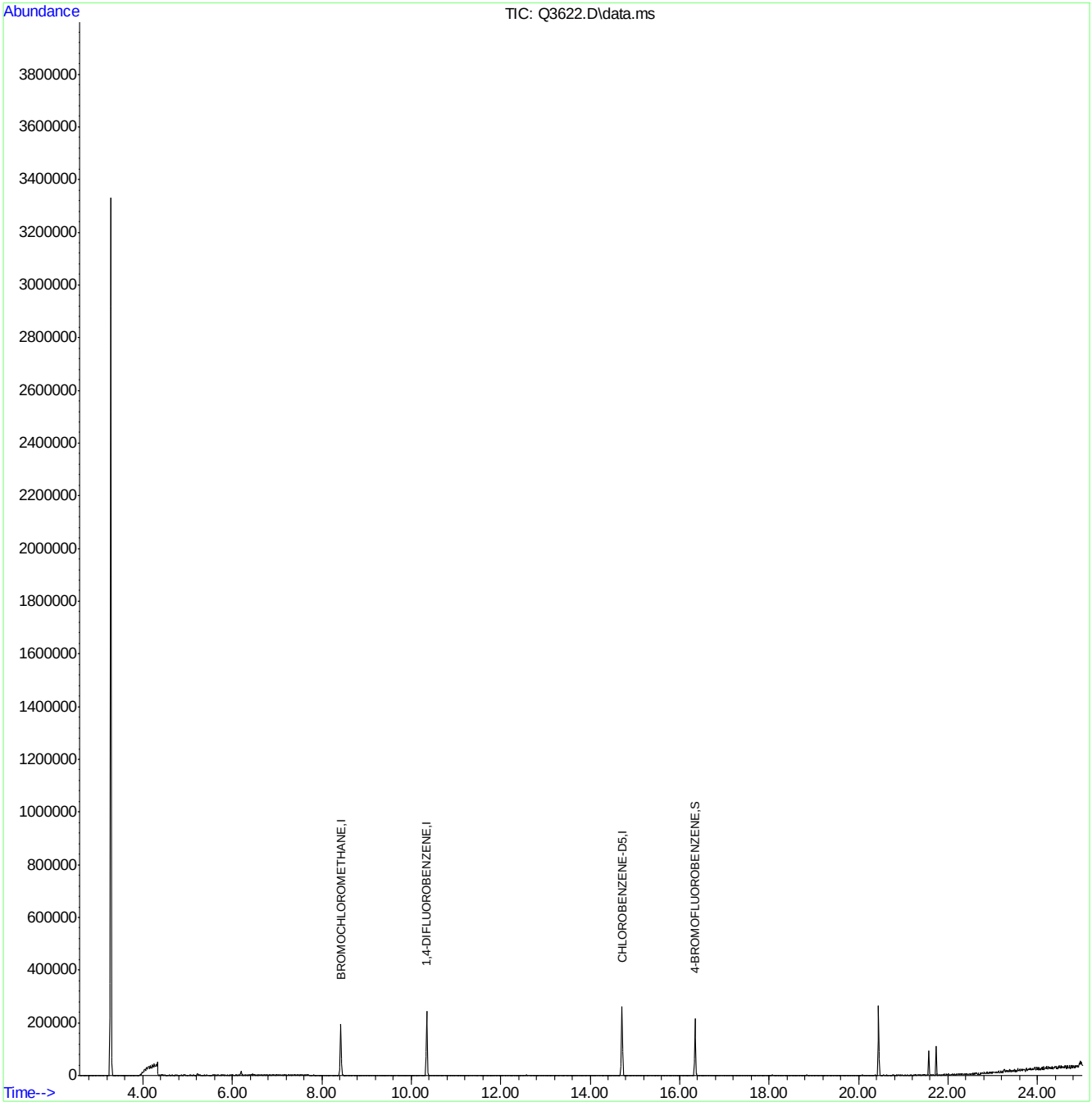
6.7.9

6

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\
Data File : Q3622.D
Acq On : 5 Jun 2007 3:03 pm
Operator : PhilipB
Sample : IC197-4 (M142)
Misc : MS13684, MSQ197,,,,,1
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Jun 05 15:42:47 2007
Quant Method : C:\msdchem\1\METHODS\Q053007T.m
Quant Title : TO15 by GCMS w/DB-1 60 m X .25 mm ID 1.0 um
QLast Update : Tue Jun 05 15:42:16 2007
Response via : Initial Calibration

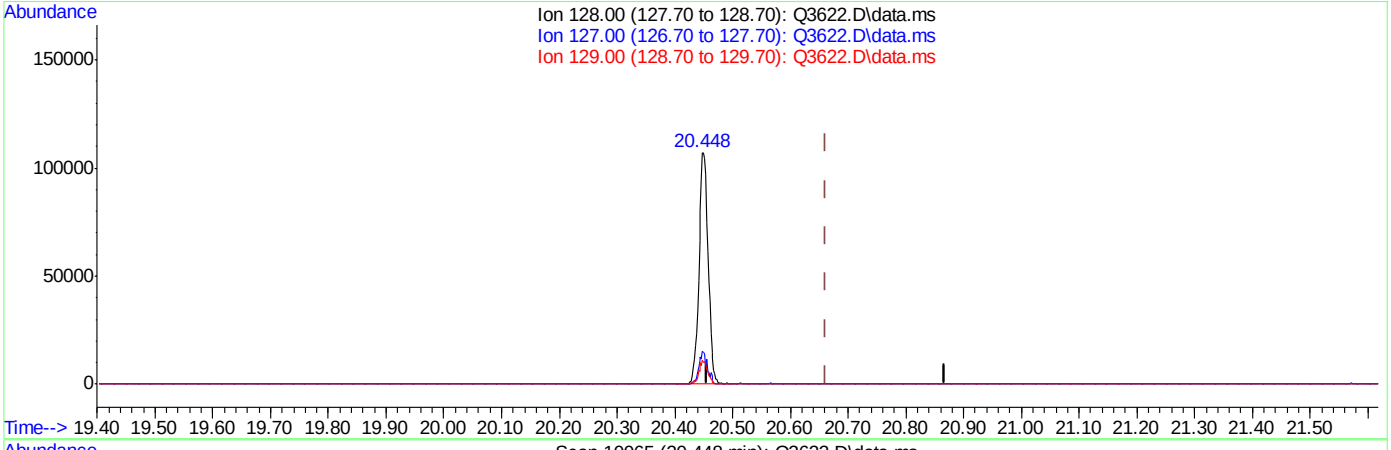


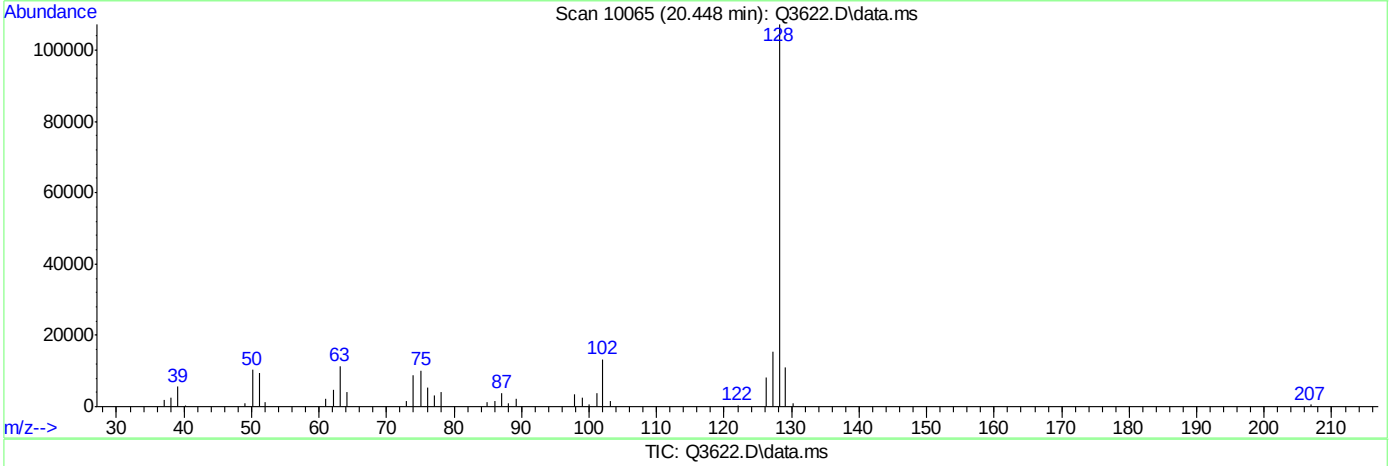
ACCUTEST Laboratories M65137

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\
Data File : Q3622.D
Acq On : 5 Jun 2007 3:03 pm
Operator : PhilipB
Sample : IC197-4 (M142)
Misc : MS13684, MSQ197,,,,,1
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Jun 05 15:42:47 2007
Quant Method : C:\msdchem\1\METHODS\Q053007T.m
Quant Title : TO15 by GCMS w/DB-1 60 m X .25 mm ID 1.0 um
QLast Update : Tue Jun 05 15:42:16 2007
Response via : Initial Calibration





(74) NAPHTHALENE (m)

20.448min (-0.214) 0.00PPBV m

response 116628

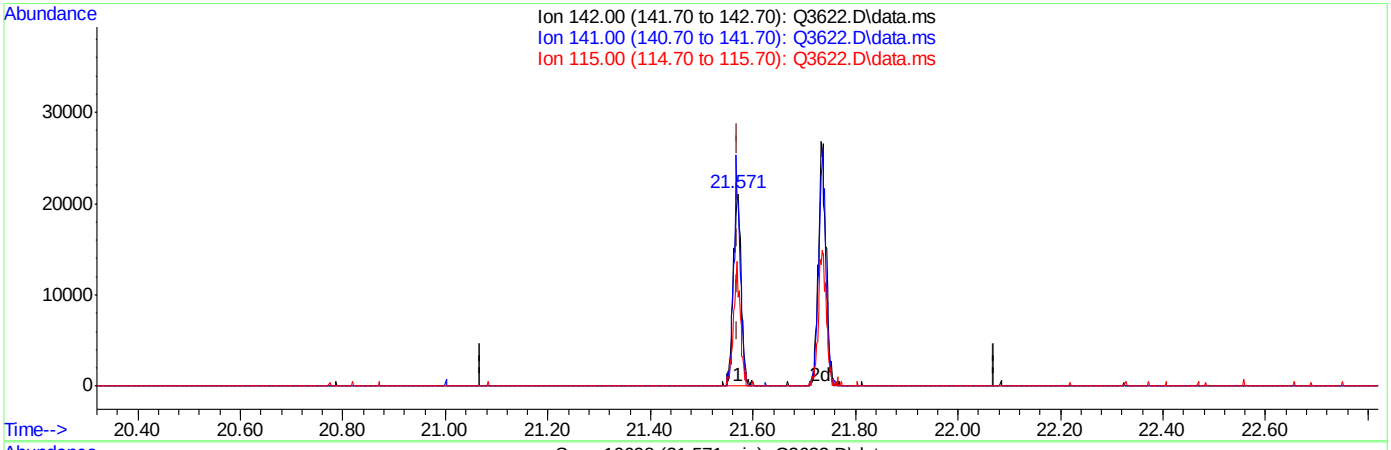
Ion	Exp%	Act%
128.00	100	100
127.00	13.60	0.00
129.00	10.70	0.00
0.00	0.00	0.00

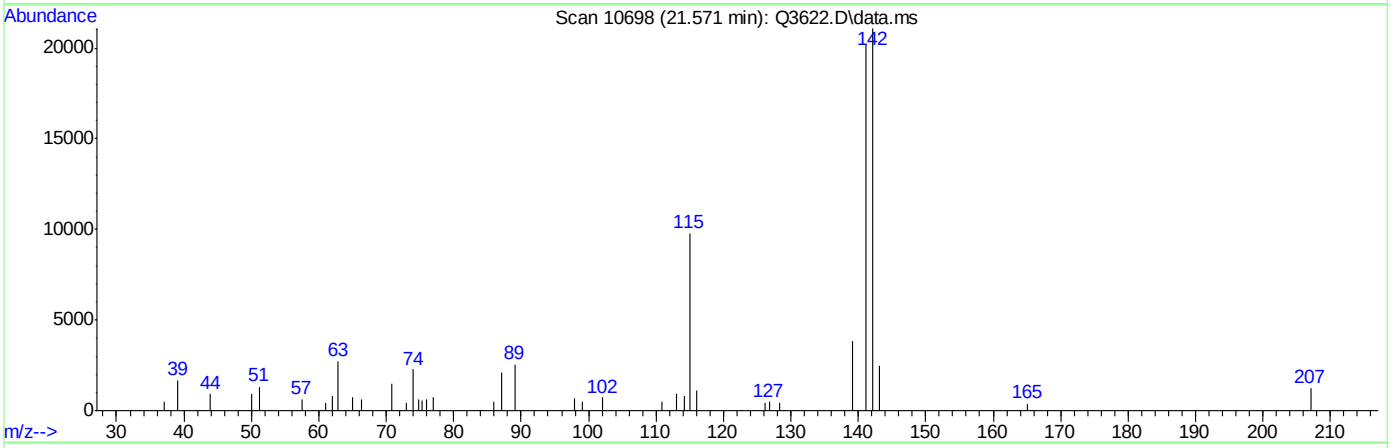
ACCUTEST Laboratories M65137

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\
Data File : Q3622.D
Acq On : 5 Jun 2007 3:03 pm
Operator : PhilipB
Sample : IC197-4 (M142)
Misc : MS13684, MSQ197,,,,,1
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Jun 05 15:42:47 2007
Quant Method : C:\msdchem\1\METHODS\Q053007T.m
Quant Title : TO15 by GCMS w/DB-1 60 m X .25 mm ID 1.0 um
QLast Update : Tue Jun 05 15:42:16 2007
Response via : Initial Calibration





TIC: Q3622.D\data.ms

(75) 2-METHYLNAPHTHALENE

21.571min (+0.001) 0.00PPBV

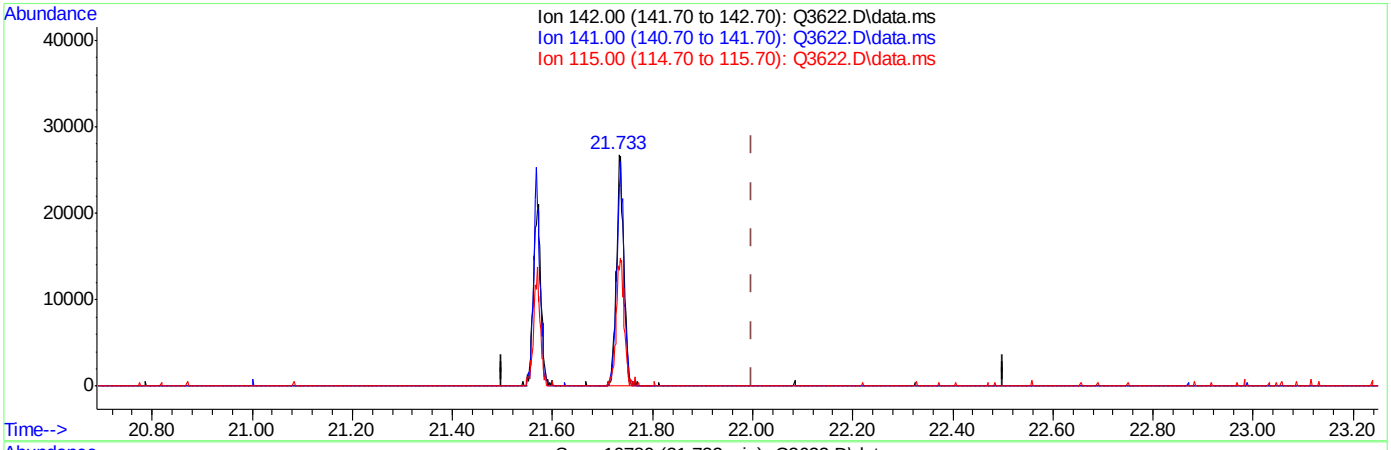
response 22217

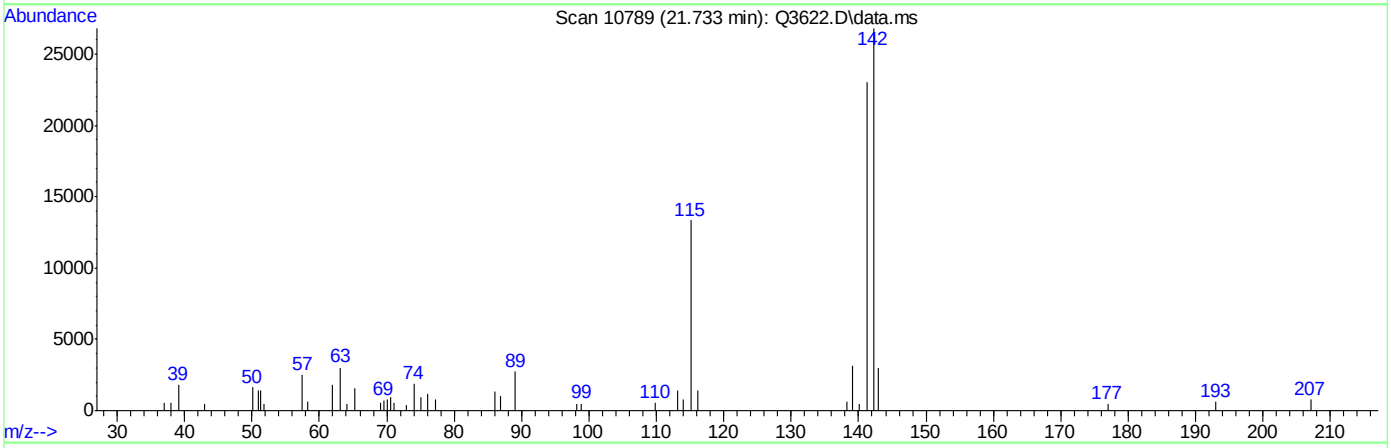
Ion	Exp%	Act%
142.00	100	100
141.00	0.00	97.00#
115.00	0.00	55.73#
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\
Data File : Q3622.D
Acq On : 5 Jun 2007 3:03 pm
Operator : PhilipB
Sample : IC197-4 (M142)
Misc : MS13684, MSQ197,,,,,1
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Jun 05 15:42:47 2007
Quant Method : C:\msdchem\1\METHODS\Q053007T.m
Quant Title : TO15 by GCMS w/DB-1 60 m X .25 mm ID 1.0 um
QLast Update : Tue Jun 05 15:42:16 2007
Response via : Initial Calibration





TIC: Q3622.D\data.ms

(76) 1-METHYLNAPHTHALENE

21.733min (-0.267) 0.00PPBV m

response 27693

Ion	Exp%	Act%
142.00	100	100
141.00	0.00	0.00
115.00	0.00	0.00
0.00	0.00	0.00

Manual Integrations APPROVED (compounds with "m" flag)
Doug Yargeau
06/08/07 12:42

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\
Data File : Q3623.D
Acq On : 5 Jun 2007 3:47 pm
Operator : PhilipB
Sample : IC197-40 (M109)
Misc : MS13684, MSQ197,,,,,1
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Jun 05 16:40:46 2007
Quant Method : C:\msdchem\1\METHODS\Q053007T.m
Quant Title : TO15 by GCMS w/DB-1 60 m X .25 mm ID 1.0 um
QLast Update : Tue Jun 05 15:46:38 2007
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) BROMOCHLOROMETHANE	8.436	128	37516	10.00	PPBV	0.00
35) 1,4-DIFLUOROBENZENE	10.353	114	170488	10.00	PPBV	0.00
49) CHLOROBENZENE-D5	14.701	117	177287	10.00	PPBV	0.00

System Monitoring Compounds

61) 4-BROMOFLUOROBENZENE	16.341	95	101271	5.03	PPBV	0.00

Spiked Amount 5.000 Range 57 - 139 Recovery = 100.60%

Target Compounds							Qvalue
2) DICHLORODIFLUOROMETHANE	3.611	85	1625125	49.59	PPBV		85
3) PROPYLENE	3.540	41	186617	28.71	PPBV		91
4) FREON 114	3.877	85	1439395	58.23	PPBV	#	100
5) CHLOROMETHANE	3.781	50	250455	31.03	PPBV		94
6) VINYL CHLORIDE	4.001	62	287713	41.55	PPBV		74
7) 1,3-BUTADIENE	4.140	39	358886	37.64	PPBV	#	100
8) BROMOMETHANE	4.420	94	364115	61.44	PPBV	#	100
9) CHLOROETHANE	4.596	64	135834	49.53	PPBV	#	100
10) TRICHLOROFLUOROMETHANE	5.410	101	2279864	70.88	PPBV	#	100
11) ISOPROPYL ALCOHOL	5.469	45	676422	39.86	PPBV		96
12) ACETONE	5.208	43	828081	39.14	PPBV		84
13) PENTANE	5.790	42	378305	43.89	PPBV	#	100
14) 1,1-DICHLOROETHYLENE	6.090	96	444220	79.36	PPBV	#	10
15) CARBON DISULFIDE	6.543	76	1203160	79.00	PPBV	#	54
16) ETHANOL	4.699	45	97122	32.30	PPBV	#	100
17) BROMOETHENE	4.965	106	408028	74.41	PPBV	#	100
18) METHYLENE CHLORIDE	6.213	84	352562	65.41	PPBV	#	1
19) 3-CHLOROPROPENE	6.339	39	581260	49.16	PPBV	#	1
20) FREON 113	6.489	151	1365727	134.02	PPBV	#	100
21) TRANS-1,2-DICHLOROETHY...	7.199	96	471071	86.09	PPBV	#	100
22) TERTIARY BUTYL ALCOHOL	6.113	59	927129	55.15	PPBV	#	100
23) METHYL TERTIARY BUTYL ...	7.460	73	1237217	59.78	PPBV	#	100
24) TETRAHYDROFURAN	8.969	42	323488	35.44	PPBV	#	100
25) HEXANE	8.475	57	359360	37.80	PPBV	#	100
26) VINYL ACETATE	7.551	43	1166831	49.95	PPBV		91
27) 1,1-DICHLOROETHANE	7.411	63	872942	56.14	PPBV	#	100
28) METHYL ETHYL KETONE	7.808	43	724668	33.99	PPBV		94
29) cis-1,2-DICHLOROETHYLENE	8.266	96	271451	59.38	PPBV	#	100
30) ETHYL ACETATE	8.481	43	1219552	37.12	PPBV		100
31) CHLOROFORM	8.571	83	957323	52.00	PPBV	#	100
32) 1,1,1-TRICHLOROETHANE	9.563	97	1189355	57.92	PPBV		93
33) CARBON TETRACHLORIDE	10.172	117	1558320	72.05	PPBV		95
34) 1,2-DICHLOROETHANE	9.311	62	806538	44.82	PPBV		99
36) BENZENE	10.025	78	746513	59.94	PPBV		94
37) CYCLOHEXANE	10.296	84	262872	61.60	PPBV	#	77
38) TRICHLOROETHYLENE	11.063	95	624660	82.10	PPBV		92
39) 1,2-DICHLOROPROPANE	10.831	63	289883	51.38	PPBV		94
40) BROMODICHLOROMETHANE	11.024	83	1142132	66.91	PPBV		100
41) 2,2,4-TRIMETHYLPENTANE	11.088	57	1369188	51.41	PPBV	#	96
42) 1,4-DIOXANE	11.052	88	171948	87.82	PPBV	#	65
43) HEPTANE	11.335	43	579645	43.71	PPBV		84

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\
Data File : Q3623.D
Acq On : 5 Jun 2007 3:47 pm
Operator : PhilipB
Sample : IC197-40 (M109)
Misc : MS13684, MSQ197,,,,,1
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Jun 05 16:40:46 2007
Quant Method : C:\msdchem\1\METHODS\Q053007T.m
Quant Title : TO15 by GCMS w/DB-1 60 m X .25 mm ID 1.0 um
QLast Update : Tue Jun 05 15:46:38 2007
Response via : Initial Calibration

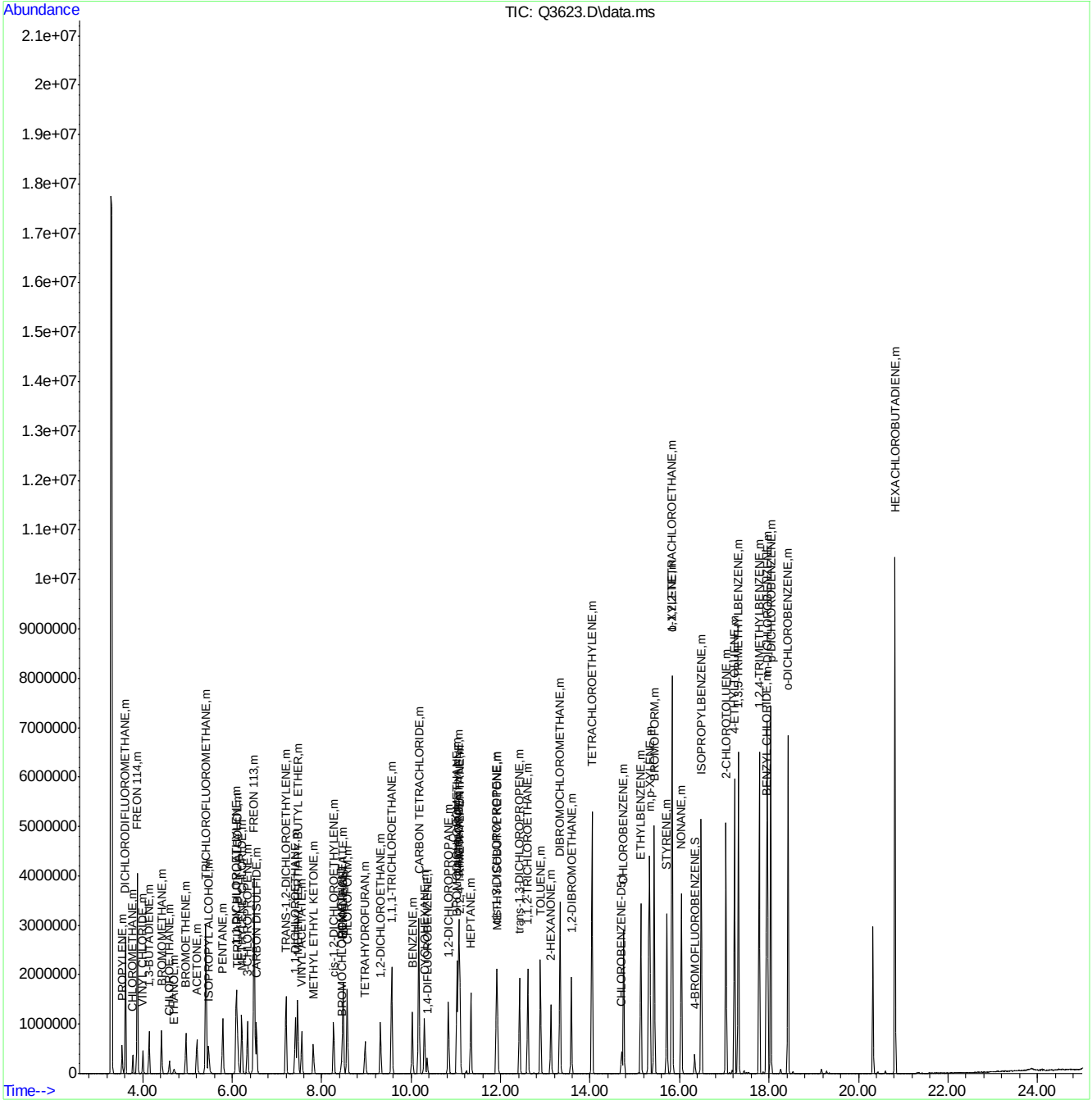
Internal Standards	R.T.	QIon	Response	Conc Units	Dev(Min)
44) METHYL ISOBUTYL KETONE	11.926	43	979380	50.14 PPBV	91
45) cis-1,3-DICHLOROPROPENE	11.904	75	601738	74.29 PPBV #	75
46) TOLUENE	12.891	92	701192	80.51 PPBV	99
47) trans-1,3-DICHLOROPROPENE	12.421	75	734078	88.21 PPBV #	99
48) 1,1,2-TRICHLOROETHANE	12.607	83	380659	76.15 PPBV	95
50) 2-HEXANONE	13.124	43	951600	49.83 PPBV	90
51) TETRACHLOROETHYLENE	14.041	164	824330	140.97 PPBV	95
52) DIBROMOCHLOROMETHANE	13.328	129	1512519	98.45 PPBV	98
53) 1,2-DIBROMOETHANE	13.581	107	959571	86.08 PPBV	98
54) CHLOROBENZENE	14.747	112	1146590	90.53 PPBV	95
55) ETHYLBENZENE	15.133	91	1997112	73.85 PPBV	95
56) m,p-XYLENE	15.335	106	1622690m	182.77 PPBV	
57) o-XYLENE	15.834	106	980297	105.38 PPBV	96
58) STYRENE	15.715	104	1162418	112.48 PPBV	97
59) NONANE	16.040	43	1254927	50.31 PPBV	92
60) BROMOFORM	15.433	173	1923682	165.61 PPBV	99
62) 1,1,2,2-TETRACHLOROETHANE	15.828	83	1500128	99.76 PPBV	97
63) ISOPROPYLBENZENE	16.485	105	2838396	91.72 PPBV	97
64) 2-CHLOROTOLUENE	17.037	91	2124140	87.22 PPBV	97
65) 4-ETHYLTOLUENE	17.229	105	2969300	111.26 PPBV	96
66) 1,3,5-TRIMETHYLBENZENE	17.314	105	2787245	107.39 PPBV	96
67) 1,2,4-TRIMETHYLBENZENE	17.781	105	2819502	120.90 PPBV	95
68) m-DICHLOROBENZENE	17.963	146	2252926	102.28 PPBV	97
69) BENZYL CHLORIDE	17.942	91	2139437	81.08 PPBV	97
70) p-DICHLOROBENZENE	18.038	146	2204567	116.75 PPBV	98
71) o-DICHLOROBENZENE	18.425	146	2021936	96.65 PPBV	98
72) HEXACHLOROBUTADIENE	20.815	225	1417822	234.15 PPBV	98
73) 1,2,4-TRICHLOROBENZENE	20.324	180	702108	Below Cal	94

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

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\
Data File : Q3623.D
Acq On : 5 Jun 2007 3:47 pm
Operator : PhilipB
Sample : IC197-40 (M109)
Misc : MS13684, MSQ197,,,,,1
ALS Vial : 2 Sample Multiplier: 1

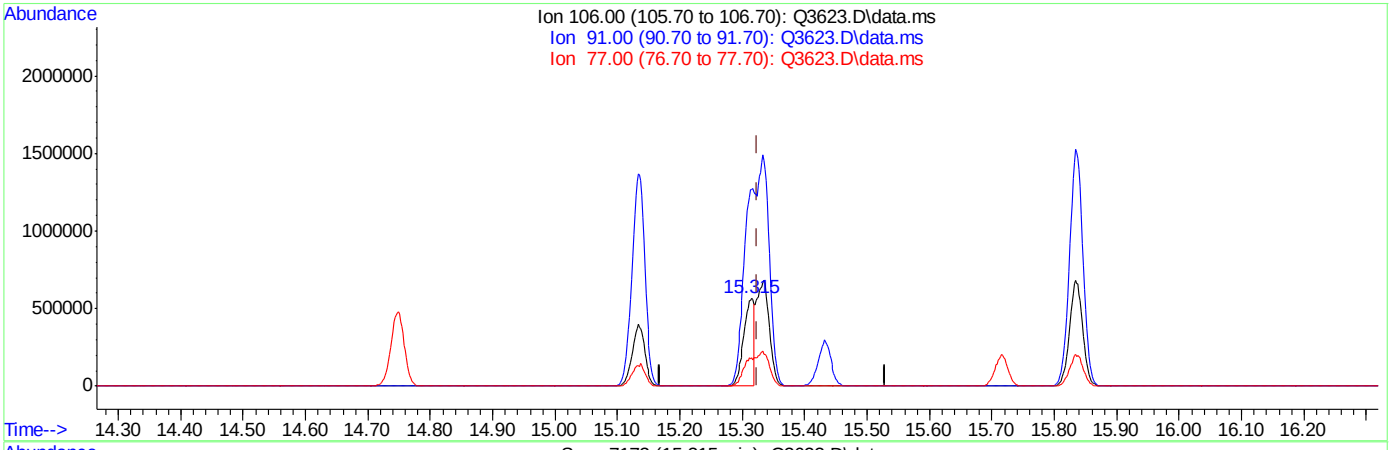
Quant Time: Jun 05 16:40:46 2007
Quant Method : C:\msdchem\1\METHODS\Q053007T.m
Quant Title : TO15 by GCMS w/DB-1 60 m X .25 mm ID 1.0 um
QLast Update : Tue Jun 05 15:46:38 2007
Response via : Initial Calibration

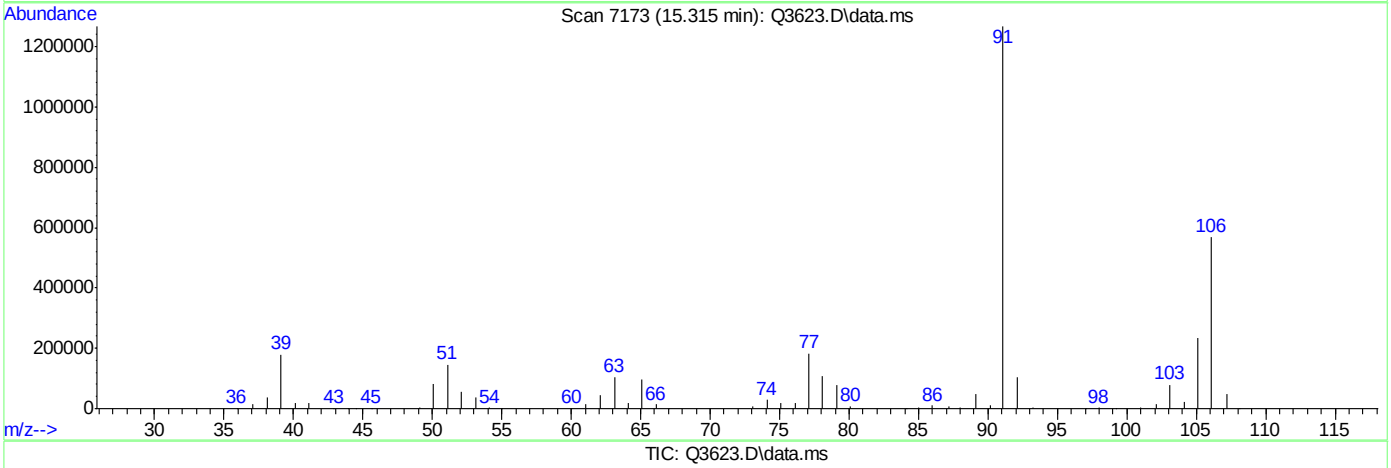


Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\
Data File : Q3623.D
Acq On : 5 Jun 2007 3:47 pm
Operator : PhilipB
Sample : IC197-40 (M109)
Misc : MS13684, MSQ197,,,,,1
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Jun 05 16:39:45 2007
Quant Method : C:\msdchem\1\METHODS\Q053007T.m
Quant Title : TO15 by GCMS w/DB-1 60 m X .25 mm ID 1.0 um
QLast Update : Tue Jun 05 15:46:38 2007
Response via : Initial Calibration





TIC: Q3623.D\data.ms

(56) m,p-XYLENE (m)

15.315min (-0.009) 73.27PPBV

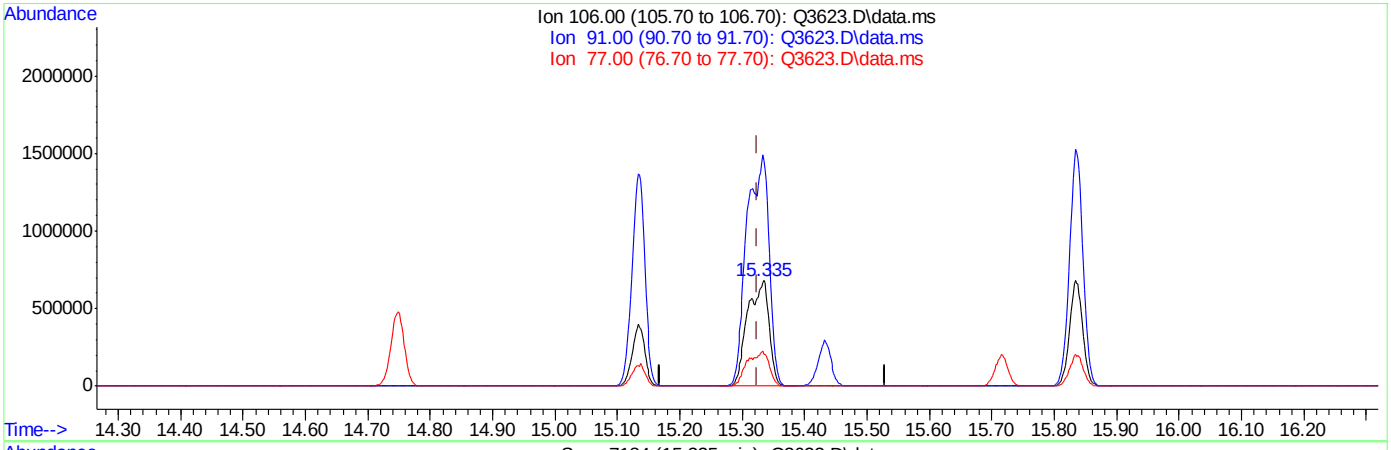
response 650517

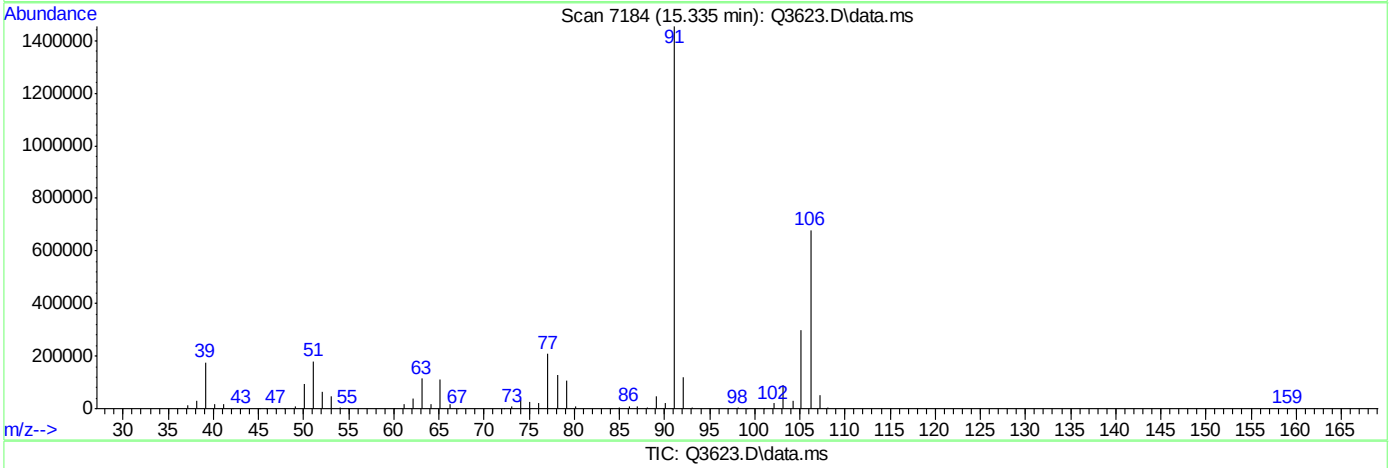
Ion	Exp%	Act%
106.00	100	100
91.00	204.20	222.73
77.00	30.60	32.10
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\
Data File : Q3623.D
Acq On : 5 Jun 2007 3:47 pm
Operator : PhilipB
Sample : IC197-40 (M109)
Misc : MS13684, MSQ197,,,,,1
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Jun 05 16:39:45 2007
Quant Method : C:\msdchem\1\METHODS\Q053007T.m
Quant Title : TO15 by GCMS w/DB-1 60 m X .25 mm ID 1.0 um
QLast Update : Tue Jun 05 15:46:38 2007
Response via : Initial Calibration





TIC: Q3623.D\data.ms

(56) m,p-XYLENE (m)

15.335min (+0.011) 182.77PPBV m

response 1622690

Ion	Exp%	Act%
106.00	100	100
91.00	204.20	214.28
77.00	30.60	30.58
0.00	0.00	0.00

Manual Integrations APPROVED (compounds with "m" flag)
Doug Yargeau
06/08/07 12:42

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\
Data File : Q3624.D
Acq On : 5 Jun 2007 4:30 pm
Operator : PhilipB
Sample : IC197-20 (M109)
Misc : MS13684, MSQ197,,,,,1
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Jun 05 16:58:51 2007
Quant Method : C:\msdchem\1\METHODS\Q053007T.m
Quant Title : TO15 by GCMS w/DB-1 60 m X .25 mm ID 1.0 um
QLast Update : Tue Jun 05 16:41:14 2007
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) BROMOCHLOROMETHANE	8.433	128	42635	10.00	PPBV	0.00
35) 1,4-DIFLUOROBENZENE	10.353	114	176235	10.00	PPBV	0.00
49) CHLOROBENZENE-D5	14.701	117	187505	10.00	PPBV	0.00
System Monitoring Compounds						
61) 4-BROMOFLUOROBENZENE	16.338	95	104800	5.52	PPBV	0.00
Spiked Amount 5.000	Range 57 - 139		Recovery = 110.40%			
Target Compounds						Qvalue
2) DICHLORODIFLUOROMETHANE	3.613	85	1341148	29.05	PPBV	87
3) PROPYLENE	3.540	41	119998	22.63	PPBV	86
4) FREON 114	3.875	85	1092034	26.70	PPBV #	100
5) CHLOROMETHANE	3.778	50	172791	24.28	PPBV	97
6) VINYL CHLORIDE	4.003	62	216642	26.50	PPBV	74
7) 1,3-BUTADIENE	4.138	39	217569	21.34	PPBV #	100
8) BROMOMETHANE	4.418	94	297726	28.78	PPBV #	100
9) CHLOROETHANE	4.590	64	96126	24.91	PPBV #	100
10) TRICHLOROFLUOROMETHANE	5.409	101	1542136	23.81	PPBV #	100
11) ISOPROPYL ALCOHOL	5.464	45	418157	21.76	PPBV	93
12) ACETONE	5.206	43	491770	20.90	PPBV	81
13) PENTANE	5.787	42	220665	20.53	PPBV #	100
14) 1,1-DICHLOROETHYLENE	6.088	96	276959	21.94	PPBV #	19
15) CARBON DISULFIDE	6.539	76	716454	20.96	PPBV #	58
16) ETHANOL	4.693	45	60850	22.05	PPBV #	100
17) BROMOETHENE	4.961	106	295829	25.52	PPBV #	100
18) METHYLENE CHLORIDE	6.213	84	244743	24.43	PPBV #	1
19) 3-CHLOROPROPENE	6.339	39	333375	20.19	PPBV #	1
20) FREON 113	6.486	151	915582	23.60	PPBV #	100
21) TRANS-1,2-DICHLOROETHY...	7.196	96	282689	21.12	PPBV #	100
22) TERTIARY BUTYL ALCOHOL	6.106	59	546888	20.76	PPBV #	100
23) METHYL TERTIARY BUTYL ...	7.459	73	677954	19.29	PPBV #	100
24) TETRAHYDROFURAN	8.971	42	149655	16.28	PPBV #	100
25) HEXANE	8.475	57	159523	15.62	PPBV #	100
26) VINYL ACETATE	7.551	43	598669	18.06	PPBV	91
27) 1,1-DICHLOROETHANE	7.407	63	472310	19.04	PPBV #	100
28) METHYL ETHYL KETONE	7.806	43	323712	15.72	PPBV	91
29) cis-1,2-DICHLOROETHYLENE	8.264	96	125935	16.33	PPBV #	100
30) ETHYL ACETATE	8.475	43	537453	15.51	PPBV	100
31) CHLOROFORM	8.570	83	450828	16.58	PPBV #	100
32) 1,1,1-TRICHLOROETHANE	9.565	97	556128	16.46	PPBV	92
33) CARBON TETRACHLORIDE	10.170	117	712566	16.09	PPBV	95
34) 1,2-DICHLOROETHANE	9.308	62	391287	17.08	PPBV	98
36) BENZENE	10.021	78	353314	18.31	PPBV	95
37) CYCLOHEXANE	10.293	84	116103	17.09	PPBV #	74
38) TRICHLOROETHYLENE	11.058	95	255566	15.83	PPBV	90
39) 1,2-DICHLOROPROPANE	10.827	63	145560	19.43	PPBV	90
40) BROMODICHLOROMETHANE	11.020	83	519278	17.59	PPBV	99
41) 2,2,4-TRIMETHYLPENTANE	11.084	57	555534	15.70	PPBV #	95
42) 1,4-DIOXANE	11.051	88	67927	15.29	PPBV #	57
43) HEPTANE	11.333	43	246763	16.47	PPBV	83

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\
Data File : Q3624.D
Acq On : 5 Jun 2007 4:30 pm
Operator : PhilipB
Sample : IC197-20 (M109)
Misc : MS13684, MSQ197,,,,,1
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Jun 05 16:58:51 2007
Quant Method : C:\msdchem\1\METHODS\Q053007T.m
Quant Title : TO15 by GCMS w/DB-1 60 m X .25 mm ID 1.0 um
QLast Update : Tue Jun 05 16:41:14 2007
Response via : Initial Calibration

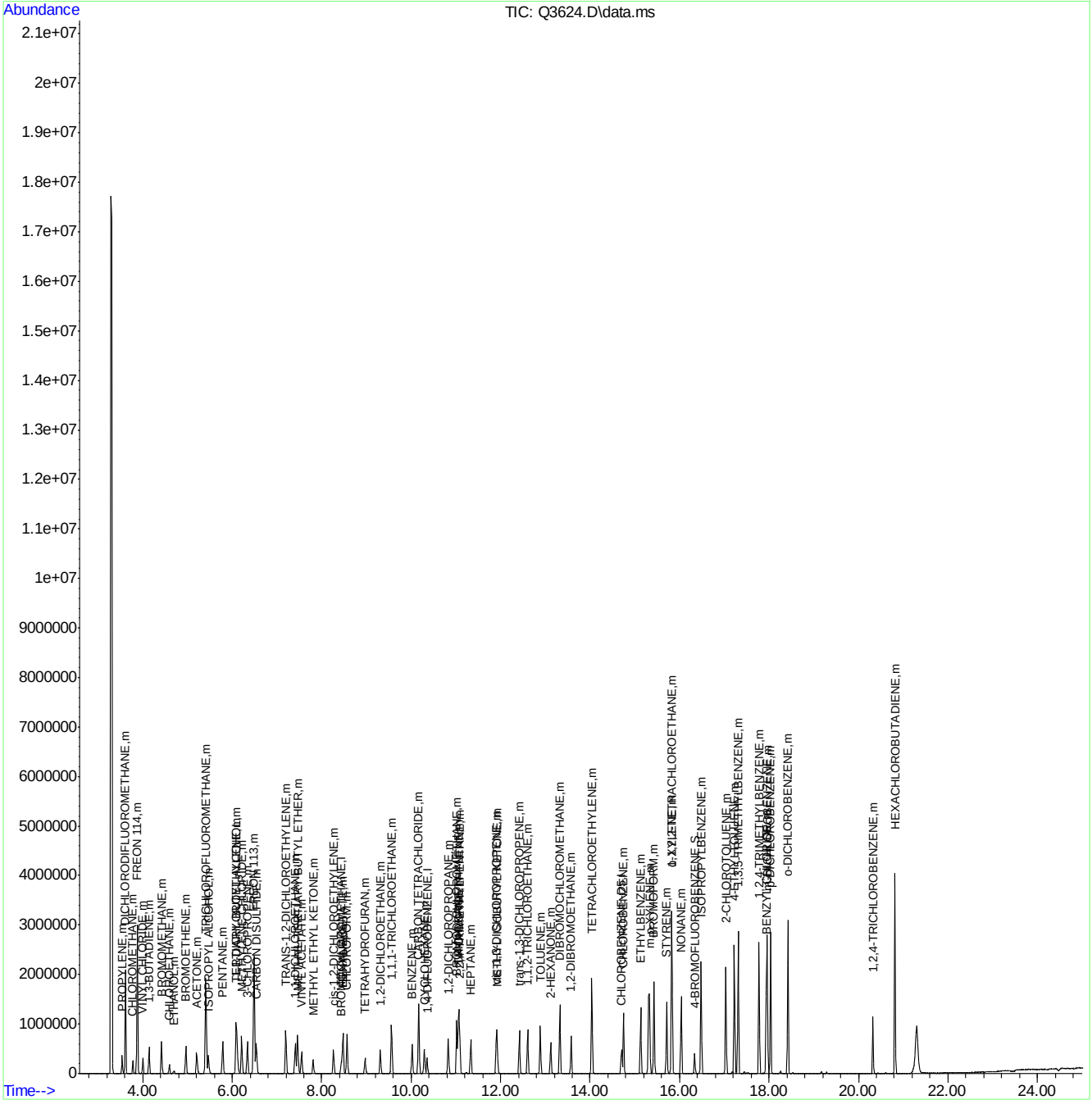
Internal Standards	R.T.	QIon	Response	Conc Units	Dev(Min)
44) METHYL ISOBUTYL KETONE	11.924	43	398657	15.75 PPBV	91
45) cis-1,3-DICHLOROPROPENE	11.904	75	245945	15.82 PPBV #	70
46) TOLUENE	12.884	92	281529	15.54 PPBV	98
47) trans-1,3-DICHLOROPROPENE	12.417	75	332039	17.50 PPBV #	100
48) 1,1,2-TRICHLOROETHANE	12.605	83	158685	16.13 PPBV	95
50) 2-HEXANONE	13.120	43	433811	17.24 PPBV	91
51) TETRACHLOROETHYLENE	14.039	164	297138	13.63 PPBV	96
52) DIBROMOCHLOROMETHANE	13.321	129	583301	14.59 PPBV	97
53) 1,2-DIBROMOETHANE	13.576	107	367761	14.49 PPBV	99
54) CHLOROBENZENE	14.744	112	462937	15.27 PPBV	92
55) ETHYLBENZENE	15.131	91	759255	14.38 PPBV	96
56) m,p-XYLENE	15.328	106	607052m	28.30 PPBV	
57) o-XYLENE	15.830	106	385052	14.86 PPBV	95
58) STYRENE	15.711	104	534666	17.40 PPBV	96
59) NONANE	16.038	43	523353	15.77 PPBV	91
60) BROMOFORM	15.425	173	693460	13.63 PPBV	99
62) 1,1,2,2-TETRACHLOROETHANE	15.823	83	602576	15.19 PPBV	97
63) ISOPROPYLBENZENE	16.483	105	1274210	16.98 PPBV	97
64) 2-CHLOROTOLUENE	17.035	91	949498	16.91 PPBV	96
65) 4-ETHYLTOLUENE	17.225	105	1343721	17.12 PPBV	96
66) 1,3,5-TRIMETHYLBENZENE	17.312	105	1291002	17.52 PPBV	96
67) 1,2,4-TRIMETHYLBENZENE	17.777	105	1181701	15.85 PPBV	94
68) m-DICHLOROBENZENE	17.960	146	836968	14.05 PPBV	98
69) BENZYL CHLORIDE	17.939	91	909612	16.08 PPBV	95
70) p-DICHLOROBENZENE	18.034	146	837620	14.37 PPBV	99
71) o-DICHLOROBENZENE	18.421	146	979137	18.31 PPBV	98
72) HEXACHLOROBUTADIENE	20.814	225	512777	13.68 PPBV	98
73) 1,2,4-TRICHLOROBENZENE	20.322	180	257321	13.86 PPBV	93

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

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\
Data File : Q3624.D
Acq On : 5 Jun 2007 4:30 pm
Operator : PhilipB
Sample : IC197-20 (M109)
Misc : MS13684, MSQ197,,,,,1
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Jun 05 16:58:51 2007
Quant Method : C:\msdchem\1\METHODS\Q053007T.m
Quant Title : TO15 by GCMS w/DB-1 60 m X .25 mm ID 1.0 um
QLast Update : Tue Jun 05 16:41:14 2007
Response via : Initial Calibration

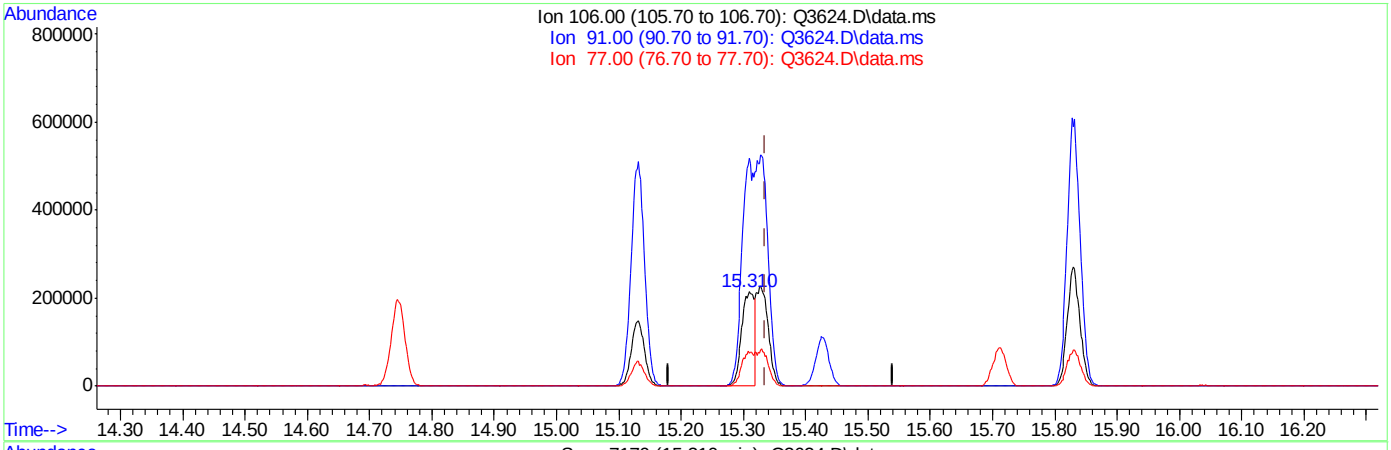


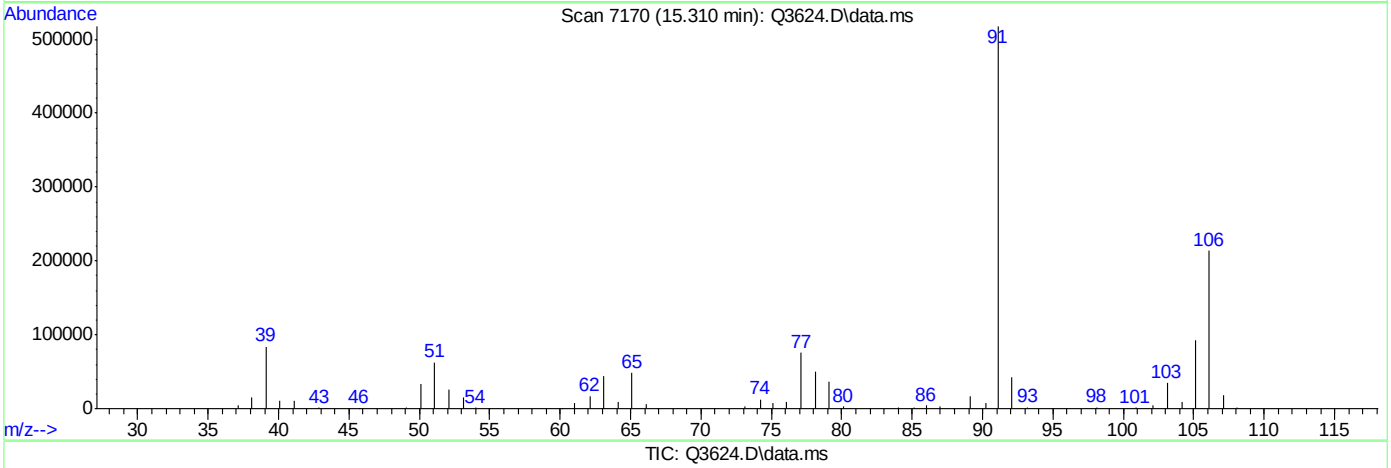
ACCUTEST Laboratories M65137

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\
Data File : Q3624.D
Acq On : 5 Jun 2007 4:30 pm
Operator : PhilipB
Sample : IC197-20 (M109)
Misc : MS13684, MSQ197,,,,,1
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Jun 05 16:58:07 2007
Quant Method : C:\msdchem\1\METHODS\Q053007T.m
Quant Title : TO15 by GCMS w/DB-1 60 m X .25 mm ID 1.0 um
QLast Update : Tue Jun 05 16:41:14 2007
Response via : Initial Calibration





TIC: Q3624.D\data.ms

(56) m,p-XYLENE (m)

15.310min (-0.025) 14.49PPBV

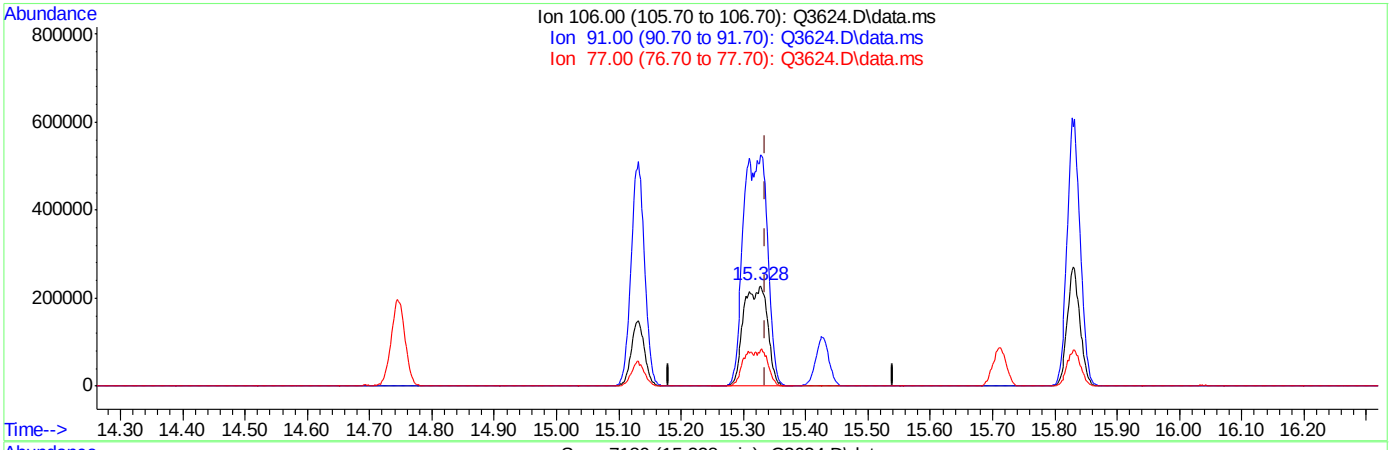
response 310747

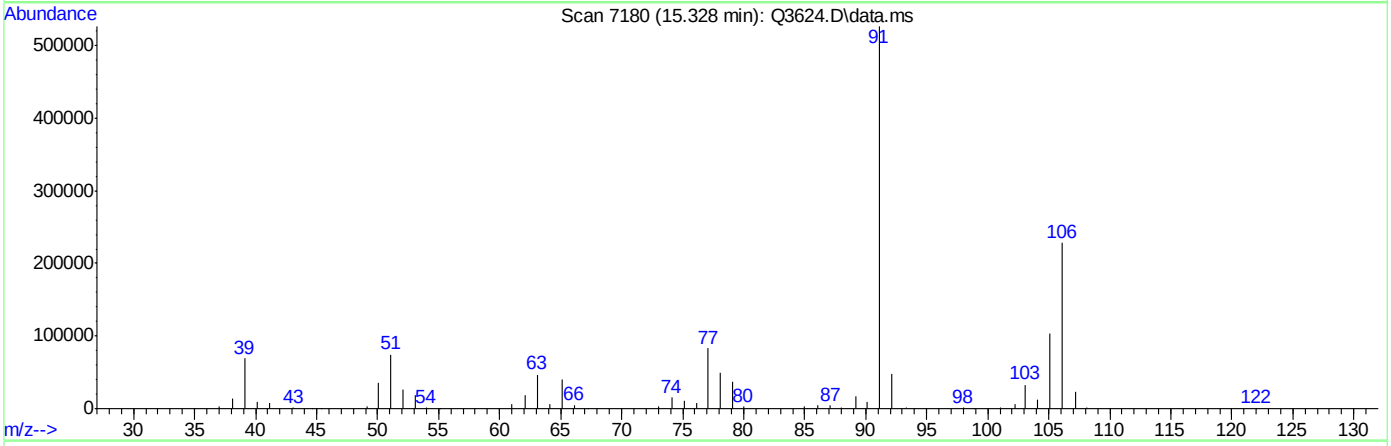
Ion	Exp%	Act%
106.00	100	100
91.00	204.20	242.27
77.00	30.60	35.51
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\
Data File : Q3624.D
Acq On : 5 Jun 2007 4:30 pm
Operator : PhilipB
Sample : IC197-20 (M109)
Misc : MS13684, MSQ197,,,,,1
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Jun 05 16:58:07 2007
Quant Method : C:\msdchem\1\METHODS\Q053007T.m
Quant Title : TO15 by GCMS w/DB-1 60 m X .25 mm ID 1.0 um
QLast Update : Tue Jun 05 16:41:14 2007
Response via : Initial Calibration





TIC: Q3624.D\data.ms

(56) m,p-XYLENE (m)

15.328min (-0.007) 28.30PPBV m

response 607052

Ion	Exp%	Act%
106.00	100	100
91.00	204.20	230.46
77.00	30.60	36.48
0.00	0.00	0.00

Manual Integrations APPROVED (compounds with "m" flag)
Doug Yargeau
06/08/07 12:42

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\
Data File : Q3625.D
Acq On : 5 Jun 2007 5:14 pm
Operator : PhilipB
Sample : ICC197-10 (M109)
Misc : MS13684, MSQ197,,,,,1
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Jun 06 09:05:32 2007
Quant Method : C:\msdchem\1\METHODS\Q053007T.m
Quant Title : TO15 by GCMS w/DB-1 60 m X .25 mm ID 1.0 um
QLast Update : Tue Jun 05 16:59:00 2007
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) BROMOCHLOROMETHANE	8.435	128	47153	10.00	PPBV	0.00
35) 1,4-DIFLUOROBENZENE	10.351	114	198354	10.00	PPBV	0.00
49) CHLOROBENZENE-D5	14.698	117	180740	10.00	PPBV	0.00
System Monitoring Compounds						
61) 4-BROMOFLUOROBENZENE	16.336	95	116844	6.17	PPBV	0.00
Spiked Amount 5.000	Range 57 - 139		Recovery = 123.40%			
Target Compounds						Qvalue
2) DICHLORODIFLUOROMETHANE	3.611	85	719480	11.49	PPBV	87
3) PROPYLENE	3.538	41	57976	9.28	PPBV	94
4) FREON 114	3.875	85	536525	10.16	PPBV #	100
5) CHLOROMETHANE	3.778	50	89798	10.31	PPBV	92
6) VINYL CHLORIDE	3.999	62	107708	10.25	PPBV	73
7) 1,3-BUTADIENE	4.140	39	108581	9.32	PPBV #	100
8) BROMOMETHANE	4.418	94	149393	10.71	PPBV #	100
9) CHLOROETHANE	4.590	64	46450	9.69	PPBV #	100
10) TRICHLOROFLUOROMETHANE	5.409	101	774282	9.87	PPBV #	100
11) ISOPROPYL ALCOHOL	5.462	45	209128	9.42	PPBV	96
12) ACETONE	5.206	43	242292	9.11	PPBV	82
13) PENTANE	5.785	42	113401	9.41	PPBV #	100
14) 1,1-DICHLOROETHYLENE	6.085	96	141068	9.64	PPBV #	21
15) CARBON DISULFIDE	6.537	76	344574	8.90	PPBV #	57
16) ETHANOL	4.688	45	29623	9.23	PPBV #	100
17) BROMOETHENE	4.961	106	163312	11.19	PPBV #	100
18) METHYLENE CHLORIDE	6.209	84	117408	9.54	PPBV #	1
19) 3-CHLOROPROPENE	6.335	39	149965	8.17	PPBV #	1
20) FREON 113	6.482	151	405046	8.66	PPBV #	100
21) TRANS-1,2-DICHLOROETHY...	7.198	96	136789	8.99	PPBV #	100
22) TERTIARY BUTYL ALCOHOL	6.104	59	262944	8.86	PPBV #	100
23) METHYL TERTIARY BUTYL ...	7.453	73	333418	8.73	PPBV #	100
24) TETRAHYDROFURAN	8.971	42	72113	7.82	PPBV #	100
25) HEXANE	8.472	57	78876	7.84	PPBV #	100
26) VINYL ACETATE	7.545	43	287211	8.23	PPBV	90
27) 1,1-DICHLOROETHANE	7.405	63	233501	8.72	PPBV #	100
28) METHYL ETHYL KETONE	7.805	43	159592	7.85	PPBV	90
29) cis-1,2-DICHLOROETHYLENE	8.261	96	60857	7.86	PPBV #	100
30) ETHYL ACETATE	8.472	43	257559	7.57	PPBV	100
31) CHLOROFORM	8.562	83	217187	7.90	PPBV #	100
32) 1,1,1-TRICHLOROETHANE	9.560	97	275709	8.09	PPBV	92
33) CARBON TETRACHLORIDE	10.165	117	338254	7.66	PPBV	98
34) 1,2-DICHLOROETHANE	9.308	62	190130	8.09	PPBV	99
36) BENZENE	10.020	78	169564	8.15	PPBV	95
37) CYCLOHEXANE	10.291	84	58352	8.23	PPBV #	78
38) TRICHLOROETHYLENE	11.058	95	115521	7.10	PPBV	90
39) 1,2-DICHLOROPROPANE	10.825	63	67664	8.14	PPBV	93
40) BROMODICHLOROMETHANE	11.017	83	244363	7.83	PPBV	99
41) 2,2,4-TRIMETHYLPENTANE	11.079	57	259564	7.30	PPBV	98
42) 1,4-DIOXANE	11.047	88	33136	7.51	PPBV #	64
43) HEPTANE	11.331	43	113899	7.41	PPBV	85

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\
Data File : Q3625.D
Acq On : 5 Jun 2007 5:14 pm
Operator : PhilipB
Sample : ICC197-10 (M109)
Misc : MS13684, MSQ197,,,,,1
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Jun 06 09:05:32 2007
Quant Method : C:\msdchem\1\METHODS\Q053007T.m
Quant Title : TO15 by GCMS w/DB-1 60 m X .25 mm ID 1.0 um
QLast Update : Tue Jun 05 16:59:00 2007
Response via : Initial Calibration

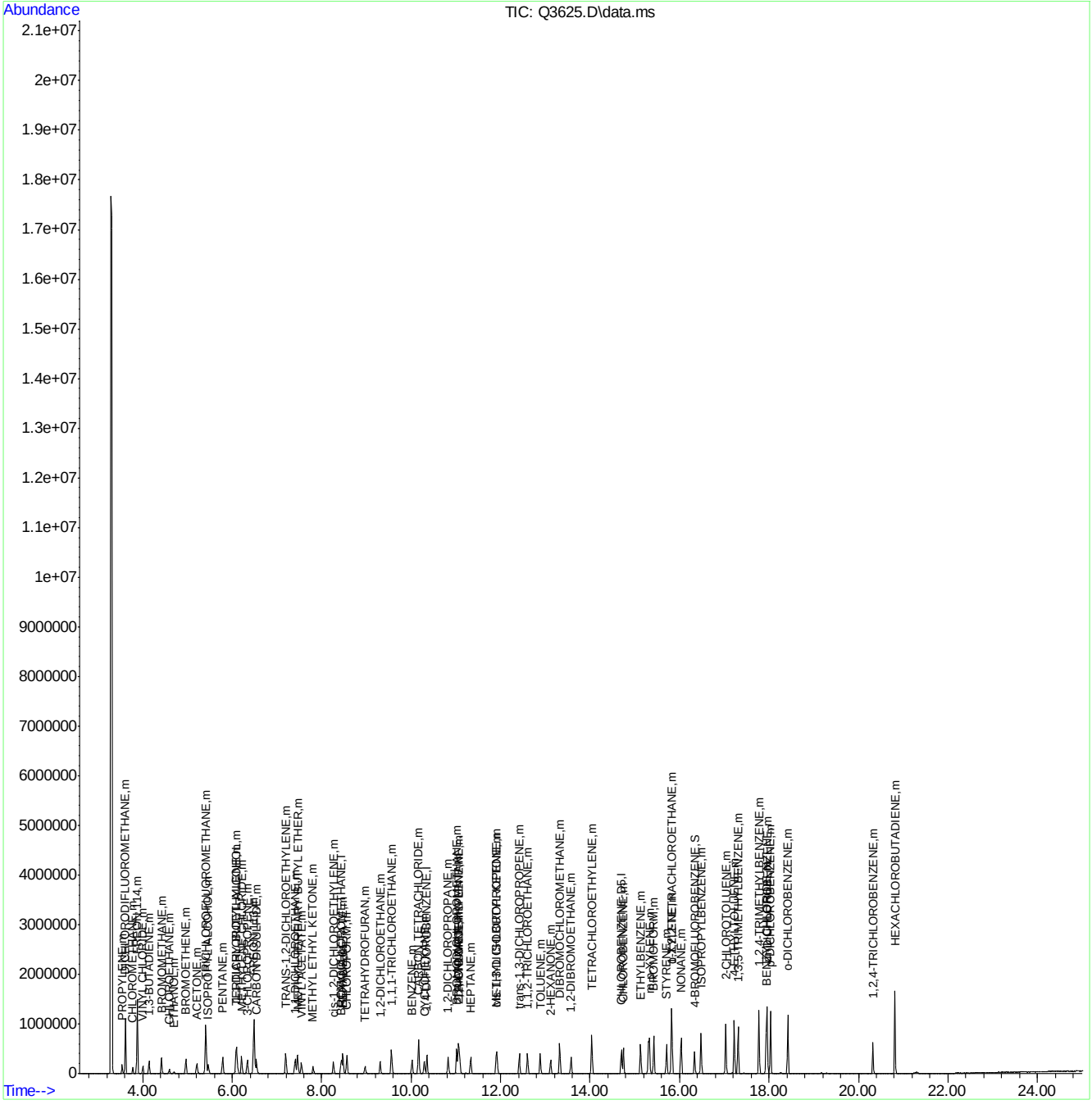
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) METHYL ISOBUTYL KETONE	11.917	43	205855	8.09	PPBV	91
45) cis-1,3-DICHLOROPROPENE	11.899	75	128657	8.21	PPBV #	75
46) TOLUENE	12.882	92	126199	6.96	PPBV	97
47) trans-1,3-DICHLOROPROPENE	12.415	75	149850	7.49	PPBV #	99
48) 1,1,2-TRICHLOROETHANE	12.596	83	70618	7.06	PPBV	93
50) 2-HEXANONE	13.115	43	185047	8.19	PPBV	91
51) TETRACHLOROETHYLENE	14.039	164	117359	6.64	PPBV	97
52) DIBROMOCHLOROMETHANE	13.322	129	262884	7.89	PPBV	97
53) 1,2-DIBROMOETHANE	13.574	107	169701	8.05	PPBV	100
54) CHLOROBENZENE	14.742	112	191557	7.43	PPBV	91
55) ETHYLBENZENE	15.127	91	354084	8.09	PPBV	94
56) m,p-XYLENE	15.321	106	264069m	14.96	PPBV	
57) o-XYLENE	15.827	106	153484	7.05	PPBV	89
58) STYRENE	15.708	104	206409	7.45	PPBV	95
59) NONANE	16.032	43	262844	9.19	PPBV	91
60) BROMOFORM	15.424	173	283464	6.88	PPBV	98
62) 1,1,2,2-TETRACHLOROETHANE	15.818	83	243616	7.24	PPBV	97
63) ISOPROPYLBENZENE	16.480	105	454165	6.79	PPBV	95
64) 2-CHLOROTOLUENE	17.032	91	429120	8.59	PPBV	94
65) 4-ETHYLTOLUENE	17.223	105	534766	7.62	PPBV	95
66) 1,3,5-TRIMETHYLBENZENE	17.310	105	420886	6.32	PPBV	94
67) 1,2,4-TRIMETHYLBENZENE	17.773	105	561620	8.72	PPBV	96
68) m-DICHLOROBENZENE	17.958	146	393271	8.05	PPBV	98
69) BENZYL CHLORIDE	17.935	91	420622	8.55	PPBV	94
70) p-DICHLOROBENZENE	18.033	146	377608	7.82	PPBV	98
71) o-DICHLOROBENZENE	18.420	146	342149	6.93	PPBV	99
72) HEXACHLOROBUTADIENE	20.814	225	182311	5.99	PPBV	97
73) 1,2,4-TRICHLOROBENZENE	20.324	180	126669	8.36	PPBV	96

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

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\
Data File : Q3625.D
Acq On : 5 Jun 2007 5:14 pm
Operator : PhilipB
Sample : ICC197-10 (M109)
Misc : MS13684, MSQ197,,,,,1
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Jun 06 09:05:32 2007
Quant Method : C:\msdchem\1\METHODS\Q053007T.m
Quant Title : TO15 by GCMS w/DB-1 60 m X .25 mm ID 1.0 um
QLast Update : Tue Jun 05 16:59:00 2007
Response via : Initial Calibration

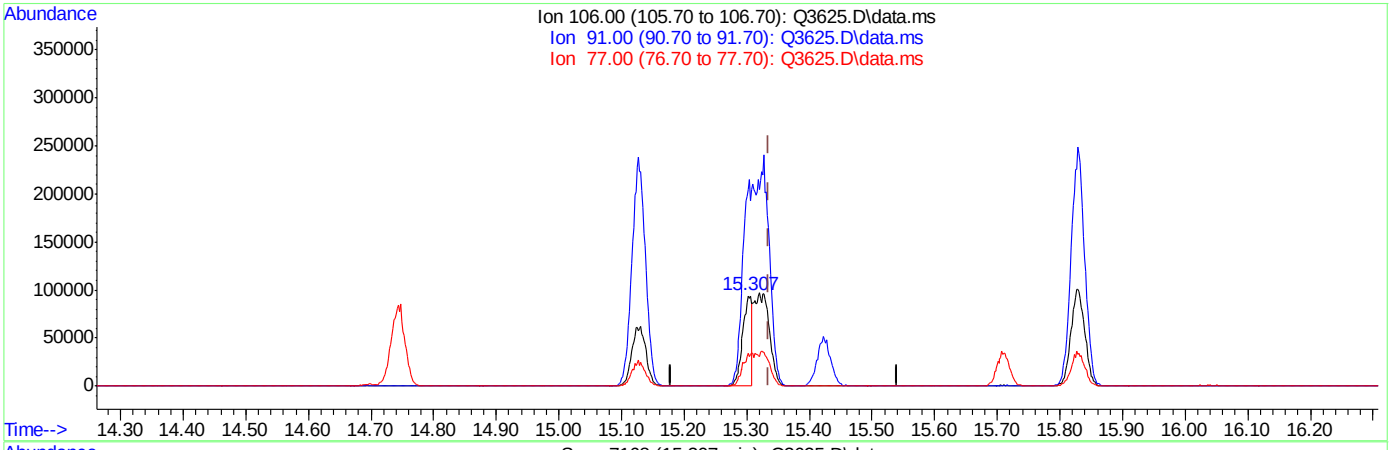


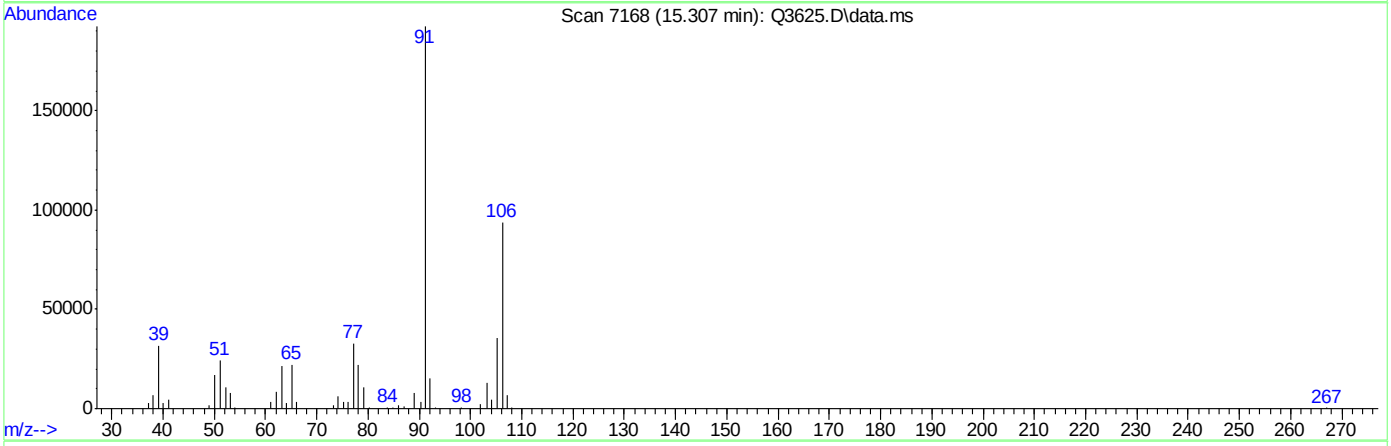
ACCUTEST Laboratories M65137

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\
Data File : Q3625.D
Acq On : 5 Jun 2007 5:14 pm
Operator : PhilipB
Sample : ICC197-10 (M109)
Misc : MS13684, MSQ197,,,,,1
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Jun 06 09:04:57 2007
Quant Method : C:\msdchem\1\METHODS\Q053007T.m
Quant Title : TO15 by GCMS w/DB-1 60 m X .25 mm ID 1.0 um
QLast Update : Tue Jun 05 16:59:00 2007
Response via : Initial Calibration





TIC: Q3625.D\data.ms

(56) m,p-XYLENE (m)

15.307min (-0.028) 5.47PPBV

response 96515

Ion	Exp%	Act%
106.00	100	100
91.00	204.20	205.08
77.00	30.60	35.01
0.00	0.00	0.00

Manual Integrations APPROVED (compounds with "m" flag)
Doug Yargeau
06/08/07 12:42

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\
Data File : Q3626.D
Acq On : 5 Jun 2007 5:58 pm
Operator : PhilipB
Sample : IC197-5 (M109)
Misc : MS13684, MSQ197,,,,,1
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Jun 06 09:06:22 2007
Quant Method : C:\msdchem\1\METHODS\Q053007T.m
Quant Title : TO15 by GCMS w/DB-1 60 m X .25 mm ID 1.0 um
QLast Update : Wed Jun 06 09:05:40 2007
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) BROMOCHLOROMETHANE	8.435	128	39678	10.00	PPBV	0.00
35) 1,4-DIFLUOROBENZENE	10.353	114	168900	10.00	PPBV	0.00
49) CHLOROBENZENE-D5	14.694	117	147506	10.00	PPBV	0.00

System Monitoring Compounds

61) 4-BROMOFLUOROBENZENE	16.336	95	82546	5.05	PPBV	0.00

Spiked Amount 5.000 Range 57 - 139 Recovery = 101.00%

Target Compounds						Qvalue
2) DICHLORODIFLUOROMETHANE	3.611	85	249829	4.52	PPBV	85
3) PROPYLENE	3.543	41	29336	5.72	PPBV	90
4) FREON 114	3.874	85	187909	4.21	PPBV #	100
5) CHLOROMETHANE	3.779	50	37655	5.08	PPBV	89
6) VINYL CHLORIDE	4.005	62	37241	4.18	PPBV	72
7) 1,3-BUTADIENE	4.140	39	41456	4.33	PPBV #	100
8) BROMOMETHANE	4.415	94	46167	3.84	PPBV #	100
9) CHLOROETHANE	4.587	64	17157	4.30	PPBV #	100
10) TRICHLOROFLUOROMETHANE	5.409	101	299011	4.55	PPBV #	100
11) ISOPROPYL ALCOHOL	5.464	45	87381	4.77	PPBV	90
12) ACETONE	5.206	43	99173	4.57	PPBV	83
13) PENTANE	5.781	42	47330	4.76	PPBV #	100
14) 1,1-DICHLOROETHYLENE	6.085	96	62830	5.16	PPBV #	17
15) CARBON DISULFIDE	6.541	76	166031	5.29	PPBV #	56
16) ETHANOL	4.695	45	10936	4.16	PPBV #	100
17) BROMOETHENE	4.965	106	48003	3.76	PPBV #	100
18) METHYLENE CHLORIDE	6.211	84	58942	5.78	PPBV #	1
19) 3-CHLOROPROPENE	6.339	39	74097	5.11	PPBV #	2
20) FREON 113	6.486	151	193202	5.14	PPBV #	100
21) TRANS-1,2-DICHLOROETHY...	7.196	96	69814	5.64	PPBV #	100
22) TERTIARY BUTYL ALCOHOL	6.103	59	121500	5.06	PPBV #	100
23) METHYL TERTIARY BUTYL ...	7.462	73	172712	5.61	PPBV #	100
24) TETRAHYDROFURAN	8.972	42	32246	4.48	PPBV #	100
25) HEXANE	8.470	57	37627	4.79	PPBV #	100
26) VINYL ACETATE	7.544	43	146752	5.31	PPBV	83
27) 1,1-DICHLOROETHANE	7.402	63	122072	5.66	PPBV #	100
28) METHYL ETHYL KETONE	7.805	43	78671	4.95	PPBV	92
29) cis-1,2-DICHLOROETHYLENE	8.261	96	28401	4.69	PPBV #	100
30) ETHYL ACETATE	8.474	43	123678	4.70	PPBV	100
31) CHLOROFORM	8.562	83	105289	4.89	PPBV #	100
32) 1,1,1-TRICHLOROETHANE	9.558	97	131345	4.89	PPBV	91
33) CARBON TETRACHLORIDE	10.165	117	162926	4.75	PPBV	96
34) 1,2-DICHLOROETHANE	9.306	62	93843	5.07	PPBV	97
36) BENZENE	10.020	78	74756	4.50	PPBV	93
37) CYCLOHEXANE	10.295	84	23805	4.19	PPBV #	64
38) TRICHLOROETHYLENE	11.060	95	53956	4.31	PPBV #	85
39) 1,2-DICHLOROPROPANE	10.827	63	31226	4.70	PPBV	93
40) BROMODICHLOROMETHANE	11.019	83	112382	4.56	PPBV	98
41) 2,2,4-TRIMETHYLPENTANE	11.083	57	125471	4.56	PPBV	98
42) 1,4-DIOXANE	11.049	88	13882	4.03	PPBV #	36
43) HEPTANE	11.329	43	52176	4.36	PPBV	83

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\
Data File : Q3626.D
Acq On : 5 Jun 2007 5:58 pm
Operator : PhilipB
Sample : IC197-5 (M109)
Misc : MS13684, MSQ197,,,,,1
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Jun 06 09:06:22 2007
Quant Method : C:\msdchem\1\METHODS\Q053007T.m
Quant Title : TO15 by GCMS w/DB-1 60 m X .25 mm ID 1.0 um
QLast Update : Wed Jun 06 09:05:40 2007
Response via : Initial Calibration

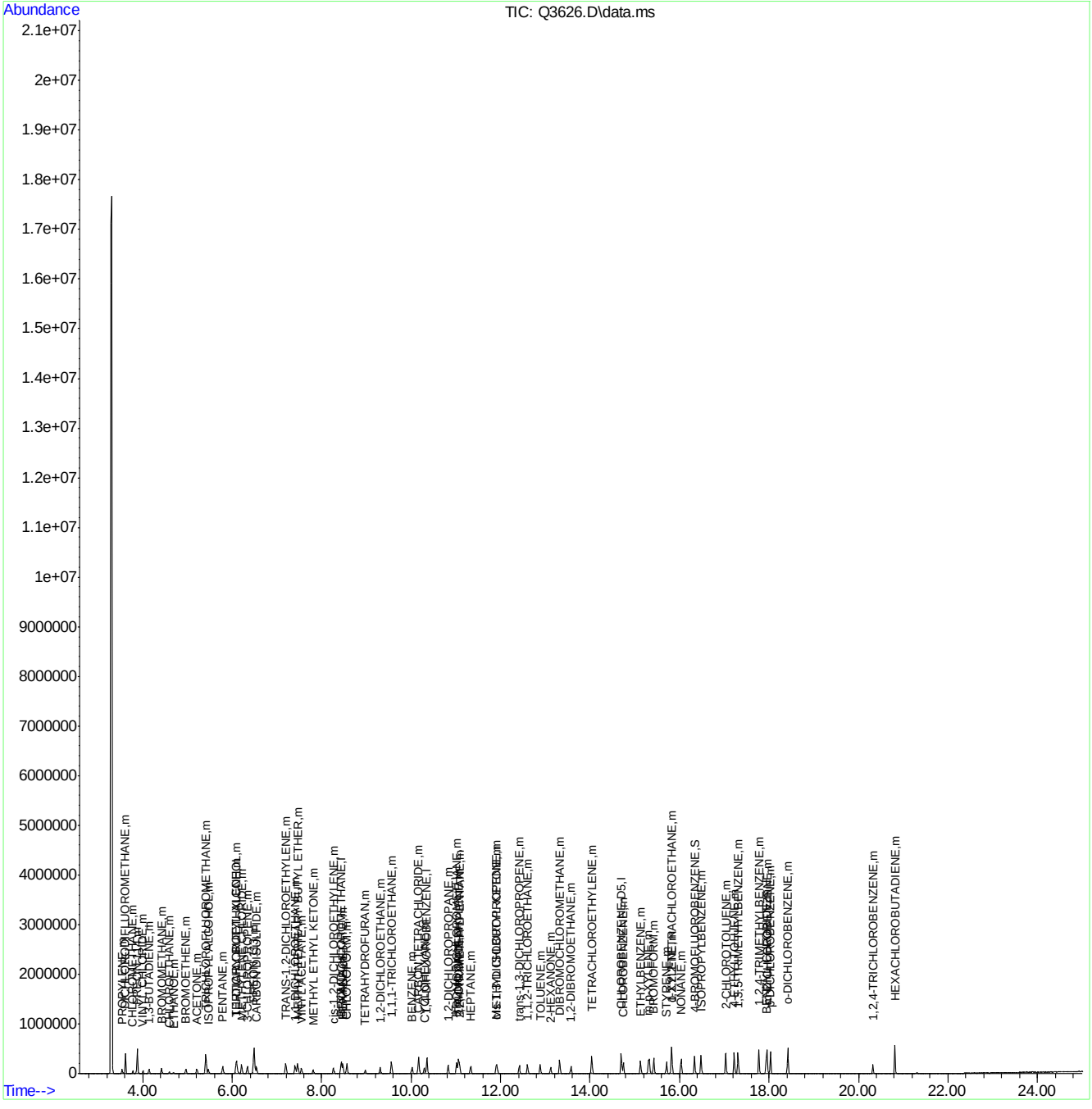
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) METHYL ISOBUTYL KETONE	11.920	43	86898	4.28	PPBV	89
45) cis-1,3-DICHLOROPROPENE	11.899	75	53015	4.22	PPBV #	65
46) TOLUENE	12.882	92	55920	4.03	PPBV	96
47) trans-1,3-DICHLOROPROPENE	12.416	75	64074	4.10	PPBV #	97
48) 1,1,2-TRICHLOROETHANE	12.600	83	33212	4.32	PPBV	92
50) 2-HEXANONE	13.117	43	78802	4.55	PPBV	88
51) TETRACHLOROETHYLENE	14.032	164	51182	4.00	PPBV	97
52) DIBROMOCHLOROMETHANE	13.317	129	112093	4.43	PPBV	98
53) 1,2-DIBROMOETHANE	13.573	107	70591	4.39	PPBV	99
54) CHLOROBENZENE	14.744	112	81562	4.24	PPBV	91
55) ETHYLBENZENE	15.129	91	142553	4.26	PPBV	94
56) m,p-XYLENE	15.301	106	100745m	7.63	PPBV	
57) o-XYLENE	15.827	106	59052	3.69	PPBV #	84
58) STYRENE	15.706	104	77874	3.76	PPBV	93
59) NONANE	16.032	43	99457	4.38	PPBV	89
60) BROMOFORM	15.424	173	117336	3.89	PPBV	98
62) 1,1,2,2-TETRACHLOROETHANE	15.818	83	95679	3.84	PPBV	97
63) ISOPROPYLBENZENE	16.482	105	197339	4.05	PPBV	94
64) 2-CHLOROTOLUENE	17.032	91	167711	4.32	PPBV	91
65) 4-ETHYLTOLUENE	17.223	105	203010	3.85	PPBV	93
66) 1,3,5-TRIMETHYLBENZENE	17.305	105	183412	3.84	PPBV	91
67) 1,2,4-TRIMETHYLBENZENE	17.774	105	205482	4.08	PPBV	91
68) m-DICHLOROBENZENE	17.956	146	129197	3.46	PPBV	99
69) BENZYL CHLORIDE	17.932	91	140813	3.69	PPBV	92
70) p-DICHLOROBENZENE	18.033	146	127291	3.48	PPBV	98
71) o-DICHLOROBENZENE	18.421	146	147598	4.08	PPBV	97
72) HEXACHLOROBUTADIENE	20.814	225	63862	2.97	PPBV	98
73) 1,2,4-TRICHLOROBENZENE	20.324	180	34930	2.99	PPBV	96

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

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\
Data File : Q3626.D
Acq On : 5 Jun 2007 5:58 pm
Operator : PhilipB
Sample : IC197-5 (M109)
Misc : MS13684, MSQ197,,,,,1
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Jun 06 09:06:22 2007
Quant Method : C:\msdchem\1\METHODS\Q053007T.m
Quant Title : TO15 by GCMS w/DB-1 60 m X .25 mm ID 1.0 um
QLast Update : Wed Jun 06 09:05:40 2007
Response via : Initial Calibration

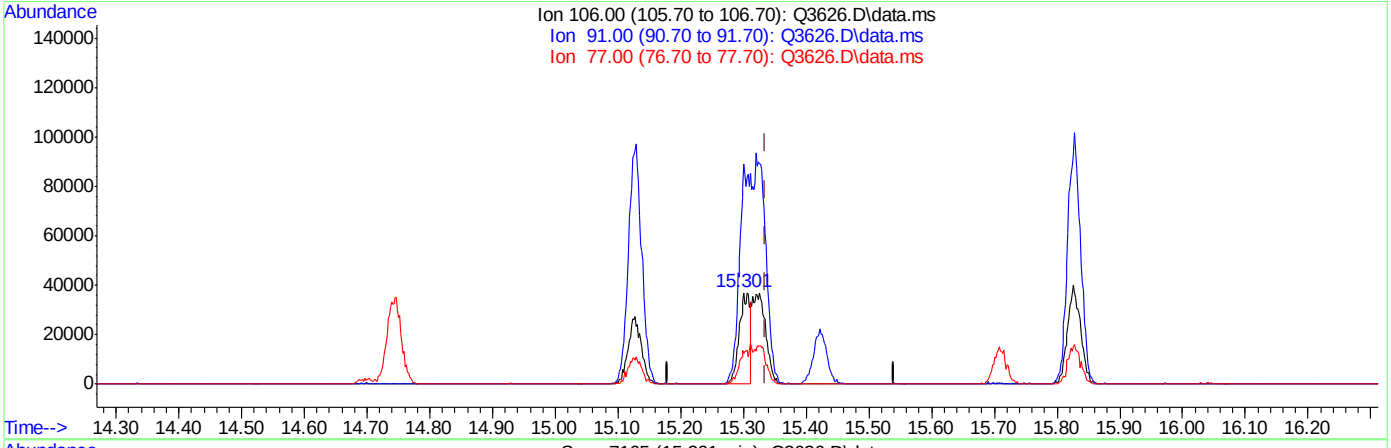


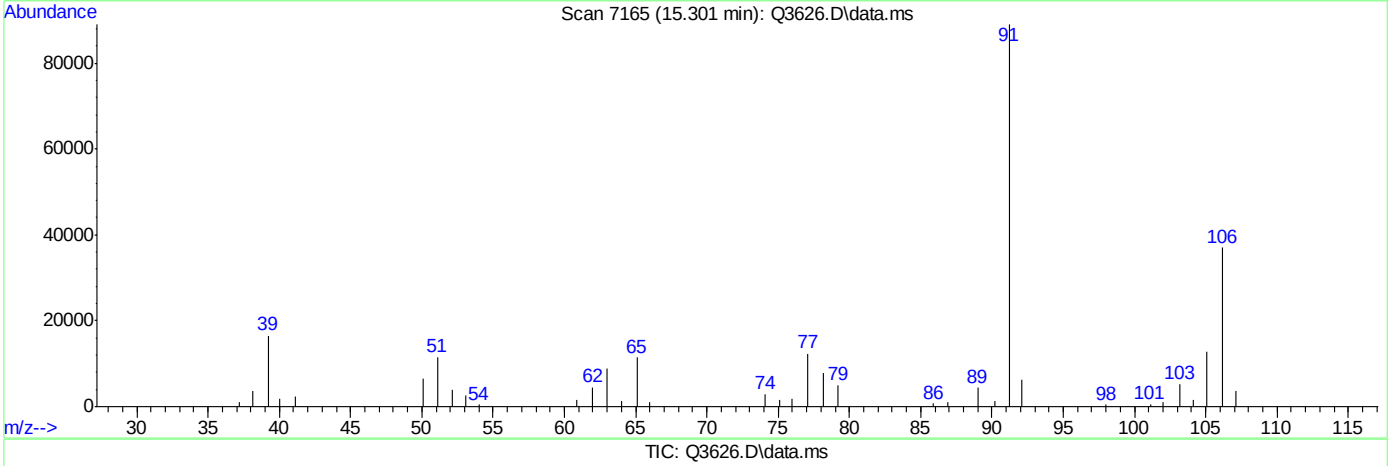
Q053007T.m Wed Jun 06 09:06:27 2007 RPT1 Page: 3

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\
Data File : Q3626.D
Acq On : 5 Jun 2007 5:58 pm
Operator : PhilipB
Sample : IC197-5 (M109)
Misc : MS13684, MSQ197,,,,,1
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Jun 06 09:05:44 2007
Quant Method : C:\msdchem\1\METHODS\Q053007T.m
Quant Title : TO15 by GCMS w/DB-1 60 m X .25 mm ID 1.0 um
QLast Update : Wed Jun 06 09:05:40 2007
Response via : Initial Calibration





TIC: Q3626.D\data.ms

(56) m,p-XYLENE (m)

15.301min (-0.034) 3.49PPBV

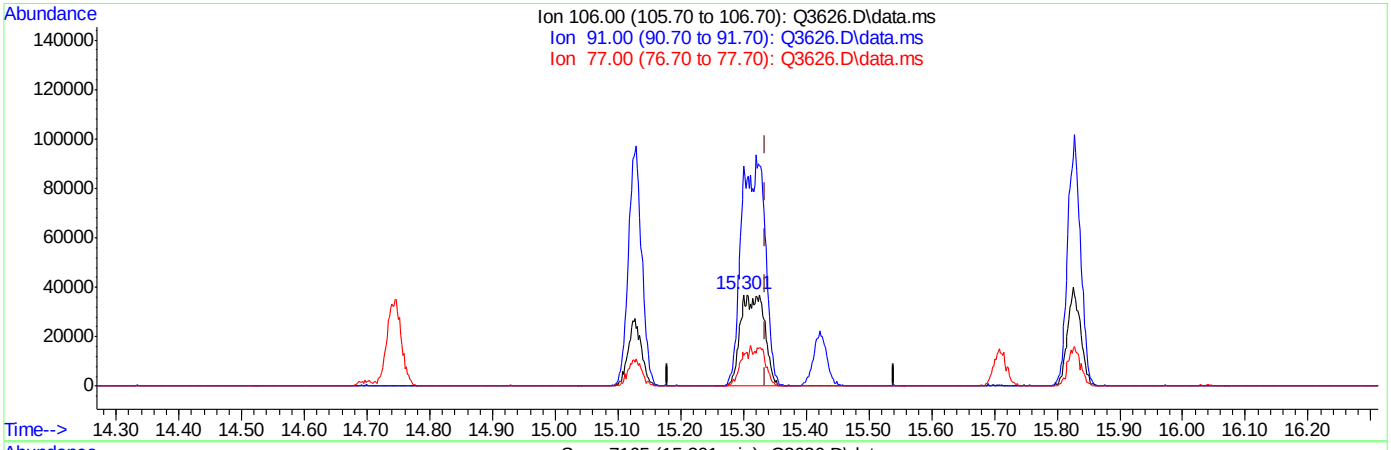
response 46067

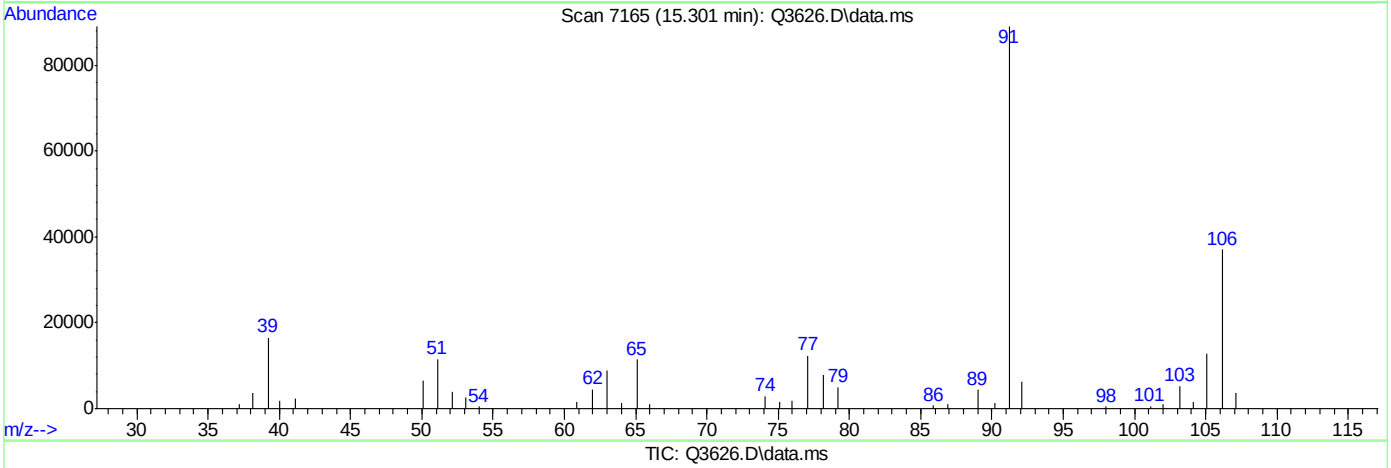
Ion	Exp%	Act%
106.00	100	100
91.00	204.20	240.79
77.00	30.60	33.41
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\
Data File : Q3626.D
Acq On : 5 Jun 2007 5:58 pm
Operator : PhilipB
Sample : IC197-5 (M109)
Misc : MS13684, MSQ197,,,,,1
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Jun 06 09:05:44 2007
Quant Method : C:\msdchem\1\METHODS\Q053007T.m
Quant Title : TO15 by GCMS w/DB-1 60 m X .25 mm ID 1.0 um
QLast Update : Wed Jun 06 09:05:40 2007
Response via : Initial Calibration





TIC: Q3626.D\data.ms

(56) m,p-XYLENE (m)

15.301min (-0.034) 7.63PPBV m

response 100745

Ion	Exp%	Act%
106.00	100	100
91.00	204.20	240.79
77.00	30.60	33.41
0.00	0.00	0.00

Manual Integrations APPROVED (compounds with "m" flag)
Doug Yargeau 06/08/07 12:42

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\
Data File : Q3627.D
Acq On : 5 Jun 2007 6:41 pm
Operator : PhilipB
Sample : IC197-2 (M109)
Misc : MS13684, MSQ197,,,,,1
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Jun 06 09:07:07 2007
Quant Method : C:\msdchem\1\METHODS\Q053007T.m
Quant Title : TO15 by GCMS w/DB-1 60 m X .25 mm ID 1.0 um
QLast Update : Wed Jun 06 09:06:31 2007
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) BROMOCHLOROMETHANE	8.435	128	46804	10.00	PPBV	0.00
35) 1,4-DIFLUOROBENZENE	10.350	114	196316	10.00	PPBV	0.00
49) CHLOROBENZENE-D5	14.698	117	164393	10.00	PPBV	0.00

System Monitoring Compounds

61) 4-BROMOFLUOROBENZENE	16.331	95	83185	4.55	PPBV	-0.01

Spiked Amount 5.000 Range 57 - 139 Recovery = 91.00%

Target Compounds						Qvalue
2) DICHLORODIFLUOROMETHANE	3.609	85	97258	1.53	PPBV	86
3) PROPYLENE	3.538	41	10742	1.71	PPBV	96
4) FREON 114	3.874	85	74867	1.48	PPBV #	100
5) CHLOROMETHANE	3.778	50	15448	1.76	PPBV	96
6) VINYL CHLORIDE	4.001	62	16693	1.66	PPBV	73
7) 1,3-BUTADIENE	4.134	39	18453	1.69	PPBV #	100
8) BROMOMETHANE	4.415	94	19510	1.46	PPBV #	100
9) CHLOROETHANE	4.592	64	7474	1.65	PPBV #	100
10) TRICHLOROFLUOROMETHANE	5.409	101	137557	1.82	PPBV #	100
11) ISOPROPYL ALCOHOL	5.458	45	37403	1.75	PPBV	97
12) ACETONE	5.210	43	45936	1.83	PPBV	83
13) PENTANE	5.790	42	22848	1.97	PPBV #	100
14) 1,1-DICHLOROETHYLENE	6.087	96	27060	1.87	PPBV #	15
15) CARBON DISULFIDE	6.539	76	74341	1.98	PPBV #	53
16) ETHANOL	4.688	45	5147	1.73	PPBV #	100
17) BROMOETHENE	4.965	106	22193	1.57	PPBV #	100
18) METHYLENE CHLORIDE	6.211	84	26899	2.15	PPBV #	1
19) 3-CHLOROPROPENE	6.337	39	34949	2.03	PPBV #	5
20) FREON 113	6.486	151	87133	1.95	PPBV #	100
21) TRANS-1,2-DICHLOROETHY...	7.194	96	31394	2.08	PPBV #	100
22) TERTIARY BUTYL ALCOHOL	6.112	59	53061	1.87	PPBV #	100
23) METHYL TERTIARY BUTYL ...	7.464	73	42906	1.15	PPBV #	100
24) TETRAHYDROFURAN	8.969	42	13531	1.64	PPBV #	100
25) HEXANE	8.467	57	16298	1.78	PPBV #	100
26) VINYL ACETATE	7.542	43	39434	1.19	PPBV	79
27) 1,1-DICHLOROETHANE	7.404	63	32978	1.25	PPBV #	100
28) METHYL ETHYL KETONE	7.810	43	34061	1.82	PPBV	92
29) cis-1,2-DICHLOROETHYLENE	8.257	96	12572	1.79	PPBV #	100
30) ETHYL ACETATE	8.468	43	53998	1.77	PPBV #	100
31) CHLOROFORM	8.559	83	49885	1.98	PPBV #	100
32) 1,1,1-TRICHLOROETHANE	9.556	97	59181	1.88	PPBV	92
33) CARBON TETRACHLORIDE	10.167	117	71956	1.80	PPBV	98
34) 1,2-DICHLOROETHANE	9.304	62	41629	1.90	PPBV	98
36) BENZENE	10.020	78	32689	1.74	PPBV	94
37) CYCLOHEXANE	10.289	84	11172	1.76	PPBV #	77
38) TRICHLOROETHYLENE	11.056	95	23784	1.69	PPBV	86
39) 1,2-DICHLOROPROPANE	10.824	63	13645	1.79	PPBV	94
40) BROMODICHLOROMETHANE	11.015	83	49389	1.76	PPBV	100
41) 2,2,4-TRIMETHYLPENTANE	11.074	57	53484	1.71	PPBV	94
42) 1,4-DIOXANE	11.056	88	5980m	1.57	PPBV	
43) HEPTANE	11.329	43	22315	1.66	PPBV	86

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\
Data File : Q3627.D
Acq On : 5 Jun 2007 6:41 pm
Operator : PhilipB
Sample : IC197-2 (M109)
Misc : MS13684, MSQ197,,,,,1
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Jun 06 09:07:07 2007
Quant Method : C:\msdchem\1\METHODS\Q053007T.m
Quant Title : TO15 by GCMS w/DB-1 60 m X .25 mm ID 1.0 um
QLast Update : Wed Jun 06 09:06:31 2007
Response via : Initial Calibration

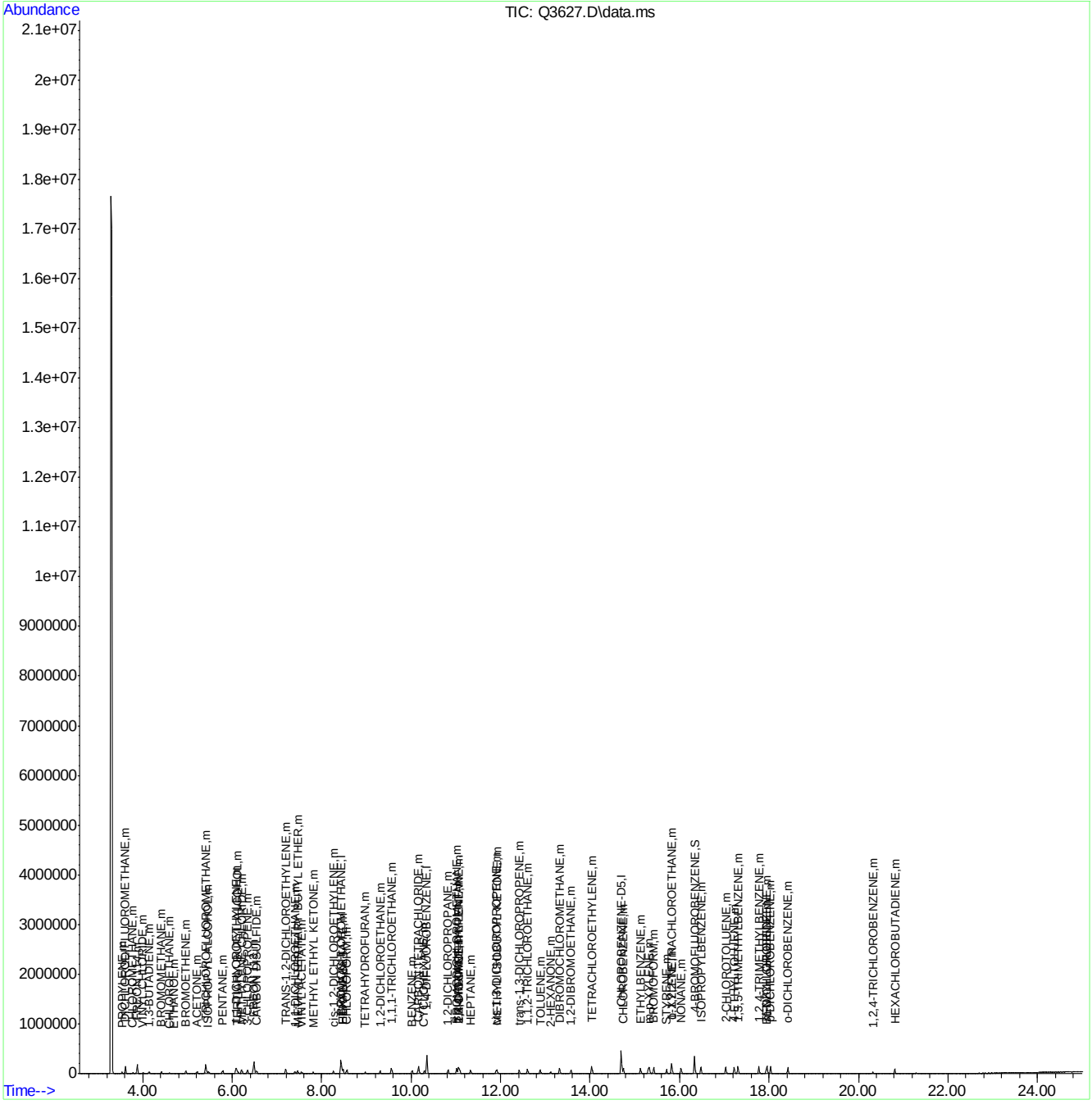
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) METHYL ISOBUTYL KETONE	11.920	43	35839	1.58	PPBV	90
45) cis-1,3-DICHLOROPROPENE	11.897	75	21357	1.52	PPBV #	62
46) TOLUENE	12.879	92	23498	1.53	PPBV	91
47) trans-1,3-DICHLOROPROPENE	12.414	75	24125	1.39	PPBV #	100
48) 1,1,2-TRICHLOROETHANE	12.598	83	15407	1.79	PPBV	91
50) 2-HEXANONE	13.117	43	30002	1.59	PPBV	84
51) TETRACHLOROETHYLENE	14.038	164	21975	1.62	PPBV	98
52) DIBROMOCHLOROMETHANE	13.319	129	47653	1.74	PPBV	97
53) 1,2-DIBROMOETHANE	13.571	107	29325	1.69	PPBV #	5
54) CHLOROBENZENE	14.740	112	34602	1.68	PPBV	90
55) ETHYLBENZENE	15.126	91	57970	1.62	PPBV	93
56) m,p-XYLENE	15.307	106	42761m	3.09	PPBV	
57) o-XYLENE	15.825	106	21090	1.26	PPBV #	79
58) STYRENE	15.710	104	28909	1.34	PPBV	92
59) NONANE	16.033	43	36877	1.50	PPBV	87
60) BROMOFORM	15.420	173	46514	1.47	PPBV	97
62) 1,1,2,2-TETRACHLOROETHANE	15.821	83	35099	1.34	PPBV	97
63) ISOPROPYLBENZENE	16.478	105	71611	1.38	PPBV	93
64) 2-CHLOROTOLUENE	17.032	91	50618	1.21	PPBV	89
65) 4-ETHYLTOLUENE	17.220	105	63843	1.15	PPBV	95
66) 1,3,5-TRIMETHYLBENZENE	17.309	105	62646	1.25	PPBV	92
67) 1,2,4-TRIMETHYLBENZENE	17.774	105	57402	1.07	PPBV	91
68) m-DICHLOROBENZENE	17.956	146	41131	1.07	PPBV	96
69) BENZYL CHLORIDE	17.932	91	34236	0.86	PPBV	88
70) p-DICHLOROBENZENE	18.029	146	39885	1.06	PPBV	94
71) o-DICHLOROBENZENE	18.420	146	32246	0.84	PPBV	96
72) HEXACHLOROBUTADIENE	20.812	225	10613	0.49	PPBV	96
73) 1,2,4-TRICHLOROBENZENE	20.329	180	7623	0.65	PPBV	96

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

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\
Data File : Q3627.D
Acq On : 5 Jun 2007 6:41 pm
Operator : PhilipB
Sample : IC197-2 (M109)
Misc : MS13684, MSQ197,,,,,1
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Jun 06 09:07:07 2007
Quant Method : C:\msdchem\1\METHODS\Q053007T.m
Quant Title : TO15 by GCMS w/DB-1 60 m X .25 mm ID 1.0 um
QLast Update : Wed Jun 06 09:06:31 2007
Response via : Initial Calibration

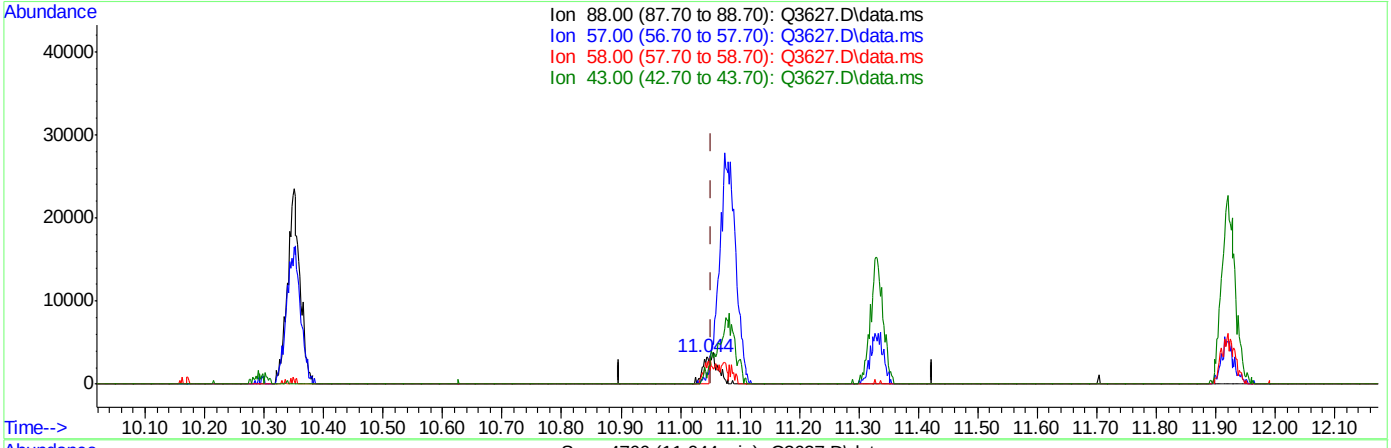


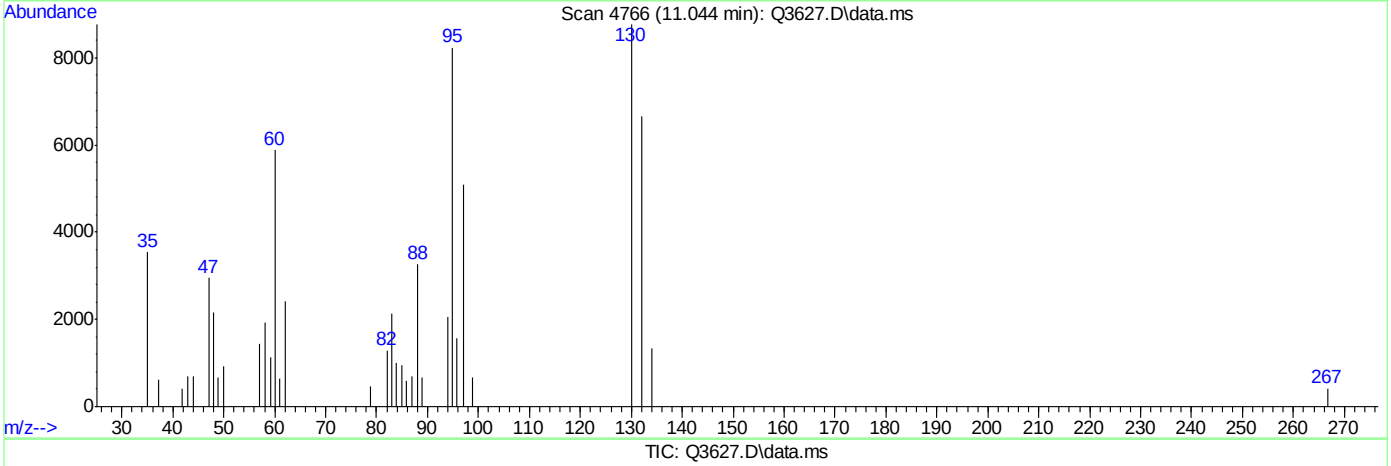
ACCUTEST Laboratories M65137

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\
Data File : Q3627.D
Acq On : 5 Jun 2007 6:41 pm
Operator : PhilipB
Sample : IC197-2 (M109)
Misc : MS13684, MSQ197,,,,,1
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Jun 06 09:06:34 2007
Quant Method : C:\msdchem\1\METHODS\Q053007T.m
Quant Title : TO15 by GCMS w/DB-1 60 m X .25 mm ID 1.0 um
QLast Update : Wed Jun 06 09:06:31 2007
Response via : Initial Calibration





TIC: Q3627.D\data.ms

(42) 1,4-DIOXANE (m)

11.044min (-0.009) 0.63PPBV

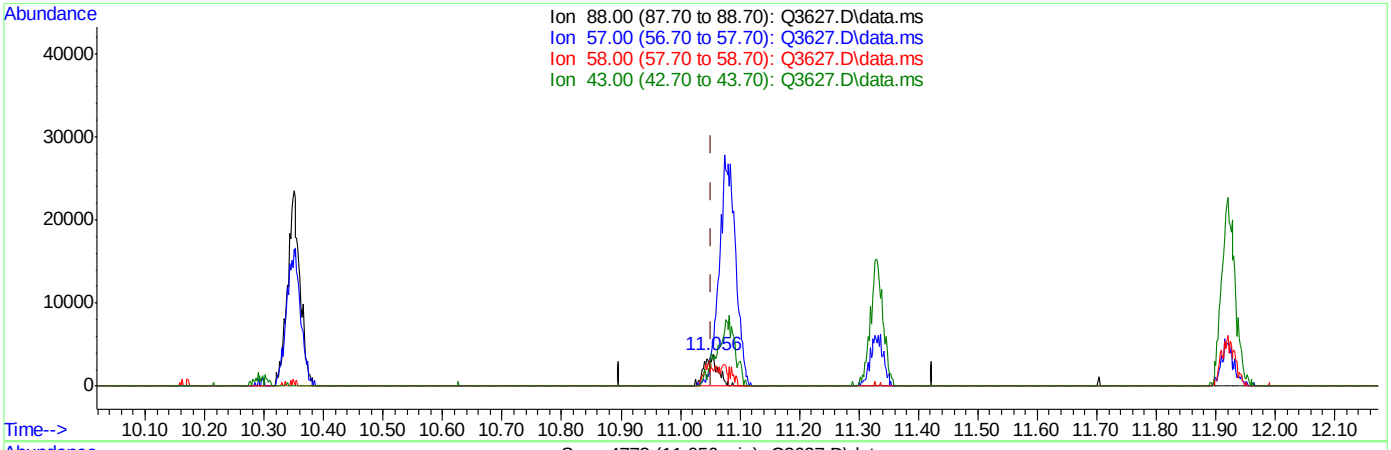
response 2385

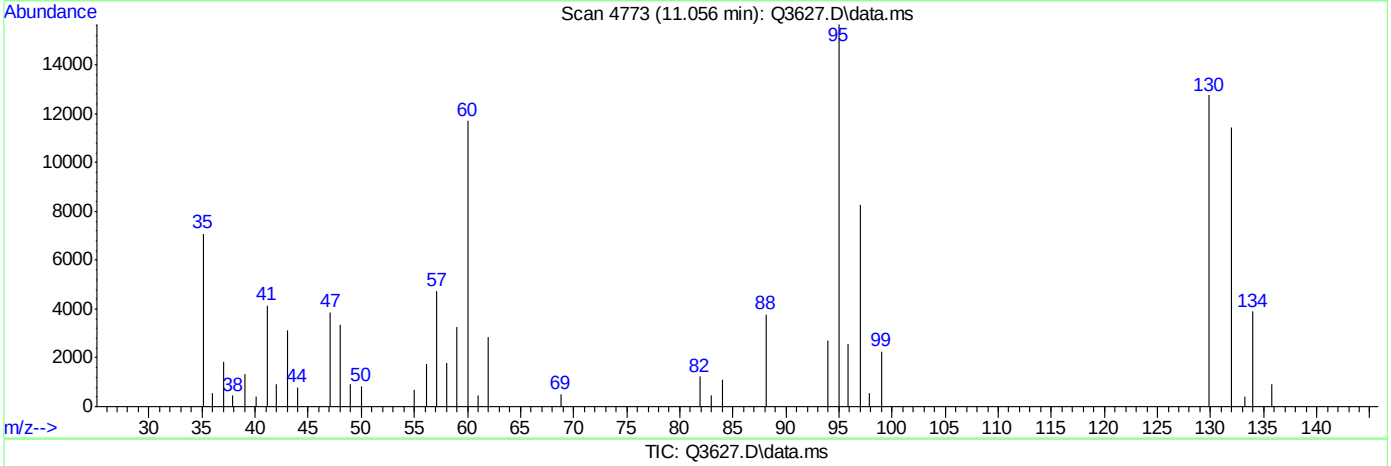
Ion	Exp%	Act%
88.00	100	100
57.00	23.90	44.25#
58.00	54.80	59.11
43.00	32.10	21.48

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\
Data File : Q3627.D
Acq On : 5 Jun 2007 6:41 pm
Operator : PhilipB
Sample : IC197-2 (M109)
Misc : MS13684, MSQ197,,,,,1
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Jun 06 09:06:34 2007
Quant Method : C:\msdchem\1\METHODS\Q053007T.m
Quant Title : TO15 by GCMS w/DB-1 60 m X .25 mm ID 1.0 um
QLast Update : Wed Jun 06 09:06:31 2007
Response via : Initial Calibration





TIC: Q3627.D\data.ms

(42) 1,4-DIOXANE (m)

11.056min (+0.004) 1.57PPBV m

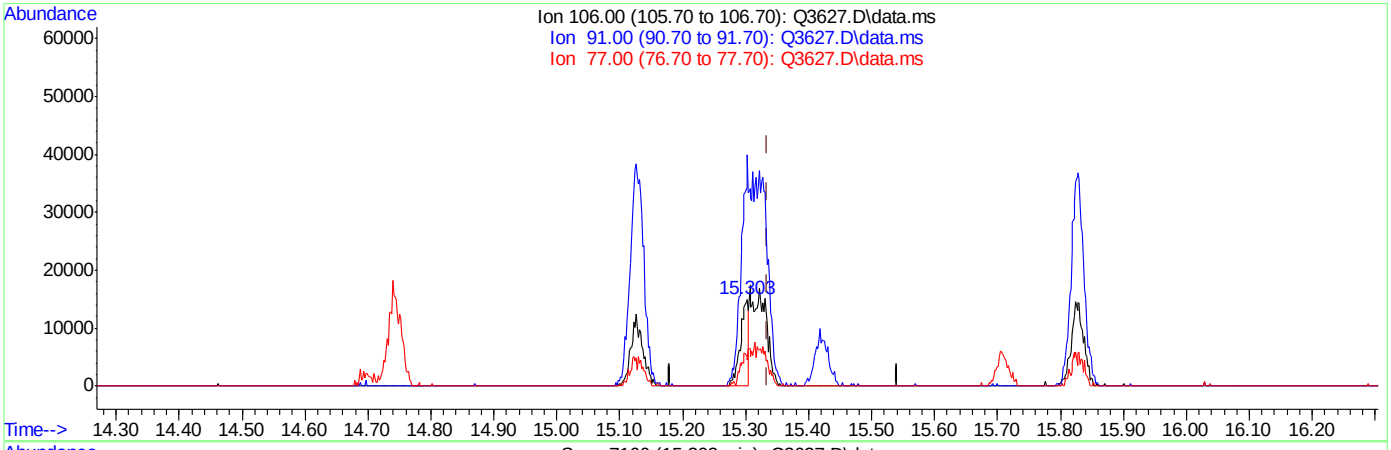
response 5980

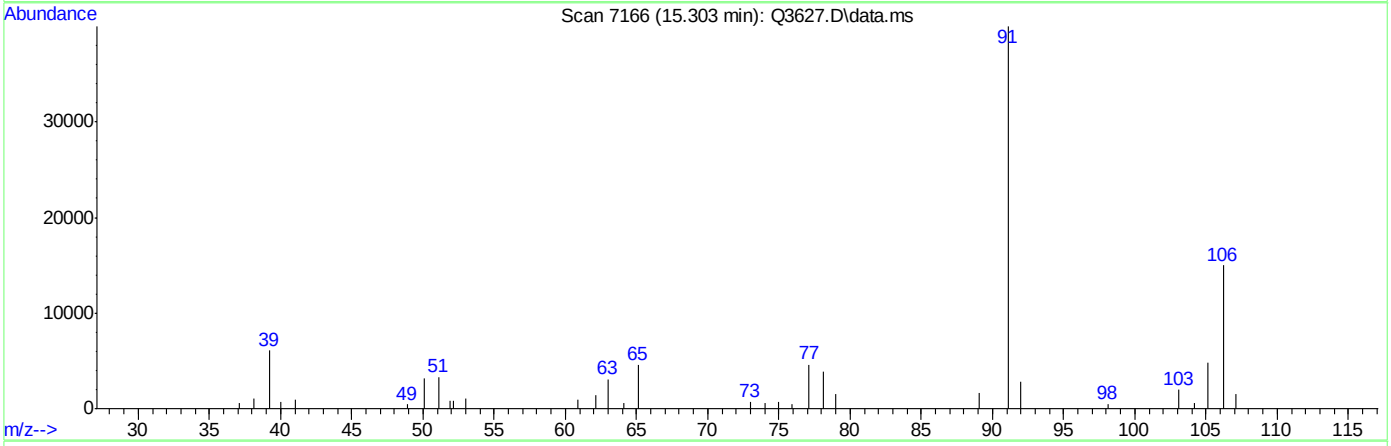
Ion	Exp%	Act%
88.00	100	100
57.00	23.90	126.17#
58.00	54.80	47.31
43.00	32.10	83.44#

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\
Data File : Q3627.D
Acq On : 5 Jun 2007 6:41 pm
Operator : PhilipB
Sample : IC197-2 (M109)
Misc : MS13684, MSQ197,,,,,1
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Jun 06 09:06:34 2007
Quant Method : C:\msdchem\1\METHODS\Q053007T.m
Quant Title : TO15 by GCMS w/DB-1 60 m X .25 mm ID 1.0 um
QLast Update : Wed Jun 06 09:06:31 2007
Response via : Initial Calibration





TIC: Q3627.D\data.ms

(56) m,p-XYLENE (m)

15.303min (-0.032) 1.02PPBV

response 14153

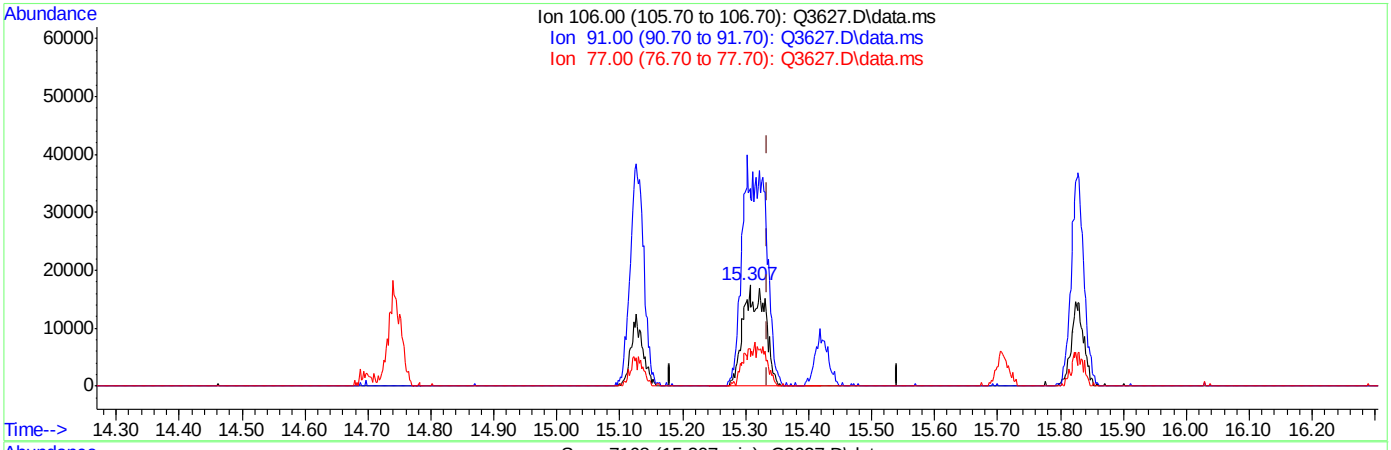
Ion	Exp%	Act%
106.00	100	100
91.00	204.20	266.92#
77.00	30.60	30.80
0.00	0.00	0.00

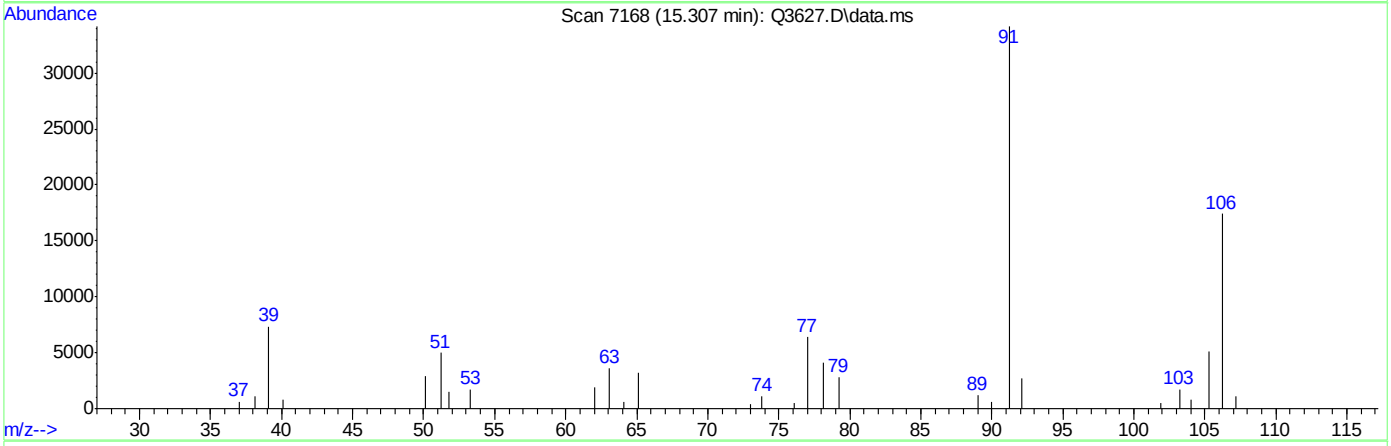
ACCUTEST Laboratories M65137

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\
Data File : Q3627.D
Acq On : 5 Jun 2007 6:41 pm
Operator : PhilipB
Sample : IC197-2 (M109)
Misc : MS13684, MSQ197,,,,,1
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Jun 06 09:06:34 2007
Quant Method : C:\msdchem\1\METHODS\Q053007T.m
Quant Title : TO15 by GCMS w/DB-1 60 m X .25 mm ID 1.0 um
QLast Update : Wed Jun 06 09:06:31 2007
Response via : Initial Calibration





TIC: Q3627.D\data.ms

(56) m,p-XYLENE (m)

15.307min (-0.028) 3.09PPBV m

response 42761

Ion	Exp%	Act%
106.00	100	100
91.00	204.20	196.01
77.00	30.60	36.56
0.00	0.00	0.00

Q3628.D

Manual Integrations APPROVED (compounds with "m" flag)

Doug Yargeau 06/08/07 12:42

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\
Data File : Q3628.D
Acq On : 5 Jun 2007 7:25 pm
Operator : PhilipB
Sample : IC197-.5 (M122)
Misc : MS13684, MSQ197,,,,,1
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Jun 06 09:09:36 2007
Quant Method : C:\msdchem\1\METHODS\Q053007T.m
Quant Title : TO15 by GCMS w/DB-1 60 m X .25 mm ID 1.0 um
QLast Update : Wed Jun 06 09:07:28 2007
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) BROMOCHLOROMETHANE	8.427	128	48570	10.00	PPBV	0.00
35) 1,4-DIFLUOROBENZENE	10.349	114	205818	10.00	PPBV	0.00
49) CHLOROBENZENE-D5	14.694	117	169653	10.00	PPBV	0.00

System Monitoring Compounds

61) 4-BROMOFLUOROBENZENE	16.332	95	80167	4.32	PPBV	0.00

Spiked Amount 5.000 Range 57 - 139 Recovery = 86.40%

Target Compounds						Qvalue
2) DICHLORODIFLUOROMETHANE	3.612	85	19931	0.32	PPBV	88
3) PROPYLENE	3.543	41	2167	0.34	PPBV #	63
4) FREON 114	3.875	85	14464	0.29	PPBV #	100
5) CHLOROMETHANE	3.776	50	3114	0.35	PPBV	90
6) VINYL CHLORIDE	4.005	62	2983	0.30	PPBV #	66
7) 1,3-BUTADIENE	4.143	39	4183	0.38	PPBV #	100
8) BROMOMETHANE	4.411	94	4360	0.33	PPBV #	100
9) CHLOROETHANE	4.592	64	1413	0.31	PPBV	100
10) TRICHLOROFLUOROMETHANE	5.407	101	28292	0.37	PPBV #	100
11) ISOPROPYL ALCOHOL	5.469	45	9716	0.45	PPBV	77
12) ACETONE	5.222	43	12839	0.50	PPBV	82
13) PENTANE	5.783	42	5289	0.44	PPBV #	100
14) 1,1-DICHLOROETHYLENE	6.086	96	5947	0.40	PPBV #	50
15) CARBON DISULFIDE	6.543	76	14260	0.37	PPBV #	99
16) ETHANOL	4.691	45	1304	0.43	PPBV #	100
17) BROMOETHENE	4.960	106	5061	0.36	PPBV #	100
18) METHYLENE CHLORIDE	6.209	84	11712	0.89	PPBV #	1
19) 3-CHLOROPROPENE	6.340	39	8221	0.46	PPBV #	49
20) FREON 113	6.486	151	18599	0.40	PPBV #	100
21) TRANS-1,2-DICHLOROETHY...	7.192	96	5849	0.37	PPBV #	100
22) TERTIARY BUTYL ALCOHOL	6.117	59	11896	0.41	PPBV	100
23) METHYL TERTIARY BUTYL ...	7.467	73	17070	0.48	PPBV #	100
24) TETRAHYDROFURAN	8.978	42	2113	0.26	PPBV #	100
25) HEXANE	8.470	57	3764	0.40	PPBV #	100
26) VINYL ACETATE	7.547	43	14095	0.45	PPBV	84
27) 1,1-DICHLOROETHANE	7.402	63	11516	0.46	PPBV #	100
28) METHYL ETHYL KETONE	7.813	43	7191	0.38	PPBV	80
29) cis-1,2-DICHLOROETHYLENE	8.266	96	2371	0.33	PPBV #	100
30) ETHYL ACETATE	8.479	43	11395	0.37	PPBV #	100
31) CHLOROFORM	8.561	83	11489	0.44	PPBV #	100
32) 1,1,1-TRICHLOROETHANE	9.554	97	12355	0.38	PPBV	94
33) CARBON TETRACHLORIDE	10.165	117	15791	0.39	PPBV	92
34) 1,2-DICHLOROETHANE	9.306	62	8218	0.37	PPBV #	95
36) BENZENE	10.018	78	6825	0.36	PPBV	90
37) CYCLOHEXANE	10.294	84	1944	0.30	PPBV #	69
38) TRICHLOROETHYLENE	11.052	95	4440	0.31	PPBV #	85
39) 1,2-DICHLOROPROPANE	10.827	63	3012m	0.39	PPBV	
40) BROMODICHLOROMETHANE	11.017	83	10688	0.37	PPBV	96
41) 2,2,4-TRIMETHYLPENTANE	11.075	57	11905	0.37	PPBV	96
42) 1,4-DIOXANE	11.065	88	813m	0.21	PPBV	
43) HEPTANE	11.333	43	5173m	0.38	PPBV	

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\
Data File : Q3628.D
Acq On : 5 Jun 2007 7:25 pm
Operator : PhilipB
Sample : IC197-.5 (M122)
Misc : MS13684, MSQ197,,,,,1
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Jun 06 09:09:36 2007
Quant Method : C:\msdchem\1\METHODS\Q053007T.m
Quant Title : TO15 by GCMS w/DB-1 60 m X .25 mm ID 1.0 um
QLast Update : Wed Jun 06 09:07:28 2007
Response via : Initial Calibration

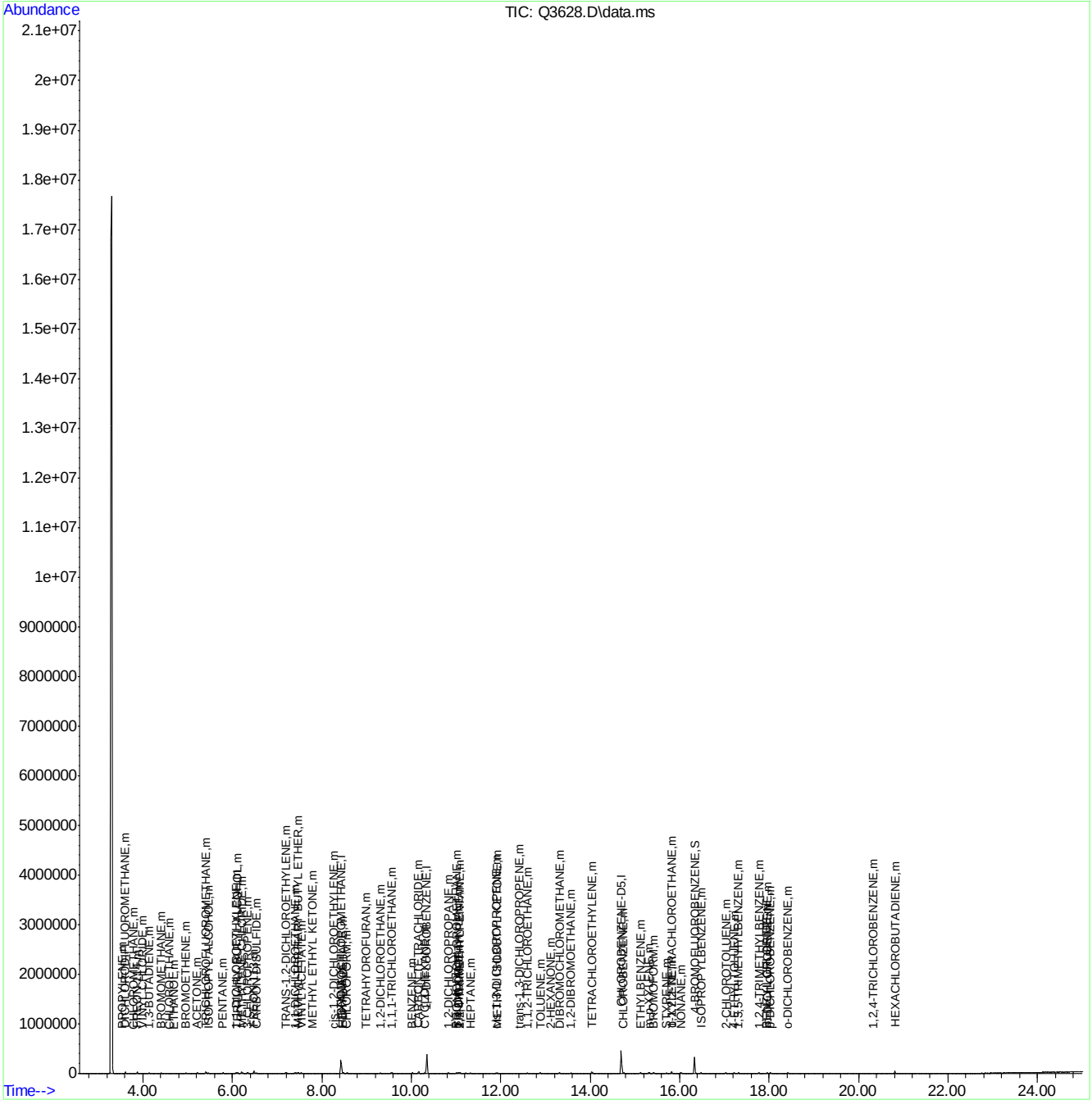
Internal Standards	R.T.	QIon	Response	Conc Units	Dev(Min)
44) METHYL ISOBUTYL KETONE	11.934	43	6096	0.27 PPBV #	78
45) cis-1,3-DICHLOROPROPENE	11.904	75	3864	0.28 PPBV	90
46) TOLUENE	12.877	92	4264	0.28 PPBV	94
47) trans-1,3-DICHLOROPROPENE	12.415	75	3420	0.20 PPBV #	90
48) 1,1,2-TRICHLOROETHANE	12.596	83	2902	0.33 PPBV #	86
50) 2-HEXANONE	13.127	43	4754	0.25 PPBV #	65
51) TETRACHLOROETHYLENE	14.032	164	4875	0.36 PPBV #	46
52) DIBROMOCHLOROMETHANE	13.319	129	9635	0.35 PPBV	85
53) 1,2-DIBROMOETHANE	13.569	107	5993	0.34 PPBV #	87
54) CHLOROBENZENE	14.737	112	6922	0.34 PPBV #	80
55) ETHYLBENZENE	15.127	91	9570	0.27 PPBV	95
56) m,p-XYLENE	15.326	106	7287m	0.53 PPBV	
57) o-XYLENE	15.828	106	3799m	0.24 PPBV	
58) STYRENE	15.704	104	3838m	0.18 PPBV	
59) NONANE	16.031	43	6089	0.25 PPBV #	68
60) BROMOFORM	15.422	173	8066	0.26 PPBV #	69
62) 1,1,2,2-TETRACHLOROETHANE	15.814	83	7102	0.28 PPBV	95
63) ISOPROPYLBENZENE	16.480	105	12544	0.25 PPBV	89
64) 2-CHLOROTOLUENE	17.024	91	8504m	0.21 PPBV	
65) 4-ETHYLTOLUENE	17.225	105	9539	0.18 PPBV	86
66) 1,3,5-TRIMETHYLBENZENE	17.310	105	10284	0.22 PPBV #	59
67) 1,2,4-TRIMETHYLBENZENE	17.777	105	8460	0.17 PPBV #	62
68) m-DICHLOROBENZENE	17.956	146	6541	0.18 PPBV	81
69) BENZYL CHLORIDE	17.935	91	5508	0.15 PPBV	94
70) p-DICHLOROBENZENE	18.029	146	5805	0.16 PPBV	99
71) o-DICHLOROBENZENE	18.416	146	5637	0.16 PPBV	93
72) HEXACHLOROBUTADIENE	20.821	225	4892	0.26 PPBV	90
73) 1,2,4-TRICHLOROBENZENE	20.325	180	1665m	0.16 PPBV	

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

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\
Data File : Q3628.D
Acq On : 5 Jun 2007 7:25 pm
Operator : PhilipB
Sample : IC197-.5 (M122)
Misc : MS13684, MSQ197,,,,,1
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Jun 06 09:09:36 2007
Quant Method : C:\msdchem\1\METHODS\Q053007T.m
Quant Title : TO15 by GCMS w/DB-1 60 m X .25 mm ID 1.0 um
QLast Update : Wed Jun 06 09:07:28 2007
Response via : Initial Calibration

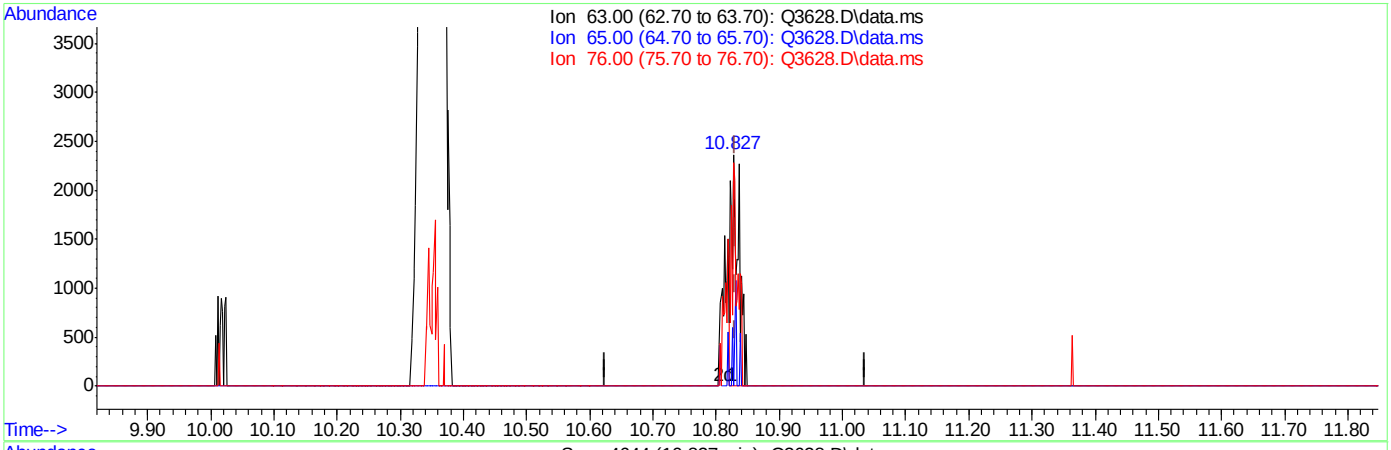


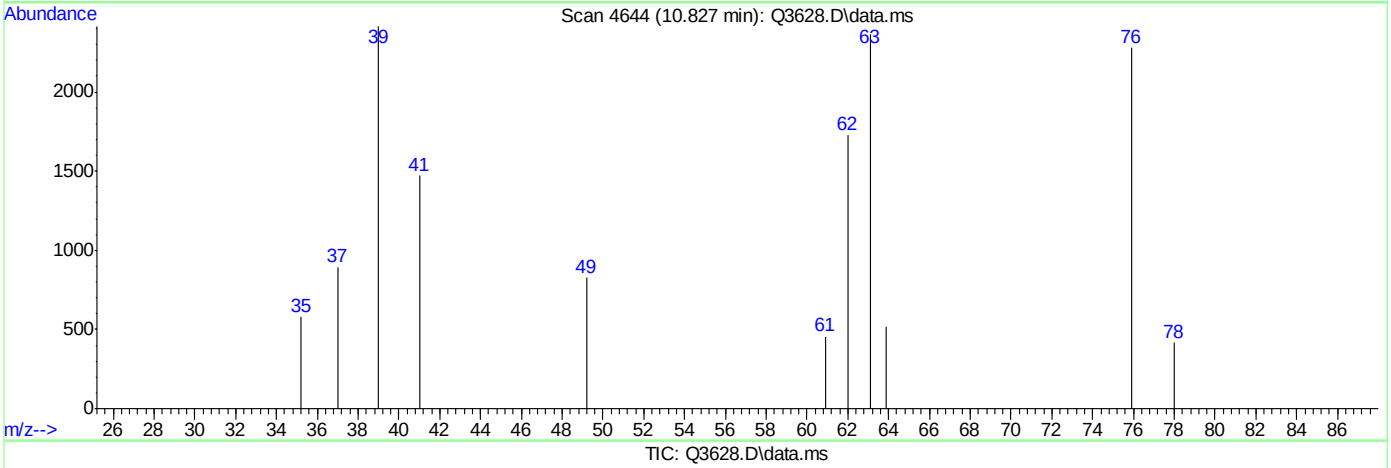
Q053007T.m Wed Jun 06 09:09:40 2007 RPT1 Page: 3

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\
Data File : Q3628.D
Acq On : 5 Jun 2007 7:25 pm
Operator : PhilipB
Sample : IC197-.5 (M122)
Misc : MS13684, MSQ197,,,,,1
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Jun 06 09:07:39 2007
Quant Method : C:\msdchem\1\METHODS\Q053007T.m
Quant Title : TO15 by GCMS w/DB-1 60 m X .25 mm ID 1.0 um
QLast Update : Wed Jun 06 09:07:28 2007
Response via : Initial Calibration





TIC: Q3628.D\data.ms

(39) 1,2-DICHLOROPROPANE (m)

10.827min (-0.004) 0.26PPBV

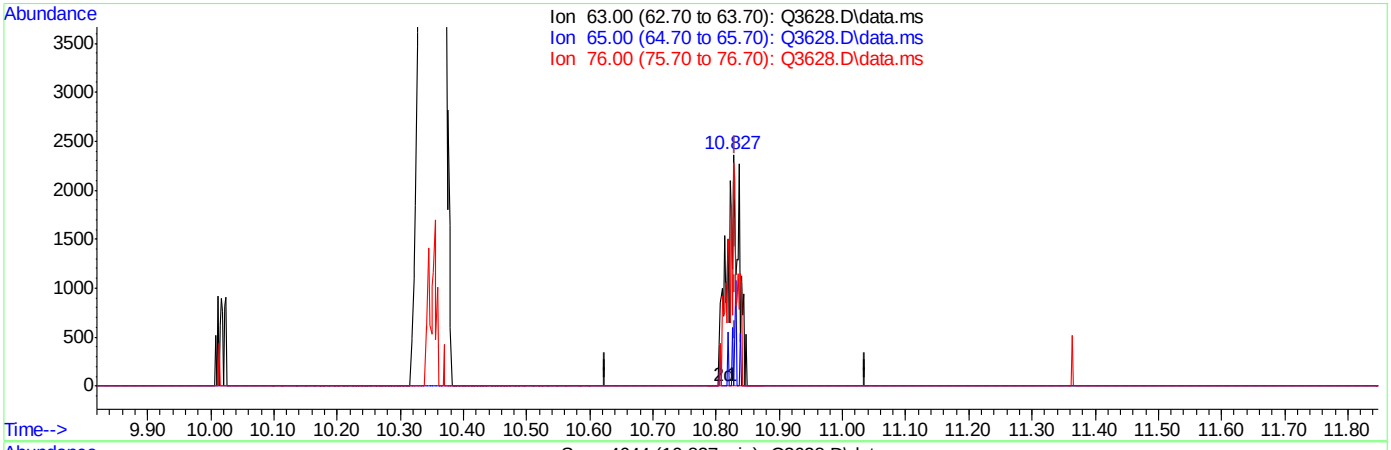
response 1996

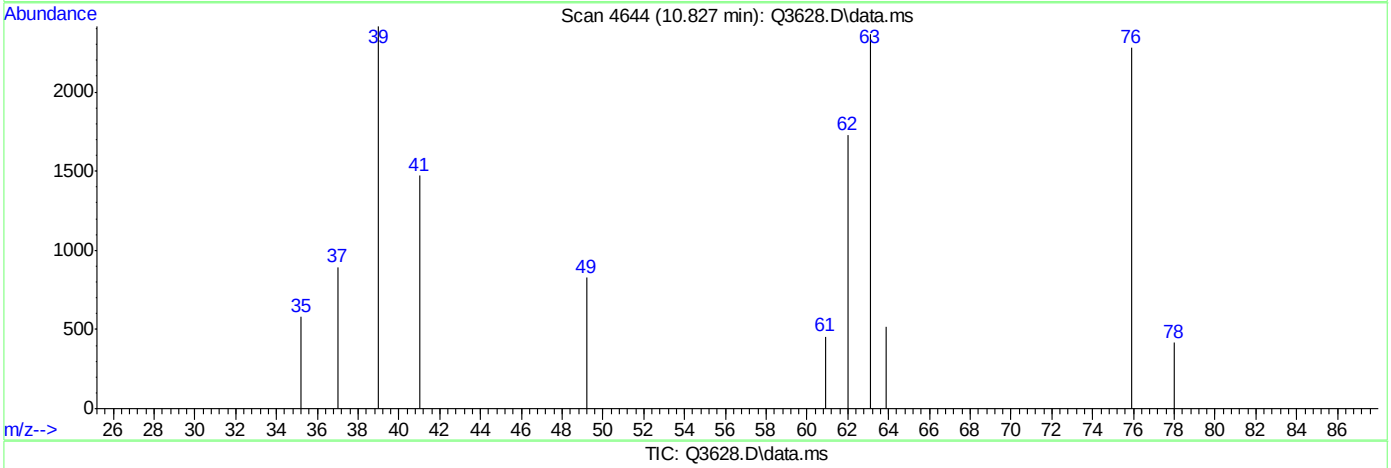
Ion	Exp%	Act%
63.00	100	100
65.00	30.30	14.73
76.00	92.00	110.67
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\
Data File : Q3628.D
Acq On : 5 Jun 2007 7:25 pm
Operator : PhilipB
Sample : IC197-.5 (M122)
Misc : MS13684, MSQ197,,,,,1
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Jun 06 09:07:39 2007
Quant Method : C:\msdchem\1\METHODS\Q053007T.m
Quant Title : TO15 by GCMS w/DB-1 60 m X .25 mm ID 1.0 um
QLast Update : Wed Jun 06 09:07:28 2007
Response via : Initial Calibration





TIC: Q3628.D\data.ms

(39) 1,2-DICHLOROPROPANE (m)

10.827min (-0.004) 0.39PPBV m

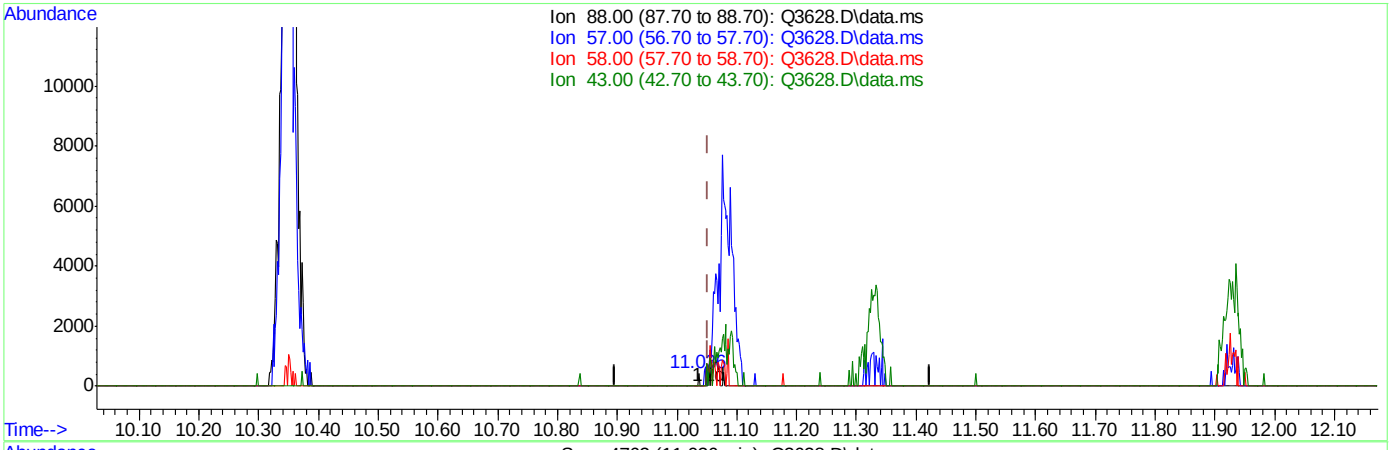
response 3012

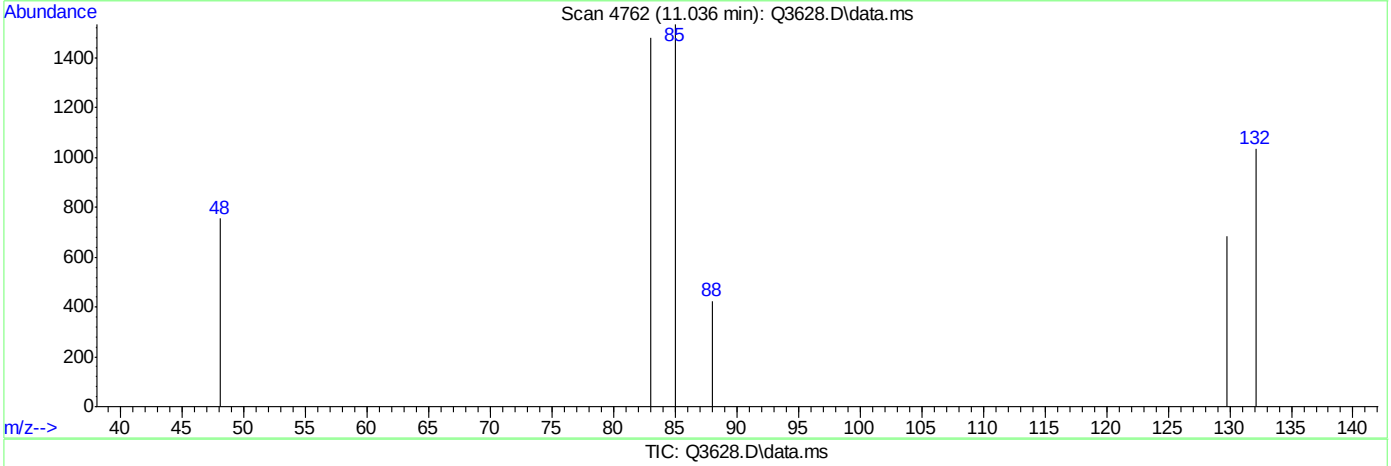
Ion	Exp%	Act%
63.00	100	100
65.00	30.30	9.76#
76.00	92.00	73.34
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\
Data File : Q3628.D
Acq On : 5 Jun 2007 7:25 pm
Operator : PhilipB
Sample : IC197-.5 (M122)
Misc : MS13684, MSQ197,,,,,1
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Jun 06 09:07:39 2007
Quant Method : C:\msdchem\1\METHODS\Q053007T.m
Quant Title : TO15 by GCMS w/DB-1 60 m X .25 mm ID 1.0 um
QLast Update : Wed Jun 06 09:07:28 2007
Response via : Initial Calibration





TIC: Q3628.D\data.ms

(42) 1,4-DIOXANE (m)

11.036min (-0.016) 0.01PPBV

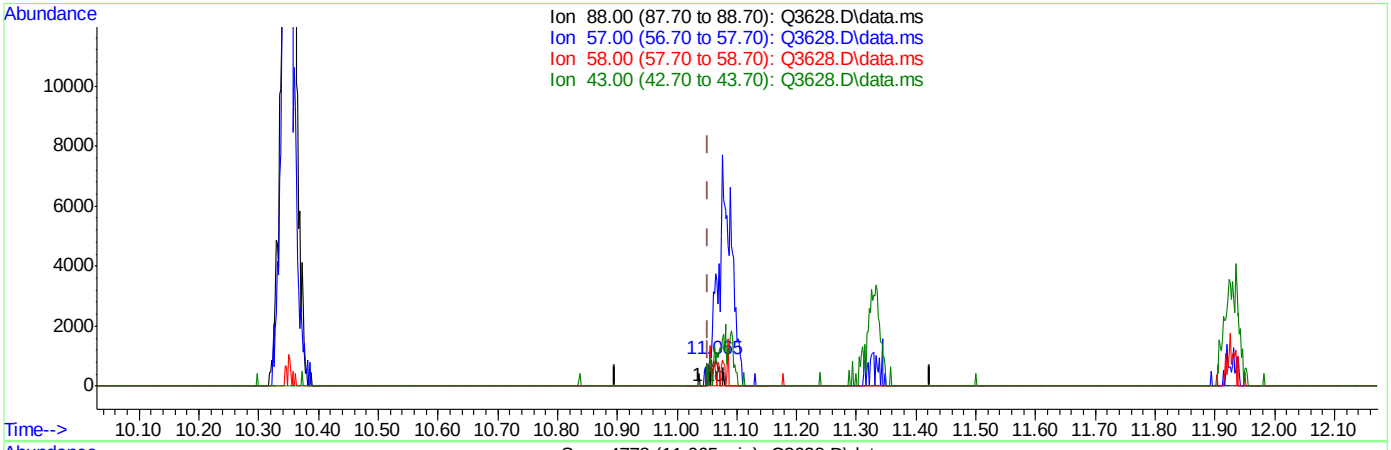
response 45

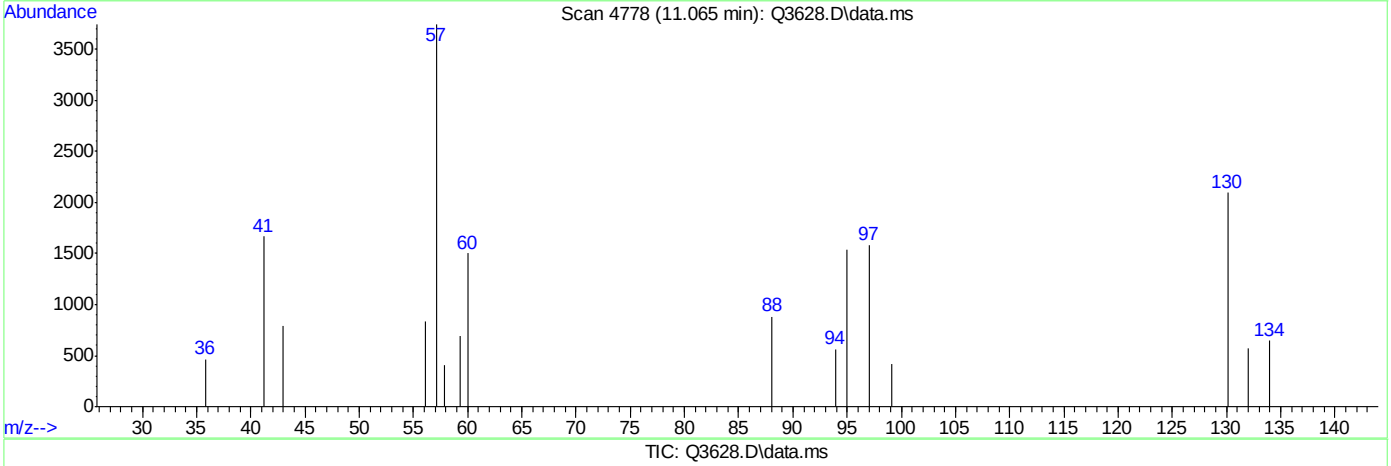
Ion	Exp%	Act%
88.00	100	100
57.00	23.90	0.00#
58.00	54.80	0.00#
43.00	32.10	0.00#

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\
Data File : Q3628.D
Acq On : 5 Jun 2007 7:25 pm
Operator : PhilipB
Sample : IC197-.5 (M122)
Misc : MS13684, MSQ197,,,,,1
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Jun 06 09:07:39 2007
Quant Method : C:\msdchem\1\METHODS\Q053007T.m
Quant Title : TO15 by GCMS w/DB-1 60 m X .25 mm ID 1.0 um
QLast Update : Wed Jun 06 09:07:28 2007
Response via : Initial Calibration





TIC: Q3628.D\data.ms

(42) 1,4-DIOXANE (m)

11.065min (+0.012) 0.21PPBV m

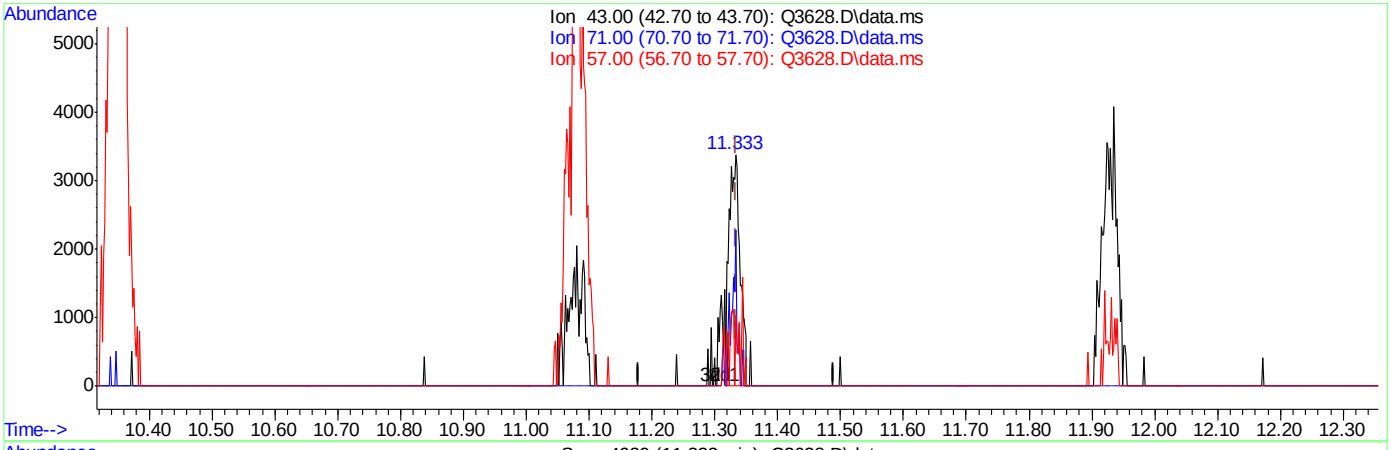
response 813

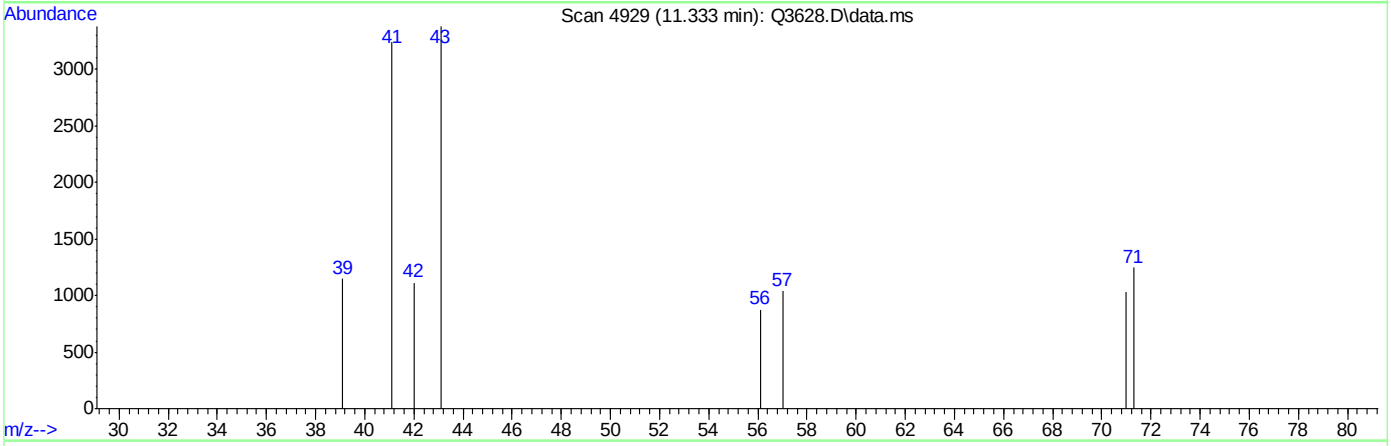
Ion	Exp%	Act%
88.00	100	100
57.00	23.90	425.68#
58.00	54.80	46.59
43.00	32.10	89.55#

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\
Data File : Q3628.D
Acq On : 5 Jun 2007 7:25 pm
Operator : PhilipB
Sample : IC197-.5 (M122)
Misc : MS13684, MSQ197,,,,,1
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Jun 06 09:07:39 2007
Quant Method : C:\msdchem\1\METHODS\Q053007T.m
Quant Title : TO15 by GCMS w/DB-1 60 m X .25 mm ID 1.0 um
QLast Update : Wed Jun 06 09:07:28 2007
Response via : Initial Calibration





TIC: Q3628.D\data.ms

(43) HEPTANE (m)

11.333min (-0.002) 0.30PPBV

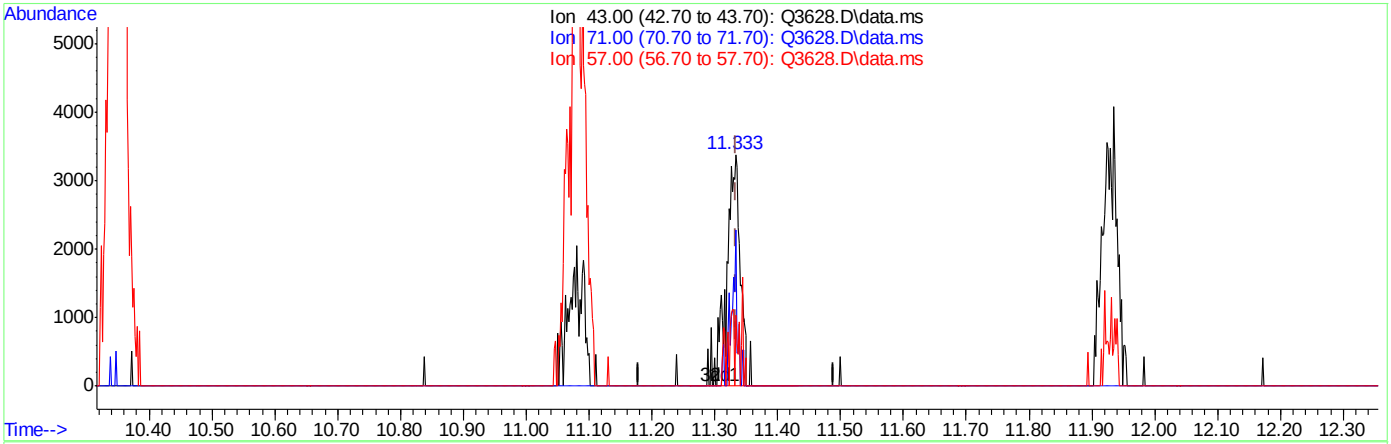
response 4114

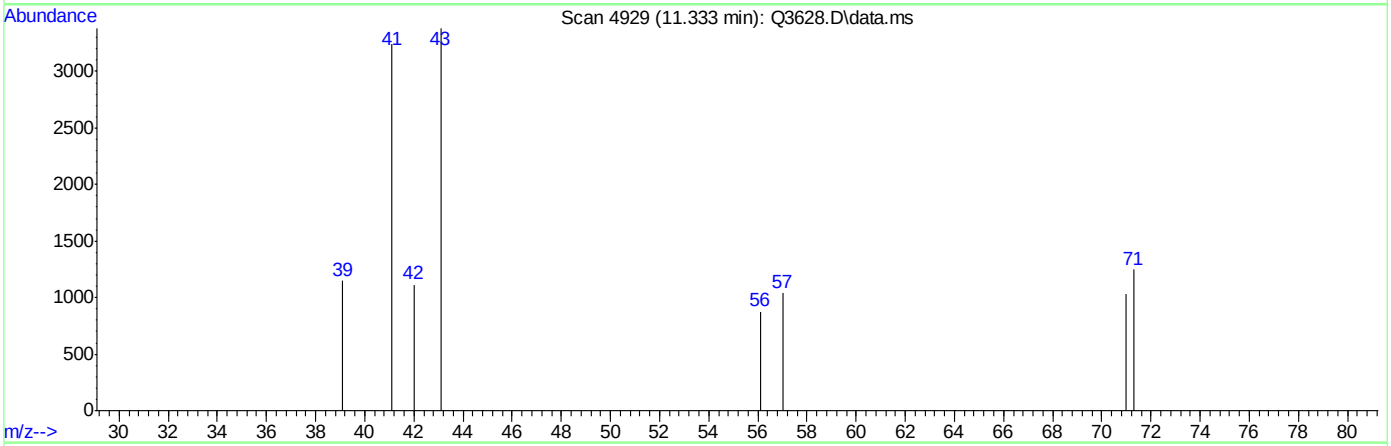
Ion	Exp%	Act%
43.00	100	100
71.00	52.40	36.56
57.00	48.00	19.88#
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\
Data File : Q3628.D
Acq On : 5 Jun 2007 7:25 pm
Operator : PhilipB
Sample : IC197-.5 (M122)
Misc : MS13684, MSQ197,,,,,1
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Jun 06 09:07:39 2007
Quant Method : C:\msdchem\1\METHODS\Q053007T.m
Quant Title : TO15 by GCMS w/DB-1 60 m X .25 mm ID 1.0 um
QLast Update : Wed Jun 06 09:07:28 2007
Response via : Initial Calibration





TIC: Q3628.D\data.ms

(43) HEPTANE (m)

11.333min (-0.002) 0.38PPBV m

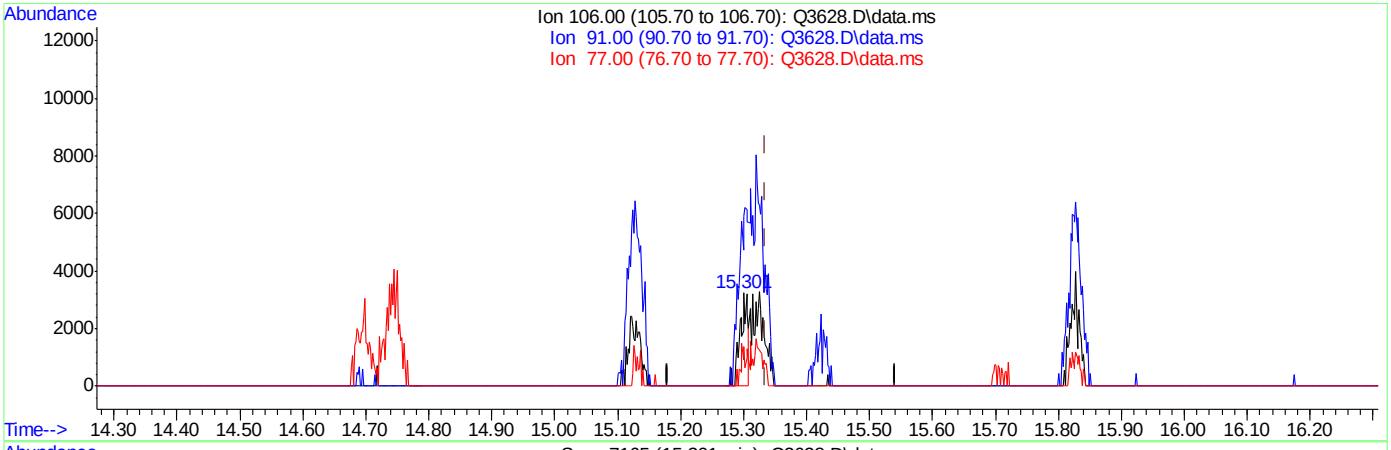
response 5173

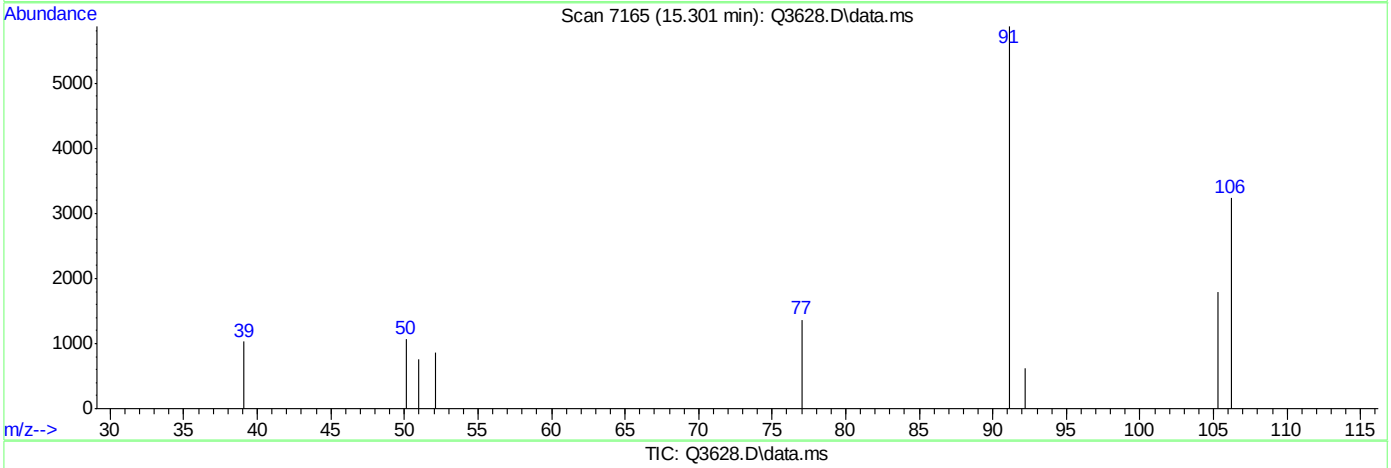
Ion	Exp%	Act%
43.00	100	100
71.00	52.40	29.07#
57.00	48.00	15.81#
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\
Data File : Q3628.D
Acq On : 5 Jun 2007 7:25 pm
Operator : PhilipB
Sample : IC197-.5 (M122)
Misc : MS13684, MSQ197,,,,,1
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Jun 06 09:07:39 2007
Quant Method : C:\msdchem\1\METHODS\Q053007T.m
Quant Title : TO15 by GCMS w/DB-1 60 m X .25 mm ID 1.0 um
QLast Update : Wed Jun 06 09:07:28 2007
Response via : Initial Calibration





TIC: Q3628.D\data.ms

(56) m,p-XYLENE (m)

15.301min (-0.034) 0.21PPBV

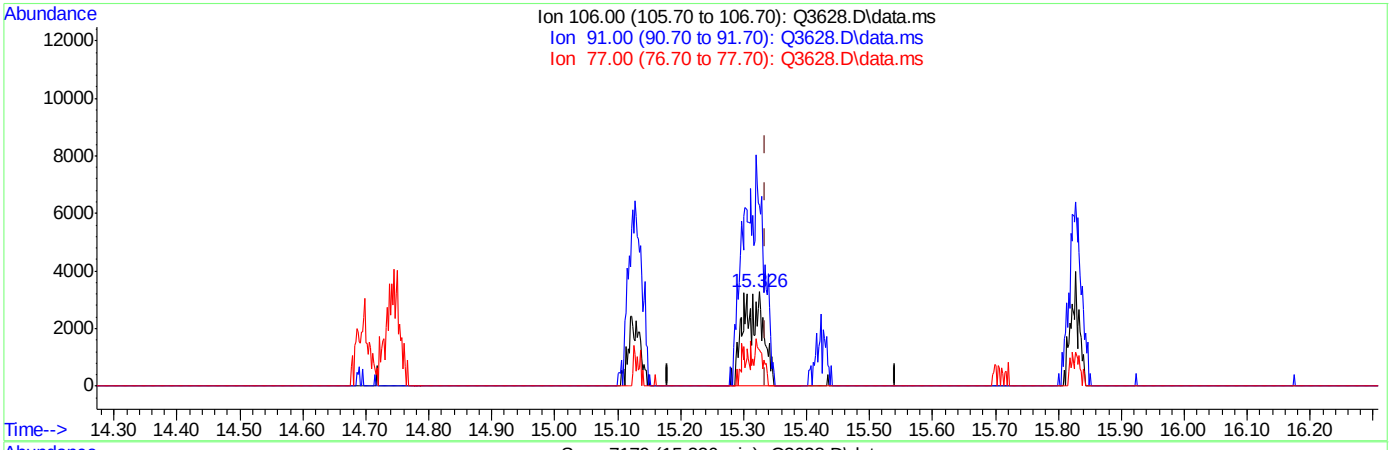
response 2885

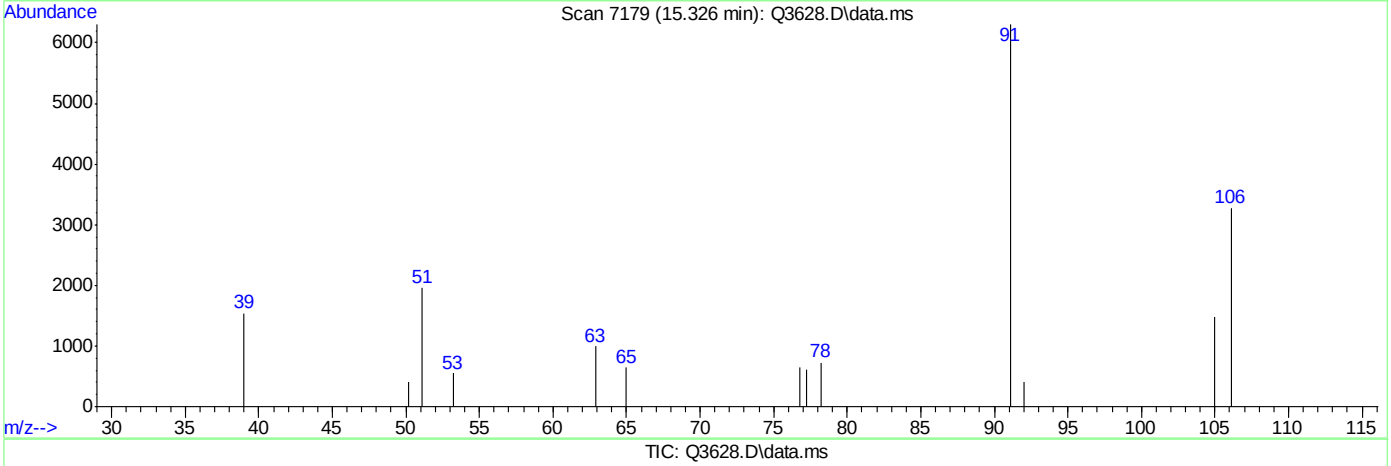
Ion	Exp%	Act%
106.00	100	100
91.00	204.20	181.47
77.00	30.60	42.16#
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\
Data File : Q3628.D
Acq On : 5 Jun 2007 7:25 pm
Operator : PhilipB
Sample : IC197-.5 (M122)
Misc : MS13684, MSQ197,,,,,1
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Jun 06 09:07:39 2007
Quant Method : C:\msdchem\1\METHODS\Q053007T.m
Quant Title : TO15 by GCMS w/DB-1 60 m X .25 mm ID 1.0 um
QLast Update : Wed Jun 06 09:07:28 2007
Response via : Initial Calibration





TIC: Q3628.D\data.ms

(56) m,p-XYLENE (m)

15.326min (-0.009) 0.53PPBV m

response 7287

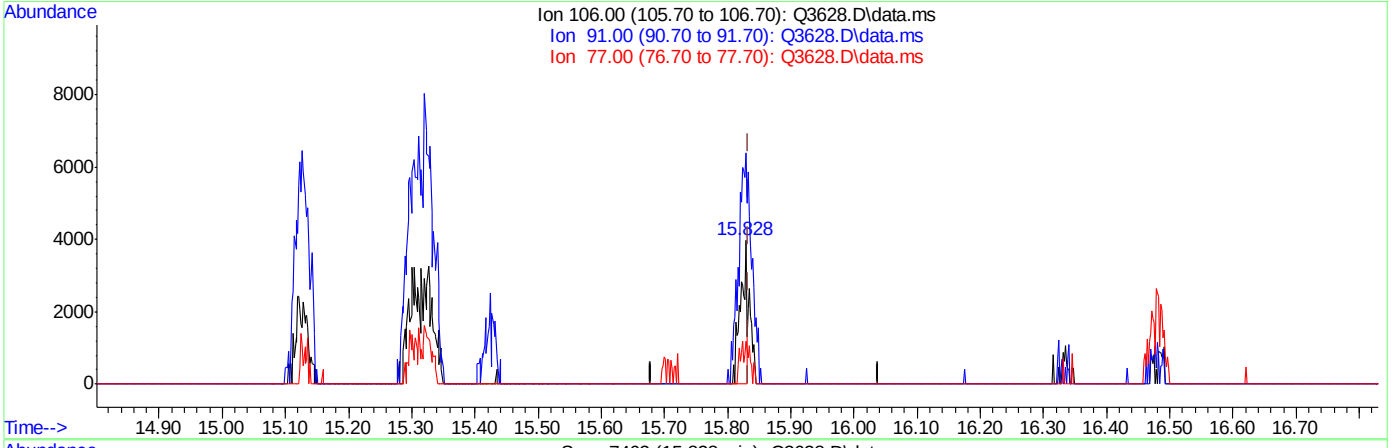
Ion	Exp%	Act%
106.00	100	100
91.00	204.20	192.52
77.00	30.60	19.85#
0.00	0.00	0.00

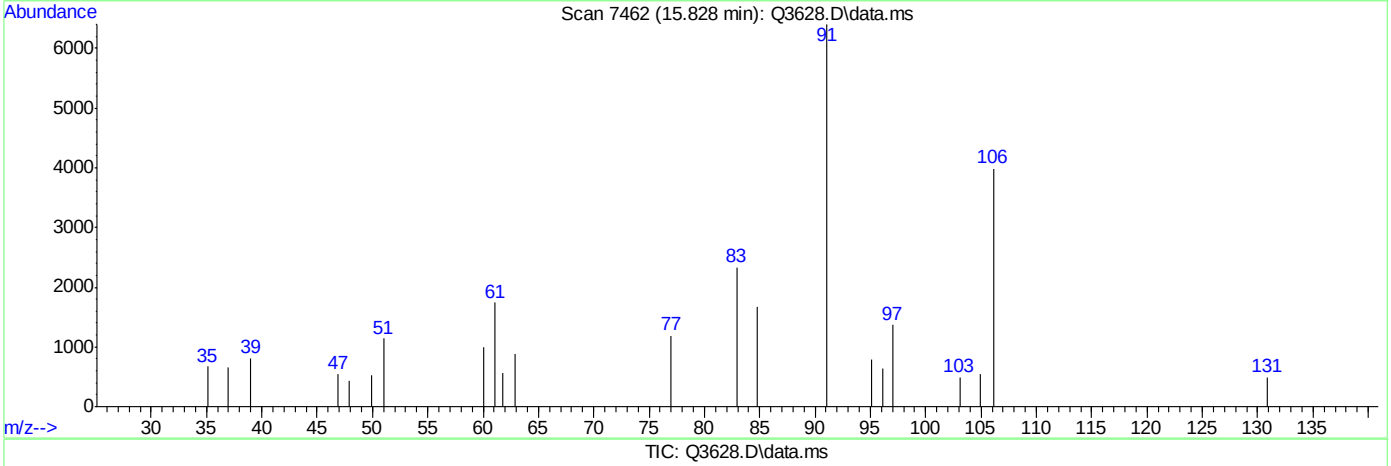
ACCUTEST Laboratories M65137

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\
Data File : Q3628.D
Acq On : 5 Jun 2007 7:25 pm
Operator : PhilipB
Sample : IC197-.5 (M122)
Misc : MS13684, MSQ197,,,,,1
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Jun 06 09:07:39 2007
Quant Method : C:\msdchem\1\METHODS\Q053007T.m
Quant Title : TO15 by GCMS w/DB-1 60 m X .25 mm ID 1.0 um
QLast Update : Wed Jun 06 09:07:28 2007
Response via : Initial Calibration





TIC: Q3628.D\data.ms

(57) o-XYLENE (m)

15.828min (-0.005) 0.17PPBV

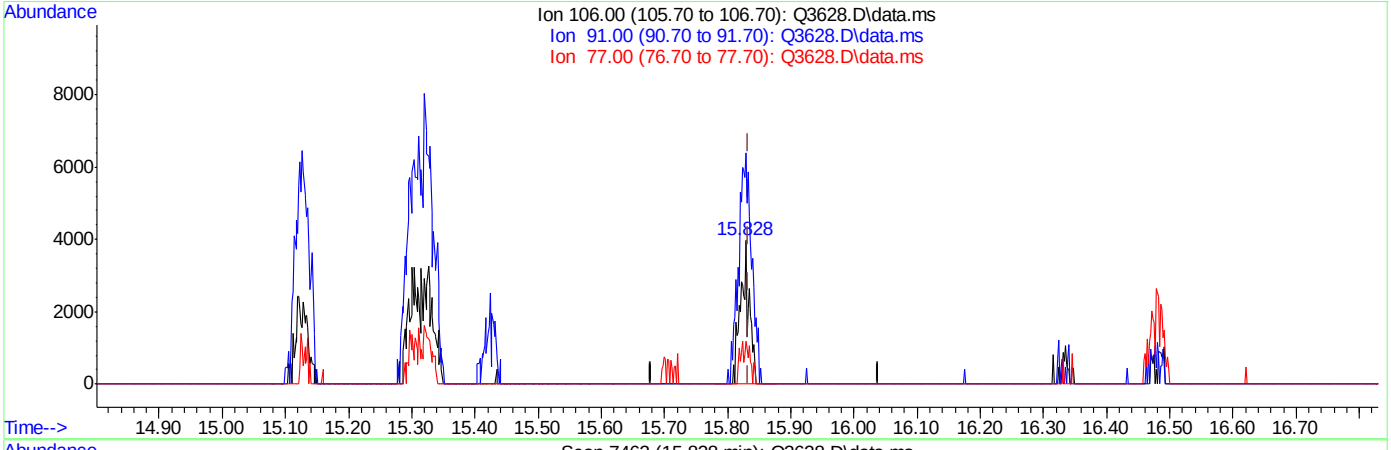
response 2646

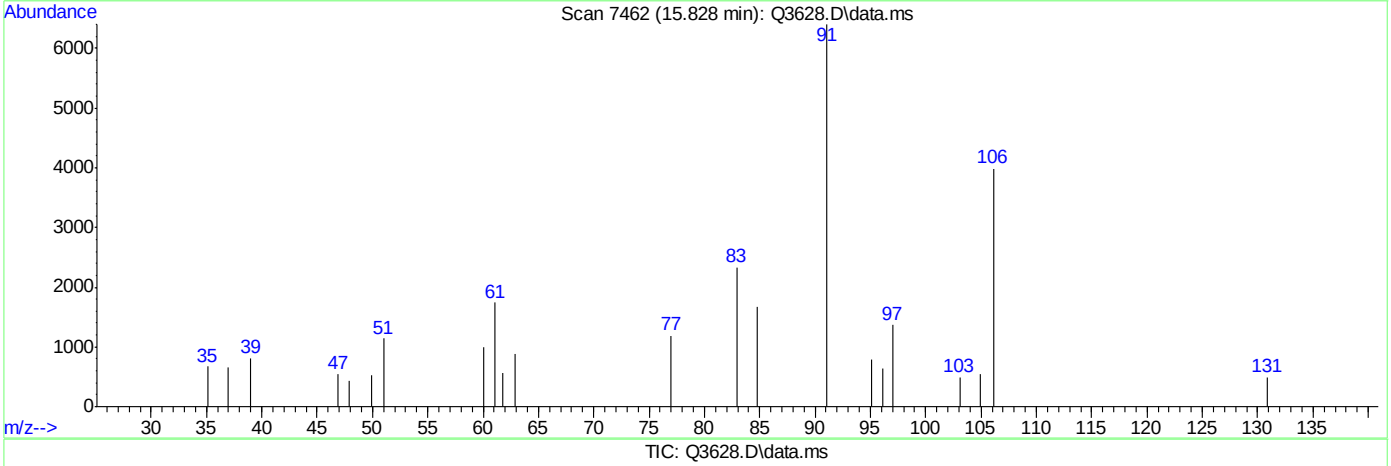
Ion	Exp%	Act%
106.00	100	100
91.00	223.70	347.01#
77.00	30.00	47.47
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\
Data File : Q3628.D
Acq On : 5 Jun 2007 7:25 pm
Operator : PhilipB
Sample : IC197-.5 (M122)
Misc : MS13684, MSQ197,,,,,1
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Jun 06 09:07:39 2007
Quant Method : C:\msdchem\1\METHODS\Q053007T.m
Quant Title : TO15 by GCMS w/DB-1 60 m X .25 mm ID 1.0 um
QLast Update : Wed Jun 06 09:07:28 2007
Response via : Initial Calibration





TIC: Q3628.D\data.ms

(57) o-XYLENE (m)

15.828min (-0.005) 0.24PPBV m

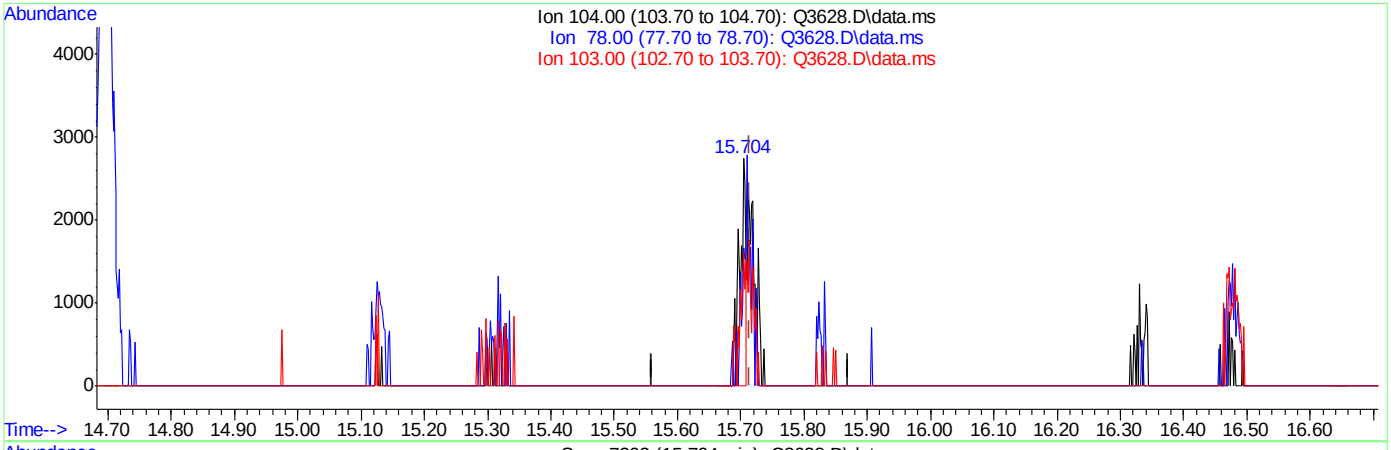
response 3799

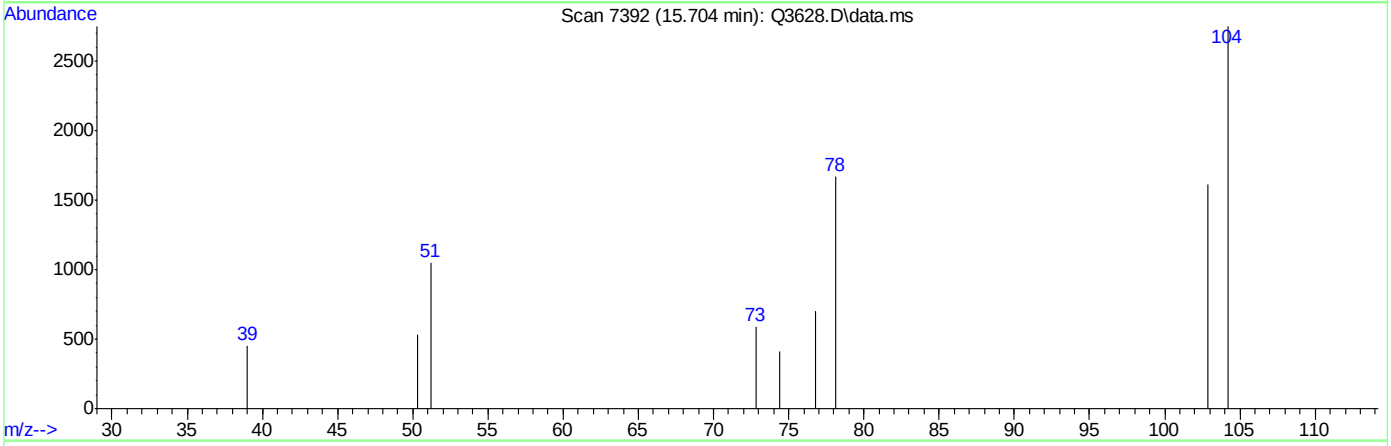
Ion	Exp%	Act%
106.00	100	100
91.00	223.70	241.70
77.00	30.00	33.06
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\
Data File : Q3628.D
Acq On : 5 Jun 2007 7:25 pm
Operator : PhilipB
Sample : IC197-.5 (M122)
Misc : MS13684, MSQ197,,,,,1
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Jun 06 09:07:39 2007
Quant Method : C:\msdchem\1\METHODS\Q053007T.m
Quant Title : TO15 by GCMS w/DB-1 60 m X .25 mm ID 1.0 um
QLast Update : Wed Jun 06 09:07:28 2007
Response via : Initial Calibration





TIC: Q3628.D\data.ms

(58) STYRENE (m)

15.704min (-0.011) 0.09PPBV

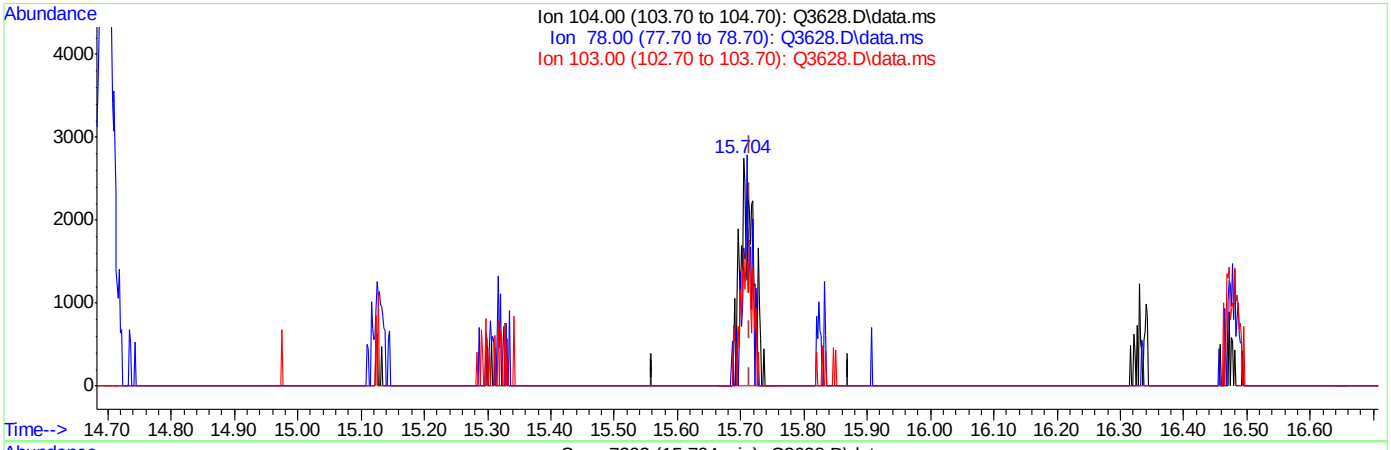
response 1781

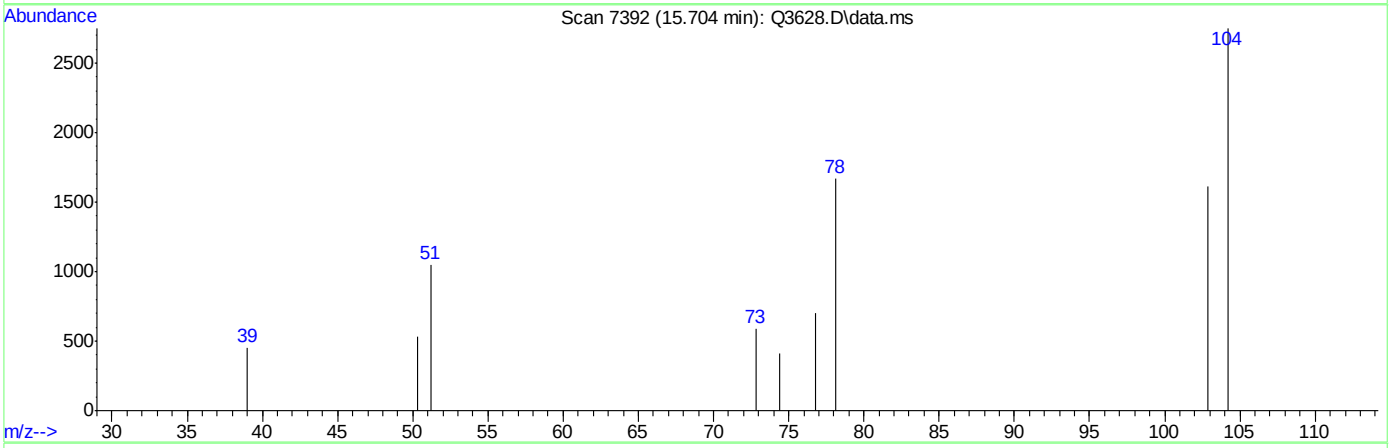
Ion	Exp%	Act%
104.00	100	100
78.00	55.00	84.39#
103.00	47.20	127.62#
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\
Data File : Q3628.D
Acq On : 5 Jun 2007 7:25 pm
Operator : PhilipB
Sample : IC197-.5 (M122)
Misc : MS13684, MSQ197,,,,,1
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Jun 06 09:07:39 2007
Quant Method : C:\msdchem\1\METHODS\Q053007T.m
Quant Title : TO15 by GCMS w/DB-1 60 m X .25 mm ID 1.0 um
QLast Update : Wed Jun 06 09:07:28 2007
Response via : Initial Calibration





TIC: Q3628.D\data.ms

(58) STYRENE (m)

15.704min (-0.011) 0.18PPBV m

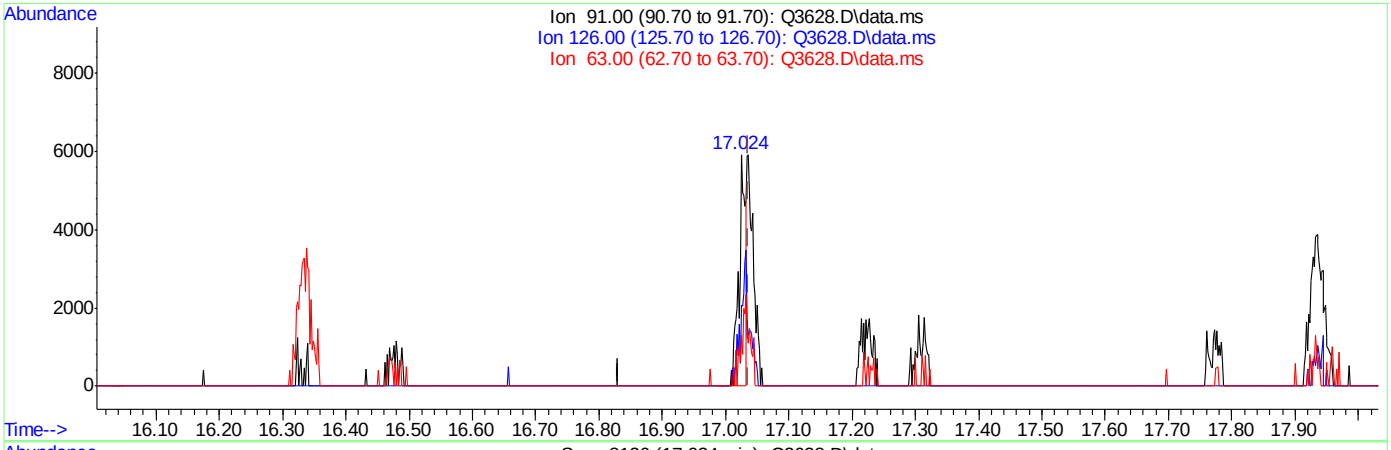
response 3838

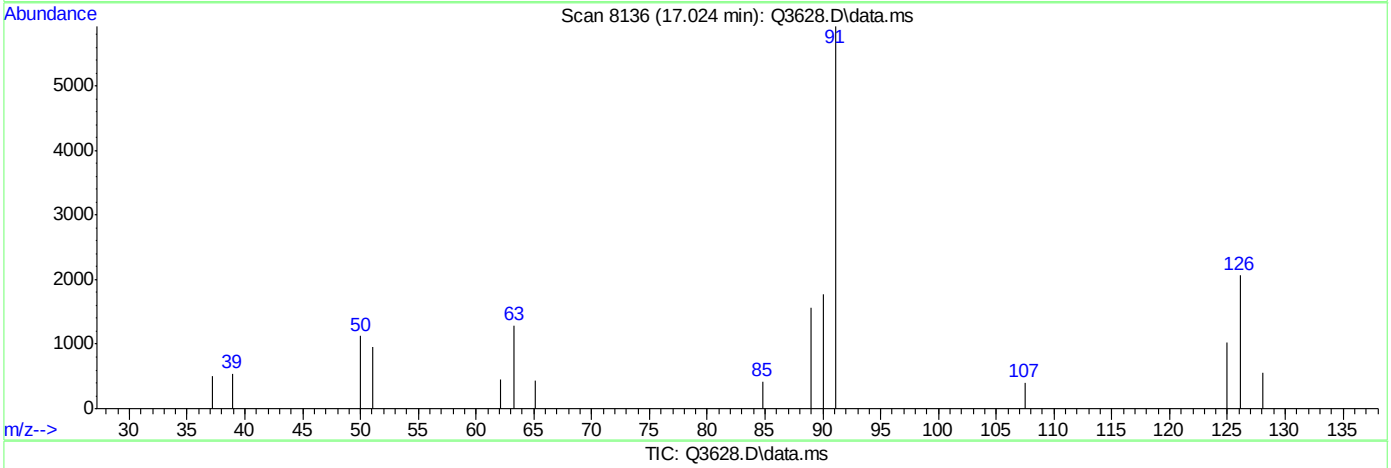
Ion	Exp%	Act%
104.00	100	100
78.00	55.00	39.16
103.00	47.20	59.22
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\
Data File : Q3628.D
Acq On : 5 Jun 2007 7:25 pm
Operator : PhilipB
Sample : IC197-.5 (M122)
Misc : MS13684, MSQ197,,,,,1
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Jun 06 09:07:39 2007
Quant Method : C:\msdchem\1\METHODS\Q053007T.m
Quant Title : TO15 by GCMS w/DB-1 60 m X .25 mm ID 1.0 um
QLast Update : Wed Jun 06 09:07:28 2007
Response via : Initial Calibration





TIC: Q3628.D\data.ms

(64) 2-CHLOROTOLUENE (m)

17.024min (-0.013) 0.11PPBV

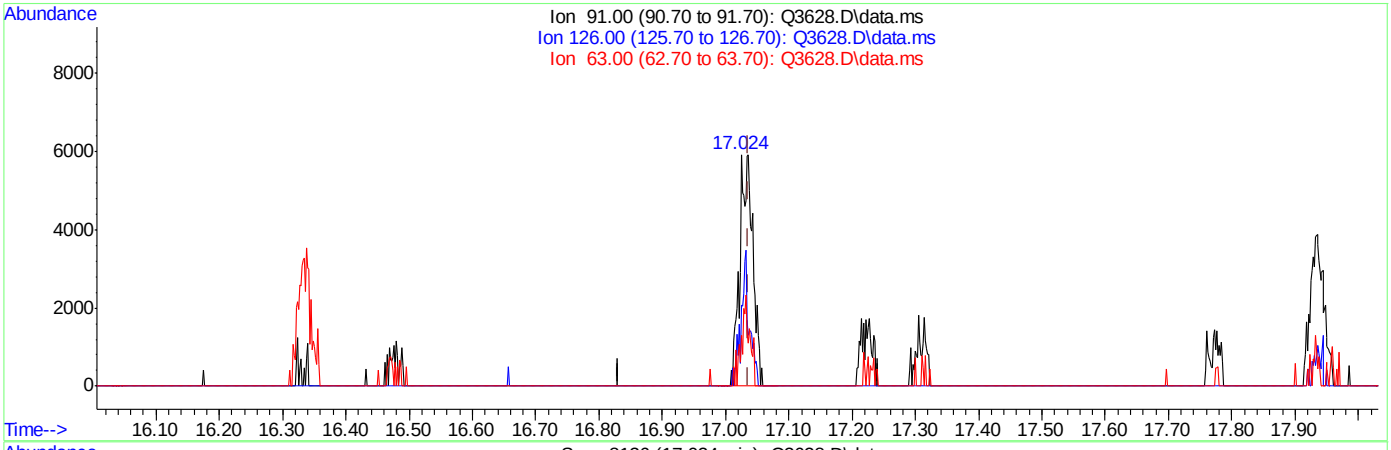
response 4203

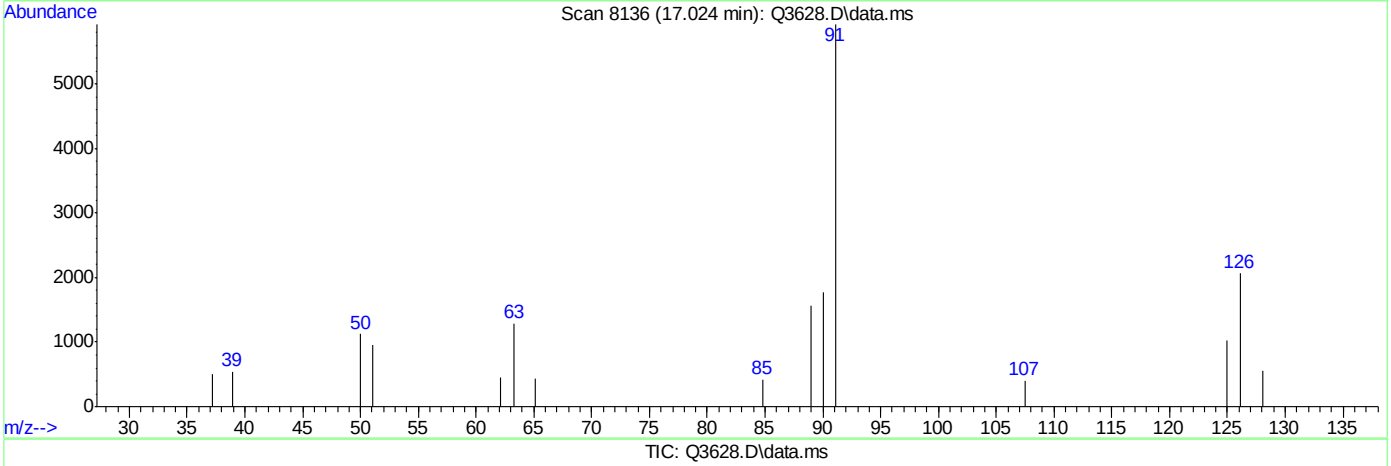
Ion	Exp%	Act%
91.00	100	100
126.00	36.10	75.14#
63.00	18.60	49.44#
0.00	0.00	0.00

Quantitation Report (Qedit)

```
Data Path : C:\msdchem\1\DATA\
Data File : Q3628.D
Acq On    :  5 Jun 2007   7:25 pm
Operator  : PhilipB
Sample    : IC197-.5 (M122)
Misc      : MS13684, MSQ197,,,,,1
ALS Vial  : 3   Sample Multiplier: 1

Quant Time: Jun 06 09:07:39 2007
Quant Method : C:\msdchem\1\METHODS\Q053007T.m
Quant Title  : TO15  by GCMS w/DB-1 60 m X .25 mm ID 1.0 um
QLast Update : Wed Jun 06 09:07:28 2007
Response via : Initial Calibration
```



TIC: Q3628.D\data.ms

(64) 2-CHLOROTOLUENE (m)

17.024min (-0.013) 0.21PPBV m

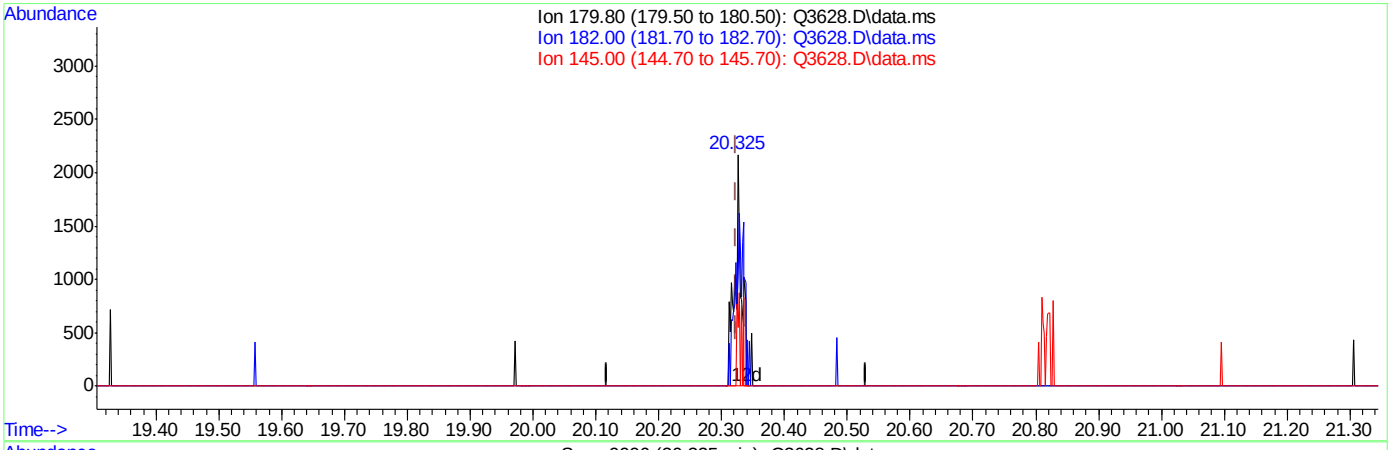
response 8504

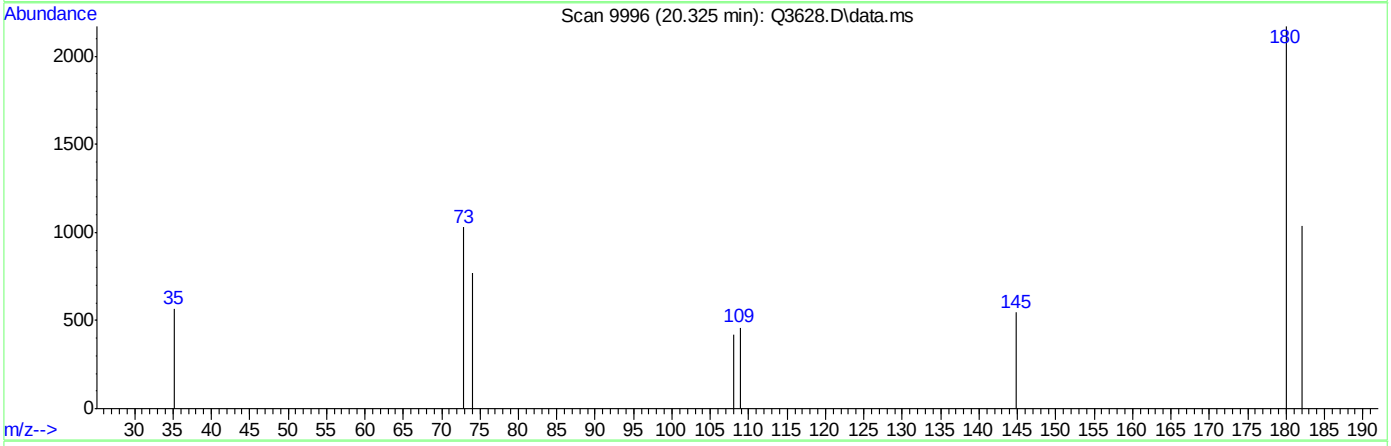
Ion	Exp%	Act%
91.00	100	100
126.00	36.10	37.14
63.00	18.60	24.44
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\
Data File : Q3628.D
Acq On : 5 Jun 2007 7:25 pm
Operator : PhilipB
Sample : IC197-.5 (M122)
Misc : MS13684, MSQ197,,,,,1
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Jun 06 09:07:39 2007
Quant Method : C:\msdchem\1\METHODS\Q053007T.m
Quant Title : TO15 by GCMS w/DB-1 60 m X .25 mm ID 1.0 um
QLast Update : Wed Jun 06 09:07:28 2007
Response via : Initial Calibration





TIC: Q3628.D\data.ms

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

20.325min (+0.002) 0.15PPBV

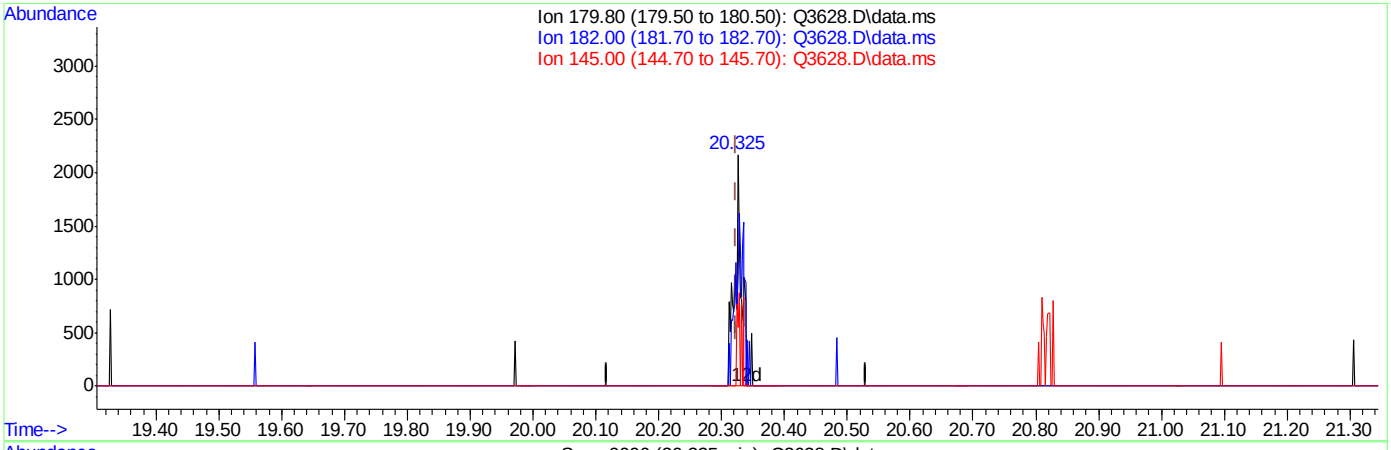
response 1611

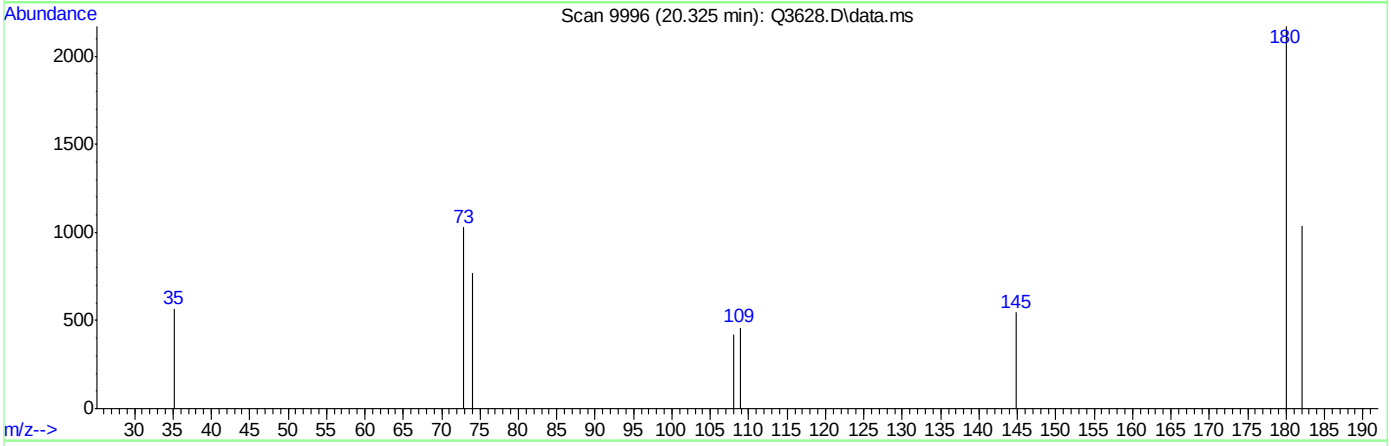
Ion	Exp%	Act%
179.80	100	100
182.00	91.20	102.79
145.00	35.30	25.08
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\
Data File : Q3628.D
Acq On : 5 Jun 2007 7:25 pm
Operator : PhilipB
Sample : IC197-.5 (M122)
Misc : MS13684, MSQ197,,,,,1
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Jun 06 09:07:39 2007
Quant Method : C:\msdchem\1\METHODS\Q053007T.m
Quant Title : TO15 by GCMS w/DB-1 60 m X .25 mm ID 1.0 um
QLast Update : Wed Jun 06 09:07:28 2007
Response via : Initial Calibration





TIC: Q3628.D\data.ms

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

20.325min (+0.002) 0.16PPBV m

response 1665

Ion	Exp%	Act%
179.80	100	100
182.00	91.20	99.46
145.00	35.30	24.26
0.00	0.00	0.00

Q3629.D

Manual Integrations
APPROVED
(compounds with "m" flag)

Doug Yargeau
06/08/07 12:42

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\
Data File : Q3629.D
Acq On : 5 Jun 2007 8:08 pm
Operator : PhilipB
Sample : IC197-.2 (M122)
Misc : MS13684, MSQ197,,,,,1
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Jun 06 14:55:15 2007
Quant Method : C:\msdchem\1\METHODS\Q053007T.m
Quant Title : TO15 by GCMS w/DB-1 60 m X .25 mm ID 1.0 um
QLast Update : Wed Jun 06 09:09:45 2007
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) BROMOCHLOROMETHANE	8.433	128	51070	10.00	PPBV	0.00
35) 1,4-DIFLUOROBENZENE	10.346	114	222957	10.00	PPBV	0.00
49) CHLOROBENZENE-D5	14.694	117	186647	10.00	PPBV	0.00
System Monitoring Compounds						
61) 4-BROMOFLUOROBENZENE	16.334	95	84272	4.21	PPBV	0.00
Spiked Amount 5.000	Range 57 - 139		Recovery = 84.20%			
Target Compounds						Qvalue
5) CHLOROMETHANE	3.778	50	1242	0.14	PPBV	95
6) VINYL CHLORIDE	4.001	62	1565m	0.16	PPBV	
9) CHLOROETHANE	4.592	64	604m	0.13	PPBV	
14) 1,1-DICHLOROETHYLENE	6.090	96	2547m	0.17	PPBV	
18) METHYLENE CHLORIDE	6.205	84	6465m	0.41	PPBV	
21) TRANS-1,2-DICHLOROETHY...	7.194	96	2510m	0.16	PPBV	
27) 1,1-DICHLOROETHANE	7.412	63	4807	0.18	PPBV	100
29) cis-1,2-DICHLOROETHYLENE	8.264	96	880m	0.12	PPBV	
31) CHLOROFORM	8.562	83	4843	0.18	PPBV #	100
32) 1,1,1-TRICHLOROETHANE	9.551	97	4925	0.15	PPBV	95
33) CARBON TETRACHLORIDE	10.165	117	6303	0.15	PPBV #	58
34) 1,2-DICHLOROETHANE	9.313	62	3618	0.16	PPBV #	62
38) TRICHLOROETHYLENE	11.049	95	1487m	0.10	PPBV	
46) TOLUENE	12.879	92	1538m	0.10	PPBV	
48) 1,1,2-TRICHLOROETHANE	12.595	83	895m	0.10	PPBV	
51) TETRACHLOROETHYLENE	14.027	164	2060	0.15	PPBV #	11
56) m,p-XYLENE	15.296	106	2820m	0.20	PPBV	
57) o-XYLENE	15.826	106	1511m	0.09	PPBV	
62) 1,1,2,2-TETRACHLOROETHANE	15.818	83	3629	0.14	PPBV	82

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

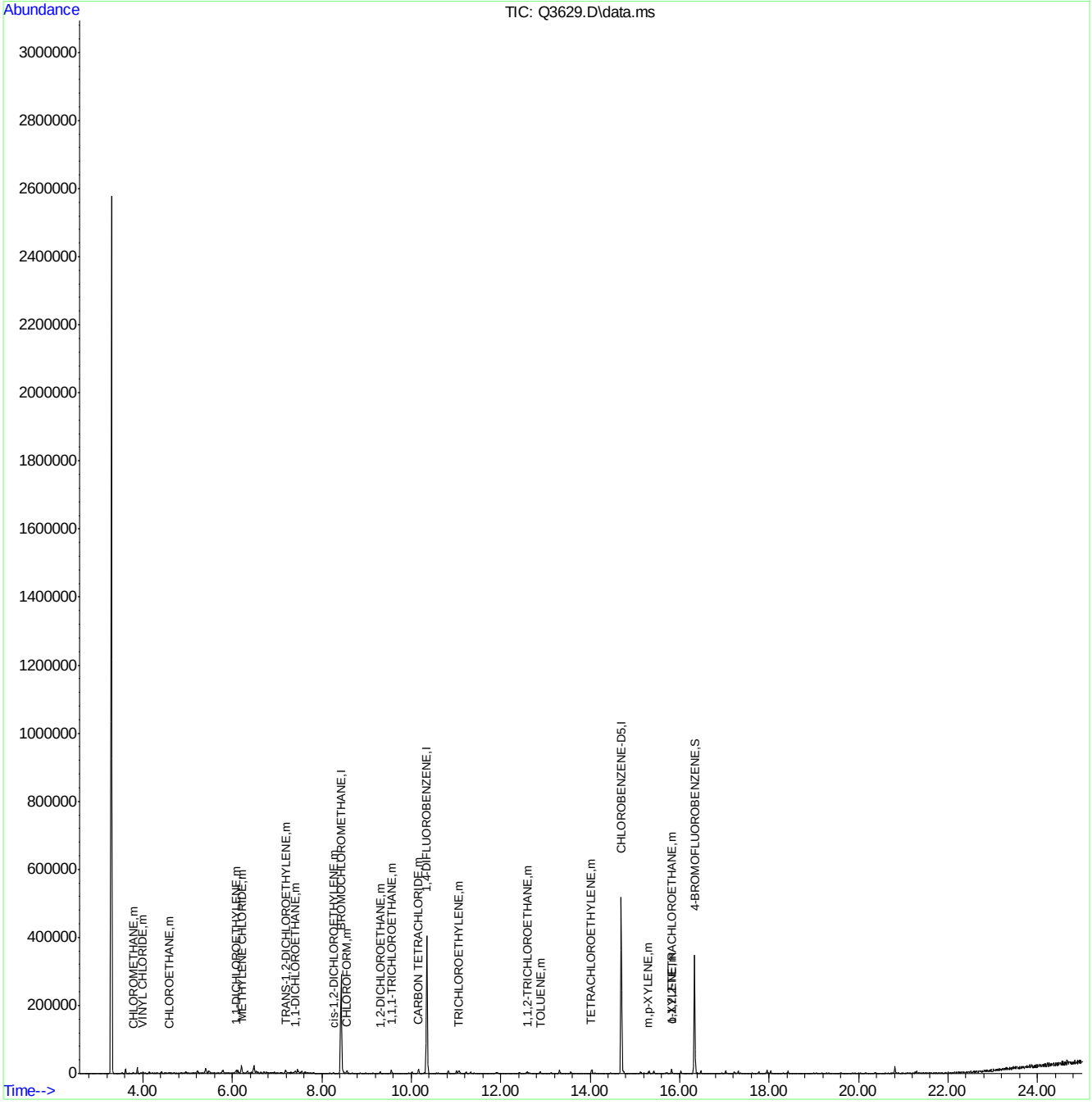
6.7.16

6

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\
Data File : Q3629.D
Acq On : 5 Jun 2007 8:08 pm
Operator : PhilipB
Sample : IC197-.2 (M122)
Misc : MS13684, MSQ197,,,,,1
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Jun 06 14:55:15 2007
Quant Method : C:\msdchem\1\METHODS\Q053007T.m
Quant Title : TO15 by GCMS w/DB-1 60 m X .25 mm ID 1.0 um
QLast Update : Wed Jun 06 09:09:45 2007
Response via : Initial Calibration

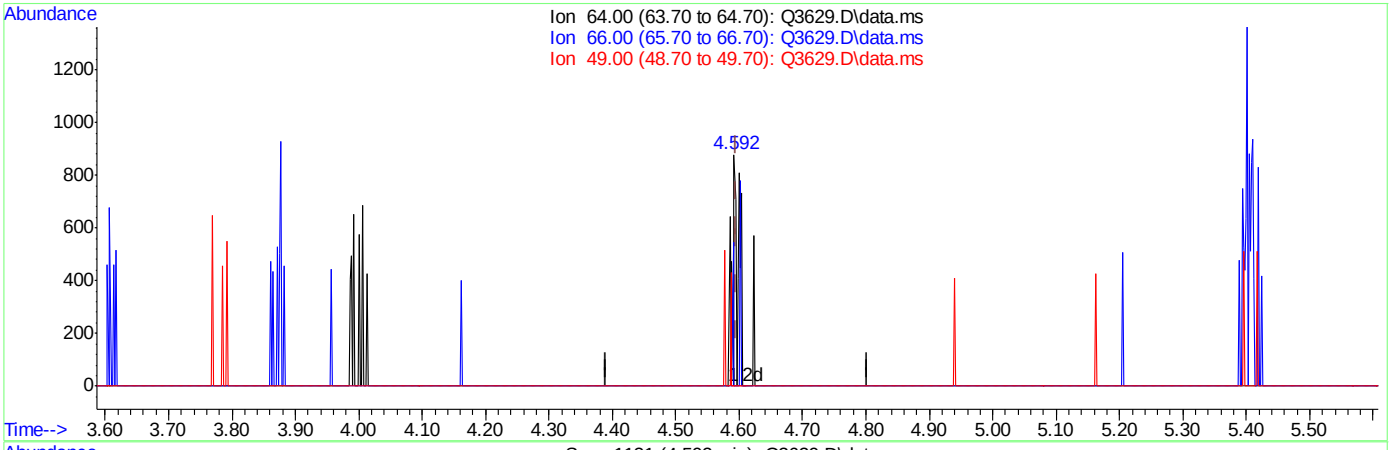


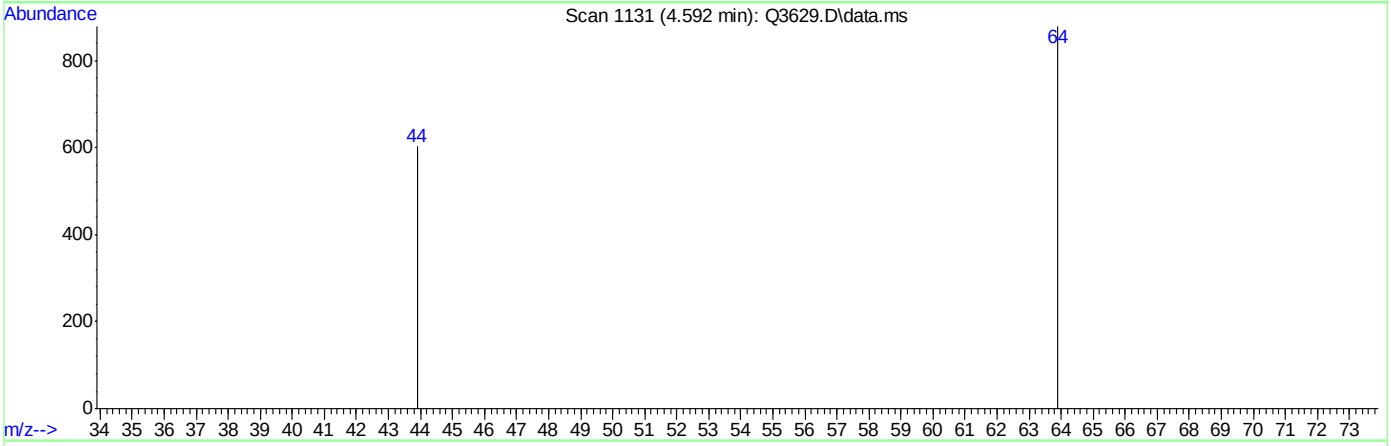
ACCUTEST Laboratories M65137

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\
Data File : Q3629.D
Acq On : 5 Jun 2007 8:08 pm
Operator : PhilipB
Sample : IC197-.2 (M122)
Misc : MS13684, MSQ197,,,,,1
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Jun 06 09:09:50 2007
Quant Method : C:\msdchem\1\METHODS\Q053007T.m
Quant Title : TO15 by GCMS w/DB-1 60 m X .25 mm ID 1.0 um
QLast Update : Wed Jun 06 09:09:45 2007
Response via : Initial Calibration





TIC: Q3629.D\data.ms

(9) CHLOROETHANE (m)

4.592min (-0.004) 0.11PPBV

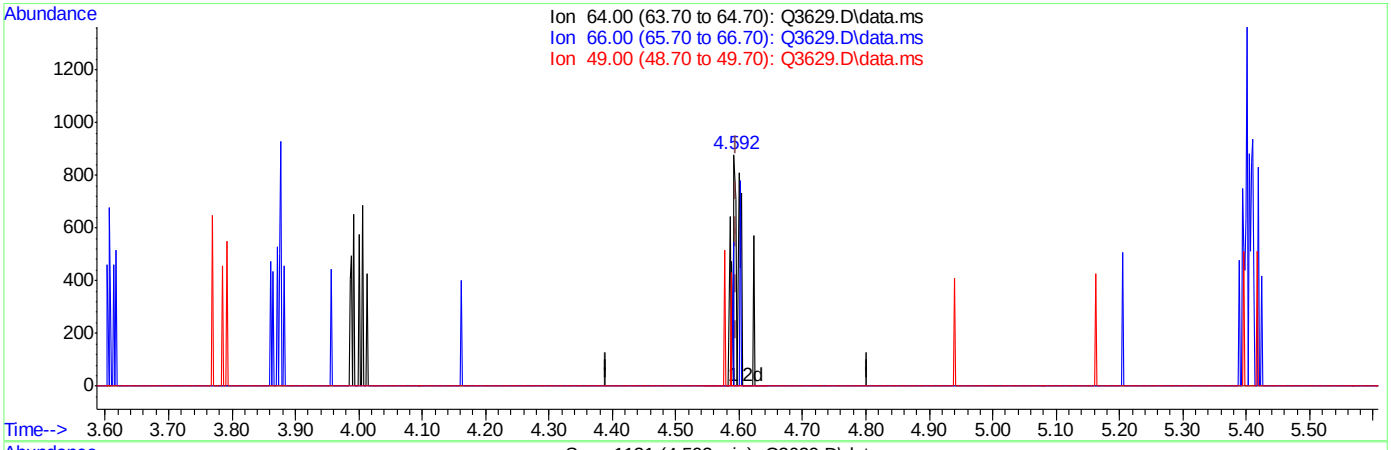
response 474

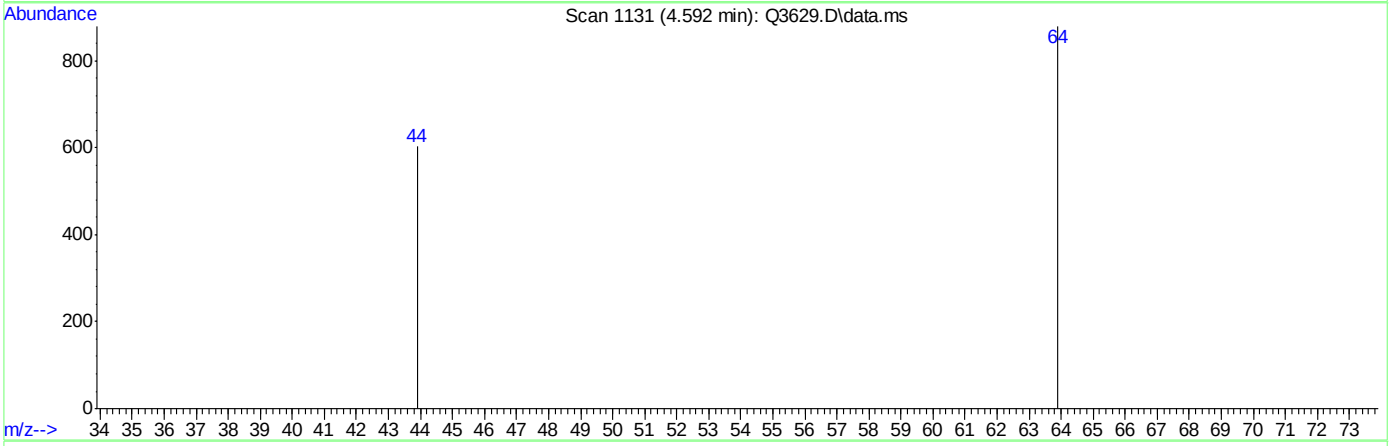
Ion	Exp%	Act%
64.00	100	100
66.00	0.00	12.24
49.00	0.00	9.70
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\
Data File : Q3629.D
Acq On : 5 Jun 2007 8:08 pm
Operator : PhilipB
Sample : IC197-.2 (M122)
Misc : MS13684, MSQ197,,,,,1
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Jun 06 09:09:50 2007
Quant Method : C:\msdchem\1\METHODS\Q053007T.m
Quant Title : TO15 by GCMS w/DB-1 60 m X .25 mm ID 1.0 um
QLast Update : Wed Jun 06 09:09:45 2007
Response via : Initial Calibration





TIC: Q3629.D\data.ms

(9) CHLOROETHANE (m)

4.592min (-0.004) 0.13PPBV m

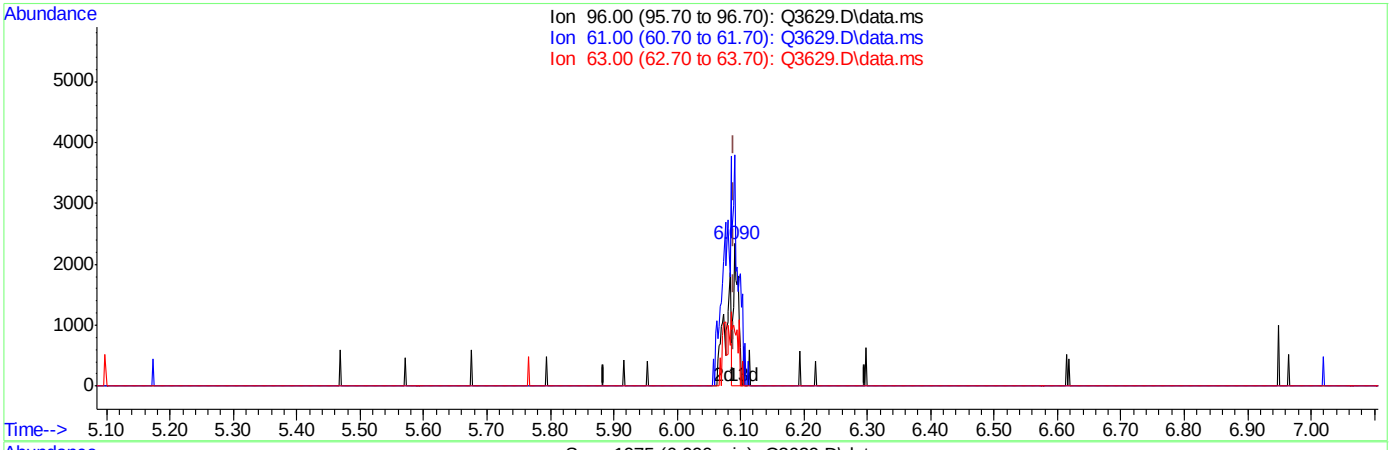
response 604

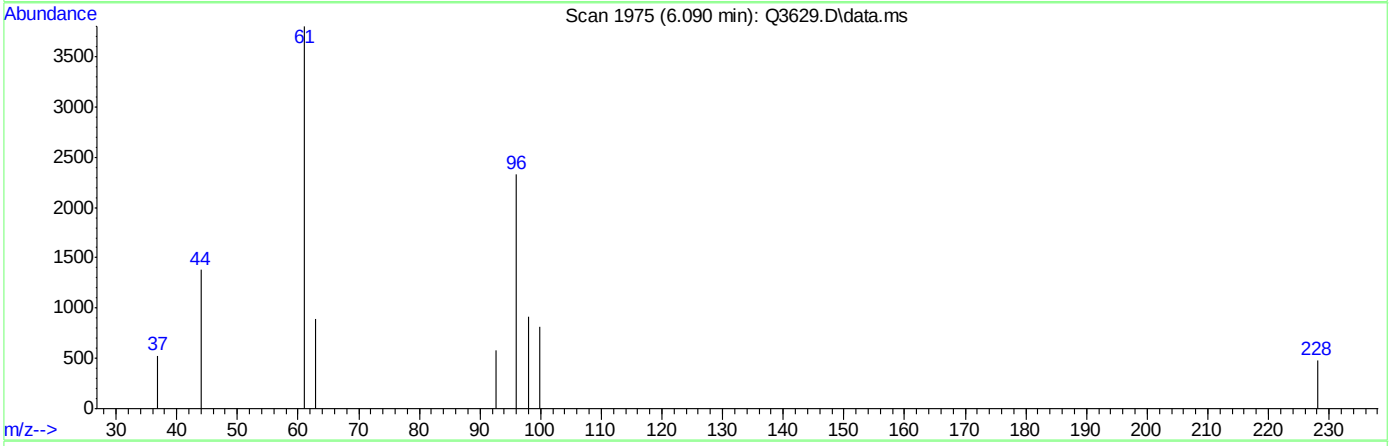
Ion	Exp%	Act%
64.00	100	100
66.00	0.00	9.60
49.00	0.00	7.62
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\
Data File : Q3629.D
Acq On : 5 Jun 2007 8:08 pm
Operator : PhilipB
Sample : IC197-.2 (M122)
Misc : MS13684, MSQ197,,,,,1
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Jun 06 09:09:50 2007
Quant Method : C:\msdchem\1\METHODS\Q053007T.m
Quant Title : TO15 by GCMS w/DB-1 60 m X .25 mm ID 1.0 um
QLast Update : Wed Jun 06 09:09:45 2007
Response via : Initial Calibration





TIC: Q3629.D\data.ms

(14) 1,1-DICHLOROETHYLENE (m)

6.090min (-0.000) 0.09PPBV

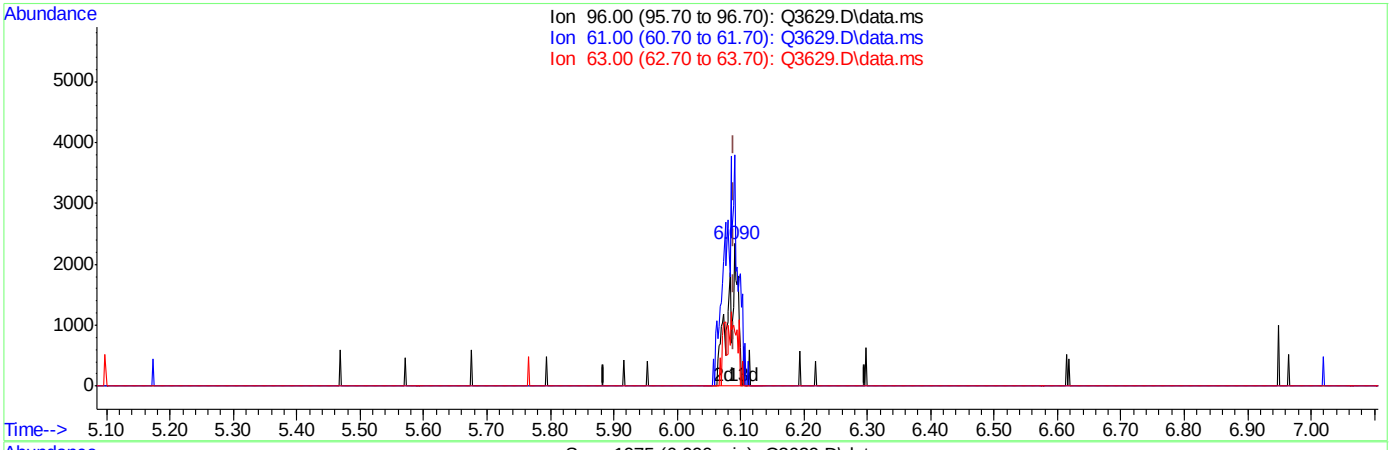
response 1284

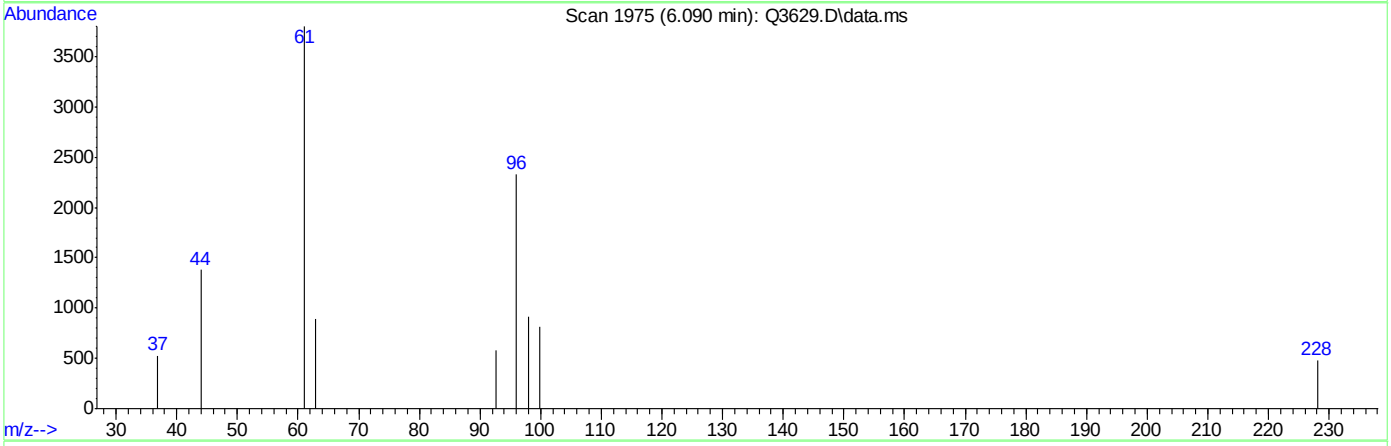
Ion	Exp%	Act%
96.00	100	100
61.00	0.10	400.55#
63.00	0.00	115.58#
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\
Data File : Q3629.D
Acq On : 5 Jun 2007 8:08 pm
Operator : PhilipB
Sample : IC197-.2 (M122)
Misc : MS13684, MSQ197,,,,,1
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Jun 06 09:09:50 2007
Quant Method : C:\msdchem\1\METHODS\Q053007T.m
Quant Title : TO15 by GCMS w/DB-1 60 m X .25 mm ID 1.0 um
QLast Update : Wed Jun 06 09:09:45 2007
Response via : Initial Calibration





TIC: Q3629.D\data.ms

(14) 1,1-DICHLOROETHYLENE (m)

6.090min (-0.000) 0.17PPBV m

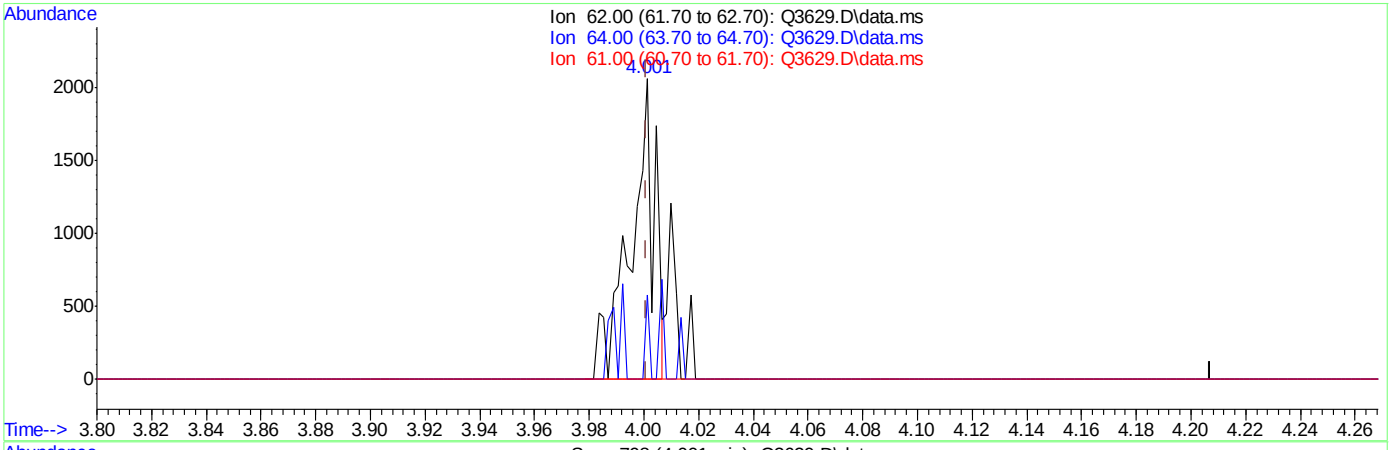
response 2547

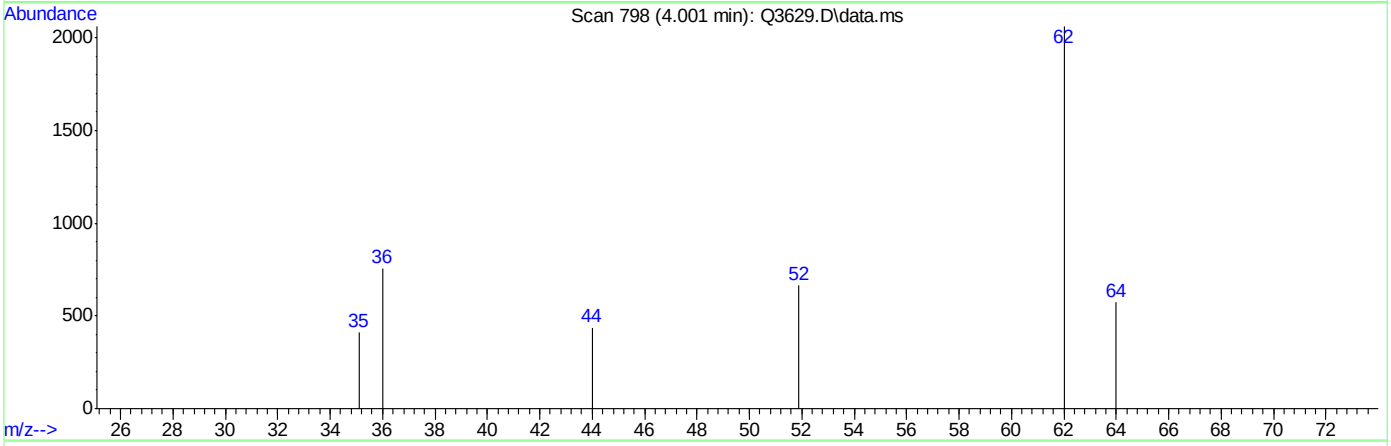
Ion	Exp%	Act%
96.00	100	100
61.00	0.10	201.92#
63.00	0.00	58.26#
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\
Data File : Q3629.D
Acq On : 5 Jun 2007 8:08 pm
Operator : PhilipB
Sample : IC197-.2 (M122)
Misc : MS13684, MSQ197,,,,,1
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Jun 06 09:09:50 2007
Quant Method : C:\msdchem\1\METHODS\Q053007T.m
Quant Title : TO15 by GCMS w/DB-1 60 m X .25 mm ID 1.0 um
QLast Update : Wed Jun 06 09:09:45 2007
Response via : Initial Calibration





TIC: Q3629.D\data.ms

(6) VINYL CHLORIDE (m)

4.001min (-0.000) 0.13PPBV

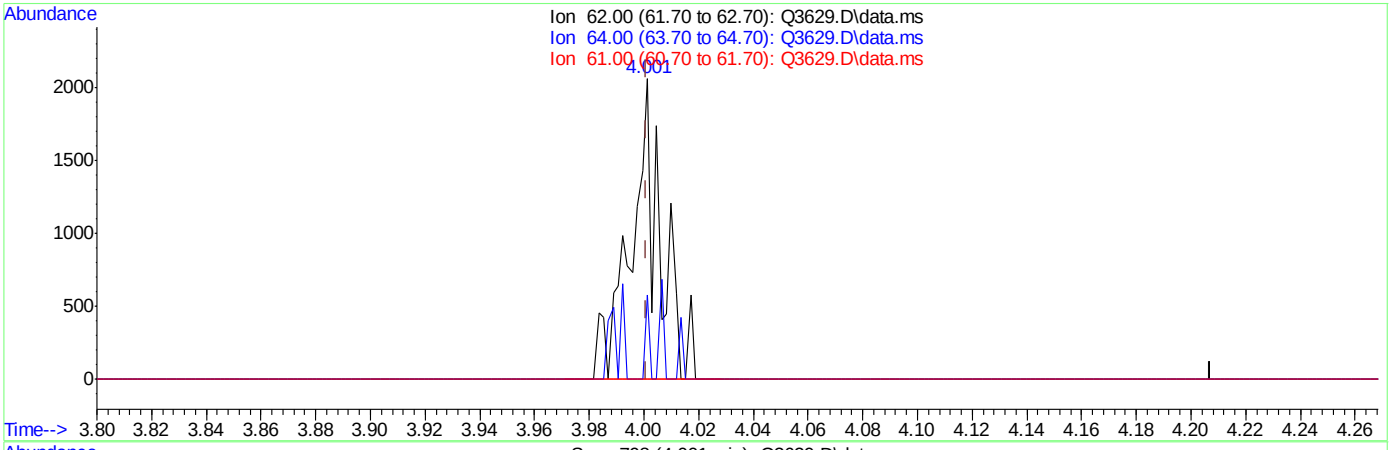
response 1265

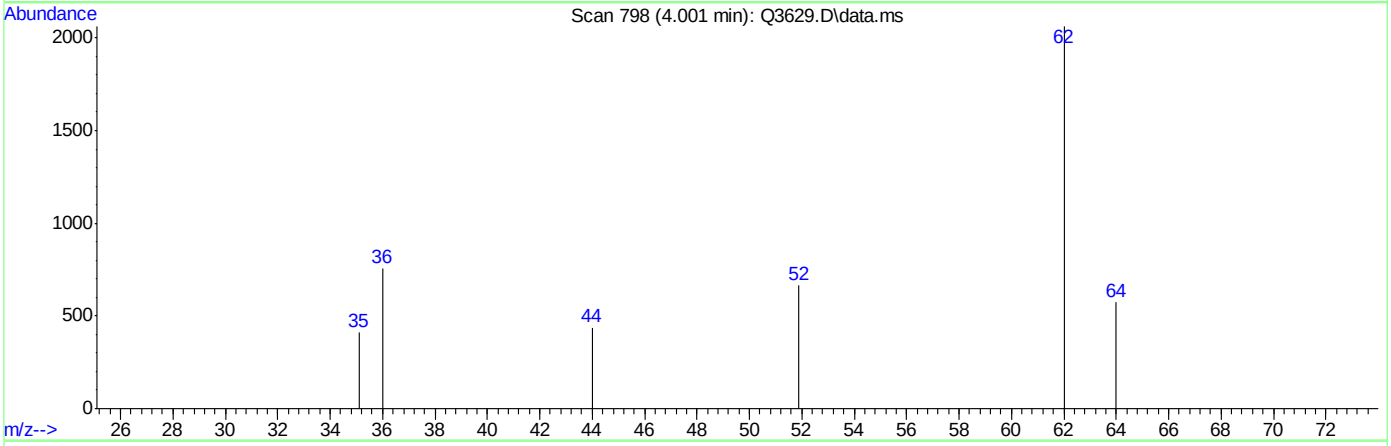
Ion	Exp%	Act%
62.00	100	100
64.00	49.80	9.41#
61.00	2.70	0.00
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\
Data File : Q3629.D
Acq On : 5 Jun 2007 8:08 pm
Operator : PhilipB
Sample : IC197-.2 (M122)
Misc : MS13684, MSQ197,,,,,1
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Jun 06 09:09:50 2007
Quant Method : C:\msdchem\1\METHODS\Q053007T.m
Quant Title : TO15 by GCMS w/DB-1 60 m X .25 mm ID 1.0 um
QLast Update : Wed Jun 06 09:09:45 2007
Response via : Initial Calibration





TIC: Q3629.D\data.ms

(6) VINYL CHLORIDE (m)

4.001min (-0.000) 0.16PPBV m

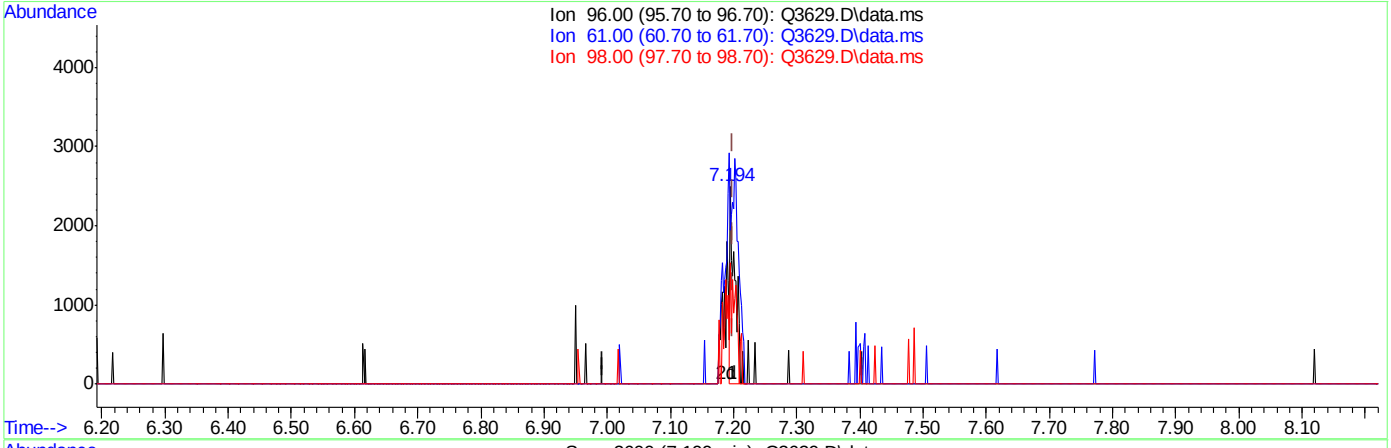
response 1565

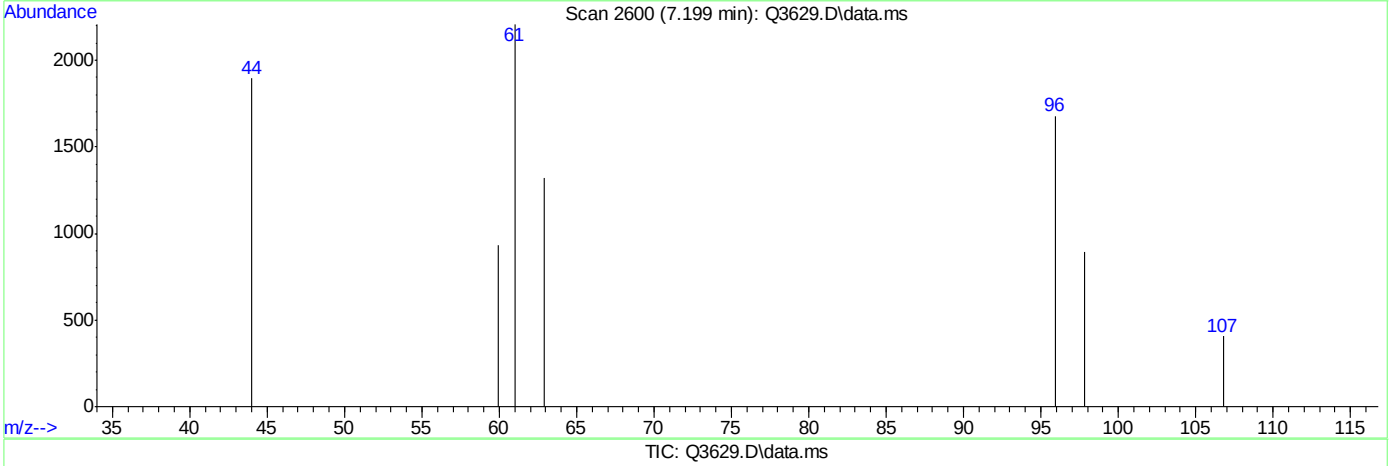
Ion	Exp%	Act%
62.00	100	100
64.00	49.80	7.60#
61.00	2.70	0.00
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\
Data File : Q3629.D
Acq On : 5 Jun 2007 8:08 pm
Operator : PhilipB
Sample : IC197-.2 (M122)
Misc : MS13684, MSQ197,,,,,1
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Jun 06 09:09:50 2007
Quant Method : C:\msdchem\1\METHODS\Q053007T.m
Quant Title : TO15 by GCMS w/DB-1 60 m X .25 mm ID 1.0 um
QLast Update : Wed Jun 06 09:09:45 2007
Response via : Initial Calibration





TIC: Q3629.D\data.ms

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

7.199min (-0.000) 0.09PPBV

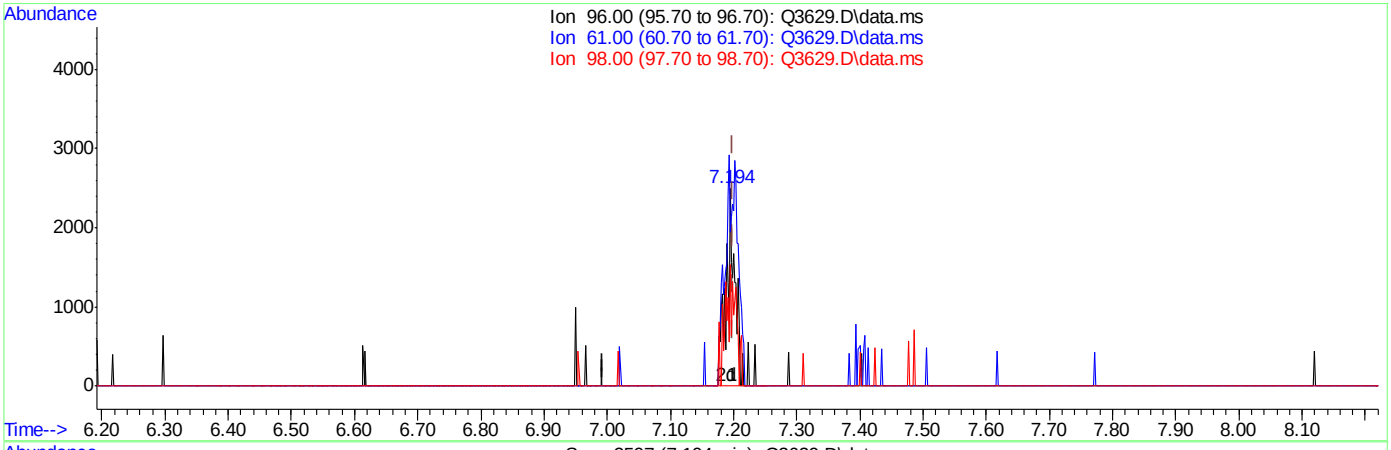
response 1375

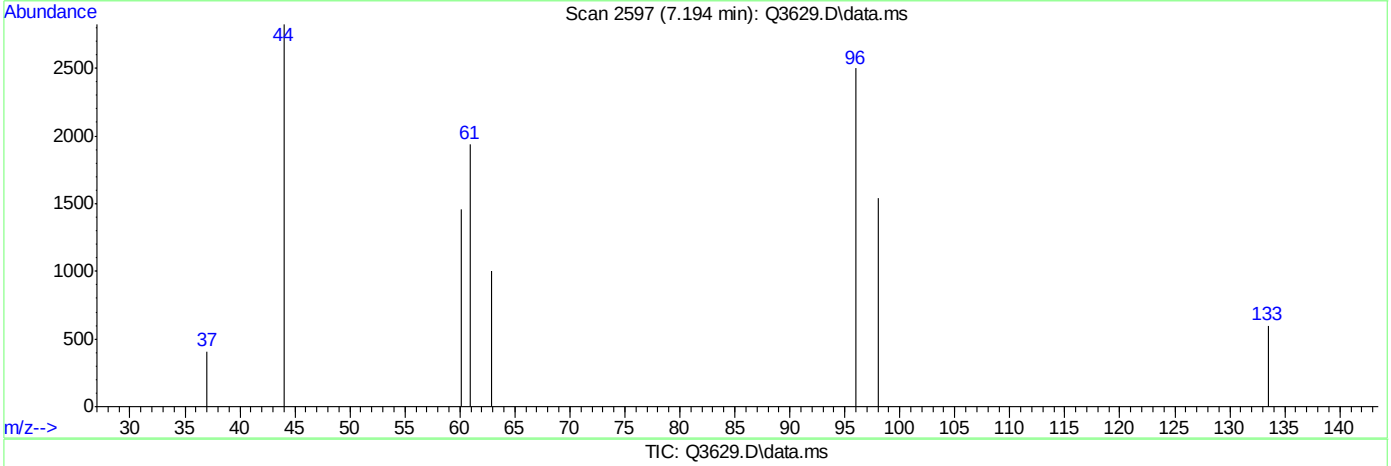
Ion	Exp%	Act%
96.00	100	100
61.00	0.00	289.89#
98.00	0.00	73.16#
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\
Data File : Q3629.D
Acq On : 5 Jun 2007 8:08 pm
Operator : PhilipB
Sample : IC197-.2 (M122)
Misc : MS13684, MSQ197,,,,,1
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Jun 06 09:09:50 2007
Quant Method : C:\msdchem\1\METHODS\Q053007T.m
Quant Title : TO15 by GCMS w/DB-1 60 m X .25 mm ID 1.0 um
QLast Update : Wed Jun 06 09:09:45 2007
Response via : Initial Calibration





TIC: Q3629.D\data.ms

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

7.194min (-0.005) 0.16PPBV m

response 2510

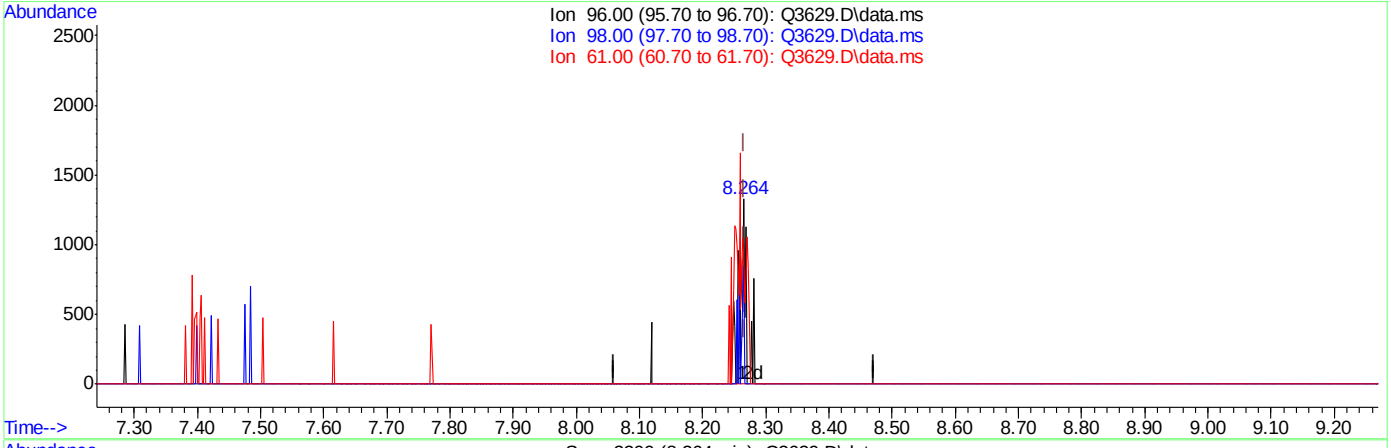
Ion	Exp%	Act%
96.00	100	100
61.00	0.00	158.80#
98.00	0.00	40.08#
0.00	0.00	0.00

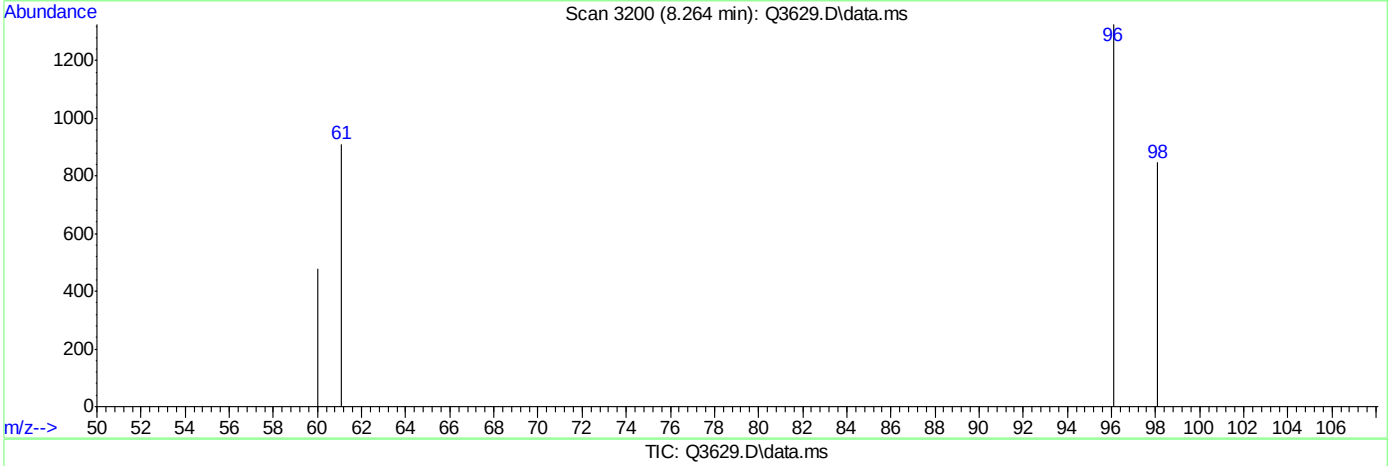
ACCUTEST Laboratories M65137

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\
Data File : Q3629.D
Acq On : 5 Jun 2007 8:08 pm
Operator : PhilipB
Sample : IC197-.2 (M122)
Misc : MS13684, MSQ197,,,,,1
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Jun 06 09:09:50 2007
Quant Method : C:\msdchem\1\METHODS\Q053007T.m
Quant Title : TO15 by GCMS w/DB-1 60 m X .25 mm ID 1.0 um
QLast Update : Wed Jun 06 09:09:45 2007
Response via : Initial Calibration





TIC: Q3629.D\data.ms

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

8.264min (-0.002) 0.11PPBV

response 750

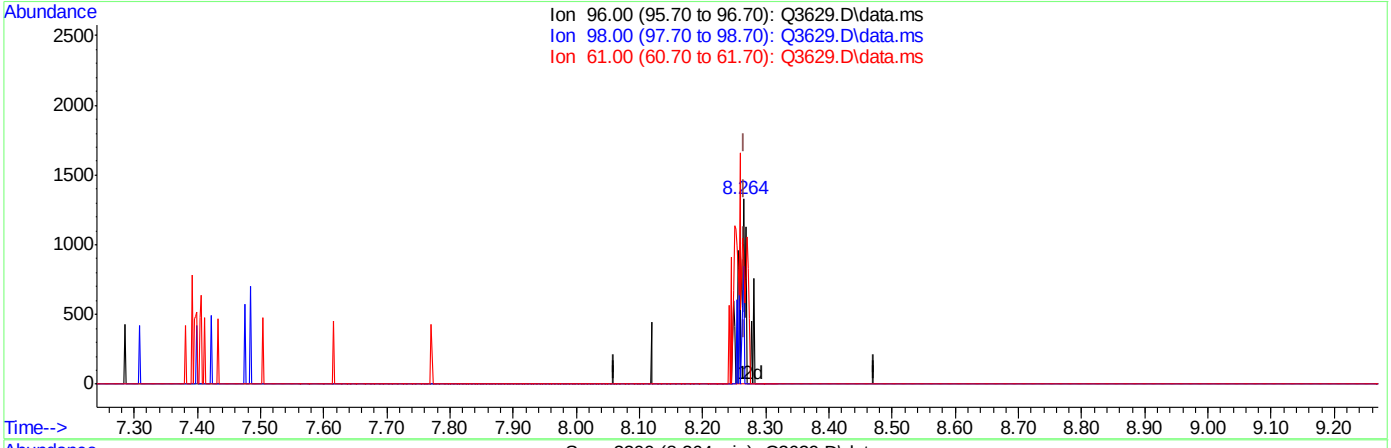
Ion	Exp%	Act%
96.00	100	100
98.00	0.00	30.27#
61.00	0.00	208.80#
0.00	0.00	0.00

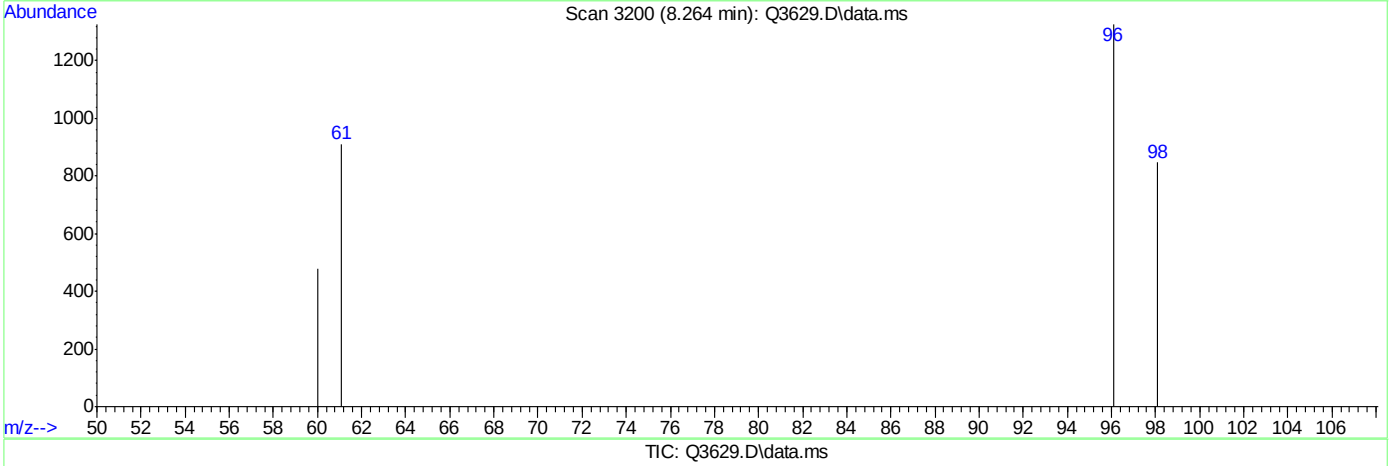
ACCUTEST Laboratories M65137

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\
Data File : Q3629.D
Acq On : 5 Jun 2007 8:08 pm
Operator : PhilipB
Sample : IC197-.2 (M122)
Misc : MS13684, MSQ197,,,,,1
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Jun 06 09:09:50 2007
Quant Method : C:\msdchem\1\METHODS\Q053007T.m
Quant Title : TO15 by GCMS w/DB-1 60 m X .25 mm ID 1.0 um
QLast Update : Wed Jun 06 09:09:45 2007
Response via : Initial Calibration





TIC: Q3629.D\data.ms

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

8.264min (-0.002) 0.12PPBV m

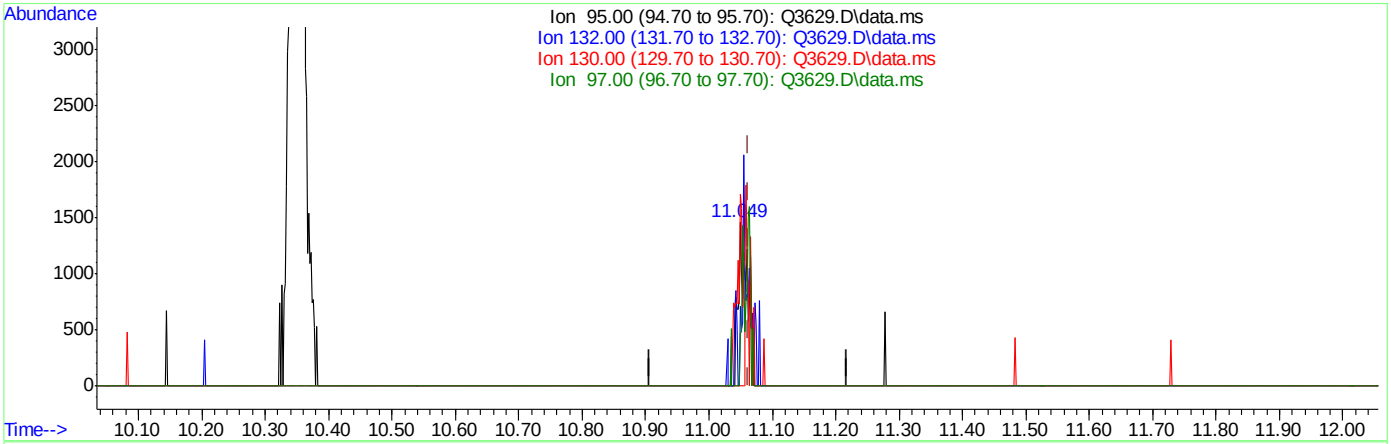
response 880

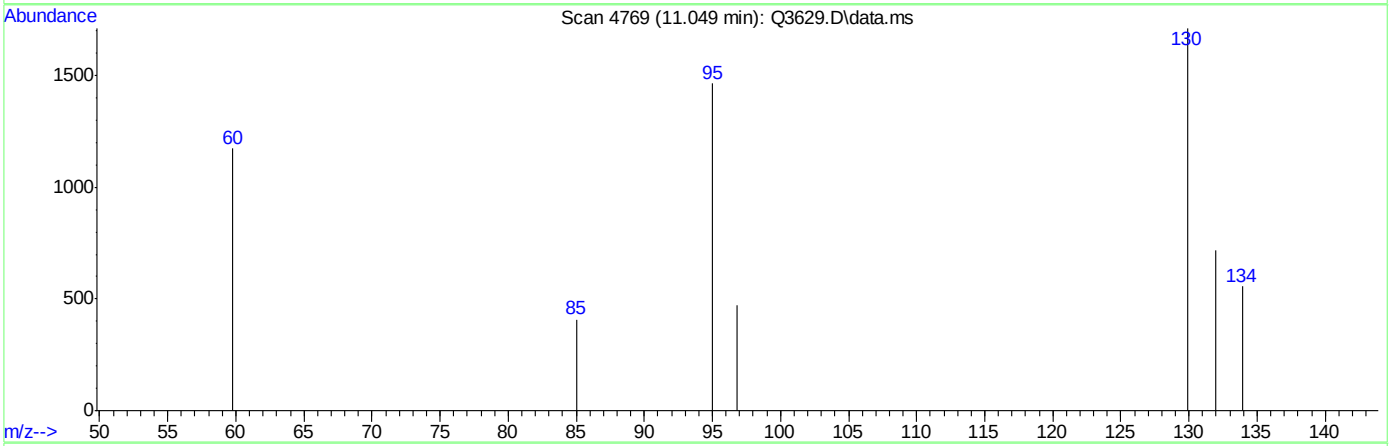
Ion	Exp%	Act%
96.00	100	100
98.00	0.00	25.80#
61.00	0.00	177.95#
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\
Data File : Q3629.D
Acq On : 5 Jun 2007 8:08 pm
Operator : PhilipB
Sample : IC197-.2 (M122)
Misc : MS13684, MSQ197,,,,,1
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Jun 06 09:09:50 2007
Quant Method : C:\msdchem\1\METHODS\Q053007T.m
Quant Title : TO15 by GCMS w/DB-1 60 m X .25 mm ID 1.0 um
QLast Update : Wed Jun 06 09:09:45 2007
Response via : Initial Calibration





TIC: Q3629.D\data.ms

(38) TRICHLOROETHYLENE (m)

11.049min (-0.014) 0.06PPBV

response 885

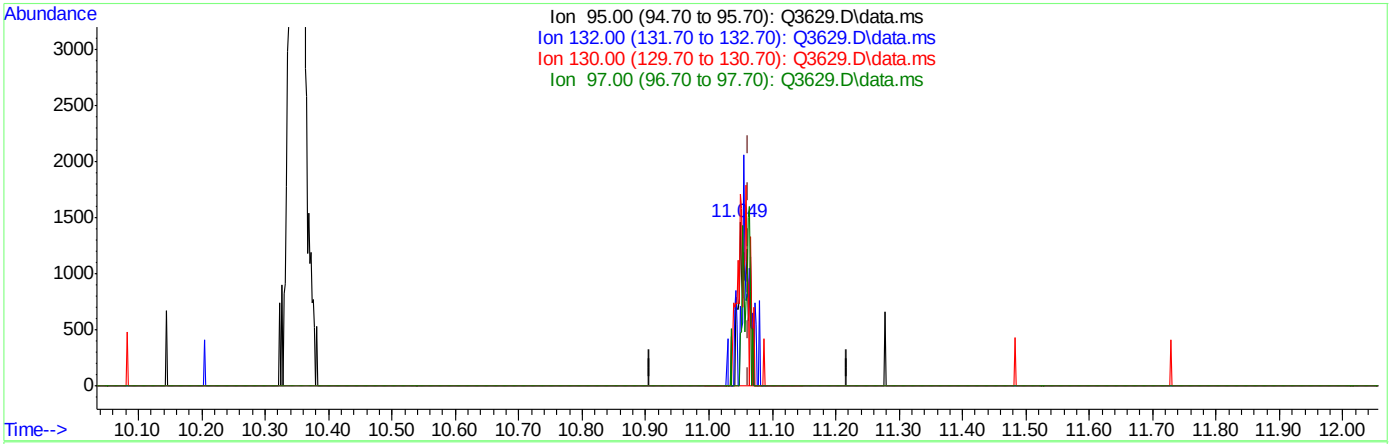
Ion	Exp%	Act%
95.00	100	100
132.00	101.00	146.21#
130.00	98.30	181.24#
97.00	65.70	47.23

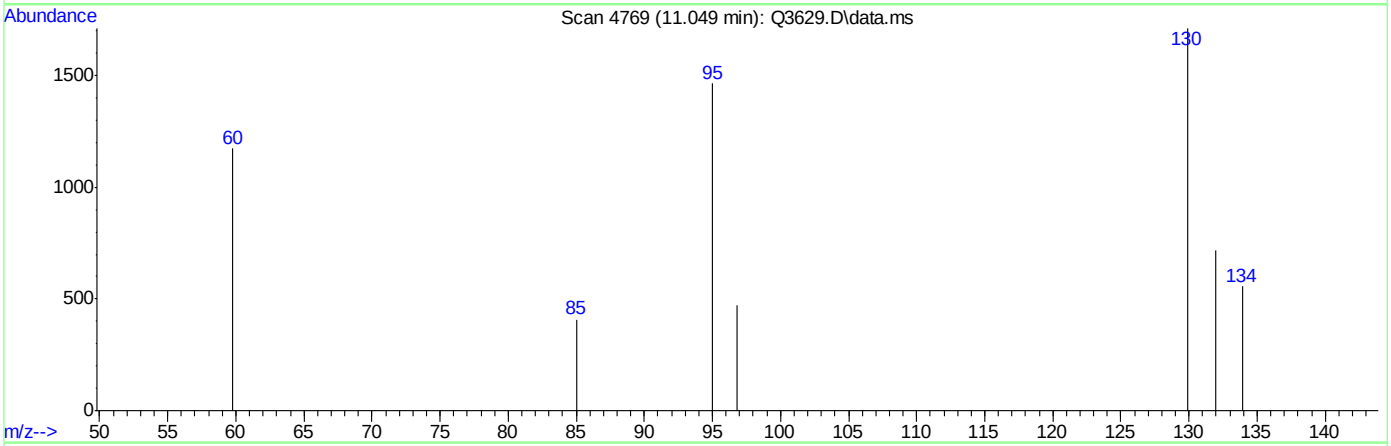
ACCUTEST Laboratories M65137

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\
Data File : Q3629.D
Acq On : 5 Jun 2007 8:08 pm
Operator : PhilipB
Sample : IC197-.2 (M122)
Misc : MS13684, MSQ197,,,,,1
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Jun 06 09:09:50 2007
Quant Method : C:\msdchem\1\METHODS\Q053007T.m
Quant Title : TO15 by GCMS w/DB-1 60 m X .25 mm ID 1.0 um
QLast Update : Wed Jun 06 09:09:45 2007
Response via : Initial Calibration





TIC: Q3629.D\data.ms

(38) TRICHLOROETHYLENE (m)

11.049min (-0.014) 0.10PPBV m

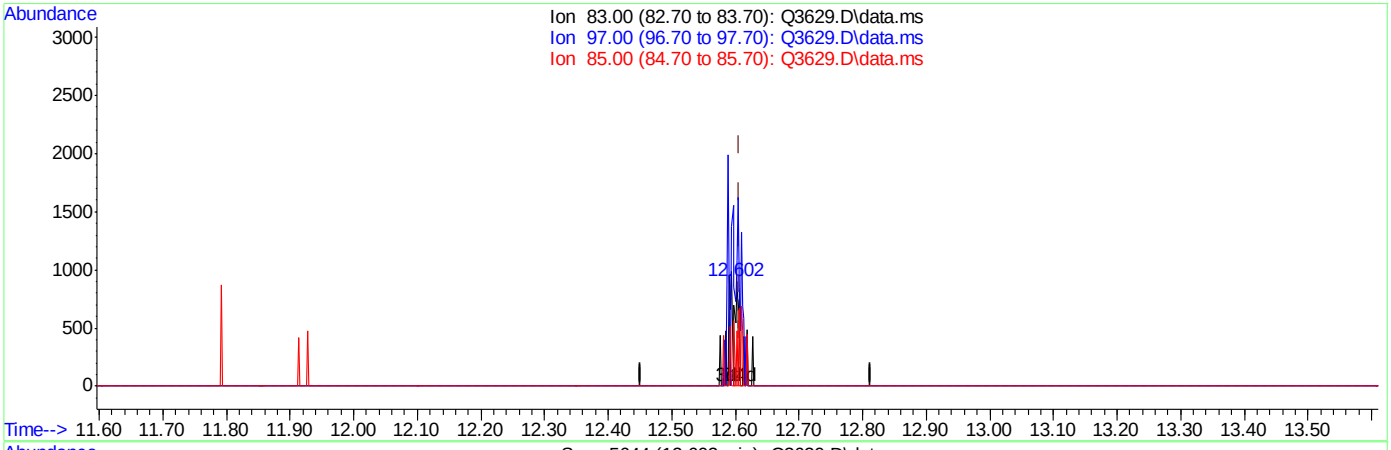
response 1487

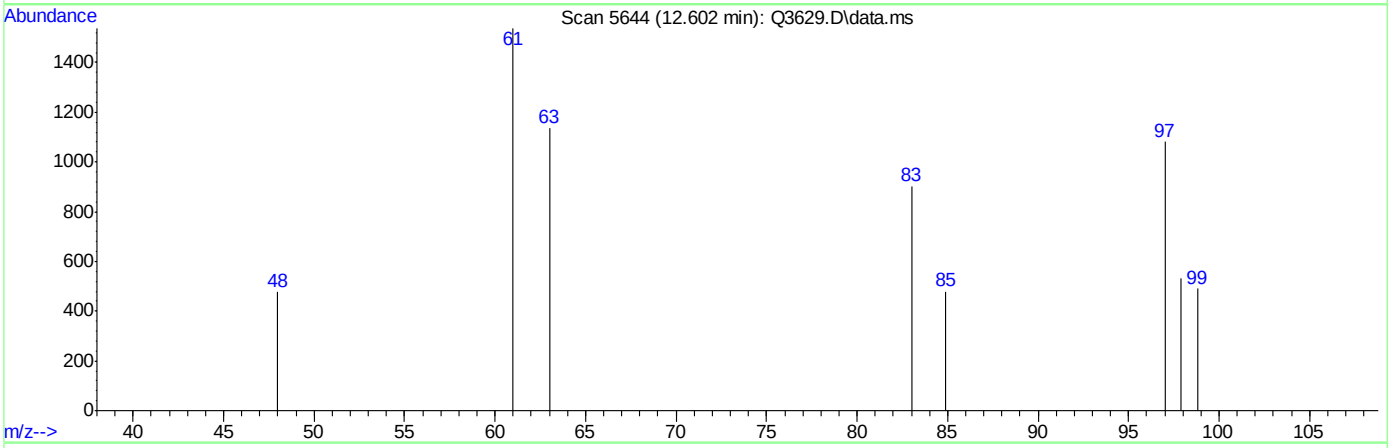
Ion	Exp%	Act%
95.00	100	100
132.00	101.00	87.02
130.00	98.30	107.87
97.00	65.70	28.11#

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\
Data File : Q3629.D
Acq On : 5 Jun 2007 8:08 pm
Operator : PhilipB
Sample : IC197-.2 (M122)
Misc : MS13684, MSQ197,,,,,1
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Jun 06 09:09:50 2007
Quant Method : C:\msdchem\1\METHODS\Q053007T.m
Quant Title : TO15 by GCMS w/DB-1 60 m X .25 mm ID 1.0 um
QLast Update : Wed Jun 06 09:09:45 2007
Response via : Initial Calibration





TIC: Q3629.D\data.ms

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

12.602min (-0.005) 0.04PPBV

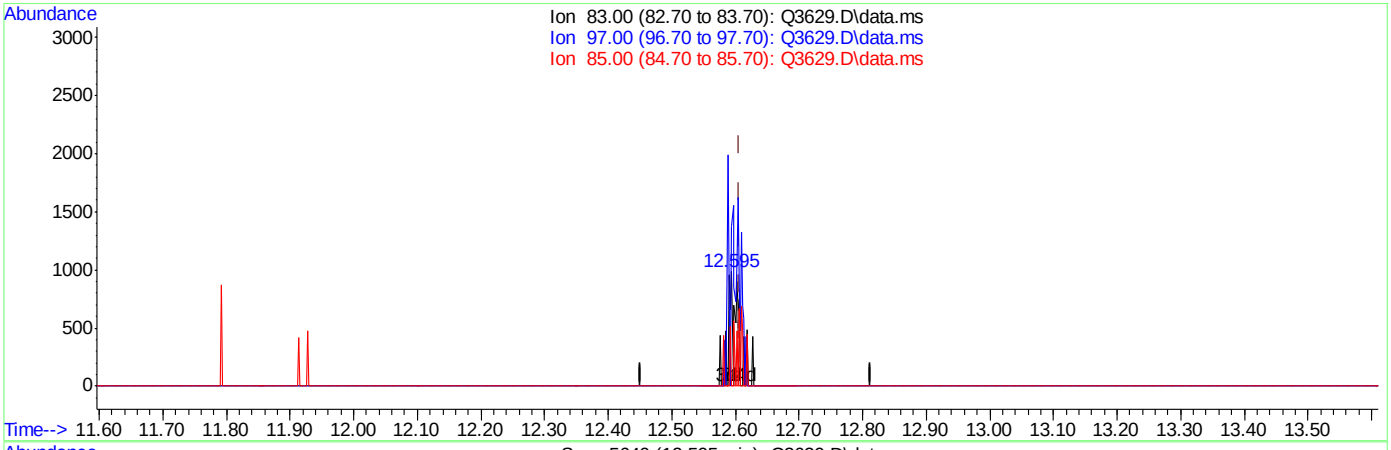
response 377

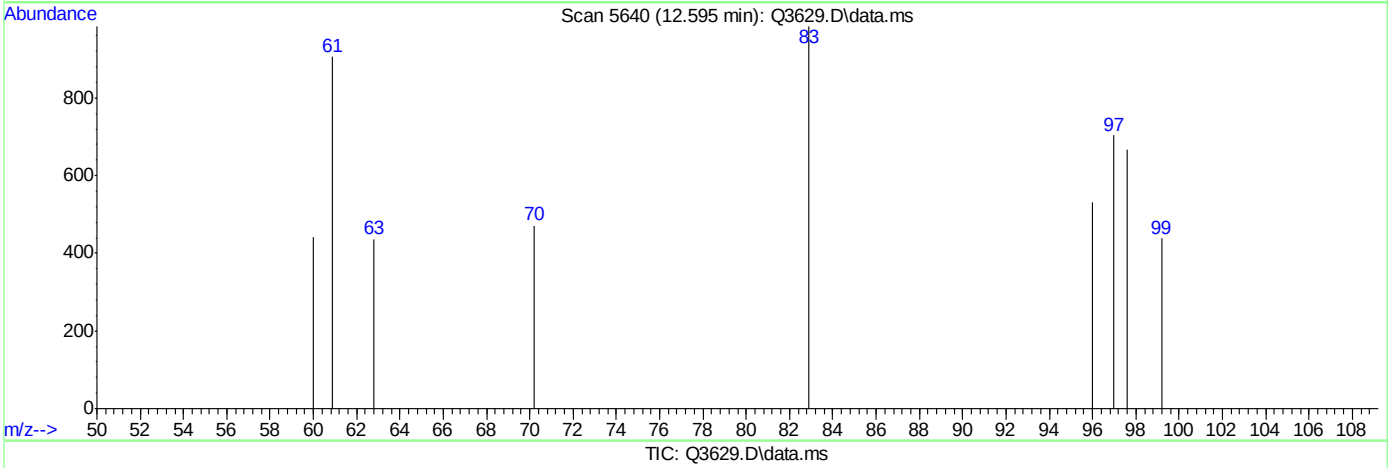
Ion	Exp%	Act%
83.00	100	100
97.00	121.10	326.79#
85.00	65.40	30.24#
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\
Data File : Q3629.D
Acq On : 5 Jun 2007 8:08 pm
Operator : PhilipB
Sample : IC197-.2 (M122)
Misc : MS13684, MSQ197,,,,,1
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Jun 06 09:09:50 2007
Quant Method : C:\msdchem\1\METHODS\Q053007T.m
Quant Title : TO15 by GCMS w/DB-1 60 m X .25 mm ID 1.0 um
QLast Update : Wed Jun 06 09:09:45 2007
Response via : Initial Calibration





TIC: Q3629.D\data.ms

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

12.595min (-0.013) 0.10PPBV m

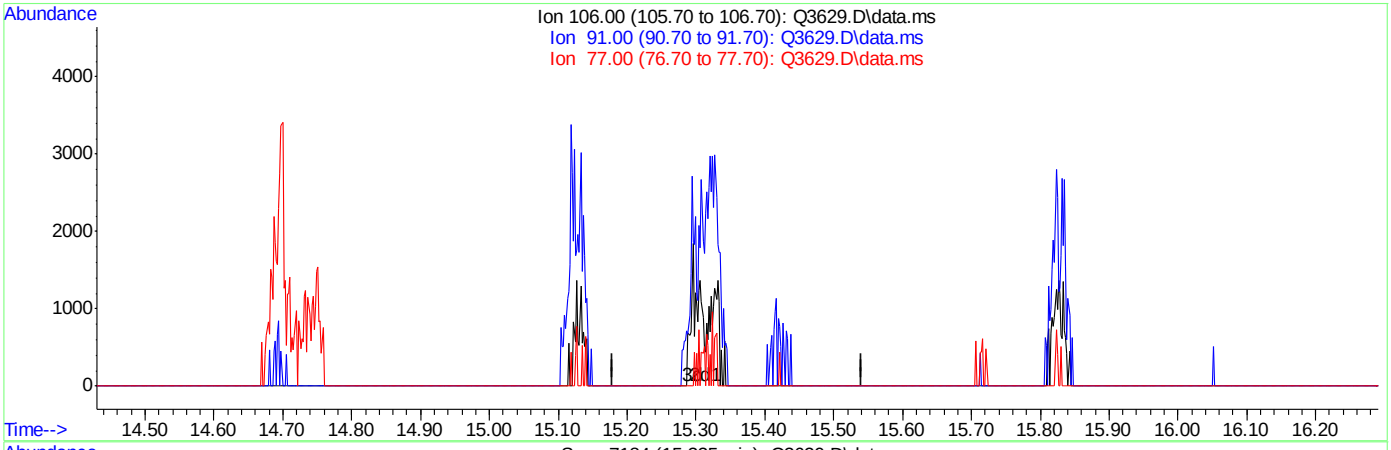
response 895

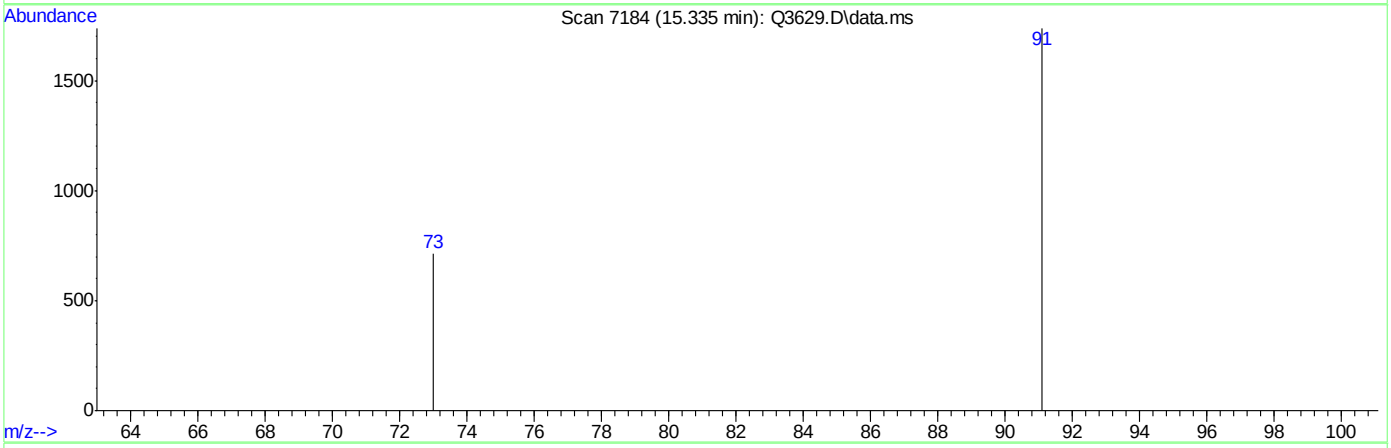
Ion	Exp%	Act%
83.00	100	100
97.00	121.10	137.65
85.00	65.40	12.74#
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\
Data File : Q3629.D
Acq On : 5 Jun 2007 8:08 pm
Operator : PhilipB
Sample : IC197-.2 (M122)
Misc : MS13684, MSQ197,,,,,1
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Jun 06 09:12:48 2007
Quant Method : C:\msdchem\1\METHODS\Q053007T.m
Quant Title : TO15 by GCMS w/DB-1 60 m X .25 mm ID 1.0 um
QLast Update : Wed Jun 06 09:09:45 2007
Response via : Initial Calibration





TIC: Q3629.D\data.ms

(56) m,p-XYLENE (m)

15.335min 0.00PPBV d

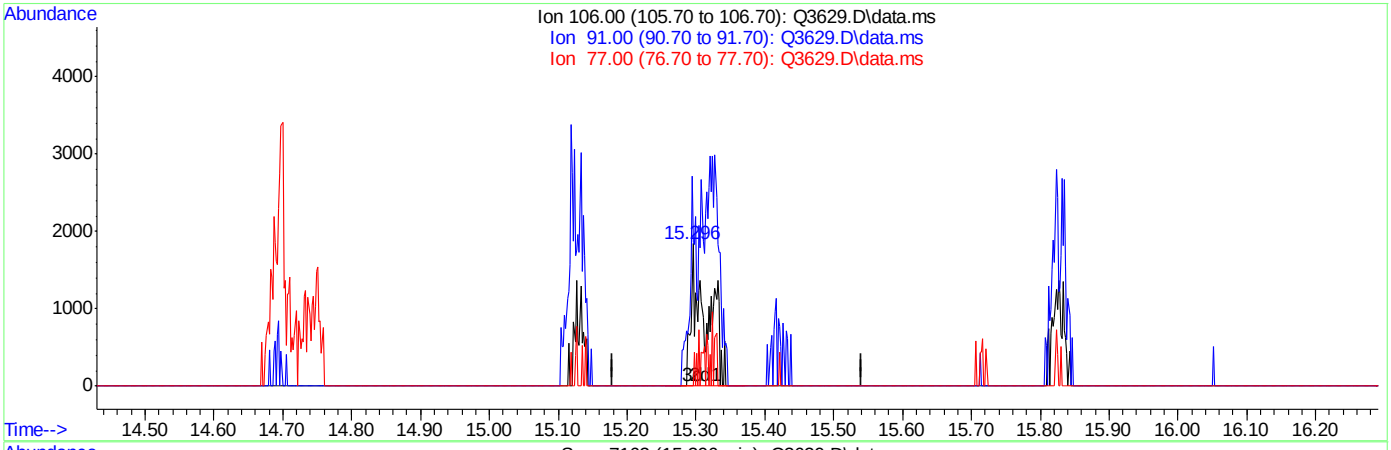
response 0

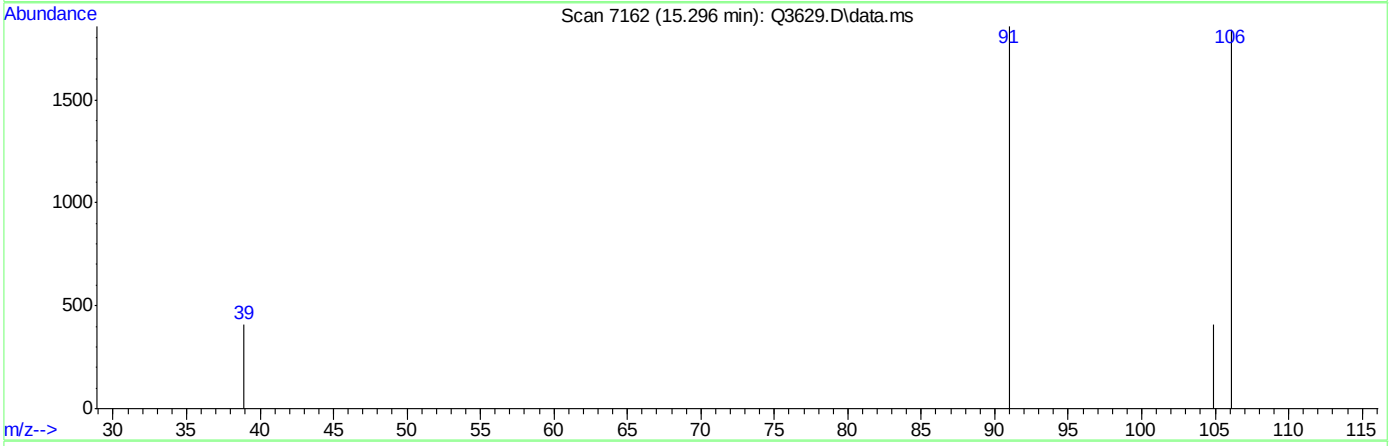
Ion	Exp%	Act%
106.00	100	0.00
91.00	204.20	0.00
77.00	30.60	0.00
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\
Data File : Q3629.D
Acq On : 5 Jun 2007 8:08 pm
Operator : PhilipB
Sample : IC197-.2 (M122)
Misc : MS13684, MSQ197,,,,,1
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Jun 06 09:12:48 2007
Quant Method : C:\msdchem\1\METHODS\Q053007T.m
Quant Title : TO15 by GCMS w/DB-1 60 m X .25 mm ID 1.0 um
QLast Update : Wed Jun 06 09:09:45 2007
Response via : Initial Calibration





TIC: Q3629.D\data.ms

(56) m,p-XYLENE (m)

15.296min (-0.039) 0.20PPBV m

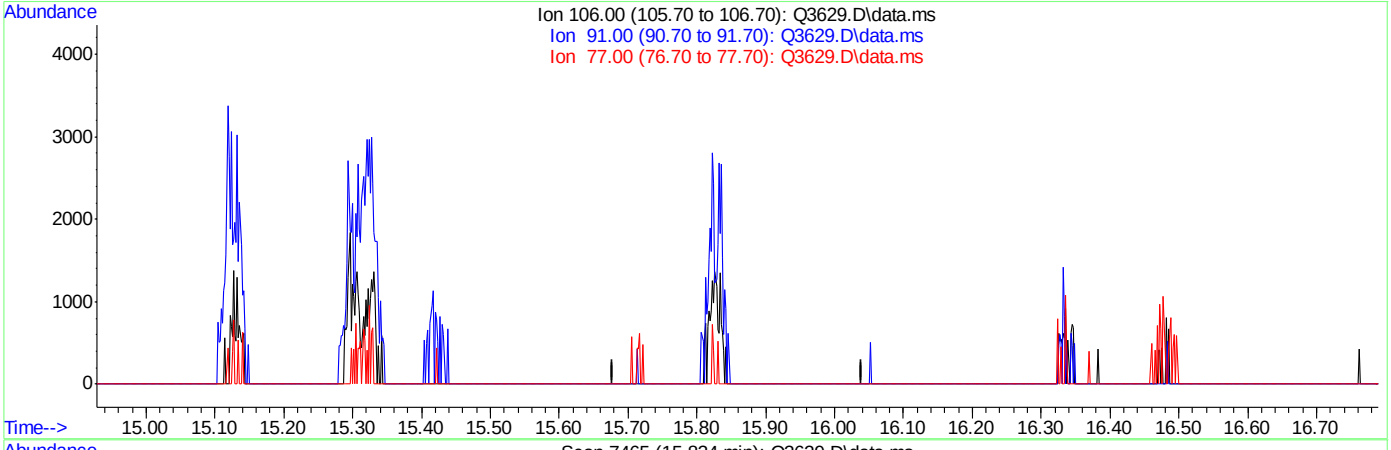
response 2820

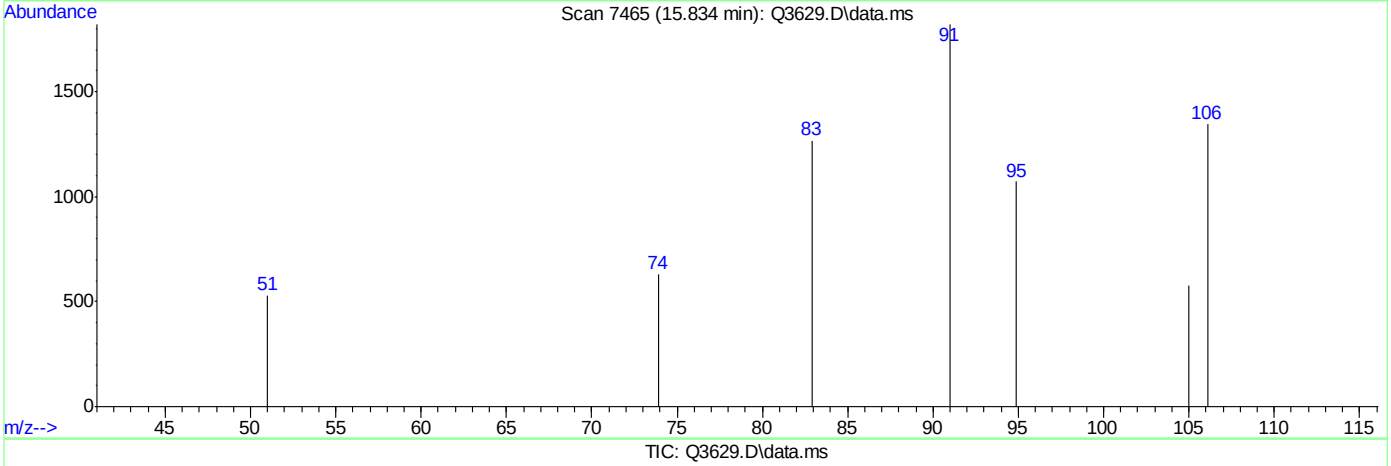
Ion	Exp%	Act%
106.00	100	100
91.00	204.20	100.92#
77.00	30.60	0.00#
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\
Data File : Q3629.D
Acq On : 5 Jun 2007 8:08 pm
Operator : PhilipB
Sample : IC197-.2 (M122)
Misc : MS13684, MSQ197,,,,,1
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Jun 06 09:15:29 2007
Quant Method : C:\msdchem\1\METHODS\Q053007T.m
Quant Title : TO15 by GCMS w/DB-1 60 m X .25 mm ID 1.0 um
QLast Update : Wed Jun 06 09:09:45 2007
Response via : Initial Calibration





TIC: Q3629.D\data.ms

(57) o-XYLENE (m)

15.834min 0.00PPBV d

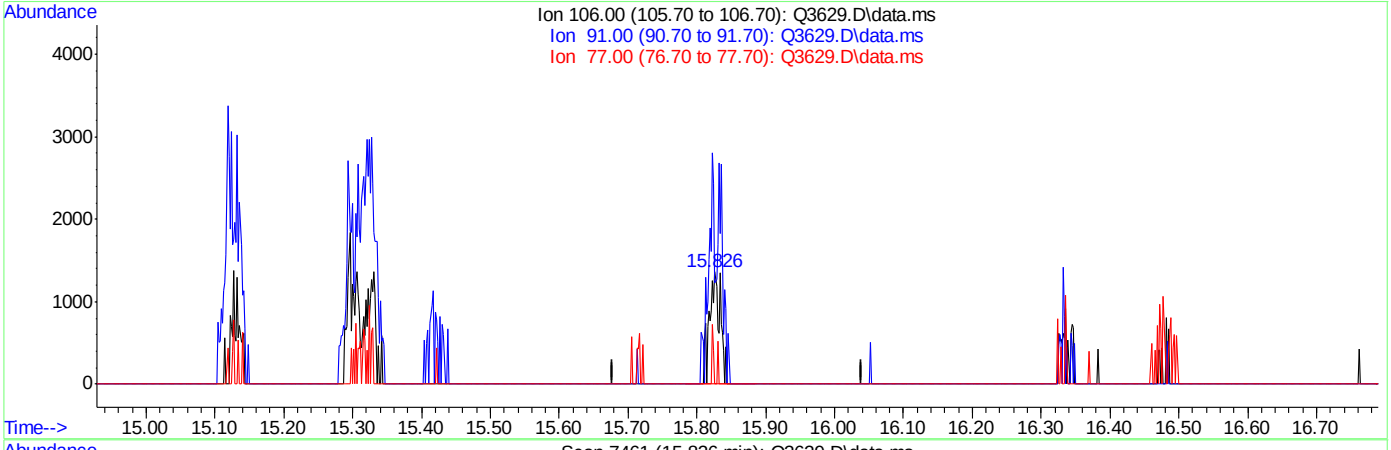
response 0

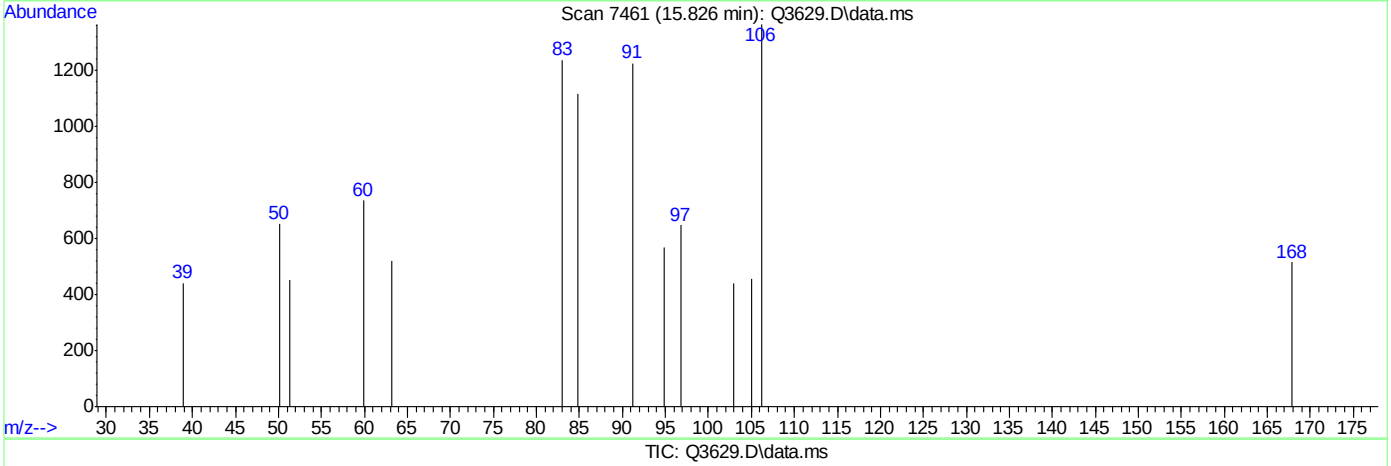
Ion	Exp%	Act%
106.00	100	0.00
91.00	223.70	0.00
77.00	30.00	0.00
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\
Data File : Q3629.D
Acq On : 5 Jun 2007 8:08 pm
Operator : PhilipB
Sample : IC197-.2 (M122)
Misc : MS13684, MSQ197,,,,,1
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Jun 06 09:15:29 2007
Quant Method : C:\msdchem\1\METHODS\Q053007T.m
Quant Title : TO15 by GCMS w/DB-1 60 m X .25 mm ID 1.0 um
QLast Update : Wed Jun 06 09:09:45 2007
Response via : Initial Calibration





TIC: Q3629.D\data.ms

(57) o-XYLENE (m)

15.826min (-0.007) 0.09PPBV m

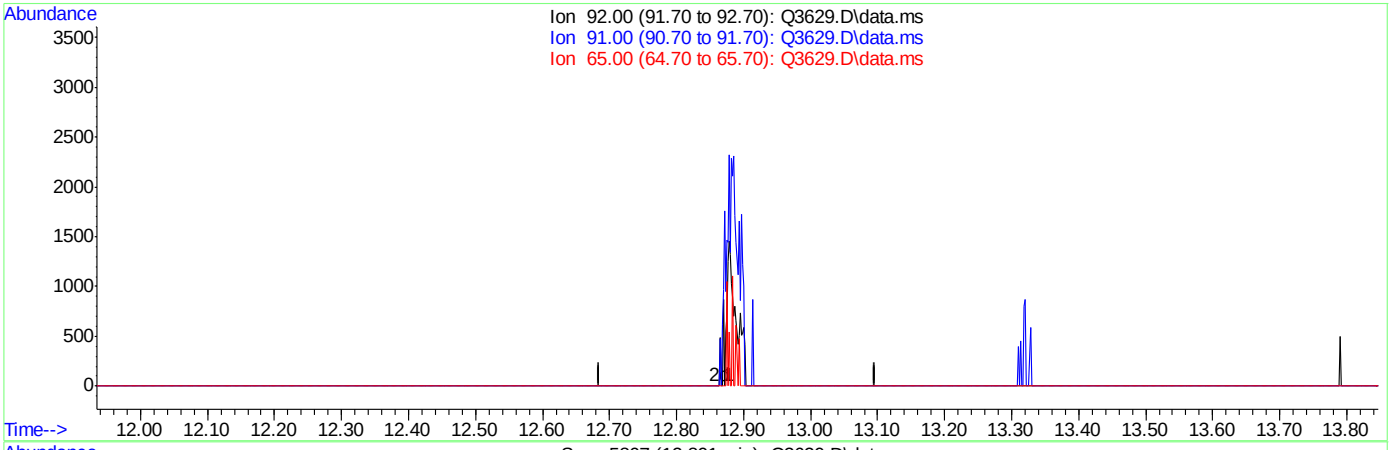
response 1511

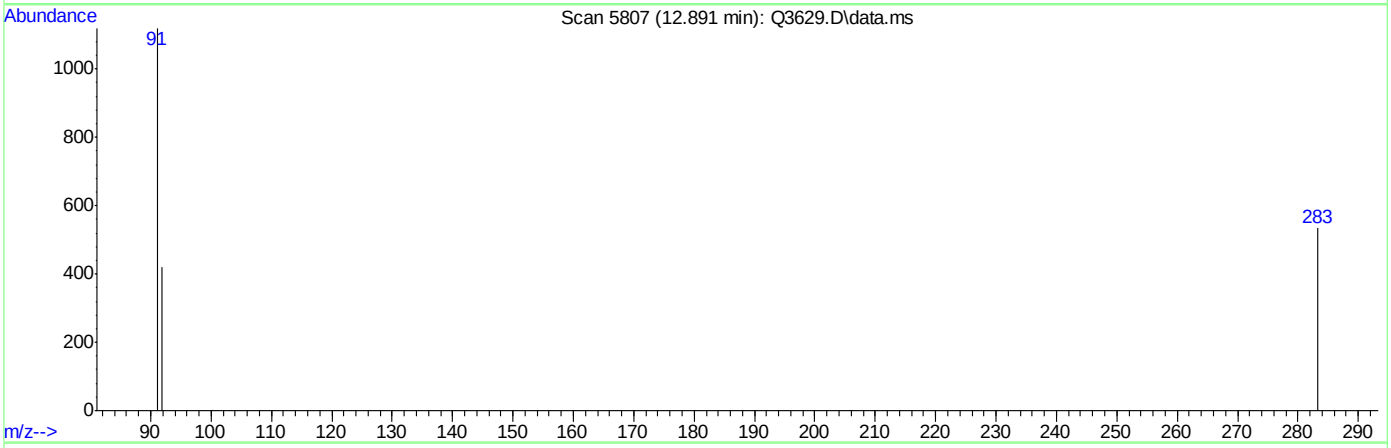
Ion	Exp%	Act%
106.00	100	100
91.00	223.70	0.00#
77.00	30.00	0.00#
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\
Data File : Q3629.D
Acq On : 5 Jun 2007 8:08 pm
Operator : PhilipB
Sample : IC197-.2 (M122)
Misc : MS13684, MSQ197,,,,,1
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Jun 06 09:16:02 2007
Quant Method : C:\msdchem\1\METHODS\Q053007T.m
Quant Title : TO15 by GCMS w/DB-1 60 m X .25 mm ID 1.0 um
QLast Update : Wed Jun 06 09:09:45 2007
Response via : Initial Calibration





TIC: Q3629.D\data.ms

(46) TOLUENE (m)

12.891min 0.00PPBV d

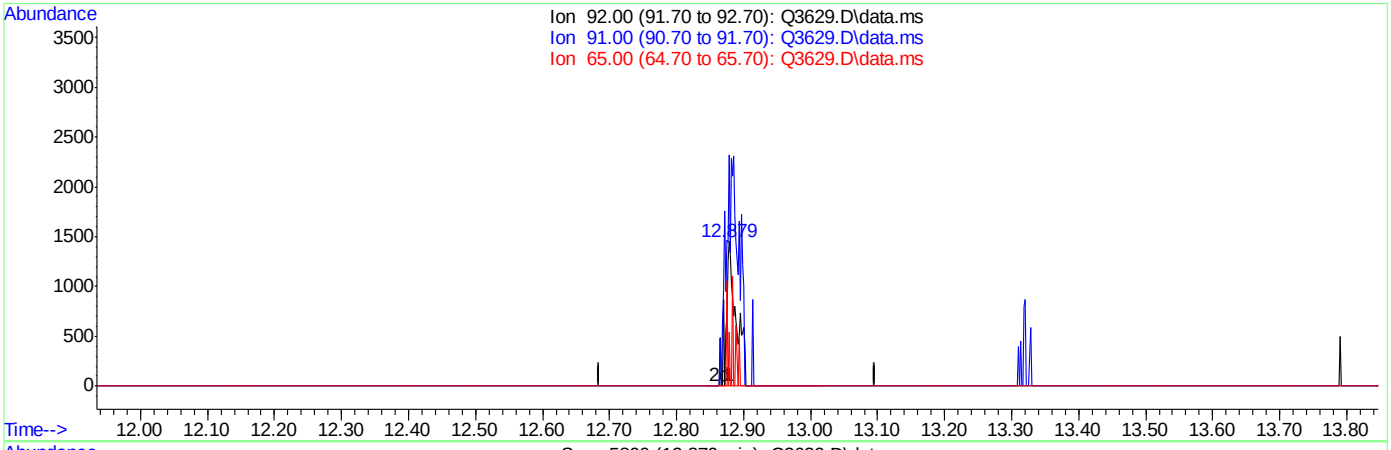
response 0

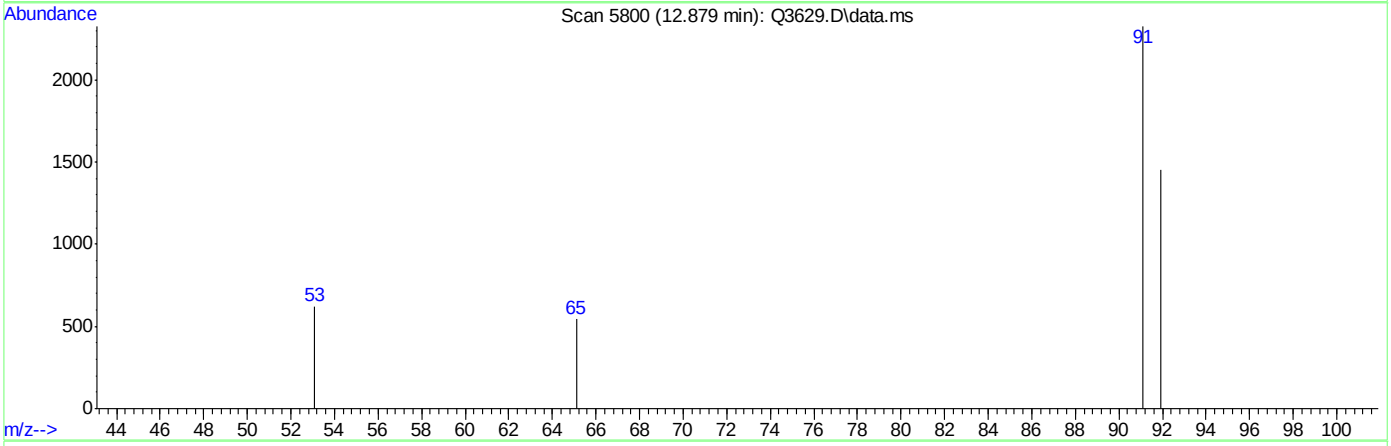
Ion	Exp%	Act%
92.00	100	0.00
91.00	170.80	0.00
65.00	22.90	0.00
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\
Data File : Q3629.D
Acq On : 5 Jun 2007 8:08 pm
Operator : PhilipB
Sample : IC197-.2 (M122)
Misc : MS13684, MSQ197,,,,,1
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Jun 06 09:16:02 2007
Quant Method : C:\msdchem\1\METHODS\Q053007T.m
Quant Title : TO15 by GCMS w/DB-1 60 m X .25 mm ID 1.0 um
QLast Update : Wed Jun 06 09:09:45 2007
Response via : Initial Calibration





TIC: Q3629.D\data.ms

(46) TOLUENE (m)

12.879min (-0.012) 0.10PPBV m

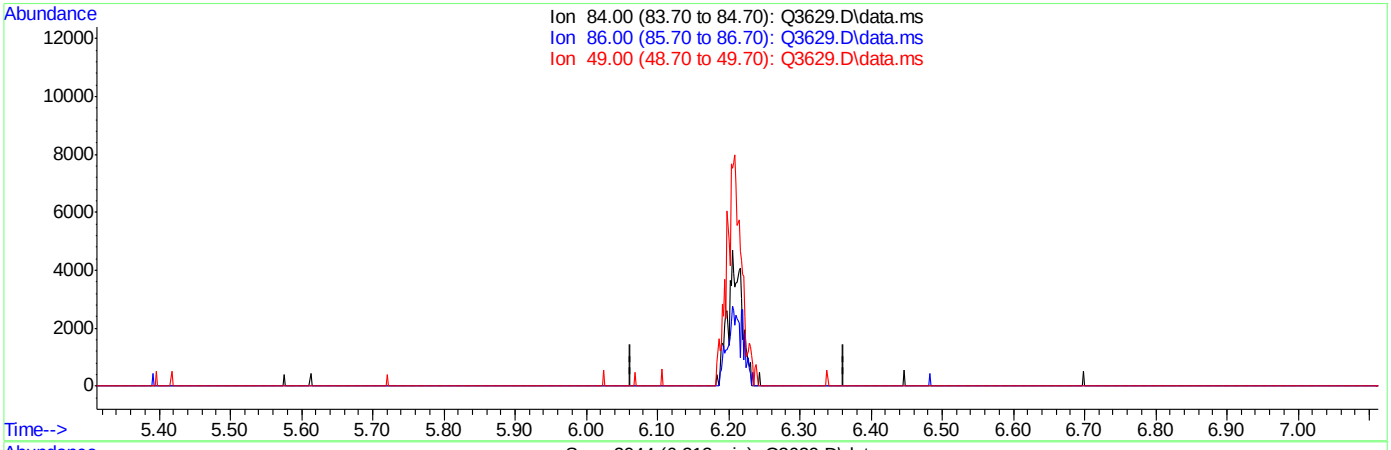
response 1538

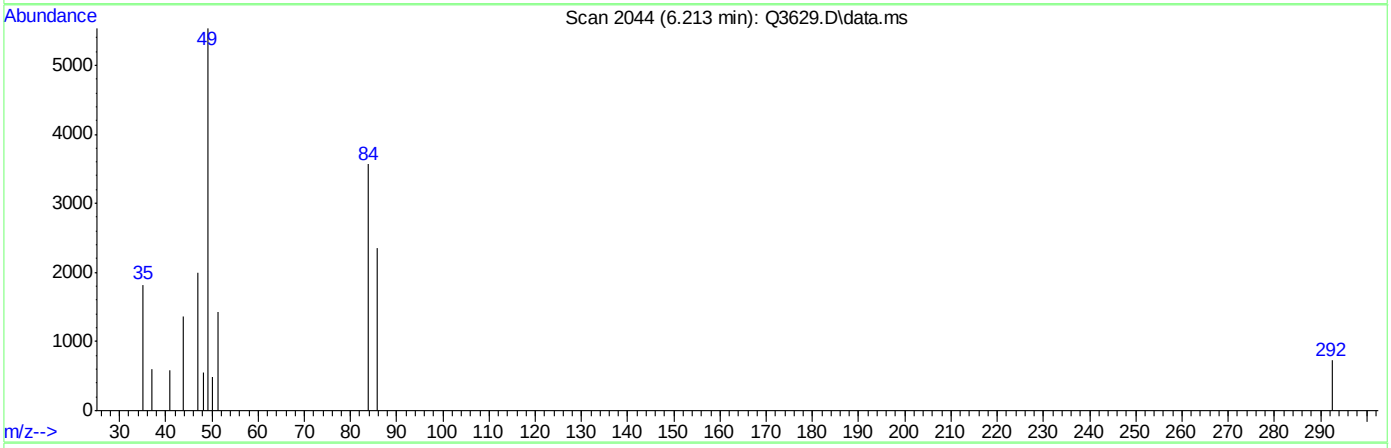
Ion	Exp%	Act%
92.00	100	100
91.00	170.80	0.00#
65.00	22.90	0.00#
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\
Data File : Q3629.D
Acq On : 5 Jun 2007 8:08 pm
Operator : PhilipB
Sample : IC197-.2 (M122)
Misc : MS13684, MSQ197,,,,,1
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Jun 06 09:18:15 2007
Quant Method : C:\msdchem\1\METHODS\Q053007T.m
Quant Title : TO15 by GCMS w/DB-1 60 m X .25 mm ID 1.0 um
QLast Update : Wed Jun 06 09:09:45 2007
Response via : Initial Calibration





TIC: Q3629.D\data.ms

(18) METHYLENE CHLORIDE (m)

6.213min 0.00PPBV d

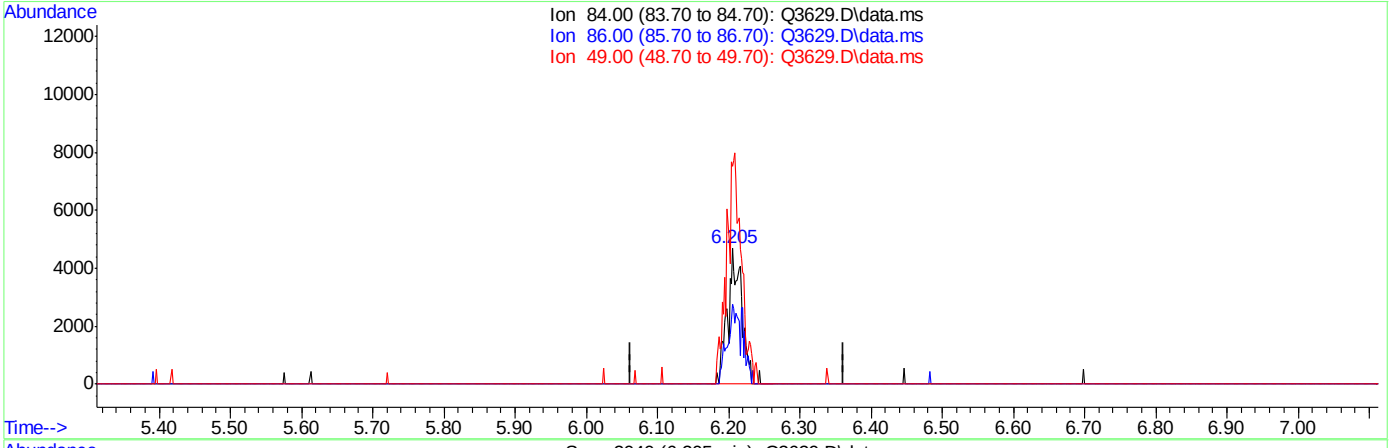
response 0

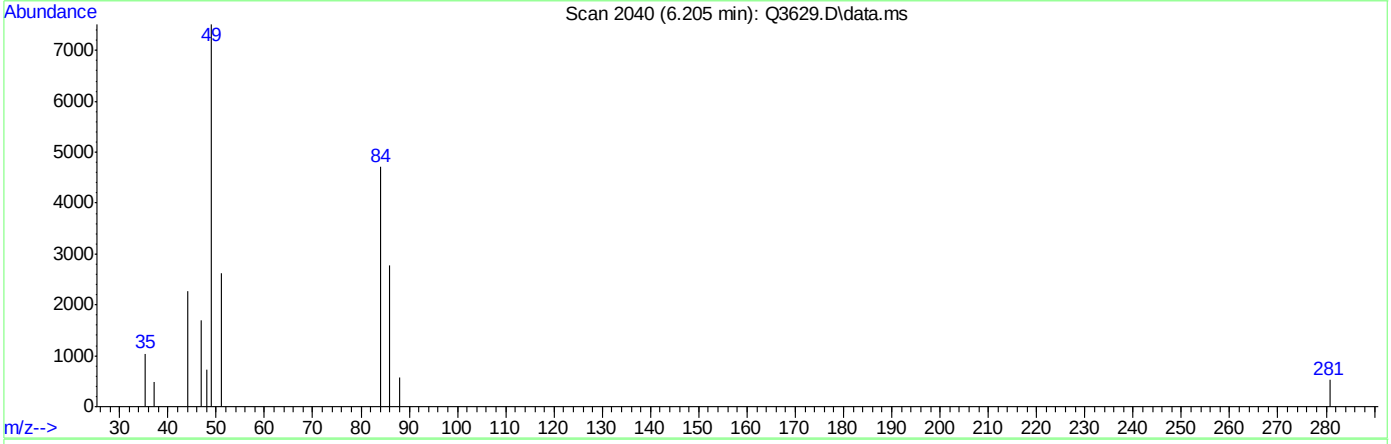
Ion	Exp%	Act%
84.00	100	0.00
86.00	1.10	0.00
49.00	4.00	0.00
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\
Data File : Q3629.D
Acq On : 5 Jun 2007 8:08 pm
Operator : PhilipB
Sample : IC197-.2 (M122)
Misc : MS13684, MSQ197,,,,,1
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Jun 06 09:18:15 2007
Quant Method : C:\msdchem\1\METHODS\Q053007T.m
Quant Title : TO15 by GCMS w/DB-1 60 m X .25 mm ID 1.0 um
QLast Update : Wed Jun 06 09:09:45 2007
Response via : Initial Calibration





TIC: Q3629.D\data.ms

(18) METHYLENE CHLORIDE (m)

6.205min (-0.007) 0.41PPBV m

response 6465

Ion	Exp%	Act%
84.00	100	100
86.00	1.10	0.00
49.00	4.00	0.00
0.00	0.00	0.00

Manual Integrations APPROVED (compounds with "m" flag)
Doug Yargeau
06/08/07 12:42

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\
Data File : Q3631.D
Acq On : 6 Jun 2007 2:41 pm
Operator : PhilipB
Sample : ICV197-10 (M179)
Misc : MS13684, MSQ197,,,,,1
ALS Vial : 4 Sample Multiplier: 1

Quant Time: Jun 06 15:10:15 2007
Quant Method : C:\msdchem\1\METHODS\Q060507T.m
Quant Title : TO15 by GCMS w/DB-1 60 m X .25 mm ID 1.0 um
QLast Update : Wed Jun 06 14:52:22 2007
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) BROMOCHLOROMETHANE	8.433	128	59824	10.00	PPBV	0.00
35) 1,4-DIFLUOROBENZENE	10.351	114	245625	10.00	PPBV	0.00
49) CHLOROBENZENE-D5	14.698	117	223252	10.00	PPBV	0.00

System Monitoring Compounds

61) 4-BROMOFLUOROBENZENE	16.334	95	124950	5.32	PPBV	0.00

Spiked Amount 5.000 Range 57 - 139 Recovery = 106.40%

Target Compounds						Qvalue
2) DICHLORODIFLUOROMETHANE	3.614	85	514439	7.07	PPBV	82
3) PROPYLENE	3.542	41	58041	7.87	PPBV	87
4) FREON 114	3.877	85	418671	7.34	PPBV #	100
5) CHLOROMETHANE	3.779	50	73770	7.41	PPBV	95
6) VINYL CHLORIDE	4.001	62	81238	7.22	PPBV	72
7) 1,3-BUTADIENE	4.140	39	102949	7.92	PPBV #	100
8) BROMOMETHANE	4.420	94	107995	7.08	PPBV #	100
9) CHLOROETHANE	4.594	64	41902	8.38	PPBV #	100
10) TRICHLOROFLUOROMETHANE	5.409	101	761304	8.38	PPBV #	100
11) ISOPROPYL ALCOHOL	5.458	45	226505	8.65	PPBV	89
12) ACETONE	5.204	43	267711	8.49	PPBV	84
13) PENTANE	5.781	42	135453	9.36	PPBV #	100
14) 1,1-DICHLOROETHYLENE	6.085	96	151246	8.76	PPBV #	13
15) CARBON DISULFIDE	6.539	76	433518	9.47	PPBV #	55
16) ETHANOL	4.688	45	28800	7.96	PPBV	100
17) BROMOETHENE	4.963	106	123907	7.52	PPBV #	100
18) METHYLENE CHLORIDE	6.213	84	126756	7.21	PPBV #	1
19) 3-CHLOROPROPENE	6.337	39	208434	9.58	PPBV #	1
20) FREON 113	6.482	151	462976	8.42	PPBV #	100
21) TRANS-1,2-DICHLOROETHY...	7.194	96	180045	9.99	PPBV #	100
22) TERTIARY BUTYL ALCOHOL	6.103	59	326869	9.40	PPBV #	100
23) METHYL TERTIARY BUTYL ...	7.457	73	455617	10.48	PPBV #	100
24) TETRAHYDROFURAN	8.969	42	106704	11.41	PPBV #	100
25) HEXANE	8.470	57	120719	10.88	PPBV #	100
26) VINYL ACETATE	7.542	43	431444	11.30	PPBV	90
27) 1,1-DICHLOROETHANE	7.405	63	337144	11.13	PPBV #	100
28) METHYL ETHYL KETONE	7.801	43	251057	11.15	PPBV	95
29) cis-1,2-DICHLOROETHYLENE	8.261	96	87337	11.12	PPBV #	100
30) ETHYL ACETATE	8.474	43	399875	10.96	PPBV	100
31) CHLOROFORM	8.564	83	323090	10.39	PPBV #	100
32) 1,1,1-TRICHLOROETHANE	9.560	97	391422	10.61	PPBV	91
33) CARBON TETRACHLORIDE	10.167	117	487684	10.47	PPBV	97
34) 1,2-DICHLOROETHANE	9.304	62	274845	10.68	PPBV	99
36) BENZENE	10.014	78	233457	10.69	PPBV	95
37) CYCLOHEXANE	10.291	84	80877	11.20	PPBV #	71
38) TRICHLOROETHYLENE	11.054	95	166232	10.77	PPBV	88
39) 1,2-DICHLOROPROPANE	10.827	63	89293	9.96	PPBV	94
40) BROMODICHLOROMETHANE	11.017	83	323130	9.86	PPBV	100
41) 2,2,4-TRIMETHYLPENTANE	11.081	57	405665	11.14	PPBV #	95
42) 1,4-DIOXANE	11.049	88	49945	11.88	PPBV #	60
43) HEPTANE	11.327	43	168080	10.77	PPBV	83

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\
Data File : Q3631.D
Acq On : 6 Jun 2007 2:41 pm
Operator : PhilipB
Sample : ICV197-10 (M179)
Misc : MS13684, MSQ197,,,,,1
ALS Vial : 4 Sample Multiplier: 1

Quant Time: Jun 06 15:10:15 2007
Quant Method : C:\msdchem\1\METHODS\Q060507T.m
Quant Title : TO15 by GCMS w/DB-1 60 m X .25 mm ID 1.0 um
QLast Update : Wed Jun 06 14:52:22 2007
Response via : Initial Calibration

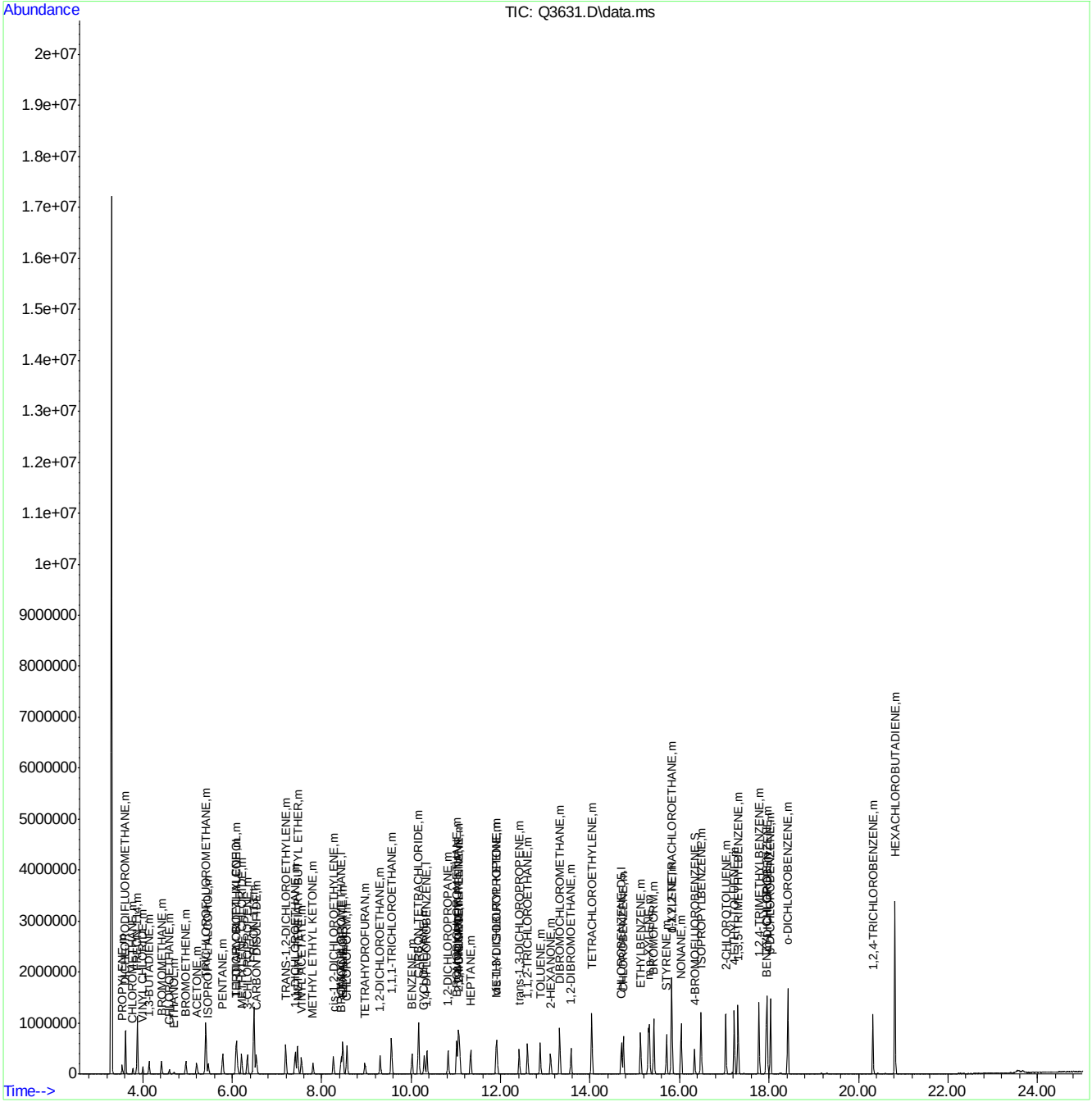
Internal Standards	R.T.	QIon	Response	Conc	Units		Dev(Min)
44) METHYL ISOBUTYL KETONE	11.922	43	285968	11.38	PPBV		90
45) cis-1,3-DICHLOROPROPENE	11.901	75	180201	11.66	PPBV	#	71
46) TOLUENE	12.886	92	183080	10.91	PPBV		99
47) trans-1,3-DICHLOROPROPENE	12.417	75	180375	8.25	PPBV	#	100
48) 1,1,2-TRICHLOROETHANE	12.602	83	104888	12.35	PPBV		94
50) 2-HEXANONE	13.118	43	277777	12.31	PPBV		87
51) TETRACHLOROETHYLENE	14.036	164	173189	10.66	PPBV		96
52) DIBROMOCHLOROMETHANE	13.317	129	369344	10.73	PPBV		99
53) 1,2-DIBROMOETHANE	13.574	107	246616	11.37	PPBV		100
54) CHLOROBENZENE	14.744	112	274818	10.73	PPBV		92
55) ETHYLBENZENE	15.129	91	468206	10.83	PPBV		94
56) m,p-XYLENE	15.330	106	354191m	22.57	PPBV		
57) o-XYLENE	15.828	106	209277	10.82	PPBV	#	86
58) STYRENE	15.709	104	273726	9.00	PPBV		93
59) NONANE	16.034	43	344356	11.85	PPBV		90
60) BROMOFORM	15.422	173	400477	11.48	PPBV		99
62) 1,1,2,2-TETRACHLOROETHANE	15.821	83	352751	13.30	PPBV		96
63) ISOPROPYLBENZENE	16.481	105	660633	10.27	PPBV		94
64) 2-CHLOROTOLUENE	17.032	91	508071	9.83	PPBV		92
65) 4-ETHYLTOLUENE	17.221	105	607371	8.90	PPBV		94
66) 1,3,5-TRIMETHYLBENZENE	17.307	105	592251	9.45	PPBV		93
67) 1,2,4-TRIMETHYLBENZENE	17.775	105	593912	9.37	PPBV		93
68) m-DICHLOROBENZENE	17.958	146	429284	10.05	PPBV		98
69) BENZYL CHLORIDE	17.935	91	484472	10.02	PPBV		92
70) p-DICHLOROBENZENE	18.034	146	415278	9.84	PPBV		97
71) o-DICHLOROBENZENE	18.419	146	515292	10.31	PPBV		99
72) HEXACHLOROBUTADIENE	20.814	225	414549	15.35	PPBV		97
73) 1,2,4-TRICHLOROBENZENE	20.324	180	253060	16.71	PPBV		95

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

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\
Data File : Q3631.D
Acq On : 6 Jun 2007 2:41 pm
Operator : PhilipB
Sample : ICV197-10 (M179)
Misc : MS13684, MSQ197,,,,,1
ALS Vial : 4 Sample Multiplier: 1

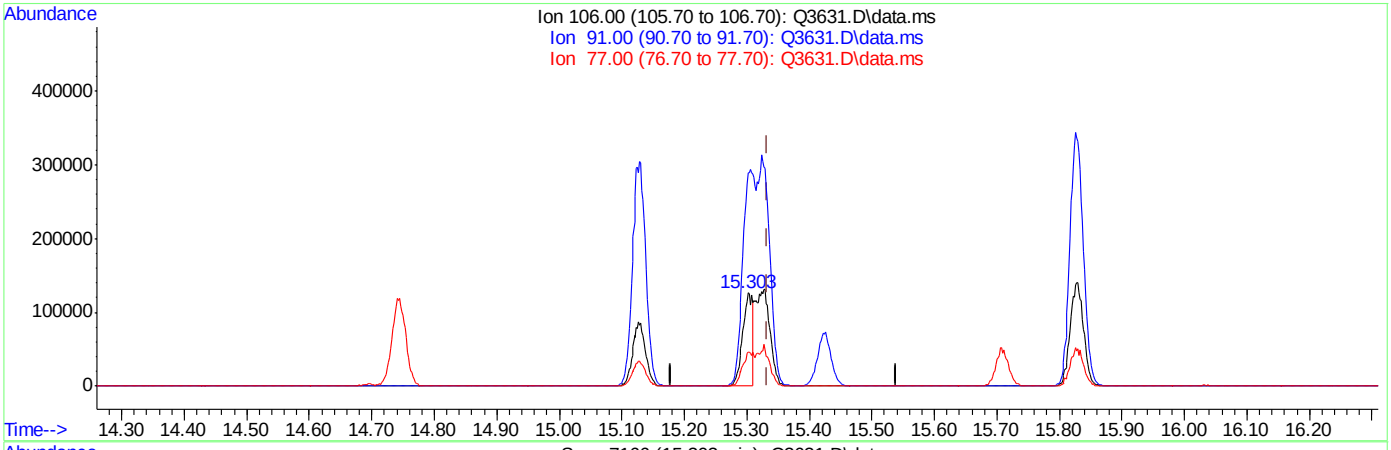
Quant Time: Jun 06 15:10:15 2007
Quant Method : C:\msdchem\1\METHODS\Q060507T.m
Quant Title : TO15 by GCMS w/DB-1 60 m X .25 mm ID 1.0 um
QLast Update : Wed Jun 06 14:52:22 2007
Response via : Initial Calibration

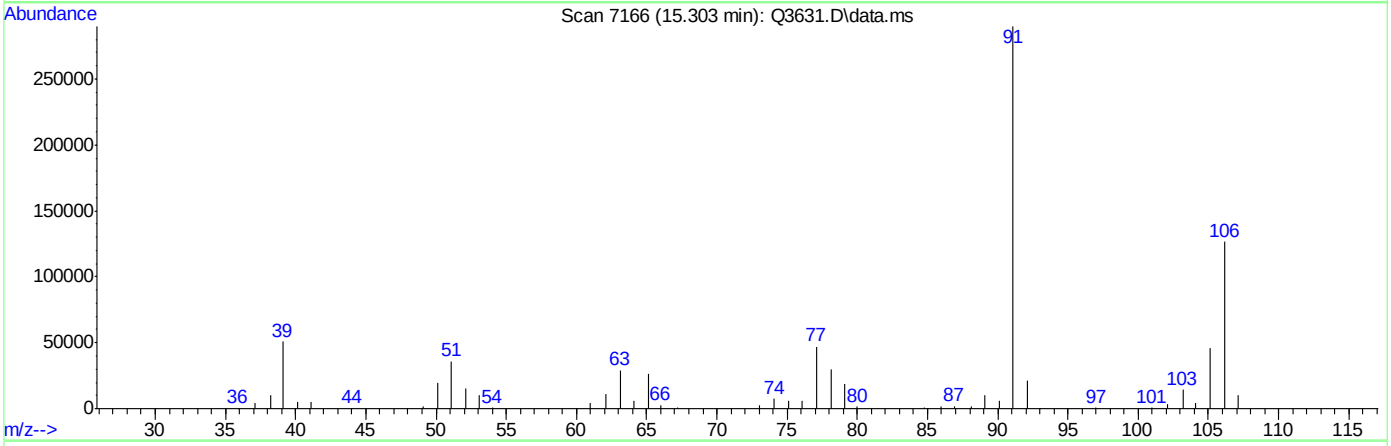


Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\
Data File : Q3631.D
Acq On : 6 Jun 2007 2:41 pm
Operator : PhilipB
Sample : ICV197-10 (M179)
Misc : MS13684, MSQ197,,,,,1
ALS Vial : 4 Sample Multiplier: 1

Quant Time: Jun 06 15:09:56 2007
Quant Method : C:\msdchem\1\METHODS\Q060507T.m
Quant Title : TO15 by GCMS w/DB-1 60 m X .25 mm ID 1.0 um
QLast Update : Wed Jun 06 14:52:22 2007
Response via : Initial Calibration





TIC: Q3631.D\data.ms

(56) m,p-XYLENE (m)

15.303min (-0.031) 10.06PPBV

response 140154

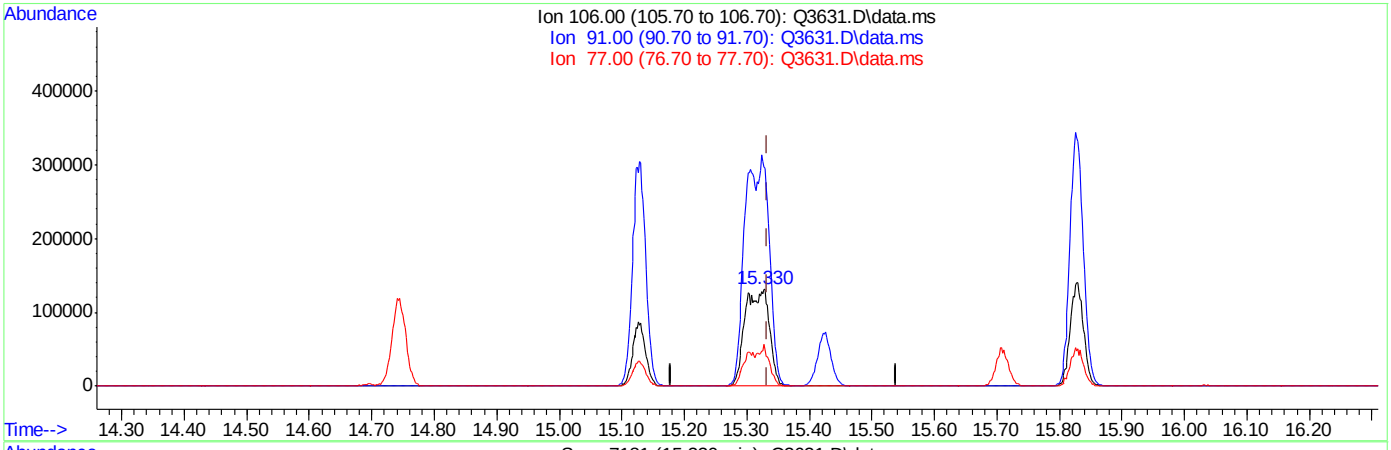
Ion	Exp%	Act%
106.00	100	100
91.00	204.20	229.36
77.00	30.60	37.05#
0.00	0.00	0.00

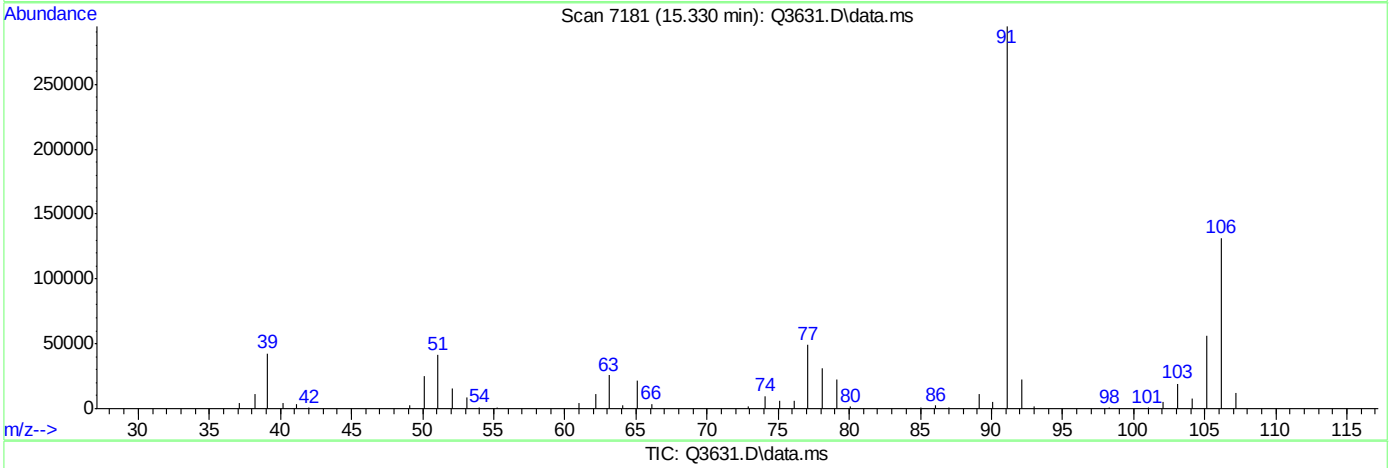
ACCUTEST Laboratories M65137

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\
Data File : Q3631.D
Acq On : 6 Jun 2007 2:41 pm
Operator : PhilipB
Sample : ICV197-10 (M179)
Misc : MS13684, MSQ197,,,,,1
ALS Vial : 4 Sample Multiplier: 1

Quant Time: Jun 06 15:09:56 2007
Quant Method : C:\msdchem\1\METHODS\Q060507T.m
Quant Title : TO15 by GCMS w/DB-1 60 m X .25 mm ID 1.0 um
QLast Update : Wed Jun 06 14:52:22 2007
Response via : Initial Calibration





TIC: Q3631.D\data.ms

(56) m,p-XYLENE (m)

15.330min (-0.004) 22.57PPBV m

response 354191

Ion	Exp%	Act%
106.00	100	100
91.00	204.20	223.93
77.00	30.60	37.28#
0.00	0.00	0.00

Manual Integrations APPROVED (compounds with "m" flag)
Doug Yargeau
06/08/07 15:47

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\
Data File : Q3632.D
Acq On : 6 Jun 2007 3:26 pm
Operator : PhilipB
Sample : CC197-10 (M179)
Misc : MS13699, MSQ198,,,,,1
ALS Vial : 4 Sample Multiplier: 1

Quant Time: Jun 06 16:16:56 2007
Quant Method : C:\msdchem\1\METHODS\Q060507T.m
Quant Title : TO15 by GCMS w/DB-1 60 m X .25 mm ID 1.0 um
QLast Update : Wed Jun 06 14:52:22 2007
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) BROMOCHLOROMETHANE	8.436	128	62280	10.00	PPBV	0.00
35) 1,4-DIFLUOROBENZENE	10.351	114	248885	10.00	PPBV	0.00
49) CHLOROBENZENE-D5	14.696	117	227029	10.00	PPBV	0.00

System Monitoring Compounds

61) 4-BROMOFLUOROBENZENE	16.334	95	128557	5.38	PPBV	0.00

Spiked Amount 5.000 Range 57 - 139 Recovery = 107.60%

Target Compounds							Qvalue
2) DICHLORODIFLUOROMETHANE	3.613	85	665137	8.78	PPBV		84
3) PROPYLENE	3.538	41	83921	10.93	PPBV		92
4) FREON 114	3.875	85	529647	8.92	PPBV	#	100
5) CHLOROMETHANE	3.776	50	101621	9.81	PPBV		95
6) VINYL CHLORIDE	4.001	62	106014	9.05	PPBV		74
7) 1,3-BUTADIENE	4.138	39	119482	8.83	PPBV	#	100
8) BROMOMETHANE	4.420	94	124777	7.86	PPBV	#	100
9) CHLOROETHANE	4.594	64	46344	8.90	PPBV	#	100
10) TRICHLOROFLUOROMETHANE	5.407	101	839719	8.88	PPBV	#	100
11) ISOPROPYL ALCOHOL	5.460	45	251071	9.22	PPBV		95
12) ACETONE	5.201	43	267826	8.16	PPBV		82
13) PENTANE	5.785	42	142848	9.48	PPBV	#	100
14) 1,1-DICHLOROETHYLENE	6.079	96	173309	9.64	PPBV	#	19
15) CARBON DISULFIDE	6.537	76	476390	10.00	PPBV	#	60
16) ETHANOL	4.688	45	29291	7.78	PPBV		100
17) BROMOETHENE	4.960	106	141236	8.23	PPBV	#	100
18) METHYLENE CHLORIDE	6.205	84	144759	7.94	PPBV	#	1
19) 3-CHLOROPROPENE	6.333	39	214469	9.47	PPBV	#	1
20) FREON 113	6.484	151	535756	9.36	PPBV	#	100
21) TRANS-1,2-DICHLOROETHY...	7.194	96	197907	10.55	PPBV	#	100
22) TERTIARY BUTYL ALCOHOL	6.103	59	350988	9.70	PPBV	#	100
23) METHYL TERTIARY BUTYL ...	7.455	73	476191	10.53	PPBV	#	100
24) TETRAHYDROFURAN	8.963	42	104077	10.69	PPBV	#	100
25) HEXANE	8.468	57	113676	9.84	PPBV	#	100
26) VINYL ACETATE	7.544	43	426974	10.74	PPBV		87
27) 1,1-DICHLOROETHANE	7.405	63	349266	11.08	PPBV	#	100
28) METHYL ETHYL KETONE	7.805	43	241695	10.31	PPBV		92
29) cis-1,2-DICHLOROETHYLENE	8.262	96	86047	10.52	PPBV	#	100
30) ETHYL ACETATE	8.474	43	374676	9.87	PPBV		100
31) CHLOROFORM	8.564	83	317724	9.82	PPBV	#	100
32) 1,1,1-TRICHLOROETHANE	9.558	97	396423	10.33	PPBV		94
33) CARBON TETRACHLORIDE	10.165	117	468970	9.67	PPBV		96
34) 1,2-DICHLOROETHANE	9.302	62	275266	10.28	PPBV		98
36) BENZENE	10.018	78	219350	9.92	PPBV		95
37) CYCLOHEXANE	10.289	84	78550	10.73	PPBV	#	79
38) TRICHLOROETHYLENE	11.058	95	161768	10.41	PPBV		90
39) 1,2-DICHLOROPROPANE	10.827	63	86717	9.55	PPBV		99
40) BROMODICHLOROMETHANE	11.015	83	325049	9.79	PPBV		100
41) 2,2,4-TRIMETHYLPENTANE	11.079	57	384320	10.41	PPBV		96
42) 1,4-DIOXANE	11.045	88	47150	11.19	PPBV	#	70
43) HEPTANE	11.329	43	158169	10.00	PPBV		84

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\
Data File : Q3632.D
Acq On : 6 Jun 2007 3:26 pm
Operator : PhilipB
Sample : CC197-10 (M179)
Misc : MS13699, MSQ198,,,,,1
ALS Vial : 4 Sample Multiplier: 1

Quant Time: Jun 06 16:16:56 2007
Quant Method : C:\msdchem\1\METHODS\Q060507T.m
Quant Title : TO15 by GCMS w/DB-1 60 m X .25 mm ID 1.0 um
QLast Update : Wed Jun 06 14:52:22 2007
Response via : Initial Calibration

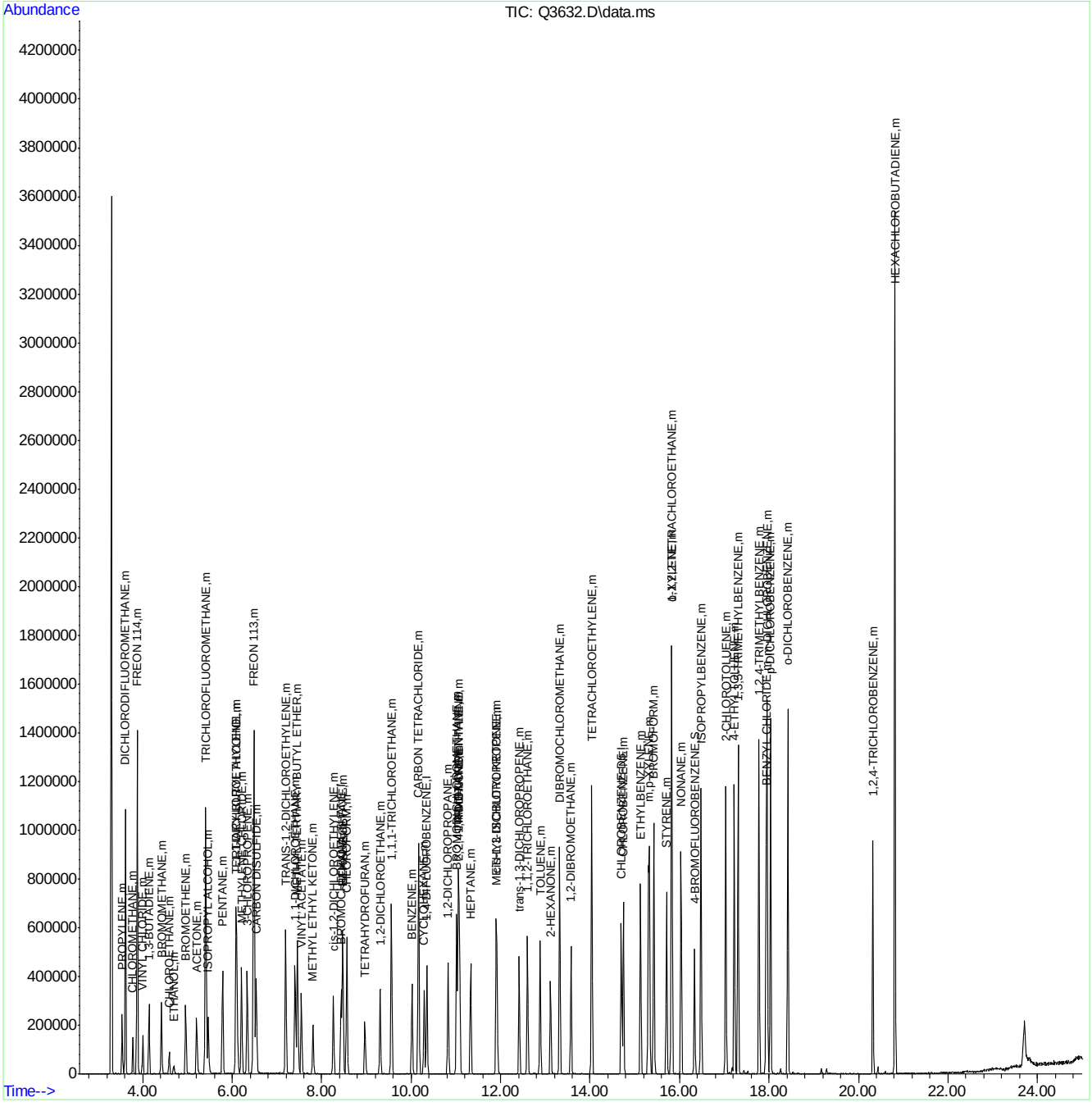
Internal Standards	R.T.	QIon	Response	Conc Units	Dev(Min)
44) METHYL ISOBUTYL KETONE	11.918	43	267993	10.52 PPBV	89
45) cis-1,3-DICHLOROPROPENE	11.902	75	171438	10.95 PPBV #	72
46) TOLUENE	12.882	92	171140	10.20 PPBV	96
47) trans-1,3-DICHLOROPROPENE	12.415	75	174579	7.95 PPBV #	99
48) 1,1,2-TRICHLOROETHANE	12.602	83	99980	11.62 PPBV	93
50) 2-HEXANONE	13.115	43	254950	11.11 PPBV	89
51) TETRACHLOROETHYLENE	14.036	164	181183	10.97 PPBV	97
52) DIBROMOCHLOROMETHANE	13.319	129	376399	10.76 PPBV	99
53) 1,2-DIBROMOETHANE	13.573	107	250848	11.37 PPBV	98
54) CHLOROBENZENE	14.742	112	265030	10.17 PPBV	92
55) ETHYLBENZENE	15.129	91	446201	10.14 PPBV	95
56) m,p-XYLENE	15.324	106	347729m	21.93 PPBV	
57) o-XYLENE	15.827	106	194706	10.06 PPBV #	85
58) STYRENE	15.706	104	253987	8.35 PPBV	94
59) NONANE	16.032	43	319444	10.81 PPBV	90
60) BROMOFORM	15.425	173	385817	11.00 PPBV	97
62) 1,1,2,2-TETRACHLOROETHANE	15.819	83	327761	12.15 PPBV	98
63) ISOPROPYLBENZENE	16.481	105	637107	9.82 PPBV	95
64) 2-CHLOROTOLUENE	17.032	91	489204	9.36 PPBV	93
65) 4-ETHYLTOLUENE	17.223	105	586479	8.51 PPBV	95
66) 1,3,5-TRIMETHYLBENZENE	17.307	105	581750	9.18 PPBV	94
67) 1,2,4-TRIMETHYLBENZENE	17.773	105	587293	9.14 PPBV	94
68) m-DICHLOROBENZENE	17.956	146	433027	9.98 PPBV	96
69) BENZYL CHLORIDE	17.935	91	480300	9.80 PPBV	93
70) p-DICHLOROBENZENE	18.033	146	422258	9.83 PPBV	97
71) o-DICHLOROBENZENE	18.419	146	416291	8.48 PPBV	98
72) HEXACHLOROBUTADIENE	20.814	225	432486	15.63 PPBV	98
73) 1,2,4-TRICHLOROBENZENE	20.322	180	198581	13.72 PPBV	94

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

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\
Data File : Q3632.D
Acq On : 6 Jun 2007 3:26 pm
Operator : PhilipB
Sample : CC197-10 (M179)
Misc : MS13699, MSQ198,,,,,1
ALS Vial : 4 Sample Multiplier: 1

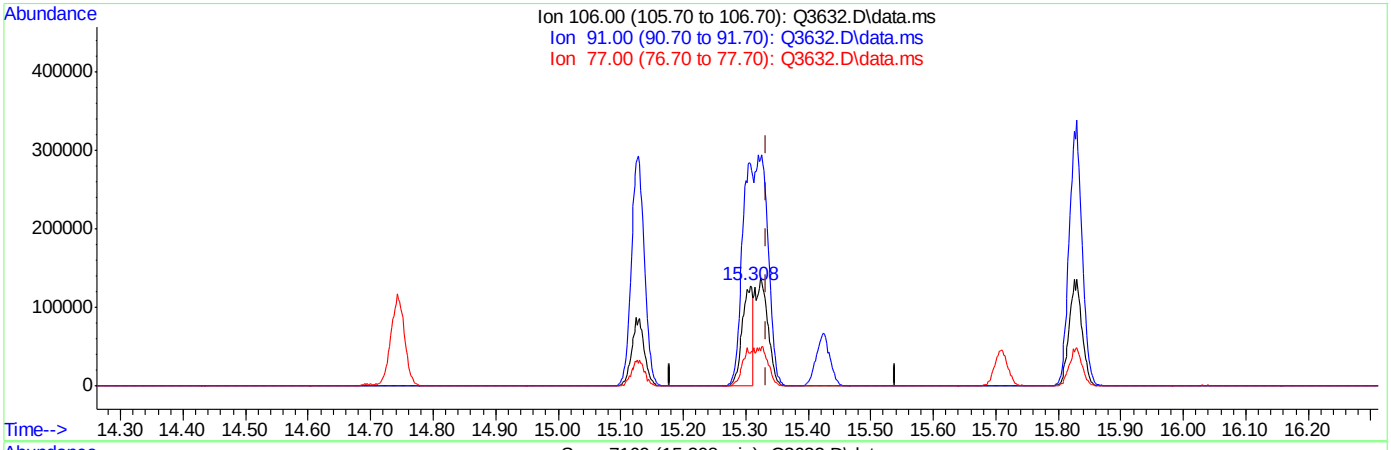
Quant Time: Jun 06 16:16:56 2007
Quant Method : C:\msdchem\1\METHODS\Q060507T.m
Quant Title : TO15 by GCMS w/DB-1 60 m X .25 mm ID 1.0 um
QLast Update : Wed Jun 06 14:52:22 2007
Response via : Initial Calibration

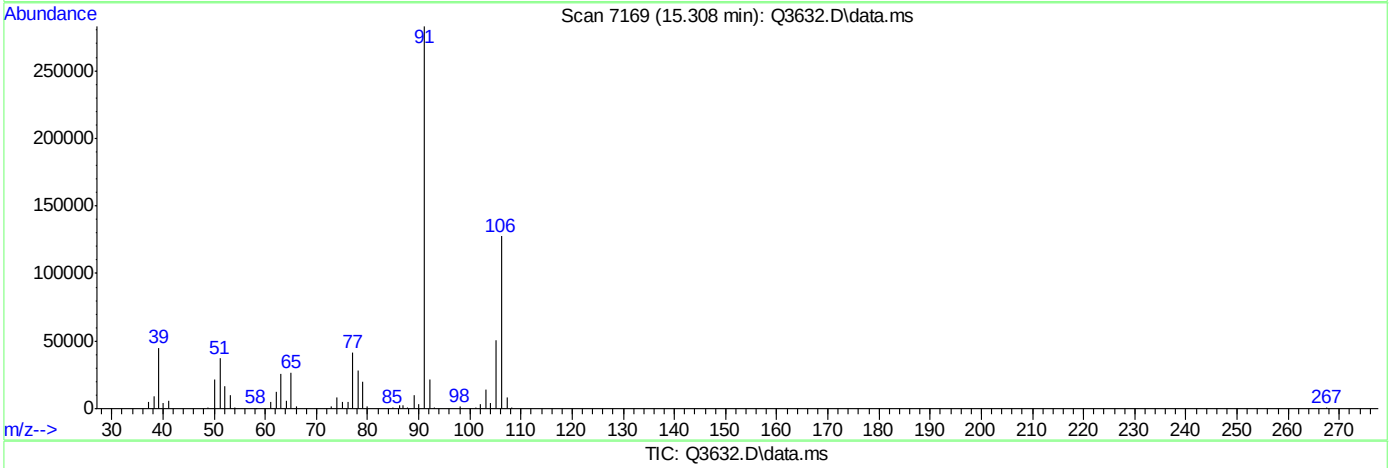


Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\
Data File : Q3632.D
Acq On : 6 Jun 2007 3:26 pm
Operator : PhilipB
Sample : CC197-10 (M179)
Misc : MS13699, MSQ198,,,,,1
ALS Vial : 4 Sample Multiplier: 1

Quant Time: Jun 06 16:16:39 2007
Quant Method : C:\msdchem\1\METHODS\Q060507T.m
Quant Title : TO15 by GCMS w/DB-1 60 m X .25 mm ID 1.0 um
QLast Update : Wed Jun 06 14:52:22 2007
Response via : Initial Calibration





TIC: Q3632.D\data.ms

(56) m,p-XYLENE (m)

15.308min (-0.026) 10.68PPBV

response 151935

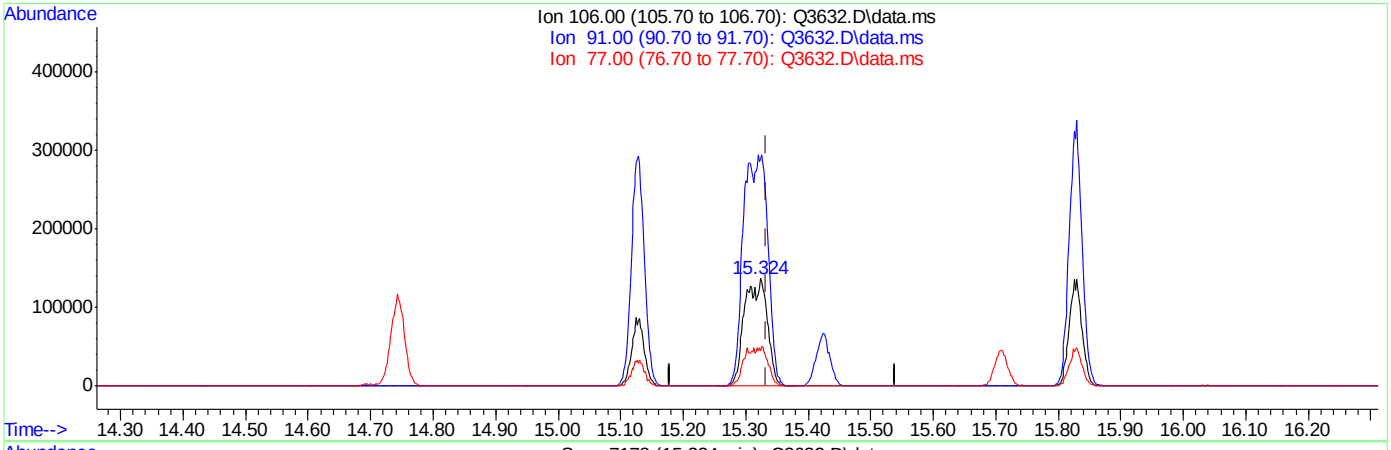
Ion	Exp%	Act%
106.00	100	100
91.00	204.20	221.64
77.00	30.60	32.46
0.00	0.00	0.00

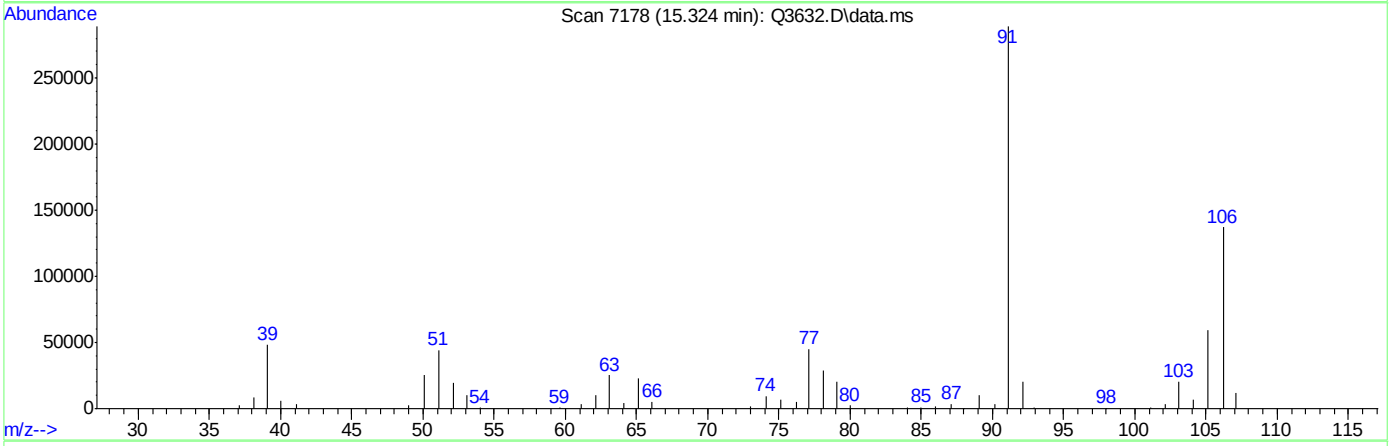
ACCUTEST Laboratories M65137

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\
Data File : Q3632.D
Acq On : 6 Jun 2007 3:26 pm
Operator : PhilipB
Sample : CC197-10 (M179)
Misc : MS13699, MSQ198,,,,,1
ALS Vial : 4 Sample Multiplier: 1

Quant Time: Jun 06 16:16:39 2007
Quant Method : C:\msdchem\1\METHODS\Q060507T.m
Quant Title : TO15 by GCMS w/DB-1 60 m X .25 mm ID 1.0 um
QLast Update : Wed Jun 06 14:52:22 2007
Response via : Initial Calibration





TIC: Q3632.D\data.ms

(56) m,p-XYLENE (m)

15.324min (-0.010) 21.93PPBV m

response 347729

Ion	Exp%	Act%
106.00	100	100
91.00	204.20	211.08
77.00	30.60	32.99
0.00	0.00	0.00

ACCUTEST Laboratories M65137

Standard Lot #	
Calib STD 1	MSA336
Calib STD 2	MSA337
ICV	MSA338
Inter/Surr STD	MSA218
BS/BSD	MSA338

File ID	
Tune File 1	Q3474.D
Tune File 2	NA
Initial Cal.	5-21-07
ID FILE	Q052107T.M
Instrument ID	Q
ICAL:	Q3482.D
Column Type:	RTX-1
Sequence Verified By:	PB 5-22-07

Date:	5/21/2007
Analyst:	PHILIPB
Batch ID:	MSQ189
Matrix:	AIR
Approved By:	DOUGY
Date Approved:	5/23/2007 4:03:23 PM

Data File	Sample ID	Bot #	Work Group #	Test	ALS #	Sample Vol (mls)	Diln Factor	Flow controller ID	Comment
Q3472	CC185-10	M068	MSA338	VTO15STD	1		1	NA	Failed.
Q3473	CC185-10	M068	MSA338	VTO15STD	1		1	NA	Failed; RE-CALIBRATE
Q3474	IC189-40	M060	MSA336	VTO15STD	3		1	NA	O.K.; BFB
Q3475	IC189-20	M060	MSA336	VTO15STD	3		1	NA	O.K.
Q3476	IC189-10	M060	MSA336	VTO15STD	3		1	NA	O.K.
Q3477	IC189-5	M060	MSA336	VTO15STD	3		1	NA	O.K.
Q3478	IC189-2	M060	MSA336	VTO15STD	3		1	NA	O.K.
Q3479	IC189-.5	M044	MSA337	VTO15STD	4		1	NA	O.K.
Q3480	IC189-.2	M044	MSA337	VTO15STD	4		1	NA	O.K.
Q3481	ICV189-10	M068	MSA338	VTO15STD	1		1	NA	ISTD High; re-run.
Q3482	ICV189-10	M068	MSA338	VTO15STD	1		1	NA	O.K.
Q3483	M64897-12	M027	NA	VTO15STD	2		1	NA	O.K.
Q3484	M64897-13	M127	NA	VTO15STD	3		1	NA	O.K.
Q3485	M64897-14	M160	NA	VTO15STD	4		1	NA	O.K.
Q3486	M64897-15	M023	NA	VTO15STD	5		1	NA	O.K.
Q3487	M64897-16	M032	NA	VTO15STD	6		1	NA	O.K.
Q3488	BLK	M117	NA	VTO15STD	7		1	NA	Can contaminated; re-clean.
Q3489	M64897-17	M025	NA	VTO15STD	8		1	NA	O.K.

Standard Lot #	
Calib STD 1	MSA349
Calib STD 2	MSA350
ICV	MSA353
Inter/Surr STD	MSA218
BS/BSD	MSA343
NAP STD	MSA344

File ID	
Tune File 1	Q3622.D
Tune File 2	NA
Initial Cal.	6-5-07
ID FILE	Q060507T.M
Instrument ID	Q
ICAL:	3631.D
Column Type:	RTX-1
Sequence Verified By:	PB 6-6-07

Date: 6/5/2007
Analyst: PHILIPB
Batch ID: MSQ197
Matrix: AIR
Approved By: DOUGY
Date Approved: 6/11/2007 10:33:36 AM

Data File	Sample ID	Bot #	Work Group #	Test	ALS #	Sample Vol (mls)	Diln Factor	Flow controller ID	Comment
Q3622	IC197-4	M142	MSA344	VTO15STD	1		1	NA	O.K.; BFB
Q3623	IC197-40	M109	MSA349	VTO15STD	2		1	NA	O.K.
Q3624	IC197-20	M109	MSA349	VTO15STD	2		1	NA	O.K.
Q3625	ICC197-10	M109	MSA349	VTO15STD	2		1	NA	O.K.
Q3626	IC197-5	M109	MSA349	VTO15STD	2		1	NA	O.K.
Q3627	IC197-2	M109	MSA349	VTO15STD	2		1	NA	O.K.
Q3628	IC197-.5	M122	MSA350	VTO15STD	3		1	NA	O.K.
Q3629	IC197-.2	M122	MSA350	VTO15STD	3		1	NA	O.K.
Q3630	ICV197-10	M021	MSA343	VTO15STD	4		1	NA	STD DEGRADED, MAKE NEW STD.
Q3631	ICV197-10	M179	MSA353	VTO15STD	4		1	NA	O.K.

Standard Lot #	
Calib STD 1	MSA349
Calib STD 2	MSA350
ICV	MSA353
Inter/Surr STD	MSA218
BS/BSD	MSA353
NAP STD	MSA344

File ID	
Tune File 1	Q3632.D
Tune File 2	NA
Initial Cal.	6-5-07
ID FILE	Q060507T.M
Instrument ID	Q
ICAL:	Q3633.D
Column Type:	RTX-1
Sequence Verified By:	PB 6-7-07

Date:	6/6/2007
Analyst:	PHILIPB
Batch ID:	MSQ198
Matrix:	AIR
Approved By:	DOUGY
Date Approved:	6/11/2007 10:34:03 AM

Data File	Sample ID	Bot #	Work Group #	Test	ALS #	Sample Vol (mls)	Diln Factor	Flow controller ID	Comment
Q3632	CC197-10	M179	MSA353	VTO15STD	4		1	NA	O.K. BFB
Q3632A	BS	M179	MSA353	VTO15STD	4		1	NA	O.K.
Q3633	MB	M026	MS13699	VTO15STD	5		1	NA	O.K.
Q3633A	M65337-1	M026	MS13699	VTO15STD	5		1	NA	Cert. Blank (CP428)
Q3634	M65072-1	M087	MS13699	VTO15STD	6		10	MC069	Re-run 5X
Q3635	M65072-1	M087	MS13699	VTO15STD	6		5	MC069	O.K.
Q3636	M65072-1DUP	M087	MS13699	VTO15STD	6		5	MC069	O.K.
Q3637	M65136-3	M171	MS13699	VTO15STD	7		1	NA	O.K.
Q3638	M65136-2	M160	MS13699	VTO15STD	8		1	MC037	O.K.
Q3639	M65136-1	M132	MS13699	VTO15STD	9		1	MC033	O.K.
Q3640	M65137-1	M127	MS13699	VTO15STD	10		10	MC118	O.K.
Q3641	M65246-3	M013	MS13699	VTO15STD	11		20	MC013	O.K.
Q3642	M65337-2	M149	MS13699	VTO15STD	12		1	NA	O.K.
Q3643	M65230-2	M032	MS13699	VTO15STD	13		10	MC113	Re-run straight.
Q3644	M65230-2	M032	MS13699	VTO15STD	13		1	MC113	O.K.
Q3645	M65235-1	M190	MS13699	VTO15STD	14		20	NA	Dilution required due to matrix interference.
Q3646	M65235-2	M183	MS13699	VTO15STD	15		20	NA	Re-run 1000X, not reported
Q3647	BLK	M129	MS13699	VTO15STD	15		1	NA	Carryover.
Q3648	BLK	M129	MS13699	VTO15STD	15		1	NA	Carryover.
Q3649	BLK	M129	MS13699	VTO15STD	15		1	NA	Carryover.
Q3650	BLK	M129	MS13699	VTO15STD	15		1	NA	Carryover.
Q3651	BLK	M129	MS13699	VTO15STD	16		1	NA	Carryover.
Q3652	BLK	M129	MS13699	VTO15STD	15		1	NA	Carryover.
Q3653	BLK	M052	MS13699	VTO15STD	16		1	NA	Carryover.
Q3654	NAP STD	M142	MS13699	VTO15STD	1		1	NA	NA