New England ACCUTEST Laboratories

IT'S ALL IN THE CHEMISTRY

09/19/07

Technical Report for

GEI Consultants, Inc.

GEI Tufts Street Somerville MA

045162

Accutest Job Number: M67589

Sampling Date: 09/06/07

Report to:

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

ATTN: Raymond Siegener, Ph.D.

Total number of pages in report: **225**

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.

Table of Contents

-1-

Section 1: Sample Summary **3**
Section 2: Case Narrative/Conformance Summary **4**
Section 3: Sample Results **5**
3.1: M67589-1: 045162-49TUFTS-1 6
3.2: M67589-2: 045162-49TUFTS-B 7
Section 4: Misc. Forms **8**
4.1: Chain of Custody 9
4.2: Summa Canister and Flow Controller Log 11
4.3: Sample Tracking Chronicle 12
Section 5: GC/MS Volatiles - QC Data Summaries **13**
5.1: Method Blank Summary 14
5.2: Blank Spike Summary 16
5.3: Duplicate Summary 18
5.4: Summa Cleaning Certification 19
5.5: Instrument Performance Checks (BFB) 21
5.6: Internal Standard Area Summaries 25
5.7: Initial Calibration RT/ISTD Area Summaries 27
5.8: Surrogate Recovery Summaries 55
5.9: Initial and Continuing Calibration Summaries 56
Section 6: GC/MS Volatiles - Raw Data **75**
6.1: Samples 76
6.2: Method Blanks 84
6.3: Blank Spikes 89
6.4: Duplicates 95
6.5: Summa Cleaning Certifications 109
6.6: Instrument Performance Checks (BFB) 114
6.7: Initial and Continuing Calibarations 131
6.8: Instrument Run Logs 222

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Sample Summary

GEI Consultants, Inc.

Job No: M67589

GEI Tufts Street Somerville MA
Project No: 045162

Sample Number	Collected Date	Time	By	Received	Matrix Code	Type	Client Sample ID
M67589-1	09/06/07	14:07	SLS	09/11/07	AIR	Air	045162-49TUFTS-1
M67589-2	09/06/07	14:28	SLS	09/11/07	AIR	Air	045162-49TUFTS-B

SAMPLE DELIVERY GROUP CASE NARRATIVE

Client:	GEI Consultants, Inc.	**Job No**	M67589
Site:	GEI Tufts Street Somerville MA	**Report Date**	9/18/2007 4:33:54 PM

2 Sample(s) were collected on 09/06/2007 and were received at Accutest on 09/11/2007 . These Samples received an Accutest job number of M67589. 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:** MSQ241

- All samples were analyzed within the recommended method holding time.
- All method blanks for this batch meet method specific criteria.
- Sample(s) M67591-2DUP were used as the QC samples indicated.
- RPD(s) for Duplicate for Carbon tetrachloride are outside control limits for sample M67591-2DUP. High RPD due to sample levels below reporting limit.
- M67591-2 DUP has internal standard outside control limits due to possible matrix interference. Confirmed by reanalysis.

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(M67589).

Sample Results

Report of Analysis

Accutest Laboratories

Report of Analysis

Client Sample ID:	045162-49TUFTS-1		
Lab Sample ID:	M67589-1	**Date Sampled:**	09/06/07
Matrix:	AIR - Air Summa ID: M073	**Date Received:**	09/11/07
Method:	TO-15	**Percent Solids:**	n/a
Project:	GEI Tufts Street Somerville MA		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	Q4599.D	1	09/14/07	DFT	n/a	n/a	MSQ241
Run #2							

	Initial Volume
Run #1	400 ml
Run #2	

CAS No.	MW	Compound	Result	RL	Units	Q	Result	RL	Units
75-00-3	64.52	Chloroethane	ND	0.20	ppbv		ND	0.53	ug/m3
56-23-5	153.8	Carbon tetrachloride	0.16	0.20	ppbv	J	1.0	1.3	ug/m3
75-34-3	98.96	1,1-Dichloroethane	ND	0.20	ppbv		ND	0.81	ug/m3
75-35-4	96.94	1,1-Dichloroethylene	ND	0.20	ppbv		ND	0.79	ug/m3
107-06-2	98.96	1,2-Dichloroethane	0.11	0.20	ppbv	J	0.45	0.81	ug/m3
156-60-5	96.94	trans-1,2-Dichloroethylene	ND	0.20	ppbv		ND	0.79	ug/m3
156-59-2	96.94	cis-1,2-Dichloroethylene	ND	0.20	ppbv		ND	0.79	ug/m3
71-55-6	133.4	1,1,1-Trichloroethane	0.11	0.20	ppbv	J	0.60	1.1	ug/m3
79-34-5	167.9	1,1,2,2-Tetrachloroethane	ND	0.20	ppbv		ND	1.4	ug/m3
79-00-5	133.4	1,1,2-Trichloroethane	ND	0.20	ppbv		ND	1.1	ug/m3
127-18-4	165.8	Tetrachloroethylene	0.27	0.20	ppbv		1.8	1.4	ug/m3
79-01-6	131.4	Trichloroethylene	ND	0.20	ppbv		ND	1.1	ug/m3
75-01-4	62.5	Vinyl chloride	ND	0.20	ppbv		ND	0.51	ug/m3

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
460-00-4	4-Bromofluorobenzene	78%		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

Accutest Laboratories

Report of Analysis

Client Sample ID:	045162-49TUFTS-B		
Lab Sample ID:	M67589-2	**Date Sampled:**	09/06/07
Matrix:	AIR - Air Summa ID: M033	**Date Received:**	09/11/07
Method:	TO-15	**Percent Solids:**	n/a
Project:	GEI Tufts Street Somerville MA		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	Q4600.D	1	09/14/07	DFT	n/a	n/a	MSQ241
Run #2							

	Initial Volume
Run #1	400 ml
Run #2	

CAS No.	MW	Compound	Result	RL	Units	Q	Result	RL	Units
75-00-3	64.52	Chloroethane	ND	0.20	ppbv		ND	0.53	ug/m3
56-23-5	153.8	Carbon tetrachloride	0.15	0.20	ppbv	J	0.94	1.3	ug/m3
75-34-3	98.96	1,1-Dichloroethane	ND	0.20	ppbv		ND	0.81	ug/m3
75-35-4	96.94	1,1-Dichloroethylene	ND	0.20	ppbv		ND	0.79	ug/m3
107-06-2	98.96	1,2-Dichloroethane	ND	0.20	ppbv		ND	0.81	ug/m3
156-60-5	96.94	trans-1,2-Dichloroethylene	ND	0.20	ppbv		ND	0.79	ug/m3
156-59-2	96.94	cis-1,2-Dichloroethylene	ND	0.20	ppbv		ND	0.79	ug/m3
71-55-6	133.4	1,1,1-Trichloroethane	0.077	0.20	ppbv	J	0.42	1.1	ug/m3
79-34-5	167.9	1,1,2,2-Tetrachloroethane	ND	0.20	ppbv		ND	1.4	ug/m3
79-00-5	133.4	1,1,2-Trichloroethane	ND	0.20	ppbv		ND	1.1	ug/m3
127-18-4	165.8	Tetrachloroethylene	0.27	0.20	ppbv		1.8	1.4	ug/m3
79-01-6	131.4	Trichloroethylene	ND	0.20	ppbv		ND	1.1	ug/m3
75-01-4	62.5	Vinyl chloride	ND	0.20	ppbv		ND	0.51	ug/m3

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
460-00-4	4-Bromofluorobenzene	91%		57-139%

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

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

Misc. Forms

Custody Documents and Other Forms

Includes the following where applicable:

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

CHAIN OF CUSTODY

ACCUTEST Laboratories

Air Sampling Field Data Sheet

FED-EX Tracking #:
Lab Quote #:
Bottle Order Control #:
Lab Job #: M67589

PAGE ___ OF ___

Client / Reporting Information

Company Name: GEI Consultants
Address: 100 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): Samantha Slater

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

Weather Parameters

Temperature (Fahrenheit)
Start: 68.5 Maximum:
Stop: 81.5 Minimum:
Atmospheric Pressure (inches of Hg)
Start: 30.38 Maximum:
Stop: 30.30 Minimum:
Other weather comment:

Lab Sample #	Field ID / Point of Collection	Air Type: Indoor(I) Sol. 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.	Requested Analysis: Standard TO-15 Reporting List	MA DEP APH
-1	045162-49Tufts-1	I	M073	6L	ML073	9/6/07	1014	29	71.2	SLS	9/6/07	1407	4	77.3	SLS		
-2	04962-49Tufts-B	I	M033	6L	ML010	9/6/07	1018	31	69.2	SLS	9/6/07	1428	5	71.9	SLS		

Turnaround Time / Business days

Standard - 15 Days: X
10 Day:
5 Day:
3 Day:
2 Day:
1 Day:
Other:

Approved By:
Date:

Data Deliverable Information

Comm A:
Comm B:
Full T1:
Other: Loc: Ambient

Comments / Remarks

Please see attached list of analytes.

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		1	2 GEI Lab	9/6/07 0930	2 Samantha Slater
3 Samantha Slater	9/6/07 1510	3 GEI Lab	4 GEI Lab	9/6/07 14/7	4 Mark Ensign
5 Mark Ensign	9/11/07 1417	5 William Akers 9/11/07 4584	Custody Seal #		

SM013-01 (2/14/06)

4.1

4

M67589: Chain of Custody
Page 1 of 2

Indoor Air Sampling Analyte List

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

Summa Canister and Flow Controller Log

Job Number: M67589
Account: GEI GEI Consultants, Inc.
Project: GEI Tufts Street Somerville MA
Received: 09/11/07

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
M073	6	29.4	08/21/07	DFT	CP460	Q4360.D	M67589-1	09/12/07	DFT	4.4			1
M033	6	29.4	08/21/07	DFT	CP459	Q4354.D	M67589-2	09/12/07	DFT	3			1

FLOW CONTROLLERS

Shipping					Receiving		
Flow Crtl ID	Date Out	By	cc/ min	Time hrs.	Date In	By	cc/ min
MC010	08/21/07	DFT	20	4	09/12/07	DFT	20.5
MC073	08/21/07	DFT	20	4	09/12/07	DFT	21.5

Accutest Bottle Order(s):
DT/GEI/8-21-07/TUFTS ST

Prep Date	Room Temp(F)	Bar Pres "Hg
08/21/07	70	29.92

Internal Sample Tracking Chronicle

GEI Consultants, Inc.

Job No: M67589

GEI Tufts Street Somerville MA
Project No: 045162

Sample Number	Method	Analyzed	By	Prepped	By	Test Codes
M67589-1	Collected: 06-SEP-07 14:07 By: SLS		Received: 11-SEP-07 By: SAP			
045162-49TUFTS-1						
M67589-1	TO-15	14-SEP-07 01:49	DFT			VTO15STD
M67589-2	Collected: 06-SEP-07 14:28 By: SLS		Received: 11-SEP-07 By: SAP			
045162-49TUFTS-B						
M67589-2	TO-15	14-SEP-07 02:30	DFT			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: M67589
Account: GEI GEI Consultants, Inc.
Project: GEI Tufts Street Somerville MA

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
MSQ241-MB	Q4588.D	1	09/13/07	DFT	n/a	n/a	MSQ241

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

M67589-1, M67589-2

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	87%	57-139%

Method Blank Summary

Job Number: M67589
Account: GEI GEI Consultants, Inc.
Project: GEI Tufts Street Somerville MA

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
MSQ230-MB	Q4344A.D	1	08/20/07	DFT	n/a	n/a	MSQ230

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

MSQ230-SCC

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	66%	57-139%

Blank Spike Summary

Job Number: M67589
Account: GEI GEI Consultants, Inc.
Project: GEI Tufts Street Somerville MA

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
MSQ241-BS	Q4586B.D	1	09/13/07	DFT	n/a	n/a	MSQ241

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

M67589-1, M67589-2

CAS No.	Compound	Spike ppbv	BSP ppbv	BSP %	Limits
75-00-3	Chloroethane	10	9.5	95	70-130
56-23-5	Carbon tetrachloride	10	10.5	105	70-130
75-34-3	1,1-Dichloroethane	10	9.1	91	70-130
75-35-4	1,1-Dichloroethylene	10	9.4	94	70-130
107-06-2	1,2-Dichloroethane	10	10.6	106	70-130
156-60-5	trans-1,2-Dichloroethylene	10	9.5	95	70-130
156-59-2	cis-1,2-Dichloroethylene	10	10.9	109	70-130
71-55-6	1,1,1-Trichloroethane	10	10.1	101	70-130
79-34-5	1,1,2,2-Tetrachloroethane	10	9.9	99	70-130
79-00-5	1,1,2-Trichloroethane	10	9.1	91	70-130
127-18-4	Tetrachloroethylene	10	11.1	111	70-130
79-01-6	Trichloroethylene	10	10.3	103	70-130
75-01-4	Vinyl chloride	10	10.2	102	70-130

CAS No.	Surrogate Recoveries	BSP	Limits
460-00-4	4-Bromofluorobenzene	111%	57-139%

Blank Spike Summary

Job Number: M67589
Account: GEI GEI Consultants, Inc.
Project: GEI Tufts Street Somerville MA

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
MSQ230-BS	Q4342B.D	1	08/20/07	DFT	n/a	n/a	MSQ230

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

MSQ230-SCC

CAS No.	Compound	Spike ppbv	BSP ppbv	BSP %	Limits
75-00-3	Chloroethane	10	10.8	108	70-130
56-23-5	Carbon tetrachloride	10	11.9	119	70-130
75-34-3	1,1-Dichloroethane	10	11.5	115	70-130
75-35-4	1,1-Dichloroethylene	10	10.9	109	70-130
107-06-2	1,2-Dichloroethane	10	13.0	130	70-130
156-60-5	trans-1,2-Dichloroethylene	10	12.0	120	70-130
156-59-2	cis-1,2-Dichloroethylene	10	13.4	134* [a]	70-130
71-55-6	1,1,1-Trichloroethane	10	11.7	117	70-130
79-34-5	1,1,2,2-Tetrachloroethane	10	13.7	137* [a]	70-130
79-00-5	1,1,2-Trichloroethane	10	13.2	132* [a]	70-130
127-18-4	Tetrachloroethylene	10	11.5	115	70-130
79-01-6	Trichloroethylene	10	14.0	140* [a]	70-130
75-01-4	Vinyl chloride	10	11.0	110	70-130

CAS No.	Surrogate Recoveries	BSP	Limits
460-00-4	4-Bromofluorobenzene	109%	57-139%

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

Duplicate Summary

Job Number: M67589
Account: GEI GEI Consultants, Inc.
Project: GEI Tufts Street Somerville MA

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
M67591-2DUP	Q4603.D	1	09/14/07	DFT	n/a	n/a	MSQ241
M67591-2	Q4602.D	1	09/14/07	DFT	n/a	n/a	MSQ241

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

M67589-1, M67589-2

CAS No.	Compound	M67591-2 ppbv	Q	DUP ppbv	Q	RPD	Limits
75-00-3	Chloroethane	ND		ND		nc	25
56-23-5	Carbon tetrachloride	0.10	J	0.13	J	26* [a]	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	M67591-2	Limits
460-00-4	4-Bromofluorobenzene	81%	84%	57-139%

(a) High RPD due to sample levels below reporting limit.

Summa Cleaning Certification

Job Number: M67589
Account: GEI GEI Consultants, Inc.
Project: GEI Tufts Street Somerville MA

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
MSQ230-SCC	Q4350.D	1	08/20/07	DFT	n/a	n/a	MSQ230

The QC reported here (Summa M033) applies to the following samples: **Method:** TO-15

Batch CP459 cleaned 08/14/07: M67589-2(M033)

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	65%	57-139%

Summa Cleaning Certification

Job Number: M67589
Account: GEI GEI Consultants, Inc.
Project: GEI Tufts Street Somerville MA

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
MSQ230-SCC	Q4358.D	1	08/21/07	DFT	n/a	n/a	MSQ230

The QC reported here (Summa M073) applies to the following samples: **Method:** TO-15

Batch CP460 cleaned 08/15/07: M67589-1(M073)

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	70%	57-139%

Instrument Performance Check (BFB)

Job Number: M67589
Account: GEI GEI Consultants, Inc.
Project: GEI Tufts Street Somerville MA

Sample: MSQ230-BFB
Lab File ID: Q4334.D
Instrument ID: GCMSQ
Injection Date: 08/20/07
Injection Time: 11:56

m/e	Ion Abundance Criteria	Raw Abundance	% Relative Abundance		Pass/Fail
50	8.0 - 40.0% of mass 95	64589	30.2		Pass
75	30.0 - 66.0% of mass 95	124064	58.1		Pass
95	Base peak, 100% relative abundance	213653	100.0		Pass
96	5.0 - 9.0% of mass 95	12965	6.1		Pass
173	Less than 2.0% of mass 174	0	0.0	(0.0) [a]	Pass
174	50.0 - 120.0% of mass 95	125282	58.6		Pass
175	4.0 - 9.0% of mass 174	7634	3.6	(6.1) [a]	Pass
176	93.0 - 101.0% of mass 174	120357	56.3	(96.1) [a]	Pass
177	5.0 - 9.0% of mass 176	7193	3.4	(6.0) [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
MSQ230-IC230	Q4334.D	08/20/07	11:56	00:00	Initial cal 0.5
MSQ230-IC230	Q4335.D	08/20/07	12:45	00:49	Initial cal 0.2
MSQ230-IC230	Q4336.D	08/20/07	13:29	01:33	Initial cal 40
MSQ230-ICC230	Q4338.D	08/20/07	14:53	02:57	Initial cal 10
MSQ230-IC230	Q4339.D	08/20/07	15:35	03:39	Initial cal 5
MSQ230-IC230	Q4340.D	08/20/07	16:17	04:21	Initial cal 2
MSQ230-IC230	Q4341.D	08/20/07	17:06	05:10	Initial cal 20
MSQ230-ICV230	Q4342.D	08/20/07	17:49	05:53	Initial cal verification 10

Instrument Performance Check (BFB)

Job Number: M67589
Account: GEI GEI Consultants, Inc.
Project: GEI Tufts Street Somerville MA

Sample: MSQ230-BFB
Lab File ID: Q4342A.D
Instrument ID: GCMSQ
Injection Date: 08/20/07
Injection Time: 17:49

m/e	Ion Abundance Criteria	Raw Abundance	% Relative Abundance		Pass/Fail
50	8.0 - 40.0% of mass 95	70636	32.5		Pass
75	30.0 - 66.0% of mass 95	133773	61.5		Pass
95	Base peak, 100% relative abundance	217632	100.0		Pass
96	5.0 - 9.0% of mass 95	14127	6.5		Pass
173	Less than 2.0% of mass 174	462	0.21	(0.34) [a]	Pass
174	50.0 - 120.0% of mass 95	134158	61.6		Pass
175	4.0 - 9.0% of mass 174	10839	5.0	(8.1) [a]	Pass
176	93.0 - 101.0% of mass 174	129317	59.4	(96.4) [a]	Pass
177	5.0 - 9.0% of mass 176	9255	4.3	(7.2) [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
MSQ230-CC230	Q4342A.D	08/20/07	17:49	00:00	Continuing cal 10
MSQ230-BS	Q4342B.D	08/20/07	17:49	00:00	Blank Spike
MSQ230-SCC	Q4344.D	08/20/07	19:13	01:24	Summa Cleaning Certification
MSQ230-MB	Q4344A.D	08/20/07	19:13	01:24	Method Blank
MSQ230-SCC	Q4345.D	08/20/07	19:56	02:07	Summa Cleaning Certification
MSQ230-SCC	Q4346.D	08/20/07	20:38	02:49	Summa Cleaning Certification
MSQ230-SCC	Q4347.D	08/20/07	21:20	03:31	Summa Cleaning Certification
MSQ230-SCC	Q4348.D	08/20/07	22:03	04:14	Summa Cleaning Certification
MSQ230-SCC	Q4349.D	08/20/07	22:45	04:56	Summa Cleaning Certification
MSQ230-SCC	Q4350.D	08/20/07	23:27	05:38	Summa Cleaning Certification
MSQ230-SCC	Q4351.D	08/21/07	00:09	06:20	Summa Cleaning Certification
MSQ230-SCC	Q4352.D	08/21/07	00:51	07:02	Summa Cleaning Certification
MSQ230-SCC	Q4353.D	08/21/07	01:33	07:44	Summa Cleaning Certification
MSQ230-SCC	Q4354.D	08/21/07	02:15	08:26	Summa Cleaning Certification
MSQ230-SCC	Q4355.D	08/21/07	02:58	09:09	Summa Cleaning Certification
MSQ230-SCC	Q4356.D	08/21/07	03:40	09:51	Summa Cleaning Certification
MSQ230-SCC	Q4357.D	08/21/07	09:45	15:56	Summa Cleaning Certification
MSQ230-SCC	Q4358.D	08/21/07	10:28	16:39	Summa Cleaning Certification
MSQ230-SCC	Q4359.D	08/21/07	11:10	17:21	Summa Cleaning Certification
MSQ230-SCC	Q4360.D	08/21/07	11:53	18:04	Summa Cleaning Certification
MSQ230-SCC	Q4366.D	08/21/07	16:08	22:19	Summa Cleaning Certification

Instrument Performance Check (BFB)

Job Number: M67589
Account: GEI GEI Consultants, Inc.
Project: GEI Tufts Street Somerville MA

Sample: MSQ241-BFB
Lab File ID: Q4577.D
Instrument ID: GCMSQ
Injection Date: 09/13/07
Injection Time: 09:03

m/e	Ion Abundance Criteria	Raw Abundance	% Relative Abundance		Pass/Fail
50	8.0 - 40.0% of mass 95	49464	21.3		Pass
75	30.0 - 66.0% of mass 95	113706	48.9		Pass
95	Base peak, 100% relative abundance	232341	100.0		Pass
96	5.0 - 9.0% of mass 95	14664	6.3		Pass
173	Less than 2.0% of mass 174	0	0.0	(0.0) [a]	Pass
174	50.0 - 120.0% of mass 95	179648	77.3		Pass
175	4.0 - 9.0% of mass 174	15186	6.5	(8.5) [a]	Pass
176	93.0 - 101.0% of mass 174	174912	75.3	(97.4) [a]	Pass
177	5.0 - 9.0% of mass 176	11443	4.9	(6.5) [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
MSQ241-IC241	Q4577.D	09/13/07	09:03	00:00	Initial cal 0.5
MSQ241-IC241	Q4578.D	09/13/07	09:53	00:50	Initial cal 0.2
MSQ241-IC241	Q4579.D	09/13/07	10:41	01:38	Initial cal 40
MSQ241-IC241	Q4580.D	09/13/07	11:22	02:19	Initial cal 20
MSQ241-ICC241	Q4581.D	09/13/07	12:05	03:02	Initial cal 10
MSQ241-IC241	Q4582.D	09/13/07	12:47	03:44	Initial cal 5
MSQ241-IC241	Q4583.D	09/13/07	13:29	04:26	Initial cal 2
MSQ241-ICV241	Q4586.D	09/13/07	15:45	06:42	Initial cal verification 10

Instrument Performance Check (BFB)

Job Number: M67589
Account: GEI GEI Consultants, Inc.
Project: GEI Tufts Street Somerville MA

Sample: MSQ241-BFB
Lab File ID: Q4586A.D
Instrument ID: GCMSQ
Injection Date: 09/13/07
Injection Time: 15:45

m/e	Ion Abundance Criteria	Raw Abundance	% Relative Abundance		Pass/Fail
50	8.0 - 40.0% of mass 95	46725	19.7		Pass
75	30.0 - 66.0% of mass 95	115832	48.9		Pass
95	Base peak, 100% relative abundance	236949	100.0		Pass
96	5.0 - 9.0% of mass 95	15880	6.7		Pass
173	Less than 2.0% of mass 174	0	0.0	(0.0) [a]	Pass
174	50.0 - 120.0% of mass 95	194890	82.2		Pass
175	4.0 - 9.0% of mass 174	15674	6.6	(8.0) [a]	Pass
176	93.0 - 101.0% of mass 174	187498	79.1	(96.2) [a]	Pass
177	5.0 - 9.0% of mass 176	12201	5.1	(6.5) [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
MSQ241-CC241	Q4586A.D	09/13/07	15:45	00:00	Continuing cal 10
MSQ241-BS	Q4586B.D	09/13/07	15:45	00:00	Blank Spike
MSQ241-MB	Q4588.D	09/13/07	18:12	02:27	Method Blank
MSQ241-SCC	Q4588A.D	09/13/07	18:12	02:27	Summa Cleaning Certification
ZZZZZZ	Q4589.D	09/13/07	18:55	03:10	(unrelated sample)
ZZZZZZ	Q4590.D	09/13/07	19:37	03:52	(unrelated sample)
M67589-1	Q4599.D	09/14/07	01:49	10:04	045162-49TUFTS-1
M67589-2	Q4600.D	09/14/07	02:30	10:45	045162-49TUFTS-B
ZZZZZZ	Q4601.D	09/14/07	03:12	11:27	(unrelated sample)
M67591-2	Q4602.D	09/14/07	03:55	12:10	(used for QC only; not part of job M67589)
M67591-2DUP	Q4603.D	09/14/07	09:00	17:15	Duplicate
ZZZZZZ	Q4604.D	09/14/07	09:42	17:57	(unrelated sample)
ZZZZZZ	Q4605.D	09/14/07	10:25	18:40	(unrelated sample)
ZZZZZZ	Q4606.D	09/14/07	11:07	19:22	(unrelated sample)
ZZZZZZ	Q4607.D	09/14/07	11:49	20:04	(unrelated sample)
ZZZZZZ	Q4608.D	09/14/07	12:32	20:47	(unrelated sample)
ZZZZZZ	Q4609.D	09/14/07	13:15	21:30	(unrelated sample)
ZZZZZZ	Q4610.D	09/14/07	13:57	22:12	(unrelated sample)

Volatile Internal Standard Area Summary

Job Number: M67589
Account: GEI GEI Consultants, Inc.
Project: GEI Tufts Street Somerville MA

Check Std:	MSQ230-CC230	**Injection Date:**	08/20/07
Lab File ID:	Q4342A.D	**Injection Time:**	17:49
Instrument ID:	GCMSQ	**Method:**	TO-15

	IS 1 AREA	RT	IS 2 AREA	RT	IS 3 AREA	RT
Check Std	263852	8.63	1247822	10.46	962103	14.70
Upper Limit [a]	369393	8.96	1746951	10.79	1346944	15.03
Lower Limit [b]	158311	8.30	748693	10.13	577262	14.37

Lab Sample ID	IS 1 AREA	RT	IS 2 AREA	RT	IS 3 AREA	RT
MSQ230-BS	263852	8.63	1247822	10.46	962103	14.70
MSQ230-SCC	275315	8.63	1171030	10.46	854558	14.70
MSQ230-MB	275315	8.63	1171030	10.46	854558	14.70
MSQ230-SCC	268303	8.63	1142409	10.46	837229	14.70
MSQ230-SCC	256978	8.63	1082157	10.46	811590	14.70
MSQ230-SCC	266572	8.63	1148377	10.46	827849	14.70
MSQ230-SCC	256787	8.63	1081654	10.46	802737	14.70
MSQ230-SCC	255591	8.63	1073326	10.46	801893	14.70
MSQ230-SCC	265753	8.63	1150030	10.46	846220	14.70
MSQ230-SCC	268374	8.63	1163824	10.46	871921	14.70
MSQ230-SCC	258398	8.63	1115914	10.46	834257	14.70
MSQ230-SCC	255231	8.63	1092359	10.46	818831	14.70
MSQ230-SCC	249946	8.64	1050730	10.46	783683	14.70
MSQ230-SCC	254957	8.63	1053238	10.46	806969	14.70
MSQ230-SCC	243053	8.63	1025344	10.46	756805	14.70
MSQ230-SCC	310449	8.63	1403068	10.46	1120029	14.70
MSQ230-SCC	266496	8.63	1117878	10.46	829133	14.70
MSQ230-SCC	261039	8.63	1120735	10.46	837265	14.70
MSQ230-SCC	245778	8.63	996605	10.46	740892	14.70
MSQ230-SCC	253830	8.63	1105096	10.46	808493	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: M67589
Account: GEI GEI Consultants, Inc.
Project: GEI Tufts Street Somerville MA

Check Std:	MSQ241-CC241	**Injection Date:**	09/13/07
Lab File ID:	Q4586A.D	**Injection Time:**	15:45
Instrument ID:	GCMSQ	**Method:**	TO-15

	IS 1 AREA	RT	IS 2 AREA	RT	IS 3 AREA	RT
Check Std	234976	8.63	1251450	10.46	1047038	14.70
Upper Limit [a]	328966	8.96	1752030	10.79	1465853	15.03
Lower Limit [b]	140986	8.30	750870	10.13	628223	14.37

Lab Sample ID	IS 1 AREA	RT	IS 2 AREA	RT	IS 3 AREA	RT
MSQ241-BS	234976	8.63	1251450	10.46	1047038	14.70
MSQ241-MB	257391	8.62	1256319	10.45	986882	14.69
MSQ241-SCC	257391	8.62	1256319	10.45	986882	14.69
ZZZZZZ	225999	8.63	1051485	10.46	800087	14.70
ZZZZZZ	216760	8.63	974667	10.45	758671	14.70
M67589-1	196236	8.63	826418	10.46	660614	14.70
M67589-2	234006	8.63	1107221	10.46	939188	14.70
ZZZZZZ	234528	8.63	1147136	10.46	903806	14.70
M67591-2	226901	8.63	1082065	10.45	849903	14.70
M67591-2DUP	148759	8.63	673284[c]	10.45	502104[c]	14.70
ZZZZZZ	233557	8.62	1113801	10.45	946654	14.70
ZZZZZZ	209521	8.63	939601	10.45	755815	14.70
ZZZZZZ	216750	8.63	966264	10.45	750747	14.70
ZZZZZZ	189410	8.63	815331	10.45	639411	14.70
ZZZZZZ	184485	8.63	795973	10.45	683199	14.70
ZZZZZZ	187497	8.63	787331	10.45	683772	14.70
ZZZZZZ	213597	8.63	929899	10.46	751132	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.
(c) Outside control limits due to possible matrix interference. Results confirmed by reanalysis.

Initial Calibration Retention Time/Internal Standard Area Summary

Job Number: M67589
Account: GEI GEI Consultants, Inc.
Project: GEI Tufts Street Somerville MA

Sample Number	Lab File ID	Injected	By	Level	Inst ID	Method	
MSQ230-IC230	Q4334.D	08/20/07 11:56	DFT	0.5	GCMSQ	TO-15	Reporting this level
MSQ230-IC230	Q4335.D	08/20/07 12:45	DFT	0.2	GCMSQ	TO-15	
MSQ230-IC230	Q4336.D	08/20/07 13:29	DFT	40	GCMSQ	TO-15	
MSQ230-ICC230	Q4338.D	08/20/07 14:53	DFT	10	GCMSQ	TO-15	
MSQ230-IC230	Q4339.D	08/20/07 15:35	DFT	5	GCMSQ	TO-15	
MSQ230-IC230	Q4340.D	08/20/07 16:17	DFT	2	GCMSQ	TO-15	
MSQ230-IC230	Q4341.D	08/20/07 17:06	DFT	20	GCMSQ	TO-15	

Target Compound	RT (min.)	Istd RT (min.)	Rel RT		Mean Rel RT	Rel RT Range (+/- .06)
Acetone	5.61	8.63	0.650	ok	0.649	0.589-0.709
1,3-Butadiene	4.56	8.63	0.528	ok	0.528	0.468-0.588
Benzene	10.14	10.46	0.969	ok	0.970	0.910-1.030
Bromodichloromethane	11.11	10.46	1.062	ok	1.061	1.001-1.121
Bromoform	15.42	14.70	1.049	ok	1.049	0.989-1.109
Bromomethane	4.83	8.63	0.560	ok	0.560	0.500-0.620
Bromoethene	5.37	8.63	0.622	ok	0.622	0.562-0.682
Benzyl Chloride	17.91	14.70	1.218	ok	1.218	1.158-1.278
Carbon disulfide	6.85	8.63	0.794	ok	0.794	0.734-0.854
Chlorobenzene	14.74	14.70	1.003	ok	1.003	0.943-1.063
Chloroethane	5.02	8.63	0.582	ok	0.581	0.521-0.641
Chloroform	8.75	8.63	1.014	ok	1.014	0.954-1.074
Chloromethane	4.20	8.63	0.487	ok	0.487	0.427-0.547
3-Chloropropene	6.65	8.63	0.771	ok	0.771	0.711-0.831
2-Chlorotoluene	17.01	14.70	1.157	ok	1.157	1.097-1.217
Carbon tetrachloride	10.29	8.63	1.192	ok	1.192	1.132-1.252
Cyclohexane	10.41	10.46	0.995	ok	0.995	0.935-1.055
1,1-Dichloroethane	7.67	8.63	0.889	ok	0.888	0.828-0.948
1,1-Dichloroethylene	6.42	8.63	0.744	ok	0.744	0.684-0.804
1,2-Dibromoethane	13.60	14.70	0.925	ok	0.925	0.865-0.985
1,2-Dichloroethane	9.46	8.63	1.096	ok	1.096	1.036-1.156
1,2-Dichloropropane	10.92	10.46	1.044	ok	1.044	0.984-1.104
1,4-Dioxane	11.16	10.46	1.067	ok	1.065	1.005-1.125
Dichlorodifluoromethane	4.04	8.63	0.468	ok	0.468	0.408-0.528
Dibromochloromethane	13.34	14.70	0.907	ok	0.908	0.848-0.968
trans-1,2-Dichloroethylene	7.46	8.63	0.864	ok	0.865	0.805-0.925
cis-1,2-Dichloroethylene	8.47	8.63	0.981	ok	0.981	0.921-1.041
cis-1,3-Dichloropropene	11.96	10.46	1.143	ok	1.143	1.083-1.203
m-Dichlorobenzene	17.93	14.70	1.220	ok	1.220	1.160-1.280
o-Dichlorobenzene	18.40	14.70	1.252	ok	1.252	1.192-1.312
p-Dichlorobenzene	18.01	14.70	1.225	ok	1.225	1.165-1.285
trans-1,3-Dichloropropene	12.46	10.46	1.191	ok	1.191	1.131-1.251
Ethanol	5.10	8.63	0.591	ok	0.591	0.531-0.651
Ethylbenzene	15.13	14.70	1.029	ok	1.029	0.969-1.089
Ethyl Acetate	8.67	8.63	1.005	ok	1.004	0.944-1.064
4-Ethyltoluene	17.21	14.70	1.171	ok	1.170	1.110-1.230
Freon 113	6.80	8.63	0.788	ok	0.788	0.728-0.848
Freon 114	4.29	8.63	0.497	ok	0.498	0.438-0.558
Heptane	11.40	10.46	1.090	ok	1.090	1.030-1.150
Hexachlorobutadiene	20.79	14.70	1.414	ok	1.414	1.354-1.474
Hexane	8.66	8.63	1.003	ok	1.004	0.944-1.064

Initial Calibration Retention Time/Internal Standard Area Summary

Job Number: M67589
Account: GEI GEI Consultants, Inc.
Project: GEI Tufts Street Somerville MA

Sample Number	Lab File ID	Injected	By	Level	Inst ID	Method	
MSQ230-IC230	Q4334.D	08/20/07 11:56	DFT	0.5	GCMSQ	TO-15	Reporting this level
MSQ230-IC230	Q4335.D	08/20/07 12:45	DFT	0.2	GCMSQ	TO-15	
MSQ230-IC230	Q4336.D	08/20/07 13:29	DFT	40	GCMSQ	TO-15	
MSQ230-ICC230	Q4338.D	08/20/07 14:53	DFT	10	GCMSQ	TO-15	
MSQ230-IC230	Q4339.D	08/20/07 15:35	DFT	5	GCMSQ	TO-15	
MSQ230-IC230	Q4340.D	08/20/07 16:17	DFT	2	GCMSQ	TO-15	
MSQ230-IC230	Q4341.D	08/20/07 17:06	DFT	20	GCMSQ	TO-15	

Target Compound	RT (min.)	Istd RT (min.)	Rel RT		Mean Rel RT	Rel RT Range (+/- .06)
2-Hexanone	13.15	14.70	0.895	ok	0.894	0.834-0.954
Isopropylbenzene	16.46	14.70	1.120	ok	1.120	1.060-1.180
Isopropyl Alcohol	5.84	8.63	0.677	ok	0.675	0.615-0.735
Methylene chloride	6.53	8.63	0.757	ok	0.758	0.698-0.818
Methyl ethyl ketone	8.04	8.63	0.932	ok	0.931	0.871-0.991
Methyl Isobutyl Ketone	11.98	10.46	1.145	ok	1.145	1.085-1.205
Methyl Tert Butyl Ether	7.72	8.63	0.895	ok	0.894	0.834-0.954
Nonane	16.02	14.70	1.090	ok	1.090	1.030-1.150
Pentane	6.14	8.63	0.711	ok	0.711	0.651-0.771
Propylene	3.97	8.63	0.460	ok	0.460	0.400-0.520
Styrene	15.70	14.70	1.068	ok	1.068	1.008-1.128
1,1,1-Trichloroethane	9.70	8.63	1.124	ok	1.124	1.064-1.184
1,1,2,2-Tetrachloroethane	15.81	14.70	1.076	ok	1.075	1.015-1.135
1,1,2-Trichloroethane	12.64	10.46	1.208	ok	1.208	1.148-1.268
1,2,4-Trichlorobenzene	20.31	14.70	1.382	ok	1.381	1.321-1.441
1,2,4-Trimethylbenzene	17.76	14.70	1.208	ok	1.208	1.148-1.268
1,3,5-Trimethylbenzene	17.29	14.70	1.176	ok	1.176	1.116-1.236
2,2,4-Trimethylpentane	11.16	10.46	1.067	ok	1.067	1.007-1.127
Tertiary Butyl Alcohol	6.45	8.63	0.747	ok	0.746	0.686-0.806
Tetrachloroethylene	14.05	14.70	0.956	ok	0.956	0.896-1.016
Tetrahydrofuran	9.16	8.63	1.061	ok	1.060	1.000-1.120
Toluene	12.92	10.46	1.235	ok	1.235	1.175-1.295
Trichloroethylene	11.14	10.46	1.065	ok	1.065	1.005-1.125
Trichlorofluoromethane	5.79	8.63	0.671	ok	0.670	0.610-0.730
Vinyl chloride	4.43	8.63	0.513	ok	0.512	0.452-0.572
Vinyl Acetate	7.79	8.63	0.903	ok	0.902	0.842-0.962
m,p-Xylene	15.31	14.70	1.041	ok	1.042	0.982-1.102
o-Xylene	15.82	14.70	1.076	ok	1.076	1.016-1.136

Internal Standard	RT (min.)		Mean RT(min.)	RT Range (+/- 0.33)	Area		Mean Area	Area Range (+/- 40 %)
Bromochloromethane	8.63	ok	8.63	8.30-8.96	325632	ok	302697	181618-423776
1,4-Difluorobenzene	10.46	ok	10.46	10.13-10.79	1468213	ok	1417237	850342-1984132
Chlorobenzene-D5	14.70	ok	14.70	14.37-15.03	1079543	ok	1082383	649430-1515336

Initial Calibration Retention Time/Internal Standard Area Summary

Job Number: M67589
Account: GEI GEI Consultants, Inc.
Project: GEI Tufts Street Somerville MA

Sample Number	Lab File ID	Injected	By	Level	Inst ID	Method	
MSQ230-IC230	Q4334.D	08/20/07 11:56	DFT	0.5	GCMSQ	TO-15	
MSQ230-IC230	Q4335.D	08/20/07 12:45	DFT	0.2	GCMSQ	TO-15	Reporting this level
MSQ230-IC230	Q4336.D	08/20/07 13:29	DFT	40	GCMSQ	TO-15	
MSQ230-ICC230	Q4338.D	08/20/07 14:53	DFT	10	GCMSQ	TO-15	
MSQ230-IC230	Q4339.D	08/20/07 15:35	DFT	5	GCMSQ	TO-15	
MSQ230-IC230	Q4340.D	08/20/07 16:17	DFT	2	GCMSQ	TO-15	
MSQ230-IC230	Q4341.D	08/20/07 17:06	DFT	20	GCMSQ	TO-15	

Target Compound	RT (min.)	Istd RT (min.)	Rel RT		Mean Rel RT	Rel RT Range (+/- .06)
Acetone	5.61	8.63	0.650	ok	0.649	0.589-0.709
1,3-Butadiene	4.56	8.63	0.528	ok	0.528	0.468-0.588
Benzene	10.15	10.46	0.970	ok	0.970	0.910-1.030
Bromodichloromethane	11.10	10.46	1.061	ok	1.061	1.001-1.121
Bromoform	15.41	14.70	1.048	ok	1.049	0.989-1.109
Bromomethane	4.84	8.63	0.561	ok	0.560	0.500-0.620
Bromoethene	5.36	8.63	0.621	ok	0.622	0.562-0.682
Carbon disulfide	6.86	8.63	0.795	ok	0.794	0.734-0.854
Chlorobenzene	14.74	14.70	1.003	ok	1.003	0.943-1.063
Chloroethane	5.00	8.63	0.579	ok	0.581	0.521-0.641
Chloroform	8.75	8.63	1.014	ok	1.014	0.954-1.074
Chloromethane	4.20	8.63	0.487	ok	0.487	0.427-0.547
3-Chloropropene	6.66	8.63	0.772	ok	0.771	0.711-0.831
2-Chlorotoluene	17.01	14.70	1.157	ok	1.157	1.097-1.217
Carbon tetrachloride	10.29	8.63	1.192	ok	1.192	1.132-1.252
Cyclohexane	10.41	10.46	0.995	ok	0.995	0.935-1.055
1,1-Dichloroethane	7.66	8.63	0.888	ok	0.888	0.828-0.948
1,1-Dichloroethylene	6.43	8.63	0.745	ok	0.744	0.684-0.804
1,2-Dibromoethane	13.60	14.70	0.925	ok	0.925	0.865-0.985
1,2-Dichloroethane	9.46	8.63	1.096	ok	1.096	1.036-1.156
1,2-Dichloropropane	10.92	10.46	1.044	ok	1.044	0.984-1.104
Dichlorodifluoromethane	4.03	8.63	0.467	ok	0.468	0.408-0.528
Dibromochloromethane	13.34	14.70	0.907	ok	0.908	0.848-0.968
trans-1,2-Dichloroethylene	7.47	8.63	0.866	ok	0.865	0.805-0.925
cis-1,2-Dichloroethylene	8.47	8.63	0.981	ok	0.981	0.921-1.041
cis-1,3-Dichloropropene	11.96	10.46	1.143	ok	1.143	1.083-1.203
m-Dichlorobenzene	17.93	14.70	1.220	ok	1.220	1.160-1.280
o-Dichlorobenzene	18.41	14.70	1.252	ok	1.252	1.192-1.312
p-Dichlorobenzene	18.01	14.70	1.225	ok	1.225	1.165-1.285
trans-1,3-Dichloropropene	12.45	10.46	1.190	ok	1.191	1.131-1.251
Ethanol	5.11	8.63	0.592	ok	0.591	0.531-0.651
Ethylbenzene	15.13	14.70	1.029	ok	1.029	0.969-1.089
Ethyl Acetate	8.68	8.63	1.006	ok	1.004	0.944-1.064
4-Ethyltoluene	17.20	14.70	1.170	ok	1.170	1.110-1.230
Freon 113	6.80	8.63	0.788	ok	0.788	0.728-0.848
Freon 114	4.30	8.63	0.498	ok	0.498	0.438-0.558
Heptane	11.40	10.46	1.090	ok	1.090	1.030-1.150
Hexachlorobutadiene	20.79	14.70	1.414	ok	1.414	1.354-1.474
Hexane	8.67	8.63	1.005	ok	1.004	0.944-1.064
2-Hexanone	13.17	14.70	0.896	ok	0.894	0.834-0.954
Isopropylbenzene	16.46	14.70	1.120	ok	1.120	1.060-1.180

Initial Calibration Retention Time/Internal Standard Area Summary

Job Number: M67589
Account: GEI GEI Consultants, Inc.
Project: GEI Tufts Street Somerville MA

Sample Number	Lab File ID	Injected	By	Level	Inst ID	Method	
MSQ230-IC230	Q4334.D	08/20/07 11:56	DFT	0.5	GCMSQ	TO-15	
MSQ230-IC230	Q4335.D	08/20/07 12:45	DFT	0.2	GCMSQ	TO-15	Reporting this level
MSQ230-IC230	Q4336.D	08/20/07 13:29	DFT	40	GCMSQ	TO-15	
MSQ230-ICC230	Q4338.D	08/20/07 14:53	DFT	10	GCMSQ	TO-15	
MSQ230-IC230	Q4339.D	08/20/07 15:35	DFT	5	GCMSQ	TO-15	
MSQ230-IC230	Q4340.D	08/20/07 16:17	DFT	2	GCMSQ	TO-15	
MSQ230-IC230	Q4341.D	08/20/07 17:06	DFT	20	GCMSQ	TO-15	

Target Compound	RT (min.)	Istd RT (min.)	Rel RT		Mean Rel RT	Rel RT Range (+/- .06)
Isopropyl Alcohol	5.85	8.63	0.678	ok	0.675	0.615-0.735
Methylene chloride	6.54	8.63	0.758	ok	0.758	0.698-0.818
Methyl ethyl ketone	8.05	8.63	0.933	ok	0.931	0.871-0.991
Methyl Isobutyl Ketone	11.99	10.46	1.146	ok	1.145	1.085-1.205
Methyl Tert Butyl Ether	7.72	8.63	0.895	ok	0.894	0.834-0.954
Nonane	16.02	14.70	1.090	ok	1.090	1.030-1.150
Pentane	6.14	8.63	0.711	ok	0.711	0.651-0.771
Propylene	3.97	8.63	0.460	ok	0.460	0.400-0.520
Styrene	15.69	14.70	1.067	ok	1.068	1.008-1.128
1,1,1-Trichloroethane	9.71	8.63	1.125	ok	1.124	1.064-1.184
1,1,2,2-Tetrachloroethane	15.80	14.70	1.075	ok	1.075	1.015-1.135
1,1,2-Trichloroethane	12.64	10.46	1.208	ok	1.208	1.148-1.268
1,2,4-Trimethylbenzene	17.75	14.70	1.207	ok	1.208	1.148-1.268
1,3,5-Trimethylbenzene	17.28	14.70	1.176	ok	1.176	1.116-1.236
2,2,4-Trimethylpentane	11.17	10.46	1.068	ok	1.067	1.007-1.127
Tertiary Butyl Alcohol	6.46	8.63	0.749	ok	0.746	0.686-0.806
Tetrachloroethylene	14.04	14.70	0.955	ok	0.956	0.896-1.016
Tetrahydrofuran	9.17	8.63	1.063	ok	1.060	1.000-1.120
Toluene	12.92	10.46	1.235	ok	1.235	1.175-1.295
Trichloroethylene	11.14	10.46	1.065	ok	1.065	1.005-1.125
Trichlorofluoromethane	5.78	8.63	0.670	ok	0.670	0.610-0.730
Vinyl chloride	4.42	8.63	0.512	ok	0.512	0.452-0.572
Vinyl Acetate	7.78	8.63	0.902	ok	0.902	0.842-0.962
m,p-Xylene	15.31	14.70	1.041	ok	1.042	0.982-1.102
o-Xylene	15.81	14.70	1.076	ok	1.076	1.016-1.136

Internal Standard	RT (min.)		Mean RT(min.)	RT Range (+/- 0.33)	Area		Mean Area	Area Range (+/- 40 %)
Bromochloromethane	8.63	ok	8.63	8.30-8.96	316257	ok	302697	181618-423776
1,4-Difluorobenzene	10.46	ok	10.46	10.13-10.79	1389424	ok	1417237	850342-1984132
Chlorobenzene-D5	14.70	ok	14.70	14.37-15.03	1090541	ok	1082383	649430-1515336

Initial Calibration Retention Time/Internal Standard Area Summary

Job Number: M67589
Account: GEI GEI Consultants, Inc.
Project: GEI Tufts Street Somerville MA

Sample Number	Lab File ID	Injected	By	Level	Inst ID	Method	
MSQ230-IC230	Q4334.D	08/20/07 11:56	DFT	0.5	GCMSQ	TO-15	
MSQ230-IC230	Q4335.D	08/20/07 12:45	DFT	0.2	GCMSQ	TO-15	
MSQ230-IC230	Q4336.D	08/20/07 13:29	DFT	40	GCMSQ	TO-15	Reporting this level
MSQ230-ICC230	Q4338.D	08/20/07 14:53	DFT	10	GCMSQ	TO-15	
MSQ230-IC230	Q4339.D	08/20/07 15:35	DFT	5	GCMSQ	TO-15	
MSQ230-IC230	Q4340.D	08/20/07 16:17	DFT	2	GCMSQ	TO-15	
MSQ230-IC230	Q4341.D	08/20/07 17:06	DFT	20	GCMSQ	TO-15	

Target Compound	RT (min.)	Istd RT (min.)	Rel RT		Mean Rel RT	Rel RT Range (+/- .06)
Acetone	5.59	8.63	0.648	ok	0.649	0.589-0.709
1,3-Butadiene	4.56	8.63	0.528	ok	0.528	0.468-0.588
Benzene	10.15	10.46	0.970	ok	0.970	0.910-1.030
Bromodichloromethane	11.11	10.46	1.062	ok	1.061	1.001-1.121
Bromoform	15.42	14.70	1.049	ok	1.049	0.989-1.109
Bromomethane	4.83	8.63	0.560	ok	0.560	0.500-0.620
Bromoethene	5.37	8.63	0.622	ok	0.622	0.562-0.682
Benzyl Chloride	17.91	14.70	1.218	ok	1.218	1.158-1.278
Carbon disulfide	6.85	8.63	0.794	ok	0.794	0.734-0.854
Chlorobenzene	14.75	14.70	1.003	ok	1.003	0.943-1.063
Chloroethane	5.01	8.63	0.581	ok	0.581	0.521-0.641
Chloroform	8.75	8.63	1.014	ok	1.014	0.954-1.074
Chloromethane	4.20	8.63	0.487	ok	0.487	0.427-0.547
3-Chloropropene	6.66	8.63	0.772	ok	0.771	0.711-0.831
2-Chlorotoluene	17.01	14.70	1.157	ok	1.157	1.097-1.217
Carbon tetrachloride	10.29	8.63	1.192	ok	1.192	1.132-1.252
Cyclohexane	10.41	10.46	0.995	ok	0.995	0.935-1.055
1,1-Dichloroethane	7.66	8.63	0.888	ok	0.888	0.828-0.948
1,1-Dichloroethylene	6.42	8.63	0.744	ok	0.744	0.684-0.804
1,2-Dibromoethane	13.60	14.70	0.925	ok	0.925	0.865-0.985
1,2-Dichloroethane	9.46	8.63	1.096	ok	1.096	1.036-1.156
1,2-Dichloropropane	10.92	10.46	1.044	ok	1.044	0.984-1.104
1,4-Dioxane	11.13	10.46	1.064	ok	1.065	1.005-1.125
Dichlorodifluoromethane	4.04	8.63	0.468	ok	0.468	0.408-0.528
Dibromochloromethane	13.35	14.70	0.908	ok	0.908	0.848-0.968
trans-1,2-Dichloroethylene	7.46	8.63	0.864	ok	0.865	0.805-0.925
cis-1,2-Dichloroethylene	8.47	8.63	0.981	ok	0.981	0.921-1.041
cis-1,3-Dichloropropene	11.96	10.46	1.143	ok	1.143	1.083-1.203
m-Dichlorobenzene	17.94	14.70	1.220	ok	1.220	1.160-1.280
o-Dichlorobenzene	18.40	14.70	1.252	ok	1.252	1.192-1.312
p-Dichlorobenzene	18.01	14.70	1.225	ok	1.225	1.165-1.285
trans-1,3-Dichloropropene	12.46	10.46	1.191	ok	1.191	1.131-1.251
Ethanol	5.09	8.63	0.590	ok	0.591	0.531-0.651
Ethylbenzene	15.13	14.70	1.029	ok	1.029	0.969-1.089
Ethyl Acetate	8.66	8.63	1.003	ok	1.004	0.944-1.064
4-Ethyltoluene	17.21	14.70	1.171	ok	1.170	1.110-1.230
Freon 113	6.79	8.63	0.787	ok	0.788	0.728-0.848
Freon 114	4.30	8.63	0.498	ok	0.498	0.438-0.558
Heptane	11.40	10.46	1.090	ok	1.090	1.030-1.150
Hexachlorobutadiene	20.79	14.70	1.414	ok	1.414	1.354-1.474
Hexane	8.66	8.63	1.003	ok	1.004	0.944-1.064

Initial Calibration Retention Time/Internal Standard Area Summary

Job Number: M67589
Account: GEI GEI Consultants, Inc.
Project: GEI Tufts Street Somerville MA

Sample Number	Lab File ID	Injected	By	Level	Inst ID	Method	
MSQ230-IC230	Q4334.D	08/20/07 11:56	DFT	0.5	GCMSQ	TO-15	
MSQ230-IC230	Q4335.D	08/20/07 12:45	DFT	0.2	GCMSQ	TO-15	
MSQ230-IC230	Q4336.D	08/20/07 13:29	DFT	40	GCMSQ	TO-15	Reporting this level
MSQ230-ICC230	Q4338.D	08/20/07 14:53	DFT	10	GCMSQ	TO-15	
MSQ230-IC230	Q4339.D	08/20/07 15:35	DFT	5	GCMSQ	TO-15	
MSQ230-IC230	Q4340.D	08/20/07 16:17	DFT	2	GCMSQ	TO-15	
MSQ230-IC230	Q4341.D	08/20/07 17:06	DFT	20	GCMSQ	TO-15	

Target Compound	RT (min.)	Istd RT (min.)	Rel RT		Mean Rel RT	Rel RT Range (+/- .06)
2-Hexanone	13.14	14.70	0.894	ok	0.894	0.834-0.954
Isopropylbenzene	16.47	14.70	1.120	ok	1.120	1.060-1.180
Isopropyl Alcohol	5.82	8.63	0.674	ok	0.675	0.615-0.735
Methylene chloride	6.54	8.63	0.758	ok	0.758	0.698-0.818
Methyl ethyl ketone	8.03	8.63	0.930	ok	0.931	0.871-0.991
Methyl Isobutyl Ketone	11.97	10.46	1.144	ok	1.145	1.085-1.205
Methyl Tert Butyl Ether	7.70	8.63	0.892	ok	0.894	0.834-0.954
Nonane	16.02	14.70	1.090	ok	1.090	1.030-1.150
Pentane	6.14	8.63	0.711	ok	0.711	0.651-0.771
Propylene	3.97	8.63	0.460	ok	0.460	0.400-0.520
Styrene	15.70	14.70	1.068	ok	1.068	1.008-1.128
1,1,1-Trichloroethane	9.70	8.63	1.124	ok	1.124	1.064-1.184
1,1,2,2-Tetrachloroethane	15.81	14.70	1.076	ok	1.075	1.015-1.135
1,1,2-Trichloroethane	12.64	10.46	1.208	ok	1.208	1.148-1.268
1,2,4-Trichlorobenzene	20.30	14.70	1.381	ok	1.381	1.321-1.441
1,2,4-Trimethylbenzene	17.75	14.70	1.207	ok	1.208	1.148-1.268
1,3,5-Trimethylbenzene	17.29	14.70	1.176	ok	1.176	1.116-1.236
2,2,4-Trimethylpentane	11.17	10.46	1.068	ok	1.067	1.007-1.127
Tertiary Butyl Alcohol	6.43	8.63	0.745	ok	0.746	0.686-0.806
Tetrachloroethylene	14.05	14.70	0.956	ok	0.956	0.896-1.016
Tetrahydrofuran	9.13	8.63	1.058	ok	1.060	1.000-1.120
Toluene	12.92	10.46	1.235	ok	1.235	1.175-1.295
Trichloroethylene	11.14	10.46	1.065	ok	1.065	1.005-1.125
Trichlorofluoromethane	5.78	8.63	0.670	ok	0.670	0.610-0.730
Vinyl chloride	4.42	8.63	0.512	ok	0.512	0.452-0.572
Vinyl Acetate	7.79	8.63	0.903	ok	0.902	0.842-0.962
m,p-Xylene	15.32	14.70	1.042	ok	1.042	0.982-1.102
o-Xylene	15.82	14.70	1.076	ok	1.076	1.016-1.136

Internal Standard	RT (min.)		Mean RT(min.)	RT Range (+/- 0.33)	Area		Mean Area	Area Range (+/- 40 %)
Bromochloromethane	8.63	ok	8.63	8.30-8.96	349406	ok	302697	181618-423776
1,4-Difluorobenzene	10.46	ok	10.46	10.13-10.79	1620378	ok	1417237	850342-1984132
Chlorobenzene-D5	14.70	ok	14.70	14.37-15.03	1261348	ok	1082383	649430-1515336

Initial Calibration Retention Time/Internal Standard Area Summary

Job Number: M67589
Account: GEI GEI Consultants, Inc.
Project: GEI Tufts Street Somerville MA

Sample Number	Lab File ID	Injected	By	Level	Inst ID	Method	
MSQ230-IC230	Q4334.D	08/20/07 11:56	DFT	0.5	GCMSQ	TO-15	
MSQ230-IC230	Q4335.D	08/20/07 12:45	DFT	0.2	GCMSQ	TO-15	
MSQ230-IC230	Q4336.D	08/20/07 13:29	DFT	40	GCMSQ	TO-15	
MSQ230-ICC230	Q4338.D	08/20/07 14:53	DFT	10	GCMSQ	TO-15	Reporting this level
MSQ230-IC230	Q4339.D	08/20/07 15:35	DFT	5	GCMSQ	TO-15	
MSQ230-IC230	Q4340.D	08/20/07 16:17	DFT	2	GCMSQ	TO-15	
MSQ230-IC230	Q4341.D	08/20/07 17:06	DFT	20	GCMSQ	TO-15	

Target Compound	RT (min.)	Istd RT (min.)	Rel RT		Mean Rel RT	Rel RT Range (+/- .06)
Acetone	5.59	8.63	0.648	ok	0.649	0.589-0.709
1,3-Butadiene	4.56	8.63	0.528	ok	0.528	0.468-0.588
Benzene	10.15	10.46	0.970	ok	0.970	0.910-1.030
Bromodichloromethane	11.10	10.46	1.061	ok	1.061	1.001-1.121
Bromoform	15.42	14.70	1.049	ok	1.049	0.989-1.109
Bromomethane	4.83	8.63	0.560	ok	0.560	0.500-0.620
Bromoethene	5.37	8.63	0.622	ok	0.622	0.562-0.682
Benzyl Chloride	17.91	14.70	1.218	ok	1.218	1.158-1.278
Carbon disulfide	6.85	8.63	0.794	ok	0.794	0.734-0.854
Chlorobenzene	14.74	14.70	1.003	ok	1.003	0.943-1.063
Chloroethane	5.01	8.63	0.581	ok	0.581	0.521-0.641
Chloroform	8.75	8.63	1.014	ok	1.014	0.954-1.074
Chloromethane	4.20	8.63	0.487	ok	0.487	0.427-0.547
3-Chloropropene	6.66	8.63	0.772	ok	0.771	0.711-0.831
2-Chlorotoluene	17.01	14.70	1.157	ok	1.157	1.097-1.217
Carbon tetrachloride	10.29	8.63	1.192	ok	1.192	1.132-1.252
Cyclohexane	10.41	10.46	0.995	ok	0.995	0.935-1.055
1,1-Dichloroethane	7.66	8.63	0.888	ok	0.888	0.828-0.948
1,1-Dichloroethylene	6.42	8.63	0.744	ok	0.744	0.684-0.804
1,2-Dibromoethane	13.60	14.70	0.925	ok	0.925	0.865-0.985
1,2-Dichloroethane	9.46	8.63	1.096	ok	1.096	1.036-1.156
1,2-Dichloropropane	10.92	10.46	1.044	ok	1.044	0.984-1.104
1,4-Dioxane	11.13	10.46	1.064	ok	1.065	1.005-1.125
Dichlorodifluoromethane	4.04	8.63	0.468	ok	0.468	0.408-0.528
Dibromochloromethane	13.35	14.70	0.908	ok	0.908	0.848-0.968
trans-1,2-Dichloroethylene	7.46	8.63	0.864	ok	0.865	0.805-0.925
cis-1,2-Dichloroethylene	8.47	8.63	0.981	ok	0.981	0.921-1.041
cis-1,3-Dichloropropene	11.96	10.46	1.143	ok	1.143	1.083-1.203
m-Dichlorobenzene	17.93	14.70	1.220	ok	1.220	1.160-1.280
o-Dichlorobenzene	18.40	14.70	1.252	ok	1.252	1.192-1.312
p-Dichlorobenzene	18.01	14.70	1.225	ok	1.225	1.165-1.285
trans-1,3-Dichloropropene	12.46	10.46	1.191	ok	1.191	1.131-1.251
Ethanol	5.09	8.63	0.590	ok	0.591	0.531-0.651
Ethylbenzene	15.12	14.70	1.029	ok	1.029	0.969-1.089
Ethyl Acetate	8.66	8.63	1.003	ok	1.004	0.944-1.064
4-Ethyltoluene	17.20	14.70	1.170	ok	1.170	1.110-1.230
Freon 113	6.80	8.63	0.788	ok	0.788	0.728-0.848
Freon 114	4.30	8.63	0.498	ok	0.498	0.438-0.558
Heptane	11.40	10.46	1.090	ok	1.090	1.030-1.150
Hexachlorobutadiene	20.79	14.70	1.414	ok	1.414	1.354-1.474
Hexane	8.66	8.63	1.003	ok	1.004	0.944-1.064

Initial Calibration Retention Time/Internal Standard Area Summary

Job Number: M67589
Account: GEI GEI Consultants, Inc.
Project: GEI Tufts Street Somerville MA

Sample Number	Lab File ID	Injected	By	Level	Inst ID	Method	
MSQ230-IC230	Q4334.D	08/20/07 11:56	DFT	0.5	GCMSQ	TO-15	
MSQ230-IC230	Q4335.D	08/20/07 12:45	DFT	0.2	GCMSQ	TO-15	
MSQ230-IC230	Q4336.D	08/20/07 13:29	DFT	40	GCMSQ	TO-15	
MSQ230-ICC230	Q4338.D	08/20/07 14:53	DFT	10	GCMSQ	TO-15	Reporting this level
MSQ230-IC230	Q4339.D	08/20/07 15:35	DFT	5	GCMSQ	TO-15	
MSQ230-IC230	Q4340.D	08/20/07 16:17	DFT	2	GCMSQ	TO-15	
MSQ230-IC230	Q4341.D	08/20/07 17:06	DFT	20	GCMSQ	TO-15	

Target Compound	RT (min.)	Istd RT (min.)	Rel RT		Mean Rel RT	Rel RT Range (+/- .06)
2-Hexanone	13.14	14.70	0.894	ok	0.894	0.834-0.954
Isopropylbenzene	16.46	14.70	1.120	ok	1.120	1.060-1.180
Isopropyl Alcohol	5.82	8.63	0.674	ok	0.675	0.615-0.735
Methylene chloride	6.54	8.63	0.758	ok	0.758	0.698-0.818
Methyl ethyl ketone	8.03	8.63	0.930	ok	0.931	0.871-0.991
Methyl Isobutyl Ketone	11.97	10.46	1.144	ok	1.145	1.085-1.205
Methyl Tert Butyl Ether	7.70	8.63	0.892	ok	0.894	0.834-0.954
Nonane	16.02	14.70	1.090	ok	1.090	1.030-1.150
Pentane	6.14	8.63	0.711	ok	0.711	0.651-0.771
Propylene	3.96	8.63	0.459	ok	0.460	0.400-0.520
Styrene	15.70	14.70	1.068	ok	1.068	1.008-1.128
1,1,1-Trichloroethane	9.70	8.63	1.124	ok	1.124	1.064-1.184
1,1,2,2-Tetrachloroethane	15.81	14.70	1.076	ok	1.075	1.015-1.135
1,1,2-Trichloroethane	12.64	10.46	1.208	ok	1.208	1.148-1.268
1,2,4-Trichlorobenzene	20.30	14.70	1.381	ok	1.381	1.321-1.441
1,2,4-Trimethylbenzene	17.75	14.70	1.207	ok	1.208	1.148-1.268
1,3,5-Trimethylbenzene	17.29	14.70	1.176	ok	1.176	1.116-1.236
2,2,4-Trimethylpentane	11.17	10.46	1.068	ok	1.067	1.007-1.127
Tertiary Butyl Alcohol	6.43	8.63	0.745	ok	0.746	0.686-0.806
Tetrachloroethylene	14.05	14.70	0.956	ok	0.956	0.896-1.016
Tetrahydrofuran	9.14	8.63	1.059	ok	1.060	1.000-1.120
Toluene	12.92	10.46	1.235	ok	1.235	1.175-1.295
Trichloroethylene	11.14	10.46	1.065	ok	1.065	1.005-1.125
Trichlorofluoromethane	5.79	8.63	0.671	ok	0.670	0.610-0.730
Vinyl chloride	4.42	8.63	0.512	ok	0.512	0.452-0.572
Vinyl Acetate	7.79	8.63	0.903	ok	0.902	0.842-0.962
m,p-Xylene	15.30	14.70	1.041	ok	1.042	0.982-1.102
o-Xylene	15.82	14.70	1.076	ok	1.076	1.016-1.136

Internal Standard	RT (min.)		Mean RT(min.)	RT Range (+/- 0.33)	Area		Mean Area	Area Range (+/- 40 %)
Bromochloromethane	8.63	ok	8.63	8.30-8.96	254274	ok	302697	181618-423776
1,4-Difluorobenzene	10.46	ok	10.46	10.13-10.79	1211938	ok	1417237	850342-1984132
Chlorobenzene-D5	14.70	ok	14.70	14.37-15.03	933050	ok	1082383	649430-1515336

Initial Calibration Retention Time/Internal Standard Area Summary

Job Number: M67589
Account: GEI GEI Consultants, Inc.
Project: GEI Tufts Street Somerville MA

Sample Number	Lab File ID	Injected	By	Level	Inst ID	Method	
MSQ230-IC230	Q4334.D	08/20/07 11:56	DFT	0.5	GCMSQ	TO-15	
MSQ230-IC230	Q4335.D	08/20/07 12:45	DFT	0.2	GCMSQ	TO-15	
MSQ230-IC230	Q4336.D	08/20/07 13:29	DFT	40	GCMSQ	TO-15	
MSQ230-ICC230	Q4338.D	08/20/07 14:53	DFT	10	GCMSQ	TO-15	
MSQ230-IC230	Q4339.D	08/20/07 15:35	DFT	5	GCMSQ	TO-15	Reporting this level
MSQ230-IC230	Q4340.D	08/20/07 16:17	DFT	2	GCMSQ	TO-15	
MSQ230-IC230	Q4341.D	08/20/07 17:06	DFT	20	GCMSQ	TO-15	

Target Compound	RT (min.)	Istd RT (min.)	Rel RT		Mean Rel RT	Rel RT Range (+/- .06)
Acetone	5.60	8.63	0.649	ok	0.649	0.589-0.709
1,3-Butadiene	4.55	8.63	0.527	ok	0.528	0.468-0.588
Benzene	10.14	10.46	0.969	ok	0.970	0.910-1.030
Bromodichloromethane	11.10	10.46	1.061	ok	1.061	1.001-1.121
Bromoform	15.41	14.70	1.048	ok	1.049	0.989-1.109
Bromomethane	4.83	8.63	0.560	ok	0.560	0.500-0.620
Bromoethene	5.37	8.63	0.622	ok	0.622	0.562-0.682
Benzyl Chloride	17.91	14.70	1.218	ok	1.218	1.158-1.278
Carbon disulfide	6.85	8.63	0.794	ok	0.794	0.734-0.854
Chlorobenzene	14.75	14.70	1.003	ok	1.003	0.943-1.063
Chloroethane	5.01	8.63	0.581	ok	0.581	0.521-0.641
Chloroform	8.75	8.63	1.014	ok	1.014	0.954-1.074
Chloromethane	4.20	8.63	0.487	ok	0.487	0.427-0.547
3-Chloropropene	6.65	8.63	0.771	ok	0.771	0.711-0.831
2-Chlorotoluene	17.01	14.70	1.157	ok	1.157	1.097-1.217
Carbon tetrachloride	10.29	8.63	1.192	ok	1.192	1.132-1.252
Cyclohexane	10.41	10.46	0.995	ok	0.995	0.935-1.055
1,1-Dichloroethane	7.66	8.63	0.888	ok	0.888	0.828-0.948
1,1-Dichloroethylene	6.42	8.63	0.744	ok	0.744	0.684-0.804
1,2-Dibromoethane	13.59	14.70	0.924	ok	0.925	0.865-0.985
1,2-Dichloroethane	9.46	8.63	1.096	ok	1.096	1.036-1.156
1,2-Dichloropropane	10.92	10.46	1.044	ok	1.044	0.984-1.104
1,4-Dioxane	11.13	10.46	1.064	ok	1.065	1.005-1.125
Dichlorodifluoromethane	4.03	8.63	0.467	ok	0.468	0.408-0.528
Dibromochloromethane	13.34	14.70	0.907	ok	0.908	0.848-0.968
trans-1,2-Dichloroethylene	7.46	8.63	0.864	ok	0.865	0.805-0.925
cis-1,2-Dichloroethylene	8.47	8.63	0.981	ok	0.981	0.921-1.041
cis-1,3-Dichloropropene	11.96	10.46	1.143	ok	1.143	1.083-1.203
m-Dichlorobenzene	17.94	14.70	1.220	ok	1.220	1.160-1.280
o-Dichlorobenzene	18.40	14.70	1.252	ok	1.252	1.192-1.312
p-Dichlorobenzene	18.01	14.70	1.225	ok	1.225	1.165-1.285
trans-1,3-Dichloropropene	12.45	10.46	1.190	ok	1.191	1.131-1.251
Ethanol	5.10	8.63	0.591	ok	0.591	0.531-0.651
Ethylbenzene	15.13	14.70	1.029	ok	1.029	0.969-1.089
Ethyl Acetate	8.66	8.63	1.003	ok	1.004	0.944-1.064
4-Ethyltoluene	17.20	14.70	1.170	ok	1.170	1.110-1.230
Freon 113	6.80	8.63	0.788	ok	0.788	0.728-0.848
Freon 114	4.30	8.63	0.498	ok	0.498	0.438-0.558
Heptane	11.40	10.46	1.090	ok	1.090	1.030-1.150
Hexachlorobutadiene	20.79	14.70	1.414	ok	1.414	1.354-1.474
Hexane	8.66	8.63	1.003	ok	1.004	0.944-1.064

Initial Calibration Retention Time/Internal Standard Area Summary

Job Number: M67589
Account: GEI GEI Consultants, Inc.
Project: GEI Tufts Street Somerville MA

Sample Number	Lab File ID	Injected	By	Level	Inst ID	Method	
MSQ230-IC230	Q4334.D	08/20/07 11:56	DFT	0.5	GCMSQ	TO-15	
MSQ230-IC230	Q4335.D	08/20/07 12:45	DFT	0.2	GCMSQ	TO-15	
MSQ230-IC230	Q4336.D	08/20/07 13:29	DFT	40	GCMSQ	TO-15	
MSQ230-ICC230	Q4338.D	08/20/07 14:53	DFT	10	GCMSQ	TO-15	
MSQ230-IC230	Q4339.D	08/20/07 15:35	DFT	5	GCMSQ	TO-15	Reporting this level
MSQ230-IC230	Q4340.D	08/20/07 16:17	DFT	2	GCMSQ	TO-15	
MSQ230-IC230	Q4341.D	08/20/07 17:06	DFT	20	GCMSQ	TO-15	

Target Compound	RT (min.)	Istd RT (min.)	Rel RT		Mean Rel RT	Rel RT Range (+/- .06)
2-Hexanone	13.15	14.70	0.895	ok	0.894	0.834-0.954
Isopropylbenzene	16.46	14.70	1.120	ok	1.120	1.060-1.180
Isopropyl Alcohol	5.82	8.63	0.674	ok	0.675	0.615-0.735
Methylene chloride	6.54	8.63	0.758	ok	0.758	0.698-0.818
Methyl ethyl ketone	8.03	8.63	0.930	ok	0.931	0.871-0.991
Methyl Isobutyl Ketone	11.98	10.46	1.145	ok	1.145	1.085-1.205
Methyl Tert Butyl Ether	7.71	8.63	0.893	ok	0.894	0.834-0.954
Nonane	16.02	14.70	1.090	ok	1.090	1.030-1.150
Pentane	6.14	8.63	0.711	ok	0.711	0.651-0.771
Propylene	3.97	8.63	0.460	ok	0.460	0.400-0.520
Styrene	15.70	14.70	1.068	ok	1.068	1.008-1.128
1,1,1-Trichloroethane	9.70	8.63	1.124	ok	1.124	1.064-1.184
1,1,2,2-Tetrachloroethane	15.80	14.70	1.075	ok	1.075	1.015-1.135
1,1,2-Trichloroethane	12.64	10.46	1.208	ok	1.208	1.148-1.268
1,2,4-Trichlorobenzene	20.30	14.70	1.381	ok	1.381	1.321-1.441
1,2,4-Trimethylbenzene	17.75	14.70	1.207	ok	1.208	1.148-1.268
1,3,5-Trimethylbenzene	17.28	14.70	1.176	ok	1.176	1.116-1.236
2,2,4-Trimethylpentane	11.16	10.46	1.067	ok	1.067	1.007-1.127
Tertiary Butyl Alcohol	6.43	8.63	0.745	ok	0.746	0.686-0.806
Tetrachloroethylene	14.05	14.70	0.956	ok	0.956	0.896-1.016
Tetrahydrofuran	9.14	8.63	1.059	ok	1.060	1.000-1.120
Toluene	12.92	10.46	1.235	ok	1.235	1.175-1.295
Trichloroethylene	11.14	10.46	1.065	ok	1.065	1.005-1.125
Trichlorofluoromethane	5.79	8.63	0.671	ok	0.670	0.610-0.730
Vinyl chloride	4.42	8.63	0.512	ok	0.512	0.452-0.572
Vinyl Acetate	7.79	8.63	0.903	ok	0.902	0.842-0.962
m,p-Xylene	15.30	14.70	1.041	ok	1.042	0.982-1.102
o-Xylene	15.82	14.70	1.076	ok	1.076	1.016-1.136

Internal Standard	RT (min.)		Mean RT(min.)	RT Range (+/- 0.33)	Area		Mean Area	Area Range (+/- 40 %)
Bromochloromethane	8.63	ok	8.63	8.30-8.96	271883	ok	302697	181618-423776
1,4-Difluorobenzene	10.46	ok	10.46	10.13-10.79	1302201	ok	1417237	850342-1984132
Chlorobenzene-D5	14.70	ok	14.70	14.37-15.03	1005255	ok	1082383	649430-1515336

Initial Calibration Retention Time/Internal Standard Area Summary

Job Number: M67589
Account: GEI GEI Consultants, Inc.
Project: GEI Tufts Street Somerville MA

Sample Number	Lab File ID	Injected	By	Level	Inst ID	Method	
MSQ230-IC230	Q4334.D	08/20/07 11:56	DFT	0.5	GCMSQ	TO-15	
MSQ230-IC230	Q4335.D	08/20/07 12:45	DFT	0.2	GCMSQ	TO-15	
MSQ230-IC230	Q4336.D	08/20/07 13:29	DFT	40	GCMSQ	TO-15	
MSQ230-ICC230	Q4338.D	08/20/07 14:53	DFT	10	GCMSQ	TO-15	
MSQ230-IC230	Q4339.D	08/20/07 15:35	DFT	5	GCMSQ	TO-15	
MSQ230-IC230	Q4340.D	08/20/07 16:17	DFT	2	GCMSQ	TO-15	Reporting this level
MSQ230-IC230	Q4341.D	08/20/07 17:06	DFT	20	GCMSQ	TO-15	

Target Compound	RT (min.)	Istd RT (min.)	Rel RT		Mean Rel RT	Rel RT Range (+/- .06)
Acetone	5.60	8.63	0.649	ok	0.649	0.589-0.709
1,3-Butadiene	4.55	8.63	0.527	ok	0.528	0.468-0.588
Benzene	10.14	10.46	0.969	ok	0.970	0.910-1.030
Bromodichloromethane	11.10	10.46	1.061	ok	1.061	1.001-1.121
Bromoform	15.41	14.70	1.048	ok	1.049	0.989-1.109
Bromomethane	4.83	8.63	0.560	ok	0.560	0.500-0.620
Bromoethene	5.36	8.63	0.621	ok	0.622	0.562-0.682
Benzyl Chloride	17.91	14.70	1.218	ok	1.218	1.158-1.278
Carbon disulfide	6.85	8.63	0.794	ok	0.794	0.734-0.854
Chlorobenzene	14.74	14.70	1.003	ok	1.003	0.943-1.063
Chloroethane	5.01	8.63	0.581	ok	0.581	0.521-0.641
Chloroform	8.75	8.63	1.014	ok	1.014	0.954-1.074
Chloromethane	4.20	8.63	0.487	ok	0.487	0.427-0.547
3-Chloropropene	6.65	8.63	0.771	ok	0.771	0.711-0.831
2-Chlorotoluene	17.01	14.70	1.157	ok	1.157	1.097-1.217
Carbon tetrachloride	10.28	8.63	1.191	ok	1.192	1.132-1.252
Cyclohexane	10.42	10.46	0.996	ok	0.995	0.935-1.055
1,1-Dichloroethane	7.66	8.63	0.888	ok	0.888	0.828-0.948
1,1-Dichloroethylene	6.42	8.63	0.744	ok	0.744	0.684-0.804
1,2-Dibromoethane	13.60	14.70	0.925	ok	0.925	0.865-0.985
1,2-Dichloroethane	9.46	8.63	1.096	ok	1.096	1.036-1.156
1,2-Dichloropropane	10.92	10.46	1.044	ok	1.044	0.984-1.104
1,4-Dioxane	11.14	10.46	1.065	ok	1.065	1.005-1.125
Dichlorodifluoromethane	4.04	8.63	0.468	ok	0.468	0.408-0.528
Dibromochloromethane	13.34	14.70	0.907	ok	0.908	0.848-0.968
trans-1,2-Dichloroethylene	7.47	8.63	0.866	ok	0.865	0.805-0.925
cis-1,2-Dichloroethylene	8.47	8.63	0.981	ok	0.981	0.921-1.041
cis-1,3-Dichloropropene	11.96	10.46	1.143	ok	1.143	1.083-1.203
m-Dichlorobenzene	17.94	14.70	1.220	ok	1.220	1.160-1.280
o-Dichlorobenzene	18.39	14.70	1.251	ok	1.252	1.192-1.312
p-Dichlorobenzene	18.01	14.70	1.225	ok	1.225	1.165-1.285
trans-1,3-Dichloropropene	12.46	10.46	1.191	ok	1.191	1.131-1.251
Ethanol	5.10	8.63	0.591	ok	0.591	0.531-0.651
Ethylbenzene	15.13	14.70	1.029	ok	1.029	0.969-1.089
Ethyl Acetate	8.67	8.63	1.005	ok	1.004	0.944-1.064
4-Ethyltoluene	17.21	14.70	1.171	ok	1.170	1.110-1.230
Freon 113	6.80	8.63	0.788	ok	0.788	0.728-0.848
Freon 114	4.29	8.63	0.497	ok	0.498	0.438-0.558
Heptane	11.40	10.46	1.090	ok	1.090	1.030-1.150
Hexachlorobutadiene	20.79	14.70	1.414	ok	1.414	1.354-1.474
Hexane	8.66	8.63	1.003	ok	1.004	0.944-1.064

Initial Calibration Retention Time/Internal Standard Area Summary

Job Number: M67589
Account: GEI GEI Consultants, Inc.
Project: GEI Tufts Street Somerville MA

Sample Number	Lab File ID	Injected	By	Level	Inst ID	Method	
MSQ230-IC230	Q4334.D	08/20/07 11:56	DFT	0.5	GCMSQ	TO-15	
MSQ230-IC230	Q4335.D	08/20/07 12:45	DFT	0.2	GCMSQ	TO-15	
MSQ230-IC230	Q4336.D	08/20/07 13:29	DFT	40	GCMSQ	TO-15	
MSQ230-ICC230	Q4338.D	08/20/07 14:53	DFT	10	GCMSQ	TO-15	
MSQ230-IC230	Q4339.D	08/20/07 15:35	DFT	5	GCMSQ	TO-15	
MSQ230-IC230	Q4340.D	08/20/07 16:17	DFT	2	GCMSQ	TO-15	Reporting this level
MSQ230-IC230	Q4341.D	08/20/07 17:06	DFT	20	GCMSQ	TO-15	

Target Compound	RT (min.)	Istd RT (min.)	Rel RT		Mean Rel RT	Rel RT Range (+/- .06)
2-Hexanone	13.15	14.70	0.895	ok	0.894	0.834-0.954
Isopropylbenzene	16.46	14.70	1.120	ok	1.120	1.060-1.180
Isopropyl Alcohol	5.83	8.63	0.676	ok	0.675	0.615-0.735
Methylene chloride	6.54	8.63	0.758	ok	0.758	0.698-0.818
Methyl ethyl ketone	8.04	8.63	0.932	ok	0.931	0.871-0.991
Methyl Isobutyl Ketone	11.98	10.46	1.145	ok	1.145	1.085-1.205
Methyl Tert Butyl Ether	7.72	8.63	0.895	ok	0.894	0.834-0.954
Nonane	16.02	14.70	1.090	ok	1.090	1.030-1.150
Pentane	6.14	8.63	0.711	ok	0.711	0.651-0.771
Propylene	3.97	8.63	0.460	ok	0.460	0.400-0.520
Styrene	15.70	14.70	1.068	ok	1.068	1.008-1.128
1,1,1-Trichloroethane	9.70	8.63	1.124	ok	1.124	1.064-1.184
1,1,2,2-Tetrachloroethane	15.80	14.70	1.075	ok	1.075	1.015-1.135
1,1,2-Trichloroethane	12.64	10.46	1.208	ok	1.208	1.148-1.268
1,2,4-Trichlorobenzene	20.31	14.70	1.382	ok	1.381	1.321-1.441
1,2,4-Trimethylbenzene	17.76	14.70	1.208	ok	1.208	1.148-1.268
1,3,5-Trimethylbenzene	17.29	14.70	1.176	ok	1.176	1.116-1.236
2,2,4-Trimethylpentane	11.16	10.46	1.067	ok	1.067	1.007-1.127
Tertiary Butyl Alcohol	6.43	8.63	0.745	ok	0.746	0.686-0.806
Tetrachloroethylene	14.05	14.70	0.956	ok	0.956	0.896-1.016
Tetrahydrofuran	9.15	8.63	1.060	ok	1.060	1.000-1.120
Toluene	12.92	10.46	1.235	ok	1.235	1.175-1.295
Trichloroethylene	11.14	10.46	1.065	ok	1.065	1.005-1.125
Trichlorofluoromethane	5.78	8.63	0.670	ok	0.670	0.610-0.730
Vinyl chloride	4.41	8.63	0.511	ok	0.512	0.452-0.572
Vinyl Acetate	7.79	8.63	0.903	ok	0.902	0.842-0.962
m,p-Xylene	15.32	14.70	1.042	ok	1.042	0.982-1.102
o-Xylene	15.82	14.70	1.076	ok	1.076	1.016-1.136

Internal Standard	RT (min.)		Mean RT(min.)	RT Range (+/- 0.33)	Area		Mean Area	Area Range (+/- 40 %)
Bromochloromethane	8.63	ok	8.63	8.30-8.96	291443	ok	302697	181618-423776
1,4-Difluorobenzene	10.46	ok	10.46	10.13-10.79	1461647	ok	1417237	850342-1984132
Chlorobenzene-D5	14.70	ok	14.70	14.37-15.03	1105785	ok	1082383	649430-1515336

Initial Calibration Retention Time/Internal Standard Area Summary

Job Number: M67589
Account: GEI GEI Consultants, Inc.
Project: GEI Tufts Street Somerville MA

Sample Number	Lab File ID	Injected	By	Level	Inst ID	Method	
MSQ230-IC230	Q4334.D	08/20/07 11:56	DFT	0.5	GCMSQ	TO-15	
MSQ230-IC230	Q4335.D	08/20/07 12:45	DFT	0.2	GCMSQ	TO-15	
MSQ230-IC230	Q4336.D	08/20/07 13:29	DFT	40	GCMSQ	TO-15	
MSQ230-ICC230	Q4338.D	08/20/07 14:53	DFT	10	GCMSQ	TO-15	
MSQ230-IC230	Q4339.D	08/20/07 15:35	DFT	5	GCMSQ	TO-15	
MSQ230-IC230	Q4340.D	08/20/07 16:17	DFT	2	GCMSQ	TO-15	
MSQ230-IC230	Q4341.D	08/20/07 17:06	DFT	20	GCMSQ	TO-15	Reporting this level

Target Compound	RT (min.)	Istd RT (min.)	Rel RT		Mean Rel RT	Rel RT Range (+/- .06)
Acetone	5.59	8.63	0.648	ok	0.649	0.589-0.709
1,3-Butadiene	4.56	8.63	0.528	ok	0.528	0.468-0.588
Benzene	10.15	10.46	0.970	ok	0.970	0.910-1.030
Bromodichloromethane	11.10	10.46	1.061	ok	1.061	1.001-1.121
Bromoform	15.42	14.70	1.049	ok	1.049	0.989-1.109
Bromomethane	4.83	8.63	0.560	ok	0.560	0.500-0.620
Bromoethene	5.37	8.63	0.622	ok	0.622	0.562-0.682
Benzyl Chloride	17.91	14.70	1.218	ok	1.218	1.158-1.278
Carbon disulfide	6.86	8.63	0.795	ok	0.794	0.734-0.854
Chlorobenzene	14.75	14.70	1.003	ok	1.003	0.943-1.063
Chloroethane	5.01	8.63	0.581	ok	0.581	0.521-0.641
Chloroform	8.75	8.63	1.014	ok	1.014	0.954-1.074
Chloromethane	4.20	8.63	0.487	ok	0.487	0.427-0.547
3-Chloropropene	6.66	8.63	0.772	ok	0.771	0.711-0.831
2-Chlorotoluene	17.01	14.70	1.157	ok	1.157	1.097-1.217
Carbon tetrachloride	10.29	8.63	1.192	ok	1.192	1.132-1.252
Cyclohexane	10.41	10.46	0.995	ok	0.995	0.935-1.055
1,1-Dichloroethane	7.66	8.63	0.888	ok	0.888	0.828-0.948
1,1-Dichloroethylene	6.42	8.63	0.744	ok	0.744	0.684-0.804
1,2-Dibromoethane	13.60	14.70	0.925	ok	0.925	0.865-0.985
1,2-Dichloroethane	9.46	8.63	1.096	ok	1.096	1.036-1.156
1,2-Dichloropropane	10.92	10.46	1.044	ok	1.044	0.984-1.104
1,4-Dioxane	11.13	10.46	1.064	ok	1.065	1.005-1.125
Dichlorodifluoromethane	4.04	8.63	0.468	ok	0.468	0.408-0.528
Dibromochloromethane	13.35	14.70	0.908	ok	0.908	0.848-0.968
trans-1,2-Dichloroethylene	7.47	8.63	0.866	ok	0.865	0.805-0.925
cis-1,2-Dichloroethylene	8.47	8.63	0.981	ok	0.981	0.921-1.041
cis-1,3-Dichloropropene	11.96	10.46	1.143	ok	1.143	1.083-1.203
m-Dichlorobenzene	17.94	14.70	1.220	ok	1.220	1.160-1.280
o-Dichlorobenzene	18.40	14.70	1.252	ok	1.252	1.192-1.312
p-Dichlorobenzene	18.01	14.70	1.225	ok	1.225	1.165-1.285
trans-1,3-Dichloropropene	12.46	10.46	1.191	ok	1.191	1.131-1.251
Ethanol	5.10	8.63	0.591	ok	0.591	0.531-0.651
Ethylbenzene	15.13	14.70	1.029	ok	1.029	0.969-1.089
Ethyl Acetate	8.66	8.63	1.003	ok	1.004	0.944-1.064
4-Ethyltoluene	17.20	14.70	1.170	ok	1.170	1.110-1.230
Freon 113	6.80	8.63	0.788	ok	0.788	0.728-0.848
Freon 114	4.30	8.63	0.498	ok	0.498	0.438-0.558
Heptane	11.40	10.46	1.090	ok	1.090	1.030-1.150
Hexachlorobutadiene	20.79	14.70	1.414	ok	1.414	1.354-1.474
Hexane	8.66	8.63	1.003	ok	1.004	0.944-1.064

Initial Calibration Retention Time/Internal Standard Area Summary

Job Number: M67589
Account: GEI GEI Consultants, Inc.
Project: GEI Tufts Street Somerville MA

Sample Number	Lab File ID	Injected	By	Level	Inst ID	Method	
MSQ230-IC230	Q4334.D	08/20/07 11:56	DFT	0.5	GCMSQ	TO-15	
MSQ230-IC230	Q4335.D	08/20/07 12:45	DFT	0.2	GCMSQ	TO-15	
MSQ230-IC230	Q4336.D	08/20/07 13:29	DFT	40	GCMSQ	TO-15	
MSQ230-ICC230	Q4338.D	08/20/07 14:53	DFT	10	GCMSQ	TO-15	
MSQ230-IC230	Q4339.D	08/20/07 15:35	DFT	5	GCMSQ	TO-15	
MSQ230-IC230	Q4340.D	08/20/07 16:17	DFT	2	GCMSQ	TO-15	
MSQ230-IC230	Q4341.D	08/20/07 17:06	DFT	20	GCMSQ	TO-15	Reporting this level

Target Compound	RT (min.)	Istd RT (min.)	Rel RT		Mean Rel RT	Rel RT Range (+/- .06)
2-Hexanone	13.14	14.70	0.894	ok	0.894	0.834-0.954
Isopropylbenzene	16.46	14.70	1.120	ok	1.120	1.060-1.180
Isopropyl Alcohol	5.82	8.63	0.674	ok	0.675	0.615-0.735
Methylene chloride	6.54	8.63	0.758	ok	0.758	0.698-0.818
Methyl ethyl ketone	8.03	8.63	0.930	ok	0.931	0.871-0.991
Methyl Isobutyl Ketone	11.97	10.46	1.144	ok	1.145	1.085-1.205
Methyl Tert Butyl Ether	7.71	8.63	0.893	ok	0.894	0.834-0.954
Nonane	16.02	14.70	1.090	ok	1.090	1.030-1.150
Pentane	6.14	8.63	0.711	ok	0.711	0.651-0.771
Propylene	3.96	8.63	0.459	ok	0.460	0.400-0.520
Styrene	15.70	14.70	1.068	ok	1.068	1.008-1.128
1,1,1-Trichloroethane	9.71	8.63	1.125	ok	1.124	1.064-1.184
1,1,2,2-Tetrachloroethane	15.81	14.70	1.076	ok	1.075	1.015-1.135
1,1,2-Trichloroethane	12.64	10.46	1.208	ok	1.208	1.148-1.268
1,2,4-Trichlorobenzene	20.30	14.70	1.381	ok	1.381	1.321-1.441
1,2,4-Trimethylbenzene	17.75	14.70	1.207	ok	1.208	1.148-1.268
1,3,5-Trimethylbenzene	17.29	14.70	1.176	ok	1.176	1.116-1.236
2,2,4-Trimethylpentane	11.16	10.46	1.067	ok	1.067	1.007-1.127
Tertiary Butyl Alcohol	6.43	8.63	0.745	ok	0.746	0.686-0.806
Tetrachloroethylene	14.05	14.70	0.956	ok	0.956	0.896-1.016
Tetrahydrofuran	9.14	8.63	1.059	ok	1.060	1.000-1.120
Toluene	12.92	10.46	1.235	ok	1.235	1.175-1.295
Trichloroethylene	11.14	10.46	1.065	ok	1.065	1.005-1.125
Trichlorofluoromethane	5.78	8.63	0.670	ok	0.670	0.610-0.730
Vinyl chloride	4.42	8.63	0.512	ok	0.512	0.452-0.572
Vinyl Acetate	7.79	8.63	0.903	ok	0.902	0.842-0.962
m,p-Xylene	15.32	14.70	1.042	ok	1.042	0.982-1.102
o-Xylene	15.82	14.70	1.076	ok	1.076	1.016-1.136

Internal Standard	RT (min.)		Mean RT(min.)	RT Range (+/- 0.33)	Area		Mean Area	Area Range (+/- 40 %)
Bromochloromethane	8.63	ok	8.63	8.30-8.96	309985	ok	302697	181618-423776
1,4-Difluorobenzene	10.46	ok	10.46	10.13-10.79	1466856	ok	1417237	850342-1984132
Chlorobenzene-D5	14.70	ok	14.70	14.37-15.03	1101159	ok	1082383	649430-1515336

Initial Calibration Retention Time/Internal Standard Area Summary

Job Number: M67589
Account: GEI GEI Consultants, Inc.
Project: GEI Tufts Street Somerville MA

Sample Number	Lab File ID	Injected	By	Level	Inst ID	Method	
MSQ241-IC241	Q4577.D	09/13/07 09:03	DFT	0.5	GCMSQ	TO-15	Reporting this level
MSQ241-IC241	Q4578.D	09/13/07 09:53	DFT	0.2	GCMSQ	TO-15	
MSQ241-IC241	Q4579.D	09/13/07 10:41	DFT	40	GCMSQ	TO-15	
MSQ241-IC241	Q4580.D	09/13/07 11:22	DFT	20	GCMSQ	TO-15	
MSQ241-ICC241	Q4581.D	09/13/07 12:05	DFT	10	GCMSQ	TO-15	
MSQ241-IC241	Q4582.D	09/13/07 12:47	DFT	5	GCMSQ	TO-15	
MSQ241-IC241	Q4583.D	09/13/07 13:29	DFT	2	GCMSQ	TO-15	

Target Compound	RT (min.)	Istd RT (min.)	Rel RT		Mean Rel RT	Rel RT Range (+/- .06)
Acetone	5.61	8.63	0.650	ok	0.649	0.589-0.709
1,3-Butadiene	4.56	8.63	0.528	ok	0.528	0.468-0.588
Benzene	10.14	10.45	0.970	ok	0.970	0.910-1.030
Bromodichloromethane	11.10	10.45	1.062	ok	1.062	1.002-1.122
Bromoform	15.41	14.70	1.048	ok	1.048	0.988-1.108
Bromomethane	4.84	8.63	0.561	ok	0.560	0.500-0.620
Bromoethene	5.37	8.63	0.622	ok	0.622	0.562-0.682
Benzyl Chloride	17.90	14.70	1.218	ok	1.218	1.158-1.278
Carbon disulfide	6.85	8.63	0.794	ok	0.794	0.734-0.854
Chlorobenzene	14.74	14.70	1.003	ok	1.003	0.943-1.063
Chloroethane	5.00	8.63	0.579	ok	0.580	0.520-0.640
Chloroform	8.75	8.63	1.014	ok	1.014	0.954-1.074
Chloromethane	4.20	8.63	0.487	ok	0.487	0.427-0.547
3-Chloropropene	6.66	8.63	0.772	ok	0.771	0.711-0.831
2-Chlorotoluene	17.01	14.70	1.157	ok	1.157	1.097-1.217
Carbon tetrachloride	10.28	8.63	1.191	ok	1.191	1.131-1.251
Cyclohexane	10.40	10.45	0.995	ok	0.995	0.935-1.055
1,1-Dichloroethane	7.66	8.63	0.888	ok	0.887	0.827-0.947
1,1-Dichloroethylene	6.42	8.63	0.744	ok	0.744	0.684-0.804
1,2-Dibromoethane	13.59	14.70	0.924	ok	0.925	0.865-0.985
1,2-Dichloroethane	9.46	8.63	1.096	ok	1.096	1.036-1.156
1,2-Dichloropropane	10.92	10.45	1.045	ok	1.045	0.985-1.105
1,4-Dioxane	11.16	10.45	1.068	ok	1.065	1.005-1.125
Dichlorodifluoromethane	4.04	8.63	0.468	ok	0.468	0.408-0.528
Dibromochloromethane	13.35	14.70	0.908	ok	0.908	0.848-0.968
trans-1,2-Dichloroethylene	7.47	8.63	0.866	ok	0.865	0.805-0.925
cis-1,2-Dichloroethylene	8.46	8.63	0.980	ok	0.981	0.921-1.041
cis-1,3-Dichloropropene	11.95	10.45	1.144	ok	1.144	1.084-1.204
m-Dichlorobenzene	17.93	14.70	1.220	ok	1.220	1.160-1.280
o-Dichlorobenzene	18.40	14.70	1.252	ok	1.252	1.192-1.312
p-Dichlorobenzene	18.00	14.70	1.224	ok	1.225	1.165-1.285
trans-1,3-Dichloropropene	12.46	10.45	1.192	ok	1.192	1.132-1.252
Ethanol	5.11	8.63	0.592	ok	0.592	0.532-0.652
Ethylbenzene	15.12	14.70	1.029	ok	1.029	0.969-1.089
Ethyl Acetate	8.67	8.63	1.005	ok	1.004	0.944-1.064
4-Ethyltoluene	17.20	14.70	1.170	ok	1.170	1.110-1.230
Freon 113	6.79	8.63	0.787	ok	0.787	0.727-0.847
Freon 114	4.30	8.63	0.498	ok	0.498	0.438-0.558
Heptane	11.40	10.45	1.091	ok	1.091	1.031-1.151
Hexachlorobutadiene	20.79	14.70	1.414	ok	1.414	1.354-1.474
Hexane	8.67	8.63	1.005	ok	1.004	0.944-1.064

Initial Calibration Retention Time/Internal Standard Area Summary

Job Number: M67589
Account: GEI GEI Consultants, Inc.
Project: GEI Tufts Street Somerville MA

Sample Number	Lab File ID	Injected	By	Level	Inst ID	Method	
MSQ241-IC241	Q4577.D	09/13/07 09:03	DFT	0.5	GCMSQ	TO-15	Reporting this level
MSQ241-IC241	Q4578.D	09/13/07 09:53	DFT	0.2	GCMSQ	TO-15	
MSQ241-IC241	Q4579.D	09/13/07 10:41	DFT	40	GCMSQ	TO-15	
MSQ241-IC241	Q4580.D	09/13/07 11:22	DFT	20	GCMSQ	TO-15	
MSQ241-ICC241	Q4581.D	09/13/07 12:05	DFT	10	GCMSQ	TO-15	
MSQ241-IC241	Q4582.D	09/13/07 12:47	DFT	5	GCMSQ	TO-15	
MSQ241-IC241	Q4583.D	09/13/07 13:29	DFT	2	GCMSQ	TO-15	

Target Compound	RT (min.)	Istd RT (min.)	Rel RT		Mean Rel RT	Rel RT Range (+/- .06)
2-Hexanone	13.15	14.70	0.895	ok	0.894	0.834-0.954
Isopropylbenzene	16.46	14.70	1.120	ok	1.120	1.060-1.180
Isopropyl Alcohol	5.85	8.63	0.678	ok	0.677	0.617-0.737
Methylene chloride	6.54	8.63	0.758	ok	0.758	0.698-0.818
Methyl ethyl ketone	8.05	8.63	0.933	ok	0.931	0.871-0.991
Methyl Isobutyl Ketone	11.98	10.45	1.146	ok	1.146	1.086-1.206
Methyl Tert Butyl Ether	7.72	8.63	0.895	ok	0.893	0.833-0.953
Nonane	16.01	14.70	1.089	ok	1.089	1.029-1.149
Pentane	6.14	8.63	0.711	ok	0.712	0.652-0.772
Propylene	3.98	8.63	0.461	ok	0.460	0.400-0.520
Styrene	15.70	14.70	1.068	ok	1.068	1.008-1.128
1,1,1-Trichloroethane	9.70	8.63	1.124	ok	1.124	1.064-1.184
1,1,2,2-Tetrachloroethane	15.80	14.70	1.075	ok	1.075	1.015-1.135
1,1,2-Trichloroethane	12.63	10.45	1.209	ok	1.209	1.149-1.269
1,2,4-Trichlorobenzene	20.30	14.70	1.381	ok	1.381	1.321-1.441
1,2,4-Trimethylbenzene	17.75	14.70	1.207	ok	1.208	1.148-1.268
1,3,5-Trimethylbenzene	17.29	14.70	1.176	ok	1.176	1.116-1.236
2,2,4-Trimethylpentane	11.16	10.45	1.068	ok	1.068	1.008-1.128
Tertiary Butyl Alcohol	6.46	8.63	0.749	ok	0.747	0.687-0.807
Tetrachloroethylene	14.04	14.70	0.955	ok	0.956	0.896-1.016
Tetrahydrofuran	9.15	8.63	1.060	ok	1.059	0.999-1.119
Toluene	12.91	10.45	1.235	ok	1.236	1.176-1.296
Trichloroethylene	11.14	10.45	1.066	ok	1.066	1.006-1.126
Trichlorofluoromethane	5.79	8.63	0.671	ok	0.670	0.610-0.730
Vinyl chloride	4.43	8.63	0.513	ok	0.512	0.452-0.572
Vinyl Acetate	7.78	8.63	0.902	ok	0.902	0.842-0.962
m,p-Xylene	15.31	14.70	1.041	ok	1.042	0.982-1.102
o-Xylene	15.81	14.70	1.076	ok	1.076	1.016-1.136

Internal Standard	RT (min.)		Mean RT(min.)	RT Range (+/- 0.33)	Area		Mean Area	Area Range (+/- 40 %)
Bromochloromethane	8.63	ok	8.63	8.30-8.96	288515	ok	285916	171550-400282
1,4-Difluorobenzene	10.45	ok	10.45	10.12-10.78	1409453	ok	1446244	867746-2024742
Chlorobenzene-D5	14.70	ok	14.70	14.37-15.03	1073588	ok	1157124	694274-1619974

Initial Calibration Retention Time/Internal Standard Area Summary

Job Number: M67589
Account: GEI GEI Consultants, Inc.
Project: GEI Tufts Street Somerville MA

Sample Number	Lab File ID	Injected	By	Level	Inst ID	Method	
MSQ241-IC241	Q4577.D	09/13/07 09:03	DFT	0.5	GCMSQ	TO-15	
MSQ241-IC241	Q4578.D	09/13/07 09:53	DFT	0.2	GCMSQ	TO-15	Reporting this level
MSQ241-IC241	Q4579.D	09/13/07 10:41	DFT	40	GCMSQ	TO-15	
MSQ241-IC241	Q4580.D	09/13/07 11:22	DFT	20	GCMSQ	TO-15	
MSQ241-ICC241	Q4581.D	09/13/07 12:05	DFT	10	GCMSQ	TO-15	
MSQ241-IC241	Q4582.D	09/13/07 12:47	DFT	5	GCMSQ	TO-15	
MSQ241-IC241	Q4583.D	09/13/07 13:29	DFT	2	GCMSQ	TO-15	

Target Compound	RT (min.)	Istd RT (min.)	Rel RT		Mean Rel RT	Rel RT Range (+/- .06)
Acetone	5.62	8.63	0.651	ok	0.649	0.589-0.709
1,3-Butadiene	4.56	8.63	0.528	ok	0.528	0.468-0.588
Benzene	10.14	10.45	0.970	ok	0.970	0.910-1.030
Bromodichloromethane	11.10	10.45	1.062	ok	1.062	1.002-1.122
Bromoform	15.41	14.70	1.048	ok	1.048	0.988-1.108
Bromomethane	4.84	8.63	0.561	ok	0.560	0.500-0.620
Bromoethene	5.36	8.63	0.621	ok	0.622	0.562-0.682
Benzyl Chloride	17.91	14.70	1.218	ok	1.218	1.158-1.278
Carbon disulfide	6.85	8.63	0.794	ok	0.794	0.734-0.854
Chlorobenzene	14.74	14.70	1.003	ok	1.003	0.943-1.063
Chloroethane	5.02	8.63	0.582	ok	0.580	0.520-0.640
Chloroform	8.75	8.63	1.014	ok	1.014	0.954-1.074
Chloromethane	4.21	8.63	0.488	ok	0.487	0.427-0.547
3-Chloropropene	6.65	8.63	0.771	ok	0.771	0.711-0.831
2-Chlorotoluene	17.01	14.70	1.157	ok	1.157	1.097-1.217
Carbon tetrachloride	10.28	8.63	1.191	ok	1.191	1.131-1.251
Cyclohexane	10.40	10.45	0.995	ok	0.995	0.935-1.055
1,1-Dichloroethane	7.66	8.63	0.888	ok	0.887	0.827-0.947
1,1-Dichloroethylene	6.42	8.63	0.744	ok	0.744	0.684-0.804
1,2-Dibromoethane	13.60	14.70	0.925	ok	0.925	0.865-0.985
1,2-Dichloroethane	9.46	8.63	1.096	ok	1.096	1.036-1.156
1,2-Dichloropropane	10.92	10.45	1.045	ok	1.045	0.985-1.105
Dichlorodifluoromethane	4.04	8.63	0.468	ok	0.468	0.408-0.528
Dibromochloromethane	13.35	14.70	0.908	ok	0.908	0.848-0.968
trans-1,2-Dichloroethylene	7.47	8.63	0.866	ok	0.865	0.805-0.925
cis-1,2-Dichloroethylene	8.47	8.63	0.981	ok	0.981	0.921-1.041
cis-1,3-Dichloropropene	11.95	10.45	1.144	ok	1.144	1.084-1.204
m-Dichlorobenzene	17.93	14.70	1.220	ok	1.220	1.160-1.280
o-Dichlorobenzene	18.39	14.70	1.251	ok	1.252	1.192-1.312
p-Dichlorobenzene	18.02	14.70	1.226	ok	1.225	1.165-1.285
trans-1,3-Dichloropropene	12.45	10.45	1.191	ok	1.192	1.132-1.252
Ethanol	5.13	8.63	0.594	ok	0.592	0.532-0.652
Ethylbenzene	15.12	14.70	1.029	ok	1.029	0.969-1.089
Ethyl Acetate	8.68	8.63	1.006	ok	1.004	0.944-1.064
4-Ethyltoluene	17.21	14.70	1.171	ok	1.170	1.110-1.230
Freon 113	6.80	8.63	0.788	ok	0.787	0.727-0.847
Freon 114	4.30	8.63	0.498	ok	0.498	0.438-0.558
Heptane	11.40	10.45	1.091	ok	1.091	1.031-1.151
Hexachlorobutadiene	20.79	14.70	1.414	ok	1.414	1.354-1.474
Hexane	8.66	8.63	1.003	ok	1.004	0.944-1.064
2-Hexanone	13.16	14.70	0.895	ok	0.894	0.834-0.954

Initial Calibration Retention Time/Internal Standard Area Summary

Job Number: M67589
Account: GEI GEI Consultants, Inc.
Project: GEI Tufts Street Somerville MA

Sample Number	Lab File ID	Injected	By	Level	Inst ID	Method	
MSQ241-IC241	Q4577.D	09/13/07 09:03	DFT	0.5	GCMSQ	TO-15	
MSQ241-IC241	Q4578.D	09/13/07 09:53	DFT	0.2	GCMSQ	TO-15	Reporting this level
MSQ241-IC241	Q4579.D	09/13/07 10:41	DFT	40	GCMSQ	TO-15	
MSQ241-IC241	Q4580.D	09/13/07 11:22	DFT	20	GCMSQ	TO-15	
MSQ241-ICC241	Q4581.D	09/13/07 12:05	DFT	10	GCMSQ	TO-15	
MSQ241-IC241	Q4582.D	09/13/07 12:47	DFT	5	GCMSQ	TO-15	
MSQ241-IC241	Q4583.D	09/13/07 13:29	DFT	2	GCMSQ	TO-15	

Target Compound	RT (min.)	Istd RT (min.)	Rel RT		Mean Rel RT	Rel RT Range (+/- .06)
Isopropylbenzene	16.47	14.70	1.120	ok	1.120	1.060-1.180
Isopropyl Alcohol	5.87	8.63	0.680	ok	0.677	0.617-0.737
Methylene chloride	6.54	8.63	0.758	ok	0.758	0.698-0.818
Methyl ethyl ketone	8.05	8.63	0.933	ok	0.931	0.871-0.991
Methyl Isobutyl Ketone	11.99	10.45	1.147	ok	1.146	1.086-1.206
Methyl Tert Butyl Ether	7.73	8.63	0.896	ok	0.893	0.833-0.953
Nonane	16.01	14.70	1.089	ok	1.089	1.029-1.149
Pentane	6.15	8.63	0.713	ok	0.712	0.652-0.772
Propylene	3.97	8.63	0.460	ok	0.460	0.400-0.520
Styrene	15.69	14.70	1.067	ok	1.068	1.008-1.128
1,1,1-Trichloroethane	9.70	8.63	1.124	ok	1.124	1.064-1.184
1,1,2,2-Tetrachloroethane	15.81	14.70	1.076	ok	1.075	1.015-1.135
1,1,2-Trichloroethane	12.63	10.45	1.209	ok	1.209	1.149-1.269
1,2,4-Trimethylbenzene	17.76	14.70	1.208	ok	1.208	1.148-1.268
1,3,5-Trimethylbenzene	17.29	14.70	1.176	ok	1.176	1.116-1.236
2,2,4-Trimethylpentane	11.16	10.45	1.068	ok	1.068	1.008-1.128
Tertiary Butyl Alcohol	6.48	8.63	0.751	ok	0.747	0.687-0.807
Tetrachloroethylene	14.05	14.70	0.956	ok	0.956	0.896-1.016
Tetrahydrofuran	9.16	8.63	1.061	ok	1.059	0.999-1.119
Toluene	12.92	10.45	1.236	ok	1.236	1.176-1.296
Trichloroethylene	11.14	10.45	1.066	ok	1.066	1.006-1.126
Trichlorofluoromethane	5.79	8.63	0.671	ok	0.670	0.610-0.730
Vinyl chloride	4.42	8.63	0.512	ok	0.512	0.452-0.572
Vinyl Acetate	7.79	8.63	0.903	ok	0.902	0.842-0.962
m,p-Xylene	15.29	14.70	1.040	ok	1.042	0.982-1.102
o-Xylene	15.82	14.70	1.076	ok	1.076	1.016-1.136

Internal Standard	RT (min.)		Mean RT(min.)	RT Range (+/- 0.33)	Area		Mean Area	Area Range (+/- 40 %)
Bromochloromethane	8.63	ok	8.63	8.30-8.96	273224	ok	285916	171550-400282
1,4-Difluorobenzene	10.45	ok	10.45	10.12-10.78	1286688	ok	1446244	867746-2024742
Chlorobenzene-D5	14.70	ok	14.70	14.37-15.03	1012586	ok	1157124	694274-1619974

Initial Calibration Retention Time/Internal Standard Area Summary

Job Number: M67589
Account: GEI GEI Consultants, Inc.
Project: GEI Tufts Street Somerville MA

Sample Number	Lab File ID	Injected	By	Level	Inst ID	Method	
MSQ241-IC241	Q4577.D	09/13/07 09:03	DFT	0.5	GCMSQ	TO-15	
MSQ241-IC241	Q4578.D	09/13/07 09:53	DFT	0.2	GCMSQ	TO-15	
MSQ241-IC241	Q4579.D	09/13/07 10:41	DFT	40	GCMSQ	TO-15	Reporting this level
MSQ241-IC241	Q4580.D	09/13/07 11:22	DFT	20	GCMSQ	TO-15	
MSQ241-ICC241	Q4581.D	09/13/07 12:05	DFT	10	GCMSQ	TO-15	
MSQ241-IC241	Q4582.D	09/13/07 12:47	DFT	5	GCMSQ	TO-15	
MSQ241-IC241	Q4583.D	09/13/07 13:29	DFT	2	GCMSQ	TO-15	

Target Compound	RT (min.)	Istd RT (min.)	Rel RT		Mean Rel RT	Rel RT Range (+/- .06)
Acetone	5.59	8.64	0.647	ok	0.649	0.589-0.709
1,3-Butadiene	4.56	8.64	0.528	ok	0.528	0.468-0.588
Benzene	10.15	10.46	0.970	ok	0.970	0.910-1.030
Bromodichloromethane	11.11	10.46	1.062	ok	1.062	1.002-1.122
Bromoform	15.42	14.70	1.049	ok	1.048	0.988-1.108
Bromomethane	4.84	8.64	0.560	ok	0.560	0.500-0.620
Bromoethene	5.37	8.64	0.622	ok	0.622	0.562-0.682
Benzyl Chloride	17.92	14.70	1.219	ok	1.218	1.158-1.278
Carbon disulfide	6.85	8.64	0.793	ok	0.794	0.734-0.854
Chlorobenzene	14.75	14.70	1.003	ok	1.003	0.943-1.063
Chloroethane	5.01	8.64	0.580	ok	0.580	0.520-0.640
Chloroform	8.75	8.64	1.013	ok	1.014	0.954-1.074
Chloromethane	4.20	8.64	0.486	ok	0.487	0.427-0.547
3-Chloropropene	6.66	8.64	0.771	ok	0.771	0.711-0.831
2-Chlorotoluene	17.01	14.70	1.157	ok	1.157	1.097-1.217
Carbon tetrachloride	10.29	8.64	1.191	ok	1.191	1.131-1.251
Cyclohexane	10.41	10.46	0.995	ok	0.995	0.935-1.055
1,1-Dichloroethane	7.66	8.64	0.887	ok	0.887	0.827-0.947
1,1-Dichloroethylene	6.42	8.64	0.743	ok	0.744	0.684-0.804
1,2-Dibromoethane	13.60	14.70	0.925	ok	0.925	0.865-0.985
1,2-Dichloroethane	9.46	8.64	1.095	ok	1.096	1.036-1.156
1,2-Dichloropropane	10.92	10.46	1.044	ok	1.045	0.985-1.105
1,4-Dioxane	11.13	10.46	1.064	ok	1.065	1.005-1.125
Dichlorodifluoromethane	4.04	8.64	0.468	ok	0.468	0.408-0.528
Dibromochloromethane	13.35	14.70	0.908	ok	0.908	0.848-0.968
trans-1,2-Dichloroethylene	7.46	8.64	0.863	ok	0.865	0.805-0.925
cis-1,2-Dichloroethylene	8.47	8.64	0.980	ok	0.981	0.921-1.041
cis-1,3-Dichloropropene	11.96	10.46	1.143	ok	1.144	1.084-1.204
m-Dichlorobenzene	17.94	14.70	1.220	ok	1.220	1.160-1.280
o-Dichlorobenzene	18.40	14.70	1.252	ok	1.252	1.192-1.312
p-Dichlorobenzene	18.01	14.70	1.225	ok	1.225	1.165-1.285
trans-1,3-Dichloropropene	12.46	10.46	1.191	ok	1.192	1.132-1.252
Ethanol	5.10	8.64	0.590	ok	0.592	0.532-0.652
Ethylbenzene	15.13	14.70	1.029	ok	1.029	0.969-1.089
Ethyl Acetate	8.66	8.64	1.002	ok	1.004	0.944-1.064
4-Ethyltoluene	17.21	14.70	1.171	ok	1.170	1.110-1.230
Freon 113	6.80	8.64	0.787	ok	0.787	0.727-0.847
Freon 114	4.30	8.64	0.498	ok	0.498	0.438-0.558
Heptane	11.41	10.46	1.091	ok	1.091	1.031-1.151
Hexachlorobutadiene	20.79	14.70	1.414	ok	1.414	1.354-1.474
Hexane	8.67	8.64	1.003	ok	1.004	0.944-1.064

Initial Calibration Retention Time/Internal Standard Area Summary

Job Number: M67589
Account: GEI GEI Consultants, Inc.
Project: GEI Tufts Street Somerville MA

Sample Number	Lab File ID	Injected	By	Level	Inst ID	Method	
MSQ241-IC241	Q4577.D	09/13/07 09:03	DFT	0.5	GCMSQ	TO-15	
MSQ241-IC241	Q4578.D	09/13/07 09:53	DFT	0.2	GCMSQ	TO-15	
MSQ241-IC241	Q4579.D	09/13/07 10:41	DFT	40	GCMSQ	TO-15	Reporting this level
MSQ241-IC241	Q4580.D	09/13/07 11:22	DFT	20	GCMSQ	TO-15	
MSQ241-ICC241	Q4581.D	09/13/07 12:05	DFT	10	GCMSQ	TO-15	
MSQ241-IC241	Q4582.D	09/13/07 12:47	DFT	5	GCMSQ	TO-15	
MSQ241-IC241	Q4583.D	09/13/07 13:29	DFT	2	GCMSQ	TO-15	

Target Compound	RT (min.)	Istd RT (min.)	Rel RT		Mean Rel RT	Rel RT Range (+/- .06)
2-Hexanone	13.14	14.70	0.894	ok	0.894	0.834-0.954
Isopropylbenzene	16.47	14.70	1.120	ok	1.120	1.060-1.180
Isopropyl Alcohol	5.83	8.64	0.675	ok	0.677	0.617-0.737
Methylene chloride	6.54	8.64	0.757	ok	0.758	0.698-0.818
Methyl ethyl ketone	8.03	8.64	0.929	ok	0.931	0.871-0.991
Methyl Isobutyl Ketone	11.98	10.46	1.145	ok	1.146	1.086-1.206
Methyl Tert Butyl Ether	7.71	8.64	0.892	ok	0.893	0.833-0.953
Nonane	16.02	14.70	1.090	ok	1.089	1.029-1.149
Pentane	6.14	8.64	0.711	ok	0.712	0.652-0.772
Propylene	3.96	8.64	0.458	ok	0.460	0.400-0.520
Styrene	15.70	14.70	1.068	ok	1.068	1.008-1.128
1,1,1-Trichloroethane	9.71	8.64	1.124	ok	1.124	1.064-1.184
1,1,2,2-Tetrachloroethane	15.81	14.70	1.076	ok	1.075	1.015-1.135
1,1,2-Trichloroethane	12.64	10.46	1.208	ok	1.209	1.149-1.269
1,2,4-Trichlorobenzene	20.30	14.70	1.381	ok	1.381	1.321-1.441
1,2,4-Trimethylbenzene	17.76	14.70	1.208	ok	1.208	1.148-1.268
1,3,5-Trimethylbenzene	17.29	14.70	1.176	ok	1.176	1.116-1.236
2,2,4-Trimethylpentane	11.17	10.46	1.068	ok	1.068	1.008-1.128
Tertiary Butyl Alcohol	6.44	8.64	0.745	ok	0.747	0.687-0.807
Tetrachloroethylene	14.05	14.70	0.956	ok	0.956	0.896-1.016
Tetrahydrofuran	9.13	8.64	1.057	ok	1.059	0.999-1.119
Toluene	12.92	10.46	1.235	ok	1.236	1.176-1.296
Trichloroethylene	11.14	10.46	1.065	ok	1.066	1.006-1.126
Trichlorofluoromethane	5.79	8.64	0.670	ok	0.670	0.610-0.730
Vinyl chloride	4.42	8.64	0.512	ok	0.512	0.452-0.572
Vinyl Acetate	7.79	8.64	0.902	ok	0.902	0.842-0.962
m,p-Xylene	15.32	14.70	1.042	ok	1.042	0.982-1.102
o-Xylene	15.82	14.70	1.076	ok	1.076	1.016-1.136

Internal Standard	RT (min.)		Mean RT(min.)	RT Range (+/- 0.33)	Area		Mean Area	Area Range (+/- 40 %)
Bromochloromethane	8.64	ok	8.63	8.30-8.96	323172	ok	285916	171550-400282
1,4-Difluorobenzene	10.46	ok	10.45	10.12-10.78	1642975	ok	1446244	867746-2024742
Chlorobenzene-D5	14.70	ok	14.70	14.37-15.03	1318824	ok	1157124	694274-1619974

Initial Calibration Retention Time/Internal Standard Area Summary

Job Number: M67589
Account: GEI GEI Consultants, Inc.
Project: GEI Tufts Street Somerville MA

Sample Number	Lab File ID	Injected	By	Level	Inst ID	Method	
MSQ241-IC241	Q4577.D	09/13/07 09:03	DFT	0.5	GCMSQ	TO-15	
MSQ241-IC241	Q4578.D	09/13/07 09:53	DFT	0.2	GCMSQ	TO-15	
MSQ241-IC241	Q4579.D	09/13/07 10:41	DFT	40	GCMSQ	TO-15	
MSQ241-IC241	Q4580.D	09/13/07 11:22	DFT	20	GCMSQ	TO-15	Reporting this level
MSQ241-ICC241	Q4581.D	09/13/07 12:05	DFT	10	GCMSQ	TO-15	
MSQ241-IC241	Q4582.D	09/13/07 12:47	DFT	5	GCMSQ	TO-15	
MSQ241-IC241	Q4583.D	09/13/07 13:29	DFT	2	GCMSQ	TO-15	

Target Compound	RT (min.)	Istd RT (min.)	Rel RT		Mean Rel RT	Rel RT Range (+/- .06)
Acetone	5.60	8.63	0.649	ok	0.649	0.589-0.709
1,3-Butadiene	4.56	8.63	0.528	ok	0.528	0.468-0.588
Benzene	10.14	10.46	0.969	ok	0.970	0.910-1.030
Bromodichloromethane	11.10	10.46	1.061	ok	1.062	1.002-1.122
Bromoform	15.42	14.70	1.049	ok	1.048	0.988-1.108
Bromomethane	4.84	8.63	0.561	ok	0.560	0.500-0.620
Bromoethene	5.37	8.63	0.622	ok	0.622	0.562-0.682
Benzyl Chloride	17.91	14.70	1.218	ok	1.218	1.158-1.278
Carbon disulfide	6.85	8.63	0.794	ok	0.794	0.734-0.854
Chlorobenzene	14.75	14.70	1.003	ok	1.003	0.943-1.063
Chloroethane	5.01	8.63	0.581	ok	0.580	0.520-0.640
Chloroform	8.75	8.63	1.014	ok	1.014	0.954-1.074
Chloromethane	4.20	8.63	0.487	ok	0.487	0.427-0.547
3-Chloropropene	6.65	8.63	0.771	ok	0.771	0.711-0.831
2-Chlorotoluene	17.01	14.70	1.157	ok	1.157	1.097-1.217
Carbon tetrachloride	10.29	8.63	1.192	ok	1.191	1.131-1.251
Cyclohexane	10.41	10.46	0.995	ok	0.995	0.935-1.055
1,1-Dichloroethane	7.66	8.63	0.888	ok	0.887	0.827-0.947
1,1-Dichloroethylene	6.43	8.63	0.745	ok	0.744	0.684-0.804
1,2-Dibromoethane	13.59	14.70	0.924	ok	0.925	0.865-0.985
1,2-Dichloroethane	9.46	8.63	1.096	ok	1.096	1.036-1.156
1,2-Dichloropropane	10.92	10.46	1.044	ok	1.045	0.985-1.105
1,4-Dioxane	11.13	10.46	1.064	ok	1.065	1.005-1.125
Dichlorodifluoromethane	4.04	8.63	0.468	ok	0.468	0.408-0.528
Dibromochloromethane	13.34	14.70	0.907	ok	0.908	0.848-0.968
trans-1,2-Dichloroethylene	7.46	8.63	0.864	ok	0.865	0.805-0.925
cis-1,2-Dichloroethylene	8.47	8.63	0.981	ok	0.981	0.921-1.041
cis-1,3-Dichloropropene	11.96	10.46	1.143	ok	1.144	1.084-1.204
m-Dichlorobenzene	17.93	14.70	1.220	ok	1.220	1.160-1.280
o-Dichlorobenzene	18.40	14.70	1.252	ok	1.252	1.192-1.312
p-Dichlorobenzene	18.01	14.70	1.225	ok	1.225	1.165-1.285
trans-1,3-Dichloropropene	12.46	10.46	1.191	ok	1.192	1.132-1.252
Ethanol	5.10	8.63	0.591	ok	0.592	0.532-0.652
Ethylbenzene	15.12	14.70	1.029	ok	1.029	0.969-1.089
Ethyl Acetate	8.66	8.63	1.003	ok	1.004	0.944-1.064
4-Ethyltoluene	17.20	14.70	1.170	ok	1.170	1.110-1.230
Freon 113	6.79	8.63	0.787	ok	0.787	0.727-0.847
Freon 114	4.30	8.63	0.498	ok	0.498	0.438-0.558
Heptane	11.40	10.46	1.090	ok	1.091	1.031-1.151
Hexachlorobutadiene	20.79	14.70	1.414	ok	1.414	1.354-1.474
Hexane	8.66	8.63	1.003	ok	1.004	0.944-1.064

Initial Calibration Retention Time/Internal Standard Area Summary

Job Number: M67589
Account: GEI GEI Consultants, Inc.
Project: GEI Tufts Street Somerville MA

Sample Number	Lab File ID	Injected	By	Level	Inst ID	Method	
MSQ241-IC241	Q4577.D	09/13/07 09:03	DFT	0.5	GCMSQ	TO-15	
MSQ241-IC241	Q4578.D	09/13/07 09:53	DFT	0.2	GCMSQ	TO-15	
MSQ241-IC241	Q4579.D	09/13/07 10:41	DFT	40	GCMSQ	TO-15	
MSQ241-IC241	Q4580.D	09/13/07 11:22	DFT	20	GCMSQ	TO-15	Reporting this level
MSQ241-ICC241	Q4581.D	09/13/07 12:05	DFT	10	GCMSQ	TO-15	
MSQ241-IC241	Q4582.D	09/13/07 12:47	DFT	5	GCMSQ	TO-15	
MSQ241-IC241	Q4583.D	09/13/07 13:29	DFT	2	GCMSQ	TO-15	

Target Compound	RT (min.)	Istd RT (min.)	Rel RT		Mean Rel RT	Rel RT Range (+/- .06)
2-Hexanone	13.14	14.70	0.894	ok	0.894	0.834-0.954
Isopropylbenzene	16.46	14.70	1.120	ok	1.120	1.060-1.180
Isopropyl Alcohol	5.83	8.63	0.676	ok	0.677	0.617-0.737
Methylene chloride	6.54	8.63	0.758	ok	0.758	0.698-0.818
Methyl ethyl ketone	8.03	8.63	0.930	ok	0.931	0.871-0.991
Methyl Isobutyl Ketone	11.97	10.46	1.144	ok	1.146	1.086-1.206
Methyl Tert Butyl Ether	7.70	8.63	0.892	ok	0.893	0.833-0.953
Nonane	16.02	14.70	1.090	ok	1.089	1.029-1.149
Pentane	6.14	8.63	0.711	ok	0.712	0.652-0.772
Propylene	3.96	8.63	0.459	ok	0.460	0.400-0.520
Styrene	15.70	14.70	1.068	ok	1.068	1.008-1.128
1,1,1-Trichloroethane	9.70	8.63	1.124	ok	1.124	1.064-1.184
1,1,2,2-Tetrachloroethane	15.81	14.70	1.076	ok	1.075	1.015-1.135
1,1,2-Trichloroethane	12.64	10.46	1.208	ok	1.209	1.149-1.269
1,2,4-Trichlorobenzene	20.30	14.70	1.381	ok	1.381	1.321-1.441
1,2,4-Trimethylbenzene	17.75	14.70	1.207	ok	1.208	1.148-1.268
1,3,5-Trimethylbenzene	17.29	14.70	1.176	ok	1.176	1.116-1.236
2,2,4-Trimethylpentane	11.16	10.46	1.067	ok	1.068	1.008-1.128
Tertiary Butyl Alcohol	6.43	8.63	0.745	ok	0.747	0.687-0.807
Tetrachloroethylene	14.05	14.70	0.956	ok	0.956	0.896-1.016
Tetrahydrofuran	9.13	8.63	1.058	ok	1.059	0.999-1.119
Toluene	12.92	10.46	1.235	ok	1.236	1.176-1.296
Trichloroethylene	11.14	10.46	1.065	ok	1.066	1.006-1.126
Trichlorofluoromethane	5.78	8.63	0.670	ok	0.670	0.610-0.730
Vinyl chloride	4.42	8.63	0.512	ok	0.512	0.452-0.572
Vinyl Acetate	7.79	8.63	0.903	ok	0.902	0.842-0.962
m,p-Xylene	15.32	14.70	1.042	ok	1.042	0.982-1.102
o-Xylene	15.82	14.70	1.076	ok	1.076	1.016-1.136

Internal Standard	RT (min.)		Mean RT(min.)	RT Range (+/- 0.33)	Area		Mean Area	Area Range (+/- 40 %)
Bromochloromethane	8.63	ok	8.63	8.30-8.96	271554	ok	285916	171550-400282
1,4-Difluorobenzene	10.46	ok	10.45	10.12-10.78	1405949	ok	1446244	867746-2024742
Chlorobenzene-D5	14.70	ok	14.70	14.37-15.03	1221089	ok	1157124	694274-1619974

Initial Calibration Retention Time/Internal Standard Area Summary

Job Number: M67589
Account: GEI GEI Consultants, Inc.
Project: GEI Tufts Street Somerville MA

Sample Number	Lab File ID	Injected	By	Level	Inst ID	Method	
MSQ241-IC241	Q4577.D	09/13/07 09:03	DFT	0.5	GCMSQ	TO-15	
MSQ241-IC241	Q4578.D	09/13/07 09:53	DFT	0.2	GCMSQ	TO-15	
MSQ241-IC241	Q4579.D	09/13/07 10:41	DFT	40	GCMSQ	TO-15	
MSQ241-IC241	Q4580.D	09/13/07 11:22	DFT	20	GCMSQ	TO-15	
MSQ241-ICC241	Q4581.D	09/13/07 12:05	DFT	10	GCMSQ	TO-15	Reporting this level
MSQ241-IC241	Q4582.D	09/13/07 12:47	DFT	5	GCMSQ	TO-15	
MSQ241-IC241	Q4583.D	09/13/07 13:29	DFT	2	GCMSQ	TO-15	

Target Compound	RT (min.)	Istd RT (min.)	Rel RT		Mean Rel RT	Rel RT Range (+/- .06)
Acetone	5.59	8.63	0.648	ok	0.649	0.589-0.709
1,3-Butadiene	4.55	8.63	0.527	ok	0.528	0.468-0.588
Benzene	10.14	10.45	0.970	ok	0.970	0.910-1.030
Bromodichloromethane	11.10	10.45	1.062	ok	1.062	1.002-1.122
Bromoform	15.41	14.70	1.048	ok	1.048	0.988-1.108
Bromomethane	4.83	8.63	0.560	ok	0.560	0.500-0.620
Bromoethene	5.37	8.63	0.622	ok	0.622	0.562-0.682
Benzyl Chloride	17.91	14.70	1.218	ok	1.218	1.158-1.278
Carbon disulfide	6.86	8.63	0.795	ok	0.794	0.734-0.854
Chlorobenzene	14.75	14.70	1.003	ok	1.003	0.943-1.063
Chloroethane	5.00	8.63	0.579	ok	0.580	0.520-0.640
Chloroform	8.75	8.63	1.014	ok	1.014	0.954-1.074
Chloromethane	4.20	8.63	0.487	ok	0.487	0.427-0.547
3-Chloropropene	6.65	8.63	0.771	ok	0.771	0.711-0.831
2-Chlorotoluene	17.01	14.70	1.157	ok	1.157	1.097-1.217
Carbon tetrachloride	10.28	8.63	1.191	ok	1.191	1.131-1.251
Cyclohexane	10.41	10.45	0.996	ok	0.995	0.935-1.055
1,1-Dichloroethane	7.66	8.63	0.888	ok	0.887	0.827-0.947
1,1-Dichloroethylene	6.42	8.63	0.744	ok	0.744	0.684-0.804
1,2-Dibromoethane	13.59	14.70	0.924	ok	0.925	0.865-0.985
1,2-Dichloroethane	9.46	8.63	1.096	ok	1.096	1.036-1.156
1,2-Dichloropropane	10.92	10.45	1.045	ok	1.045	0.985-1.105
1,4-Dioxane	11.13	10.45	1.065	ok	1.065	1.005-1.125
Dichlorodifluoromethane	4.03	8.63	0.467	ok	0.468	0.408-0.528
Dibromochloromethane	13.34	14.70	0.907	ok	0.908	0.848-0.968
trans-1,2-Dichloroethylene	7.46	8.63	0.864	ok	0.865	0.805-0.925
cis-1,2-Dichloroethylene	8.46	8.63	0.980	ok	0.981	0.921-1.041
cis-1,3-Dichloropropene	11.95	10.45	1.144	ok	1.144	1.084-1.204
m-Dichlorobenzene	17.93	14.70	1.220	ok	1.220	1.160-1.280
o-Dichlorobenzene	18.39	14.70	1.251	ok	1.252	1.192-1.312
p-Dichlorobenzene	18.01	14.70	1.225	ok	1.225	1.165-1.285
trans-1,3-Dichloropropene	12.46	10.45	1.192	ok	1.192	1.132-1.252
Ethanol	5.10	8.63	0.591	ok	0.592	0.532-0.652
Ethylbenzene	15.12	14.70	1.029	ok	1.029	0.969-1.089
Ethyl Acetate	8.66	8.63	1.003	ok	1.004	0.944-1.064
4-Ethyltoluene	17.20	14.70	1.170	ok	1.170	1.110-1.230
Freon 113	6.79	8.63	0.787	ok	0.787	0.727-0.847
Freon 114	4.30	8.63	0.498	ok	0.498	0.438-0.558
Heptane	11.40	10.45	1.091	ok	1.091	1.031-1.151
Hexachlorobutadiene	20.79	14.70	1.414	ok	1.414	1.354-1.474
Hexane	8.66	8.63	1.003	ok	1.004	0.944-1.064

Initial Calibration Retention Time/Internal Standard Area Summary

Job Number: M67589
Account: GEI GEI Consultants, Inc.
Project: GEI Tufts Street Somerville MA

Sample Number	Lab File ID	Injected	By	Level	Inst ID	Method	
MSQ241-IC241	Q4577.D	09/13/07 09:03	DFT	0.5	GCMSQ	TO-15	
MSQ241-IC241	Q4578.D	09/13/07 09:53	DFT	0.2	GCMSQ	TO-15	
MSQ241-IC241	Q4579.D	09/13/07 10:41	DFT	40	GCMSQ	TO-15	
MSQ241-IC241	Q4580.D	09/13/07 11:22	DFT	20	GCMSQ	TO-15	
MSQ241-ICC241	Q4581.D	09/13/07 12:05	DFT	10	GCMSQ	TO-15	Reporting this level
MSQ241-IC241	Q4582.D	09/13/07 12:47	DFT	5	GCMSQ	TO-15	
MSQ241-IC241	Q4583.D	09/13/07 13:29	DFT	2	GCMSQ	TO-15	

Target Compound	RT (min.)	Istd RT (min.)	Rel RT		Mean Rel RT	Rel RT Range (+/- .06)
2-Hexanone	13.14	14.70	0.894	ok	0.894	0.834-0.954
Isopropylbenzene	16.46	14.70	1.120	ok	1.120	1.060-1.180
Isopropyl Alcohol	5.83	8.63	0.676	ok	0.677	0.617-0.737
Methylene chloride	6.53	8.63	0.757	ok	0.758	0.698-0.818
Methyl ethyl ketone	8.03	8.63	0.930	ok	0.931	0.871-0.991
Methyl Isobutyl Ketone	11.97	10.45	1.145	ok	1.146	1.086-1.206
Methyl Tert Butyl Ether	7.70	8.63	0.892	ok	0.893	0.833-0.953
Nonane	16.02	14.70	1.090	ok	1.089	1.029-1.149
Pentane	6.14	8.63	0.711	ok	0.712	0.652-0.772
Propylene	3.96	8.63	0.459	ok	0.460	0.400-0.520
Styrene	15.70	14.70	1.068	ok	1.068	1.008-1.128
1,1,1-Trichloroethane	9.70	8.63	1.124	ok	1.124	1.064-1.184
1,1,2,2-Tetrachloroethane	15.80	14.70	1.075	ok	1.075	1.015-1.135
1,1,2-Trichloroethane	12.64	10.45	1.210	ok	1.209	1.149-1.269
1,2,4-Trichlorobenzene	20.30	14.70	1.381	ok	1.381	1.321-1.441
1,2,4-Trimethylbenzene	17.75	14.70	1.207	ok	1.208	1.148-1.268
1,3,5-Trimethylbenzene	17.29	14.70	1.176	ok	1.176	1.116-1.236
2,2,4-Trimethylpentane	11.16	10.45	1.068	ok	1.068	1.008-1.128
Tertiary Butyl Alcohol	6.43	8.63	0.745	ok	0.747	0.687-0.807
Tetrachloroethylene	14.05	14.70	0.956	ok	0.956	0.896-1.016
Tetrahydrofuran	9.13	8.63	1.058	ok	1.059	0.999-1.119
Toluene	12.92	10.45	1.236	ok	1.236	1.176-1.296
Trichloroethylene	11.14	10.45	1.066	ok	1.066	1.006-1.126
Trichlorofluoromethane	5.78	8.63	0.670	ok	0.670	0.610-0.730
Vinyl chloride	4.43	8.63	0.513	ok	0.512	0.452-0.572
Vinyl Acetate	7.78	8.63	0.902	ok	0.902	0.842-0.962
m,p-Xylene	15.32	14.70	1.042	ok	1.042	0.982-1.102
o-Xylene	15.82	14.70	1.076	ok	1.076	1.016-1.136

Internal Standard	RT (min.)		Mean RT(min.)	RT Range (+/- 0.33)	Area		Mean Area	Area Range (+/- 40 %)
Bromochloromethane	8.63	ok	8.63	8.30-8.96	273538	ok	285916	171550-400282
1,4-Difluorobenzene	10.45	ok	10.45	10.12-10.78	1458559	ok	1446244	867746-2024742
Chlorobenzene-D5	14.70	ok	14.70	14.37-15.03	1164148	ok	1157124	694274-1619974

Initial Calibration Retention Time/Internal Standard Area Summary

Job Number: M67589
Account: GEI GEI Consultants, Inc.
Project: GEI Tufts Street Somerville MA

Sample Number	Lab File ID	Injected	By	Level	Inst ID	Method	
MSQ241-IC241	Q4577.D	09/13/07 09:03	DFT	0.5	GCMSQ	TO-15	
MSQ241-IC241	Q4578.D	09/13/07 09:53	DFT	0.2	GCMSQ	TO-15	
MSQ241-IC241	Q4579.D	09/13/07 10:41	DFT	40	GCMSQ	TO-15	
MSQ241-IC241	Q4580.D	09/13/07 11:22	DFT	20	GCMSQ	TO-15	
MSQ241-ICC241	Q4581.D	09/13/07 12:05	DFT	10	GCMSQ	TO-15	
MSQ241-IC241	Q4582.D	09/13/07 12:47	DFT	5	GCMSQ	TO-15	Reporting this level
MSQ241-IC241	Q4583.D	09/13/07 13:29	DFT	2	GCMSQ	TO-15	

Target Compound	RT (min.)	Istd RT (min.)	Rel RT		Mean Rel RT	Rel RT Range (+/- .06)
Acetone	5.60	8.63	0.649	ok	0.649	0.589-0.709
1,3-Butadiene	4.56	8.63	0.528	ok	0.528	0.468-0.588
Benzene	10.14	10.46	0.969	ok	0.970	0.910-1.030
Bromodichloromethane	11.10	10.46	1.061	ok	1.062	1.002-1.122
Bromoform	15.41	14.70	1.048	ok	1.048	0.988-1.108
Bromomethane	4.83	8.63	0.560	ok	0.560	0.500-0.620
Bromoethene	5.37	8.63	0.622	ok	0.622	0.562-0.682
Benzyl Chloride	17.91	14.70	1.218	ok	1.218	1.158-1.278
Carbon disulfide	6.85	8.63	0.794	ok	0.794	0.734-0.854
Chlorobenzene	14.74	14.70	1.003	ok	1.003	0.943-1.063
Chloroethane	5.01	8.63	0.581	ok	0.580	0.520-0.640
Chloroform	8.75	8.63	1.014	ok	1.014	0.954-1.074
Chloromethane	4.20	8.63	0.487	ok	0.487	0.427-0.547
3-Chloropropene	6.66	8.63	0.772	ok	0.771	0.711-0.831
2-Chlorotoluene	17.01	14.70	1.157	ok	1.157	1.097-1.217
Carbon tetrachloride	10.28	8.63	1.191	ok	1.191	1.131-1.251
Cyclohexane	10.41	10.46	0.995	ok	0.995	0.935-1.055
1,1-Dichloroethane	7.66	8.63	0.888	ok	0.887	0.827-0.947
1,1-Dichloroethylene	6.42	8.63	0.744	ok	0.744	0.684-0.804
1,2-Dibromoethane	13.59	14.70	0.924	ok	0.925	0.865-0.985
1,2-Dichloroethane	9.46	8.63	1.096	ok	1.096	1.036-1.156
1,2-Dichloropropane	10.92	10.46	1.044	ok	1.045	0.985-1.105
1,4-Dioxane	11.13	10.46	1.064	ok	1.065	1.005-1.125
Dichlorodifluoromethane	4.04	8.63	0.468	ok	0.468	0.408-0.528
Dibromochloromethane	13.34	14.70	0.907	ok	0.908	0.848-0.968
trans-1,2-Dichloroethylene	7.46	8.63	0.864	ok	0.865	0.805-0.925
cis-1,2-Dichloroethylene	8.46	8.63	0.980	ok	0.981	0.921-1.041
cis-1,3-Dichloropropene	11.96	10.46	1.143	ok	1.144	1.084-1.204
m-Dichlorobenzene	17.93	14.70	1.220	ok	1.220	1.160-1.280
o-Dichlorobenzene	18.40	14.70	1.252	ok	1.252	1.192-1.312
p-Dichlorobenzene	18.00	14.70	1.224	ok	1.225	1.165-1.285
trans-1,3-Dichloropropene	12.46	10.46	1.191	ok	1.192	1.132-1.252
Ethanol	5.11	8.63	0.592	ok	0.592	0.532-0.652
Ethylbenzene	15.12	14.70	1.029	ok	1.029	0.969-1.089
Ethyl Acetate	8.66	8.63	1.003	ok	1.004	0.944-1.064
4-Ethyltoluene	17.20	14.70	1.170	ok	1.170	1.110-1.230
Freon 113	6.79	8.63	0.787	ok	0.787	0.727-0.847
Freon 114	4.30	8.63	0.498	ok	0.498	0.438-0.558
Heptane	11.40	10.46	1.090	ok	1.091	1.031-1.151
Hexachlorobutadiene	20.79	14.70	1.414	ok	1.414	1.354-1.474
Hexane	8.66	8.63	1.003	ok	1.004	0.944-1.064

Initial Calibration Retention Time/Internal Standard Area Summary

Job Number: M67589
Account: GEI GEI Consultants, Inc.
Project: GEI Tufts Street Somerville MA

Sample Number	Lab File ID	Injected	By	Level	Inst ID	Method	
MSQ241-IC241	Q4577.D	09/13/07 09:03	DFT	0.5	GCMSQ	TO-15	
MSQ241-IC241	Q4578.D	09/13/07 09:53	DFT	0.2	GCMSQ	TO-15	
MSQ241-IC241	Q4579.D	09/13/07 10:41	DFT	40	GCMSQ	TO-15	
MSQ241-IC241	Q4580.D	09/13/07 11:22	DFT	20	GCMSQ	TO-15	
MSQ241-ICC241	Q4581.D	09/13/07 12:05	DFT	10	GCMSQ	TO-15	
MSQ241-IC241	Q4582.D	09/13/07 12:47	DFT	5	GCMSQ	TO-15	Reporting this level
MSQ241-IC241	Q4583.D	09/13/07 13:29	DFT	2	GCMSQ	TO-15	

Target Compound	RT (min.)	Istd RT (min.)	Rel RT		Mean Rel RT	Rel RT Range (+/- .06)
2-Hexanone	13.14	14.70	0.894	ok	0.894	0.834-0.954
Isopropylbenzene	16.46	14.70	1.120	ok	1.120	1.060-1.180
Isopropyl Alcohol	5.84	8.63	0.677	ok	0.677	0.617-0.737
Methylene chloride	6.54	8.63	0.758	ok	0.758	0.698-0.818
Methyl ethyl ketone	8.03	8.63	0.930	ok	0.931	0.871-0.991
Methyl Isobutyl Ketone	11.97	10.46	1.144	ok	1.146	1.086-1.206
Methyl Tert Butyl Ether	7.71	8.63	0.893	ok	0.893	0.833-0.953
Nonane	16.01	14.70	1.089	ok	1.089	1.029-1.149
Pentane	6.14	8.63	0.711	ok	0.712	0.652-0.772
Propylene	3.97	8.63	0.460	ok	0.460	0.400-0.520
Styrene	15.70	14.70	1.068	ok	1.068	1.008-1.128
1,1,1-Trichloroethane	9.70	8.63	1.124	ok	1.124	1.064-1.184
1,1,2,2-Tetrachloroethane	15.81	14.70	1.076	ok	1.075	1.015-1.135
1,1,2-Trichloroethane	12.64	10.46	1.208	ok	1.209	1.149-1.269
1,2,4-Trichlorobenzene	20.30	14.70	1.381	ok	1.381	1.321-1.441
1,2,4-Trimethylbenzene	17.75	14.70	1.207	ok	1.208	1.148-1.268
1,3,5-Trimethylbenzene	17.28	14.70	1.176	ok	1.176	1.116-1.236
2,2,4-Trimethylpentane	11.16	10.46	1.067	ok	1.068	1.008-1.128
Tertiary Butyl Alcohol	6.44	8.63	0.746	ok	0.747	0.687-0.807
Tetrachloroethylene	14.05	14.70	0.956	ok	0.956	0.896-1.016
Tetrahydrofuran	9.14	8.63	1.059	ok	1.059	0.999-1.119
Toluene	12.92	10.46	1.235	ok	1.236	1.176-1.296
Trichloroethylene	11.14	10.46	1.065	ok	1.066	1.006-1.126
Trichlorofluoromethane	5.79	8.63	0.671	ok	0.670	0.610-0.730
Vinyl chloride	4.42	8.63	0.512	ok	0.512	0.452-0.572
Vinyl Acetate	7.79	8.63	0.903	ok	0.902	0.842-0.962
m,p-Xylene	15.32	14.70	1.042	ok	1.042	0.982-1.102
o-Xylene	15.81	14.70	1.076	ok	1.076	1.016-1.136

Internal Standard	RT (min.)		Mean RT(min.)	RT Range (+/- 0.33)	Area		Mean Area	Area Range (+/- 40 %)
Bromochloromethane	8.63	ok	8.63	8.30-8.96	282184	ok	285916	171550-400282
1,4-Difluorobenzene	10.46	ok	10.45	10.12-10.78	1452387	ok	1446244	867746-2024742
Chlorobenzene-D5	14.70	ok	14.70	14.37-15.03	1148522	ok	1157124	694274-1619974

Initial Calibration Retention Time/Internal Standard Area Summary

Job Number: M67589
Account: GEI GEI Consultants, Inc.
Project: GEI Tufts Street Somerville MA

Sample Number	Lab File ID	Injected	By	Level	Inst ID	Method	
MSQ241-IC241	Q4577.D	09/13/07 09:03	DFT	0.5	GCMSQ	TO-15	
MSQ241-IC241	Q4578.D	09/13/07 09:53	DFT	0.2	GCMSQ	TO-15	
MSQ241-IC241	Q4579.D	09/13/07 10:41	DFT	40	GCMSQ	TO-15	
MSQ241-IC241	Q4580.D	09/13/07 11:22	DFT	20	GCMSQ	TO-15	
MSQ241-ICC241	Q4581.D	09/13/07 12:05	DFT	10	GCMSQ	TO-15	
MSQ241-IC241	Q4582.D	09/13/07 12:47	DFT	5	GCMSQ	TO-15	
MSQ241-IC241	Q4583.D	09/13/07 13:29	DFT	2	GCMSQ	TO-15	Reporting this level

Target Compound	RT (min.)	Istd RT (min.)	Rel RT		Mean Rel RT	Rel RT Range (+/- .06)
Acetone	5.61	8.63	0.650	ok	0.649	0.589-0.709
1,3-Butadiene	4.56	8.63	0.528	ok	0.528	0.468-0.588
Benzene	10.14	10.45	0.970	ok	0.970	0.910-1.030
Bromodichloromethane	11.10	10.45	1.062	ok	1.062	1.002-1.122
Bromoform	15.41	14.70	1.048	ok	1.048	0.988-1.108
Bromomethane	4.83	8.63	0.560	ok	0.560	0.500-0.620
Bromoethene	5.36	8.63	0.621	ok	0.622	0.562-0.682
Benzyl Chloride	17.91	14.70	1.218	ok	1.218	1.158-1.278
Carbon disulfide	6.85	8.63	0.794	ok	0.794	0.734-0.854
Chlorobenzene	14.74	14.70	1.003	ok	1.003	0.943-1.063
Chloroethane	5.00	8.63	0.579	ok	0.580	0.520-0.640
Chloroform	8.75	8.63	1.014	ok	1.014	0.954-1.074
Chloromethane	4.20	8.63	0.487	ok	0.487	0.427-0.547
3-Chloropropene	6.66	8.63	0.772	ok	0.771	0.711-0.831
2-Chlorotoluene	17.01	14.70	1.157	ok	1.157	1.097-1.217
Carbon tetrachloride	10.29	8.63	1.192	ok	1.191	1.131-1.251
Cyclohexane	10.41	10.45	0.996	ok	0.995	0.935-1.055
1,1-Dichloroethane	7.66	8.63	0.888	ok	0.887	0.827-0.947
1,1-Dichloroethylene	6.42	8.63	0.744	ok	0.744	0.684-0.804
1,2-Dibromoethane	13.59	14.70	0.924	ok	0.925	0.865-0.985
1,2-Dichloroethane	9.46	8.63	1.096	ok	1.096	1.036-1.156
1,2-Dichloropropane	10.92	10.45	1.045	ok	1.045	0.985-1.105
1,4-Dioxane	11.14	10.45	1.066	ok	1.065	1.005-1.125
Dichlorodifluoromethane	4.04	8.63	0.468	ok	0.468	0.408-0.528
Dibromochloromethane	13.34	14.70	0.907	ok	0.908	0.848-0.968
trans-1,2-Dichloroethylene	7.46	8.63	0.864	ok	0.865	0.805-0.925
cis-1,2-Dichloroethylene	8.46	8.63	0.980	ok	0.981	0.921-1.041
cis-1,3-Dichloropropene	11.96	10.45	1.144	ok	1.144	1.084-1.204
m-Dichlorobenzene	17.93	14.70	1.220	ok	1.220	1.160-1.280
o-Dichlorobenzene	18.40	14.70	1.252	ok	1.252	1.192-1.312
p-Dichlorobenzene	18.00	14.70	1.224	ok	1.225	1.165-1.285
trans-1,3-Dichloropropene	12.45	10.45	1.191	ok	1.192	1.132-1.252
Ethanol	5.11	8.63	0.592	ok	0.592	0.532-0.652
Ethylbenzene	15.12	14.70	1.029	ok	1.029	0.969-1.089
Ethyl Acetate	8.66	8.63	1.003	ok	1.004	0.944-1.064
4-Ethyltoluene	17.20	14.70	1.170	ok	1.170	1.110-1.230
Freon 113	6.80	8.63	0.788	ok	0.787	0.727-0.847
Freon 114	4.30	8.63	0.498	ok	0.498	0.438-0.558
Heptane	11.40	10.45	1.091	ok	1.091	1.031-1.151
Hexachlorobutadiene	20.79	14.70	1.414	ok	1.414	1.354-1.474
Hexane	8.66	8.63	1.003	ok	1.004	0.944-1.064

Initial Calibration Retention Time/Internal Standard Area Summary

Job Number: M67589
Account: GEI GEI Consultants, Inc.
Project: GEI Tufts Street Somerville MA

Sample Number	Lab File ID	Injected	By	Level	Inst ID	Method	
MSQ241-IC241	Q4577.D	09/13/07 09:03	DFT	0.5	GCMSQ	TO-15	
MSQ241-IC241	Q4578.D	09/13/07 09:53	DFT	0.2	GCMSQ	TO-15	
MSQ241-IC241	Q4579.D	09/13/07 10:41	DFT	40	GCMSQ	TO-15	
MSQ241-IC241	Q4580.D	09/13/07 11:22	DFT	20	GCMSQ	TO-15	
MSQ241-ICC241	Q4581.D	09/13/07 12:05	DFT	10	GCMSQ	TO-15	
MSQ241-IC241	Q4582.D	09/13/07 12:47	DFT	5	GCMSQ	TO-15	
MSQ241-IC241	Q4583.D	09/13/07 13:29	DFT	2	GCMSQ	TO-15	Reporting this level

Target Compound	RT (min.)	Istd RT (min.)	Rel RT		Mean Rel RT	Rel RT Range (+/- .06)
2-Hexanone	13.14	14.70	0.894	ok	0.894	0.834-0.954
Isopropylbenzene	16.46	14.70	1.120	ok	1.120	1.060-1.180
Isopropyl Alcohol	5.84	8.63	0.677	ok	0.677	0.617-0.737
Methylene chloride	6.54	8.63	0.758	ok	0.758	0.698-0.818
Methyl ethyl ketone	8.04	8.63	0.932	ok	0.931	0.871-0.991
Methyl Isobutyl Ketone	11.98	10.45	1.146	ok	1.146	1.086-1.206
Methyl Tert Butyl Ether	7.71	8.63	0.893	ok	0.893	0.833-0.953
Nonane	16.01	14.70	1.089	ok	1.089	1.029-1.149
Pentane	6.14	8.63	0.711	ok	0.712	0.652-0.772
Propylene	3.97	8.63	0.460	ok	0.460	0.400-0.520
Styrene	15.70	14.70	1.068	ok	1.068	1.008-1.128
1,1,1-Trichloroethane	9.70	8.63	1.124	ok	1.124	1.064-1.184
1,1,2,2-Tetrachloroethane	15.81	14.70	1.076	ok	1.075	1.015-1.135
1,1,2-Trichloroethane	12.64	10.45	1.210	ok	1.209	1.149-1.269
1,2,4-Trichlorobenzene	20.30	14.70	1.381	ok	1.381	1.321-1.441
1,2,4-Trimethylbenzene	17.75	14.70	1.207	ok	1.208	1.148-1.268
1,3,5-Trimethylbenzene	17.28	14.70	1.176	ok	1.176	1.116-1.236
2,2,4-Trimethylpentane	11.16	10.45	1.068	ok	1.068	1.008-1.128
Tertiary Butyl Alcohol	6.44	8.63	0.746	ok	0.747	0.687-0.807
Tetrachloroethylene	14.05	14.70	0.956	ok	0.956	0.896-1.016
Tetrahydrofuran	9.15	8.63	1.060	ok	1.059	0.999-1.119
Toluene	12.92	10.45	1.236	ok	1.236	1.176-1.296
Trichloroethylene	11.14	10.45	1.066	ok	1.066	1.006-1.126
Trichlorofluoromethane	5.79	8.63	0.671	ok	0.670	0.610-0.730
Vinyl chloride	4.42	8.63	0.512	ok	0.512	0.452-0.572
Vinyl Acetate	7.79	8.63	0.903	ok	0.902	0.842-0.962
m,p-Xylene	15.32	14.70	1.042	ok	1.042	0.982-1.102
o-Xylene	15.82	14.70	1.076	ok	1.076	1.016-1.136

Internal Standard	RT (min.)		Mean RT(min.)	RT Range (+/- 0.33)	Area		Mean Area	Area Range (+/- 40 %)
Bromochloromethane	8.63	ok	8.63	8.30-8.96	289226	ok	285916	171550-400282
1,4-Difluorobenzene	10.45	ok	10.45	10.12-10.78	1467694	ok	1446244	867746-2024742
Chlorobenzene-D5	14.70	ok	14.70	14.37-15.03	1161114	ok	1157124	694274-1619974

Volatile Surrogate Recovery Summary

Job Number: M67589
Account: GEI GEI Consultants, Inc.
Project: GEI Tufts Street Somerville MA

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

Samples and QC shown here apply to the above method

Lab Sample ID	Lab File ID	S1
M67589-1	Q4599.D	78.0
M67589-2	Q4600.D	91.0
M67591-2DUP	Q4603.D	81.0
MSQ230-SCC	Q4350.D	65.0
MSQ230-SCC	Q4358.D	70.0
MSQ241-BS	Q4586B.D	111.0
MSQ241-MB	Q4588.D	87.0
MSQ230-BS	Q4342B.D	109.0
MSQ230-MB	Q4344A.D	66.0

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

Initial Calibration Summary

Job Number: M67589
Account: GEI GEI Consultants, Inc.
Project: GEI Tufts Street Somerville MA

Sample: MSQ230-ICC230
Lab FileID: Q4338.D

Response Factor Report MAMSQ

```
Method       : C:\msdchem\1\METHODS\Q082007T.m (RTE Integrator)
Title        :  TO15  by GCMS w/DB-1 60 m X .25 mm ID 1.0 um
Last Update  : Mon Aug 20 17:58:39 2007
Response via : Initial Calibration

Calibration Files
.2     =Q4335.D      .5     =Q4334.D      2      =Q4340.D
5    =Q4339.D     10   =Q4338.D     20   =Q4341.D     40   =Q4336.D

    Compound           .2    .5    2     5     10    20    40     Avg   %RSD
-------------------------------------------------------------------------------

1) I   BROMOCHLOROMETHANE    ----------------ISTD---------------------
2)m DICHLORODIFLUOROM 5.011 5.839 5.485 4.405 4.811 5.383 5.017 5.136   9.22
3)m PROPYLENE         0.769 1.024 1.030 0.897 1.129 1.218 1.141 1.030  14.99
4)m FREON 114         4.744 5.496 5.480 4.320 4.454 4.931 4.906 4.904   9.32
5)m CHLOROMETHANE     1.721 1.889 1.808 1.370 1.475 1.566 1.516 1.621  11.69
6)m VINYL CHLORIDE    1.062 1.746 1.741 1.405 1.524 1.622 1.590 1.527  15.55
7)m 1,3-BUTADIENE     1.579 1.638 1.787 1.556 1.679 1.750 1.726 1.674   5.20
8)m BROMOMETHANE      1.376 1.699 1.656 1.301 1.334 1.392 1.379 1.448  11.06
9)m CHLOROETHANE      0.638 0.878 0.791 0.674 0.698 0.746 0.741 0.738  10.83
10)m TRICHLOROFLUOROME 5.022 5.754 5.719 4.778 4.944 4.859 4.589 5.095   9.01
11)m ISOPROPYL ALCOHOL 2.224 3.003 3.037 2.755 3.308 2.691 2.761 2.826  12.07
12)m ACETONE          4.425 5.063 3.622 3.171 3.440 3.125 3.037 3.698  20.67
13)m PENTANE          2.436 2.492 2.387 2.064 2.129 2.114 2.113 2.248   8.09
14)m 1,1-DICHLOROETHYL 1.048 1.495 1.548 1.357 1.472 1.445 1.447 1.402  11.88
15)m CARBON DISULFIDE  4.945 5.602 5.853 4.956 5.320 5.222 5.066 5.281   6.47
16)m ETHANOL          0.963 0.804 0.645 0.515 0.589 0.505 0.493 0.645  27.53
17)m BROMOETHENE      1.048 1.265 1.299 1.135 1.211 1.220 1.231 1.201   7.04
18)m METHYLENE CHLORID 3.934 3.889 2.657 2.165 2.537 2.166 2.073 2.774  29.02
         ----- Quadratic regression -----  Coefficient =  0.9986
              Response Ratio = 0.05906 + 2.32906 *A + -0.06860 *A^2

19)m 3-CHLOROPROPENE   1.599 2.220 1.825 1.770 2.050 2.033 2.040 1.934  10.92
20)m FREON 113         2.383 2.847 2.771 2.320 2.493 2.343 2.266 2.489   9.26
21)m TRANS-1,2-DICHLOR 1.137 1.526 1.465 1.346 1.523 1.402 1.379 1.397   9.60
22)m TERTIARY BUTYL AL 1.876 2.907 3.223 2.998 3.606 3.058 2.976 2.949  17.92
23)m METHYL TERTIARY B 1.809 2.859 3.192 3.101 3.962 3.339 3.514 3.111  21.58
24)m TETRAHYDROFURAN   0.380 0.768 0.889 1.101 1.568 1.436 1.537 1.097  40.72
  ----- Linear regression  (equal Weighting)-----  Coefficient =  0.9981
              Response Ratio = -0.09472 + 1.54797 *A

25)m HEXANE            1.673 2.214 2.269 2.320 2.893 2.714 2.838 2.417  17.85
26)m VINYL ACETATE     1.494 2.798 2.802 2.582 3.385 3.130 3.373 2.795  23.24
27)m 1,1-DICHLOROETHAN 3.059 4.388 3.829 3.394 3.878 3.843 3.827 3.745  11.16
28)m METHYL ETHYL KETO 1.218 2.218 2.379 2.485 3.256 2.888 3.015 2.494  27.01
29)m cis-1,2-DICHLOROE 0.492 0.867 0.814 0.859 1.145 1.175 1.303 0.951  29.02
30)m ETHYL ACETATE     3.263 4.967 5.428 5.296 6.439 5.835 6.040 5.324  19.41
31)m CHLOROFORM        3.423 4.423 3.913 3.531 4.113 3.927 3.954 3.898   8.68
32)m 1,1,1-TRICHLOROET 2.748 4.066 3.598 3.293 3.888 3.692 3.728 3.573  12.21
33)m CARBON TETRACHLOR 3.319 4.358 4.164 3.754 4.319 3.844 3.746 3.929   9.49
34)m 1,2-DICHLOROETHAN 1.442 2.552 2.347 2.154 2.648 2.650 2.772 2.366  19.36

35) I   1,4-DIFLUOROBENZENE   ----------------ISTD---------------------
36)m BENZENE           0.330 0.581 0.544 0.599 0.797 0.860 0.981 0.670  33.00
         ----- Quadratic regression -----  Coefficient =  0.9996
              Response Ratio = -0.03049 + 0.74840 *A + 0.06023 *A^2
```

Initial Calibration Summary

Job Number: M67589
Account: GEI GEI Consultants, Inc.
Project: GEI Tufts Street Somerville MA

Sample: MSQ230-ICC230
Lab FileID: Q4338.D

```
37)m CYCLOHEXANE       0.077 0.158 0.252 0.279 0.361 0.339 0.364 0.261  41.77
         ----- Quadratic regression -----  Coefficient =  0.9992
              Response Ratio = -0.01056 + 0.33414 *A + 0.00807 *A^2

38)m TRICHLOROETHYLENE 0.193 0.326 0.341 0.362 0.451 0.444 0.470 0.370  26.17
39)m 1,2-DICHLOROPROPA 0.176 0.277 0.238 0.244 0.317 0.325 0.367 0.278  23.10
40)m BROMODICHLOROMETH 0.550 0.764 0.630 0.620 0.782 0.788 0.852 0.712  15.65
41)m 2,2,4-TRIMETHYLPE 0.525 1.043 1.272 1.387 1.774 1.756 1.940 1.385  35.68
         ----- Quadratic regression -----  Coefficient =  0.9995
              Response Ratio = -0.05067 + 1.64378 *A + 0.07697 *A^2

42)m 1,4-DIOXANE             0.069 0.088 0.105 0.149 0.140 0.157 0.118  30.33
         ----- Quadratic regression -----  Coefficient =  0.9987
              Response Ratio = -0.00673 + 0.13457 *A + 0.00602 *A^2

43)m HEPTANE           0.235 0.361 0.421 0.526 0.714 0.716 0.774 0.535  38.52
         ----- Quadratic regression -----  Coefficient =  0.9993
              Response Ratio = -0.03258 + 0.68481 *A + 0.02439 *A^2

44)m METHYL ISOBUTYL K 0.203 0.363 0.507 0.624 0.852 0.787 0.864 0.600  42.55
         ----- Quadratic regression -----  Coefficient =  0.9987
              Response Ratio = -0.02777 + 0.76900 *A + 0.02525 *A^2

45)m cis-1,3-DICHLOROP 0.122 0.191 0.197 0.242 0.360 0.389 0.455 0.280  43.87
         ----- Quadratic regression -----  Coefficient =  0.9993
              Response Ratio = -0.01861 + 0.33190 *A + 0.03211 *A^2

46)m TOLUENE           0.319 0.365 0.331 0.420 0.592 0.618 0.748 0.485  34.52
         ----- Quadratic regression -----  Coefficient =  0.9994
              Response Ratio = -0.02018 + 0.51306 *A + 0.05991 *A^2

47)m trans-1,3-DICHLOR 0.071 0.128 0.131 0.153 0.231 0.253 0.312 0.183  46.41
         ----- Quadratic regression -----  Coefficient =  0.9994
              Response Ratio = -0.01007 + 0.20079 *A + 0.02836 *A^2

48)m 1,1,2-TRICHLOROET 0.158 0.270 0.234 0.227 0.284 0.282 0.316 0.253  20.49

49) I   CHLOROBENZENE-D5      ----------------ISTD---------------------
50)m 2-HEXANONE        0.177 0.304 0.363 0.480 0.743 0.731 0.807 0.515  48.01
         ----- Quadratic regression -----  Coefficient =  0.9987
              Response Ratio = -0.04042 + 0.69359 *A + 0.03086 *A^2

51)m TETRACHLOROETHYLE 0.146 0.314 0.284 0.290 0.384 0.404 0.433 0.322  30.11
         ----- Quadratic regression -----  Coefficient =  0.9994
              Response Ratio = -0.01511 + 0.37692 *A + 0.01519 *A^2

52)m DIBROMOCHLOROMETH 0.379 0.616 0.545 0.535 0.674 0.710 0.752 0.602  21.13
53)m 1,2-DIBROMOETHANE 0.193 0.340 0.315 0.324 0.428 0.443 0.490 0.362  27.64
54)m CHLOROBENZENE     0.383 0.607 0.560 0.543 0.680 0.694 0.755 0.603  20.46
55)m ETHYLBENZENE      0.278 0.476 0.639 0.873 1.321 1.396 1.615 0.942  54.07
         ----- Quadratic regression -----  Coefficient =  0.9992
              Response Ratio = -0.07660 + 1.22512 *A + 0.10257 *A^2

56)m m,p-XYLENE        0.079 0.153 0.272 0.343 0.472 0.472 0.526 0.331  51.88
         ----- Quadratic regression -----  Coefficient =  0.9993
              Response Ratio = -0.04355 + 0.44112 *A + 0.01133 *A^2

57)m o-XYLENE          0.099 0.159 0.260 0.343 0.477 0.465 0.514 0.331  49.50
         ----- Quadratic regression -----  Coefficient =  0.9991
              Response Ratio = -0.02155 + 0.44305 *A + 0.01893 *A^2
```

Initial Calibration Summary

Job Number: M67589
Account: GEI GEI Consultants, Inc.
Project: GEI Tufts Street Somerville MA

Sample: MSQ230-ICC230
Lab FileID: Q4338.D

```
58)m STYRENE           0.057 0.102 0.149 0.199 0.372 0.421 0.495 0.256  66.76
         ----- Quadratic regression -----  Coefficient =  0.9986
              Response Ratio = -0.03065 + 0.35261 *A + 0.03783 *A^2

59)m NONANE            0.242 0.469 0.702 0.846 1.144 1.163 1.252 0.831  46.10
         ----- Quadratic regression -----  Coefficient =  0.9994
              Response Ratio = -0.05639 + 1.11282 *A + 0.03840 *A^2

60)m BROMOFORM         0.235 0.399 0.387 0.375 0.498 0.510 0.561 0.424  25.79
61)S 4-BROMOFLUOROBENZ 0.513 0.578 0.662 0.710 0.728 0.731 0.732 0.665  13.13
62)m 1,1,2,2-TETRACHLO 0.464 0.808 0.774 0.741 0.909 0.836 0.897 0.776  19.41
63)m ISOPROPYLBENZENE  0.302 0.601 0.865 1.039 1.405 1.345 1.445 1.000  43.74
         ----- Quadratic regression -----  Coefficient =  0.9991
              Response Ratio = -0.05551 + 1.32009 *A + 0.03454 *A^2

64)m 2-CHLOROTOLUENE   0.165 0.349 0.472 0.649 0.956 0.959 1.063 0.659  52.45
         ----- Quadratic regression -----  Coefficient =  0.9990
              Response Ratio = -0.05265 + 0.90132 *A + 0.04369 *A^2

65)m 4-ETHYLTOLUENE    0.147 0.274 0.469 0.708 1.050 1.028 1.118 0.685  57.96
         ----- Quadratic regression -----  Coefficient =  0.9988
              Response Ratio = -0.06199 + 0.99832 *A + 0.03384 *A^2

66)m 1,3,5-TRIMETHYLBE 0.190 0.369 0.670 0.870 1.158 1.087 1.152 0.785  49.70
         ----- Quadratic regression -----  Coefficient =  0.9990
              Response Ratio = -0.04817 + 1.09392 *A + 0.01738 *A^2

67)m 1,2,4-TRIMETHYLBE 0.124 0.237 0.379 0.610 0.916 0.896 0.979 0.592  59.28
         ----- Quadratic regression -----  Coefficient =  0.9987
              Response Ratio = -0.05559 + 0.86805 *A + 0.03110 *A^2

68)m m-DICHLOROBENZENE 0.053 0.143 0.214 0.239 0.302 0.288 0.321 0.223  43.24
         ----- Quadratic regression -----  Coefficient =  0.9993
              Response Ratio = -0.00733 + 0.27327 *A + 0.01218 *A^2

69)m BENZYL CHLORIDE         0.107 0.152 0.165 0.239 0.241 0.289 0.199  34.33
         ----- Quadratic regression -----  Coefficient =  0.9992
              Response Ratio = -0.01032 + 0.20831 *A + 0.02076 *A^2

70)m p-DICHLOROBENZENE 0.016 0.094 0.128 0.170 0.222 0.210 0.232 0.153  51.49
         ----- Quadratic regression -----  Coefficient =  0.9990
              Response Ratio = -0.00761 + 0.20219 *A + 0.00783 *A^2

71)m o-DICHLOROBENZENE 0.063 0.154 0.211 0.239 0.322 0.313 0.355 0.237  43.82
         ----- Quadratic regression -----  Coefficient =  0.9992
              Response Ratio = -0.01002 + 0.28966 *A + 0.01680 *A^2

72)m HEXACHLOROBUTADIE 0.320 0.454 0.215 0.211 0.248 0.214 0.215 0.268  33.92
         ----- Quadratic regression -----  Coefficient =  0.9985
              Response Ratio = 0.00496 + 0.22232 *A + -0.00228 *A^2

73)m 1,2,4-TRICHLOROBE       0.024 0.013 0.015 0.026 0.027 0.041 0.024  40.40
         ----- Quadratic regression -----  Coefficient =  0.9989
              Response Ratio = 0.00007 + 0.01544 *A + 0.00633 *A^2

74)m NAPHTHALENE                                                 0.000  -1.00
75)  2-METHYLNAPHTHALE                                           0.000  -1.00
76)  1-METHYLNAPHTHALE                                           0.000  -1.00
-------------------------------------------------------------------------------
```

Initial Calibration Summary

Job Number: M67589
Account: GEI GEI Consultants, Inc.
Project: GEI Tufts Street Somerville MA

Sample: MSQ230-ICC230
Lab FileID: Q4338.D

(#) = Out of Range

Q082007T.m Tue Aug 21 16:10:11 2007 RPT1

Continuing Calibration Summary

Job Number: M67589
Account: GEI GEI Consultants, Inc.
Project: GEI Tufts Street Somerville MA

Sample: MSQ230-CC230
Lab FileID: Q4342A.D

Evaluate Continuing Calibration Report

Data File : C:\msdchem\1\DATA\Q4342a.D Vial: 3
Acq On : 20 Aug 2007 5:49 pm Operator: danat
Sample : cc230-10 (M164) Inst : MAMSQ
Misc : MS14080, MSQ230,,,,,1 Multiplr: 1.00
MS Integration Params: LSCINT.P

Method : C:\msdchem\1\METHODS\Q082007T.m (RTE Integrator)
Title : TO15 by GCMS w/DB-1 60 m X .25 mm ID 1.0 um
Last Update : Mon Aug 20 17:58:39 2007
Response via : Multiple Level Calibration

Min. RRF : 0.000 Min. Rel. Area : 60% Max. R.T. Dev 0.33min
Max. RRF Dev : 30% Max. Rel. Area : 140%

		Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)	RT Window
1	I	BROMOCHLOROMETHANE	1.000	1.000	0.0	104	0.00	8.42- 8.83
2	m	DICHLORODIFLUOROMETHAN	5.136	5.453	-6.2	118	0.00	3.83- 4.24
3	m	PROPYLENE	1.030	1.221	-18.5	112	0.00	3.76- 4.17
4	m	FREON 114	4.904	4.981	-1.6	116	0.00	4.09- 4.50
5	m	CHLOROMETHANE	1.621	1.581	2.5	111	0.00	3.99- 4.40
6	m	VINYL CHLORIDE	1.527	1.683	-10.2	115	0.00	4.21- 4.62
7	m	1,3-BUTADIENE	1.674	1.774	-6.0	110	0.00	4.35- 4.76
8	m	BROMOMETHANE	1.448	1.479	-2.1	115	0.00	4.63- 5.04
9	m	CHLOROETHANE	0.738	0.800	-8.4	119	0.00	4.80- 5.21
10	m	TRICHLOROFLUOROMETHANE	5.095	5.485	-7.7	115	0.00	5.58- 5.99
11	m	ISOPROPYL ALCOHOL	2.826	3.625	-28.3	114	0.00	5.59- 6.06
12	m	ACETONE	3.698	3.615	2.2	109	0.00	5.39- 5.80
13	m	PENTANE	2.248	2.378	-5.8	116	0.00	5.99- 6.30
14	m	1,1-DICHLOROETHYLENE	1.402	1.528	-9.0	108	0.00	6.22- 6.63
15	m	CARBON DISULFIDE	5.281	5.611	-6.2	109	0.00	6.65- 7.06
16	m	ETHANOL	0.645	0.584	9.5	103	0.00	4.86- 5.33
17	m	BROMOETHENE	1.201	1.326	-10.4	114	0.00	5.16- 5.57
		----------	True	Calc.	% Drift	----------		
18	m	METHYLENE CHLORIDE	10.000	7.558	24.4	73	0.00	6.39- 6.69
		----------	AvgRF	CCRF	% Dev	----------		
19	m	3-CHLOROPROPENE	1.934	2.437	-26.0	123	0.00	6.45- 6.86
20	m	FREON 113	2.489	2.505	-0.6	104	0.00	6.59- 7.00
21	m	TRANS-1,2-DICHLOROETHY	1.397	1.681	-20.3	114	0.00	7.26- 7.67
22	m	TERTIARY BUTYL ALCOHOL	2.949	3.943	-33.7#	113	0.00	6.17- 6.68
23	m	METHYL TERTIARY BUTYL	3.111	4.084	-31.3#	107	0.00	7.50- 7.91
		----------	True	Calc.	% Drift	----------		
24	m	TETRAHYDROFURAN	10.000	11.478	-14.8	111	0.00	8.99- 9.28
		----------	AvgRF	CCRF	% Dev	----------		
25	m	HEXANE	2.417	2.610	-8.0	94	0.00	8.46- 8.87
26	m	VINYL ACETATE	2.795	4.019	-43.8#	123	0.00	7.61- 7.96
27	m	1,1-DICHLOROETHANE	3.745	4.306	-15.0	115	0.00	7.45- 7.87
28	m	METHYL ETHYL KETONE	2.494	3.686	-47.8#	117	0.00	7.78- 8.27
29	m	cis-1,2-DICHLOROETHYLE	0.951	1.272	-33.8#	115	0.00	8.26- 8.67
30	m	ETHYL ACETATE	5.324	6.663	-25.2	107	0.00	8.45- 8.87
31	m	CHLOROFORM	3.898	4.434	-13.8	112	0.00	8.54- 8.95
32	m	1,1,1-TRICHLOROETHANE	3.573	4.196	-17.4	112	0.00	9.50- 9.91
33	m	CARBON TETRACHLORIDE	3.929	4.680	-19.1	112	0.00	10.08-10.49
34	m	1,2-DICHLOROETHANE	2.366	3.065	-29.5	120	0.00	9.25- 9.66

Continuing Calibration Summary

Job Number: M67589
Account: GEI GEI Consultants, Inc.
Project: GEI Tufts Street Somerville MA

Sample: MSQ230-CC230
Lab FileID: Q4342A.D

35	I	1,4-DIFLUOROBENZENE	1.000	1.000	0.0	103	0.00	10.25-10.66
		----------	True	Calc.	% Drift			----------
36	m	BENZENE	10.000	11.167	-11.7	114	0.00	9.94-10.35
37	m	CYCLOHEXANE	10.000	11.423	-14.2	109	0.00	10.20-10.61
		----------	AvgRF	CCRF	% Dev			----------
38	m	TRICHLOROETHYLENE	0.370	0.519	-40.3#	118	0.00	10.99-11.30
39	m	1,2-DICHLOROPROPANE	0.278	0.356	-28.1	115	0.00	10.71-11.13
40	m	BROMODICHLOROMETHANE	0.712	0.849	-19.2	112	0.00	10.95-11.26
		----------	True	Calc.	% Drift			----------
41	m	2,2,4-TRIMETHYLPENTANE	10.000	11.565	-15.6	113	0.00	10.96-11.37
42	m	1,4-DIOXANE	10.000	11.882	-18.8	112	0.00	10.87-11.39
43	m	HEPTANE	10.000	10.970	-9.7	108	0.00	11.25-11.56
44	m	METHYL ISOBUTYL KETONE	10.000	12.001	-20.0	113	0.00	11.76-12.19
45	m	cis-1,3-DICHLOROPROPEN	10.000	13.570	-35.7#	140	0.00	11.75-12.16
46	m	TOLUENE	10.000	9.897	1.0	95	0.00	12.71-13.12
47	m	trans-1,3-DICHLOROPROP	10.000	15.370	-53.7#	163	0.00	12.30-12.61
		----------	AvgRF	CCRF	% Dev			----------
48	m	1,1,2-TRICHLOROETHANE	0.253	0.333	-31.6#	121	0.00	12.46-12.82
49	I	CHLOROBENZENE-D5	1.000	1.000	0.0	103	0.00	14.55-14.86
		----------	True	Calc.	% Drift			----------
50	m	2-HEXANONE	10.000	13.302	-33.0#	130	0.00	12.94-13.34
51	m	TETRACHLOROETHYLENE	10.000	11.451	-14.5	117	0.00	13.84-14.26
		----------	AvgRF	CCRF	% Dev			----------
52	m	DIBROMOCHLOROMETHANE	0.602	0.780	-29.6	119	0.00	13.16-13.53
53	m	1,2-DIBROMOETHANE	0.362	0.611	-68.8#	147#	0.00	13.44-13.75
54	m	CHLOROBENZENE	0.603	0.931	-54.4#	141#	0.00	14.59-14.90
		----------	True	Calc.	% Drift			----------
55	m	ETHYLBENZENE	10.000	12.345	-23.5	124	0.00	14.94-15.30
56	m	m,p-XYLENE	20.000	26.059	-30.3#	129	0.02	15.14-15.50
57	m	o-XYLENE	10.000	12.609	-26.1	123	0.00	15.64-16.00
58	m	STYRENE	10.000	17.940	-79.4#	201	0.00	15.55-15.86
59	m	NONANE	10.000	11.686	-16.9	117	0.00	15.86-16.17
		----------	AvgRF	CCRF	% Dev			----------
60	m	BROMOFORM	0.424	0.605	-42.7#	125	0.00	15.26-15.57
61	S	4-BROMOFLUOROBENZENE	0.665	0.727	-9.3	103	0.00	16.16-16.47
62	m	1,1,2,2-TETRACHLOROETH	0.776	1.064	-37.1#	121	0.00	15.65-15.96
		----------	True	Calc.	% Drift			----------
63	m	ISOPROPYLBENZENE	10.000	12.557	-25.6	122	0.00	16.31-16.62
64	m	2-CHLOROTOLUENE	10.000	13.520	-35.2#	134	0.00	16.81-17.22
65	m	4-ETHYLTOLUENE	10.000	13.532	-35.3#	133	0.00	17.07-17.34
66	m	1,3,5-TRIMETHYLBENZENE	10.000	13.083	-30.8#	126	0.00	17.16-17.42
67	m	1,2,4-TRIMETHYLBENZENE	10.000	14.159	-41.6#	139	0.00	17.60-17.91
68	m	m-DICHLOROBENZENE	10.000	22.799	-128.0#	232	0.00	17.77-18.10
69	m	BENZYL CHLORIDE	10.000	28.296	-183.0#	322	0.00	17.76-18.07
70	m	p-DICHLOROBENZENE	10.000	28.620	-186.2#	295	0.00	17.89-18.13
71	m	o-DICHLOROBENZENE	10.000	18.182	-81.8#	183	0.00	18.24-18.55
72	m	HEXACHLOROBUTADIENE	10.000	12.629	-26.3	117	0.00	20.59-21.00
73	m	1,2,4-TRICHLOROBENZENE	10.000	36.611	-266.1#	568	0.00	20.09-20.51

Continuing Calibration Summary

Job Number: M67589
Account: GEI GEI Consultants, Inc.
Project: GEI Tufts Street Somerville MA

Sample: MSQ230-CC230
Lab FileID: Q4342A.D

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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
    Q4338.D    Q082007T.m       Tue Aug 21 16:14:29 2007   RPT1
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Initial Calibration Verification

Job Number: M67589
Account: GEI GEI Consultants, Inc.
Project: GEI Tufts Street Somerville MA

Sample: MSQ230-ICV230
Lab FileID: Q4342.D

Evaluate Continuing Calibration Report

Data File : C:\msdchem\1\DATA\Q4342.D Vial: 3
Acq On : 20 Aug 2007 5:49 pm Operator: danat
Sample : icv230-10 (M164) Inst : MAMSQ
Misc : MS14080, MSQ230,,,,,1 Multiplr: 1.00
MS Integration Params: LSCINT.P

Method : C:\msdchem\1\METHODS\Q082007T.m (RTE Integrator)
Title : TO15 by GCMS w/DB-1 60 m X .25 mm ID 1.0 um
Last Update : Mon Aug 20 17:58:39 2007
Response via : Multiple Level Calibration

Min. RRF : 0.000 Min. Rel. Area : 60% Max. R.T. Dev 0.33min
Max. RRF Dev : 30% Max. Rel. Area : 140%

		Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)	RT Window
1	I	BROMOCHLOROMETHANE	1.000	1.000	0.0	104	0.00	8.42- 8.83
2	m	DICHLORODIFLUOROMETHAN	5.136	5.453	-6.2	118	0.00	3.83- 4.24
3	m	PROPYLENE	1.030	1.221	-18.5	112	0.00	3.76- 4.17
4	m	FREON 114	4.904	4.981	-1.6	116	0.00	4.09- 4.50
5	m	CHLOROMETHANE	1.621	1.581	2.5	111	0.00	3.99- 4.40
6	m	VINYL CHLORIDE	1.527	1.683	-10.2	115	0.00	4.21- 4.62
7	m	1,3-BUTADIENE	1.674	1.774	-6.0	110	0.00	4.35- 4.76
8	m	BROMOMETHANE	1.448	1.479	-2.1	115	0.00	4.63- 5.04
9	m	CHLOROETHANE	0.738	0.800	-8.4	119	0.00	4.80- 5.21
10	m	TRICHLOROFLUOROMETHANE	5.095	5.485	-7.7	115	0.00	5.58- 5.99
11	m	ISOPROPYL ALCOHOL	2.826	3.625	-28.3	114	0.00	5.59- 6.06
12	m	ACETONE	3.698	3.615	2.2	109	0.00	5.39- 5.80
13	m	PENTANE	2.248	2.378	-5.8	116	0.00	5.99- 6.30
14	m	1,1-DICHLOROETHYLENE	1.402	1.528	-9.0	108	0.00	6.22- 6.63
15	m	CARBON DISULFIDE	5.281	5.611	-6.2	109	0.00	6.65- 7.06
16	m	ETHANOL	0.645	0.584	9.5	103	0.00	4.86- 5.33
17	m	BROMOETHENE	1.201	1.326	-10.4	114	0.00	5.16- 5.57
		----------	True	Calc.	% Drift	----------		
18	m	METHYLENE CHLORIDE	10.000	7.558	24.4	73	0.00	6.39- 6.69
		----------	AvgRF	CCRF	% Dev	----------		
19	m	3-CHLOROPROPENE	1.934	2.437	-26.0	123	0.00	6.45- 6.86
20	m	FREON 113	2.489	2.505	-0.6	104	0.00	6.59- 7.00
21	m	TRANS-1,2-DICHLOROETHY	1.397	1.681	-20.3	114	0.00	7.26- 7.67
22	m	TERTIARY BUTYL ALCOHOL	2.949	3.943	-33.7#	113	0.00	6.17- 6.68
23	m	METHYL TERTIARY BUTYL	3.111	4.084	-31.3#	107	0.00	7.50- 7.91
		----------	True	Calc.	% Drift	----------		
24	m	TETRAHYDROFURAN	10.000	11.478	-14.8	111	0.00	8.99- 9.28
		----------	AvgRF	CCRF	% Dev	----------		
25	m	HEXANE	2.417	2.610	-8.0	94	0.00	8.46- 8.87
26	m	VINYL ACETATE	2.795	4.019	-43.8#	123	0.00	7.61- 7.96
27	m	1,1-DICHLOROETHANE	3.745	4.306	-15.0	115	0.00	7.45- 7.87
28	m	METHYL ETHYL KETONE	2.494	3.686	-47.8#	117	0.00	7.78- 8.27
29	m	cis-1,2-DICHLOROETHYLE	0.951	1.272	-33.8#	115	0.00	8.26- 8.67
30	m	ETHYL ACETATE	5.324	6.663	-25.2	107	0.00	8.45- 8.87
31	m	CHLOROFORM	3.898	4.434	-13.8	112	0.00	8.54- 8.95
32	m	1,1,1-TRICHLOROETHANE	3.573	4.196	-17.4	112	0.00	9.50- 9.91
33	m	CARBON TETRACHLORIDE	3.929	4.680	-19.1	112	0.00	10.08-10.49
34	m	1,2-DICHLOROETHANE	2.366	3.065	-29.5	120	0.00	9.25- 9.66

Initial Calibration Verification

Job Number: M67589
Account: GEI GEI Consultants, Inc.
Project: GEI Tufts Street Somerville MA

Sample: MSQ230-ICV230
Lab FileID: Q4342.D

35	I	1,4-DIFLUOROBENZENE	1.000	1.000	0.0	103	0.00	10.25-10.66
		----------	True	Calc.	% Drift			----------
36	m	BENZENE	10.000	11.167	-11.7	114	0.00	9.94-10.35
37	m	CYCLOHEXANE	10.000	11.423	-14.2	109	0.00	10.20-10.61
		----------	AvgRF	CCRF	% Dev			----------
38	m	TRICHLOROETHYLENE	0.370	0.519	-40.3#	118	0.00	10.99-11.30
39	m	1,2-DICHLOROPROPANE	0.278	0.356	-28.1	115	0.00	10.71-11.13
40	m	BROMODICHLOROMETHANE	0.712	0.849	-19.2	112	0.00	10.95-11.26
		----------	True	Calc.	% Drift			----------
41	m	2,2,4-TRIMETHYLPENTANE	10.000	11.565	-15.6	113	0.00	10.96-11.37
42	m	1,4-DIOXANE	10.000	11.882	-18.8	112	0.00	10.87-11.39
43	m	HEPTANE	10.000	10.970	-9.7	108	0.00	11.25-11.56
44	m	METHYL ISOBUTYL KETONE	10.000	12.001	-20.0	113	0.00	11.76-12.19
45	m	cis-1,3-DICHLOROPROPEN	10.000	13.570	-35.7#	140	0.00	11.75-12.16
46	m	TOLUENE	10.000	9.897	1.0	95	0.00	12.71-13.12
47	m	trans-1,3-DICHLOROPROP	10.000	15.370	-53.7#	163	0.00	12.30-12.61
		----------	AvgRF	CCRF	% Dev			----------
48	m	1,1,2-TRICHLOROETHANE	0.253	0.333	-31.6#	121	0.00	12.46-12.82
49	I	CHLOROBENZENE-D5	1.000	1.000	0.0	103	0.00	14.55-14.86
		----------	True	Calc.	% Drift			----------
50	m	2-HEXANONE	10.000	13.302	-33.0#	130	0.00	12.94-13.34
51	m	TETRACHLOROETHYLENE	10.000	11.451	-14.5	117	0.00	13.84-14.26
		----------	AvgRF	CCRF	% Dev			----------
52	m	DIBROMOCHLOROMETHANE	0.602	0.780	-29.6	119	0.00	13.16-13.53
53	m	1,2-DIBROMOETHANE	0.362	0.611	-68.8#	147#	0.00	13.44-13.75
54	m	CHLOROBENZENE	0.603	0.931	-54.4#	141#	0.00	14.59-14.90
		----------	True	Calc.	% Drift			----------
55	m	ETHYLBENZENE	10.000	12.345	-23.5	124	0.00	14.94-15.30
56	m	m,p-XYLENE	20.000	26.059	-30.3#	129	0.02	15.14-15.50
57	m	o-XYLENE	10.000	12.609	-26.1	123	0.00	15.64-16.00
58	m	STYRENE	10.000	17.940	-79.4#	201	0.00	15.55-15.86
59	m	NONANE	10.000	11.686	-16.9	117	0.00	15.86-16.17
		----------	AvgRF	CCRF	% Dev			----------
60	m	BROMOFORM	0.424	0.605	-42.7#	125	0.00	15.26-15.57
61	S	4-BROMOFLUOROBENZENE	0.665	0.727	-9.3	103	0.00	16.16-16.47
62	m	1,1,2,2-TETRACHLOROETH	0.776	1.064	-37.1#	121	0.00	15.65-15.96
		----------	True	Calc.	% Drift			----------
63	m	ISOPROPYLBENZENE	10.000	12.557	-25.6	122	0.00	16.31-16.62
64	m	2-CHLOROTOLUENE	10.000	13.520	-35.2#	134	0.00	16.81-17.22
65	m	4-ETHYLTOLUENE	10.000	13.532	-35.3#	133	0.00	17.07-17.34
66	m	1,3,5-TRIMETHYLBENZENE	10.000	13.083	-30.8#	126	0.00	17.16-17.42
67	m	1,2,4-TRIMETHYLBENZENE	10.000	14.159	-41.6#	139	0.00	17.60-17.91
68	m	m-DICHLOROBENZENE	10.000	22.799	-128.0#	232	0.00	17.77-18.10
69	m	BENZYL CHLORIDE	10.000	28.296	-183.0#	322	0.00	17.76-18.07
70	m	p-DICHLOROBENZENE	10.000	28.620	-186.2#	295	0.00	17.89-18.13
71	m	o-DICHLOROBENZENE	10.000	18.182	-81.8#	183	0.00	18.24-18.55
72	m	HEXACHLOROBUTADIENE	10.000	12.629	-26.3	117	0.00	20.59-21.00
73	m	1,2,4-TRICHLOROBENZENE	10.000	36.611	-266.1#	568	0.00	20.09-20.51

Initial Calibration Verification

Job Number: M67589
Account: GEI GEI Consultants, Inc.
Project: GEI Tufts Street Somerville MA

Sample: MSQ230-ICV230
Lab FileID: Q4342.D

```
            ---------------------- 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
    Q4338.D    Q082007T.m       Tue Aug 21 16:11:07 2007   RPT1
```

Initial Calibration Summary

Job Number: M67589
Account: GEI GEI Consultants, Inc.
Project: GEI Tufts Street Somerville MA

Sample: MSQ241-ICC241
Lab FileID: Q4581.D

Response Factor Report MAMSQ

```
Method       : C:\msdchem\1\METHODS\Q091307T.m (RTE Integrator)
Title        :  TO15  by GCMS w/DB-1 60 m X .25 mm ID 1.0 um
Last Update  : Thu Sep 13 13:58:21 2007
Response via : Initial Calibration

Calibration Files
.2     =Q4578.D      .5     =Q4577.D      2      =Q4583.D
5    =Q4582.D     10   =Q4581.D     20   =Q4580.D     40   =Q4579.D

    Compound           .2    .5    2     5     10    20    40     Avg   %RSD
--------------------------------------------------------------------------------

1) I   BROMOCHLOROMETHANE    ----------------ISTD---------------------
2)m DICHLORODIFLUOROM 6.112 4.422 6.101 4.667 3.988 3.613 3.905 4.687  21.96
3)m PROPYLENE         0.789 0.475 1.102 0.873 0.819 0.778 0.788 0.804  22.89
4)m FREON 114         6.096 4.206 5.742 4.130 4.226 4.001 3.901 4.614  19.59
5)m CHLOROMETHANE     1.545 1.105 1.485 1.081 1.089 1.041 1.011 1.194  18.61
6)m VINYL CHLORIDE    1.419 1.114 1.703 1.274 1.350 1.261 1.173 1.328  14.63
7)m 1,3-BUTADIENE     0.900 0.688 1.154 0.885 1.054 0.955 0.939 0.939  15.50
8)m BROMOMETHANE      1.850 1.289 1.752 1.313 1.347 1.316 1.231 1.443  17.26
9)m CHLOROETHANE      0.551 0.521 0.635 0.490 0.592 0.566 0.553 0.558   8.42
10)m TRICHLOROFLUOROME 5.471 4.161 5.634 4.266 4.072 3.664 3.775 4.435  17.89
11)m ISOPROPYL ALCOHOL 1.573 1.442 1.971 1.774 1.739 1.750 1.625 1.696   9.95
12)m ACETONE          3.422 2.887 2.097 1.800 1.728 1.702 1.724 2.195  31.32
  ----- Linear regression  (equal Weighting)-----  Coefficient =  0.9999
              Response Ratio = 0.04359 + 1.70621 *A

13)m PENTANE          1.665 1.227 1.649 1.341 1.292 1.343 1.248 1.395  13.20
14)m 1,1-DICHLOROETHYL 1.235 1.056 1.574 1.285 1.243 1.263 1.168 1.260  12.55
15)m CARBON DISULFIDE  4.683 3.565 5.038 4.087 3.827 3.788 3.532 4.074  14.16
16)m ETHANOL          0.425 0.395 0.504 0.413 0.399 0.402 0.380 0.417   9.78
17)m BROMOETHENE      1.104 0.994 1.558 1.226 1.214 1.244 1.135 1.211  14.54
18)m METHYLENE CHLORID 7.422 4.966 1.973 1.383 1.276 1.392 1.328 2.820  85.90
  ----- Linear regression  (equal Weighting)-----  Coefficient =  0.9984
              Response Ratio = 0.10626 + 1.30143 *A

19)m 3-CHLOROPROPENE   0.985 0.950 1.255 1.123 1.204 1.335 1.250 1.157  12.51
20)m FREON 113         3.868 2.540 2.905 2.366 2.246 2.329 2.188 2.635  22.56
21)m TRANS-1,2-DICHLOR 1.237 1.098 1.403 1.214 1.231 1.270 1.152 1.229   7.79
22)m TERTIARY BUTYL AL 1.440 1.551 2.636 2.265 2.282 2.303 1.277 1.965  26.89
23)m METHYL TERTIARY B 1.689 1.710 2.970 2.726 2.673 3.006 2.660 2.490  22.38
24)m TETRAHYDROFURAN   0.283 0.307 0.868 0.899 0.961 1.039 1.009 0.766  42.71
  ----- Linear regression  (equal Weighting)-----  Coefficient =  0.9995
              Response Ratio = -0.03217 + 1.02213 *A

25)m HEXANE            1.331 1.223 1.951 1.718 1.736 1.791 1.748 1.642  16.03
26)m VINYL ACETATE     1.268 1.446 2.268 2.174 2.282 2.562 2.434 2.062  24.26
27)m 1,1-DICHLOROETHAN 2.432 2.332 2.582 2.289 2.362 2.583 2.481 2.437   4.82
28)m METHYL ETHYL KETO 1.143 1.217 1.980 1.934 1.854 2.040 2.006 1.739  22.27
29)m cis-1,2-DICHLOROE 0.542 0.603 1.018 0.993 1.051 1.143 1.171 0.932  27.25
30)m ETHYL ACETATE     2.337 2.349 3.414 3.149 3.147 3.293 3.195 2.984  14.99
31)m CHLOROFORM        2.935 2.711 3.120 2.748 2.800 3.005 2.913 2.890   5.08
32)m 1,1,1-TRICHLOROET 2.563 2.498 3.043 2.684 2.654 2.893 2.843 2.740   7.09
33)m CARBON TETRACHLOR 3.403 2.963 3.680 3.160 3.165 3.235 3.102 3.244   7.21
34)m 1,2-DICHLOROETHAN 1.208 1.354 1.836 1.674 1.697 1.883 1.915 1.652  16.48

35) I   1,4-DIFLUOROBENZENE   ----------------ISTD---------------------
36)m BENZENE           0.314 0.328 0.592 0.567 0.588 0.679 0.713 0.540  29.41
```

Initial Calibration Summary

Job Number: M67589
Account: GEI GEI Consultants, Inc.
Project: GEI Tufts Street Somerville MA

Sample: MSQ241-ICC241
Lab FileID: Q4581.D

```
37)m CYCLOHEXANE       0.085 0.096 0.301 0.271 0.259 0.272 0.287 0.224  41.25
         ----- Quadratic regression -----  Coefficient =  0.9998
              Response Ratio = -0.00073 + 0.25736 *A + 0.00740 *A^2

38)m TRICHLOROETHYLENE 0.195 0.194 0.342 0.321 0.309 0.352 0.356 0.296  24.00
39)m 1,2-DICHLOROPROPA 0.149 0.144 0.213 0.196 0.200 0.234 0.249 0.198  20.13
40)m BROMODICHLOROMETH 0.505 0.466 0.555 0.508 0.538 0.596 0.617 0.541   9.82
41)m 2,2,4-TRIMETHYLPE 0.428 0.526 1.106 1.021 1.051 1.194 1.190 0.931  34.15
         ----- Quadratic regression -----  Coefficient =  0.9993
              Response Ratio = -0.03720 + 1.15504 *A + 0.01178 *A^2

42)m 1,4-DIOXANE             0.038 0.114 0.113 0.113 0.129 0.128 0.106  32.37
         ----- Quadratic regression -----  Coefficient =  0.9992
              Response Ratio = -0.00627 + 0.12829 *A + 0.00040 *A^2

43)m HEPTANE           0.140 0.152 0.346 0.345 0.374 0.410 0.431 0.314  37.94
         ----- Quadratic regression -----  Coefficient =  0.9998
              Response Ratio = -0.01242 + 0.38564 *A + 0.01233 *A^2

44)m METHYL ISOBUTYL K 0.145 0.166 0.439 0.442 0.469 0.537 0.513 0.387  41.96
         ----- Quadratic regression -----  Coefficient =  0.9988
              Response Ratio = -0.02593 + 0.54033 *A + -0.00476 *A^2

45)m cis-1,3-DICHLOROP 0.119 0.114 0.245 0.266 0.287 0.346 0.370 0.250  40.40
         ----- Quadratic regression -----  Coefficient =  0.9992
              Response Ratio = -0.01475 + 0.30974 *A + 0.01623 *A^2

46)m TOLUENE           0.153 0.144 0.354 0.366 0.386 0.457 0.513 0.339  41.71
         ----- Quadratic regression -----  Coefficient =  0.9997
              Response Ratio = -0.01344 + 0.39114 *A + 0.03155 *A^2

47)m trans-1,3-DICHLOR 0.083 0.087 0.195 0.225 0.235 0.297 0.329 0.207  45.71
         ----- Quadratic regression -----  Coefficient =  0.9991
              Response Ratio = -0.01259 + 0.25245 *A + 0.02011 *A^2

48)m 1,1,2-TRICHLOROET 0.180 0.154 0.225 0.205 0.199 0.227 0.247 0.205  15.28

49) I   CHLOROBENZENE-D5      ----------------ISTD---------------------
50)m 2-HEXANONE        0.102 0.162 0.377 0.420 0.448 0.496 0.560 0.366  46.70
         ----- Quadratic regression -----  Coefficient =  1.0000
              Response Ratio = -0.01265 + 0.43560 *A + 0.03188 *A^2

51)m TETRACHLOROETHYLE 0.225 0.236 0.368 0.353 0.336 0.386 0.420 0.332  22.38
52)m DIBROMOCHLOROMETH 0.448 0.440 0.612 0.573 0.574 0.609 0.696 0.564  16.28
53)m 1,2-DIBROMOETHANE 0.272 0.249 0.406 0.398 0.390 0.420 0.488 0.375  22.56
54)m CHLOROBENZENE     0.541 0.519 0.705 0.658 0.621 0.681 0.791 0.645  14.63
55)m ETHYLBENZENE      0.313 0.299 0.881 0.957 1.043 1.141 1.346 0.854  47.12
         ----- Quadratic regression -----  Coefficient =  1.0000
              Response Ratio = -0.02148 + 0.95771 *A + 0.09825 *A^2

56)m m,p-XYLENE        0.090 0.114 0.384 0.394 0.385 0.412 0.495 0.325  48.41
         ----- Quadratic regression -----  Coefficient =  0.9998
              Response Ratio = 0.00182 + 0.34042 *A + 0.01922 *A^2

57)m o-XYLENE          0.091 0.103 0.389 0.393 0.406 0.434 0.476 0.327  48.98
         ----- Quadratic regression -----  Coefficient =  1.0000
              Response Ratio = -0.00816 + 0.39689 *A + 0.02034 *A^2

58)m STYRENE           0.087 0.107 0.330 0.428 0.509 0.586 0.664 0.387  58.18
         ----- Quadratic regression -----  Coefficient =  0.9997
```

Initial Calibration Summary

Job Number: M67589
Account: GEI GEI Consultants, Inc.
Project: GEI Tufts Street Somerville MA

Sample: MSQ241-ICC241
Lab FileID: Q4581.D

```
                Response Ratio = -0.02804 + 0.50815 *A + 0.04097 *A^2

59)m NONANE            0.141 0.169 0.566 0.580 0.619 0.675 0.743 0.499  48.62
          ----- Quadratic regression -----  Coefficient =  1.0000
                Response Ratio = -0.01687 + 0.61001 *A + 0.03451 *A^2

60)m BROMOFORM         0.330 0.349 0.526 0.499 0.480 0.555 0.643 0.483  23.05
61)S 4-BROMOFLUOROBENZ 0.539 0.614 0.680 0.670 0.733 0.727 0.723 0.669  10.61
62)m 1,1,2,2-TETRACHLO 0.478 0.467 0.699 0.622 0.629 0.661 0.716 0.610  16.42
63)m ISOPROPYLBENZENE  0.375 0.430 1.181 1.169 1.232 1.326 1.412 1.018  42.15
          ----- Quadratic regression -----  Coefficient =  0.9999
                Response Ratio = -0.03112 + 1.24116 *A + 0.04497 *A^2

64)m 2-CHLOROTOLUENE   0.232 0.243 0.725 0.790 0.874 0.948 0.949 0.680  46.01
          ----- Quadratic regression -----  Coefficient =  0.9996
                Response Ratio = -0.04207 + 0.94026 *A + 0.00516 *A^2

65)m 4-ETHYLTOLUENE    0.212 0.210 0.895 0.998 1.109 1.231 1.167 0.832  52.66
          ----- Quadratic regression -----  Coefficient =  0.9990
                Response Ratio = -0.07127 + 1.26942 *A + -0.02023 *A^2

66)m 1,3,5-TRIMETHYLBE 0.208 0.243 0.979 0.969 1.043 1.094 1.058 0.799  49.35
          ----- Quadratic regression -----  Coefficient =  0.9997
                Response Ratio = -0.04206 + 1.12703 *A + -0.01426 *A^2

67)m 1,2,4-TRIMETHYLBE 0.133 0.163 0.690 0.804 0.911 1.019 0.964 0.669  55.57
          ----- Quadratic regression -----  Coefficient =  0.9989
                Response Ratio = -0.06409 + 1.05061 *A + -0.01681 *A^2

68)m m-DICHLOROBENZENE 0.170 0.202 0.499 0.484 0.462 0.532 0.530 0.411  37.99
          ----- Quadratic regression -----  Coefficient =  0.9992
                Response Ratio = -0.01466 + 0.51305 *A + 0.00549 *A^2

69)m BENZYL CHLORIDE   0.111 0.138 0.400 0.436 0.479 0.578 0.578 0.389  49.56
          ----- Quadratic regression -----  Coefficient =  0.9985
                Response Ratio = -0.03277 + 0.55240 *A + 0.00903 *A^2

70)m p-DICHLOROBENZENE 0.107 0.153 0.434 0.418 0.443 0.455 0.470 0.354  43.66
          ----- Quadratic regression -----  Coefficient =  1.0000
                Response Ratio = -0.00952 + 0.44532 *A + 0.00670 *A^2

71)m o-DICHLOROBENZENE 0.168 0.175 0.437 0.434 0.470 0.518 0.508 0.387  38.92
          ----- Quadratic regression -----  Coefficient =  0.9994
                Response Ratio = -0.02109 + 0.51598 *A + -0.00033 *A^2

72)m HEXACHLOROBUTADIE 0.375 0.401 0.328 0.286 0.264 0.231 0.189 0.296  25.76
73)m 1,2,4-TRICHLOROBE       0.029 0.061 0.084 0.104 0.107 0.101 0.081  38.01
          ----- Quadratic regression -----  Coefficient =  0.9994
                Response Ratio = -0.00971 + 0.11685 *A + -0.00322 *A^2

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

          Q091307T.m        Thu Sep 13 16:58:54 2007   RPT1
```

Continuing Calibration Summary

Job Number: M67589
Account: GEI GEI Consultants, Inc.
Project: GEI Tufts Street Somerville MA

Sample: MSQ241-CC241
Lab FileID: Q4586A.D

Evaluate Continuing Calibration Report

Data File : C:\msdchem\1\DATA\Q4586a.D Vial: 3
Acq On : 13 Sep 2007 3:45 pm Operator: danat
Sample : cc241-10 (M020) Inst : MAMSQ
Misc : MS14279,MSQ241,,,,,1 Multiplr: 1.00
MS Integration Params: LSCINT.P

Method : C:\msdchem\1\METHODS\Q091307T.m (RTE Integrator)
Title : TO15 by GCMS w/DB-1 60 m X .25 mm ID 1.0 um
Last Update : Thu Sep 13 13:58:21 2007
Response via : Multiple Level Calibration

Min. RRF : 0.000 Min. Rel. Area : 60% Max. R.T. Dev 0.33min
Max. RRF Dev : 30% Max. Rel. Area : 140%

		Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)	RT Window
1	I	BROMOCHLOROMETHANE	1.000	1.000	0.0	86	0.00	8.42- 8.83
2	m	DICHLORODIFLUOROMETHAN	4.687	4.608	1.7	99	0.00	3.83- 4.24
3	m	PROPYLENE	0.804	0.882	-9.7	92	0.00	3.76- 4.17
4	m	FREON 114	4.614	4.359	5.5	89	0.00	4.09- 4.51
5	m	CHLOROMETHANE	1.194	1.158	3.0	91	0.00	4.00- 4.41
6	m	VINYL CHLORIDE	1.328	1.352	-1.8	86	0.00	4.22- 4.63
7	m	1,3-BUTADIENE	0.939	0.976	-3.9	80	0.00	4.35- 4.76
8	m	BROMOMETHANE	1.443	1.311	9.1	84	0.00	4.63- 5.04
9	m	CHLOROETHANE	0.558	0.528	5.4	77	0.00	4.80- 5.21
10	m	TRICHLOROFLUOROMETHANE	4.435	4.262	3.9	90	0.00	5.58- 5.99
11	m	ISOPROPYL ALCOHOL	1.696	1.535	9.5	76	0.00	5.59- 6.07
		----------	True	Calc.	% Drift		----------	
12	m	ACETONE	10.000	8.031	19.7	70	0.00	5.39- 5.81
		----------	AvgRF	CCRF	% Dev		----------	
13	m	PENTANE	1.395	1.168	16.3	78	0.00	5.99- 6.30
14	m	1,1-DICHLOROETHYLENE	1.260	1.180	6.3	82	0.00	6.22- 6.63
15	m	CARBON DISULFIDE	4.074	3.605	11.5	81	0.00	6.65- 7.06
16	m	ETHANOL	0.417	0.335	19.7	72	0.00	4.87- 5.34
17	m	BROMOETHENE	1.211	1.154	4.7	82	0.00	5.16- 5.58
		----------	True	Calc.	% Drift		----------	
18	m	METHYLENE CHLORIDE	10.000	7.240	27.6	71	0.00	6.39- 6.69
		----------	AvgRF	CCRF	% Dev		----------	
19	m	3-CHLOROPROPENE	1.157	1.155	0.2	82	0.00	6.45- 6.86
20	m	FREON 113	2.635	2.263	14.1	87	0.00	6.59- 7.01
21	m	TRANS-1,2-DICHLOROETHY	1.229	1.166	5.1	81	0.00	7.26- 7.67
22	m	TERTIARY BUTYL ALCOHOL	1.965	2.160	-9.9	81	0.00	6.17- 6.69
23	m	METHYL TERTIARY BUTYL	2.490	2.571	-3.3	83	0.00	7.50- 7.91
		----------	True	Calc.	% Drift		----------	
24	m	TETRAHYDROFURAN	10.000	8.950	10.5	79	0.00	8.99- 9.28
		----------	AvgRF	CCRF	% Dev		----------	
25	m	HEXANE	1.642	1.653	-0.7	82	0.00	8.46- 8.87
26	m	VINYL ACETATE	2.062	2.054	0.4	77	0.00	7.61- 7.96
27	m	1,1-DICHLOROETHANE	2.437	2.225	8.7	81	0.00	7.45- 7.87
28	m	METHYL ETHYL KETONE	1.739	1.664	4.3	77	0.00	7.79- 8.27
29	m	cis-1,2-DICHLOROETHYLE	0.932	1.014	-8.8	83	0.00	8.26- 8.67
30	m	ETHYL ACETATE	2.984	2.843	4.7	78	0.00	8.45- 8.87

Continuing Calibration Summary

Job Number: M67589
Account: GEI GEI Consultants, Inc.
Project: GEI Tufts Street Somerville MA

Sample: MSQ241-CC241
Lab FileID: Q4586A.D

31	m	CHLOROFORM	2.890	2.860	1.0	88	0.00	8.54- 8.95
32	m	1,1,1-TRICHLOROETHANE	2.740	2.769	-1.1	90	0.00	9.50- 9.91
33	m	CARBON TETRACHLORIDE	3.244	3.412	-5.2	93	0.00	10.08-10.49
34	m	1,2-DICHLOROETHANE	1.652	1.750	-5.9	89	0.00	9.25- 9.66
35	I	1,4-DIFLUOROBENZENE	1.000	1.000	0.0	86	0.00	10.25-10.66
36	m	BENZENE	0.540	0.588	-8.9	86	0.00	9.94-10.35
		----------	True	Calc.	% Drift		----------	
37	m	CYCLOHEXANE	10.000	10.284	-2.8	90	0.00	10.20-10.61
		----------	AvgRF	CCRF	% Dev		----------	
38	m	TRICHLOROETHYLENE	0.296	0.303	-2.4	84	0.00	10.99-11.30
39	m	1,2-DICHLOROPROPANE	0.198	0.197	0.5	85	0.00	10.71-11.13
40	m	BROMODICHLOROMETHANE	0.541	0.523	3.3	83	0.00	10.95-11.26
		----------	True	Calc.	% Drift		----------	
41	m	2,2,4-TRIMETHYLPENTANE	10.000	8.638	13.6	79	0.00	10.96-11.37
42	m	1,4-DIOXANE	10.000	8.593	14.1	79	0.00	10.87-11.39
43	m	HEPTANE	10.000	9.307	6.9	82	0.00	11.25-11.56
44	m	METHYL ISOBUTYL KETONE	10.000	8.417	15.8	78	0.00	11.76-12.19
45	m	cis-1,3-DICHLOROPROPEN	10.000	9.178	8.2	85	0.00	11.75-12.16
46	m	TOLUENE	10.000	8.566	14.3	77	0.00	12.71-13.12
47	m	trans-1,3-DICHLOROPROP	10.000	9.572	4.3	91	0.00	12.30-12.61
		----------	AvgRF	CCRF	% Dev		----------	
48	m	1,1,2-TRICHLOROETHANE	0.205	0.187	8.8	81	0.00	12.46-12.82
49	I	CHLOROBENZENE-D5	1.000	1.000	0.0	90	0.00	14.54-14.85
		----------	True	Calc.	% Drift		----------	
50	m	2-HEXANONE	10.000	8.773	12.3	79	0.00	12.94-13.34
		----------	AvgRF	CCRF	% Dev		----------	
51	m	TETRACHLOROETHYLENE	0.332	0.368	-10.8	98	0.00	13.84-14.25
52	m	DIBROMOCHLOROMETHANE	0.564	0.578	-2.5	91	0.00	13.16-13.52
53	m	1,2-DIBROMOETHANE	0.375	0.366	2.4	84	0.00	13.44-13.75
54	m	CHLOROBENZENE	0.645	0.603	6.5	87	0.00	14.59-14.90
		----------	True	Calc.	% Drift		----------	
55	m	ETHYLBENZENE	10.000	9.324	6.8	83	0.00	14.94-15.30
56	m	m,p-XYLENE	20.000	19.211	3.9	85	0.00	15.14-15.50
57	m	o-XYLENE	10.000	9.421	5.8	85	0.00	15.63-15.99
58	m	STYRENE	10.000	9.397	6.0	86	0.00	15.54-15.85
59	m	NONANE	10.000	8.873	11.3	80	0.00	15.86-16.17
		----------	AvgRF	CCRF	% Dev		----------	
60	m	BROMOFORM	0.483	0.501	-3.7	94	0.00	15.26-15.57
61	S	4-BROMOFLUOROBENZENE	0.669	0.742	-10.9	91	0.00	16.16-16.47
62	m	1,1,2,2-TETRACHLOROETH	0.610	0.605	0.8	87	0.00	15.65-15.96
		----------	True	Calc.	% Drift		----------	
63	m	ISOPROPYLBENZENE	10.000	9.318	6.8	85	0.00	16.31-16.62
64	m	2-CHLOROTOLUENE	10.000	9.423	5.8	87	0.00	16.80-17.22
65	m	4-ETHYLTOLUENE	10.000	9.044	9.6	86	0.00	17.07-17.33
66	m	1,3,5-TRIMETHYLBENZENE	10.000	8.832	11.7	81	0.00	17.16-17.41
67	m	1,2,4-TRIMETHYLBENZENE	10.000	9.092	9.1	87	0.00	17.60-17.91
68	m	m-DICHLOROBENZENE	10.000	8.781	12.2	86	0.00	17.77-18.10
69	m	BENZYL CHLORIDE	10.000	8.769	12.3	86	0.00	17.76-18.07
70	m	p-DICHLOROBENZENE	10.000	10.184	-1.8	92	0.00	17.89-18.13

Continuing Calibration Summary

Job Number: M67589
Account: GEI GEI Consultants, Inc.
Project: GEI Tufts Street Somerville MA

Sample: MSQ241-CC241
Lab FileID: Q4586A.D

```
71 m   o-DICHLOROBENZENE       10.000   8.799     12.0   83   0.00   18.24-18.55

           ----------------------- AvgRF   CCRF     % Dev   -------------
72 m   HEXACHLOROBUTADIENE      0.296   0.302     -2.0  103   0.00   20.58-20.99

           ----------------------- True    Calc.   % Drift  ------------
73 m   1,2,4-TRICHLOROBENZENE  10.000   9.817      1.8   88   0.00   20.09-20.50

           ----------------------- 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
    Q4581.D    Q091307T.m       Fri Sep 14 09:26:51 2007   RPT1
```

Initial Calibration Verification

Job Number: M67589
Account: GEI GEI Consultants, Inc.
Project: GEI Tufts Street Somerville MA

Sample: MSQ241-ICV241
Lab FileID: Q4586.D

Evaluate Continuing Calibration Report

Data File : C:\msdchem\1\DATA\Q4586.D Vial: 3
Acq On : 13 Sep 2007 3:45 pm Operator: danat
Sample : icv241-10 (M020) Inst : MAMSQ
Misc : MS14279,MSQ241,,,,,1 Multiplr: 1.00
MS Integration Params: LSCINT.P

Method : C:\msdchem\1\METHODS\Q091307T.m (RTE Integrator)
Title : TO15 by GCMS w/DB-1 60 m X .25 mm ID 1.0 um
Last Update : Thu Sep 13 13:58:21 2007
Response via : Multiple Level Calibration

Min. RRF : 0.000 Min. Rel. Area : 60% Max. R.T. Dev 0.33min
Max. RRF Dev : 30% Max. Rel. Area : 140%

		Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)	RT Window
1	I	BROMOCHLOROMETHANE	1.000	1.000	0.0	86	0.00	8.42- 8.83
2	m	DICHLORODIFLUOROMETHAN	4.687	4.608	1.7	99	0.00	3.83- 4.24
3	m	PROPYLENE	0.804	0.882	-9.7	92	0.00	3.76- 4.17
4	m	FREON 114	4.614	4.359	5.5	89	0.00	4.09- 4.51
5	m	CHLOROMETHANE	1.194	1.158	3.0	91	0.00	4.00- 4.41
6	m	VINYL CHLORIDE	1.328	1.352	-1.8	86	0.00	4.22- 4.63
7	m	1,3-BUTADIENE	0.939	0.976	-3.9	80	0.00	4.35- 4.76
8	m	BROMOMETHANE	1.443	1.311	9.1	84	0.00	4.63- 5.04
9	m	CHLOROETHANE	0.558	0.528	5.4	77	0.00	4.80- 5.21
10	m	TRICHLOROFLUOROMETHANE	4.435	4.262	3.9	90	0.00	5.58- 5.99
11	m	ISOPROPYL ALCOHOL	1.696	1.535	9.5	76	0.00	5.59- 6.07
		----------	True	Calc.	% Drift		----------	
12	m	ACETONE	10.000	8.031	19.7	70	0.00	5.39- 5.81
		----------	AvgRF	CCRF	% Dev		----------	
13	m	PENTANE	1.395	1.168	16.3	78	0.00	5.99- 6.30
14	m	1,1-DICHLOROETHYLENE	1.260	1.180	6.3	82	0.00	6.22- 6.63
15	m	CARBON DISULFIDE	4.074	3.605	11.5	81	0.00	6.65- 7.06
16	m	ETHANOL	0.417	0.335	19.7	72	0.00	4.87- 5.34
17	m	BROMOETHENE	1.211	1.154	4.7	82	0.00	5.16- 5.58
		----------	True	Calc.	% Drift		----------	
18	m	METHYLENE CHLORIDE	10.000	7.240	27.6	71	0.00	6.39- 6.69
		----------	AvgRF	CCRF	% Dev		----------	
19	m	3-CHLOROPROPENE	1.157	1.155	0.2	82	0.00	6.45- 6.86
20	m	FREON 113	2.635	2.263	14.1	87	0.00	6.59- 7.01
21	m	TRANS-1,2-DICHLOROETHY	1.229	1.166	5.1	81	0.00	7.26- 7.67
22	m	TERTIARY BUTYL ALCOHOL	1.965	2.160	-9.9	81	0.00	6.17- 6.69
23	m	METHYL TERTIARY BUTYL	2.490	2.571	-3.3	83	0.00	7.50- 7.91
		----------	True	Calc.	% Drift		----------	
24	m	TETRAHYDROFURAN	10.000	8.950	10.5	79	0.00	8.99- 9.28
		----------	AvgRF	CCRF	% Dev		----------	
25	m	HEXANE	1.642	1.653	-0.7	82	0.00	8.46- 8.87
26	m	VINYL ACETATE	2.062	2.054	0.4	77	0.00	7.61- 7.96
27	m	1,1-DICHLOROETHANE	2.437	2.225	8.7	81	0.00	7.45- 7.87
28	m	METHYL ETHYL KETONE	1.739	1.664	4.3	77	0.00	7.79- 8.27
29	m	cis-1,2-DICHLOROETHYLE	0.932	1.014	-8.8	83	0.00	8.26- 8.67
30	m	ETHYL ACETATE	2.984	2.843	4.7	78	0.00	8.45- 8.87

Initial Calibration Verification

Job Number: M67589
Account: GEI GEI Consultants, Inc.
Project: GEI Tufts Street Somerville MA

Sample: MSQ241-ICV241
Lab FileID: Q4586.D

31	m	CHLOROFORM	2.890	2.860	1.0	88	0.00	8.54- 8.95
32	m	1,1,1-TRICHLOROETHANE	2.740	2.769	-1.1	90	0.00	9.50- 9.91
33	m	CARBON TETRACHLORIDE	3.244	3.412	-5.2	93	0.00	10.08-10.49
34	m	1,2-DICHLOROETHANE	1.652	1.750	-5.9	89	0.00	9.25- 9.66
35	I	1,4-DIFLUOROBENZENE	1.000	1.000	0.0	86	0.00	10.25-10.66
36	m	BENZENE	0.540	0.588	-8.9	86	0.00	9.94-10.35
		----------	True	Calc.	% Drift		----------	
37	m	CYCLOHEXANE	10.000	10.284	-2.8	90	0.00	10.20-10.61
		----------	AvgRF	CCRF	% Dev		----------	
38	m	TRICHLOROETHYLENE	0.296	0.303	-2.4	84	0.00	10.99-11.30
39	m	1,2-DICHLOROPROPANE	0.198	0.197	0.5	85	0.00	10.71-11.13
40	m	BROMODICHLOROMETHANE	0.541	0.523	3.3	83	0.00	10.95-11.26
		----------	True	Calc.	% Drift		----------	
41	m	2,2,4-TRIMETHYLPENTANE	10.000	8.638	13.6	79	0.00	10.96-11.37
42	m	1,4-DIOXANE	10.000	8.593	14.1	79	0.00	10.87-11.39
43	m	HEPTANE	10.000	9.307	6.9	82	0.00	11.25-11.56
44	m	METHYL ISOBUTYL KETONE	10.000	8.417	15.8	78	0.00	11.76-12.19
45	m	cis-1,3-DICHLOROPROPEN	10.000	9.178	8.2	85	0.00	11.75-12.16
46	m	TOLUENE	10.000	8.566	14.3	77	0.00	12.71-13.12
47	m	trans-1,3-DICHLOROPROP	10.000	9.572	4.3	91	0.00	12.30-12.61
		----------	AvgRF	CCRF	% Dev		----------	
48	m	1,1,2-TRICHLOROETHANE	0.205	0.187	8.8	81	0.00	12.46-12.82
49	I	CHLOROBENZENE-D5	1.000	1.000	0.0	90	0.00	14.54-14.85
		----------	True	Calc.	% Drift		----------	
50	m	2-HEXANONE	10.000	8.773	12.3	79	0.00	12.94-13.34
		----------	AvgRF	CCRF	% Dev		----------	
51	m	TETRACHLOROETHYLENE	0.332	0.368	-10.8	98	0.00	13.84-14.25
52	m	DIBROMOCHLOROMETHANE	0.564	0.578	-2.5	91	0.00	13.16-13.52
53	m	1,2-DIBROMOETHANE	0.375	0.366	2.4	84	0.00	13.44-13.75
54	m	CHLOROBENZENE	0.645	0.603	6.5	87	0.00	14.59-14.90
		----------	True	Calc.	% Drift		----------	
55	m	ETHYLBENZENE	10.000	9.324	6.8	83	0.00	14.94-15.30
56	m	m,p-XYLENE	20.000	19.211	3.9	85	0.00	15.14-15.50
57	m	o-XYLENE	10.000	9.421	5.8	85	0.00	15.63-15.99
58	m	STYRENE	10.000	9.397	6.0	86	0.00	15.54-15.85
59	m	NONANE	10.000	8.873	11.3	80	0.00	15.86-16.17
		----------	AvgRF	CCRF	% Dev		----------	
60	m	BROMOFORM	0.483	0.501	-3.7	94	0.00	15.26-15.57
61	S	4-BROMOFLUOROBENZENE	0.669	0.742	-10.9	91	0.00	16.16-16.47
62	m	1,1,2,2-TETRACHLOROETH	0.610	0.605	0.8	87	0.00	15.65-15.96
		----------	True	Calc.	% Drift		----------	
63	m	ISOPROPYLBENZENE	10.000	9.318	6.8	85	0.00	16.31-16.62
64	m	2-CHLOROTOLUENE	10.000	9.423	5.8	87	0.00	16.80-17.22
65	m	4-ETHYLTOLUENE	10.000	9.044	9.6	86	0.00	17.07-17.33
66	m	1,3,5-TRIMETHYLBENZENE	10.000	8.832	11.7	81	0.00	17.16-17.41
67	m	1,2,4-TRIMETHYLBENZENE	10.000	9.092	9.1	87	0.00	17.60-17.91
68	m	m-DICHLOROBENZENE	10.000	8.781	12.2	86	0.00	17.77-18.10
69	m	BENZYL CHLORIDE	10.000	8.769	12.3	86	0.00	17.76-18.07
70	m	p-DICHLOROBENZENE	10.000	10.184	-1.8	92	0.00	17.89-18.13

Initial Calibration Verification

Job Number: M67589
Account: GEI GEI Consultants, Inc.
Project: GEI Tufts Street Somerville MA

Sample: MSQ241-ICV241
Lab FileID: Q4586.D

```
71 m   o-DICHLOROBENZENE       10.000   8.799     12.0   83   0.00   18.24-18.55

           ----------------------- AvgRF   CCRF     % Dev   -------------
72 m   HEXACHLOROBUTADIENE      0.296   0.302     -2.0  103   0.00   20.58-20.99

           ----------------------- True    Calc.   % Drift  ------------
73 m   1,2,4-TRICHLOROBENZENE  10.000   9.817      1.8   88   0.00   20.09-20.50

           ----------------------- 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
    Q4581.D    Q091307T.m       Thu Sep 13 16:58:35 2007   RPT1
```

GC/MS Volatiles

Raw Data

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\
Data File : Q4599.D
Acq On : 14 Sep 2007 1:49 am
Operator : danat
Sample : m67589-1 (M073)
Misc : MS14279,MSQ241,,,,,1
ALS Vial : 14 Sample Multiplier: 1

Quant Time: Sep 14 10:08:27 2007
Quant Method : C:\msdchem\1\METHODS\Q091307T.m
Quant Title : TO15 by GCMS w/DB-1 60 m X .25 mm ID 1.0 um
QLast Update : Thu Sep 13 13:58:21 2007
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) BROMOCHLOROMETHANE	8.632	128	196236	10.00	PPBV	0.00
35) 1,4-DIFLUOROBENZENE	10.456	114	826418	10.00	PPBV	0.00
49) CHLOROBENZENE-D5	14.698	117	660614	10.00	PPBV	0.00

System Monitoring Compounds

61) 4-BROMOFLUOROBENZENE	16.318	95	171434	3.88	PPBV	0.00

Spiked Amount 5.000 Range 57 - 139 Recovery = 77.60%

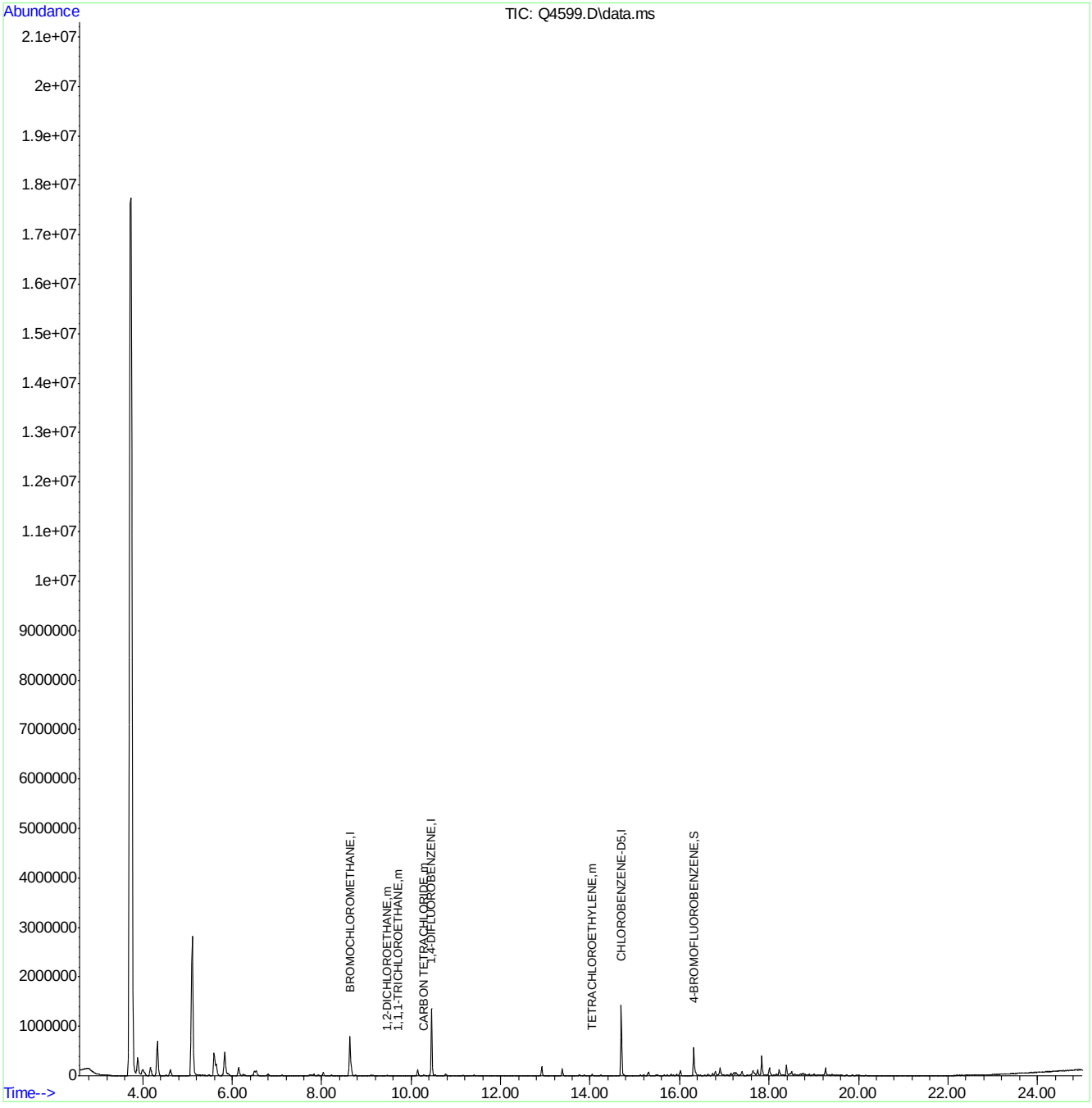
Target Compounds						Qvalue
32) 1,1,1-TRICHLOROETHANE	9.711	97	5771	0.11	PPBV	92
33) CARBON TETRACHLORIDE	10.289	117	9940	0.16	PPBV	98
34) 1,2-DICHLOROETHANE	9.455	62	3430	0.11	PPBV #	91
51) TETRACHLOROETHYLENE	14.041	164	5930	0.27	PPBV	96

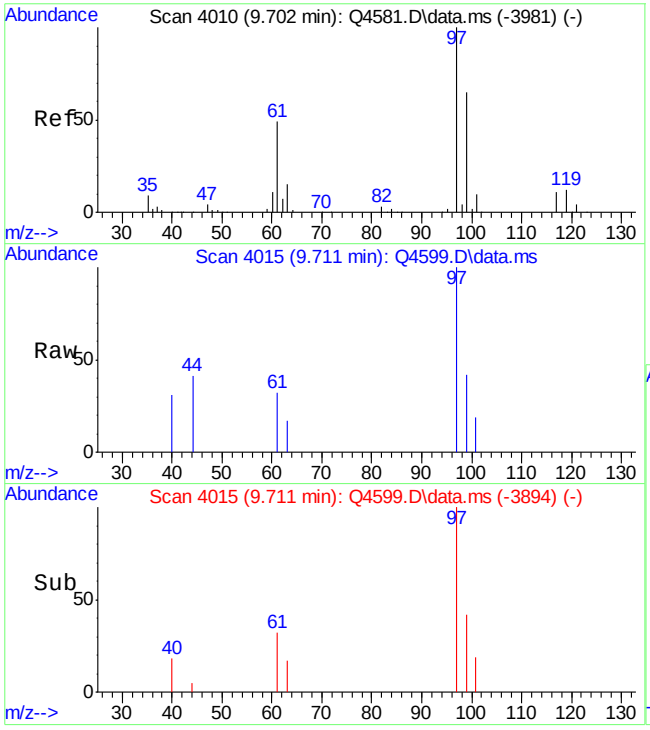
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\
Data File : Q4599.D
Acq On : 14 Sep 2007 1:49 am
Operator : danat
Sample : m67589-1 (M073)
Misc : MS14279,MSQ241,,,,,1
ALS Vial : 14 Sample Multiplier: 1

Quant Time: Sep 14 10:08:27 2007
Quant Method : C:\msdchem\1\METHODS\Q091307T.m
Quant Title : TO15 by GCMS w/DB-1 60 m X .25 mm ID 1.0 um
QLast Update : Thu Sep 13 13:58:21 2007
Response via : Initial Calibration

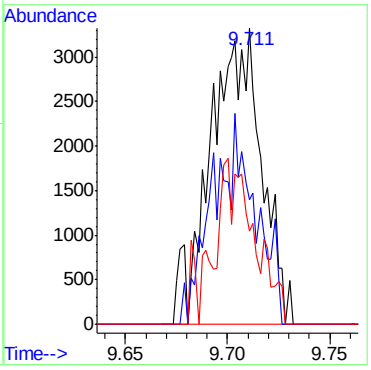


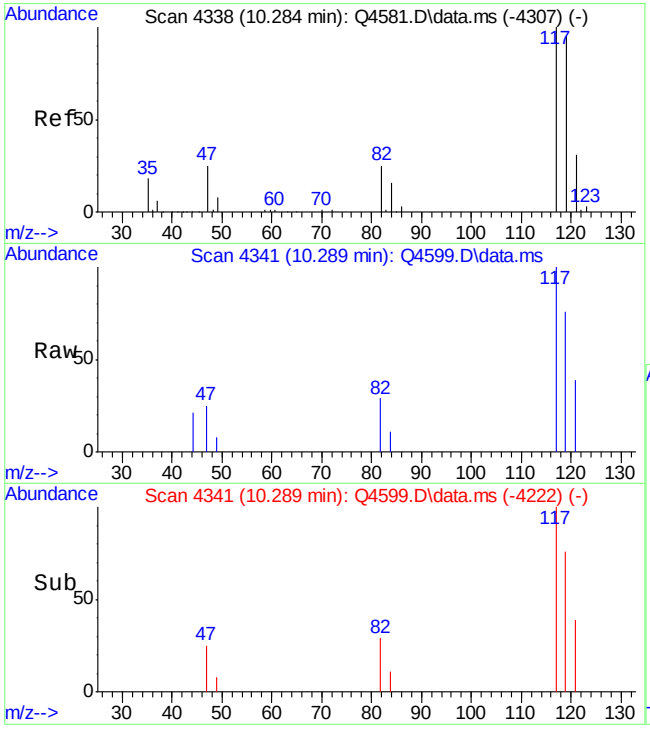


#32
1,1,1-TRICHLOROETHANE
Concen: 0.11 PPBV
RT: 9.711 min Scan# 4015
Delta R.T. 0.009 min
Lab File: Q4599.D
Acq: 14 Sep 2007 1:49 am

Tgt Ion: 97 Resp: 5771

Ion	Ratio	Lower	Upper
97	100		
99	59.2	43.9	83.9
61	42.5	29.0	69.0

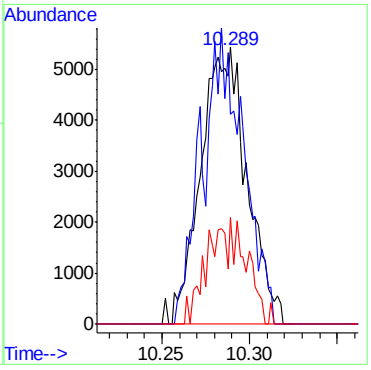


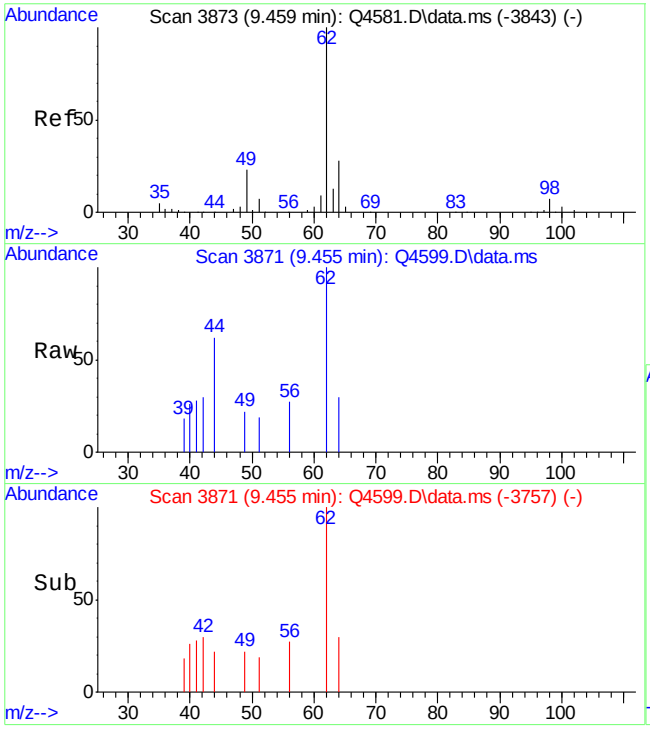


#33
CARBON TETRACHLORIDE
Concen: 0.16 PPBV
RT: 10.289 min Scan# 4341
Delta R.T. 0.005 min
Lab File: Q4599.D
Acq: 14 Sep 2007 1:49 am

Tgt Ion:117 Resp: 9940

Ion	Ratio	Lower	Upper
117	100		
119	96.7	75.2	115.2
121	31.9	10.1	50.1

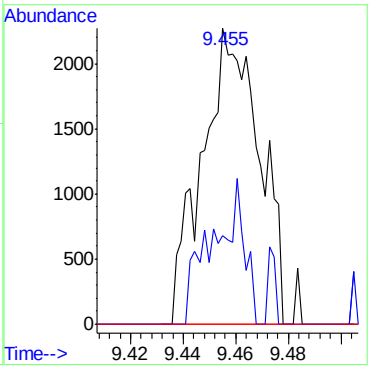


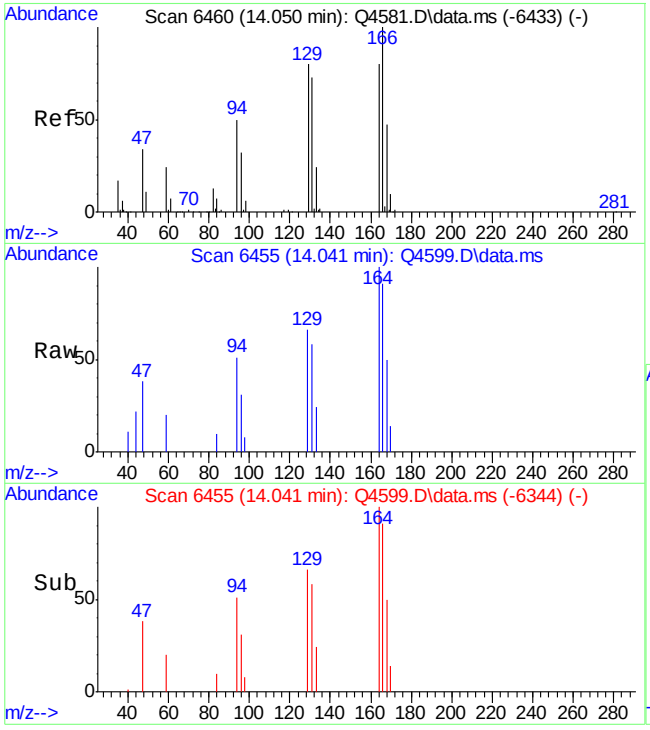


#34
1,2-DICHLOROETHANE
Concen: 0.11 PPBV
RT: 9.455 min Scan# 3871
Delta R.T. -0.003 min
Lab File: Q4599.D
Acq: 14 Sep 2007 1:49 am

Tgt Ion: 62 Resp: 3430

Ion	Ratio	Lower	Upper
62	100		
64	27.4	11.4	51.4
98	0.0	0.0	25.7

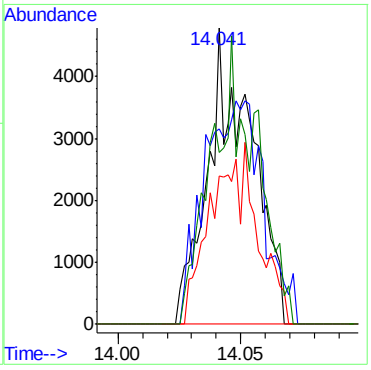




#51
TETRACHLOROETHYLENE
Concen: 0.27 PPBV
RT: 14.041 min Scan# 6455
Delta R.T. -0.009 min
Lab File: Q4599.D
Acq: 14 Sep 2007 1:49 am

Tgt Ion:164 Resp: 5930

Ion	Ratio	Lower	Upper
164	100		
129	101.7	79.7	119.7
168	64.3	41.3	81.3
131	99.5	74.6	114.6



Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\
Data File : Q4600.D
Acq On : 14 Sep 2007 2:30 am
Operator : danat
Sample : m67589-2 (M033)
Misc : MS14279,MSQ241,,,,,1
ALS Vial : 15 Sample Multiplier: 1

Quant Time: Sep 14 10:11:39 2007
Quant Method : C:\msdchem\1\METHODS\Q091307T.m
Quant Title : TO15 by GCMS w/DB-1 60 m X .25 mm ID 1.0 um
QLast Update : Thu Sep 13 13:58:21 2007
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) BROMOCHLOROMETHANE	8.626	128	234006	10.00	PPBV	0.00
35) 1,4-DIFLUOROBENZENE	10.456	114	1107221	10.00	PPBV	0.00
49) CHLOROBENZENE-D5	14.696	117	939188	10.00	PPBV	0.00

System Monitoring Compounds

61) 4-BROMOFLUOROBENZENE	16.316	95	285177	4.54	PPBV	0.00

Spiked Amount 5.000 Range 57 - 139 Recovery = 90.80%

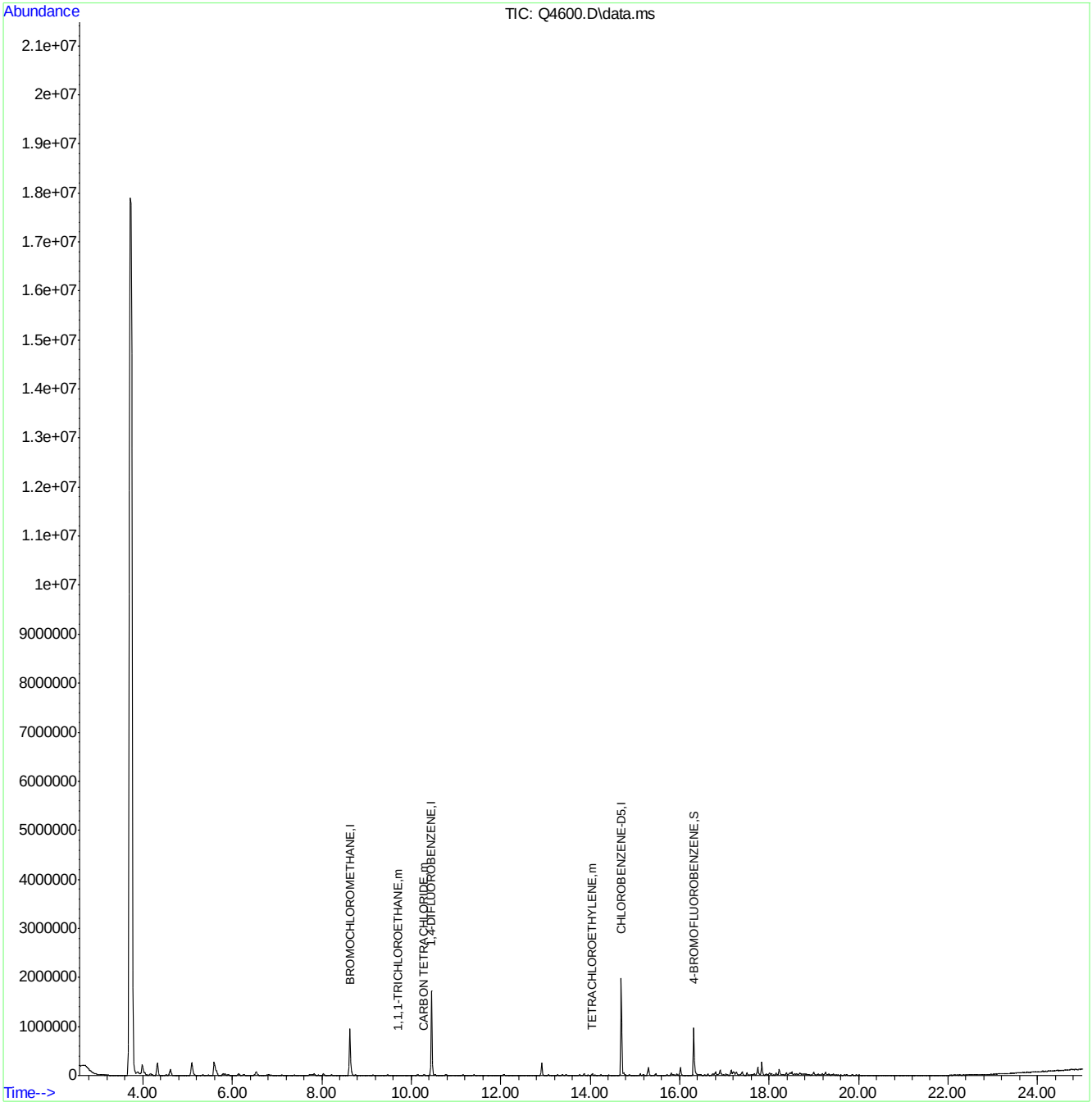
Target Compounds						Qvalue
32) 1,1,1-TRICHLOROETHANE	9.705	97	4952	0.08	PPBV	92
33) CARBON TETRACHLORIDE	10.282	117	11108	0.15	PPBV	97
51) TETRACHLOROETHYLENE	14.052	164	8370	0.27	PPBV	97

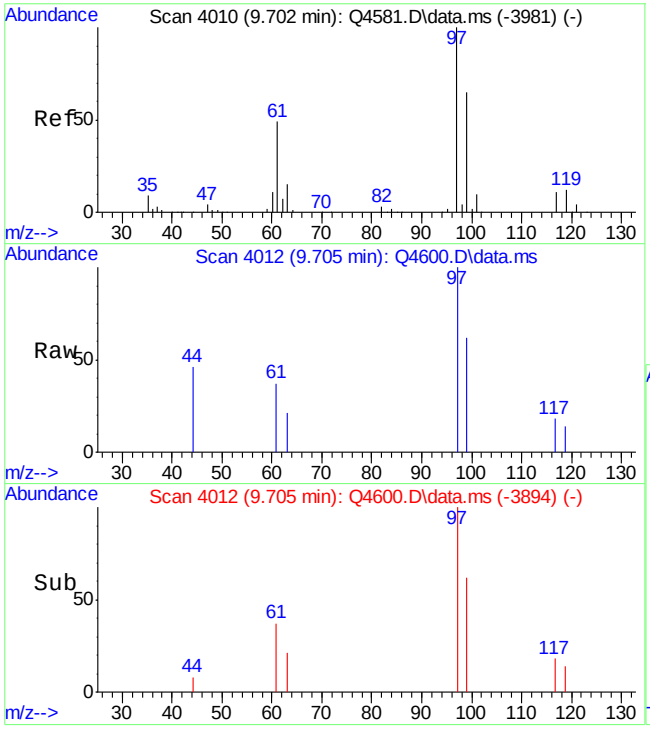
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\
Data File : Q4600.D
Acq On : 14 Sep 2007 2:30 am
Operator : danat
Sample : m67589-2 (M033)
Misc : MS14279,MSQ241,,,,,1
ALS Vial : 15 Sample Multiplier: 1

Quant Time: Sep 14 10:11:39 2007
Quant Method : C:\msdchem\1\METHODS\Q091307T.m
Quant Title : TO15 by GCMS w/DB-1 60 m X .25 mm ID 1.0 um
QLast Update : Thu Sep 13 13:58:21 2007
Response via : Initial Calibration

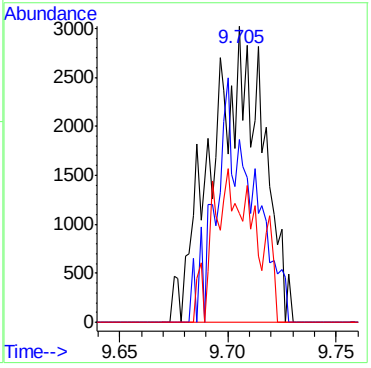


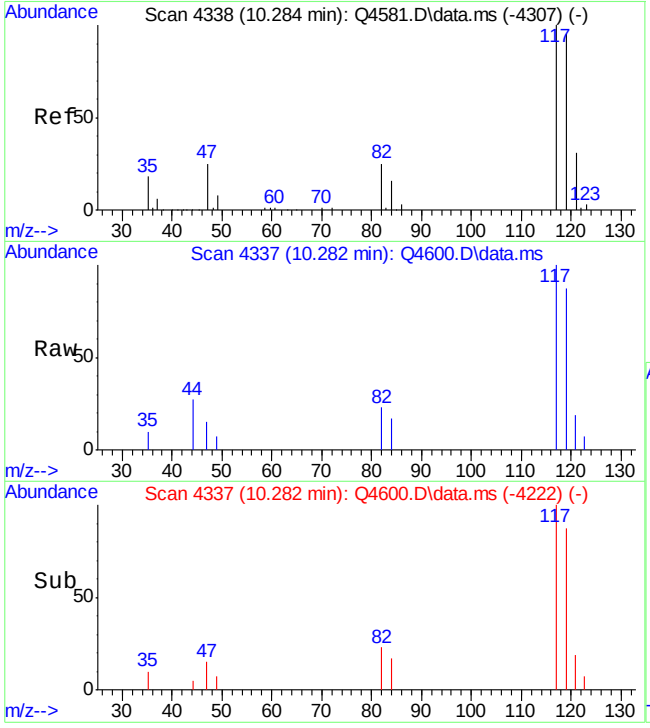


#32
1,1,1-TRICHLOROETHANE
Concen: 0.08 PPBV
RT: 9.705 min Scan# 4012
Delta R.T. 0.003 min
Lab File: Q4600.D
Acq: 14 Sep 2007 2:30 am

Tgt Ion: 97 Resp: 4952

Ion	Ratio	Lower	Upper
97	100		
99	59.1	43.9	83.9
61	42.4	29.0	69.0

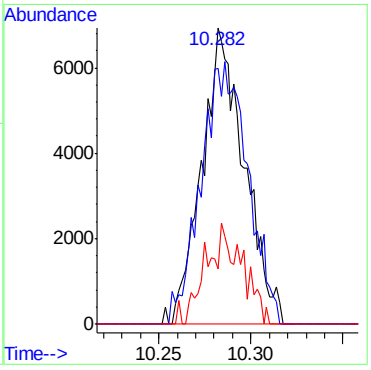


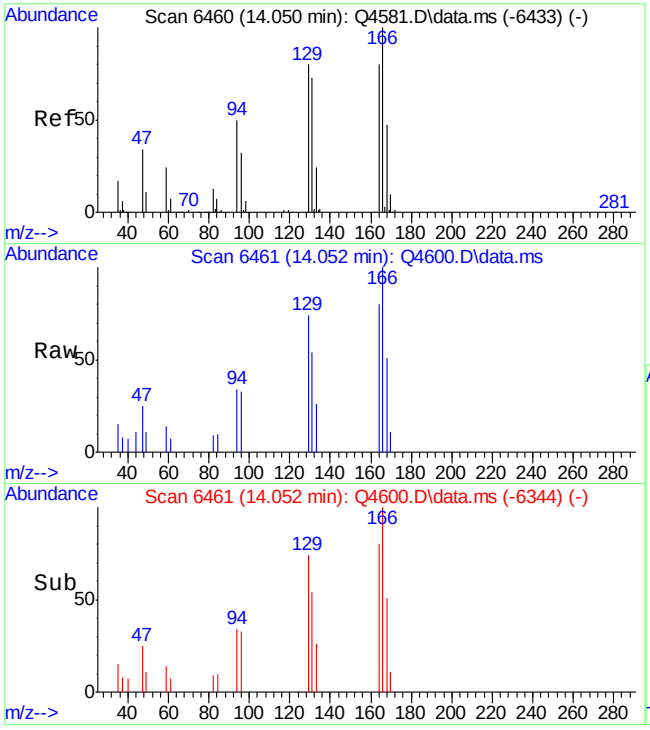


#33
CARBON TETRACHLORIDE
Concen: 0.15 PPBV
RT: 10.282 min Scan# 4337
Delta R.T. -0.002 min
Lab File: Q4600.D
Acq: 14 Sep 2007 2:30 am

Tgt Ion:117 Resp: 11108

Ion	Ratio	Lower	Upper
117	100		
119	97.8	75.2	115.2
121	28.9	10.1	50.1

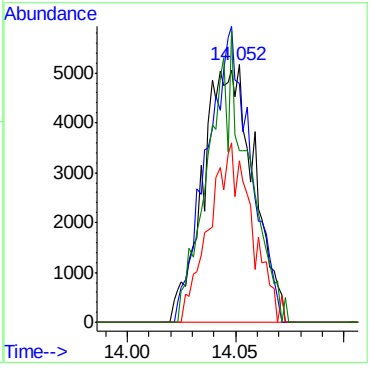




#51
TETRACHLOROETHYLENE
Concen: 0.27 PPBV
RT: 14.052 min Scan# 6461
Delta R.T. 0.002 min
Lab File: Q4600.D
Acq: 14 Sep 2007 2:30 am

Tgt Ion:164 Resp: 8370

Ion	Ratio	Lower	Upper
164	100		
129	99.4	79.7	119.7
168	58.8	41.3	81.3
131	89.3	74.6	114.6



Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\
Data File : Q4588.D
Acq On : 13 Sep 2007 6:12 pm
Operator : danat
Sample : mb (M197)
Misc : MS14279,MSQ241,,,,,1
ALS Vial : 4 Sample Multiplier: 1

Quant Time: Sep 14 09:29:32 2007
Quant Method : C:\msdchem\1\METHODS\Q091307T.m
Quant Title : TO15 by GCMS w/DB-1 60 m X .25 mm ID 1.0 um
QLast Update : Thu Sep 13 13:58:21 2007
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) BROMOCHLOROMETHANE	8.625	128	257391	10.00	PPBV	0.00
35) 1,4-DIFLUOROBENZENE	10.454	114	1256319	10.00	PPBV	0.00
49) CHLOROBENZENE-D5	14.694	117	986882	10.00	PPBV	0.00

System Monitoring Compounds

61) 4-BROMOFLUOROBENZENE	16.316	95	288584	4.37	PPBV	0.00

Spiked Amount 5.000 Range 57 - 139 Recovery = 87.40%

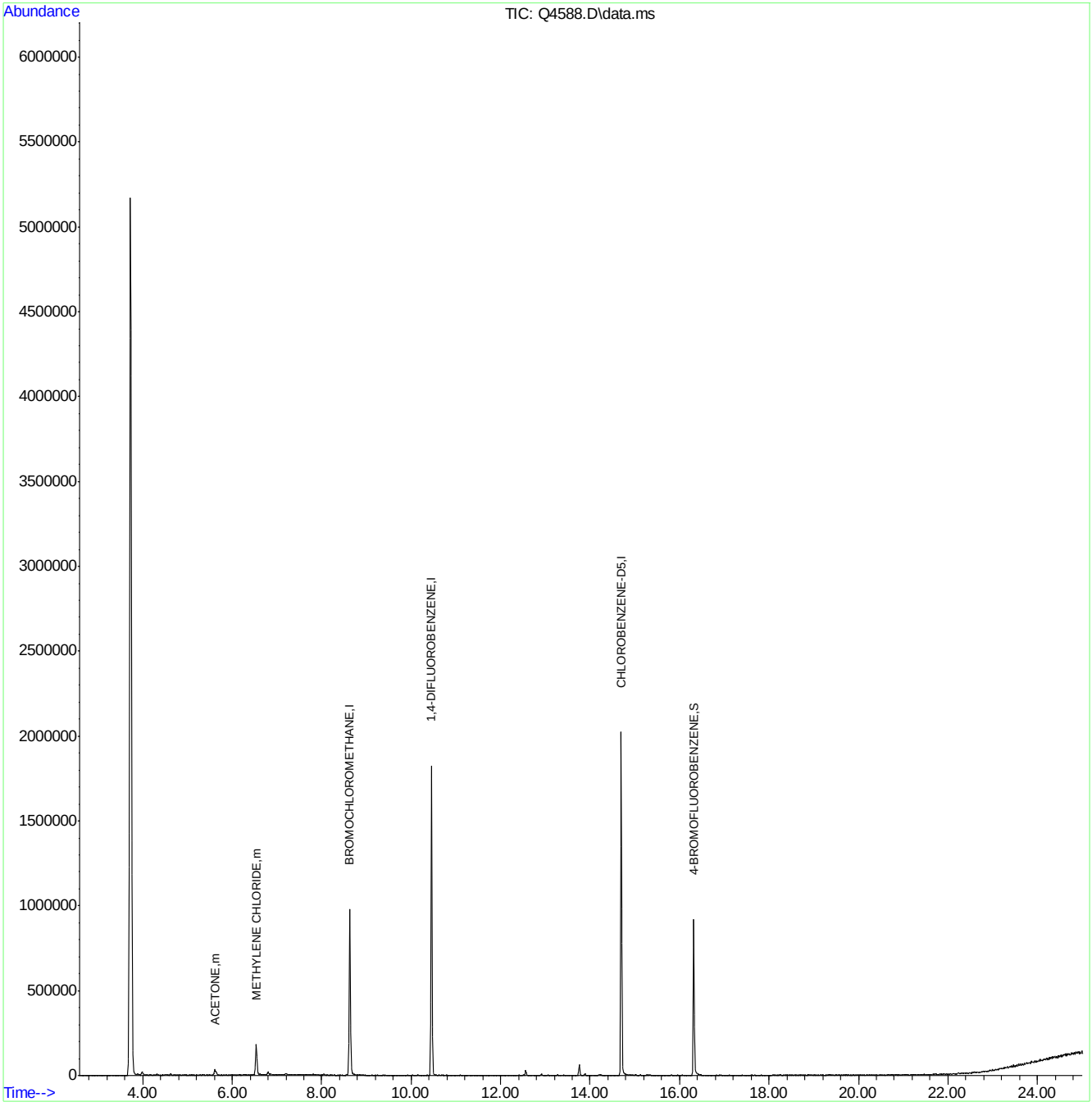
Target Compounds						Qvalue
12) ACETONE	5.609	43	50851	0.90	PPBV	100
18) METHYLENE CHLORIDE	6.536	84	89230	1.85	PPBV	95

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

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\
Data File : Q4588.D
Acq On : 13 Sep 2007 6:12 pm
Operator : danat
Sample : mb (M197)
Misc : MS14279,MSQ241,,,,,1
ALS Vial : 4 Sample Multiplier: 1

Quant Time: Sep 14 09:29:32 2007
Quant Method : C:\msdchem\1\METHODS\Q091307T.m
Quant Title : TO15 by GCMS w/DB-1 60 m X .25 mm ID 1.0 um
QLast Update : Thu Sep 13 13:58:21 2007
Response via : Initial Calibration



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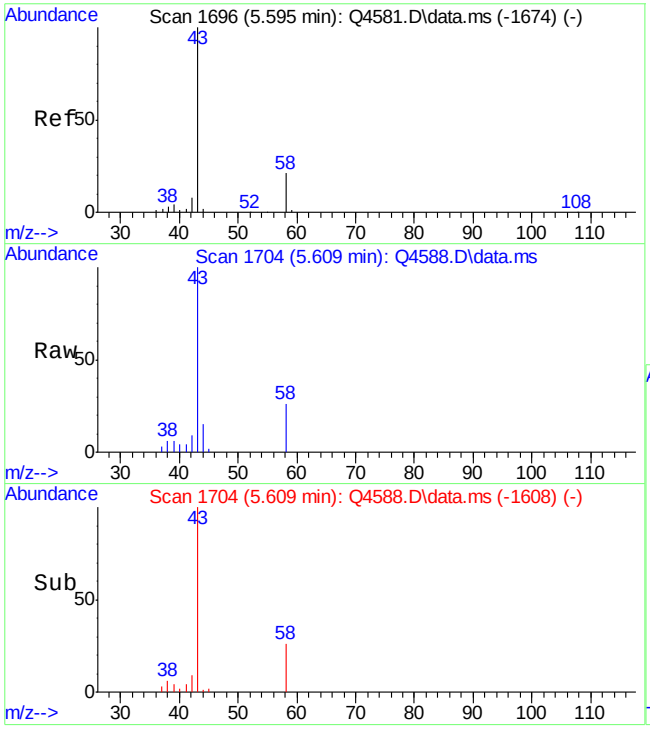
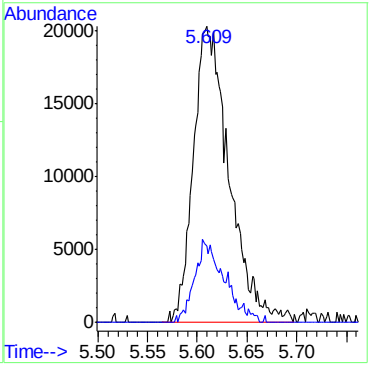
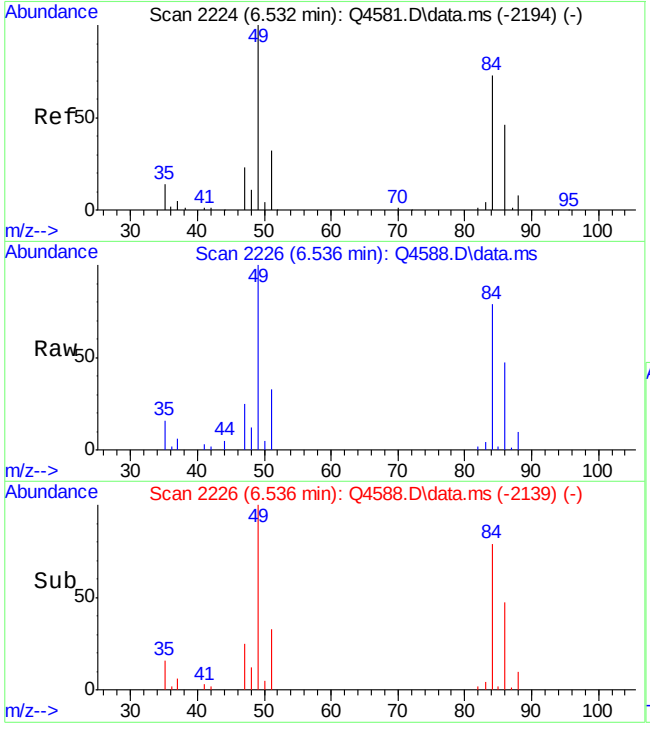


#12
ACETONE
Concen: 0.90 PPBV
RT: 5.609 min Scan# 1704
Delta R.T. 0.015 min
Lab File: Q4588.D
Acq: 13 Sep 2007 6:12 pm

Tgt Ion: 43 Resp: 50851

Ion	Ratio	Lower	Upper
43	100		
58	23.2	3.2	43.2

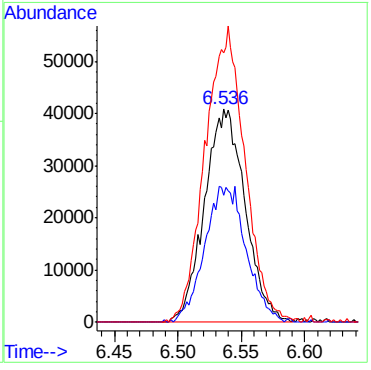




#18
METHYLENE CHLORIDE
Concen: 1.85 PPBV
RT: 6.536 min Scan# 2226
Delta R.T. 0.004 min
Lab File: Q4588.D
Acq: 13 Sep 2007 6:12 pm

Tgt Ion: 84 Resp: 89230

Ion	Ratio	Lower	Upper
84	100		
86	65.2	45.0	85.0
49	136.6	0.0	346.2



Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\
Data File : Q4344a.D
Acq On : 20 Aug 2007 7:13 pm
Operator : danat
Sample : mb (M059)
Misc : MS14080, MSQ230,,,,,1
ALS Vial : 4 Sample Multiplier: 1

Quant Time: Aug 21 16:16:01 2007
Quant Method : C:\msdchem\1\METHODS\Q082007T.m
Quant Title : TO15 by GCMS w/DB-1 60 m X .25 mm ID 1.0 um
QLast Update : Mon Aug 20 17:58:39 2007
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) BROMOCHLOROMETHANE	8.632	128	275315	10.00	PPBV	0.00
35) 1,4-DIFLUOROBENZENE	10.458	114	1171030	10.00	PPBV	0.00
49) CHLOROBENZENE-D5	14.701	117	854558	10.00	PPBV	0.00

System Monitoring Compounds

61) 4-BROMOFLUOROBENZENE	16.322	95	187903	3.31	PPBV	0.00

Spiked Amount 5.000 Range 57 - 139 Recovery = 66.20%

Target Compounds Qvalue

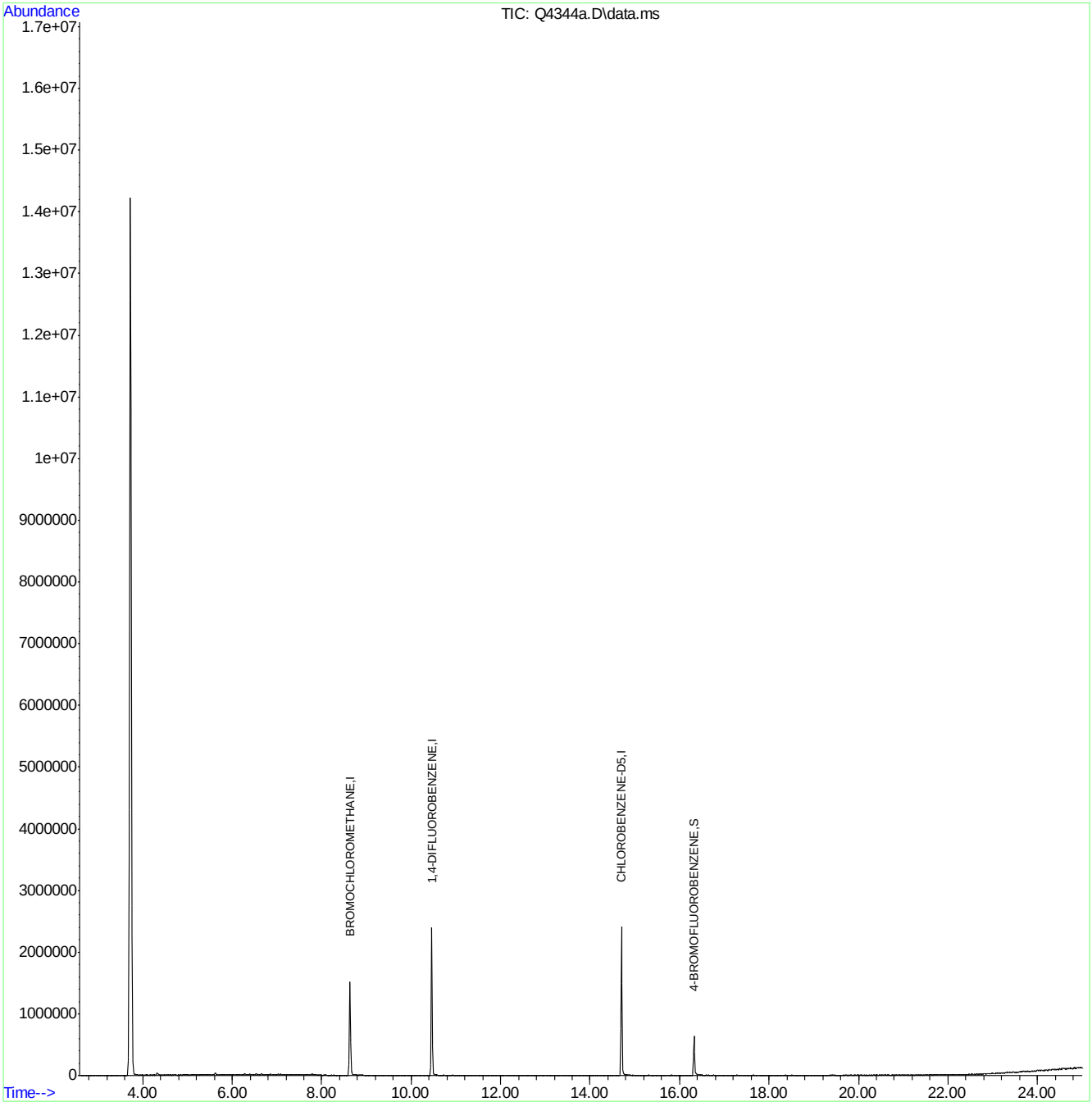
(#) = qualifier out of range (m) = manual integration (+) = signals summed

ACCUTEST Laboratories M67589

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\
Data File : Q4344a.D
Acq On : 20 Aug 2007 7:13 pm
Operator : danat
Sample : mb (M059)
Misc : MS14080, MSQ230,,,,,1
ALS Vial : 4 Sample Multiplier: 1

Quant Time: Aug 21 16:16:01 2007
Quant Method : C:\msdchem\1\METHODS\Q082007T.m
Quant Title : TO15 by GCMS w/DB-1 60 m X .25 mm ID 1.0 um
QLast Update : Mon Aug 20 17:58:39 2007
Response via : Initial Calibration



Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\
Data File : Q4586b.D
Acq On : 13 Sep 2007 3:45 pm
Operator : danat
Sample : bs (M020)
Misc : MS14279,MSQ241,,,,,1
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Sep 14 09:28:00 2007
Quant Method : C:\msdchem\1\METHODS\Q091307T.m
Quant Title : TO15 by GCMS w/DB-1 60 m X .25 mm ID 1.0 um
QLast Update : Thu Sep 13 13:58:21 2007
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) BROMOCHLOROMETHANE	8.628	128	234976	10.00	PPBV	0.00
35) 1,4-DIFLUOROBENZENE	10.458	114	1251450	10.00	PPBV	0.00
49) CHLOROBENZENE-D5	14.698	117	1047038	10.00	PPBV	0.00

System Monitoring Compounds

61) 4-BROMOFLUOROBENZENE	16.318	95	388272	5.54	PPBV	0.00

Spiked Amount 5.000 Range 57 - 139 Recovery = 110.80%

Target Compounds						Qvalue
2) DICHLORODIFLUOROMETHANE	4.039	85	1082704	9.83	PPBV	100
3) PROPYLENE	3.966	41	207225	10.97	PPBV	93
4) FREON 114	4.299	85	1024373	9.45	PPBV	98
5) CHLOROMETHANE	4.205	50	272208	9.70	PPBV	99
6) VINYL CHLORIDE	4.425	62	317689	10.18	PPBV	99
7) 1,3-BUTADIENE	4.559	39	229333	10.39	PPBV	100
8) BROMOMETHANE	4.834	94	308061	9.09	PPBV	100
9) CHLOROETHANE	5.006	64	124068	9.46	PPBV	98
10) TRICHLOROFLUOROMETHANE	5.788	101	1001542	9.61	PPBV	100
11) ISOPROPYL ALCOHOL	5.829	45	360794	9.05	PPBV	97
12) ACETONE	5.599	43	332227	8.03	PPBV	99
13) PENTANE	6.145	42	274470	8.37	PPBV	99
14) 1,1-DICHLOROETHYLENE	6.424	96	277344	9.37	PPBV	99
15) CARBON DISULFIDE	6.855	76	847118	8.85	PPBV	99
16) ETHANOL	5.103	45	78663	8.03	PPBV	99
17) BROMOETHENE	5.370	106	271254	9.53	PPBV	99
18) METHYLENE CHLORIDE	6.537	84	246368	7.24	PPBV	98
19) 3-CHLOROPROPENE	6.656	39	271458	9.98	PPBV	98
20) FREON 113	6.800	151	531868	8.59	PPBV	98
21) TRANS-1,2-DICHLOROETHY...	7.467	96	274017	9.49	PPBV	100
22) TERTIARY BUTYL ALCOHOL	6.433	59	507615	11.00	PPBV	99
23) METHYL TERTIARY BUTYL ...	7.707	73	604047	10.32	PPBV	99
24) TETRAHYDROFURAN	9.137	42	207404	8.95	PPBV	98
25) HEXANE	8.667	57	388452	10.07	PPBV	99
26) VINYL ACETATE	7.785	43	482600	9.96	PPBV	98
27) 1,1-DICHLOROETHANE	7.659	63	522839	9.13	PPBV	99
28) METHYL ETHYL KETONE	8.028	43	390999	9.57	PPBV	98
29) cis-1,2-DICHLOROETHYLENE	8.468	96	238273	10.88	PPBV	99
30) ETHYL ACETATE	8.658	43	668024	9.53	PPBV	100
31) CHLOROFORM	8.749	83	672114	9.90	PPBV	99
32) 1,1,1-TRICHLOROETHANE	9.702	97	650717	10.11	PPBV	99
33) CARBON TETRACHLORIDE	10.284	117	801817	10.52	PPBV	99
34) 1,2-DICHLOROETHANE	9.455	62	411258	10.59	PPBV	100
36) BENZENE	10.146	78	735460	10.88	PPBV	99
37) CYCLOHEXANE	10.408	84	340082	10.28	PPBV	97
38) TRICHLOROETHYLENE	11.141	95	379500	10.26	PPBV	99
39) 1,2-DICHLOROPROPANE	10.919	63	246375	9.96	PPBV	98
40) BROMODICHLOROMETHANE	11.100	83	654806	9.67	PPBV	98
41) 2,2,4-TRIMETHYLPENTANE	11.164	57	1213062	8.64	PPBV	99
42) 1,4-DIOXANE	11.131	88	130482	8.59	PPBV	93
43) HEPTANE	11.402	43	446987	9.31	PPBV	99

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\
Data File : Q4586b.D
Acq On : 13 Sep 2007 3:45 pm
Operator : danat
Sample : bs (M020)
Misc : MS14279,MSQ241,,,,,1
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Sep 14 09:28:00 2007
Quant Method : C:\msdchem\1\METHODS\Q091307T.m
Quant Title : TO15 by GCMS w/DB-1 60 m X .25 mm ID 1.0 um
QLast Update : Thu Sep 13 13:58:21 2007
Response via : Initial Calibration

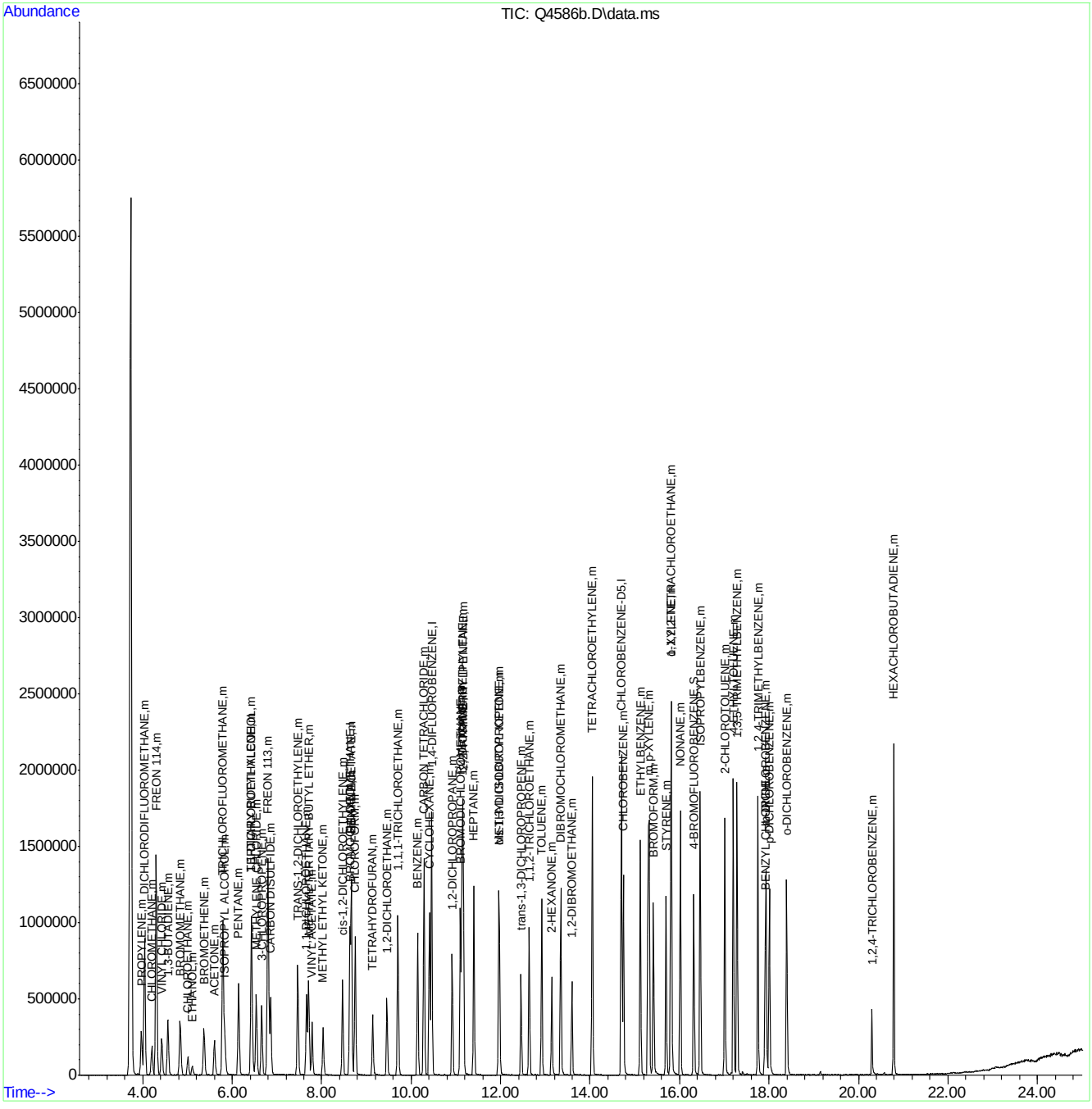
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) METHYL ISOBUTYL KETONE	11.972	43	532512	8.42	PPBV	99
45) cis-1,3-DICHLOROPROPENE	11.956	75	354407	9.18	PPBV	97
46) TOLUENE	12.918	92	431420	8.57	PPBV	100
47) trans-1,3-DICHLOROPROPENE	12.454	75	309719	9.57	PPBV	97
48) 1,1,2-TRICHLOROETHANE	12.639	83	234037	9.11	PPBV	98
50) 2-HEXANONE	13.141	43	412592	8.77	PPBV	98
51) TETRACHLOROETHYLENE	14.048	164	384967	11.07	PPBV	99
52) DIBROMOCHLOROMETHANE	13.344	129	605333	10.24	PPBV	99
53) 1,2-DIBROMOETHANE	13.592	107	382911	9.76	PPBV	100
54) CHLOROBENZENE	14.744	112	631820	9.35	PPBV	100
55) ETHYLBENZENE	15.122	91	1001944	9.32	PPBV	99
56) m,p-XYLENE	15.319	106	760924	19.21	PPBV	96
57) o-XYLENE	15.814	106	401836	9.42	PPBV	98
58) STYRENE	15.699	104	508500	9.40	PPBV	100
59) NONANE	16.015	43	577477	8.87	PPBV	99
60) BROMOFORM	15.415	173	524650	10.37	PPBV	99
62) 1,1,2,2-TETRACHLOROETHANE	15.803	83	633159	9.91	PPBV	99
63) ISOPROPYLBENZENE	16.462	105	1219211	9.32	PPBV	100
64) 2-CHLOROTOLUENE	17.010	91	888450	9.42	PPBV	99
65) 4-ETHYLTOLUENE	17.200	105	1110090	9.04	PPBV	99
66) 1,3,5-TRIMETHYLBENZENE	17.285	105	986531	8.83	PPBV	99
67) 1,2,4-TRIMETHYLBENZENE	17.750	105	918516	9.09	PPBV	100
68) m-DICHLOROBENZENE	17.931	146	460784	8.78	PPBV	100
69) BENZYL CHLORIDE	17.910	91	480155	8.77	PPBV	100
70) p-DICHLOROBENZENE	18.008	146	472159	10.18	PPBV	99
71) o-DICHLOROBENZENE	18.395	146	452986	8.80	PPBV	99
72) HEXACHLOROBUTADIENE	20.789	225	316478	10.20	PPBV	98
73) 1,2,4-TRICHLOROBENZENE	20.299	180	106697	9.82	PPBV	95

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

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\
Data File : Q4586b.D
Acq On : 13 Sep 2007 3:45 pm
Operator : danat
Sample : bs (M020)
Misc : MS14279,MSQ241,,,,,1
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Sep 14 09:28:00 2007
Quant Method : C:\msdchem\1\METHODS\Q091307T.m
Quant Title : TO15 by GCMS w/DB-1 60 m X .25 mm ID 1.0 um
QLast Update : Thu Sep 13 13:58:21 2007
Response via : Initial Calibration



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Manual Integrations APPROVED (compounds with "m" flag)
Philip Bassignani
08/29/07 08:52

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\
Data File : Q4342b.D
Acq On : 20 Aug 2007 5:49 pm
Operator : danat
Sample : bs (M164)
Misc : MS14080, MSQ230,,,,,1
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Aug 21 16:09:33 2007
Quant Method : C:\msdchem\1\METHODS\Q082007T.m
Quant Title : TO15 by GCMS w/DB-1 60 m X .25 mm ID 1.0 um
QLast Update : Mon Aug 20 17:58:39 2007
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) BROMOCHLOROMETHANE	8.628	128	263852	10.00	PPBV	0.00
35) 1,4-DIFLUOROBENZENE	10.458	114	1247822	10.00	PPBV	0.00
49) CHLOROBENZENE-D5	14.701	117	962103	10.00	PPBV	0.00
System Monitoring Compounds						
61) 4-BROMOFLUOROBENZENE	16.318	95	349492	5.46	PPBV	0.00
Spiked Amount 5.000	Range 57 - 139		Recovery = 109.20%			
Target Compounds						Qvalue
2) DICHLORODIFLUOROMETHANE	4.035	85	1438899	10.62	PPBV	100
3) PROPYLENE	3.962	41	322227	11.86	PPBV	99
4) FREON 114	4.298	85	1314247	10.16	PPBV	99
5) CHLOROMETHANE	4.197	50	417278	9.76	PPBV	98
6) VINYL CHLORIDE	4.418	62	444129	11.02	PPBV	98
7) 1,3-BUTADIENE	4.555	39	467978	10.60	PPBV	99
8) BROMOMETHANE	4.834	94	390265	10.21	PPBV	98
9) CHLOROETHANE	5.008	64	211170	10.84	PPBV	99
10) TRICHLOROFLUOROMETHANE	5.789	101	1447226	10.77	PPBV	99
11) ISOPROPYL ALCOHOL	5.822	45	956334	12.83	PPBV	98
12) ACETONE	5.593	43	953731	9.78	PPBV	99
13) PENTANE	6.143	42	627327	10.58	PPBV	99
14) 1,1-DICHLOROETHYLENE	6.424	96	403156	10.90	PPBV	99
15) CARBON DISULFIDE	6.853	76	1480571	10.63	PPBV	99
16) ETHANOL	5.096	45	154164	9.06	PPBV	100
17) BROMOETHENE	5.366	106	349990	11.04	PPBV	99
18) METHYLENE CHLORIDE	6.537	84	469703	7.56	PPBV	99
19) 3-CHLOROPROPENE	6.658	39	643082	12.60	PPBV	98
20) FREON 113	6.798	151	661016	10.06	PPBV	99
21) TRANS-1,2-DICHLOROETHY...	7.462	96	443406	12.03	PPBV	99
22) TERTIARY BUTYL ALCOHOL	6.426	59	1040489	13.37	PPBV	100
23) METHYL TERTIARY BUTYL ...	7.707	73	1077682	13.13	PPBV	100
24) TETRAHYDROFURAN	9.137	42	443831	11.48	PPBV	98
25) HEXANE	8.665	57	688725	10.80	PPBV	98
26) VINYL ACETATE	7.785	43	1060544	14.38	PPBV	99
27) 1,1-DICHLOROETHANE	7.661	63	1136047	11.50	PPBV	99
28) METHYL ETHYL KETONE	8.026	43	972554	14.78	PPBV	100
29) cis-1,2-DICHLOROETHYLENE	8.467	96	335727	13.38	PPBV	99
30) ETHYL ACETATE	8.660	43	1758173	12.52	PPBV	100
31) CHLOROFORM	8.749	83	1170037	11.38	PPBV	100
32) 1,1,1-TRICHLOROETHANE	9.705	97	1107096	11.74	PPBV	99
33) CARBON TETRACHLORIDE	10.286	117	1234864	11.91	PPBV	100
34) 1,2-DICHLOROETHANE	9.459	62	808632	12.95	PPBV	99
36) BENZENE	10.144	78	1098477	11.17	PPBV	99
37) CYCLOHEXANE	10.408	84	476226	11.42	PPBV	100
38) TRICHLOROETHYLENE	11.143	95	647781	14.04	PPBV	99
39) 1,2-DICHLOROPROPANE	10.919	63	443752	12.80	PPBV	99
40) BROMODICHLOROMETHANE	11.102	83	1059428	11.92	PPBV	99
41) 2,2,4-TRIMETHYLPENTANE	11.164	57	2437346	11.56	PPBV	100
42) 1,4-DIOXANE	11.129	88	201725	11.88	PPBV	98
43) HEPTANE	11.402	43	933441	10.97	PPBV	100

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\
Data File : Q4342b.D
Acq On : 20 Aug 2007 5:49 pm
Operator : danat
Sample : bs (M164)
Misc : MS14080, MSQ230,,,,,1
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Aug 21 16:09:33 2007
Quant Method : C:\msdchem\1\METHODS\Q082007T.m
Quant Title : TO15 by GCMS w/DB-1 60 m X .25 mm ID 1.0 um
QLast Update : Mon Aug 20 17:58:39 2007
Response via : Initial Calibration

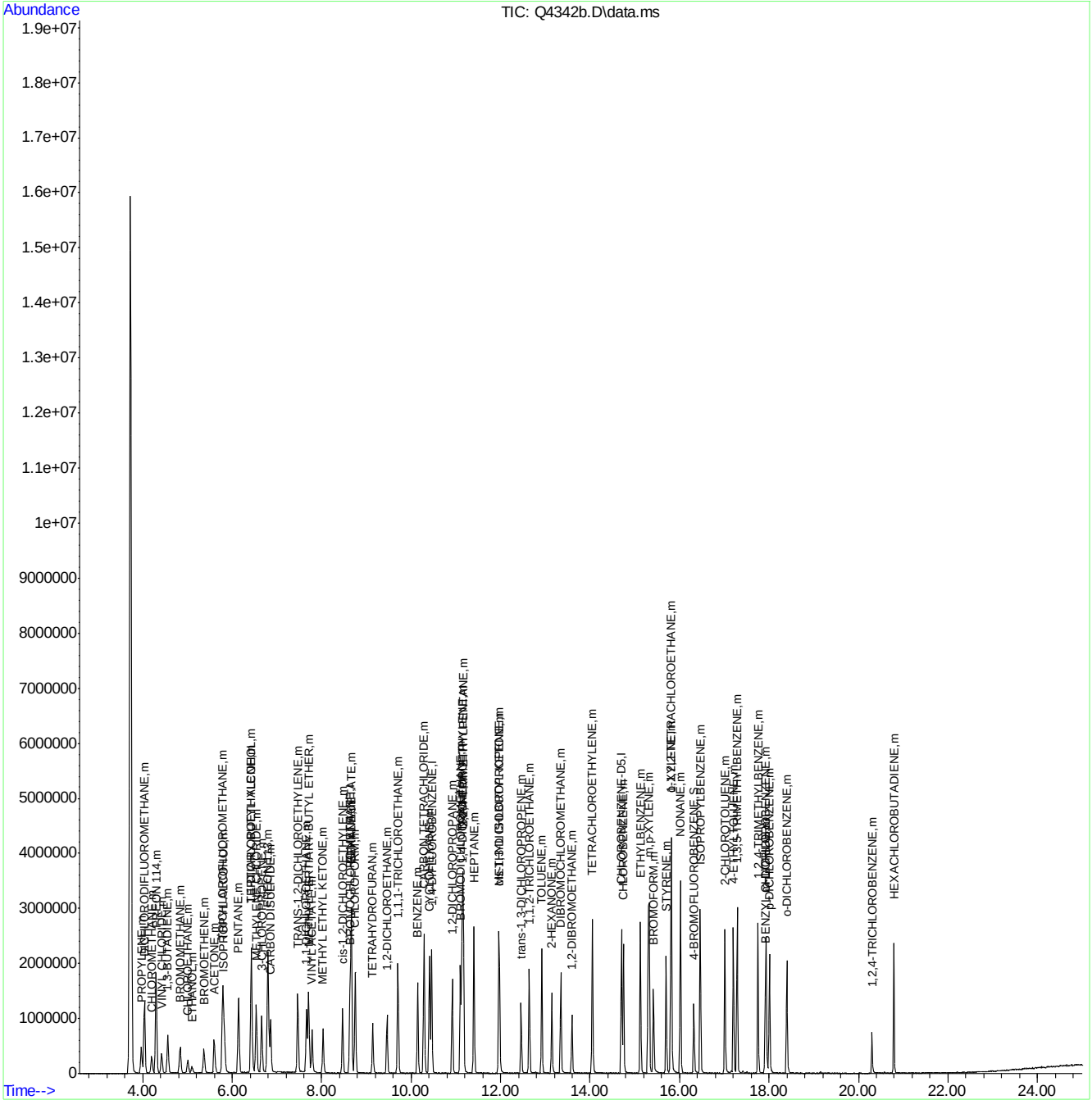
Internal Standards	R.T.	QIon	Response	Conc Units	Dev(Min)
44) METHYL ISOBUTYL KETONE	11.972	43	1162331	12.00 PPBV	100
45) cis-1,3-DICHLOROPROPENE	11.958	75	612581	13.57 PPBV	94
46) TOLUENE	12.918	92	681659	9.90 PPBV	100
47) trans-1,3-DICHLOROPROPENE	12.458	75	456142	15.37 PPBV	99
48) 1,1,2-TRICHLOROETHANE	12.639	83	415546	13.17 PPBV	98
50) 2-HEXANONE	13.141	43	901316	13.30 PPBV	98
51) TETRACHLOROETHYLENE	14.050	164	419875	11.45 PPBV	99
52) DIBROMOCHLOROMETHANE	13.345	129	750339	12.96 PPBV	99
53) 1,2-DIBROMOETHANE	13.594	107	587406	16.87 PPBV	98
54) CHLOROBENZENE	14.744	112	896163	15.44 PPBV	99
55) ETHYLBENZENE	15.124	91	1531806	12.35 PPBV	100
56) m,p-XYLENE	15.317	106	1138074	26.06 PPBV	97
57) o-XYLENE	15.816	106	545706	12.61 PPBV	98
58) STYRENE	15.701	104	696240	17.94 PPBV	99
59) NONANE	16.018	43	1247306	11.69 PPBV	100
60) BROMOFORM	15.418	173	582216	14.29 PPBV	99
62) 1,1,2,2-TETRACHLOROETHANE	15.805	83	1023483m	13.71 PPBV	
63) ISOPROPYLBENZENE	16.462	105	1593847	12.56 PPBV	100
64) 2-CHLOROTOLUENE	17.012	91	1198538	13.52 PPBV	99
65) 4-ETHYLTOLUENE	17.204	105	1299763	13.53 PPBV	100
66) 1,3,5-TRIMETHYLBENZENE	17.287	105	1359213	13.08 PPBV	99
67) 1,2,4-TRIMETHYLBENZENE	17.754	105	1189014	14.16 PPBV	99
68) m-DICHLOROBENZENE	17.933	146	653264	22.80 PPBV	99
69) BENZYL CHLORIDE	17.912	91	717130	28.30 PPBV	98
70) p-DICHLOROBENZENE	18.011	146	611147	28.62 PPBV	95
71) o-DICHLOROBENZENE	18.395	146	550482	18.18 PPBV	99
72) HEXACHLOROBUTADIENE	20.792	225	271399	12.63 PPBV	98
73) 1,2,4-TRICHLOROBENZENE	20.299	180	136032	36.61 PPBV	93

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

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\
Data File : Q4342b.D
Acq On : 20 Aug 2007 5:49 pm
Operator : danat
Sample : bs (M164)
Misc : MS14080, MSQ230,,,,,1
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Aug 21 16:09:33 2007
Quant Method : C:\msdchem\1\METHODS\Q082007T.m
Quant Title : TO15 by GCMS w/DB-1 60 m X .25 mm ID 1.0 um
QLast Update : Mon Aug 20 17:58:39 2007
Response via : Initial Calibration



ACCUTEST Laboratories M67589

Manual Integrations APPROVED (compounds with "m" flag)
Philip Bassignani
09/14/07 15:48

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\
Data File : Q4603.D
Acq On : 14 Sep 2007 9:00 am
Operator : danat
Sample : m67591-2dup (M125)
Misc : MS14279,MSQ241,,,,,1
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Sep 14 10:27:24 2007
Quant Method : C:\msdchem\1\METHODS\Q091307T.m
Quant Title : TO15 by GCMS w/DB-1 60 m X .25 mm ID 1.0 um
QLast Update : Thu Sep 13 13:58:21 2007
Response via : Initial Calibration

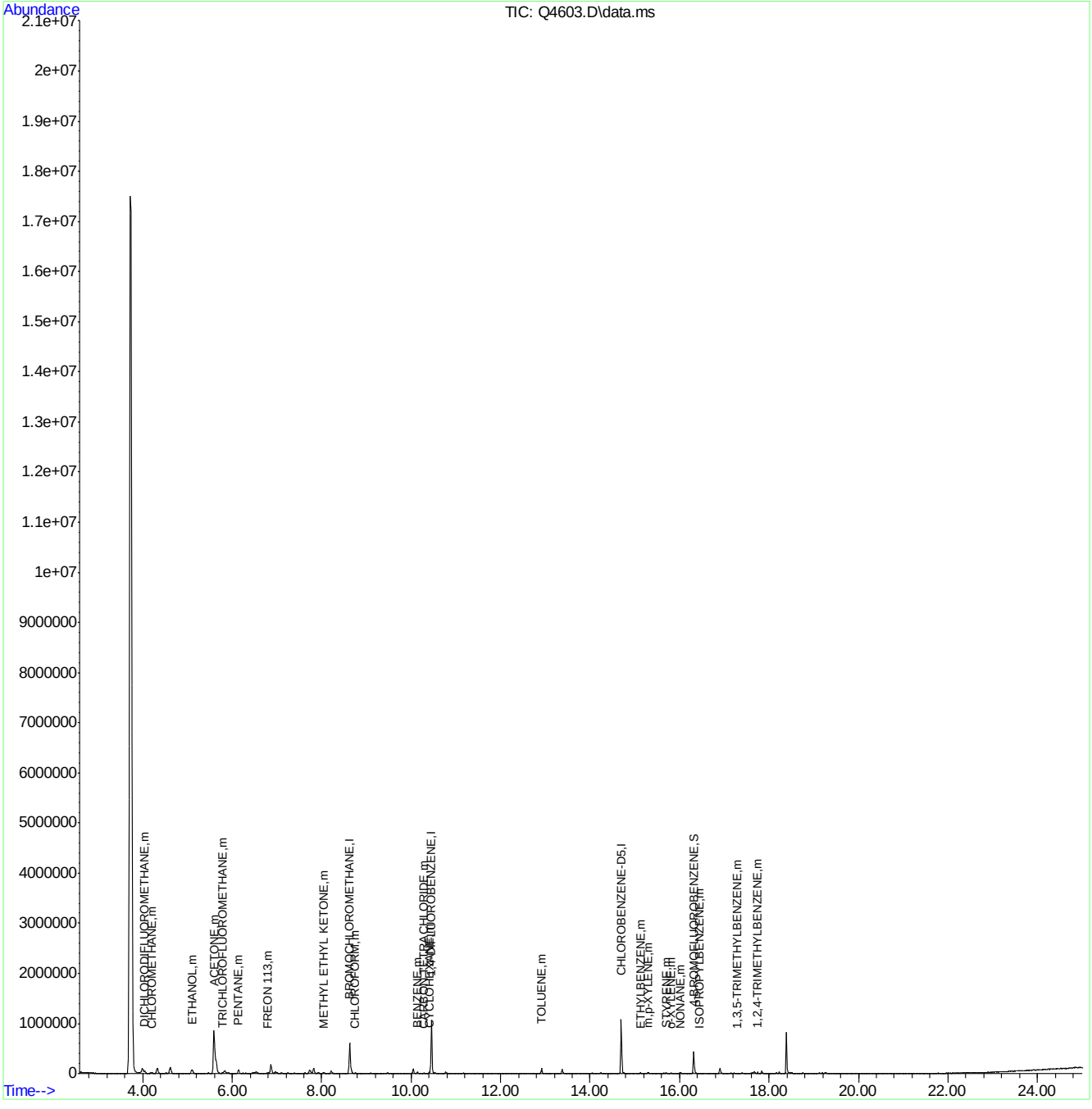
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) BROMOCHLOROMETHANE	8.626	128	148759	10.00	PPBV	0.00
35) 1,4-DIFLUOROBENZENE	10.453	114	673284	10.00	PPBV	0.00
49) CHLOROBENZENE-D5	14.696	117	502104	10.00	PPBV	0.00
System Monitoring Compounds						
61) 4-BROMOFLUOROBENZENE	16.318	95	135679	4.04	PPBV	0.00
Spiked Amount 5.000	Range 57 - 139		Recovery = 80.80%			
Target Compounds						Qvalue
2) DICHLORODIFLUOROMETHANE	4.042	85	56694	0.81	PPBV	99
5) CHLOROMETHANE	4.202	50	12732	0.72	PPBV	97
10) TRICHLOROFLUOROMETHANE	5.781	101	22770	0.35	PPBV	99
12) ACETONE	5.590	43	1421610	55.75	PPBV	100
13) PENTANE	6.142	42	30509	1.47	PPBV	97
16) ETHANOL	5.098	45	109601	17.67	PPBV	98
20) FREON 113	6.795	151	5012	0.13	PPBV #	73
28) METHYL ETHYL KETONE	8.034	43	24075	0.93	PPBV	93
31) CHLOROFORM	8.751	83	6349	0.15	PPBV	91
33) CARBON TETRACHLORIDE	10.284	117	6177	0.13	PPBV	97
36) BENZENE	10.144	78	24154	0.66	PPBV	97
37) CYCLOHEXANE	10.408	84	5601m	0.35	PPBV	
46) TOLUENE	12.912	92	35504	1.67	PPBV	91
55) ETHYLBENZENE	15.124	91	8577	0.40	PPBV	98
56) m,p-XYLENE	15.298	106	7028	0.36	PPBV #	71
57) o-XYLENE	15.816	106	2353	0.32	PPBV #	79
58) STYRENE	15.695	104	10412	0.95	PPBV	99
59) NONANE	16.016	43	4499	0.42	PPBV #	83
63) ISOPROPYLBENZENE	16.457	105	1875	0.28	PPBV #	61
66) 1,3,5-TRIMETHYLBENZENE	17.278	105	3002m	0.43	PPBV	
67) 1,2,4-TRIMETHYLBENZENE	17.750	105	9533	0.79	PPBV	92

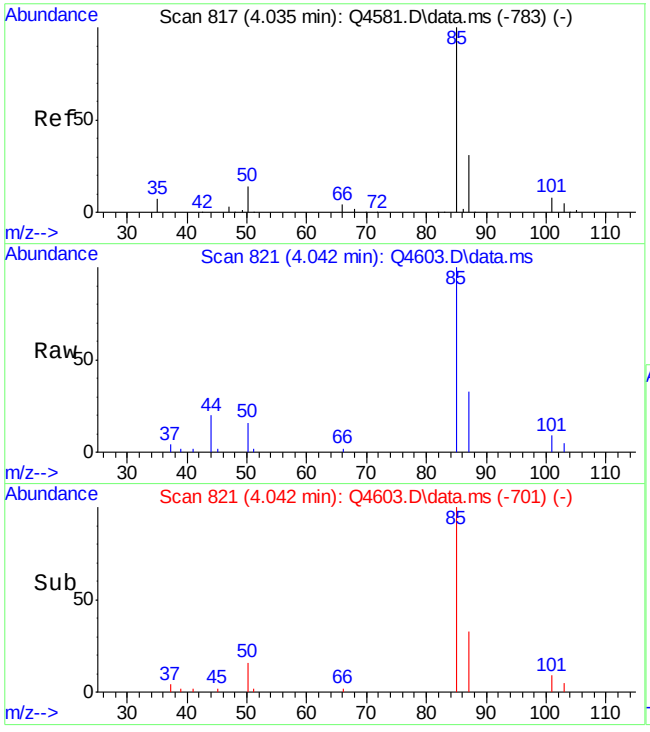
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\
Data File : Q4603.D
Acq On : 14 Sep 2007 9:00 am
Operator : danat
Sample : m67591-2dup (M125)
Misc : MS14279,MSQ241,,,,,1
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Sep 14 10:27:24 2007
Quant Method : C:\msdchem\1\METHODS\Q091307T.m
Quant Title : TO15 by GCMS w/DB-1 60 m X .25 mm ID 1.0 um
QLast Update : Thu Sep 13 13:58:21 2007
Response via : Initial Calibration

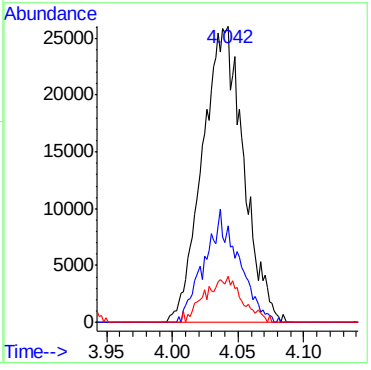


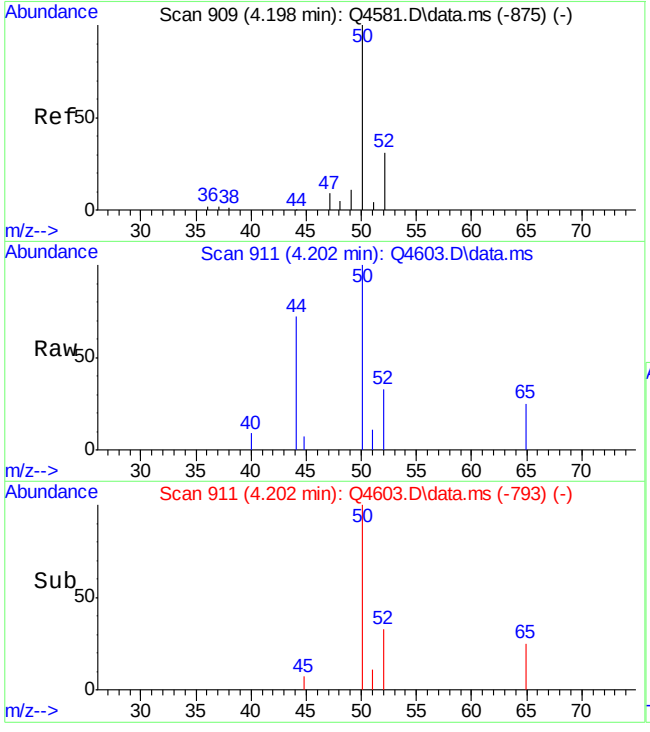


#2
DICHLORODIFLUOROMETHANE
Concen: 0.81 PPBV
RT: 4.042 min Scan# 821
Delta R.T. 0.007 min
Lab File: Q4603.D
Acq: 14 Sep 2007 9:00 am

Tgt Ion: 85 Resp: 56694

Ion	Ratio	Lower	Upper
85	100		
87	31.7	12.4	52.4
50	13.8	0.0	33.4

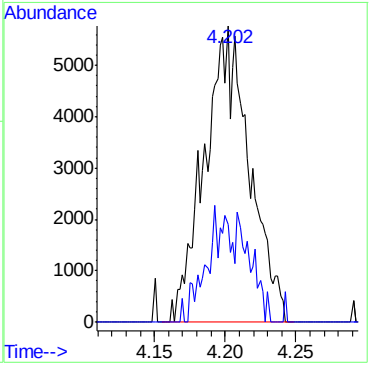


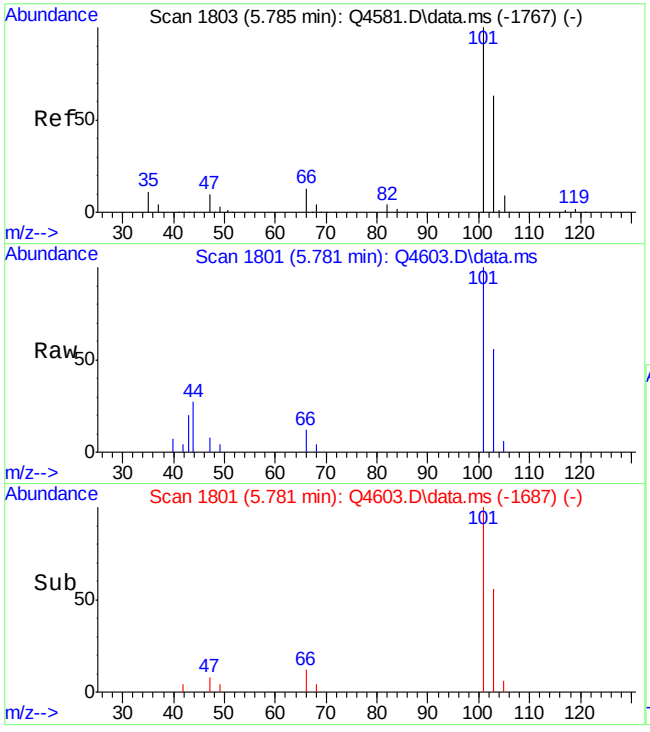


#5
CHLOROMETHANE
Concen: 0.72 PPBV
RT: 4.202 min Scan# 911
Delta R.T. 0.004 min
Lab File: Q4603.D
Acq: 14 Sep 2007 9:00 am

Tgt Ion: 50 Resp: 12732

Ion	Ratio	Lower	Upper
50	100		
52	33.0	11.5	51.5

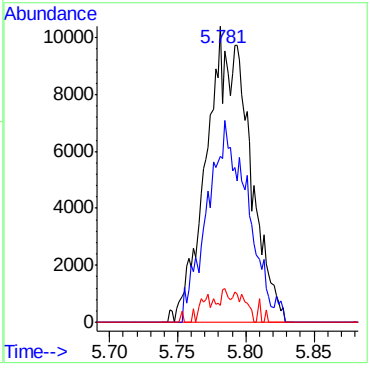


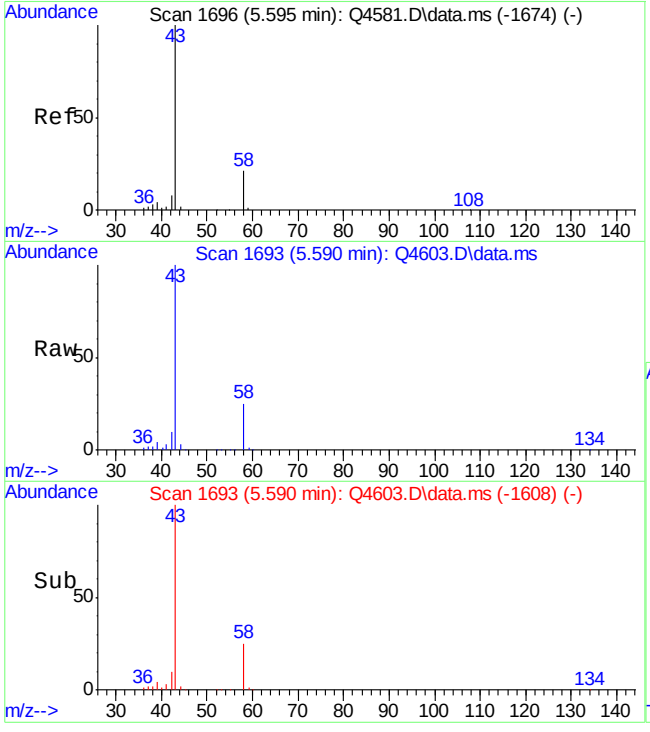


#10
TRICHLOROFLUOROMETHANE
Concen: 0.35 PPBV
RT: 5.781 min Scan# 1801
Delta R.T. -0.003 min
Lab File: Q4603.D
Acq: 14 Sep 2007 9:00 am

Tgt Ion:101 Resp: 22770

Ion	Ratio	Lower	Upper
101	100		
103	64.4	44.4	84.4
105	6.4	0.0	30.3

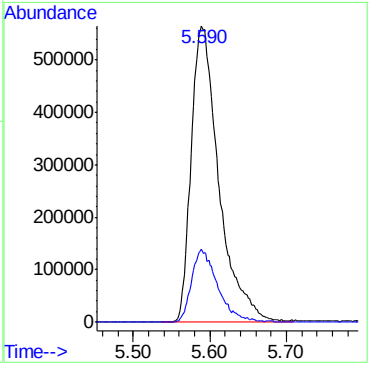


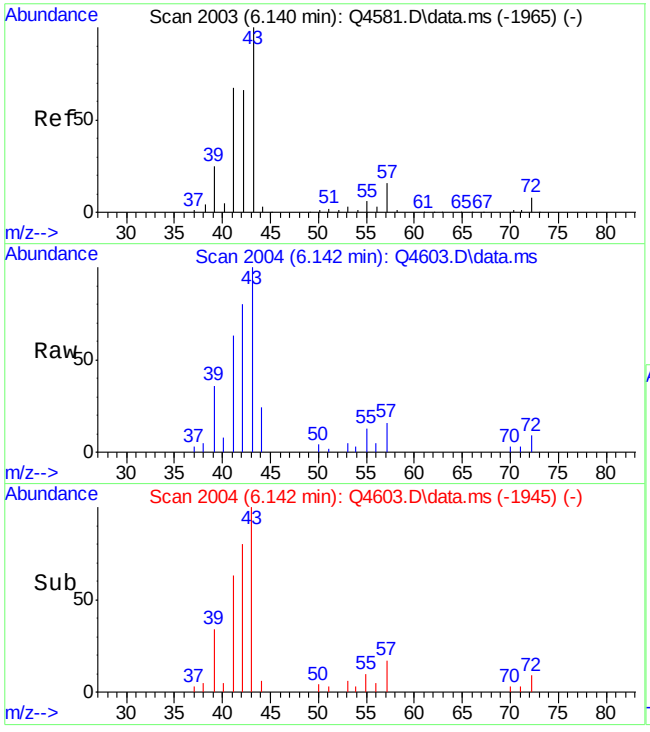


#12
ACETONE
Concen: 55.75 PPBV
RT: 5.590 min Scan# 1693
Delta R.T. -0.004 min
Lab File: Q4603.D
Acq: 14 Sep 2007 9:00 am

Tgt Ion: 43 Resp: 1421610

Ion	Ratio	Lower	Upper
43	100		
58	23.1	3.2	43.2

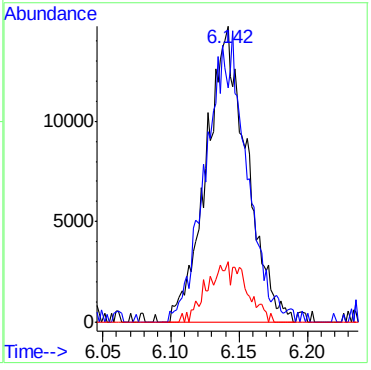


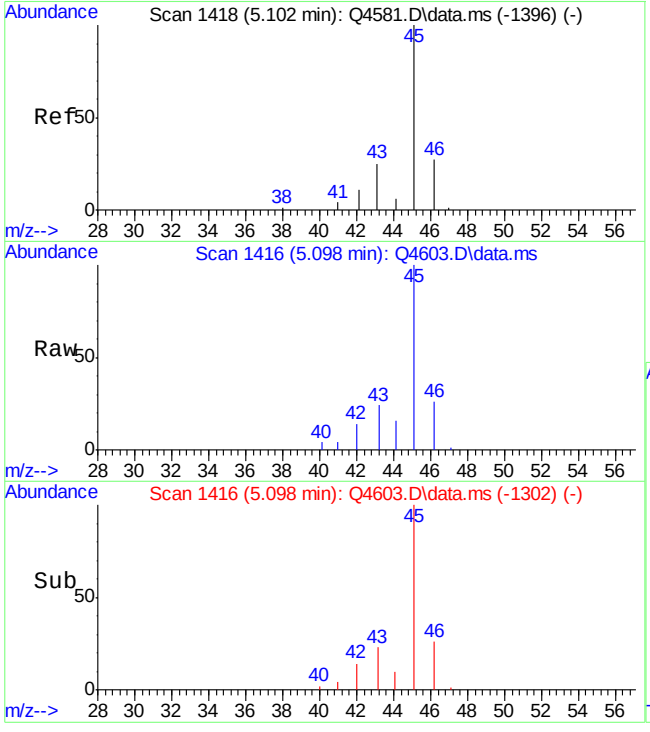


#13
PENTANE
Concen: 1.47 PPBV
RT: 6.142 min Scan# 2004
Delta R.T. 0.002 min
Lab File: Q4603.D
Acq: 14 Sep 2007 9:00 am

Tgt Ion: 42 Resp: 30509

Ion	Ratio	Lower	Upper
42	100		
41	98.4	80.3	120.3
57	19.5	3.0	43.0

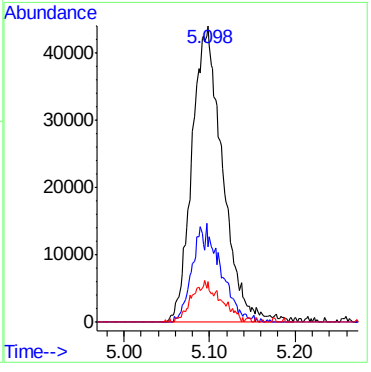


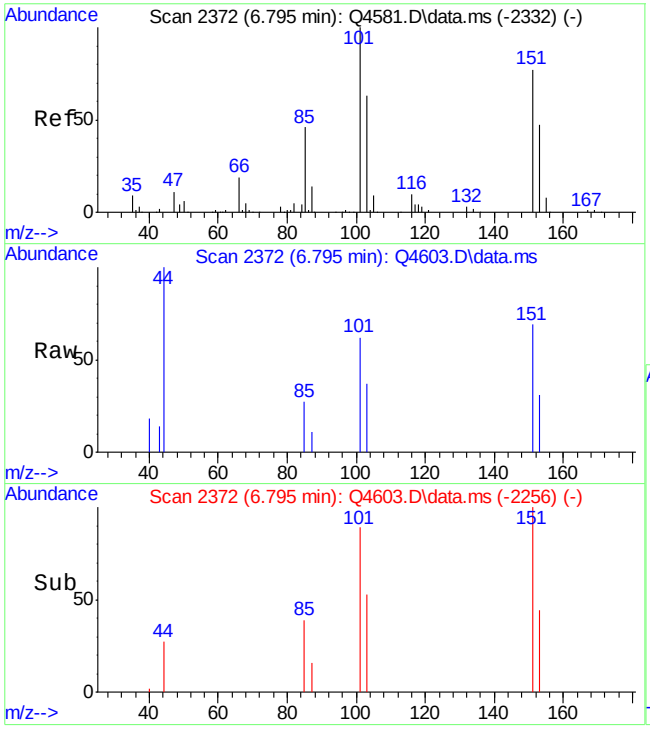


#16
ETHANOL
Concen: 17.67 PPBV
RT: 5.098 min Scan# 1416
Delta R.T. -0.003 min
Lab File: Q4603.D
Acq: 14 Sep 2007 9:00 am

Tgt Ion: 45 Resp: 109601

Ion	Ratio	Lower	Upper
45	100		
46	30.3	10.9	50.9
42	13.0	0.0	31.5

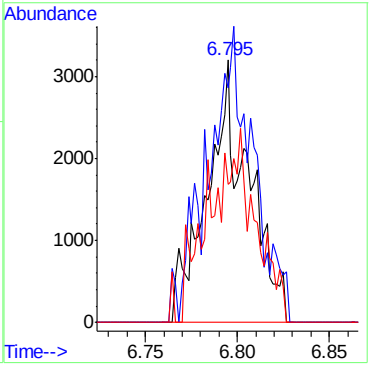


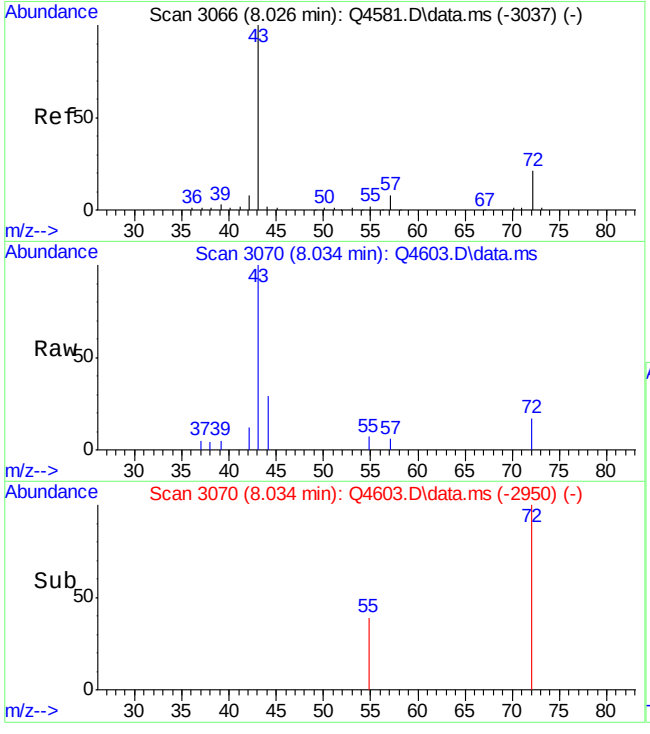


#20
FREON 113
Concen: 0.13 PPBV
RT: 6.795 min Scan# 2372
Delta R.T. 0.000 min
Lab File: Q4603.D
Acq: 14 Sep 2007 9:00 am

Tgt Ion:151 Resp: 5012

Ion	Ratio	Lower	Upper
151	100		
101	103.9	110.0	150.0#
103	51.3	63.2	103.2#

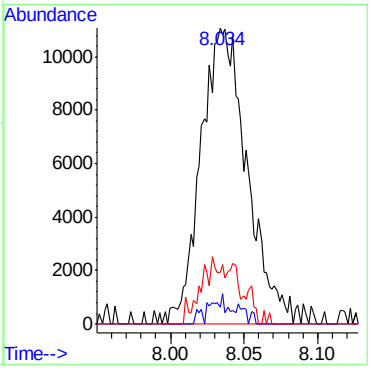


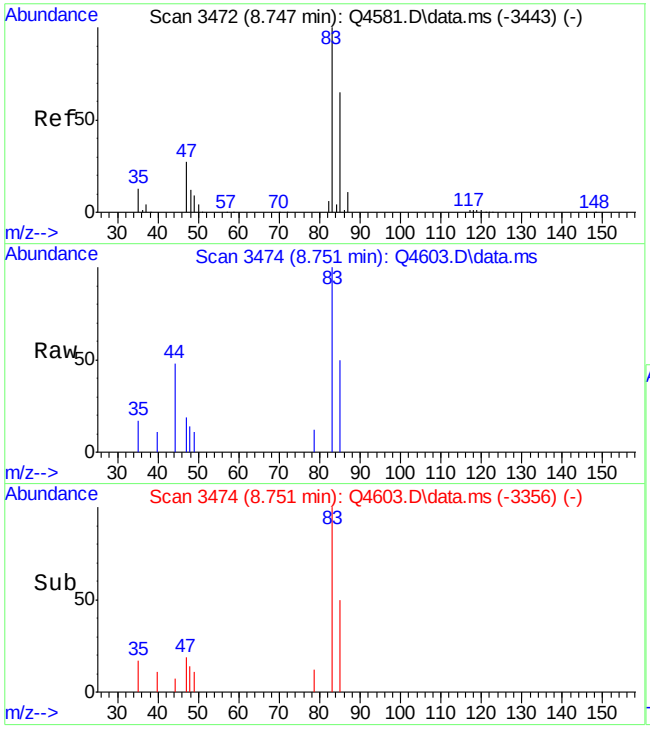


#28
METHYL ETHYL KETONE
Concen: 0.93 PPBV
RT: 8.034 min Scan# 3070
Delta R.T. 0.007 min
Lab File: Q4603.D
Acq: 14 Sep 2007 9:00 am

Tgt Ion: 43 Resp: 24075

Ion	Ratio	Lower	Upper
43	100		
57	5.9	0.0	27.9
72	17.5	1.1	41.1

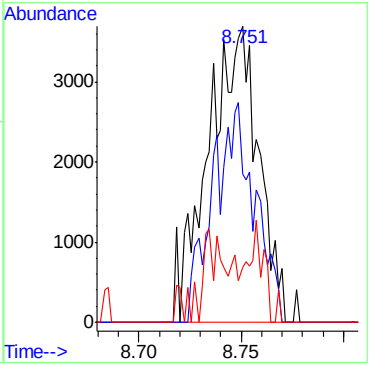


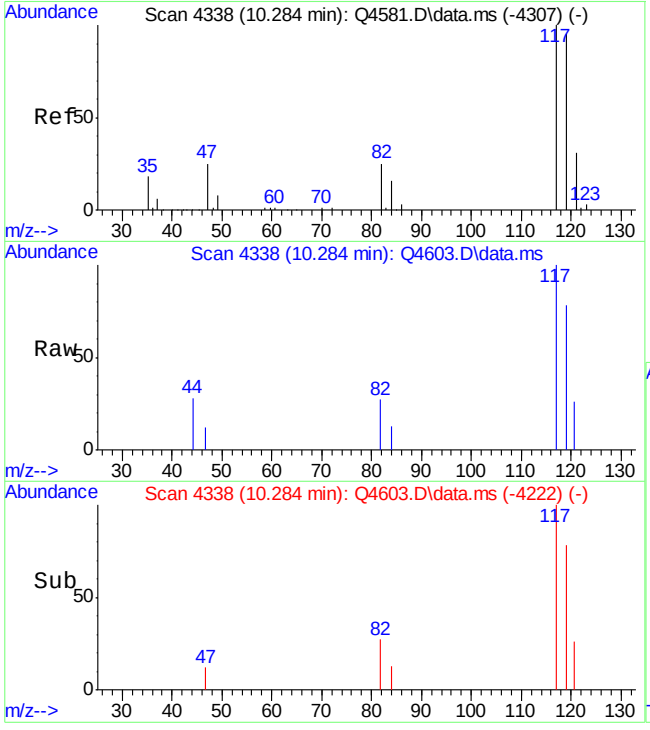


#31
CHLOROFORM
Concen: 0.15 PPBV
RT: 8.751 min Scan# 3474
Delta R.T. 0.004 min
Lab File: Q4603.D
Acq: 14 Sep 2007 9:00 am

Tgt Ion: 83 Resp: 6349

Ion	Ratio	Lower	Upper
83	100		
85	61.1	44.2	84.2
47	16.2	7.7	47.7

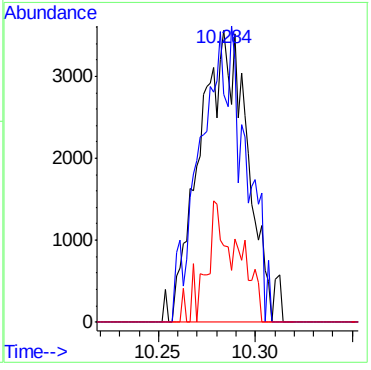


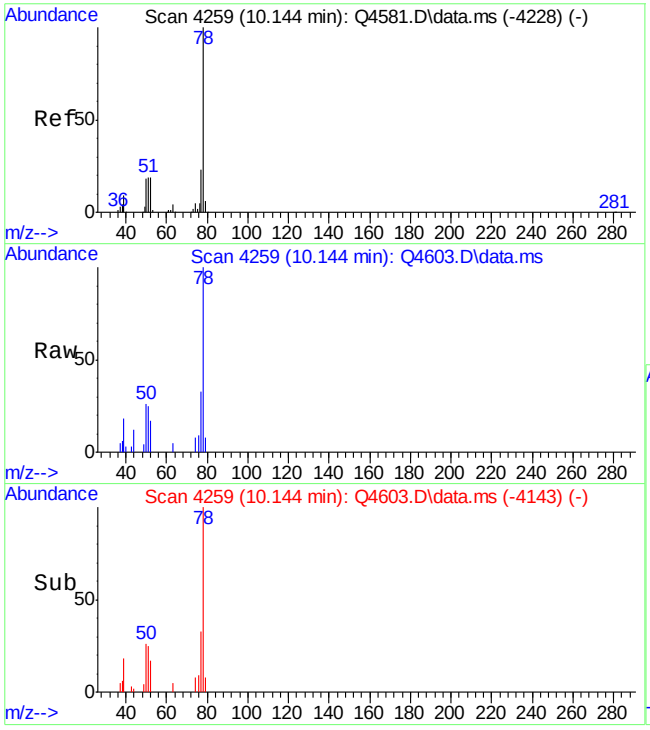


#33
CARBON TETRACHLORIDE
Concen: 0.13 PPBV
RT: 10.284 min Scan# 4338
Delta R.T. 0.000 min
Lab File: Q4603.D
Acq: 14 Sep 2007 9:00 am

Tgt Ion:117 Resp: 6177

Ion	Ratio	Lower	Upper
117	100		
119	94.1	75.2	115.2
121	25.0	10.1	50.1

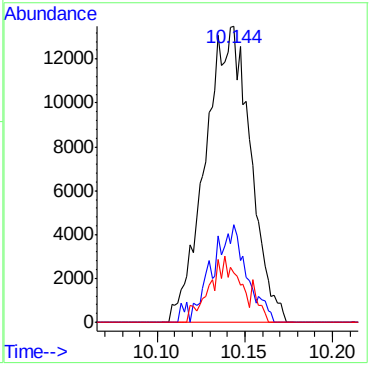


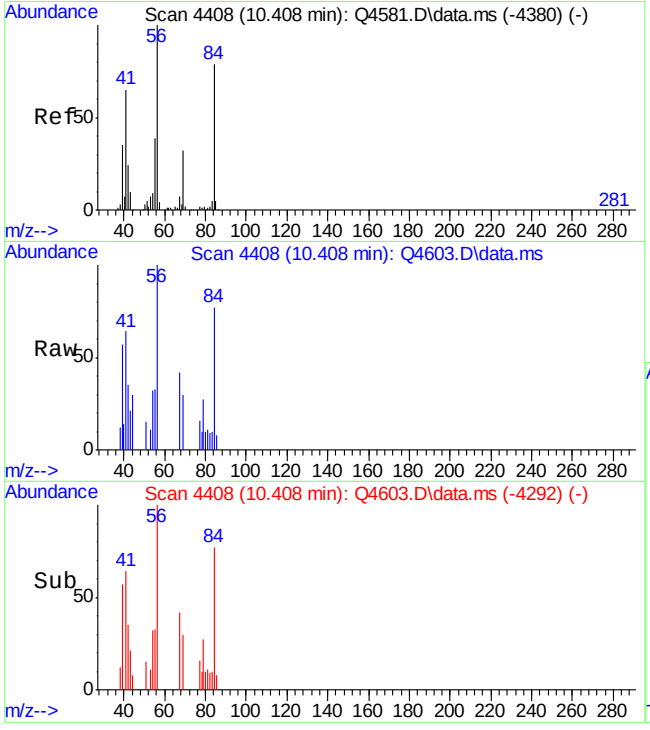


#36
BENZENE
Concen: 0.66 PPBV
RT: 10.144 min Scan# 4259
Delta R.T. 0.000 min
Lab File: Q4603.D
Acq: 14 Sep 2007 9:00 am

Tgt Ion: 78 Resp: 24154

Ion	Ratio	Lower	Upper
78	100		
77	25.7	3.7	43.7
52	16.5	0.0	37.0

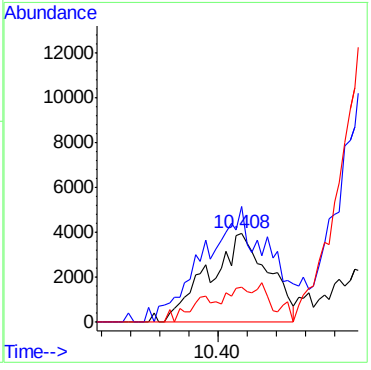


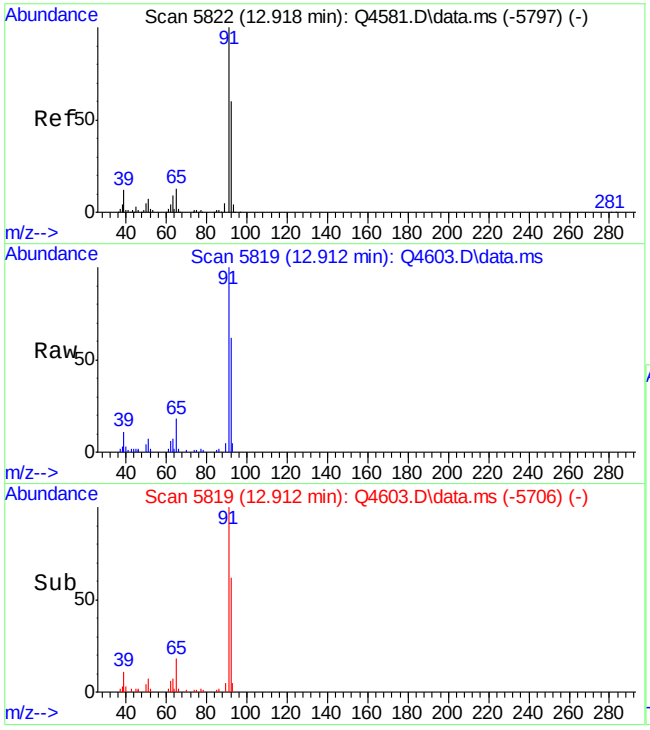


#37
CYCLOHEXANE
Concen: 0.35 PPBV m
RT: 10.408 min Scan# 4408
Delta R.T. 0.000 min
Lab File: Q4603.D
Acq: 14 Sep 2007 9:00 am

Tgt Ion: 84 Resp: 5601

Ion	Ratio	Lower	Upper
84	100		
56	0.0	115.0	155.0#
69	0.0	21.4	61.4#

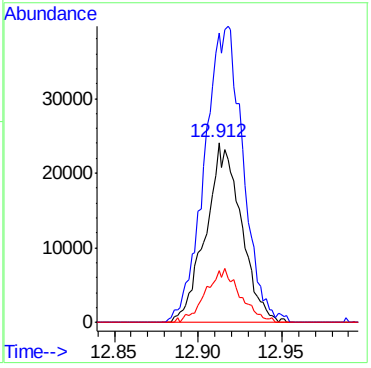


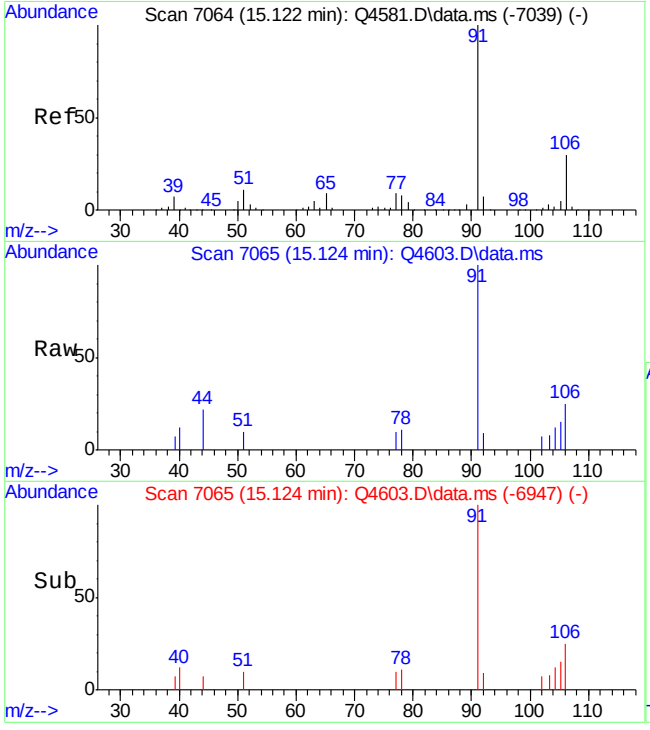


#46
TOLUENE
Concen: 1.67 PPBV
RT: 12.912 min Scan# 5819
Delta R.T. -0.005 min
Lab File: Q4603.D
Acq: 14 Sep 2007 9:00 am

Tgt Ion: 92 Resp: 35504

Ion	Ratio	Lower	Upper
92	100		
91	179.0	148.2	188.2
65	28.8	1.0	41.0

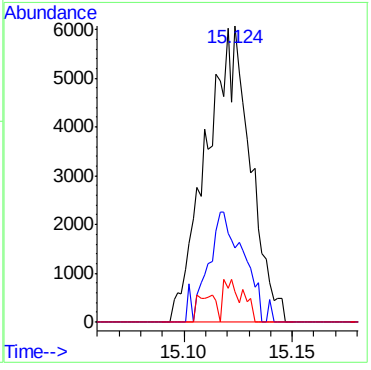


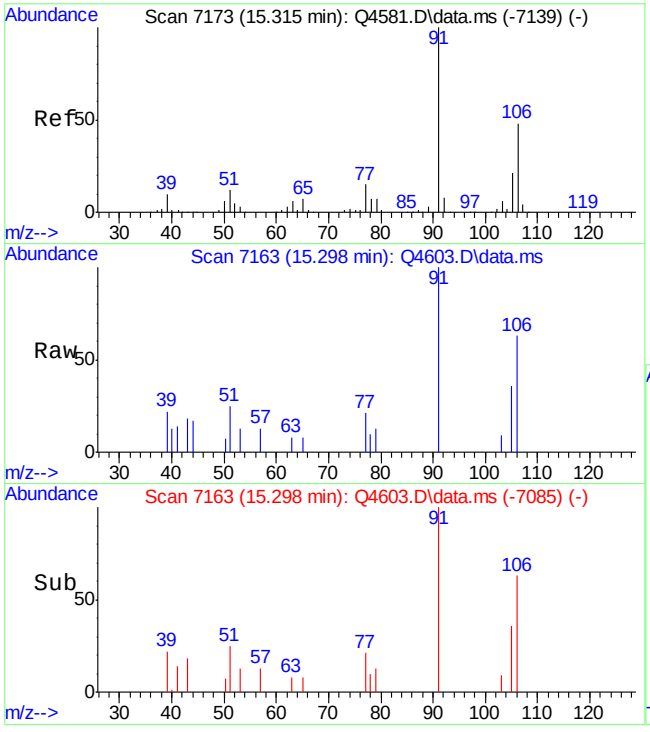


#55
ETHYLBENZENE
Concen: 0.40 PPBV
RT: 15.124 min Scan# 7065
Delta R.T. 0.003 min
Lab File: Q4603.D
Acq: 14 Sep 2007 9:00 am

Tgt Ion: 91 Resp: 8577

Ion	Ratio	Lower	Upper
91	100		
106	30.3	9.0	49.0
77	10.0	0.0	29.6

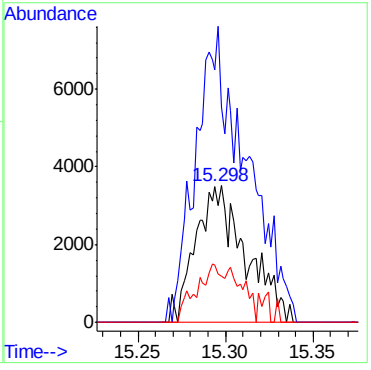


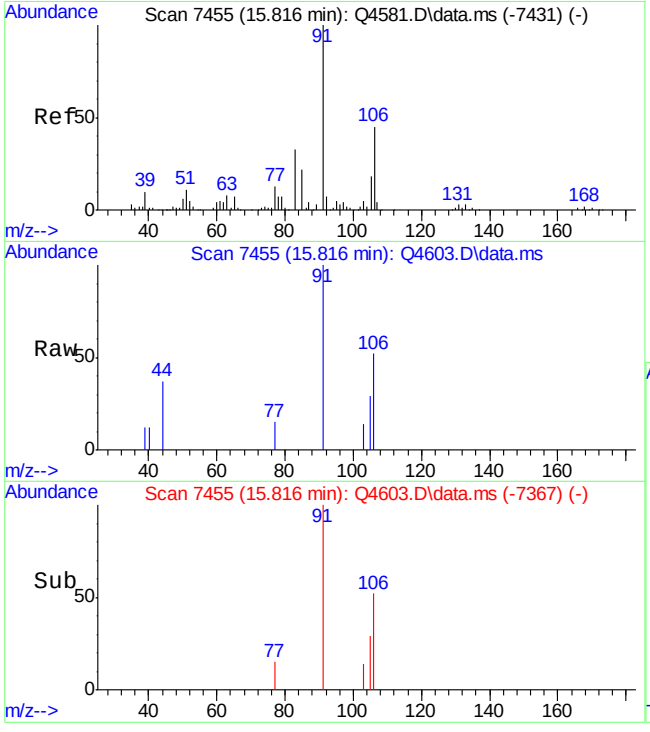


#56
m,p-XYLENE
Concen: 0.36 PPBV
RT: 15.298 min Scan# 7163
Delta R.T. -0.017 min
Lab File: Q4603.D
Acq: 14 Sep 2007 9:00 am

Tgt Ion:106 Resp: 7028

Ion	Ratio	Lower	Upper
106	100		
91	157.7	166.3	249.5#
77	33.5	25.2	37.8

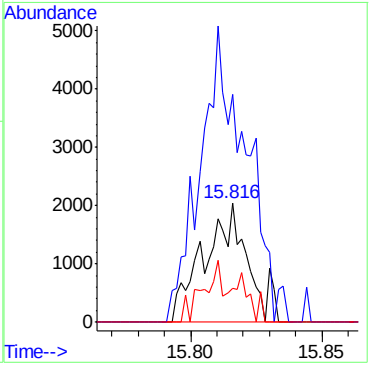




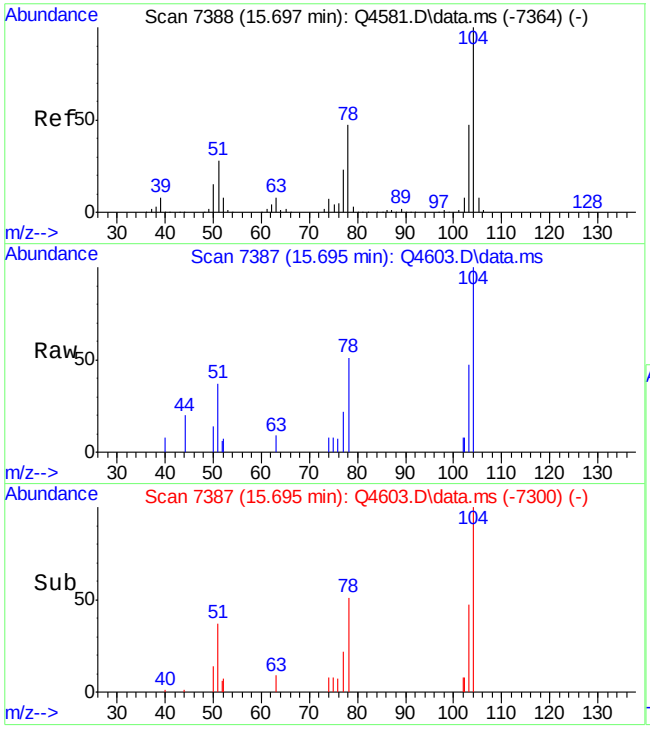
#57
o-XYLENE
Concen: 0.32 PPBV
RT: 15.816 min Scan# 7455
Delta R.T. 0.001 min
Lab File: Q4603.D
Acq: 14 Sep 2007 9:00 am

Tgt Ion:106 Resp: 2353

Ion	Ratio	Lower	Upper
106	100		
91	260.0	205.3	245.3#
77	39.5	8.8	48.8



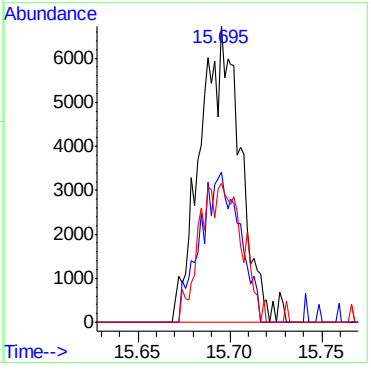
ACCUTEST Laboratories M67589

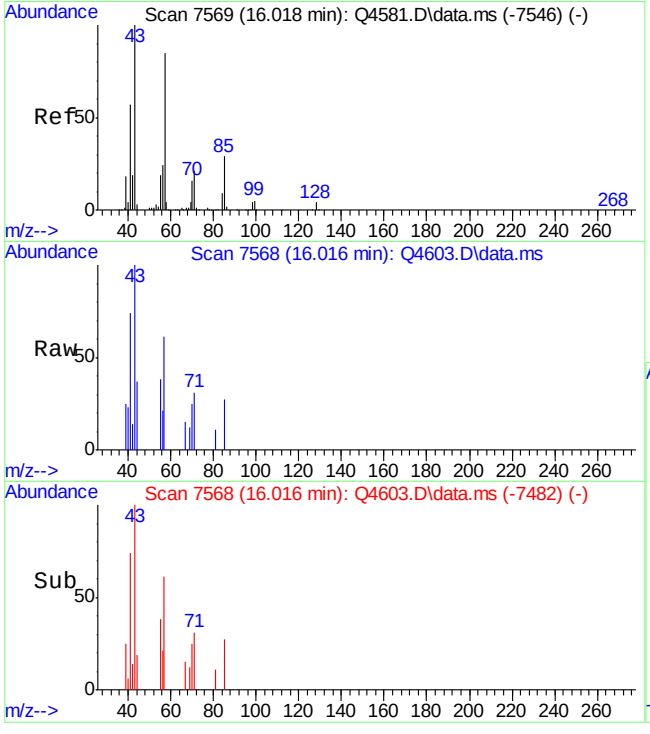


#58
STYRENE
Concen: 0.95 PPBV
RT: 15.695 min Scan# 7387
Delta R.T. -0.001 min
Lab File: Q4603.D
Acq: 14 Sep 2007 9:00 am

Tgt Ion:104 Resp: 10412

Ion	Ratio	Lower	Upper
104	100		
78	48.7	28.1	68.1
103	48.3	27.5	67.5

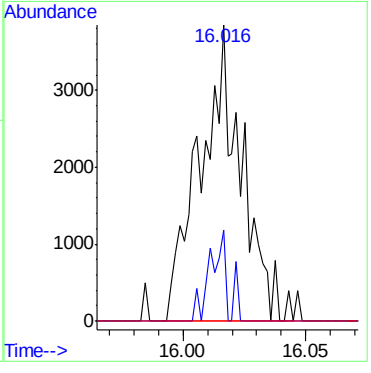


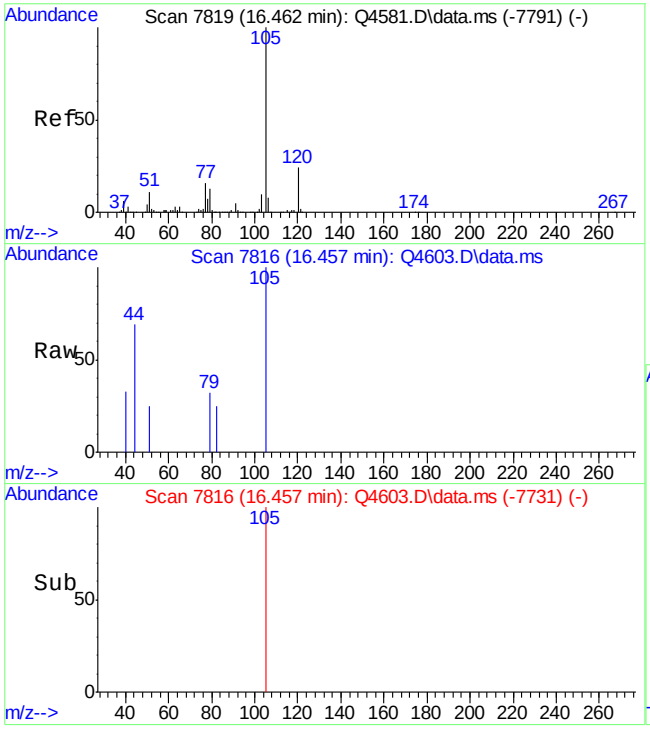


#59
NONANE
Concen: 0.42 PPBV
RT: 16.016 min Scan# 7568
Delta R.T. -0.002 min
Lab File: Q4603.D
Acq: 14 Sep 2007 9:00 am

Tgt Ion: 43 Resp: 4499

Ion	Ratio	Lower	Upper
43	100		
71	12.4	1.0	41.0
128	0.0	0.0	24.0

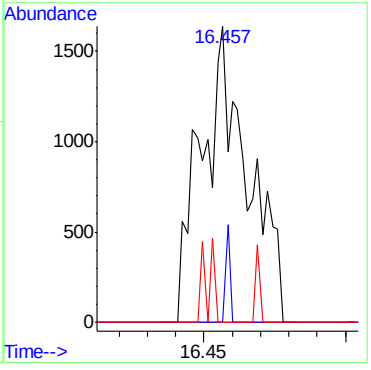


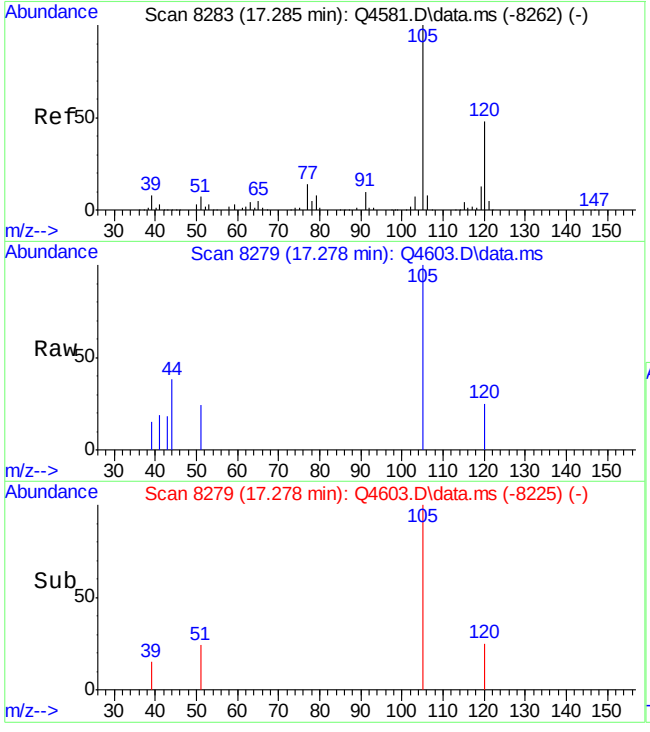


#63
ISOPROPYLBENZENE
Concen: 0.28 PPBV
RT: 16.457 min Scan# 7816
Delta R.T. -0.004 min
Lab File: Q4603.D
Acq: 14 Sep 2007 9:00 am

Tgt Ion:105 Resp: 1875

Ion	Ratio	Lower	Upper
105	100		
120	0.0	3.8	43.8#
77	5.2	0.0	36.7

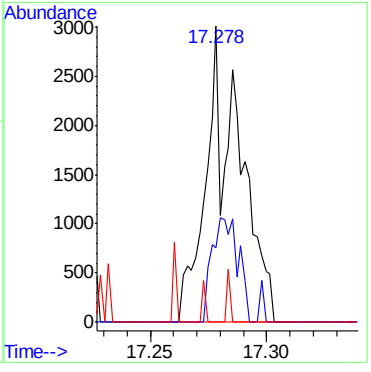


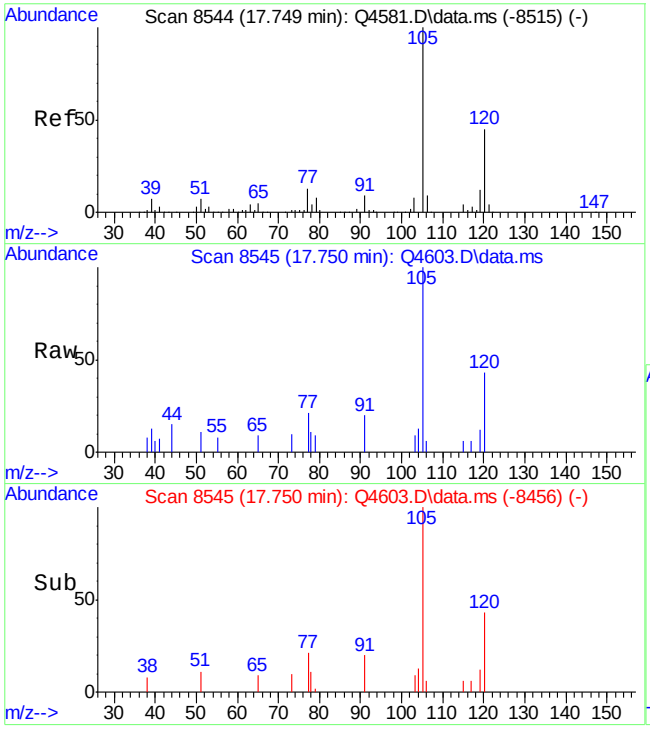


#66
1,3,5-TRIMETHYLBENZENE
Concen: 0.43 PPBV m
RT: 17.278 min Scan# 8279
Delta R.T. -0.007 min
Lab File: Q4603.D
Acq: 14 Sep 2007 9:00 am

Tgt Ion:105 Resp: 3002

Ion	Ratio	Lower	Upper
105	100		
120	19.8	27.1	67.1#
91	14.1	0.0	30.3

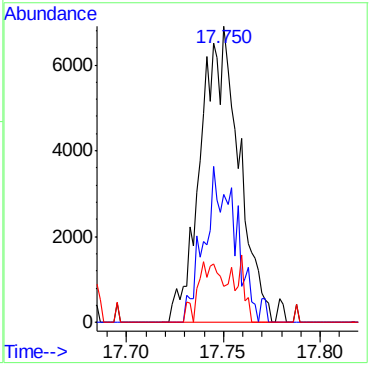




#67
1,2,4-TRIMETHYLBENZENE
Concen: 0.79 PPBV
RT: 17.750 min Scan# 8545
Delta R.T. 0.002 min
Lab File: Q4603.D
Acq: 14 Sep 2007 9:00 am

Tgt Ion:105 Resp: 9533

Ion	Ratio	Lower	Upper
105	100		
120	41.7	24.9	64.9
119	19.3	0.0	32.2



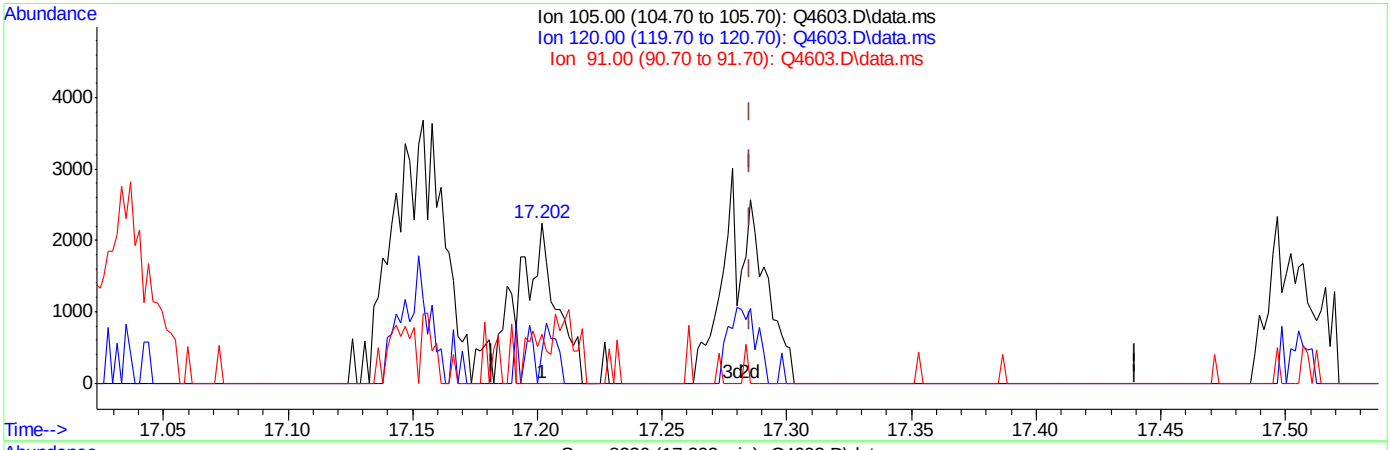
6.4.1

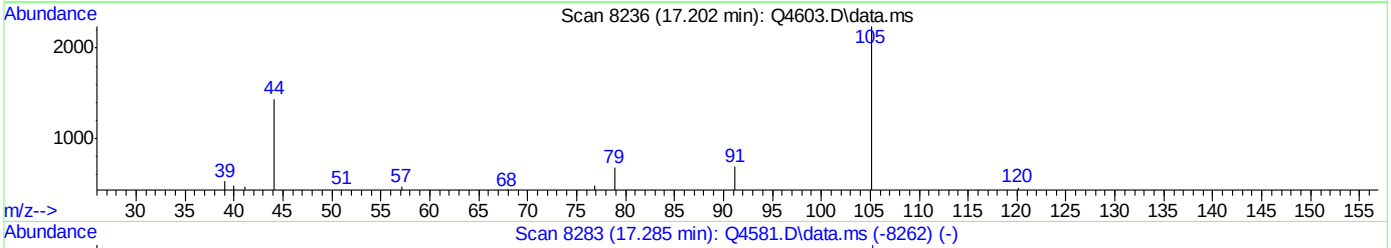
6

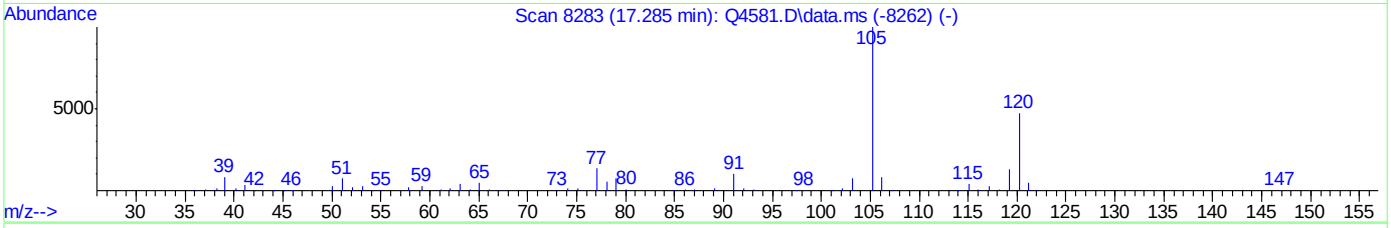
Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\
Data File : Q4603.D
Acq On : 14 Sep 2007 9:00 am
Operator : danat
Sample : m67591-2dup (M125)
Misc : MS14279,MSQ241,,,,,1
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Sep 14 10:23:02 2007
Quant Method : C:\msdchem\1\METHODS\Q091307T.m
Quant Title : TO15 by GCMS w/DB-1 60 m X .25 mm ID 1.0 um
QLast Update : Thu Sep 13 13:58:21 2007
Response via : Initial Calibration







TIC: Q4603.D\data.ms

(66) 1,3,5-TRIMETHYLBENZENE (m)

17.202min (-0.083) 0.41PPBV

response 1864

Ion	Exp%	Act%
105.00	100	100
120.00	47.10	31.92
91.00	10.30	22.75
0.00	0.00	0.00

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\
Data File : Q4350.D
Acq On : 20 Aug 2007 11:27 pm
Operator : danat
Sample : scc (M033)
Misc : MS14080, MSQ230,,,,,1
ALS Vial : 10 Sample Multiplier: 1

Quant Time: Aug 21 16:22:40 2007
Quant Method : C:\msdchem\1\METHODS\Q082007T.m
Quant Title : TO15 by GCMS w/DB-1 60 m X .25 mm ID 1.0 um
QLast Update : Mon Aug 20 17:58:39 2007
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) BROMOCHLOROMETHANE	8.630	128	265753	10.00	PPBV	0.00
35) 1,4-DIFLUOROBENZENE	10.458	114	1150030	10.00	PPBV	0.00
49) CHLOROBENZENE-D5	14.700	117	846220	10.00	PPBV	0.00

System Monitoring Compounds

61) 4-BROMOFLUOROBENZENE	16.323	95	181901	3.23	PPBV	0.00

Spiked Amount 5.000 Range 57 - 139 Recovery = 64.60%

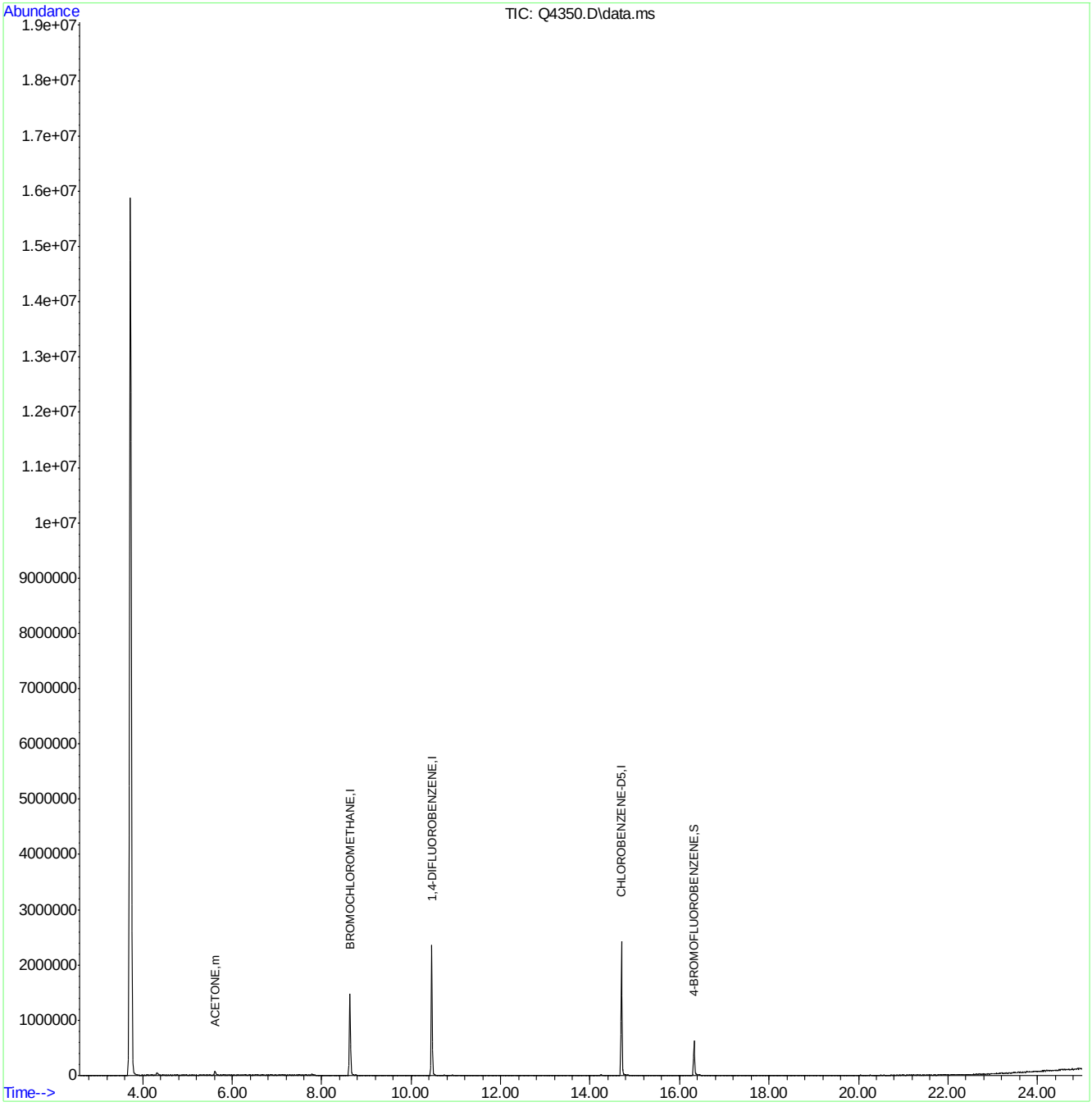
Target Compounds						Qvalue
12) ACETONE	5.611	43	94565	0.96	PPBV	90

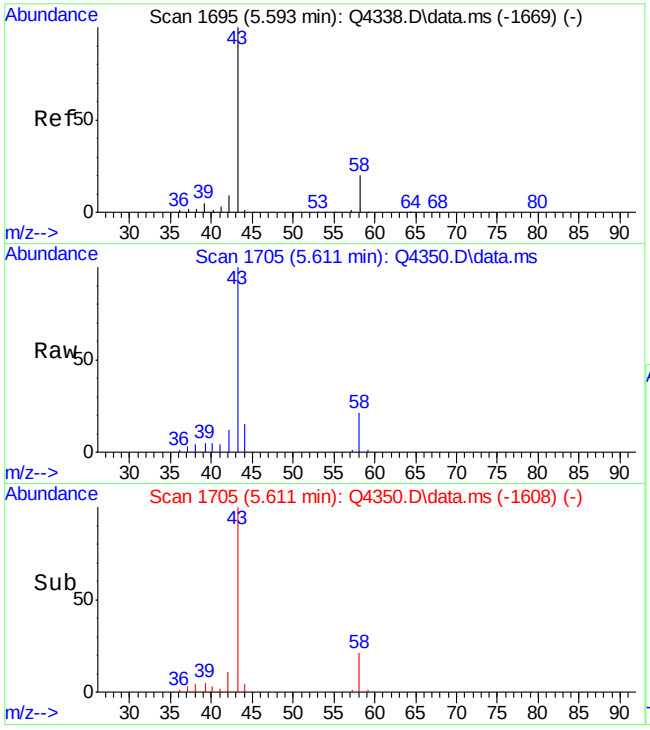
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\
Data File : Q4350.D
Acq On : 20 Aug 2007 11:27 pm
Operator : danat
Sample : scc (M033)
Misc : MS14080, MSQ230,,,,,1
ALS Vial : 10 Sample Multiplier: 1

Quant Time: Aug 21 16:22:40 2007
Quant Method : C:\msdchem\1\METHODS\Q082007T.m
Quant Title : TO15 by GCMS w/DB-1 60 m X .25 mm ID 1.0 um
QLast Update : Mon Aug 20 17:58:39 2007
Response via : Initial Calibration

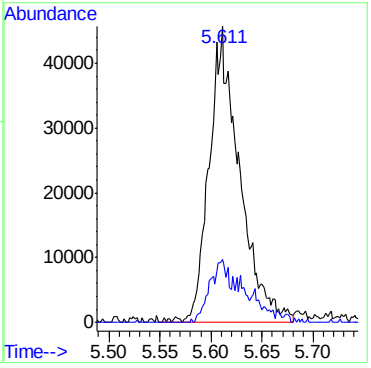




#12
ACETONE
Concen: 0.96 PPBV
RT: 5.611 min Scan# 1705
Delta R.T. 0.018 min
Lab File: Q4350.D
Acq: 20 Aug 2007 11:27 pm

Tgt Ion: 43 Resp: 94565

Ion	Ratio	Lower	Upper
43	100		
58	23.1	0.0	38.7



6.5.1

6

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\
Data File : Q4358.D
Acq On : 21 Aug 2007 10:28 am
Operator : danat
Sample : scc (M073)
Misc : MS14080, MSQ230,,,,,1
ALS Vial : 5 Sample Multiplier: 1

Quant Time: Aug 21 16:32:20 2007
Quant Method : C:\msdchem\1\METHODS\Q082007T.m
Quant Title : TO15 by GCMS w/DB-1 60 m X .25 mm ID 1.0 um
QLast Update : Mon Aug 20 17:58:39 2007
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) BROMOCHLOROMETHANE	8.626	128	266496	10.00	PPBV	0.00
35) 1,4-DIFLUOROBENZENE	10.458	114	1117878	10.00	PPBV	0.00
49) CHLOROBENZENE-D5	14.700	117	829133	10.00	PPBV	0.00

System Monitoring Compounds

61) 4-BROMOFLUOROBENZENE	16.323	95	192961	3.50	PPBV	0.00

Spiked Amount 5.000 Range 57 - 139 Recovery = 70.00%

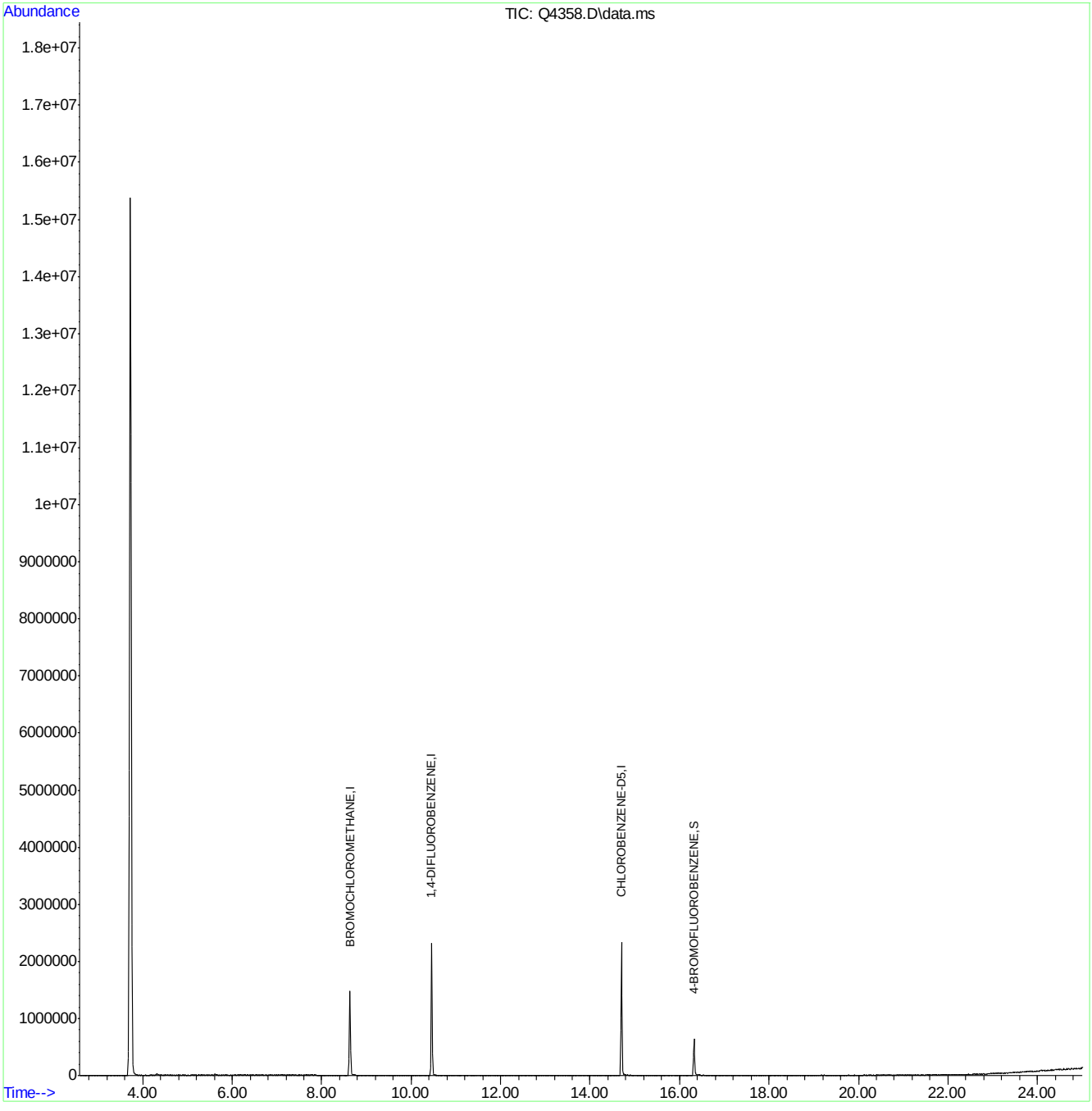
Target Compounds	Qvalue

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

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\
Data File : Q4358.D
Acq On : 21 Aug 2007 10:28 am
Operator : danat
Sample : scc (M073)
Misc : MS14080, MSQ230,,,,,1
ALS Vial : 5 Sample Multiplier: 1

Quant Time: Aug 21 16:32:20 2007
Quant Method : C:\msdchem\1\METHODS\Q082007T.m
Quant Title : TO15 by GCMS w/DB-1 60 m X .25 mm ID 1.0 um
QLast Update : Mon Aug 20 17:58:39 2007
Response via : Initial Calibration

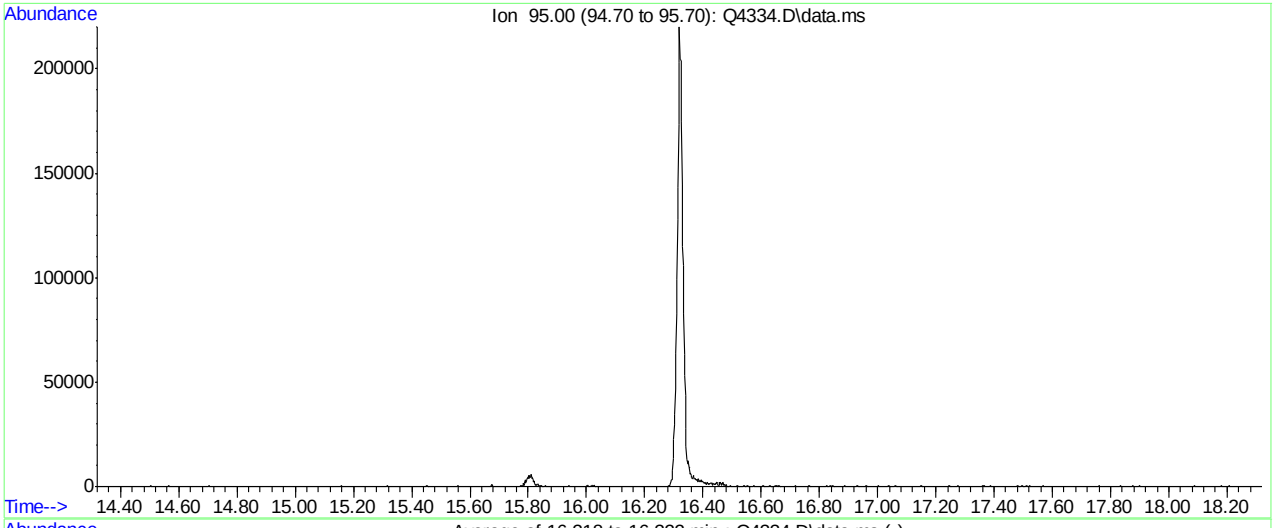


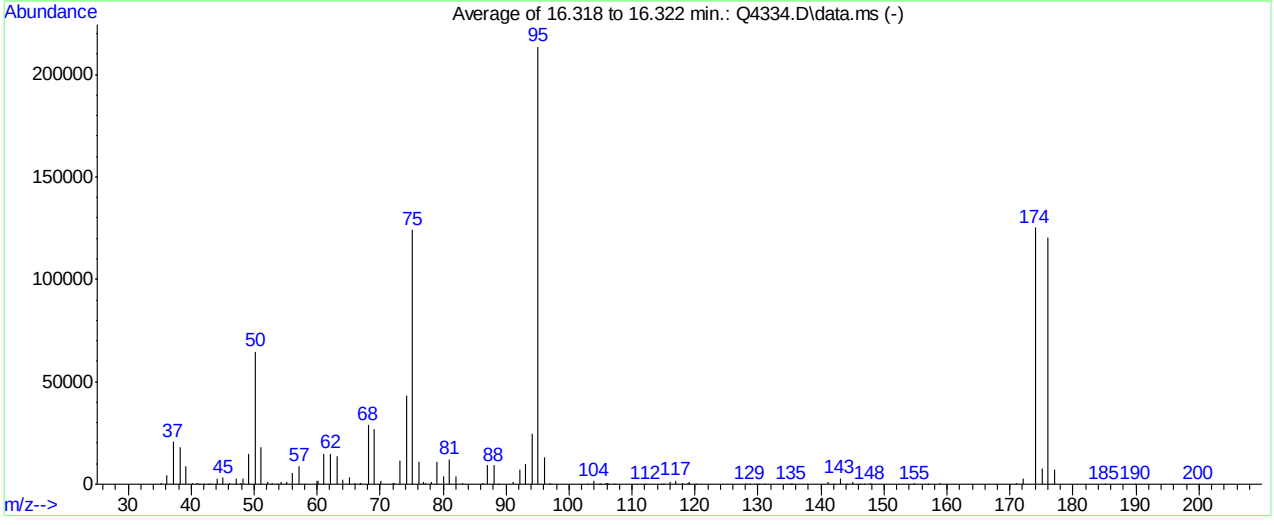
BFB

Data File : C:\msdchem\1\DATA\Q4334.D
Acq On : 20 Aug 2007 11:56 am
Sample : ic230-0.5 (M065)
Misc : MS14080, MSQ230,,,,,1
MS Integration Params: LSCINT.P

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

Method : C:\msdchem\1\METHODS\Q082007T.m (RTE Integrator)
Title : TO15 by GCMS w/DB-1 60 m X .25 mm ID 1.0 um





AutoFind: Scans 7738, 7739, 7740; Background Corrected with Scan 7714

Target Mass	Rel. to Mass	Lower Limit%	Upper Limit%	Rel. Abn%	Raw Abn	Result Pass/Fail
50	95	8	40	30.2	64589	PASS
75	95	30	66	58.1	124064	PASS
95	95	100	100	100.0	213653	PASS
96	95	5	9	6.1	12965	PASS
173	174	0.00	2	0.0	0	PASS
174	95	50	120	58.6	125282	PASS
175	174	4	9	6.1	7634	PASS
176	174	93	101	96.1	120357	PASS
177	176	5	9	6.0	7193	PASS

Q4334.D Q082007T.m Tue Aug 21 16:06:25 2007 RPT1

Average of 16.318 to 16.322 min.: Q4334.D\data.ms
ic230-0.5 (M065)
Modified:subtracted

m/z	abund.	m/z	abund.	m/z	abund.	m/z	abund.
35.15	575	44.10	2989	53.60	154	64.15	2330
36.10	4643	45.10	3245	54.25	1161	65.15	3349
37.15	20568	46.05	565	55.10	1042	66.00	509
38.20	18258	47.20	2805	56.10	5537	66.70	189
39.15	8860	47.90	675	57.15	8969	67.00	384
40.15	568	48.15	2772	58.00	237	68.15	28933
40.95	329	49.15	14925	60.00	1847	69.10	27077
41.20	135	50.20	64589	60.20	1469	70.10	1920
42.00	133	51.15	18013	61.10	14694	72.00	707
42.80	176	52.10	1005	62.15	15048	72.20	547
43.10	186	52.90	513	63.15	13805	73.15	11445

Average of 16.318 to 16.322 min.: Q4334.D\data.ms
ic230-0.5 (M065)
Modified:subtracted

m/z	abund.	m/z	abund.	m/z	abund.	m/z	abund.
74.15	43506	86.30	346	102.80	133	115.95	891
75.15	124064	87.05	9243	103.95	1644	117.00	1742
76.15	10937	88.05	9243	104.80	289	117.95	613
76.95	1164	88.80	209	105.00	163	118.90	736
77.20	354	91.20	1088	105.80	333	119.05	1139
78.05	860	92.10	7203	106.00	399	120.20	135
79.05	10767	93.10	9784	106.20	228	127.90	250
80.05	3958	94.10	24552	107.10	144	128.20	243
81.05	12319	95.10	213653	112.20	230	128.70	291
82.05	3628	96.15	12965	114.60	137	129.80	148
83.10	321	96.95	573	114.90	159	130.10	188

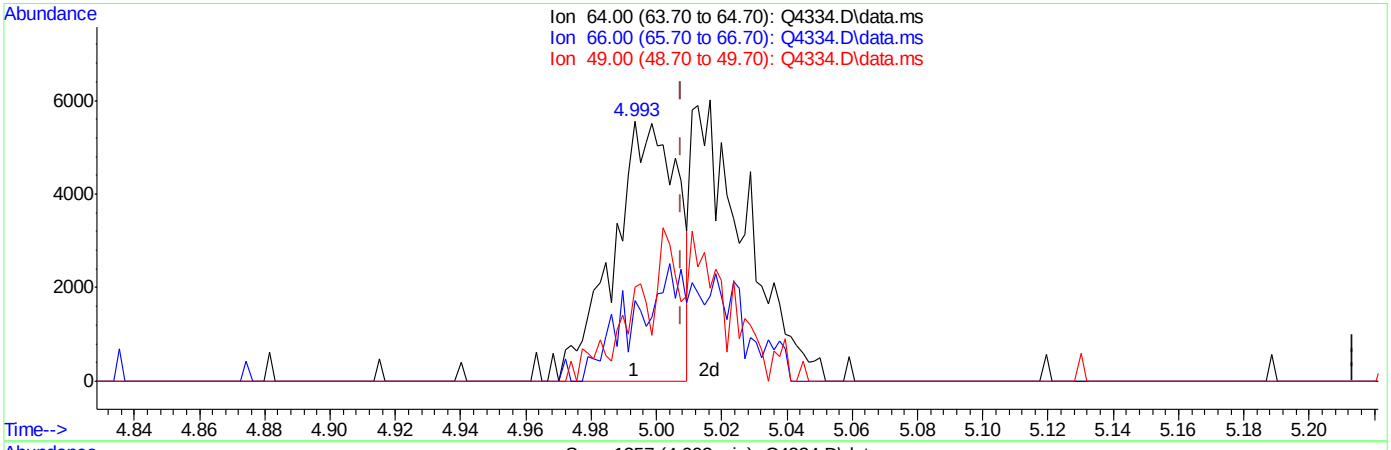
Average of 16.318 to 16.322 min.: Q4334.D\data.ms
ic230-0.5 (M065)
Modified:subtracted

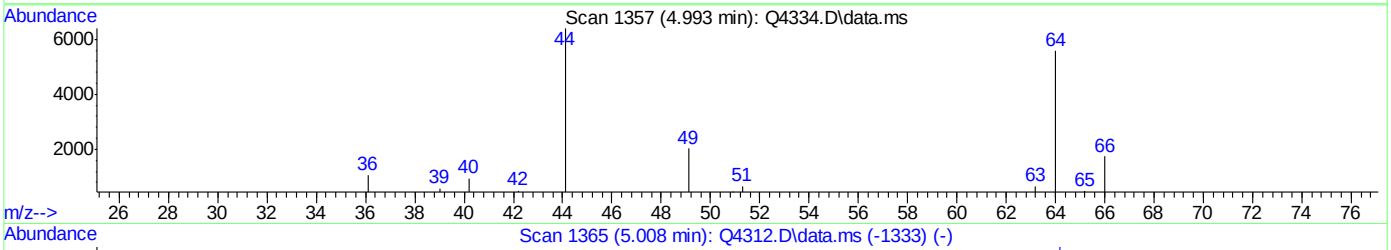
m/z	abund.	m/z	abund.	m/z	abund.	m/z	abund.
131.00	141	146.10	276	177.05	7193		
134.60	135	146.90	187	185.00	150		
135.00	151	147.80	462	189.90	133		
135.30	230	154.90	470	200.00	149		
135.50	165	157.00	164				
137.70	142	158.85	363				
141.05	1383	171.00	334				
142.00	134	172.05	2822				
143.00	2941	174.05	125282				
144.10	146	175.10	7634				
145.05	1338	176.05	120357				

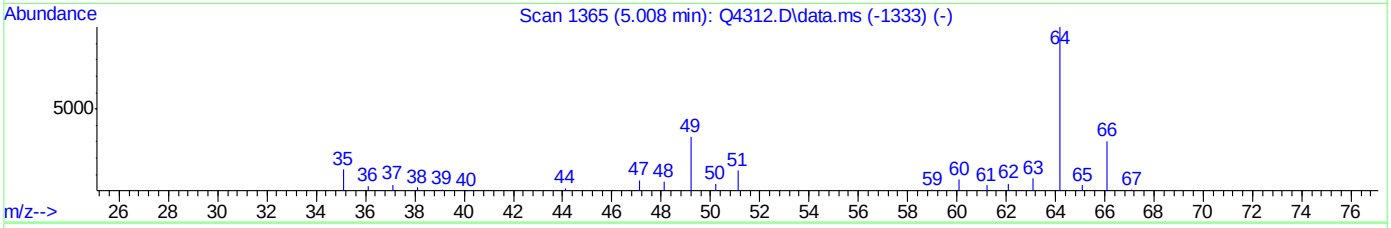
Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\
Data File : Q4334.D
Acq On : 20 Aug 2007 11:56 am
Operator : danat
Sample : ic230-0.5 (M065)
Misc : MS14080, MSQ230,,,,,1
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Aug 20 13:55:35 2007
Quant Method : C:\msdchem\1\METHODS\Q082007T.m
Quant Title : TO15 by GCMS w/DB-1 60 m X .25 mm ID 1.0 um
QLast Update : Mon Aug 20 13:55:19 2007
Response via : Initial Calibration







TIC: Q4334.D\data.ms

(9) CHLOROETHANE (m)

4.993min (-0.014) 0.31PPBV

response 7537

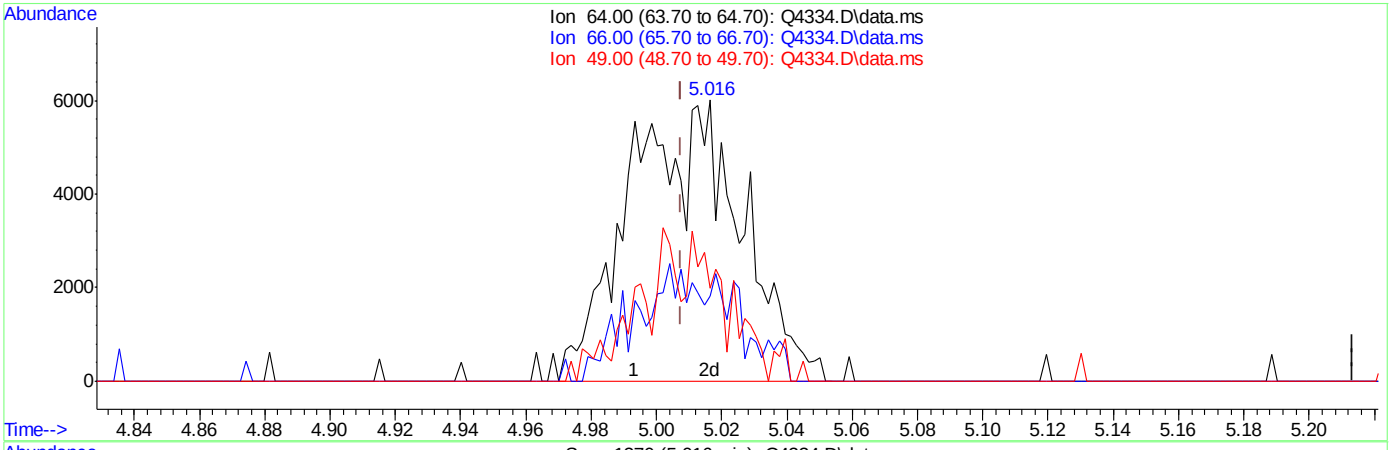
Ion	Exp%	Act%
64.00	100	100
66.00	31.30	67.64#
49.00	38.80	75.60#
0.00	0.00	0.00

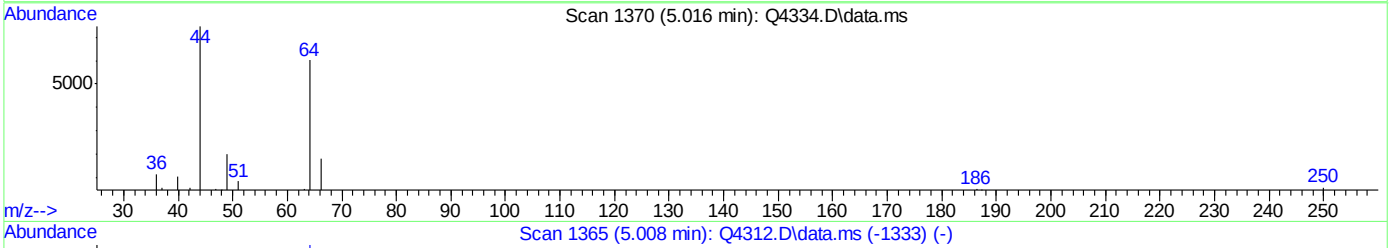
ACCUTEST Laboratories M67589

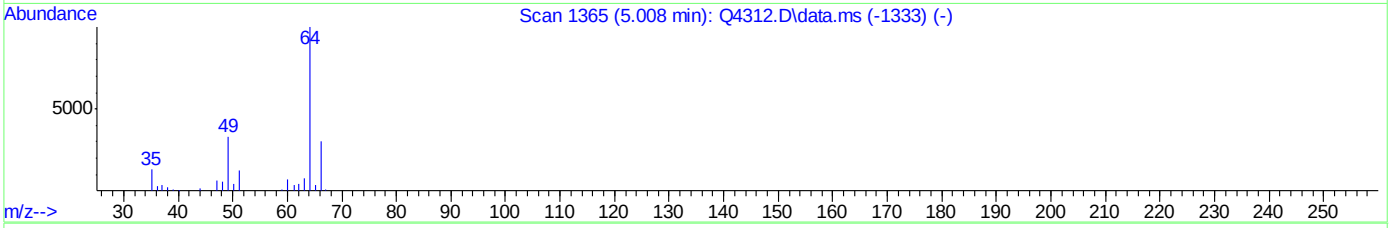
Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\
Data File : Q4334.D
Acq On : 20 Aug 2007 11:56 am
Operator : danat
Sample : ic230-0.5 (M065)
Misc : MS14080, MSQ230,,,,,1
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Aug 20 13:55:35 2007
Quant Method : C:\msdchem\1\METHODS\Q082007T.m
Quant Title : TO15 by GCMS w/DB-1 60 m X .25 mm ID 1.0 um
QLast Update : Mon Aug 20 13:55:19 2007
Response via : Initial Calibration







TIC: Q4334.D\data.ms

(9) CHLOROETHANE (m)

5.016min (+0.009) 0.59PPBV m

response 14301

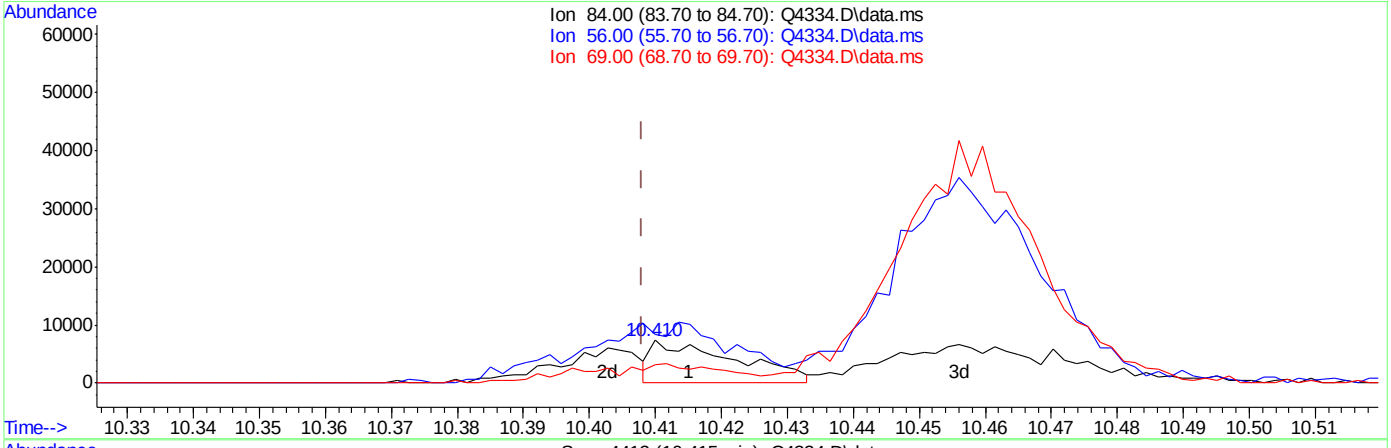
Ion	Exp%	Act%
64.00	100	100
66.00	31.30	35.65
49.00	38.80	39.84
0.00	0.00	0.00

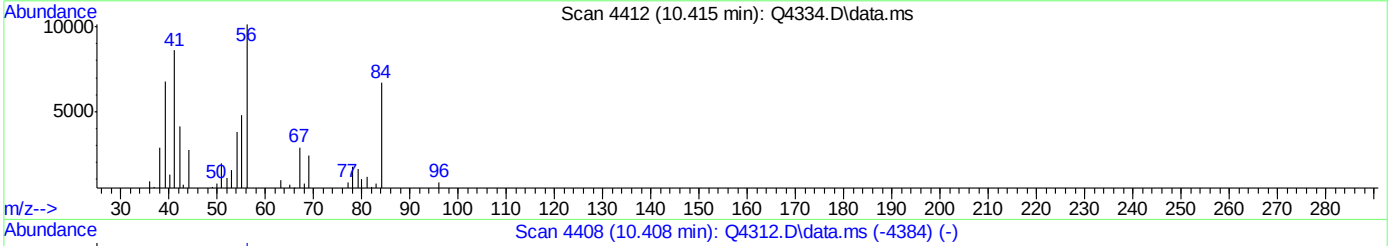
ACCUTEST Laboratories M67589

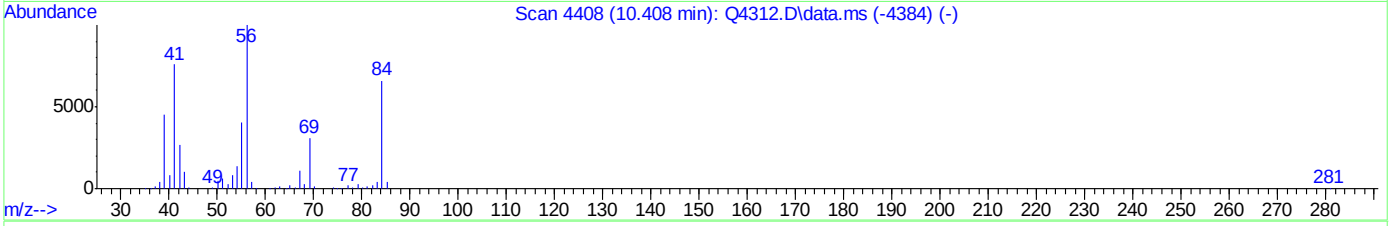
Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\
Data File : Q4334.D
Acq On : 20 Aug 2007 11:56 am
Operator : danat
Sample : ic230-0.5 (M065)
Misc : MS14080, MSQ230,,,,,1
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Aug 20 13:55:35 2007
Quant Method : C:\msdchem\1\METHODS\Q082007T.m
Quant Title : TO15 by GCMS w/DB-1 60 m X .25 mm ID 1.0 um
QLast Update : Mon Aug 20 13:55:19 2007
Response via : Initial Calibration







TIC: Q4334.D\data.ms

(37) CYCLOHEXANE (m)

10.415min (+0.007) 0.14PPBV

response 6451

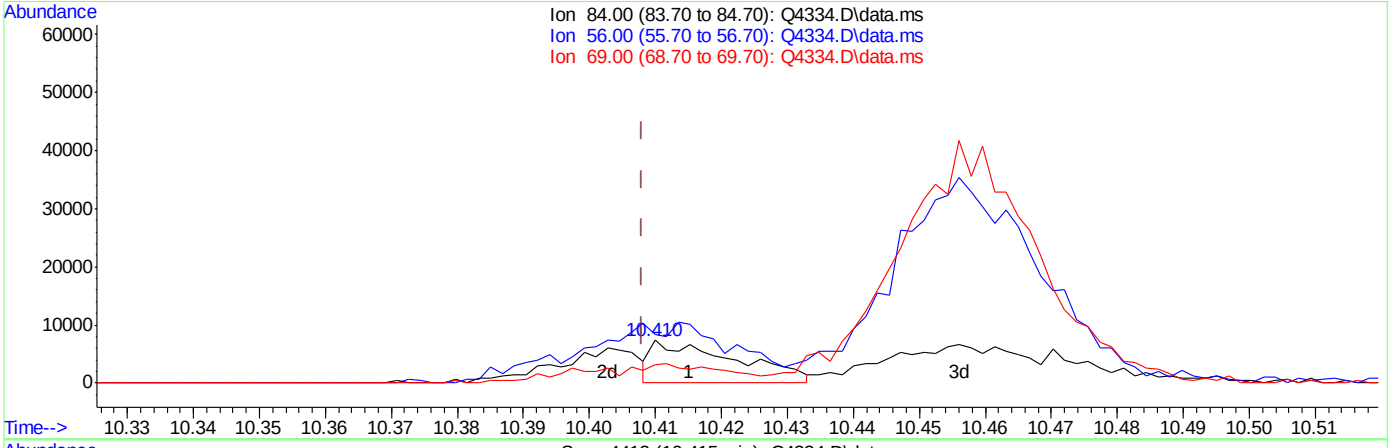
Ion	Exp%	Act%
84.00	100	100
56.00	155.60	257.99#
69.00	44.40	47.09
0.00	0.00	0.00

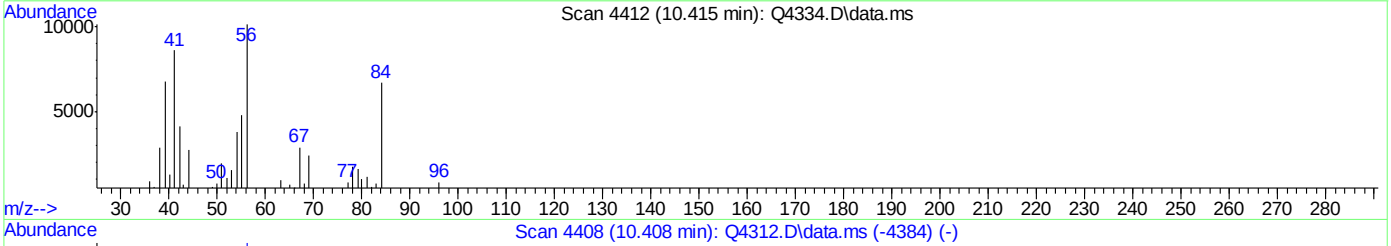
ACCUTEST Laboratories M67589

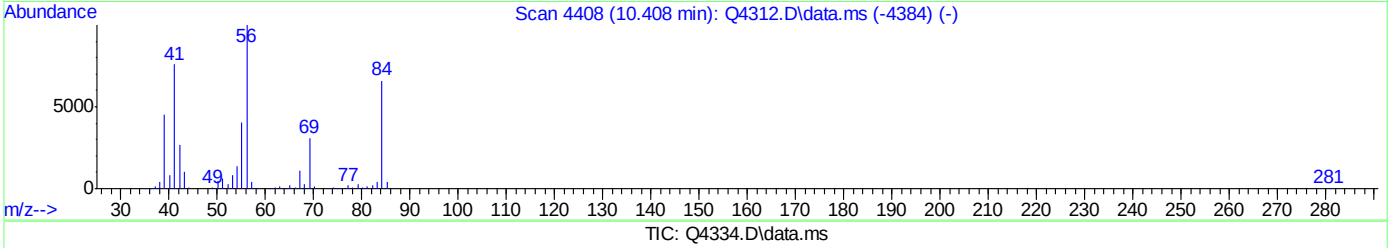
Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\
Data File : Q4334.D
Acq On : 20 Aug 2007 11:56 am
Operator : danat
Sample : ic230-0.5 (M065)
Misc : MS14080, MSQ230,,,,,1
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Aug 20 13:55:35 2007
Quant Method : C:\msdchem\1\METHODS\Q082007T.m
Quant Title : TO15 by GCMS w/DB-1 60 m X .25 mm ID 1.0 um
QLast Update : Mon Aug 20 13:55:19 2007
Response via : Initial Calibration







TIC: Q4334.D\data.ms

(37) CYCLOHEXANE (m)

10.415min (+0.007) 0.14PPBV

response 6451

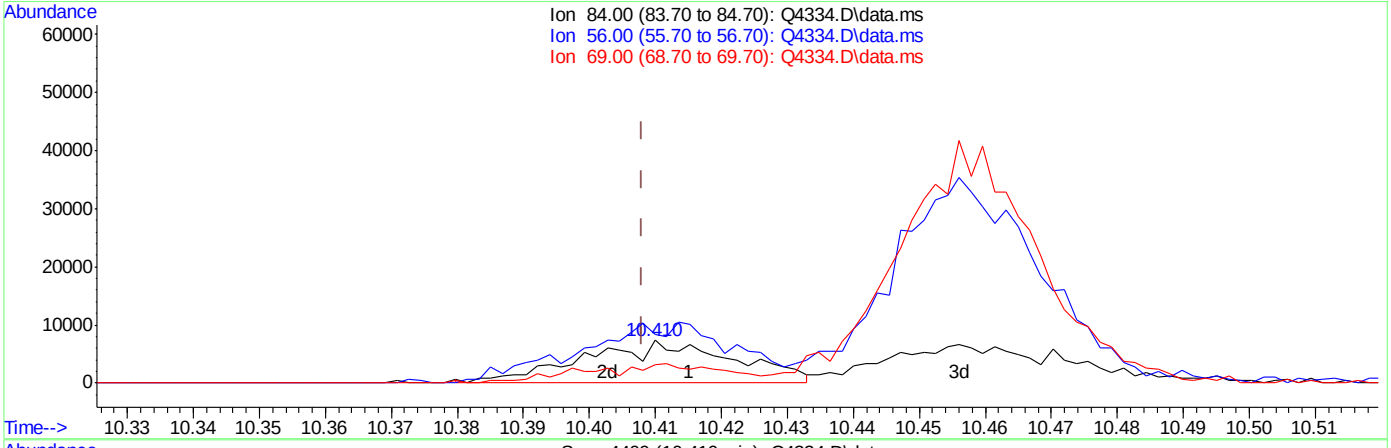
Ion	Exp%	Act%
84.00	100	100
56.00	155.60	257.99#
69.00	44.40	47.09
0.00	0.00	0.00

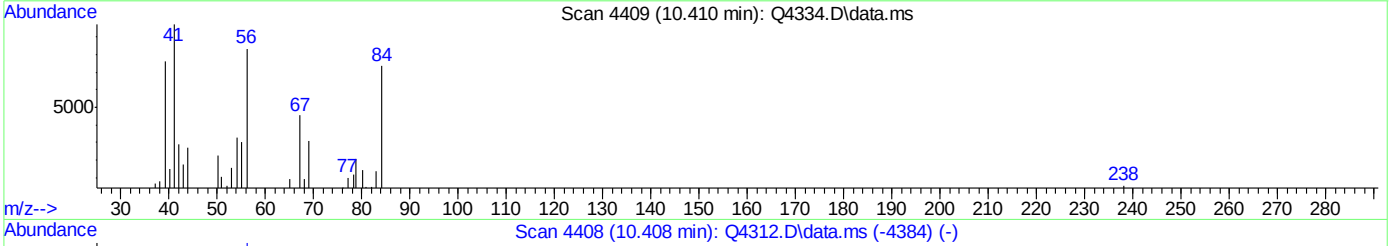
ACCUTEST Laboratories M67589

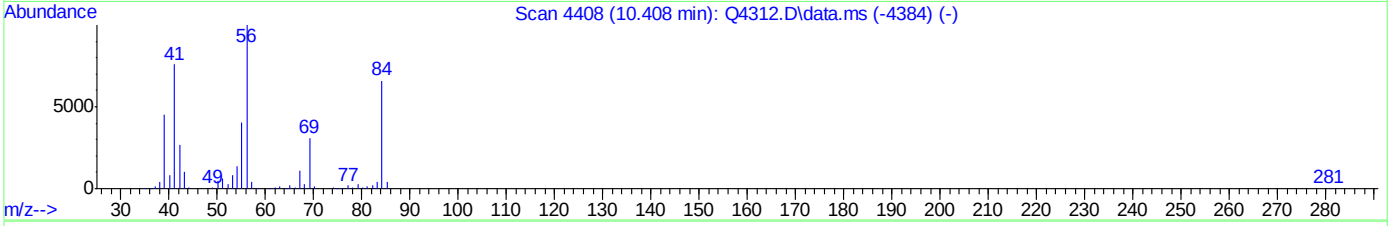
Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\
Data File : Q4334.D
Acq On : 20 Aug 2007 11:56 am
Operator : danat
Sample : ic230-0.5 (M065)
Misc : MS14080, MSQ230,,,,,1
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Aug 20 13:55:35 2007
Quant Method : C:\msdchem\1\METHODS\Q082007T.m
Quant Title : TO15 by GCMS w/DB-1 60 m X .25 mm ID 1.0 um
QLast Update : Mon Aug 20 13:55:19 2007
Response via : Initial Calibration







TIC: Q4334.D\data.ms

(37) CYCLOHEXANE (m)

10.410min (+0.002) 0.26PPBV m

response 11584

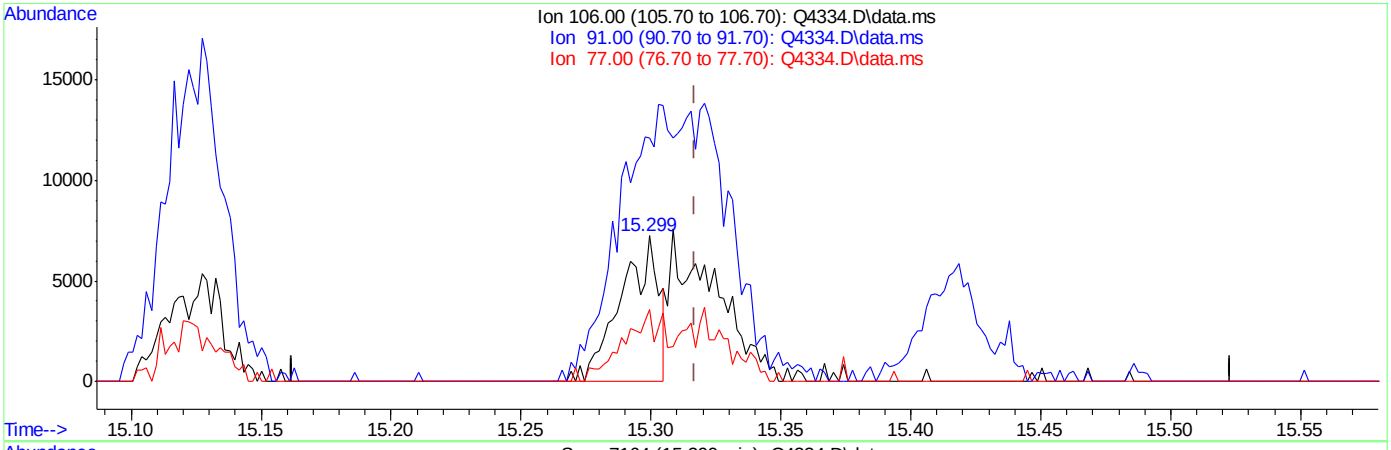
Ion	Exp%	Act%
84.00	100	100
56.00	155.60	143.67
69.00	44.40	26.23
0.00	0.00	0.00

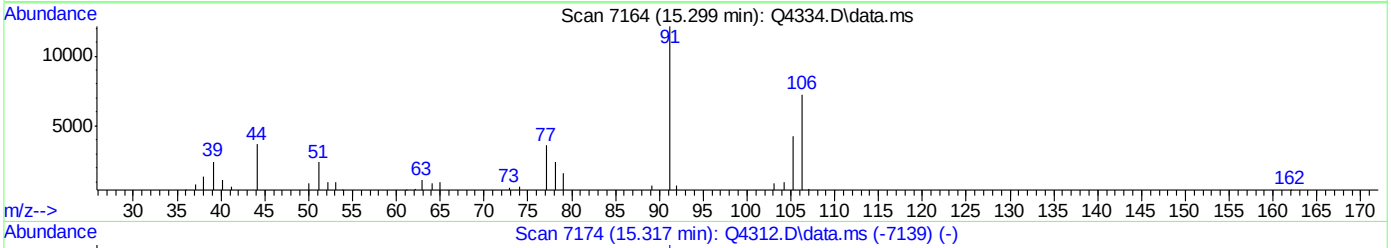
ACCUTEST Laboratories M67589

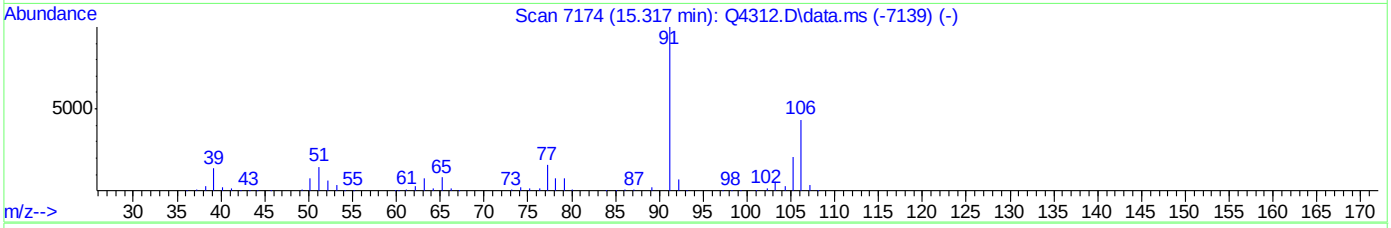
Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\
Data File : Q4334.D
Acq On : 20 Aug 2007 11:56 am
Operator : danat
Sample : ic230-0.5 (M065)
Misc : MS14080, MSQ230,,,,,1
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Aug 20 13:55:35 2007
Quant Method : C:\msdchem\1\METHODS\Q082007T.m
Quant Title : TO15 by GCMS w/DB-1 60 m X .25 mm ID 1.0 um
QLast Update : Mon Aug 20 13:55:19 2007
Response via : Initial Calibration







TIC: Q4334.D\data.ms

(56) m,p-XYLENE (m)

15.299min (-0.018) 0.18PPBV

response 7309

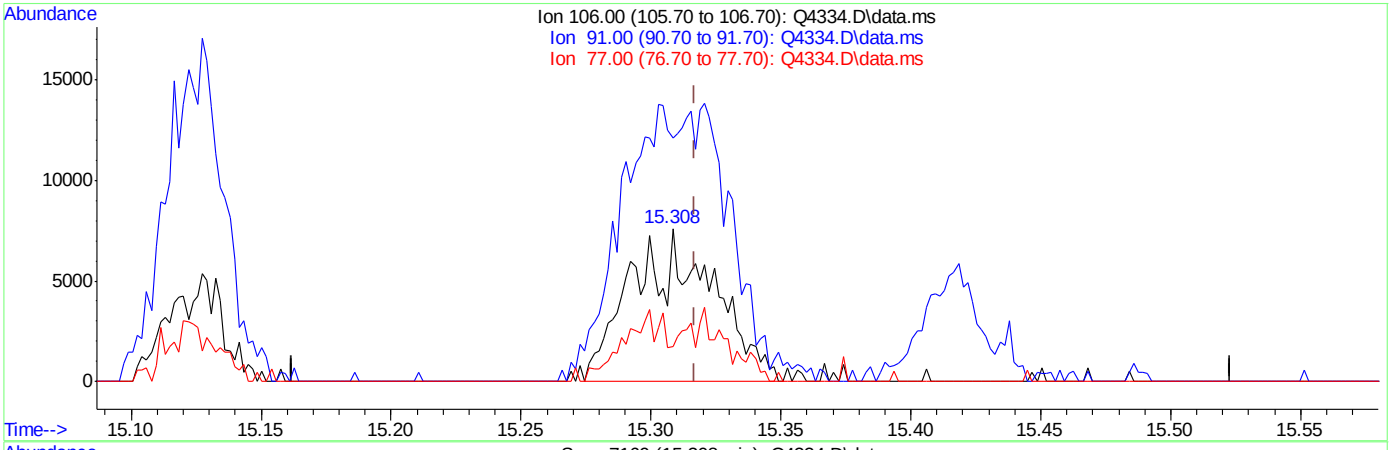
Ion	Exp%	Act%
106.00	100	100
91.00	231.70	167.17#
77.00	36.50	49.50#
0.00	0.00	0.00

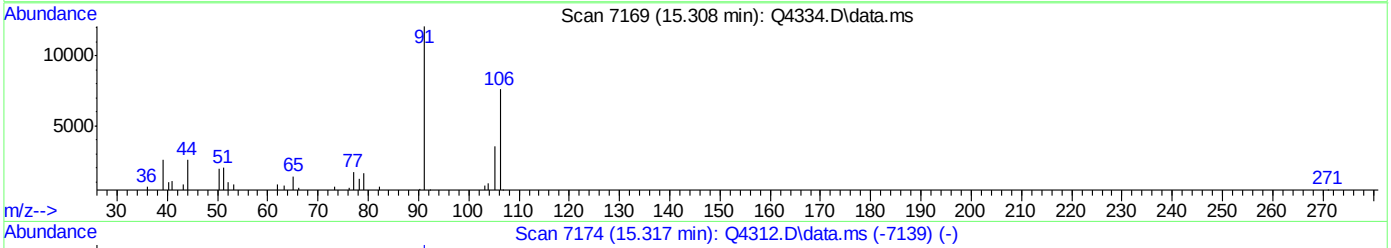
ACCUTEST Laboratories M67589

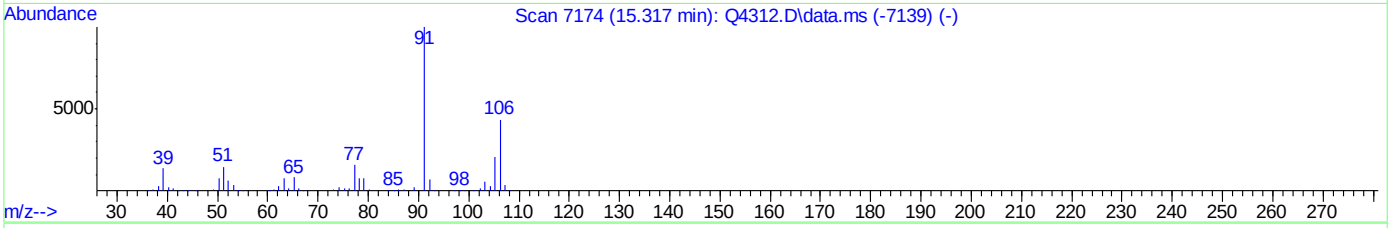
Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\
Data File : Q4334.D
Acq On : 20 Aug 2007 11:56 am
Operator : danat
Sample : ic230-0.5 (M065)
Misc : MS14080, MSQ230,,,,,1
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Aug 20 13:55:35 2007
Quant Method : C:\msdchem\1\METHODS\Q082007T.m
Quant Title : TO15 by GCMS w/DB-1 60 m X .25 mm ID 1.0 um
QLast Update : Mon Aug 20 13:55:19 2007
Response via : Initial Calibration







TIC: Q4334.D\data.ms

(56) m,p-XYLENE (m)

15.308min (-0.009) 0.41PPBV m

response 16542

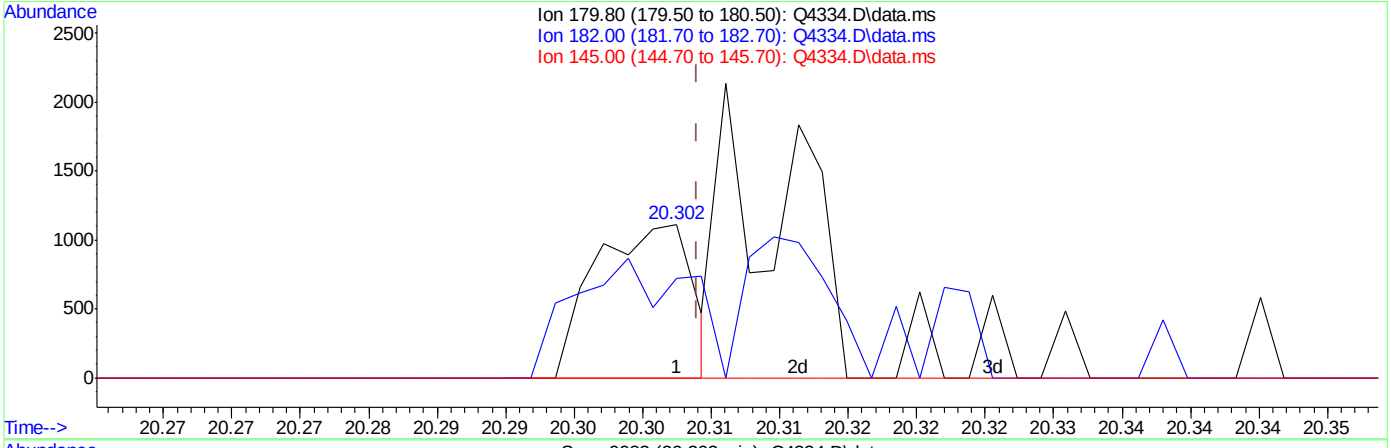
Ion	Exp%	Act%
106.00	100	100
91.00	231.70	158.85#
77.00	36.50	22.74#
0.00	0.00	0.00

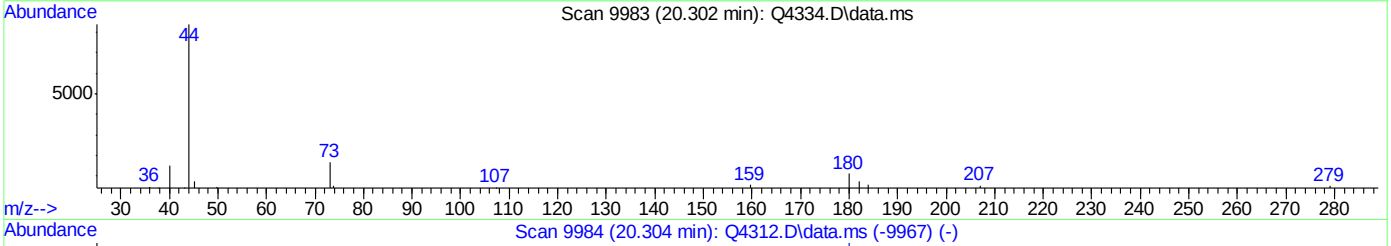
ACCUTEST Laboratories M67589

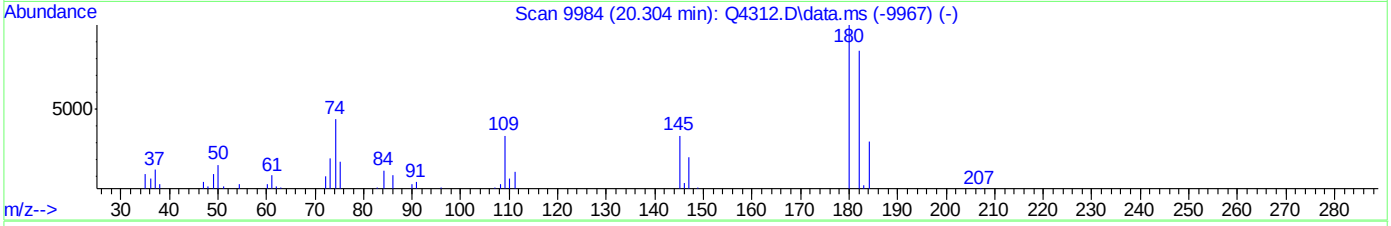
Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\
Data File : Q4334.D
Acq On : 20 Aug 2007 11:56 am
Operator : danat
Sample : ic230-0.5 (M065)
Misc : MS14080, MSQ230,,,,,1
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Aug 20 13:55:35 2007
Quant Method : C:\msdchem\1\METHODS\Q082007T.m
Quant Title : TO15 by GCMS w/DB-1 60 m X .25 mm ID 1.0 um
QLast Update : Mon Aug 20 13:55:19 2007
Response via : Initial Calibration







TIC: Q4334.D\data.ms

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

20.302min (-0.002) 0.12PPBV

response 552

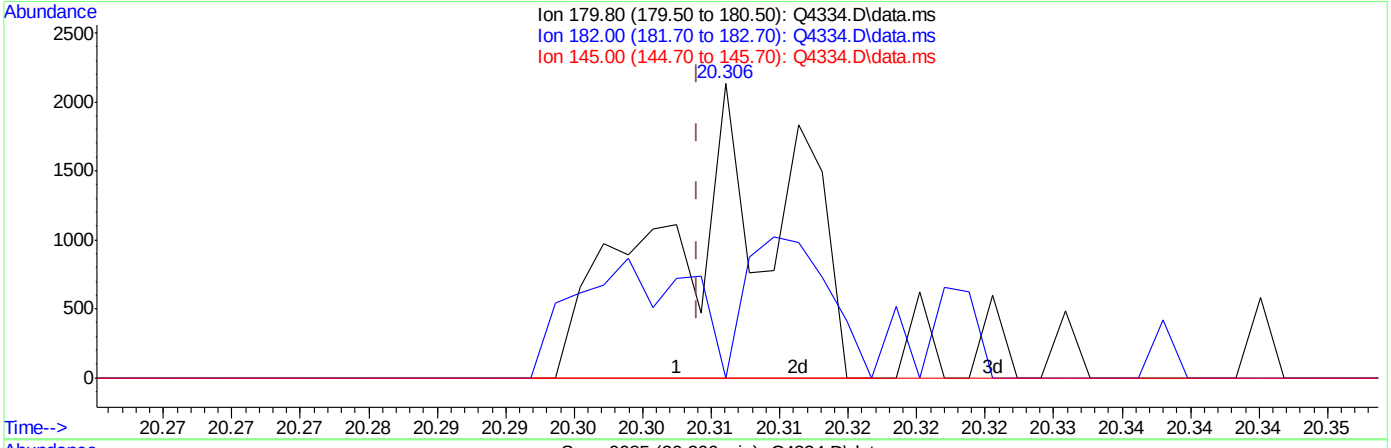
Ion	Exp%	Act%
179.80	100	100
182.00	96.80	0.00#
145.00	31.50	0.00#
0.00	0.00	0.00

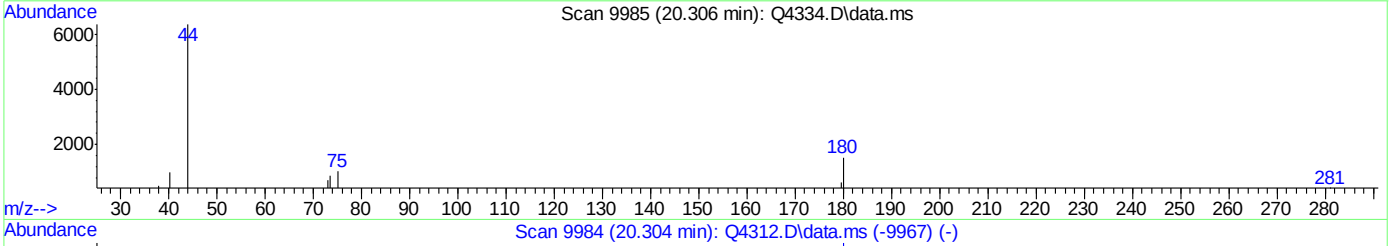
ACCUTEST Laboratories M67589

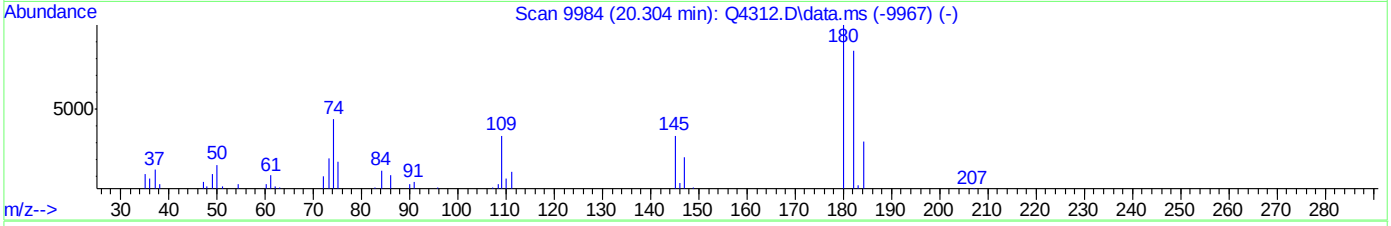
Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\
Data File : Q4334.D
Acq On : 20 Aug 2007 11:56 am
Operator : danat
Sample : ic230-0.5 (M065)
Misc : MS14080, MSQ230,,,,,1
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Aug 20 13:55:35 2007
Quant Method : C:\msdchem\1\METHODS\Q082007T.m
Quant Title : TO15 by GCMS w/DB-1 60 m X .25 mm ID 1.0 um
QLast Update : Mon Aug 20 13:55:19 2007
Response via : Initial Calibration







TIC: Q4334.D\data.ms

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

20.306min (+0.002) 0.29PPBV m

response 1298

Ion	Exp%	Act%
179.80	100	100
182.00	96.80	0.00#
145.00	31.50	0.00#
0.00	0.00	0.00

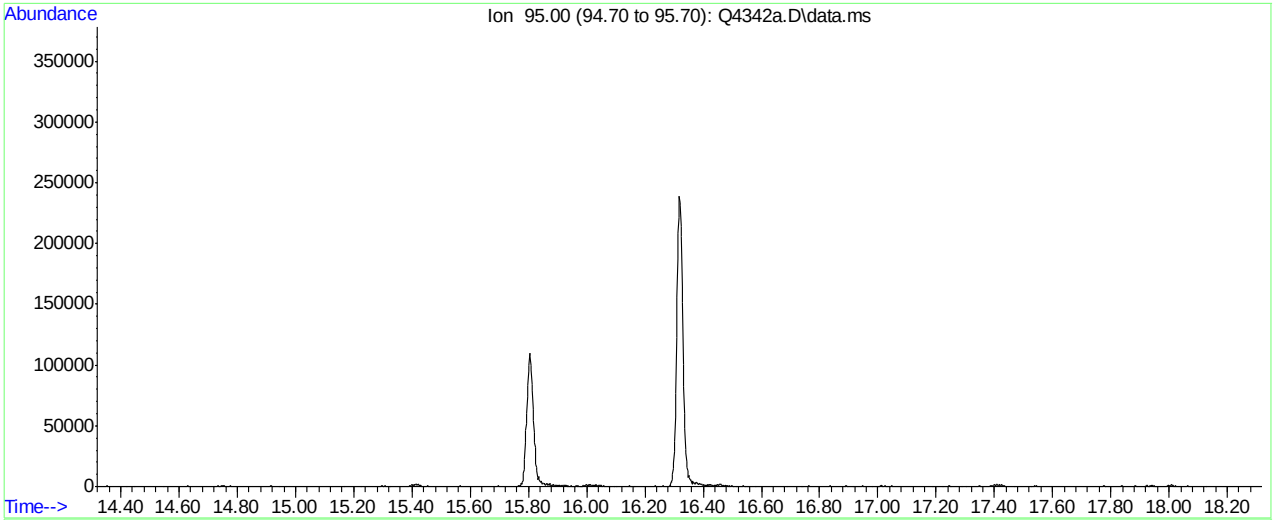
ACCUTEST Laboratories M67589

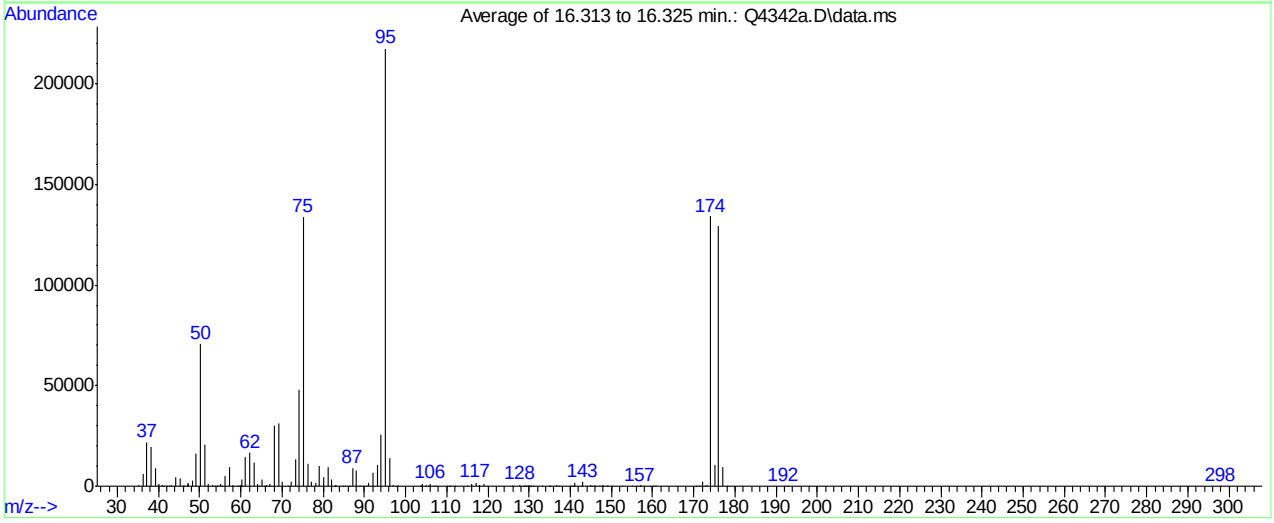
BFB

Data File : C:\msdchem\1\DATA\Q4342a.D
Acq On : 20 Aug 2007 5:49 pm
Sample : cc230-10 (M164)
Misc : MS14080, MSQ230,,,,,1
MS Integration Params: LSCINT.P

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

Method : C:\msdchem\1\METHODS\Q082007T.m (RTE Integrator)
Title : TO15 by GCMS w/DB-1 60 m X .25 mm ID 1.0 um





Spectrum Information: Average of 16.313 to 16.325 min.

Target Mass	Rel. to Mass	Lower Limit%	Upper Limit%	Rel. Abn%	Raw Abn	Result Pass/Fail
50	95	8	40	32.5	70636	PASS
75	95	30	66	61.5	133773	PASS
95	95	100	100	100.0	217632	PASS
96	95	5	9	6.5	14127	PASS
173	174	0.00	2	0.3	462	PASS
174	95	50	120	61.6	134158	PASS
175	174	4	9	8.1	10839	PASS
176	174	93	101	96.4	129317	PASS
177	176	5	9	7.2	9255	PASS

Q4342a.D Q082007T.m Tue Aug 21 16:13:40 2007 RPT1

Average of 16.313 to 16.325 min.: Q4342a.D\data.ms
cc230-10 (M164)

m/z	abund.	m/z	abund.	m/z	abund.	m/z	abund.
35.15	419	43.05	736	50.15	70636	58.05	475
36.15	6242	44.15	4222	51.15	20574	59.10	77
37.20	22015	45.15	3666	52.10	1286	59.45	110
38.15	19375	45.90	56	53.10	540	59.90	343
39.20	8765	46.00	70	53.80	54	60.10	3275
39.90	164	46.15	257	54.10	72	60.30	230
40.10	918	47.05	744	54.30	62	61.10	14761
40.90	380	47.10	1331	55.10	1127	62.15	16517
41.25	213	47.20	1804	55.30	159	63.15	11988
41.85	227	48.10	2748	56.10	5150	64.10	1398
42.50	64	49.15	15958	57.10	9474	64.40	175

Average of 16.313 to 16.325 min.: Q4342a.D\data.ms
cc230-10 (M164)

m/z	abund.	m/z	abund.	m/z	abund.	m/z	abund.
65.10	3395	74.15	47996	83.05	419	93.15	10350
65.70	56	75.15	133773	84.80	56	94.10	25509
66.10	335	76.15	11099	85.30	88	95.15	217632
66.70	77	77.00	2129	86.25	252	96.15	14127
67.10	986	78.15	1667	87.10	9056	97.05	694
68.15	29976	79.05	9852	88.05	7946	97.90	57
69.20	31081	80.00	4211	88.80	156	98.10	58
70.10	1976	81.05	9746	89.70	64	103.40	96
71.30	84	82.05	3431	90.40	62	103.70	174
72.10	2106	82.80	122	91.00	1893	103.95	1081
73.15	13144	82.90	177	92.10	6797	104.75	274

Average of 16.313 to 16.325 min.: Q4342a.D\data.ms
cc230-10 (M164)

m/z	abund.	m/z	abund.	m/z	abund.	m/z	abund.
105.00	58	117.00	1712	130.30	69	140.90	251
105.30	85	117.90	825	130.60	54	141.05	1533
106.05	1151	119.00	1145	130.90	117	142.80	243
106.85	168	119.80	130	133.30	58	143.05	2130
107.20	101	125.90	51	134.80	153	144.00	61
110.00	65	127.85	773	135.05	282	144.95	661
110.60	93	128.50	57	136.80	357	145.20	160
110.90	52	128.85	130	137.20	55	145.80	67
111.90	247	129.10	64	140.00	59	146.00	105
114.85	227	129.50	51	140.20	98	147.20	72
116.00	878	129.90	680	140.80	148	147.80	133

Average of 16.313 to 16.325 min.: Q4342a.D\data.ms
cc230-10 (M164)

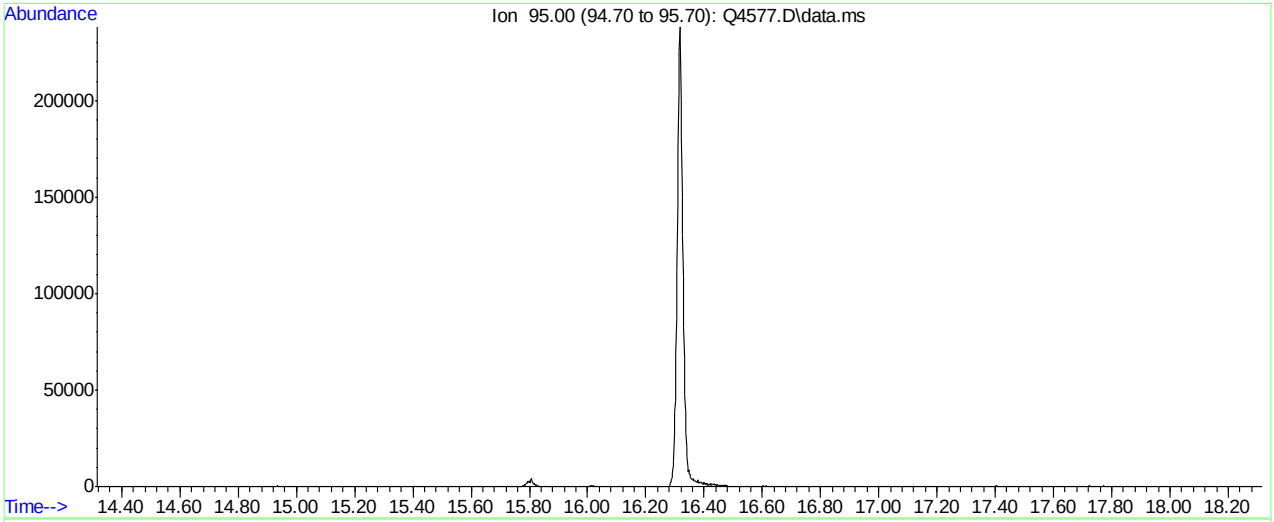
m/z	abund.	m/z	abund.	m/z	abund.	m/z	abund.
147.95	375	160.20	58	178.00	59		
148.90	63	160.80	50	191.90	108		
149.10	92	170.60	50	192.80	50		
150.00	67	171.30	51	298.00	60		
152.50	74	172.05	2071				
154.85	278	172.60	67				
156.15	112	173.10	462				
156.80	54	174.10	134158				
157.10	369	175.05	10839				
158.10	52	176.05	129317				
159.20	69	177.00	9255				

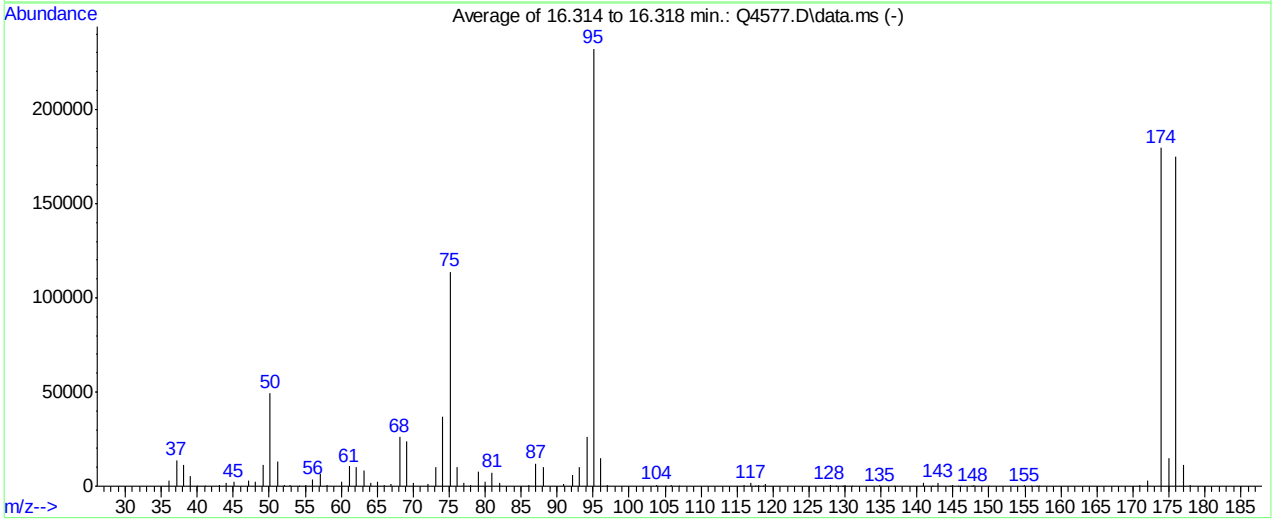
BFB

Data File : C:\msdchem\1\DATA\Q4577.D
Acq On : 13 Sep 2007 9:03 am
Sample : ic241-0.5 (M174)
Misc : MS14279,MSQ241,,,,,1
MS Integration Params: LSCINT.P

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

Method : C:\msdchem\1\METHODS\Q091307T.m (RTE Integrator)
Title : TO15 by GCMS w/DB-1 60 m X .25 mm ID 1.0 um





AutoFind: Scans 7736, 7737, 7738; Background Corrected with Scan 7714

Target Mass	Rel. to Mass	Lower Limit%	Upper Limit%	Rel. Abn%	Raw Abn	Result Pass/Fail
50	95	8	40	21.3	49464	PASS
75	95	30	66	48.9	113706	PASS
95	95	100	100	100.0	232341	PASS
96	95	5	9	6.3	14664	PASS
173	174	0.00	2	0.0	0	PASS
174	95	50	120	77.3	179648	PASS
175	174	4	9	8.5	15186	PASS
176	174	93	101	97.4	174912	PASS
177	176	5	9	6.5	11443	PASS

Q4577.D Q091307T.m Thu Sep 13 16:53:30 2007 RPT1

Average of 16.314 to 16.318 min.: Q4577.D\data.ms
ic241-0.5 (M174)
Modified:subtracted

m/z	abund.	m/z	abund.	m/z	abund.	m/z	abund.
36.10	2888	49.10	11048	61.10	10694	73.10	10374
37.10	13822	50.10	49464	62.10	10047	74.10	36661
38.10	11150	51.10	13271	63.10	8277	75.10	113706
39.10	5322	52.05	563	64.15	1738	76.15	10122
40.00	135	52.95	453	65.10	2351	77.05	1863
41.00	146	54.10	141	65.95	340	77.95	858
43.00	529	55.05	666	66.95	1007	79.00	7570
44.00	1574	56.05	3678	68.10	25949	80.00	2434
45.05	2157	57.10	6447	69.10	23853	81.00	7430
47.15	3007	58.10	338	70.10	1834	81.95	1997
48.05	2163	60.10	2246	72.10	1147	86.10	701

Average of 16.314 to 16.318 min.: Q4577.D\data.ms
ic241-0.5 (M174)
Modified:subtracted

m/z	abund.	m/z	abund.	m/z	abund.	m/z	abund.
87.05	12039	105.80	511	129.95	508	147.60	134
88.05	10173	107.00	156	130.90	182	147.90	330
90.85	1017	115.90	635	134.85	349	149.90	140
92.10	6137	116.95	1551	136.80	155	154.95	522
93.10	9993	117.60	276	140.95	1652	155.90	185
94.10	26018	118.00	533	142.10	155	156.70	236
95.10	232341	118.70	246	142.95	2016	156.90	143
96.10	14664	119.00	1176	144.70	300	170.90	439
97.05	404	127.95	632	144.95	780	172.05	3291
103.85	836	128.80	203	145.80	167	174.00	179648
105.10	199	129.70	268	146.00	187	175.05	15186

Average of 16.314 to 16.318 min.: Q4577.D\data.ms
ic241-0.5 (M174)
Modified:subtracted

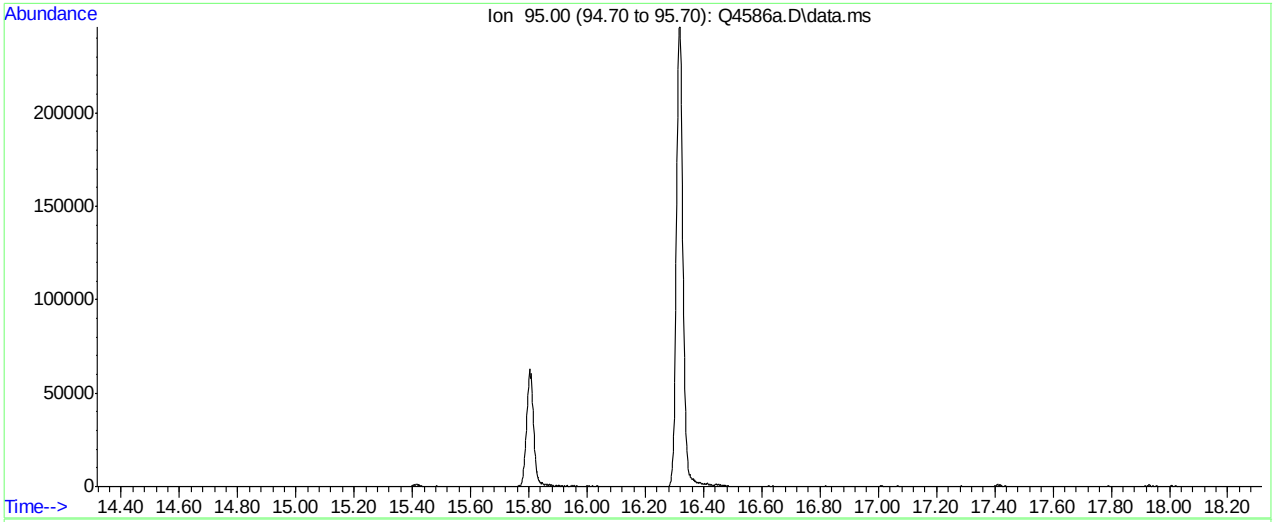
m/z	abund.	m/z	abund.	m/z	abund.	m/z	abund.
176.00	174912						
177.00	11443						
177.95	410						

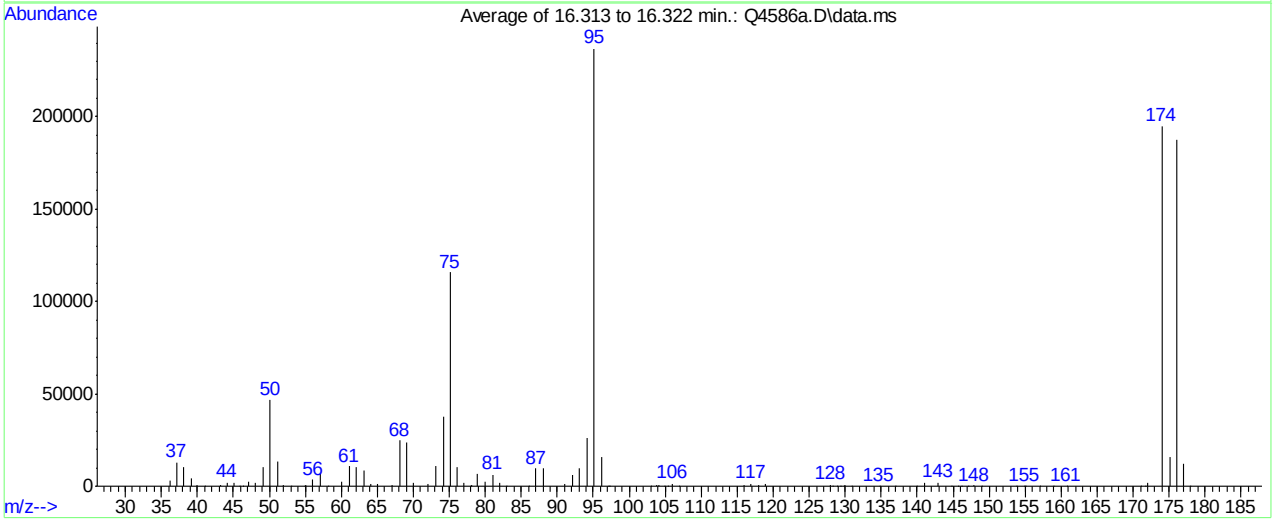
BFB

Data File : C:\msdchem\1\DATA\Q4586a.D
Acq On : 13 Sep 2007 3:45 pm
Sample : cc241-10 (M020)
Misc : MS14279,MSQ241,,,,,1
MS Integration Params: LSCINT.P

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

Method : C:\msdchem\1\METHODS\Q091307T.m (RTE Integrator)
Title : TO15 by GCMS w/DB-1 60 m X .25 mm ID 1.0 um





Spectrum Information: Average of 16.313 to 16.322 min.

Target Mass	Rel. to Mass	Lower Limit%	Upper Limit%	Rel. Abn%	Raw Abn	Result Pass/Fail
50	95	8	40	19.7	46725	PASS
75	95	30	66	48.9	115832	PASS
95	95	100	100	100.0	236949	PASS
96	95	5	9	6.7	15880	PASS
173	174	0.00	2	0.0	0	PASS
174	95	50	120	82.2	194890	PASS
175	174	4	9	8.0	15674	PASS
176	174	93	101	96.2	187498	PASS
177	176	5	9	6.5	12201	PASS

Q4586a.D Q091307T.m Fri Sep 14 09:24:07 2007 RPT1

Average of 16.313 to 16.322 min.: Q4586a.D\data.ms
cc241-10 (M020)

m/z	abund.	m/z	abund.	m/z	abund.	m/z	abund.
36.15	2961	47.05	2429	58.25	169	72.10	1413
37.10	12847	48.05	1627	60.05	2609	73.10	10782
38.10	10409	49.10	10451	61.10	10714	74.15	37757
39.10	4377	50.10	46725	62.05	10278	75.10	115832
40.00	752	51.10	13265	63.10	8359	76.10	10083
41.10	71	52.00	691	64.10	969	77.05	1564
43.15	467	53.00	76	65.05	1278	78.00	195
44.10	2130	54.90	77	67.05	420	78.15	851
45.05	1974	55.05	642	68.10	24768	78.95	6597
45.95	173	56.05	3569	69.10	23493	80.00	2281
46.40	80	57.05	6693	70.05	1841	81.00	6303

Average of 16.313 to 16.322 min.: Q4586a.D\data.ms
cc241-10 (M020)

m/z	abund.	m/z	abund.	m/z	abund.	m/z	abund.
81.95	1623	97.10	116	117.95	839	140.00	67
82.95	276	97.30	67	118.95	1006	140.95	1625
86.10	242	103.10	73	127.95	630	142.90	1963
87.05	9525	103.85	454	128.20	90	144.80	86
88.05	9469	104.05	491	128.95	150	145.70	86
91.10	1441	104.95	268	129.30	98	146.10	161
92.05	6152	105.30	85	129.75	261	147.10	94
93.05	9688	106.05	1234	129.95	494	147.90	436
94.10	26257	106.90	145	130.85	326	148.90	76
95.10	236949	115.90	862	134.75	203	153.85	176
96.10	15880	116.95	1423	137.00	149	154.90	292

Average of 16.313 to 16.322 min.: Q4586a.D\data.ms
cc241-10 (M020)

m/z	abund.	m/z	abund.	m/z	abund.	m/z	abund.
155.10	113	177.90	99				
157.00	143						
158.90	94						
160.80	74						
171.00	79						
171.70	129						
172.05	1768						
174.00	194890						
175.05	15674						
176.00	187498						
177.05	12201						

Manual Integrations APPROVED (compounds with "m" flag)
Philip Bassignani
08/29/07 08:52

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\
Data File : Q4334.D
Acq On : 20 Aug 2007 11:56 am
Operator : danat
Sample : ic230-0.5 (M065)
Misc : MS14080, MSQ230,,,,,1
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Aug 20 13:58:46 2007
Quant Method : C:\msdchem\1\METHODS\Q082007T.m
Quant Title : TO15 by GCMS w/DB-1 60 m X .25 mm ID 1.0 um
QLast Update : Mon Aug 20 13:55:19 2007
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) BROMOCHLOROMETHANE	8.628	128	325632	10.00	PPBV	0.00
35) 1,4-DIFLUOROBENZENE	10.458	114	1468213	10.00	PPBV	0.00
49) CHLOROBENZENE-D5	14.701	117	1079543	10.00	PPBV	0.00

System Monitoring Compounds

61) 4-BROMOFLUOROBENZENE	16.320	95	311930	4.45	PPBV	0.00

Spiked Amount 5.000 Range 57 - 139 Recovery = 89.00%

Target Compounds						Qvalue
2) DICHLORODIFLUOROMETHANE	4.037	85	95062	0.47	PPBV	98
3) PROPYLENE	3.967	41	16670	0.44	PPBV	87
4) FREON 114	4.292	85	89485	0.50	PPBV	98
5) CHLOROMETHANE	4.202	50	30763	0.54	PPBV	78
6) VINYL CHLORIDE	4.425	62	28421	0.50	PPBV	94
7) 1,3-BUTADIENE	4.557	39	26672	0.47	PPBV	99
8) BROMOMETHANE	4.834	94	27656	0.52	PPBV #	57
9) CHLOROETHANE	5.016	64	14301m	0.59	PPBV	
10) TRICHLOROFLUOROMETHANE	5.788	101	93690	0.49	PPBV	97
11) ISOPROPYL ALCOHOL	5.840	45	48895	0.53	PPBV	87
12) ACETONE	5.609	43	82434	0.75	PPBV	99
13) PENTANE	6.136	42	40571	0.52	PPBV #	12
14) 1,1-DICHLOROETHYLENE	6.420	96	24348	0.45	PPBV	96
15) CARBON DISULFIDE	6.851	76	91208	0.46	PPBV	91
16) ETHANOL	5.103	45	13086	0.69	PPBV	82
17) BROMOETHENE	5.373	106	20593	0.44	PPBV	99
18) METHYLENE CHLORIDE	6.530	84	63313	0.75	PPBV	94
19) 3-CHLOROPROPENE	6.654	39	36148	0.60	PPBV	91
20) FREON 113	6.800	151	46355	0.49	PPBV	93
21) TRANS-1,2-DICHLOROETHY...	7.464	96	24849	0.48	PPBV	93
22) TERTIARY BUTYL ALCOHOL	6.445	59	47324	0.49	PPBV	76
23) METHYL TERTIARY BUTYL ...	7.716	73	46546	0.45	PPBV	88
24) TETRAHYDROFURAN	9.159	42	12507	0.36	PPBV	77
25) HEXANE	8.660	57	36041	0.40	PPBV #	71
26) VINYL ACETATE	7.787	43	45552	0.48	PPBV #	75
27) 1,1-DICHLOROETHANE	7.666	63	71437	0.58	PPBV	98
28) METHYL ETHYL KETONE	8.044	43	36115	0.44	PPBV	99
29) cis-1,2-DICHLOROETHYLENE	8.467	96	14111	0.39	PPBV	92
30) ETHYL ACETATE	8.669	43	80868	0.46	PPBV #	98
31) CHLOROFORM	8.754	83	72019	0.54	PPBV	96
32) 1,1,1-TRICHLOROETHANE	9.700	97	66204	0.51	PPBV	100
33) CARBON TETRACHLORIDE	10.293	117	70958	0.48	PPBV	94
34) 1,2-DICHLOROETHANE	9.460	62	41547	0.51	PPBV	100
36) BENZENE	10.144	78	42647	0.38	PPBV	97
37) CYCLOHEXANE	10.410	84	11584m	0.26	PPBV	
38) TRICHLOROETHYLENE	11.138	95	23921	0.38	PPBV	92
39) 1,2-DICHLOROPROPANE	10.921	63	20362	0.46	PPBV	96
40) BROMODICHLOROMETHANE	11.106	83	56054	0.47	PPBV	97
41) 2,2,4-TRIMETHYLPENTANE	11.164	57	76584	0.36	PPBV	89
42) 1,4-DIOXANE	11.155	88	5101	0.26	PPBV #	1
43) HEPTANE	11.404	43	26504	0.33	PPBV	93

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\
Data File : Q4334.D
Acq On : 20 Aug 2007 11:56 am
Operator : danat
Sample : ic230-0.5 (M065)
Misc : MS14080, MSQ230,,,,,1
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Aug 20 13:58:46 2007
Quant Method : C:\msdchem\1\METHODS\Q082007T.m
Quant Title : TO15 by GCMS w/DB-1 60 m X .25 mm ID 1.0 um
QLast Update : Mon Aug 20 13:55:19 2007
Response via : Initial Calibration

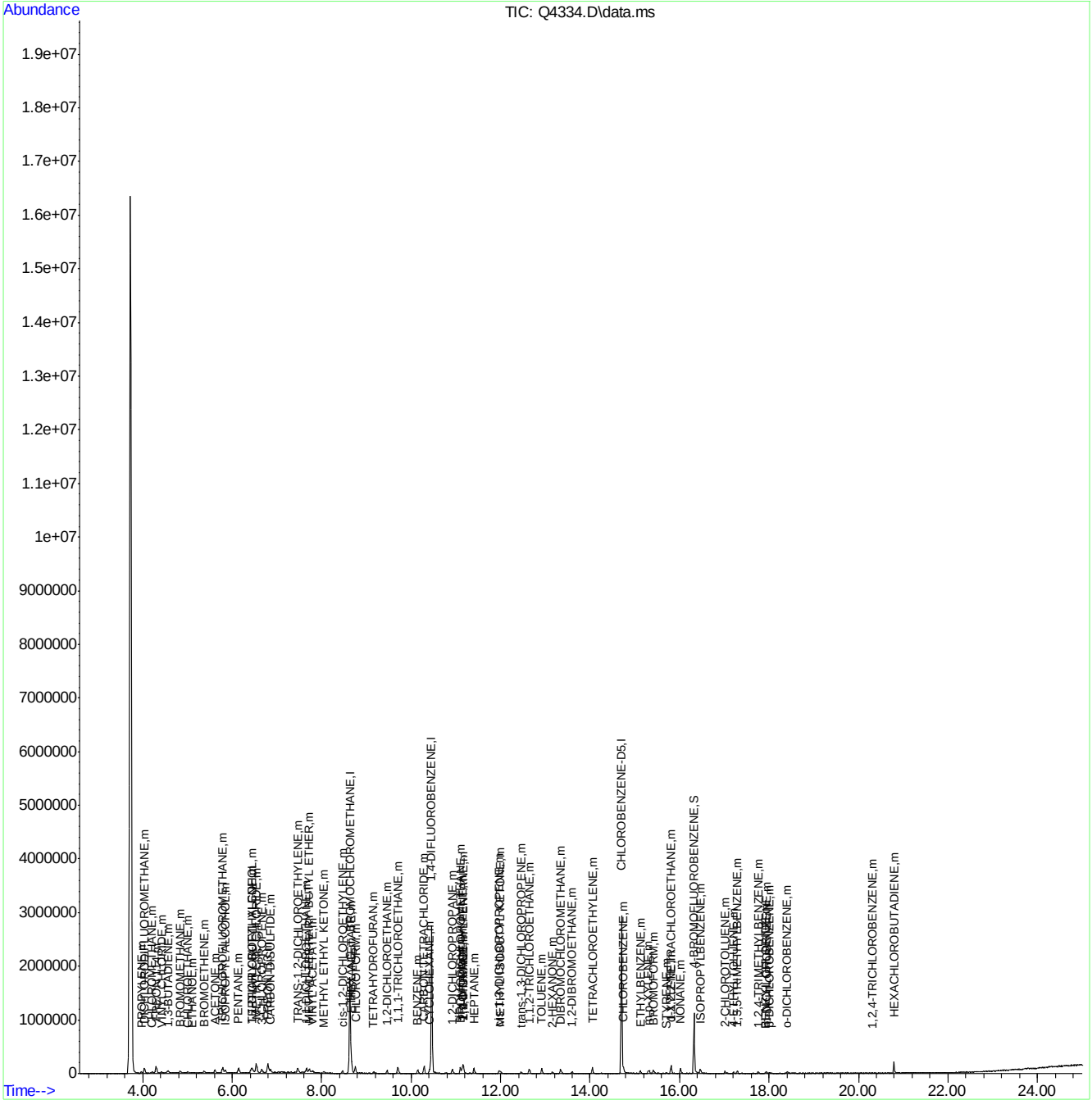
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) METHYL ISOBUTYL KETONE	11.981	43	26653	0.30	PPBV	90
45) cis-1,3-DICHLOROPROPENE	11.958	75	14044	0.30	PPBV #	82
46) TOLUENE	12.918	92	26793	0.37	PPBV	92
47) trans-1,3-DICHLOROPROPENE	12.463	75	9361	0.29	PPBV	88
48) 1,1,2-TRICHLOROETHANE	12.641	83	19801	0.47	PPBV	95
50) 2-HEXANONE	13.154	43	16404	0.29	PPBV	91
51) TETRACHLOROETHYLENE	14.046	164	16955	0.37	PPBV	97
52) DIBROMOCHLOROMETHANE	13.342	129	33223	0.42	PPBV	98
53) 1,2-DIBROMOETHANE	13.597	107	18350	0.38	PPBV	99
54) CHLOROBENZENE	14.740	112	32784	0.42	PPBV	97
55) ETHYLBENZENE	15.127	91	25689	0.22	PPBV	93
56) m,p-XYLENE	15.308	106	16542m	0.41	PPBV	
57) o-XYLENE	15.823	106	8586	0.21	PPBV	95
58) STYRENE	15.699	104	5484	0.16	PPBV	88
59) NONANE	16.018	43	25314	0.28	PPBV	95
60) BROMOFORM	15.418	173	21525	0.36	PPBV	96
62) 1,1,2,2-TETRACHLOROETHANE	15.805	83	43631	0.45	PPBV	99
63) ISOPROPYLBENZENE	16.462	105	32417	0.26	PPBV	94
64) 2-CHLOROTOLUENE	17.012	91	18854	0.22	PPBV	97
65) 4-ETHYLTOLUENE	17.206	105	14771	0.17	PPBV	95
66) 1,3,5-TRIMETHYLBENZENE	17.287	105	19907	0.20	PPBV	97
67) 1,2,4-TRIMETHYLBENZENE	17.757	105	12767	0.17	PPBV	93
68) m-DICHLOROBENZENE	17.935	146	7701	0.23	PPBV	90
69) BENZYL CHLORIDE	17.914	91	5778	0.20	PPBV	76
70) p-DICHLOROBENZENE	18.006	146	5094	0.21	PPBV	94
71) o-DICHLOROBENZENE	18.400	146	8325	0.24	PPBV	93
72) HEXACHLOROBUTADIENE	20.791	225	24524	0.55	PPBV	96
73) 1,2,4-TRICHLOROBENZENE	20.306	180	1298m	0.29	PPBV	

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

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\
Data File : Q4334.D
Acq On : 20 Aug 2007 11:56 am
Operator : danat
Sample : ic230-0.5 (M065)
Misc : MS14080, MSQ230,,,,,1
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Aug 20 13:58:46 2007
Quant Method : C:\msdchem\1\METHODS\Q082007T.m
Quant Title : TO15 by GCMS w/DB-1 60 m X .25 mm ID 1.0 um
QLast Update : Mon Aug 20 13:55:19 2007
Response via : Initial Calibration

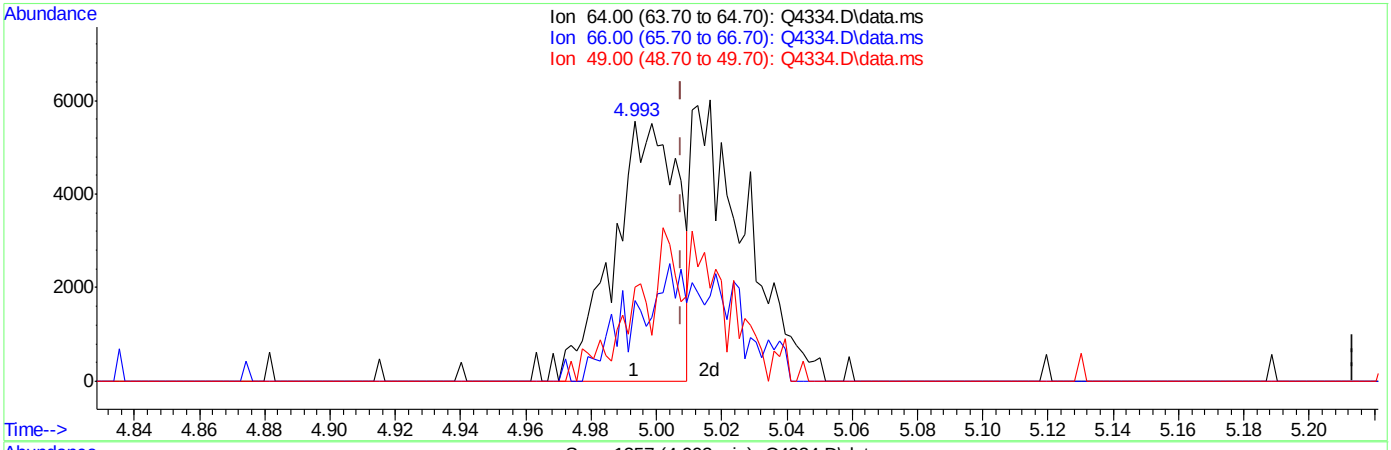


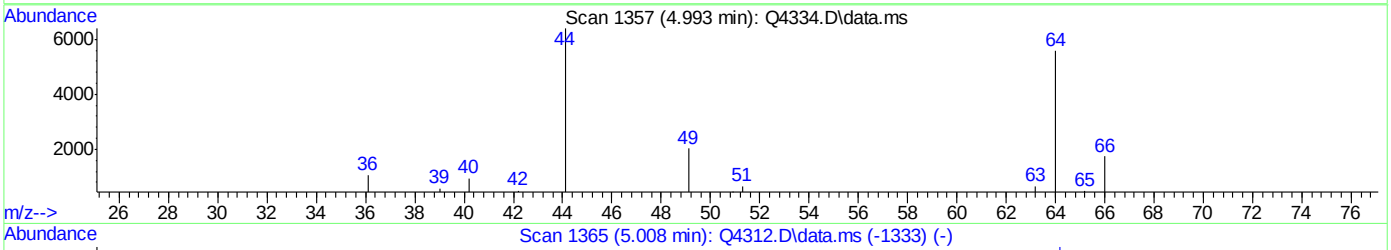
Q082007T.m Mon Aug 20 13:59:00 2007 RPT1 Page: 3

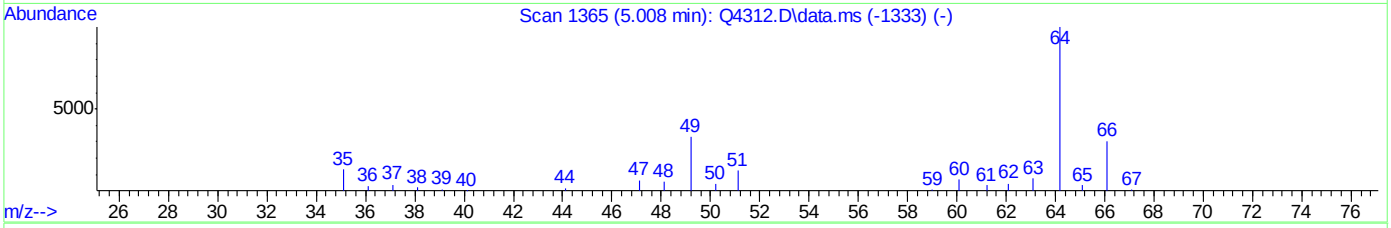
Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\
Data File : Q4334.D
Acq On : 20 Aug 2007 11:56 am
Operator : danat
Sample : ic230-0.5 (M065)
Misc : MS14080, MSQ230,,,,,1
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Aug 20 13:55:35 2007
Quant Method : C:\msdchem\1\METHODS\Q082007T.m
Quant Title : TO15 by GCMS w/DB-1 60 m X .25 mm ID 1.0 um
QLast Update : Mon Aug 20 13:55:19 2007
Response via : Initial Calibration







TIC: Q4334.D\data.ms

(9) CHLOROETHANE (m)

4.993min (-0.014) 0.31PPBV

response 7537

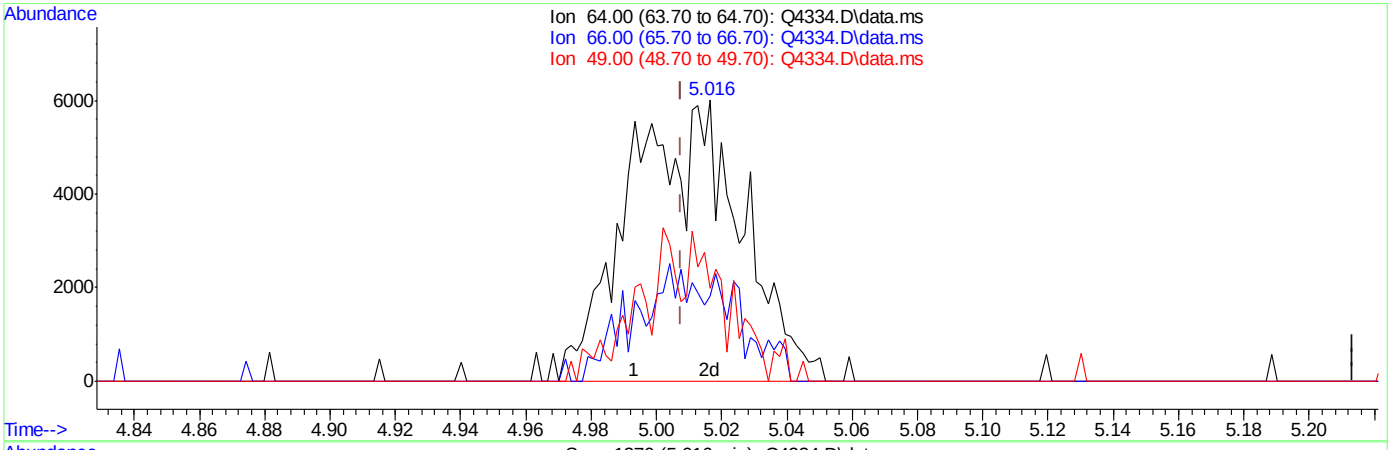
Ion	Exp%	Act%
64.00	100	100
66.00	31.30	67.64#
49.00	38.80	75.60#
0.00	0.00	0.00

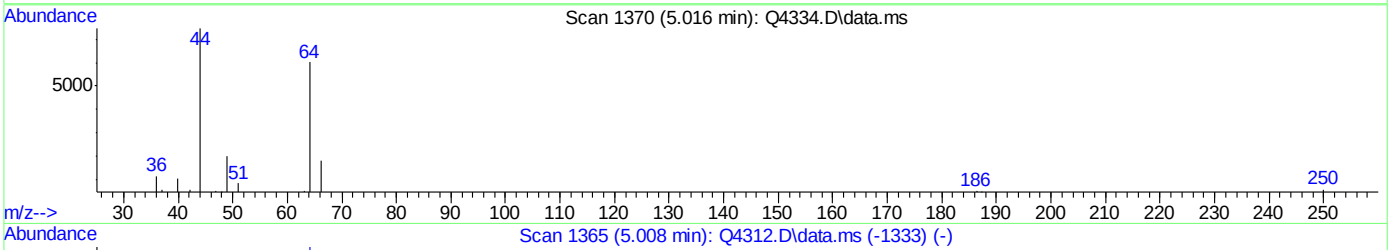
ACCUTEST Laboratories M67589

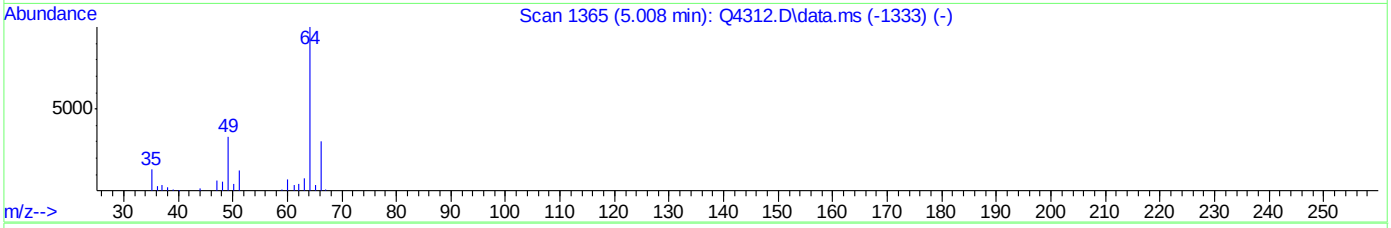
Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\
Data File : Q4334.D
Acq On : 20 Aug 2007 11:56 am
Operator : danat
Sample : ic230-0.5 (M065)
Misc : MS14080, MSQ230,,,,,1
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Aug 20 13:55:35 2007
Quant Method : C:\msdchem\1\METHODS\Q082007T.m
Quant Title : TO15 by GCMS w/DB-1 60 m X .25 mm ID 1.0 um
QLast Update : Mon Aug 20 13:55:19 2007
Response via : Initial Calibration







TIC: Q4334.D\data.ms

(9) CHLOROETHANE (m)

5.016min (+0.009) 0.59PPBV m

response 14301

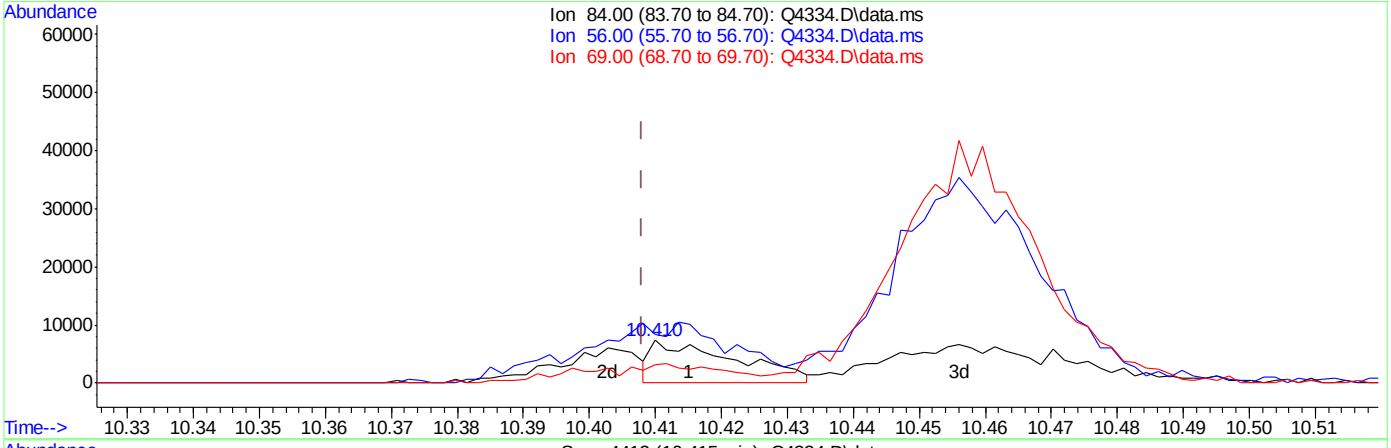
Ion	Exp%	Act%
64.00	100	100
66.00	31.30	35.65
49.00	38.80	39.84
0.00	0.00	0.00

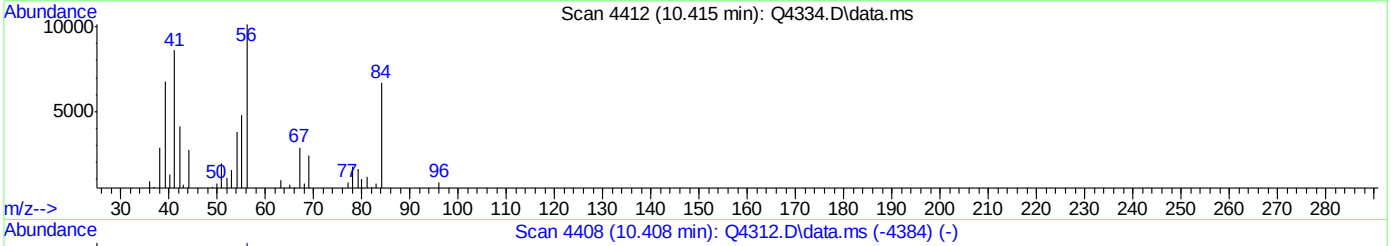
ACCUTEST Laboratories M67589

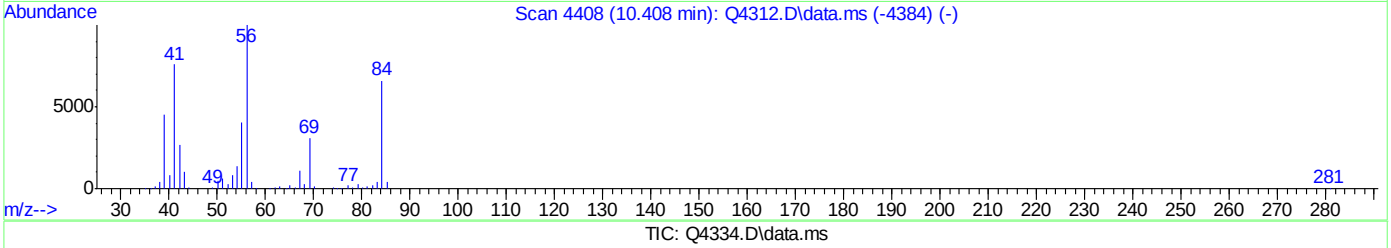
Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\
Data File : Q4334.D
Acq On : 20 Aug 2007 11:56 am
Operator : danat
Sample : ic230-0.5 (M065)
Misc : MS14080, MSQ230,,,,,1
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Aug 20 13:55:35 2007
Quant Method : C:\msdchem\1\METHODS\Q082007T.m
Quant Title : TO15 by GCMS w/DB-1 60 m X .25 mm ID 1.0 um
QLast Update : Mon Aug 20 13:55:19 2007
Response via : Initial Calibration







TIC: Q4334.D\data.ms

(37) CYCLOHEXANE (m)

10.415min (+0.007) 0.14PPBV

response 6451

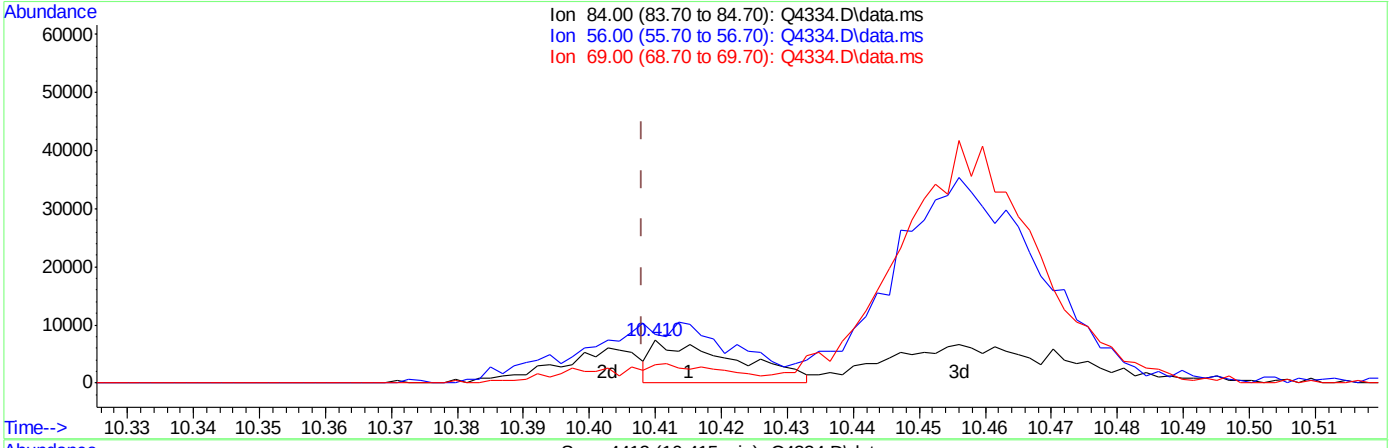
Ion	Exp%	Act%
84.00	100	100
56.00	155.60	257.99#
69.00	44.40	47.09
0.00	0.00	0.00

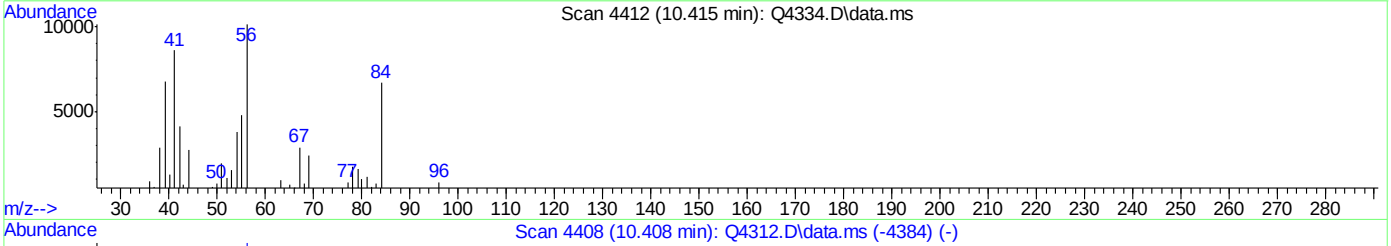
ACCUTEST Laboratories M67589

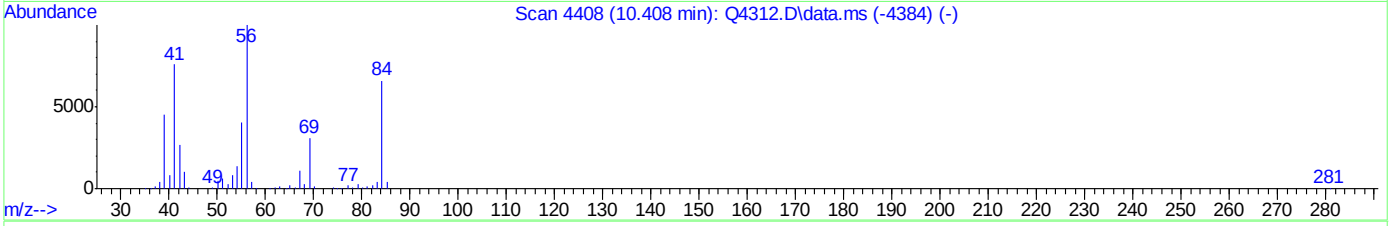
Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\
Data File : Q4334.D
Acq On : 20 Aug 2007 11:56 am
Operator : danat
Sample : ic230-0.5 (M065)
Misc : MS14080, MSQ230,,,,,1
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Aug 20 13:55:35 2007
Quant Method : C:\msdchem\1\METHODS\Q082007T.m
Quant Title : TO15 by GCMS w/DB-1 60 m X .25 mm ID 1.0 um
QLast Update : Mon Aug 20 13:55:19 2007
Response via : Initial Calibration







TIC: Q4334.D\data.ms

(37) CYCLOHEXANE (m)

10.415min (+0.007) 0.14PPBV

response 6451

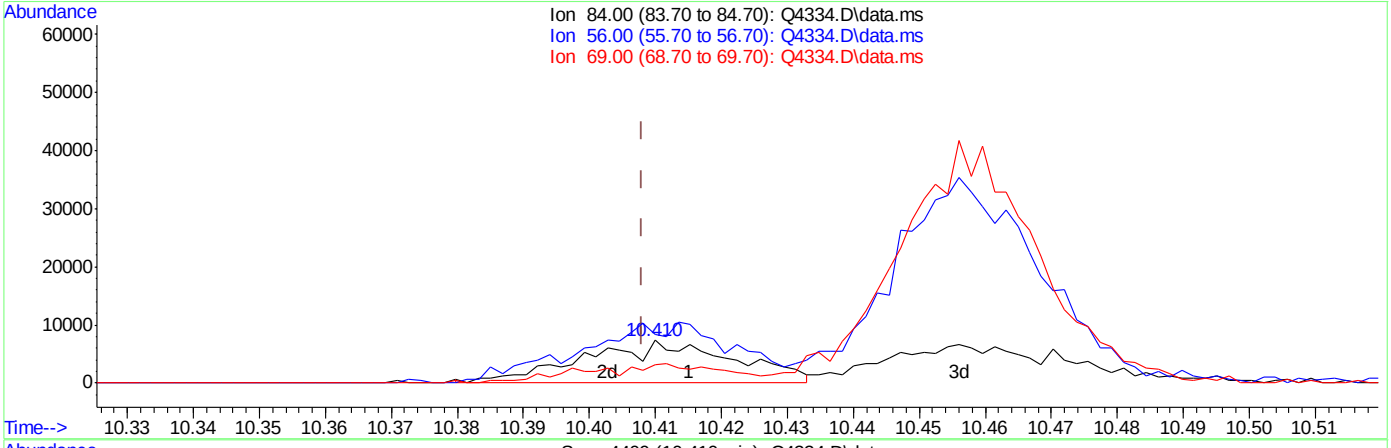
Ion	Exp%	Act%
84.00	100	100
56.00	155.60	257.99#
69.00	44.40	47.09
0.00	0.00	0.00

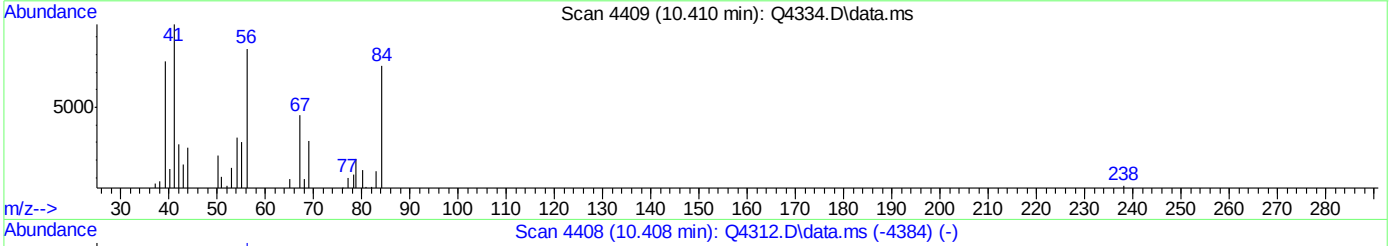
ACCUTEST Laboratories M67589

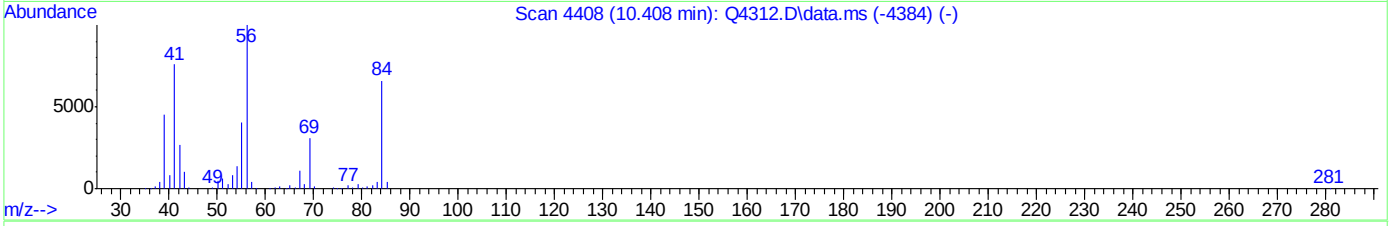
Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\
Data File : Q4334.D
Acq On : 20 Aug 2007 11:56 am
Operator : danat
Sample : ic230-0.5 (M065)
Misc : MS14080, MSQ230,,,,,1
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Aug 20 13:55:35 2007
Quant Method : C:\msdchem\1\METHODS\Q082007T.m
Quant Title : TO15 by GCMS w/DB-1 60 m X .25 mm ID 1.0 um
QLast Update : Mon Aug 20 13:55:19 2007
Response via : Initial Calibration







TIC: Q4334.D\data.ms

(37) CYCLOHEXANE (m)

10.410min (+0.002) 0.26PPBV m

response 11584

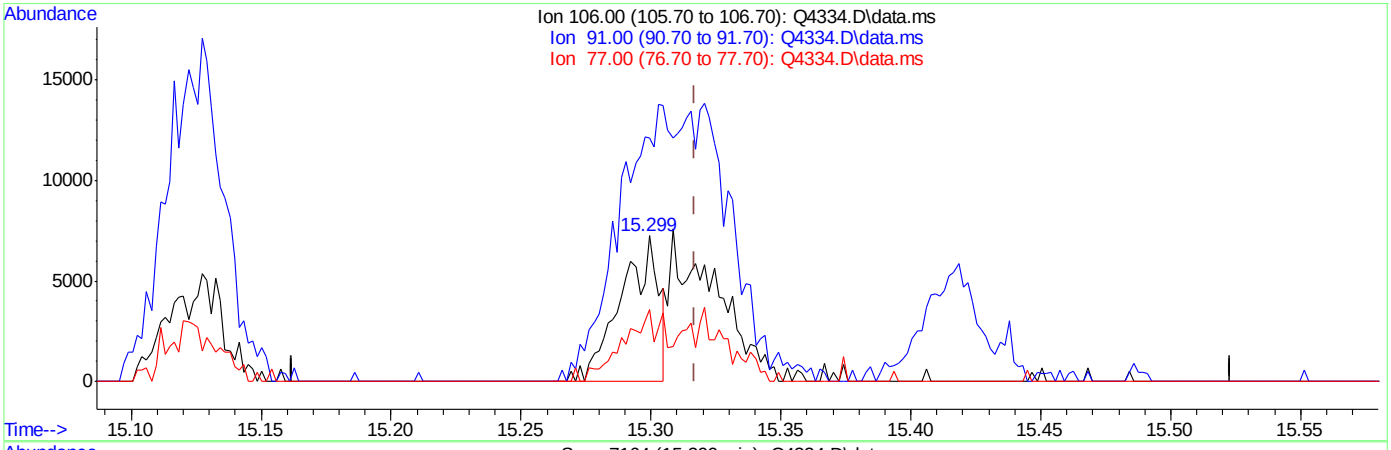
Ion	Exp%	Act%
84.00	100	100
56.00	155.60	143.67
69.00	44.40	26.23
0.00	0.00	0.00

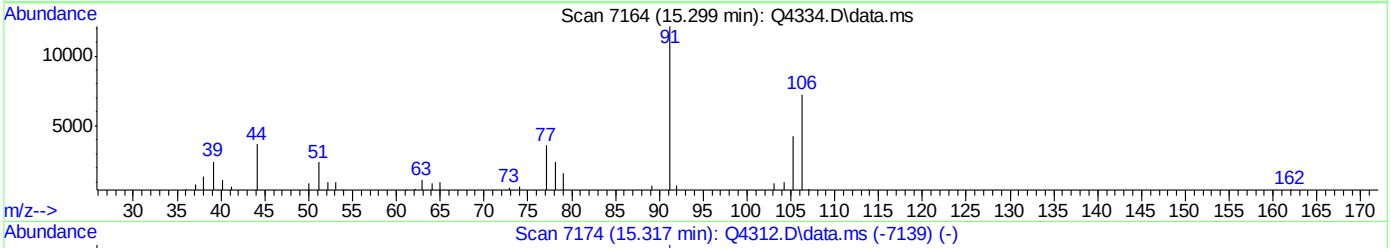
ACCUTEST Laboratories M67589

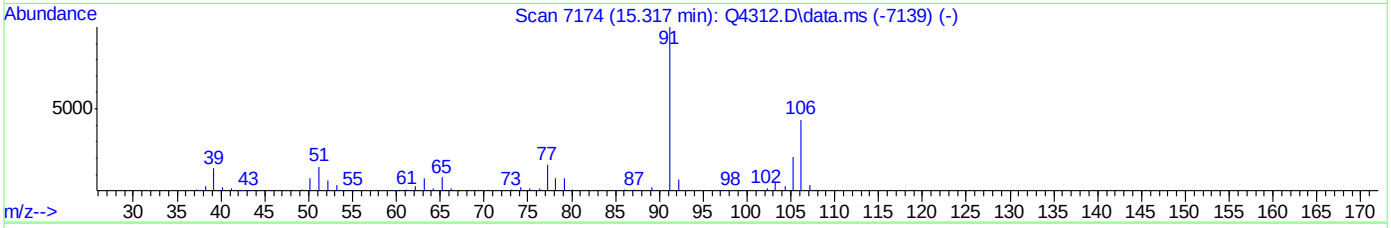
Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\
Data File : Q4334.D
Acq On : 20 Aug 2007 11:56 am
Operator : danat
Sample : ic230-0.5 (M065)
Misc : MS14080, MSQ230,,,,,1
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Aug 20 13:55:35 2007
Quant Method : C:\msdchem\1\METHODS\Q082007T.m
Quant Title : TO15 by GCMS w/DB-1 60 m X .25 mm ID 1.0 um
QLast Update : Mon Aug 20 13:55:19 2007
Response via : Initial Calibration







TIC: Q4334.D\data.ms

(56) m,p-XYLENE (m)

15.299min (-0.018) 0.18PPBV

response 7309

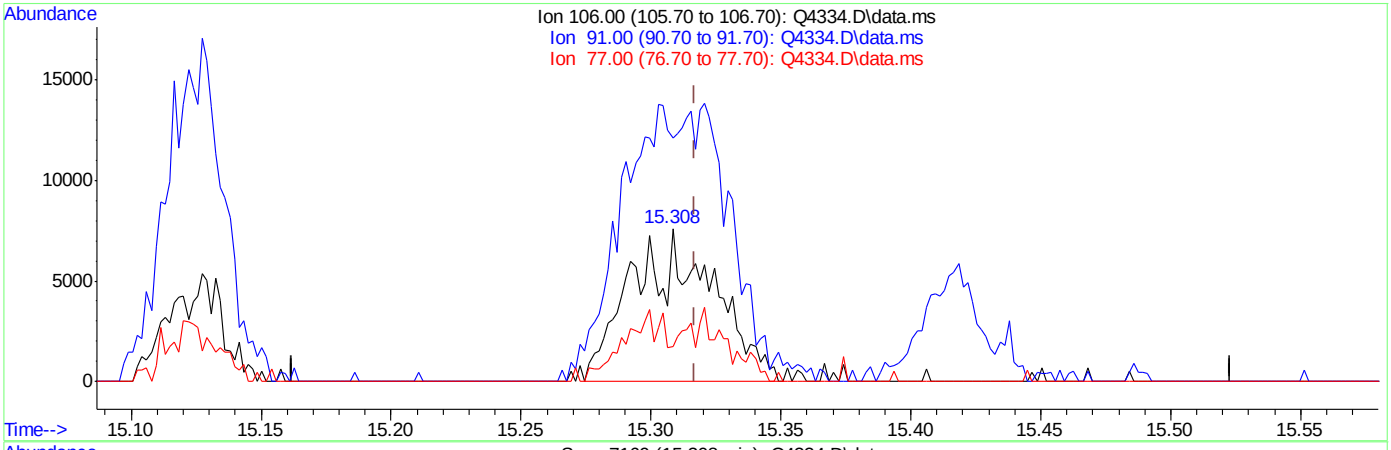
Ion	Exp%	Act%
106.00	100	100
91.00	231.70	167.17#
77.00	36.50	49.50#
0.00	0.00	0.00

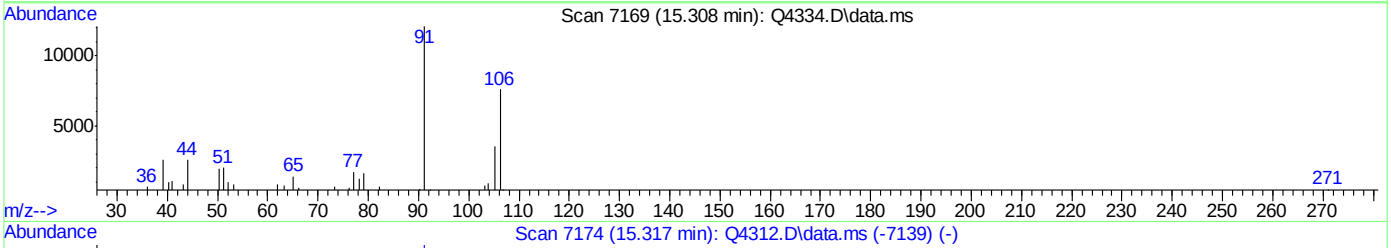
ACCUTEST Laboratories M67589

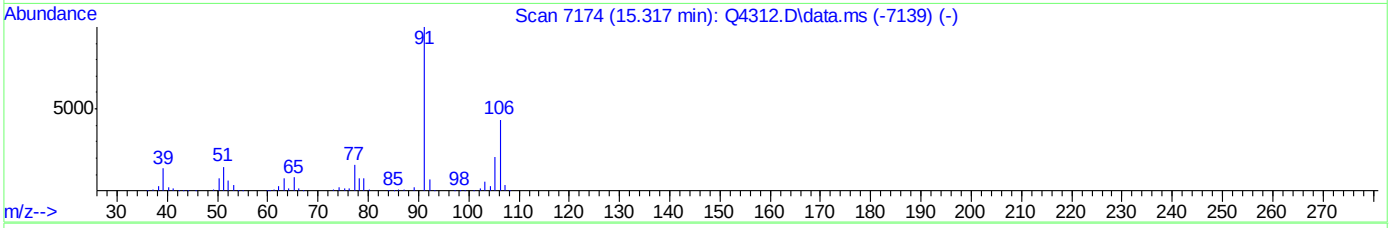
Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\
Data File : Q4334.D
Acq On : 20 Aug 2007 11:56 am
Operator : danat
Sample : ic230-0.5 (M065)
Misc : MS14080, MSQ230,,,,,1
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Aug 20 13:55:35 2007
Quant Method : C:\msdchem\1\METHODS\Q082007T.m
Quant Title : TO15 by GCMS w/DB-1 60 m X .25 mm ID 1.0 um
QLast Update : Mon Aug 20 13:55:19 2007
Response via : Initial Calibration







TIC: Q4334.D\data.ms

(56) m,p-XYLENE (m)

15.308min (-0.009) 0.41PPBV m

response 16542

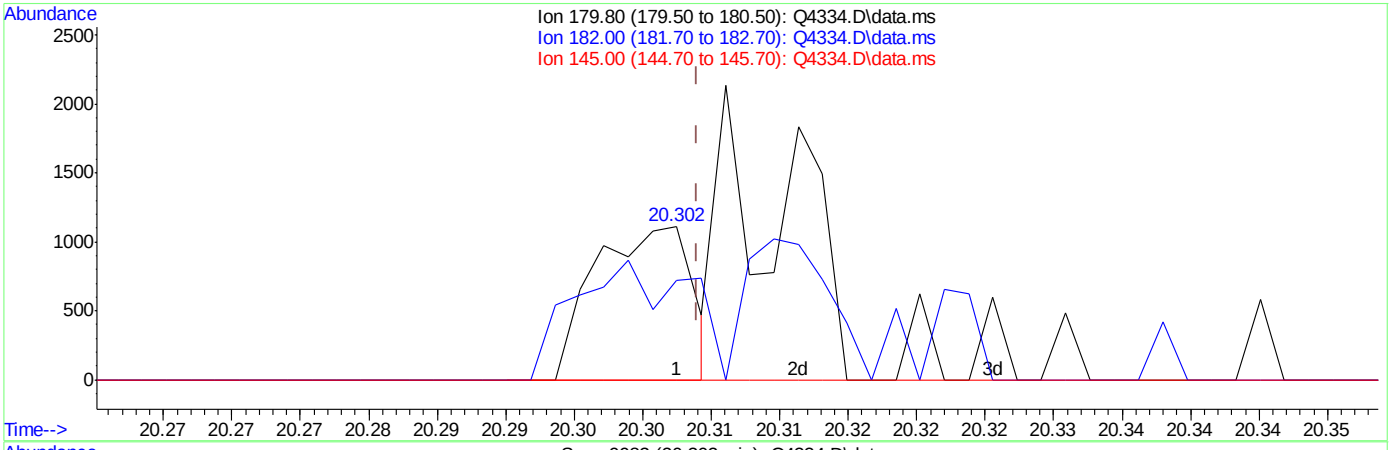
Ion	Exp%	Act%
106.00	100	100
91.00	231.70	158.85#
77.00	36.50	22.74#
0.00	0.00	0.00

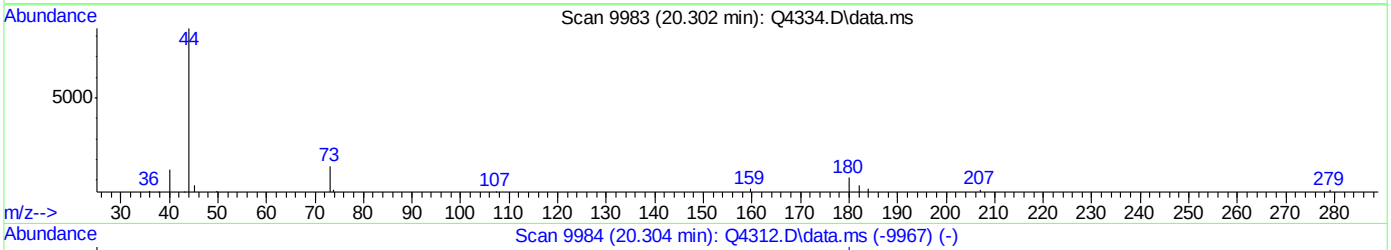
ACCUTEST Laboratories M67589

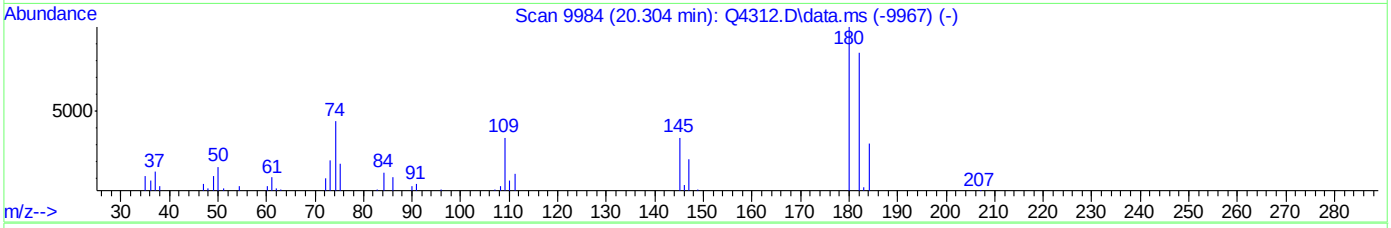
Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\
Data File : Q4334.D
Acq On : 20 Aug 2007 11:56 am
Operator : danat
Sample : ic230-0.5 (M065)
Misc : MS14080, MSQ230,,,,,1
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Aug 20 13:55:35 2007
Quant Method : C:\msdchem\1\METHODS\Q082007T.m
Quant Title : TO15 by GCMS w/DB-1 60 m X .25 mm ID 1.0 um
QLast Update : Mon Aug 20 13:55:19 2007
Response via : Initial Calibration







TIC: Q4334.D\data.ms

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

20.302min (-0.002) 0.12PPBV

response 552

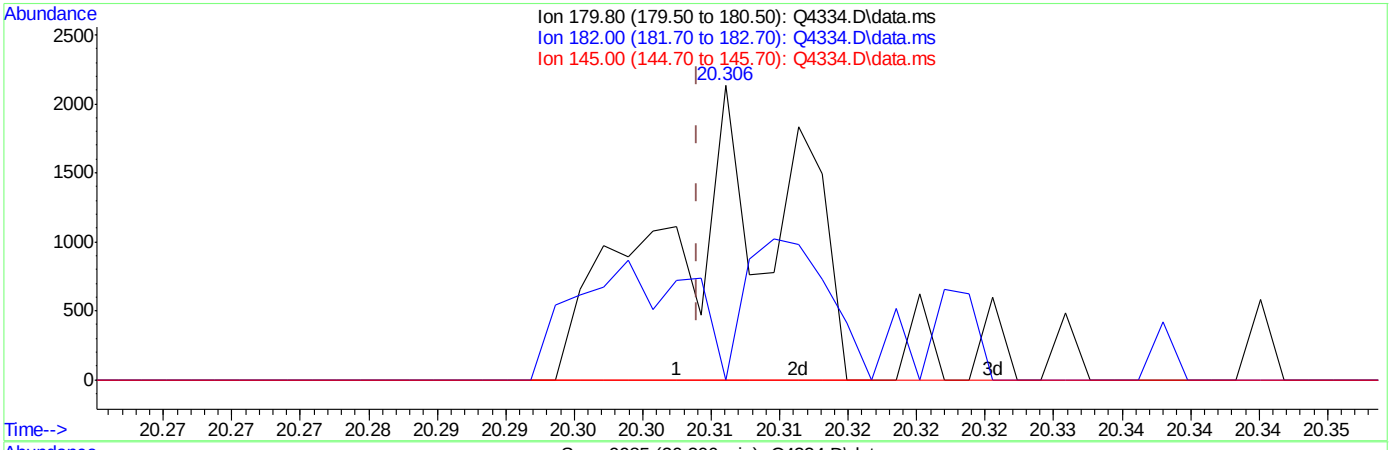
Ion	Exp%	Act%
179.80	100	100
182.00	96.80	0.00#
145.00	31.50	0.00#
0.00	0.00	0.00

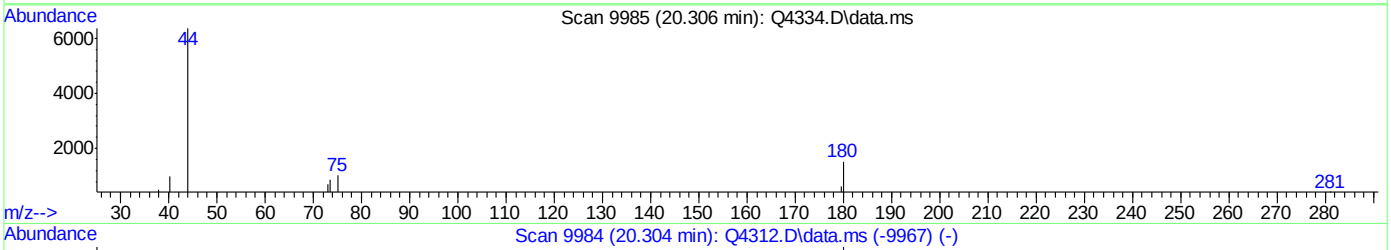
ACCUTEST Laboratories M67589

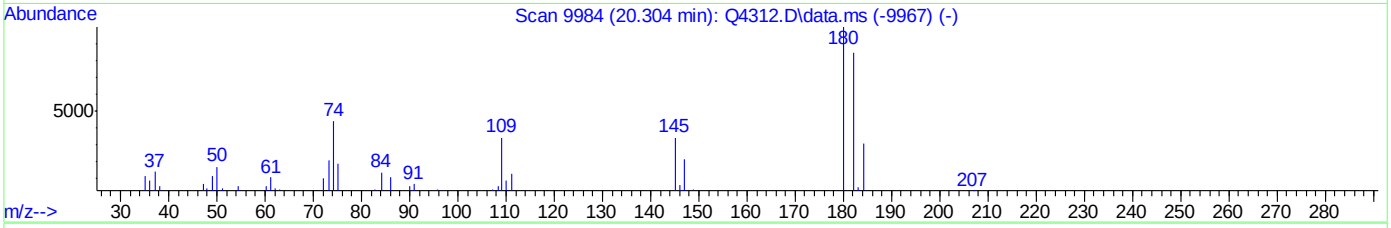
Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\
Data File : Q4334.D
Acq On : 20 Aug 2007 11:56 am
Operator : danat
Sample : ic230-0.5 (M065)
Misc : MS14080, MSQ230,,,,,1
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Aug 20 13:55:35 2007
Quant Method : C:\msdchem\1\METHODS\Q082007T.m
Quant Title : TO15 by GCMS w/DB-1 60 m X .25 mm ID 1.0 um
QLast Update : Mon Aug 20 13:55:19 2007
Response via : Initial Calibration







TIC: Q4334.D\data.ms

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

20.306min (+0.002) 0.29PPBV m

response 1298

Ion	Exp%	Act%
179.80	100	100
182.00	96.80	0.00#
145.00	31.50	0.00#
0.00	0.00	0.00

ACCUTEST Laboratories M67589

Manual Integrations APPROVED (compounds with "m" flag)
Philip Bassignani
08/29/07 08:52

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\
Data File : Q4335.D
Acq On : 20 Aug 2007 12:45 pm
Operator : danat
Sample : ic230-0.2 (M065)
Misc : MS14080, MSQ230,,,,,1
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Aug 20 14:02:53 2007
Quant Method : C:\msdchem\1\METHODS\Q082007T.m
Quant Title : TO15 by GCMS w/DB-1 60 m X .25 mm ID 1.0 um
QLast Update : Mon Aug 20 13:55:19 2007
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) BROMOCHLOROMETHANE	8.633	128	316257	10.00	PPBV	0.00
35) 1,4-DIFLUOROBENZENE	10.456	114	1389424	10.00	PPBV	0.00
49) CHLOROBENZENE-D5	14.701	117	1090541	10.00	PPBV	0.00

System Monitoring Compounds

61) 4-BROMOFLUOROBENZENE	16.322	95	279590	3.95	PPBV	0.00

Spiked Amount 5.000 Range 57 - 139 Recovery = 79.00%

Target Compounds						Qvalue
2) DICHLORODIFLUOROMETHANE	4.033	85	31698	0.16	PPBV	99
3) PROPYLENE	3.969	41	4867	0.13	PPBV #	74
4) FREON 114	4.299	85	30007	0.17	PPBV	94
5) CHLOROMETHANE	4.202	50	10887	0.20	PPBV	99
6) VINYL CHLORIDE	4.420	62	6715	0.12	PPBV	90
7) 1,3-BUTADIENE	4.559	39	9990	0.18	PPBV #	48
8) BROMOMETHANE	4.841	94	8702	0.17	PPBV	93
9) CHLOROETHANE	4.997	64	4034	0.17	PPBV #	70
10) TRICHLOROFLUOROMETHANE	5.785	101	31765	0.17	PPBV	96
11) ISOPROPYL ALCOHOL	5.849	45	14069m	0.16	PPBV	
12) ACETONE	5.613	43	27988	0.26	PPBV	94
13) PENTANE	6.140	42	15411	0.20	PPBV	85
14) 1,1-DICHLOROETHYLENE	6.429	96	6627	0.13	PPBV	88
15) CARBON DISULFIDE	6.857	76	31276	0.16	PPBV	75
16) ETHANOL	5.111	45	6094	0.33	PPBV	77
17) BROMOETHENE	5.361	106	6627	0.15	PPBV #	93
18) METHYLENE CHLORIDE	6.536	84	24885	0.30	PPBV	93
19) 3-CHLOROPROPENE	6.660	39	10112	0.17	PPBV	82
20) FREON 113	6.798	151	15073	0.16	PPBV #	65
21) TRANS-1,2-DICHLOROETHY...	7.466	96	7190	0.14	PPBV #	49
22) TERTIARY BUTYL ALCOHOL	6.458	59	11865	0.13	PPBV #	51
23) METHYL TERTIARY BUTYL ...	7.718	73	11444m	0.11	PPBV	
24) TETRAHYDROFURAN	9.166	42	2402	0.07	PPBV	81
25) HEXANE	8.667	57	10584	0.12	PPBV #	62
26) VINYL ACETATE	7.782	43	9451	0.10	PPBV #	3
27) 1,1-DICHLOROETHANE	7.659	63	19347	0.16	PPBV	96
28) METHYL ETHYL KETONE	8.053	43	7704	0.10	PPBV	67
29) cis-1,2-DICHLOROETHYLENE	8.468	96	3113	0.09	PPBV #	49
30) ETHYL ACETATE	8.676	43	20637	0.12	PPBV #	97
31) CHLOROFORM	8.752	83	21653	0.17	PPBV	94
32) 1,1,1-TRICHLOROETHANE	9.707	97	17379	0.14	PPBV	98
33) CARBON TETRACHLORIDE	10.289	117	20994	0.15	PPBV	92
34) 1,2-DICHLOROETHANE	9.457	62	9118	0.12	PPBV	97
36) BENZENE	10.147	78	9165	0.09	PPBV	89
37) CYCLOHEXANE	10.414	84	2140	0.05	PPBV #	42
38) TRICHLOROETHYLENE	11.143	95	5376	0.09	PPBV	90
39) 1,2-DICHLOROPROPANE	10.919	63	4888	0.12	PPBV	83
40) BROMODICHLOROMETHANE	11.102	83	15275	0.14	PPBV	96
41) 2,2,4-TRIMETHYLPENTANE	11.166	57	14598	0.07	PPBV	83
43) HEPTANE	11.399	43	6543	0.09	PPBV	86
44) METHYL ISOBUTYL KETONE	11.995	43	5639	0.07	PPBV #	72

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\
Data File : Q4335.D
Acq On : 20 Aug 2007 12:45 pm
Operator : danat
Sample : ic230-0.2 (M065)
Misc : MS14080, MSQ230,,,,,1
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Aug 20 14:02:53 2007
Quant Method : C:\msdchem\1\METHODS\Q082007T.m
Quant Title : TO15 by GCMS w/DB-1 60 m X .25 mm ID 1.0 um
QLast Update : Mon Aug 20 13:55:19 2007
Response via : Initial Calibration

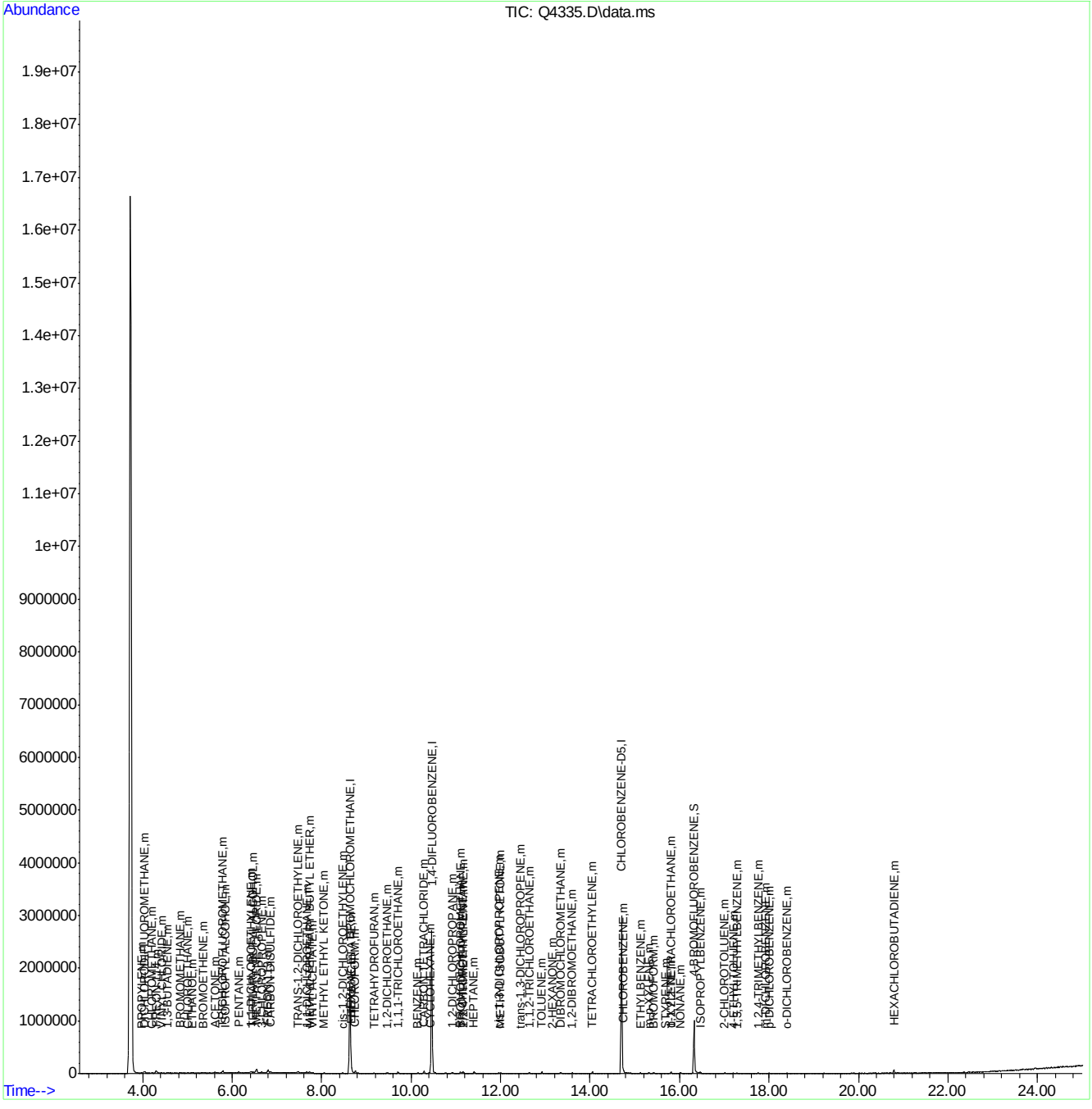
Internal Standards	R.T.	QIon	Response	Conc	Units		Dev(Min)
45) cis-1,3-DICHLOROPROPENE	11.959	75	3383	0.08	PPBV		81
46) TOLUENE	12.923	92	8865	0.13	PPBV		92
47) trans-1,3-DICHLOROPROPENE	12.451	75	1960	0.06	PPBV	#	58
48) 1,1,2-TRICHLOROETHANE	12.643	83	4386	0.11	PPBV		94
50) 2-HEXANONE	13.166	43	3861m	0.07	PPBV		
51) TETRACHLOROETHYLENE	14.041	164	3188	0.07	PPBV	#	57
52) DIBROMOCHLOROMETHANE	13.342	129	8270	0.10	PPBV		94
53) 1,2-DIBROMOETHANE	13.596	107	4217	0.09	PPBV	#	98
54) CHLOROBENZENE	14.739	112	8349	0.11	PPBV		97
55) ETHYLBENZENE	15.127	91	6058	0.05	PPBV		95
56) m,p-XYLENE	15.314	106	3435m	0.08	PPBV		
57) o-XYLENE	15.811	106	2160	0.05	PPBV	#	1
58) STYRENE	15.694	104	1248	0.04	PPBV	#	29
59) NONANE	16.018	43	5272	0.06	PPBV		89
60) BROMOFORM	15.413	173	5128	0.08	PPBV	#	94
62) 1,1,2,2-TETRACHLOROETHANE	15.804	83	10111	0.10	PPBV		98
63) ISOPROPYLBENZENE	16.462	105	6580	0.05	PPBV		86
64) 2-CHLOROTOLUENE	17.014	91	3592	0.04	PPBV		72
65) 4-ETHYLTOLUENE	17.202	105	3196	0.04	PPBV		72
66) 1,3,5-TRIMETHYLBENZENE	17.284	105	4138	0.04	PPBV	#	73
67) 1,2,4-TRIMETHYLBENZENE	17.749	105	2711m	0.04	PPBV		
68) m-DICHLOROBENZENE	17.926	146	1159m	0.03	PPBV		
70) p-DICHLOROBENZENE	18.011	146	354	0.01	PPBV	#	49
71) o-DICHLOROBENZENE	18.409	146	1380	0.04	PPBV	#	33
72) HEXACHLOROBUTADIENE	20.791	225	6970	0.16	PPBV		97

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

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\
Data File : Q4335.D
Acq On : 20 Aug 2007 12:45 pm
Operator : danat
Sample : ic230-0.2 (M065)
Misc : MS14080, MSQ230,,,,,1
ALS Vial : 1 Sample Multiplier: 1

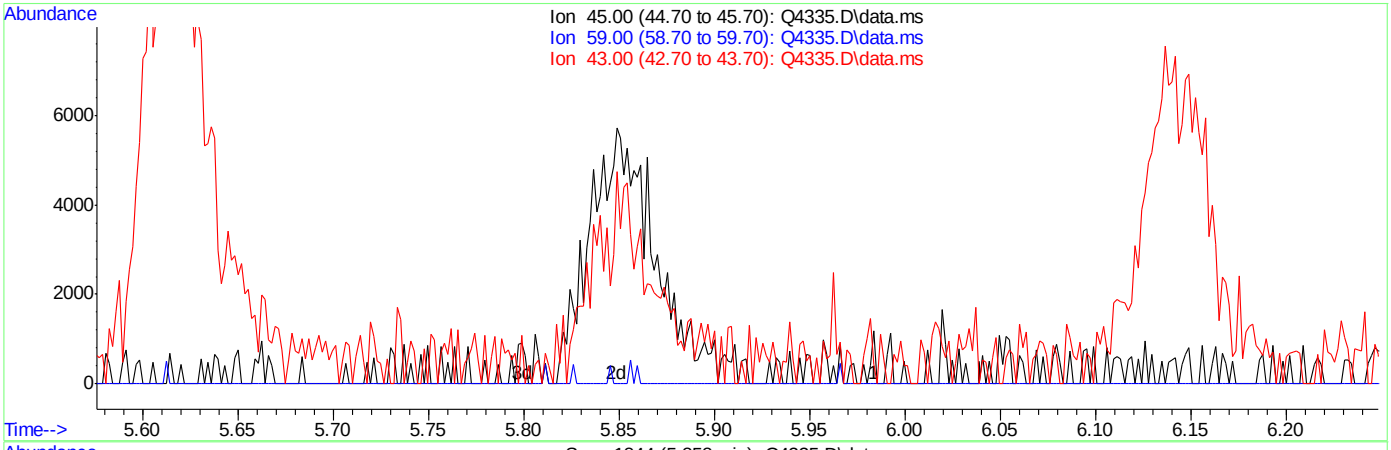
Quant Time: Aug 20 14:02:53 2007
Quant Method : C:\msdchem\1\METHODS\Q082007T.m
Quant Title : TO15 by GCMS w/DB-1 60 m X .25 mm ID 1.0 um
QLast Update : Mon Aug 20 13:55:19 2007
Response via : Initial Calibration

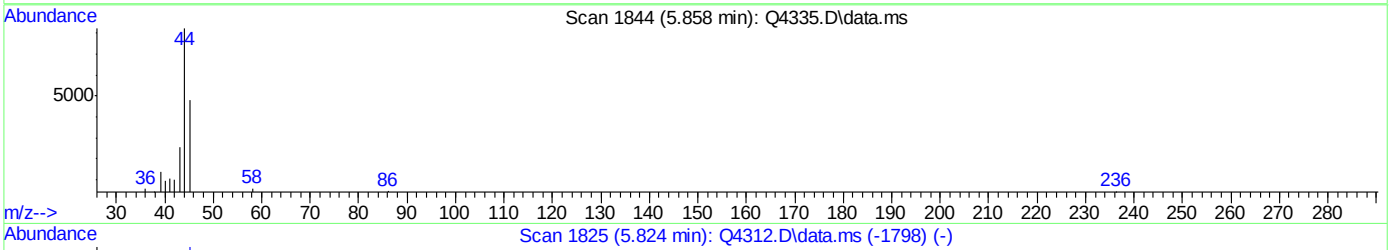


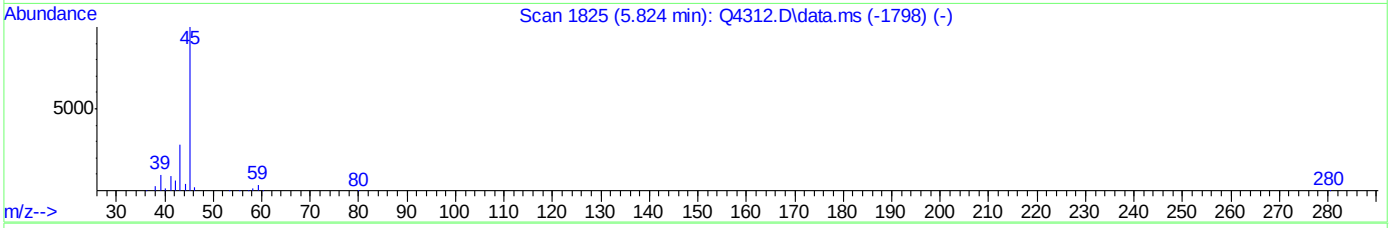
Quantitation Report (Qedit)

```
Data Path : C:\msdchem\1\DATA\
Data File : Q4335.D
Acq On    : 20 Aug 2007  12:45 pm
Operator  : danat
Sample    : ic230-0.2 (M065)
Misc      : MS14080, MSQ230,,,,,1
ALS Vial  : 1   Sample Multiplier: 1

Quant Time: Aug 20 13:59:09 2007
Quant Method : C:\msdchem\1\METHODS\Q082007T.m
Quant Title  : TO15  by GCMS w/DB-1 60 m X .25 mm ID 1.0 um
QLast Update : Mon Aug 20 13:55:19 2007
Response via : Initial Calibration
```





TIC: Q4335.D\data.ms

(11) ISOPROPYL ALCOHOL (m)

5.824min 0.00PPBV d

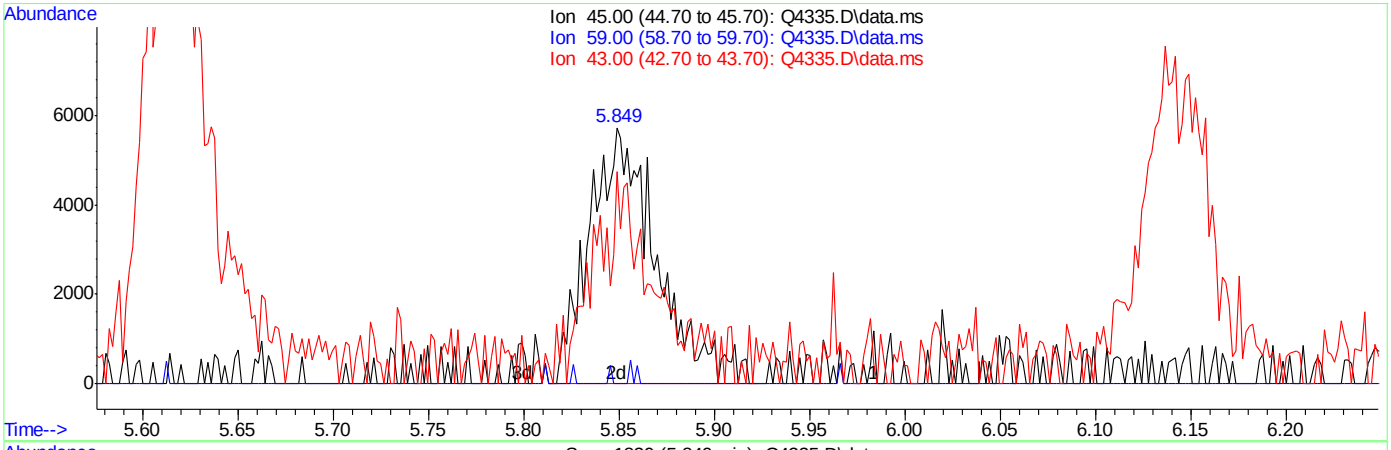
response 0

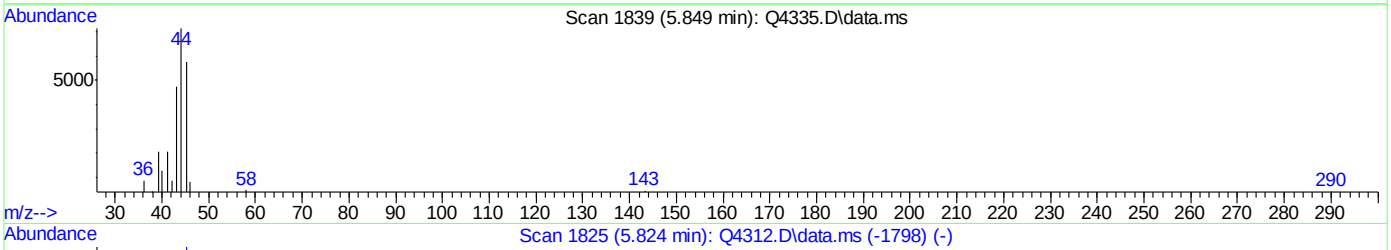
Ion	Exp%	Act%
45.00	100	0.00
59.00	3.50	0.00
43.00	28.80	0.00
0.00	0.00	0.00

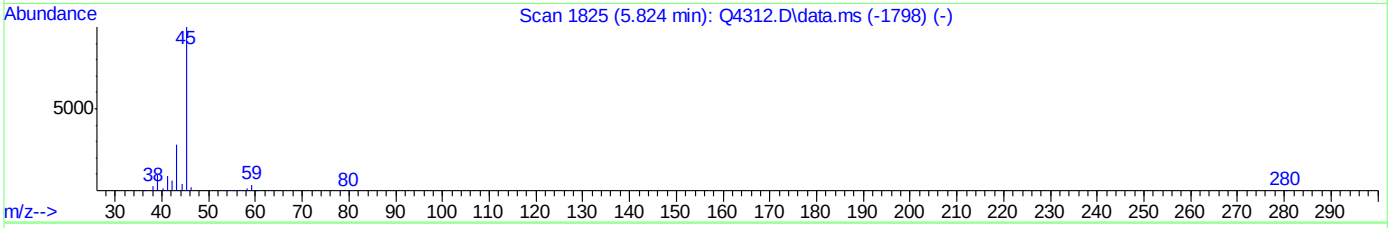
Quantitation Report (Qedit)

```
Data Path : C:\msdchem\1\DATA\
Data File : Q4335.D
Acq On    : 20 Aug 2007  12:45 pm
Operator  : danat
Sample    : ic230-0.2 (M065)
Misc      : MS14080, MSQ230,,,,,1
ALS Vial  : 1   Sample Multiplier: 1

Quant Time: Aug 20 13:59:09 2007
Quant Method : C:\msdchem\1\METHODS\Q082007T.m
Quant Title  : TO15  by GCMS w/DB-1 60 m X .25 mm ID 1.0 um
QLast Update : Mon Aug 20 13:55:19 2007
Response via : Initial Calibration
```





TIC: Q4335.D\data.ms

(11) ISOPROPYL ALCOHOL (m)

5.849min (+0.025) 0.16PPBV m

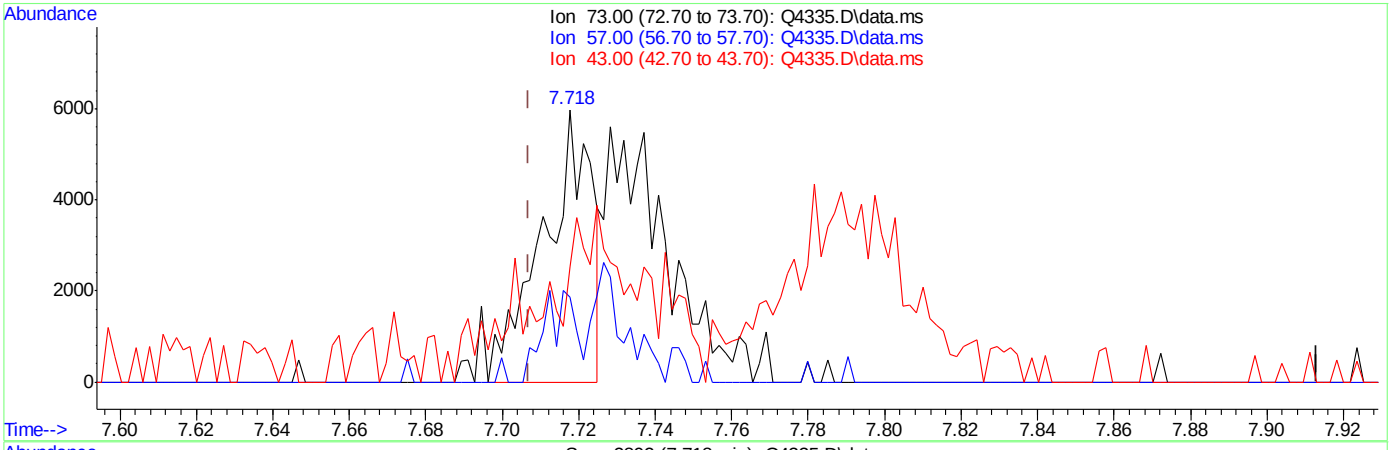
response 14069

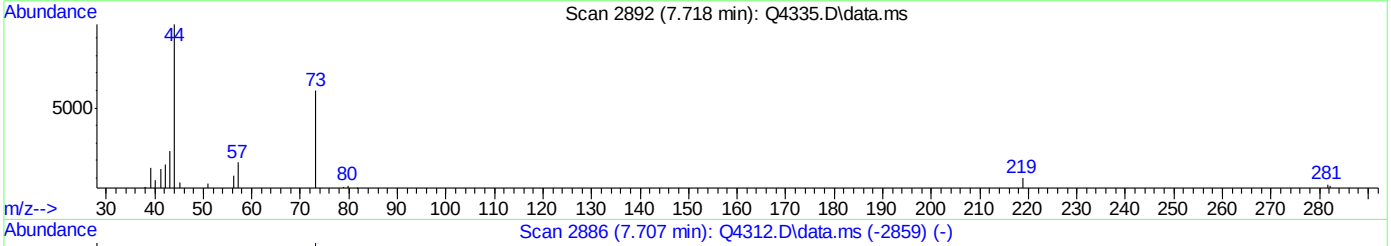
Ion	Exp%	Act%
45.00	100	100
59.00	3.50	0.00
43.00	28.80	82.75#
0.00	0.00	0.00

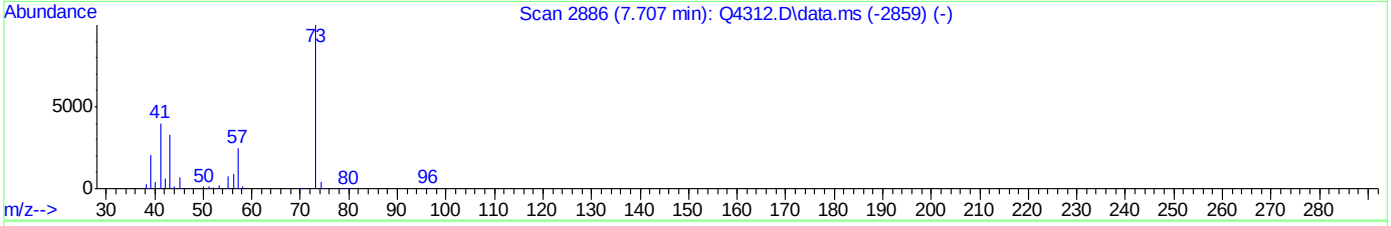
Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\
Data File : Q4335.D
Acq On : 20 Aug 2007 12:45 pm
Operator : danat
Sample : ic230-0.2 (M065)
Misc : MS14080, MSQ230,,,,,1
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Aug 20 13:59:09 2007
Quant Method : C:\msdchem\1\METHODS\Q082007T.m
Quant Title : TO15 by GCMS w/DB-1 60 m X .25 mm ID 1.0 um
QLast Update : Mon Aug 20 13:55:19 2007
Response via : Initial Calibration







TIC: Q4335.D\data.ms

(23) METHYL TERTIARY BUTYL ETHER (m)

7.718min (+0.011) 0.05PPBV

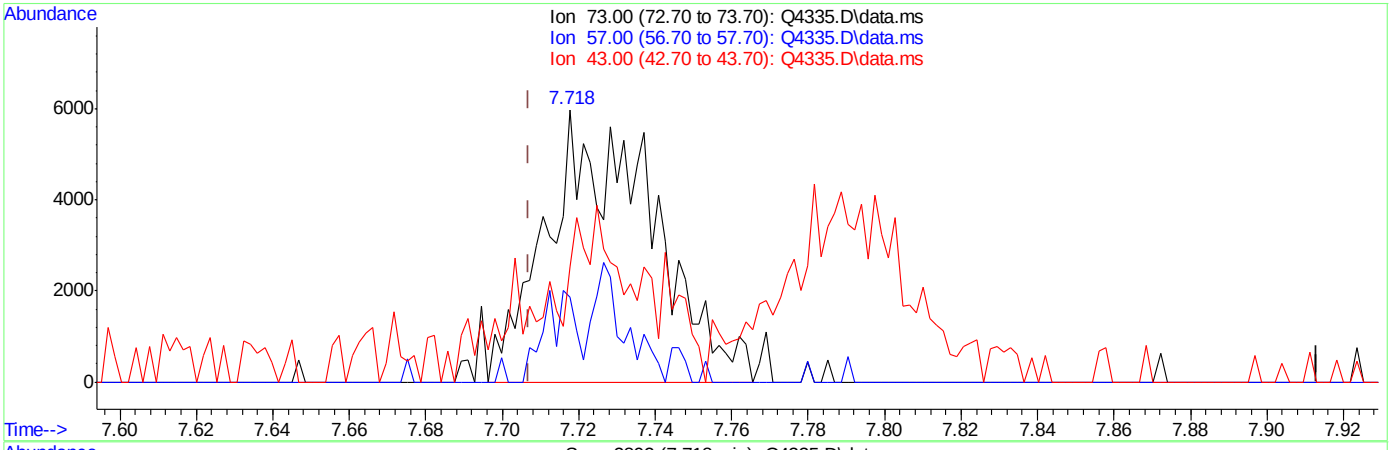
response 5245

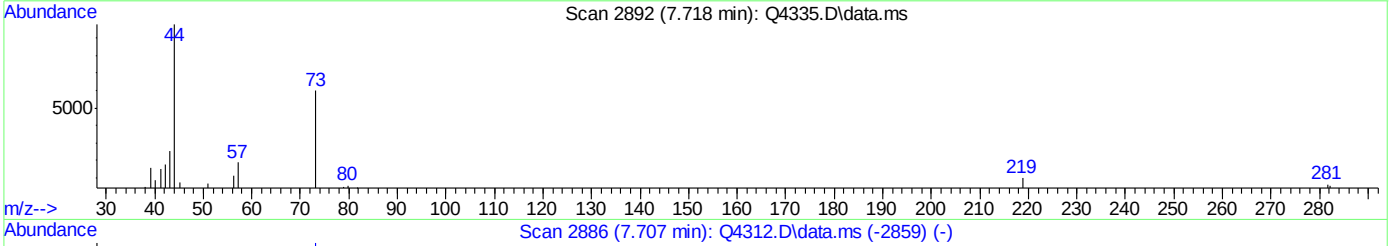
Ion	Exp%	Act%
73.00	100	100
57.00	23.40	51.25#
43.00	33.40	69.95#
0.00	0.00	0.00

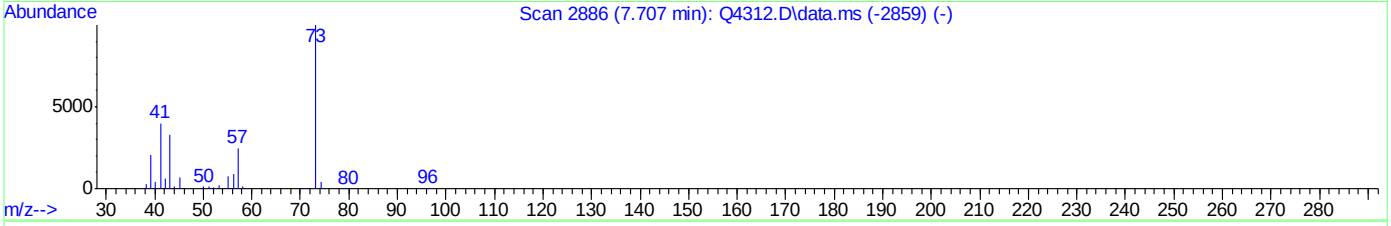
Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\
Data File : Q4335.D
Acq On : 20 Aug 2007 12:45 pm
Operator : danat
Sample : ic230-0.2 (M065)
Misc : MS14080, MSQ230,,,,,1
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Aug 20 13:59:09 2007
Quant Method : C:\msdchem\1\METHODS\Q082007T.m
Quant Title : TO15 by GCMS w/DB-1 60 m X .25 mm ID 1.0 um
QLast Update : Mon Aug 20 13:55:19 2007
Response via : Initial Calibration







TIC: Q4335.D\data.ms

(23) METHYL TERTIARY BUTYL ETHER (m)

7.718min (+0.011) 0.11PPBV m

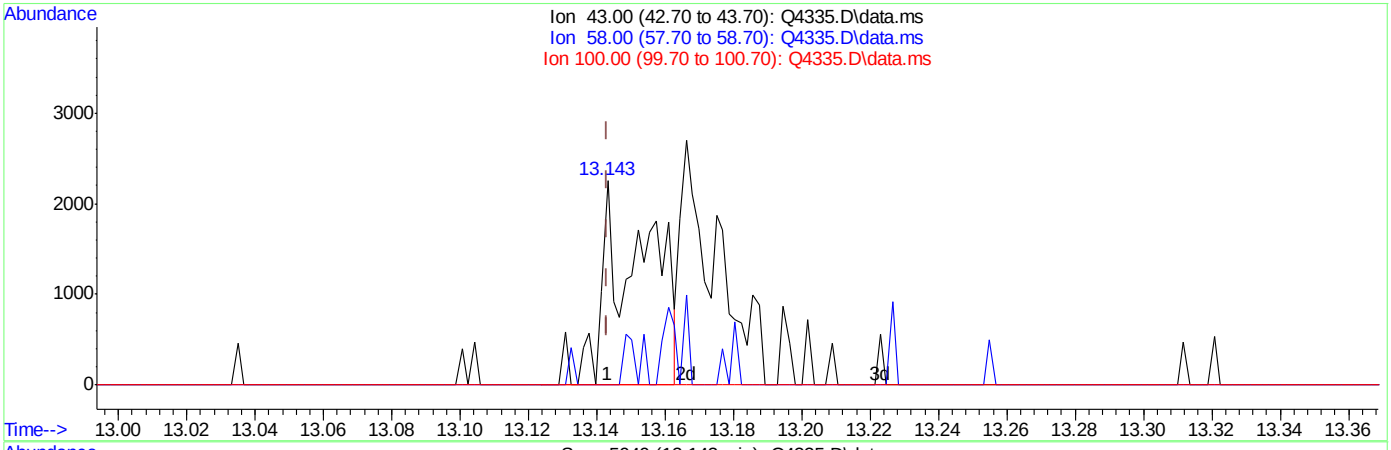
response 11444

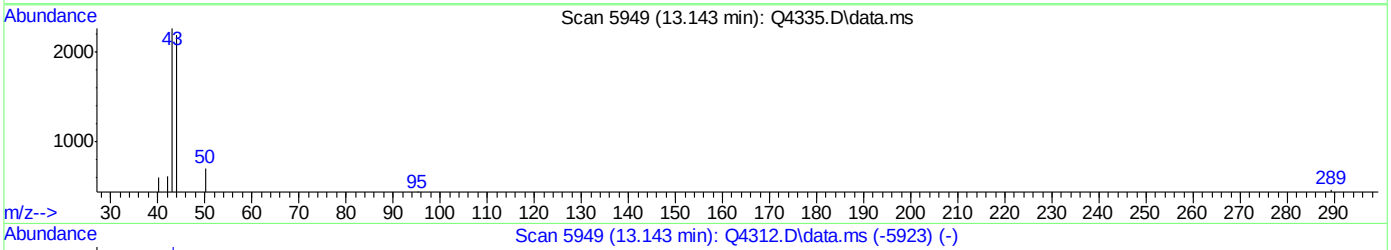
Ion	Exp%	Act%
73.00	100	100
57.00	23.40	23.49
43.00	33.40	32.06
0.00	0.00	0.00

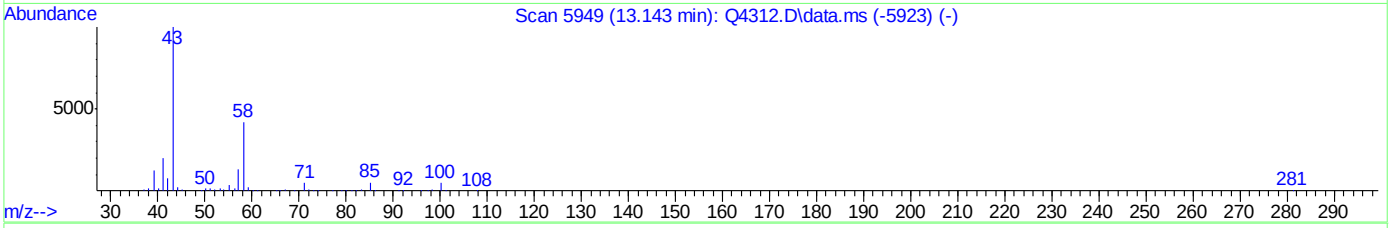
Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\
Data File : Q4335.D
Acq On : 20 Aug 2007 12:45 pm
Operator : danat
Sample : ic230-0.2 (M065)
Misc : MS14080, MSQ230,,,,,1
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Aug 20 13:59:09 2007
Quant Method : C:\msdchem\1\METHODS\Q082007T.m
Quant Title : TO15 by GCMS w/DB-1 60 m X .25 mm ID 1.0 um
QLast Update : Mon Aug 20 13:55:19 2007
Response via : Initial Calibration







TIC: Q4335.D\data.ms

(50) 2-HEXANONE (m)

13.143min (+0.000) 0.04PPBV

response 2052

Ion	Exp%	Act%
43.00	100	100
58.00	40.00	5.46#
100.00	5.10	0.00
0.00	0.00	0.00

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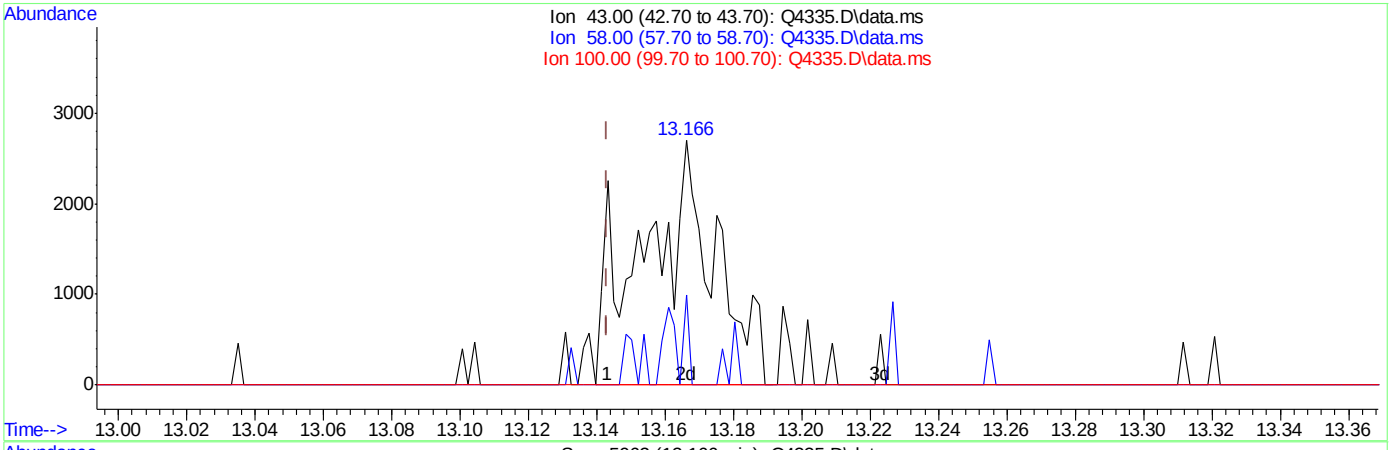
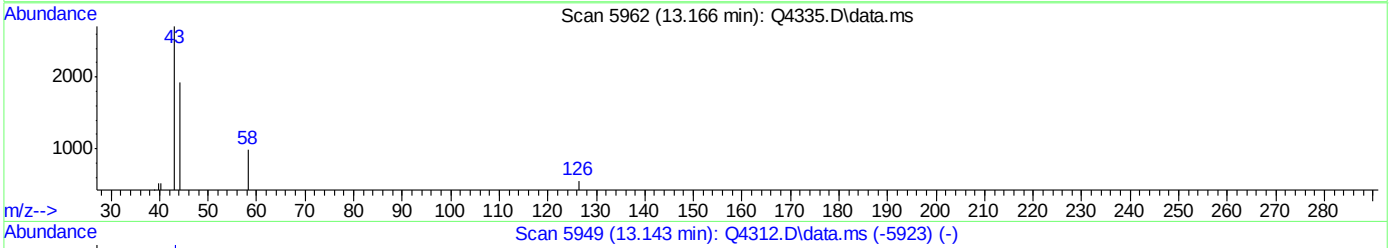
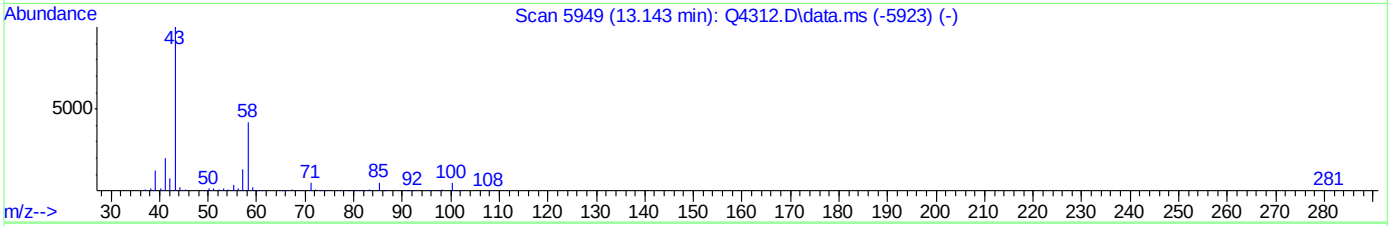
Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\
Data File : Q4335.D
Acq On : 20 Aug 2007 12:45 pm
Operator : danat
Sample : ic230-0.2 (M065)
Misc : MS14080, MSQ230,,,,,1
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Aug 20 13:59:09 2007
Quant Method : C:\msdchem\1\METHODS\Q082007T.m
Quant Title : TO15 by GCMS w/DB-1 60 m X .25 mm ID 1.0 um
QLast Update : Mon Aug 20 13:55:19 2007
Response via : Initial Calibration







TIC: Q4335.D\data.ms

(50) 2-HEXANONE (m)

13.166min (+0.023) 0.07PPBV m

response 3861

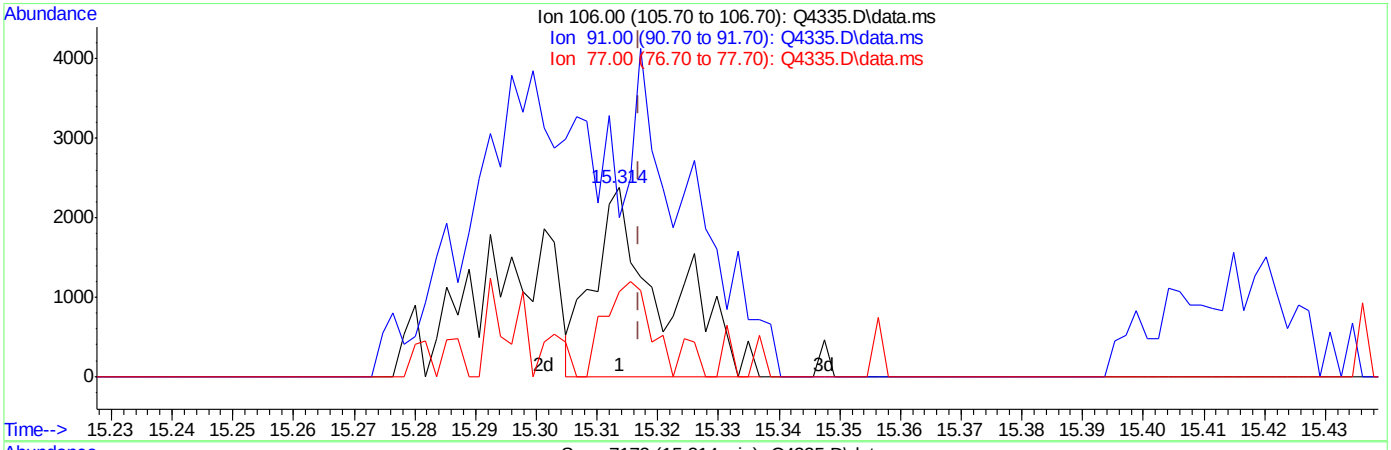
Ion	Exp%	Act%
43.00	100	100
58.00	40.00	2.90#
100.00	5.10	0.00
0.00	0.00	0.00

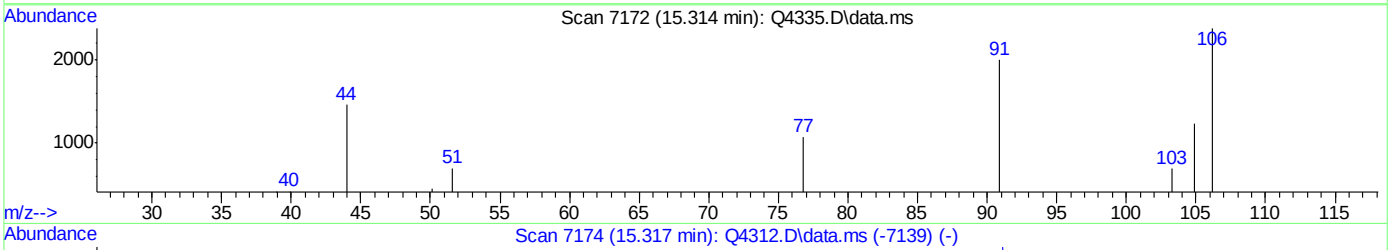
ACCUTEST Laboratories M67589

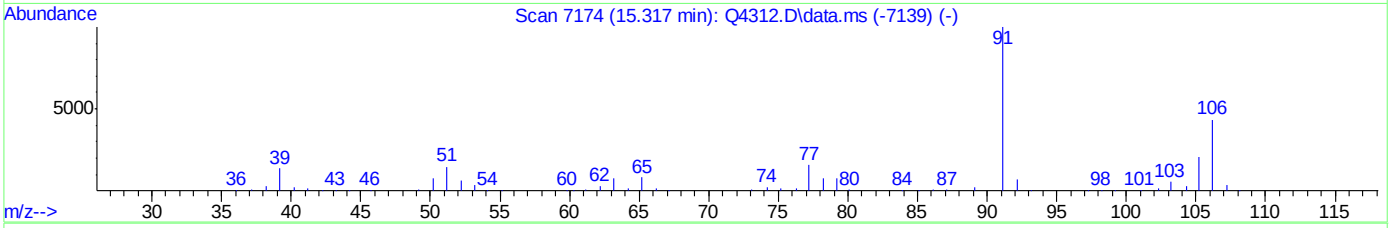
Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\
Data File : Q4335.D
Acq On : 20 Aug 2007 12:45 pm
Operator : danat
Sample : ic230-0.2 (M065)
Misc : MS14080, MSQ230,,,,,1
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Aug 20 13:59:09 2007
Quant Method : C:\msdchem\1\METHODS\Q082007T.m
Quant Title : TO15 by GCMS w/DB-1 60 m X .25 mm ID 1.0 um
QLast Update : Mon Aug 20 13:55:19 2007
Response via : Initial Calibration







TIC: Q4335.D\data.ms

(56) m,p-XYLENE (m)

15.314min (-0.003) 0.05PPBV

response 1927

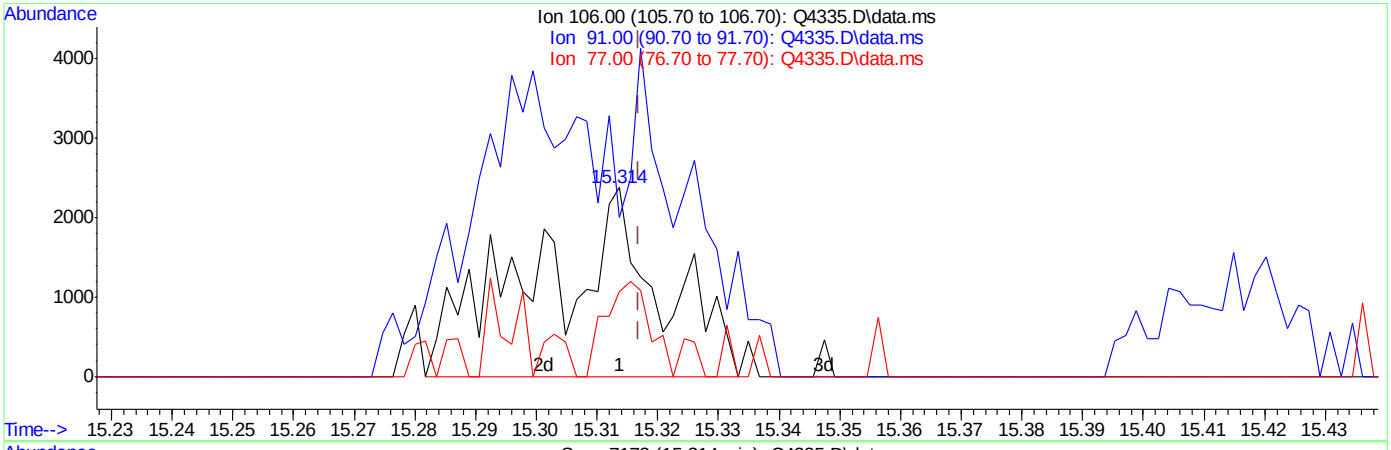
Ion	Exp%	Act%
106.00	100	100
91.00	231.70	83.92#
77.00	36.50	45.16#
0.00	0.00	0.00

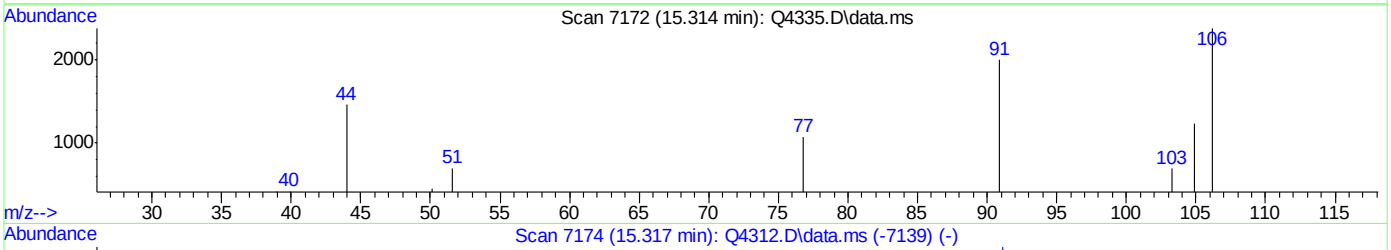
ACCUTEST Laboratories M67589

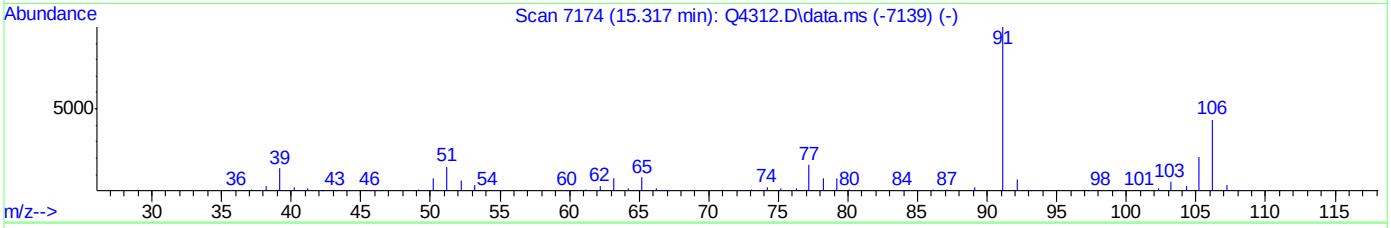
Quantitation Report (Qedit)

```
Data Path : C:\msdchem\1\DATA\
Data File : Q4335.D
Acq On    : 20 Aug 2007  12:45 pm
Operator  : danat
Sample    : ic230-0.2 (M065)
Misc      : MS14080, MSQ230,,,,,1
ALS Vial  : 1   Sample Multiplier: 1

Quant Time: Aug 20 13:59:09 2007
Quant Method : C:\msdchem\1\METHODS\Q082007T.m
Quant Title  : TO15  by GCMS w/DB-1 60 m X .25 mm ID 1.0 um
QLast Update : Mon Aug 20 13:55:19 2007
Response via : Initial Calibration
```





TIC: Q4335.D\data.ms

(56) m,p-XYLENE (m)

15.314min (-0.003) 0.08PPBV m

response 3435

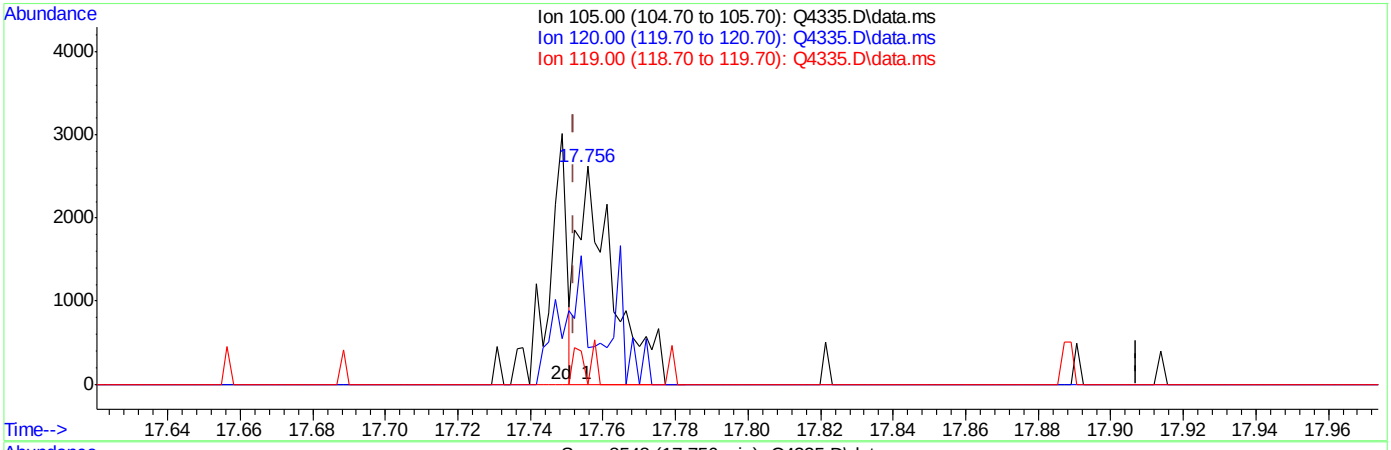
Ion	Exp%	Act%
106.00	100	100
91.00	231.70	83.92#
77.00	36.50	45.16#
0.00	0.00	0.00

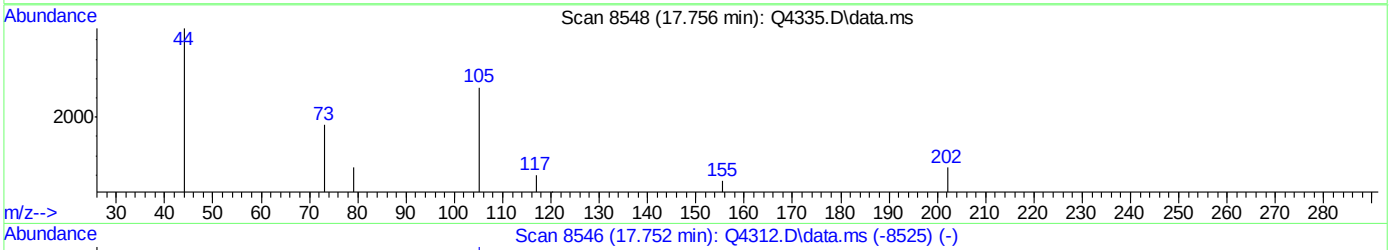
ACCUTEST Laboratories M67589

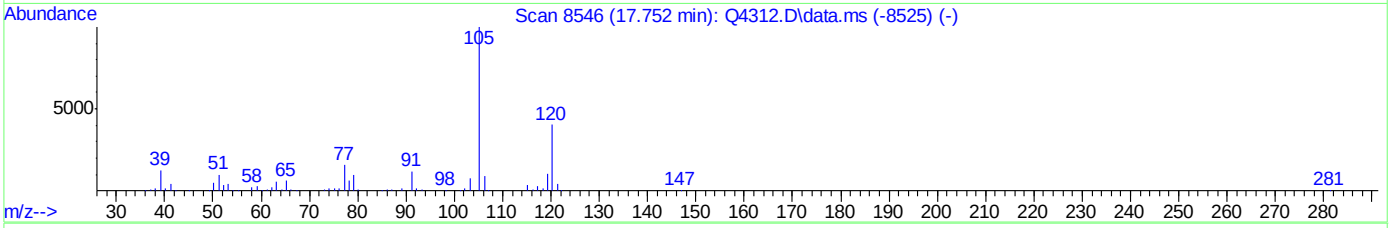
Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\
Data File : Q4335.D
Acq On : 20 Aug 2007 12:45 pm
Operator : danat
Sample : ic230-0.2 (M065)
Misc : MS14080, MSQ230,,,,,1
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Aug 20 13:59:09 2007
Quant Method : C:\msdchem\1\METHODS\Q082007T.m
Quant Title : TO15 by GCMS w/DB-1 60 m X .25 mm ID 1.0 um
QLast Update : Mon Aug 20 13:55:19 2007
Response via : Initial Calibration







TIC: Q4335.D\data.ms

(67) 1,2,4-TRIMETHYLBENZENE (m)

17.756min (+0.004) 0.02PPBV

response 1793

Ion	Exp%	Act%
105.00	100	100
120.00	40.50	44.95
119.00	11.00	8.14
0.00	0.00	0.00

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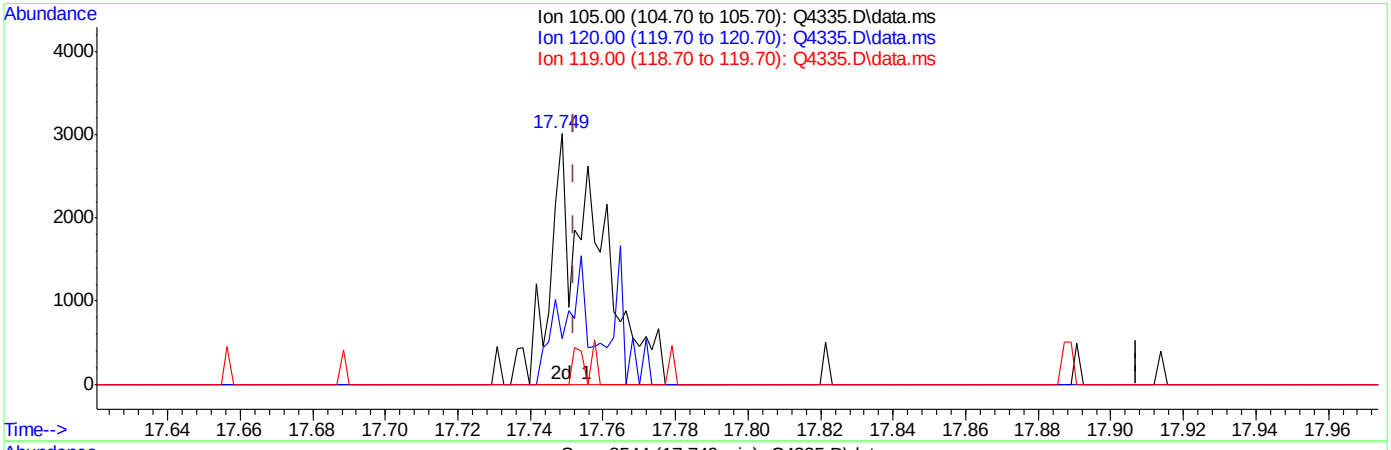
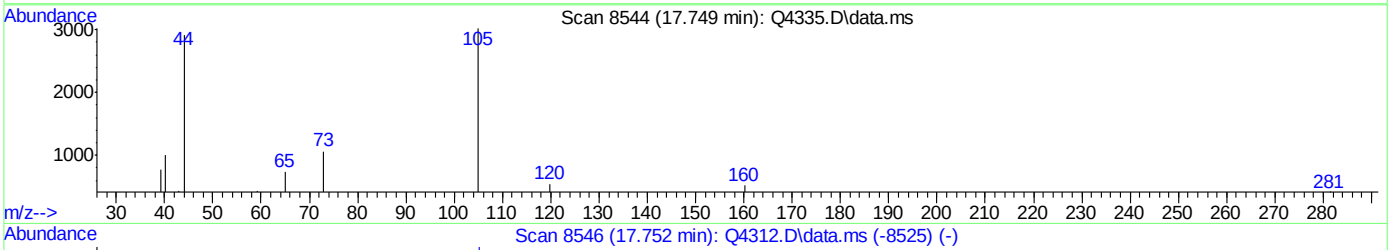
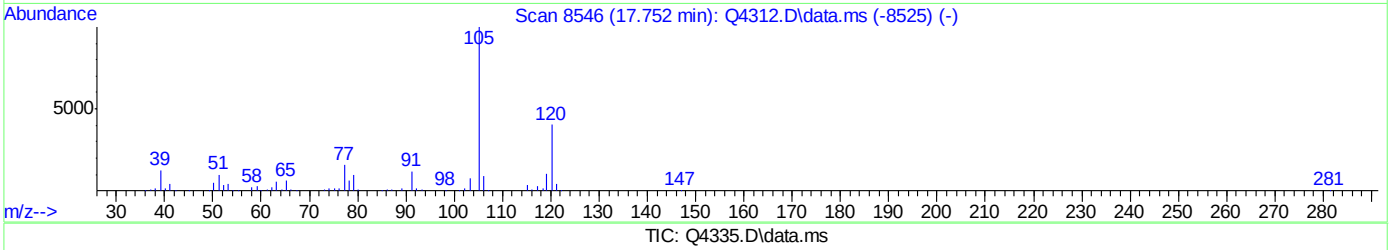
Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\
Data File : Q4335.D
Acq On : 20 Aug 2007 12:45 pm
Operator : danat
Sample : ic230-0.2 (M065)
Misc : MS14080, MSQ230,,,,,1
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Aug 20 13:59:09 2007
Quant Method : C:\msdchem\1\METHODS\Q082007T.m
Quant Title : TO15 by GCMS w/DB-1 60 m X .25 mm ID 1.0 um
QLast Update : Mon Aug 20 13:55:19 2007
Response via : Initial Calibration







TIC: Q4335.D\data.ms

(67) 1,2,4-TRIMETHYLBENZENE (m)

17.749min (-0.003) 0.04PPBV m

response 2711

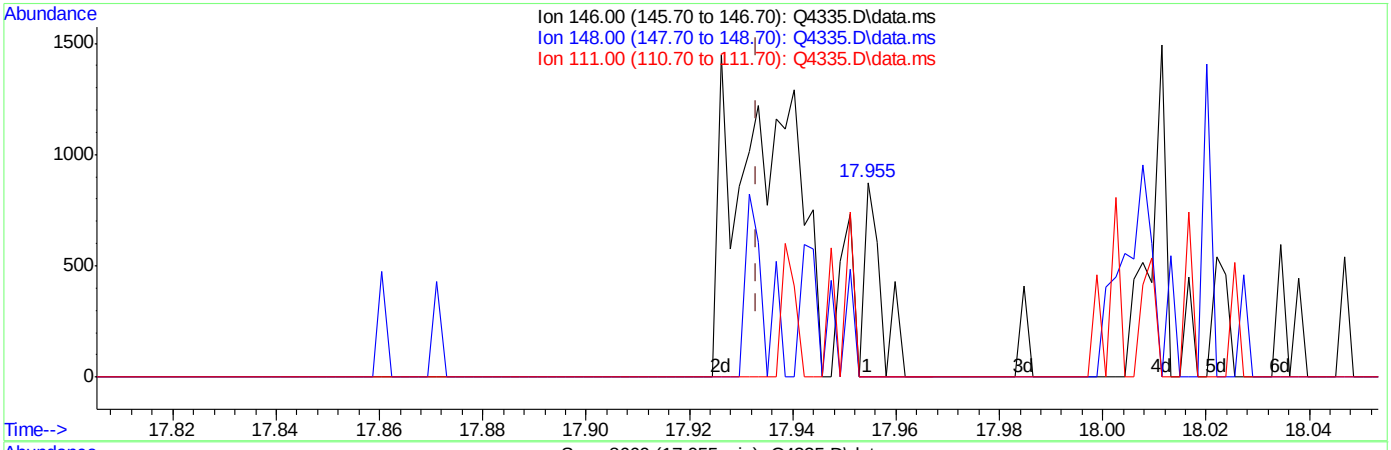
Ion	Exp%	Act%
105.00	100	100
120.00	40.50	29.73
119.00	11.00	5.39
0.00	0.00	0.00

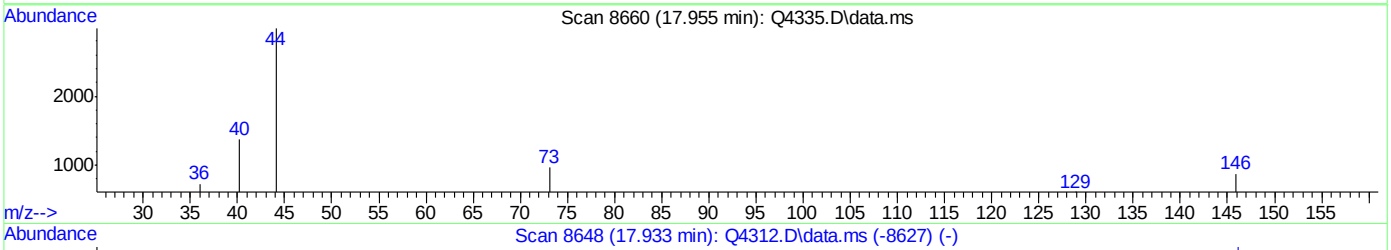
ACCUTEST Laboratories M67589

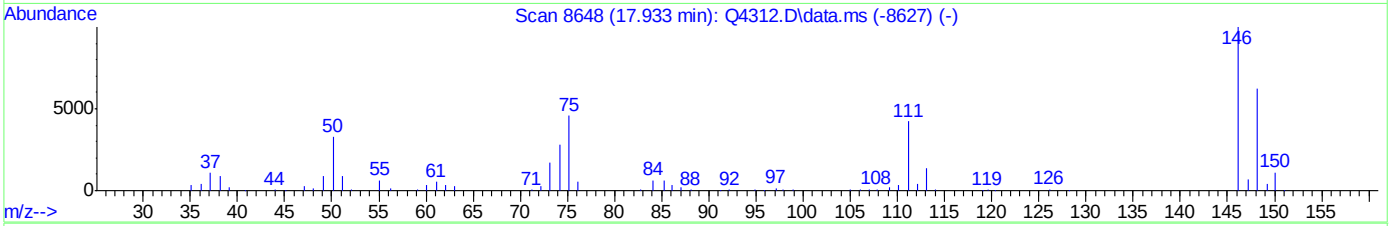
Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\
Data File : Q4335.D
Acq On : 20 Aug 2007 12:45 pm
Operator : danat
Sample : ic230-0.2 (M065)
Misc : MS14080, MSQ230,,,,,1
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Aug 20 13:59:09 2007
Quant Method : C:\msdchem\1\METHODS\Q082007T.m
Quant Title : TO15 by GCMS w/DB-1 60 m X .25 mm ID 1.0 um
QLast Update : Mon Aug 20 13:55:19 2007
Response via : Initial Calibration







TIC: Q4335.D\data.ms

(68) m-DICHLOROBENZENE (m)

17.955min (+0.022) 0.01PPBV

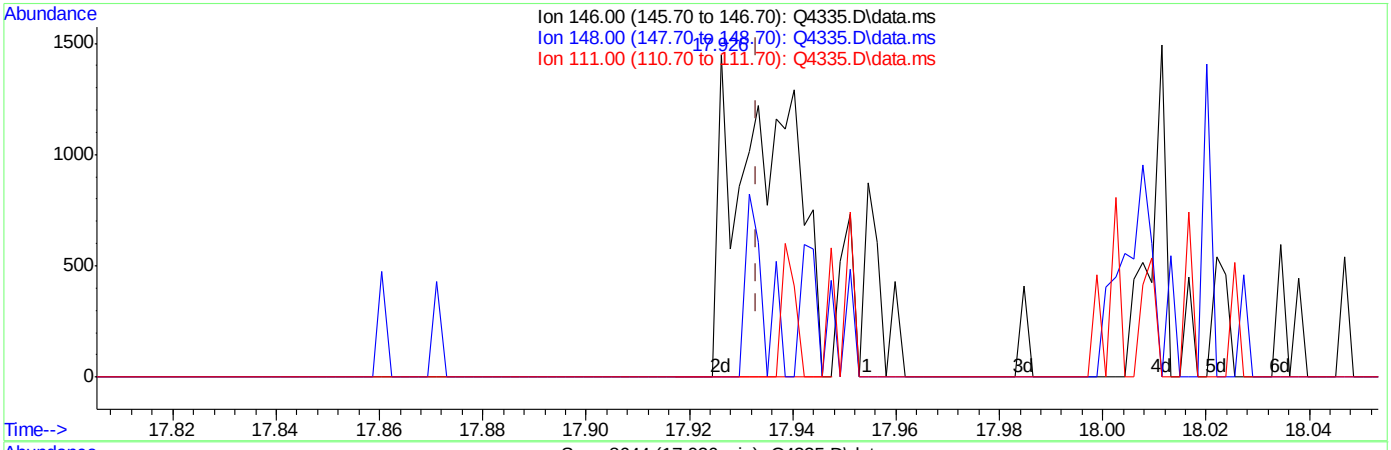
response 204

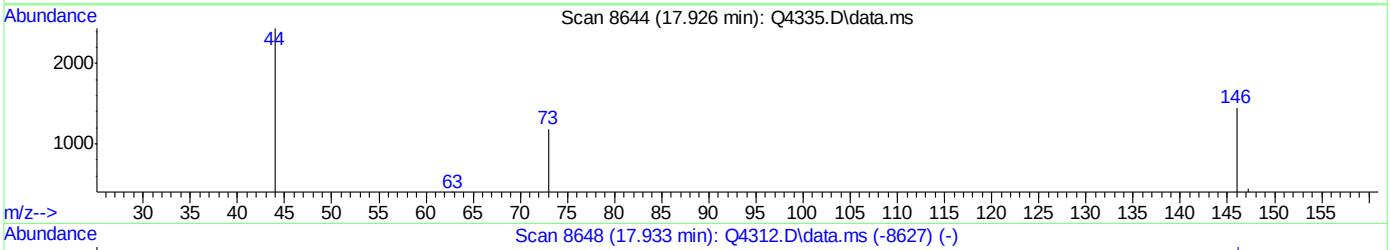
Ion	Exp%	Act%
146.00	100	100
148.00	63.90	83.82
111.00	45.40	52.45
0.00	0.00	0.00

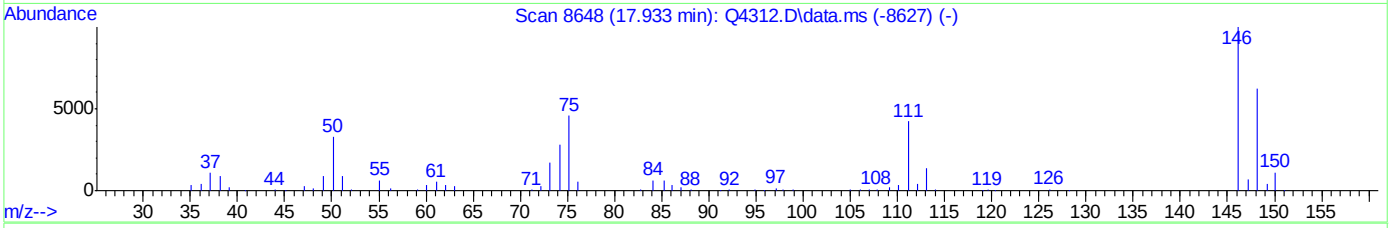
Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\
Data File : Q4335.D
Acq On : 20 Aug 2007 12:45 pm
Operator : danat
Sample : ic230-0.2 (M065)
Misc : MS14080, MSQ230,,,,,1
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Aug 20 13:59:09 2007
Quant Method : C:\msdchem\1\METHODS\Q082007T.m
Quant Title : TO15 by GCMS w/DB-1 60 m X .25 mm ID 1.0 um
QLast Update : Mon Aug 20 13:55:19 2007
Response via : Initial Calibration







TIC: Q4335.D\data.ms

(68) m-DICHLOROBENZENE (m)

17.926min (-0.007) 0.03PPBV m

response 1159

Ion	Exp%	Act%
146.00	100	100
148.00	63.90	14.75#
111.00	45.40	9.23#
0.00	0.00	0.00

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\
Data File : Q4336.D
Acq On : 20 Aug 2007 1:29 pm
Operator : danat
Sample : ic230-40 (M090)
Misc : MS14080, MSQ230,,,,,1
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Aug 20 14:04:08 2007
Quant Method : C:\msdchem\1\METHODS\Q082007T.m
Quant Title : TO15 by GCMS w/DB-1 60 m X .25 mm ID 1.0 um
QLast Update : Mon Aug 20 13:55:19 2007
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) BROMOCHLOROMETHANE	8.632	128	349406	10.00	PPBV	0.00
35) 1,4-DIFLUOROBENZENE	10.460	114	1620378	10.00	PPBV	0.00
49) CHLOROBENZENE-D5	14.700	117	1261348	10.00	PPBV	0.00
System Monitoring Compounds						
61) 4-BROMOFLUOROBENZENE	16.322	95	461467	5.64	PPBV	0.00
Spiked Amount 5.000	Range 57 - 139		Recovery = 112.80%			
Target Compounds						Qvalue
2) DICHLORODIFLUOROMETHANE	4.035	85	7012558	32.34	PPBV	99
3) PROPYLENE	3.966	41	1594277	38.83	PPBV	97
4) FREON 114	4.296	85	6856223	35.60	PPBV	97
5) CHLOROMETHANE	4.198	50	2118226	34.44	PPBV	95
6) VINYL CHLORIDE	4.420	62	2222863	36.15	PPBV	100
7) 1,3-BUTADIENE	4.559	39	2412016	39.76	PPBV	97
8) BROMOMETHANE	4.830	94	1926908	33.50	PPBV	99
9) CHLOROETHANE	5.008	64	1035968	39.64	PPBV	100
10) TRICHLOROFLUOROMETHANE	5.785	101	6413473	31.33	PPBV	99
11) ISOPROPYL ALCOHOL	5.824	45	3859424	38.74	PPBV	97
12) ACETONE	5.588	43	4244931	35.81	PPBV	99
13) PENTANE	6.140	42	2953554	35.54	PPBV	98
14) 1,1-DICHLOROETHYLENE	6.424	96	2022058	34.59	PPBV	96
15) CARBON DISULFIDE	6.852	76	7080088	33.38	PPBV	99
16) ETHANOL	5.095	45	689095	34.03	PPBV	98
17) BROMOETHENE	5.366	106	1720210	34.09	PPBV	100
18) METHYLENE CHLORIDE	6.537	84	2897876	32.08	PPBV	97
19) 3-CHLOROPROPENE	6.658	39	2851628	43.77	PPBV	98
20) FREON 113	6.793	151	3166889	31.26	PPBV	92
21) TRANS-1,2-DICHLOROETHY...	7.462	96	1927317	34.76	PPBV	94
22) TERTIARY BUTYL ALCOHOL	6.427	59	4158729	40.20	PPBV	97
23) METHYL TERTIARY BUTYL ...	7.704	73	4911582	44.35	PPBV	99
24) TETRAHYDROFURAN	9.132	42	2148723	58.07	PPBV	100
25) HEXANE	8.662	57	3965811	40.88	PPBV	97
26) VINYL ACETATE	7.785	43	4713551	46.13	PPBV	94
27) 1,1-DICHLOROETHANE	7.659	63	5349061	40.77	PPBV	99
28) METHYL ETHYL KETONE	8.028	43	4213678	47.83	PPBV	98
29) cis-1,2-DICHLOROETHYLENE	8.467	96	1821037	47.46	PPBV	95
30) ETHYL ACETATE	8.660	43	8441880	44.83	PPBV	100
31) CHLOROFORM	8.751	83	5525619	38.60	PPBV	98
32) 1,1,1-TRICHLOROETHANE	9.704	97	5210329	37.56	PPBV	98
33) CARBON TETRACHLORIDE	10.286	117	5235114	33.15	PPBV	99
34) 1,2-DICHLOROETHANE	9.459	62	3873553	44.47	PPBV	100
36) BENZENE	10.146	78	6357357	51.01	PPBV	100
37) CYCLOHEXANE	10.410	84	2360358	47.78	PPBV	99
38) TRICHLOROETHYLENE	11.143	95	3048300	43.54	PPBV	98
39) 1,2-DICHLOROPROPANE	10.919	63	2376451	48.83	PPBV	96
40) BROMODICHLOROMETHANE	11.106	83	5524251	41.92	PPBV	99
41) 2,2,4-TRIMETHYLPENTANE	11.166	57	12572463	52.87	PPBV	99
42) 1,4-DIOXANE	11.125	88	1018689	47.71	PPBV #	83
43) HEPTANE	11.404	43	5016750	57.22	PPBV	98

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\
Data File : Q4336.D
Acq On : 20 Aug 2007 1:29 pm
Operator : danat
Sample : ic230-40 (M090)
Misc : MS14080, MSQ230,,,,,1
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Aug 20 14:04:08 2007
Quant Method : C:\msdchem\1\METHODS\Q082007T.m
Quant Title : TO15 by GCMS w/DB-1 60 m X .25 mm ID 1.0 um
QLast Update : Mon Aug 20 13:55:19 2007
Response via : Initial Calibration

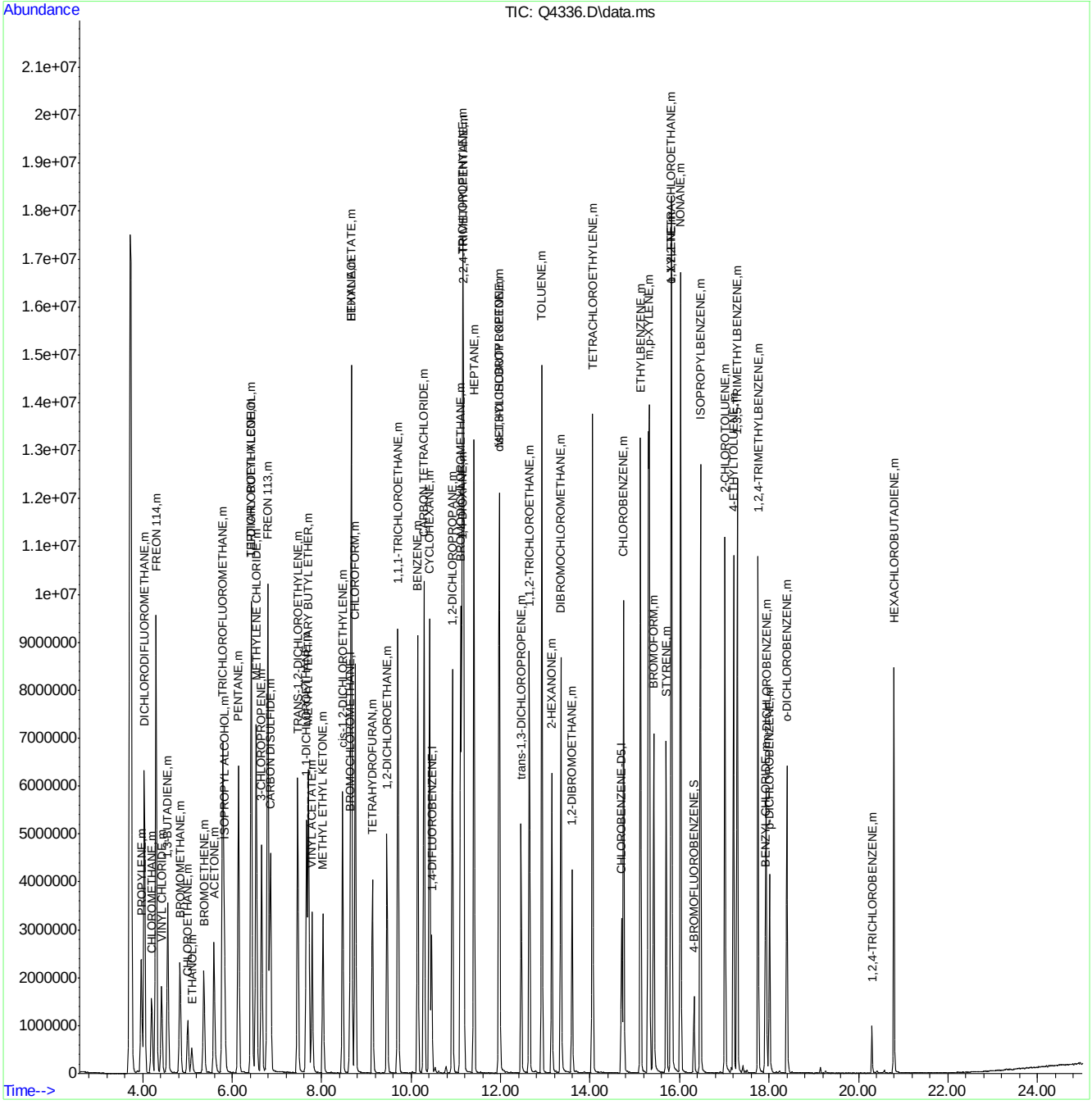
Internal Standards	R.T.	QIon	Response	Conc Units	Dev(Min)
44) METHYL ISOBUTYL KETONE	11.974	43	5601840	57.02 PPBV	100
45) cis-1,3-DICHLOROPROPENE	11.958	75	2950958	56.78 PPBV	98
46) TOLUENE	12.921	92	4846584	60.08 PPBV	99
47) trans-1,3-DICHLOROPROPENE	12.458	75	2019581	56.95 PPBV	98
48) 1,1,2-TRICHLOROETHANE	12.643	83	2048123	44.01 PPBV	99
50) 2-HEXANONE	13.143	43	4070701	62.39 PPBV	98
51) TETRACHLOROETHYLENE	14.054	164	2186584	40.93 PPBV	97
52) DIBROMOCHLOROMETHANE	13.347	129	3794887	41.17 PPBV	99
53) 1,2-DIBROMOETHANE	13.599	107	2474658	43.74 PPBV	99
54) CHLOROBENZENE	14.748	112	3810825	41.61 PPBV	97
55) ETHYLBENZENE	15.127	91	8149188	60.35 PPBV	98
56) m,p-XYLENE	15.321	106	5311499	112.42 PPBV	97
57) o-XYLENE	15.823	106	2591381	54.37 PPBV	99
58) STYRENE	15.702	104	2498951	61.93 PPBV	99
59) NONANE	16.022	43	6315044	60.16 PPBV	97
60) BROMOFORM	15.422	173	2829058	40.38 PPBV	99
62) 1,1,2,2-TETRACHLOROETHANE	15.811	83	4526356	40.10 PPBV	99
63) ISOPROPYLBENZENE	16.466	105	7291489	50.23 PPBV	99
64) 2-CHLOROTOLUENE	17.014	91	5361472	54.07 PPBV	99
65) 4-ETHYLTOLUENE	17.206	105	5641463	54.69 PPBV	99
66) 1,3,5-TRIMETHYLBENZENE	17.291	105	5814394	51.02 PPBV	98
67) 1,2,4-TRIMETHYLBENZENE	17.754	105	4937173	55.71 PPBV	99
68) m-DICHLOROBENZENE	17.937	146	1617352	41.63 PPBV	99
69) BENZYL CHLORIDE	17.914	91	1458211	42.71 PPBV	99
70) p-DICHLOROBENZENE	18.010	146	1170128	40.81 PPBV	97
71) o-DICHLOROBENZENE	18.398	146	1789283	44.88 PPBV	98
72) HEXACHLOROBUTADIENE	20.792	225	1084159	20.87 PPBV	99
73) 1,2,4-TRICHLOROBENZENE	20.301	180	206025	38.85 PPBV	99

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

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\
Data File : Q4336.D
Acq On : 20 Aug 2007 1:29 pm
Operator : danat
Sample : ic230-40 (M090)
Misc : MS14080, MSQ230,,,,,1
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Aug 20 14:04:08 2007
Quant Method : C:\msdchem\1\METHODS\Q082007T.m
Quant Title : TO15 by GCMS w/DB-1 60 m X .25 mm ID 1.0 um
QLast Update : Mon Aug 20 13:55:19 2007
Response via : Initial Calibration



ACCUTEST Laboratories M67589

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\
Data File : Q4338.D
Acq On : 20 Aug 2007 2:53 pm
Operator : danat
Sample : icc230-10 (M090)
Misc : MS14080, MSQ230,,,,,1
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Aug 20 15:21:52 2007
Quant Method : C:\msdchem\1\METHODS\Q082007T.m
Quant Title : TO15 by GCMS w/DB-1 60 m X .25 mm ID 1.0 um
QLast Update : Mon Aug 20 13:55:19 2007
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) BROMOCHLOROMETHANE	8.630	128	254274	10.00	PPBV	0.00
35) 1,4-DIFLUOROBENZENE	10.456	114	1211938	10.00	PPBV	0.00
49) CHLOROBENZENE-D5	14.698	117	933050	10.00	PPBV	0.00

System Monitoring Compounds

61) 4-BROMOFLUOROBENZENE	16.320	95	339769	5.61	PPBV	0.00

Spiked Amount 5.000 Range 57 - 139 Recovery = 112.20%

Target Compounds						Qvalue
2) DICHLORODIFLUOROMETHANE	4.037	85	1223381	7.75	PPBV	100
3) PROPYLENE	3.964	41	287119	9.61	PPBV	96
4) FREON 114	4.296	85	1132467	8.08	PPBV	97
5) CHLOROMETHANE	4.200	50	375034	8.38	PPBV	97
6) VINYL CHLORIDE	4.420	62	387591	8.66	PPBV	100
7) 1,3-BUTADIENE	4.557	39	427026	9.67	PPBV	95
8) BROMOMETHANE	4.832	94	339115	8.10	PPBV	99
9) CHLOROETHANE	5.006	64	177487	9.33	PPBV	96
10) TRICHLOROFLUOROMETHANE	5.787	101	1257028	8.44	PPBV	99
11) ISOPROPYL ALCOHOL	5.824	45	841201	11.60	PPBV	97
12) ACETONE	5.593	43	874759	10.14	PPBV	98
13) PENTANE	6.138	42	541250	8.95	PPBV	99
14) 1,1-DICHLOROETHYLENE	6.422	96	374166	8.79	PPBV #	87
15) CARBON DISULFIDE	6.853	76	1352812	8.77	PPBV	96
16) ETHANOL	5.094	45	149887	10.17	PPBV	98
17) BROMOETHENE	5.370	106	307874	8.38	PPBV	99
18) METHYLENE CHLORIDE	6.537	84	645037	9.81	PPBV	93
19) 3-CHLOROPROPENE	6.656	39	521153	10.99	PPBV	98
20) FREON 113	6.798	151	633936	8.60	PPBV	94
21) TRANS-1,2-DICHLOROETHY...	7.464	96	387300	9.60	PPBV	93
22) TERTIARY BUTYL ALCOHOL	6.426	59	916916	12.18	PPBV	97
23) METHYL TERTIARY BUTYL ...	7.703	73	1007406	12.50	PPBV	98
24) TETRAHYDROFURAN	9.136	42	398794	14.81	PPBV	96
25) HEXANE	8.662	57	735547	10.42	PPBV	98
26) VINYL ACETATE	7.785	43	860729	11.58	PPBV	95
27) 1,1-DICHLOROETHANE	7.663	63	986188	10.33	PPBV	100
28) METHYL ETHYL KETONE	8.026	43	827826	12.91	PPBV	97
29) cis-1,2-DICHLOROETHYLENE	8.467	96	291262	10.43	PPBV	91
30) ETHYL ACETATE	8.662	43	1637355	11.95	PPBV	100
31) CHLOROFORM	8.749	83	1045899	10.04	PPBV	97
32) 1,1,1-TRICHLOROETHANE	9.702	97	988615	9.79	PPBV	97
33) CARBON TETRACHLORIDE	10.287	117	1098278	9.56	PPBV	100
34) 1,2-DICHLOROETHANE	9.460	62	673216	10.62	PPBV	99
36) BENZENE	10.145	78	965845	10.36	PPBV	99
37) CYCLOHEXANE	10.408	84	437019	11.83	PPBV	97
38) TRICHLOROETHYLENE	11.141	95	546898	10.44	PPBV	97
39) 1,2-DICHLOROPROPANE	10.918	63	384365	10.56	PPBV	99
40) BROMODICHLOROMETHANE	11.100	83	947792	9.62	PPBV	99
41) 2,2,4-TRIMETHYLPENTANE	11.166	57	2149948	12.09	PPBV #	97
42) 1,4-DIOXANE	11.129	88	180064	11.28	PPBV	97
43) HEPTANE	11.400	43	865124	13.19	PPBV	96

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\
Data File : Q4338.D
Acq On : 20 Aug 2007 2:53 pm
Operator : danat
Sample : icc230-10 (M090)
Misc : MS14080, MSQ230,,,,,1
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Aug 20 15:21:52 2007
Quant Method : C:\msdchem\1\METHODS\Q082007T.m
Quant Title : TO15 by GCMS w/DB-1 60 m X .25 mm ID 1.0 um
QLast Update : Mon Aug 20 13:55:19 2007
Response via : Initial Calibration

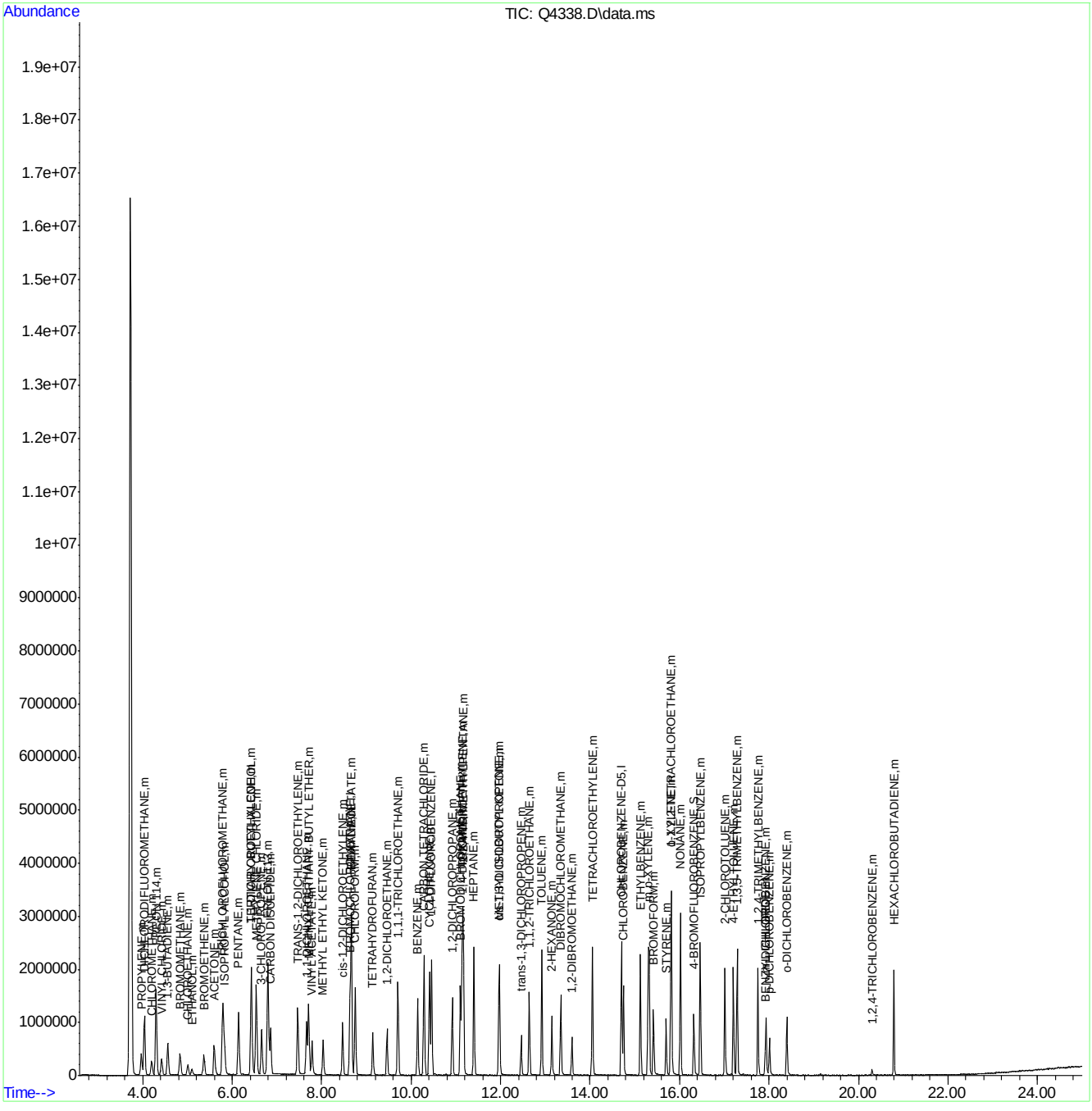
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) METHYL ISOBUTYL KETONE	11.974	43	1032355	14.05	PPBV	98
45) cis-1,3-DICHLOROPROPENE	11.958	75	436387	11.23	PPBV	89
46) TOLUENE	12.916	92	717751	11.90	PPBV	98
47) trans-1,3-DICHLOROPROPENE	12.456	75	280163	10.56	PPBV	95
48) 1,1,2-TRICHLOROETHANE	12.639	83	343927	9.88	PPBV	97
50) 2-HEXANONE	13.141	43	693009	14.36	PPBV	97
51) TETRACHLOROETHYLENE	14.050	164	358594	9.07	PPBV	95
52) DIBROMOCHLOROMETHANE	13.345	129	629009	9.23	PPBV	99
53) 1,2-DIBROMOETHANE	13.596	107	399562	9.55	PPBV	100
54) CHLOROBENZENE	14.744	112	634768	9.37	PPBV	99
55) ETHYLBENZENE	15.124	91	1232484	12.34	PPBV	99
56) m,p-XYLENE	15.301	106	881539	25.22	PPBV	98
57) o-XYLENE	15.819	106	445214	12.63	PPBV	97
58) STYRENE	15.699	104	347242	11.63	PPBV	98
59) NONANE	16.018	43	1067872	13.75	PPBV	98
60) BROMOFORM	15.417	173	464275	8.96	PPBV	100
62) 1,1,2,2-TETRACHLOROETHANE	15.805	83	848512	10.16	PPBV	99
63) ISOPROPYLBENZENE	16.462	105	1311345	12.21	PPBV	99
64) 2-CHLOROTOLUENE	17.012	91	892206	12.16	PPBV	98
65) 4-ETHYLTOLUENE	17.202	105	979599	12.84	PPBV	100
66) 1,3,5-TRIMETHYLBENZENE	17.287	105	1080518	12.82	PPBV	99
67) 1,2,4-TRIMETHYLBENZENE	17.754	105	854897	13.04	PPBV	99
68) m-DICHLOROBENZENE	17.935	146	282127	9.82	PPBV	98
69) BENZYL CHLORIDE	17.910	91	222658	8.82	PPBV	96
70) p-DICHLOROBENZENE	18.011	146	207415	9.78	PPBV	98
71) o-DICHLOROBENZENE	18.398	146	300728	10.20	PPBV	98
72) HEXACHLOROBUTADIENE	20.792	225	231649	6.03	PPBV	99
73) 1,2,4-TRICHLOROBENZENE	20.304	180	23944	6.10	PPBV	92

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

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\
Data File : Q4338.D
Acq On : 20 Aug 2007 2:53 pm
Operator : danat
Sample : icc230-10 (M090)
Misc : MS14080, MSQ230,,,,,1
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Aug 20 15:21:52 2007
Quant Method : C:\msdchem\1\METHODS\Q082007T.m
Quant Title : TO15 by GCMS w/DB-1 60 m X .25 mm ID 1.0 um
QLast Update : Mon Aug 20 13:55:19 2007
Response via : Initial Calibration



ACCUTEST Laboratories M67589

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\
Data File : Q4339.D
Acq On : 20 Aug 2007 3:35 pm
Operator : danat
Sample : ic230-5 (M090)
Misc : MS14080, MSQ230,,,,,1
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Aug 20 16:14:42 2007
Quant Method : C:\msdchem\1\METHODS\Q082007T.m
Quant Title : TO15 by GCMS w/DB-1 60 m X .25 mm ID 1.0 um
QLast Update : Mon Aug 20 15:23:55 2007
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) BROMOCHLOROMETHANE	8.628	128	271883	10.00	PPBV	0.00
35) 1,4-DIFLUOROBENZENE	10.458	114	1302201	10.00	PPBV	0.00
49) CHLOROBENZENE-D5	14.698	117	1005255	10.00	PPBV	0.00

System Monitoring Compounds

61) 4-BROMOFLUOROBENZENE	16.318	95	357083	5.26	PPBV	0.00

Spiked Amount 5.000 Range 57 - 139 Recovery = 105.20%

Target Compounds						Qvalue
2) DICHLORODIFLUOROMETHANE	4.033	85	598763	4.19	PPBV	100
3) PROPYLENE	3.966	41	121948	3.94	PPBV	95
4) FREON 114	4.296	85	587212	4.24	PPBV	98
5) CHLOROMETHANE	4.198	50	186270	3.96	PPBV	97
6) VINYL CHLORIDE	4.418	62	190981	4.34	PPBV	100
7) 1,3-BUTADIENE	4.553	39	211465	4.50	PPBV	98
8) BROMOMETHANE	4.834	94	176897	4.34	PPBV	100
9) CHLOROETHANE	5.006	64	91595	4.36	PPBV	100
10) TRICHLOROFLUOROMETHANE	5.787	101	649572	4.75	PPBV	100
11) ISOPROPYL ALCOHOL	5.824	45	374586	4.68	PPBV	95
12) ACETONE	5.599	43	431105	4.07	PPBV	100
13) PENTANE	6.142	42	280629	4.47	PPBV	98
14) 1,1-DICHLOROETHYLENE	6.422	96	184410	4.74	PPBV	97
15) CARBON DISULFIDE	6.853	76	673794	4.64	PPBV	99
16) ETHANOL	5.100	45	69969	3.66	PPBV	92
17) BROMOETHENE	5.366	106	154360	4.51	PPBV	99
18) METHYLENE CHLORIDE	6.537	84	294320	3.66	PPBV	99
19) 3-CHLOROPROPENE	6.655	39	240680	4.44	PPBV	100
20) FREON 113	6.797	151	315451	4.66	PPBV	97
21) TRANS-1,2-DICHLOROETHY...	7.464	96	182947	4.73	PPBV	99
22) TERTIARY BUTYL ALCOHOL	6.429	59	407609	5.03	PPBV	95
23) METHYL TERTIARY BUTYL ...	7.711	73	421491	4.83	PPBV	97
24) TETRAHYDROFURAN	9.143	42	149636	4.80	PPBV	99
25) HEXANE	8.664	57	315369	4.71	PPBV	95
26) VINYL ACETATE	7.787	43	351022	4.47	PPBV	90
27) 1,1-DICHLOROETHANE	7.663	63	461321	4.48	PPBV	99
28) METHYL ETHYL KETONE	8.032	43	337843	4.92	PPBV	98
29) cis-1,2-DICHLOROETHYLENE	8.467	96	116753	4.24	PPBV	99
30) ETHYL ACETATE	8.660	43	719956	5.01	PPBV	100
31) CHLOROFORM	8.747	83	480065	4.47	PPBV	99
32) 1,1,1-TRICHLOROETHANE	9.700	97	447595	4.56	PPBV	99
33) CARBON TETRACHLORIDE	10.288	117	510303	4.77	PPBV	100
34) 1,2-DICHLOROETHANE	9.461	62	292753	4.46	PPBV	99
36) BENZENE	10.142	78	389858	4.21	PPBV	100
37) CYCLOHEXANE	10.408	84	181434	5.35	PPBV	91
38) TRICHLOROETHYLENE	11.141	95	235759	4.86	PPBV	99
39) 1,2-DICHLOROPROPANE	10.918	63	159191	4.23	PPBV	97
40) BROMODICHLOROMETHANE	11.100	83	403706	4.16	PPBV	99
41) 2,2,4-TRIMETHYLPENTANE	11.161	57	903123	5.03	PPBV	98
42) 1,4-DIOXANE	11.131	88	68078	4.02	PPBV	91
43) HEPTANE	11.400	43	342457	4.79	PPBV	99

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\
Data File : Q4339.D
Acq On : 20 Aug 2007 3:35 pm
Operator : danat
Sample : ic230-5 (M090)
Misc : MS14080, MSQ230,,,,,1
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Aug 20 16:14:42 2007
Quant Method : C:\msdchem\1\METHODS\Q082007T.m
Quant Title : TO15 by GCMS w/DB-1 60 m X .25 mm ID 1.0 um
QLast Update : Mon Aug 20 15:23:55 2007
Response via : Initial Calibration

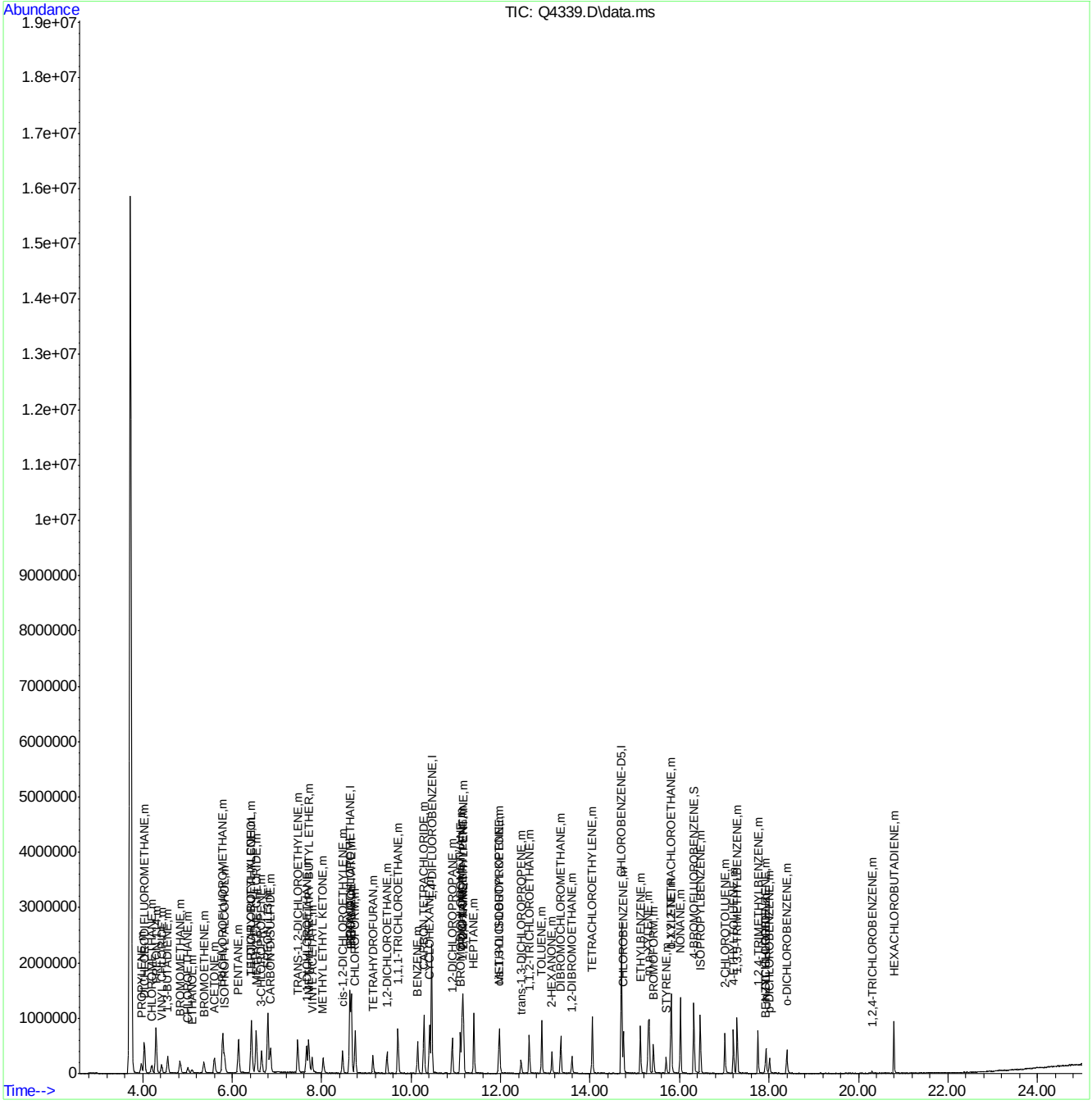
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) METHYL ISOBUTYL KETONE	11.975	43	406414	5.11	PPBV	97
45) cis-1,3-DICHLOROPROPENE	11.959	75	157560	4.01	PPBV	93
46) TOLUENE	12.920	92	273392	3.93	PPBV	99
47) trans-1,3-DICHLOROPROPENE	12.455	75	99737	3.81	PPBV	99
48) 1,1,2-TRICHLOROETHANE	12.636	83	147675	4.36	PPBV	98
50) 2-HEXANONE	13.147	43	241059	4.43	PPBV	97
51) TETRACHLOROETHYLENE	14.050	164	145897	4.34	PPBV	99
52) DIBROMOCHLOROMETHANE	13.344	129	269032	4.33	PPBV	99
53) 1,2-DIBROMOETHANE	13.594	107	162931	4.33	PPBV	99
54) CHLOROBENZENE	14.746	112	273162	4.44	PPBV	97
55) ETHYLBENZENE	15.126	91	438812	4.37	PPBV	98
56) m,p-XYLENE	15.300	106	344805	10.08	PPBV	87
57) o-XYLENE	15.818	106	172421	4.95	PPBV	98
58) STYRENE	15.701	104	100048	3.37	PPBV	97
59) NONANE	16.018	43	425305	4.98	PPBV	99
60) BROMOFORM	15.415	173	188448	4.25	PPBV	97
62) 1,1,2,2-TETRACHLOROETHANE	15.804	83	372581	4.71	PPBV	98
63) ISOPROPYLBENZENE	16.462	105	522009	4.91	PPBV	99
64) 2-CHLOROTOLUENE	17.014	91	326269	4.45	PPBV	99
65) 4-ETHYLTOLUENE	17.204	105	355770	4.58	PPBV	99
66) 1,3,5-TRIMETHYLBENZENE	17.284	105	437339	5.20	PPBV	100
67) 1,2,4-TRIMETHYLBENZENE	17.754	105	306745	4.53	PPBV	100
68) m-DICHLOROBENZENE	17.935	146	120077	4.97	PPBV	98
69) BENZYL CHLORIDE	17.908	91	82776	3.46	PPBV	98
70) p-DICHLOROBENZENE	18.008	146	85384	4.99	PPBV	92
71) o-DICHLOROBENZENE	18.398	146	120186	4.51	PPBV	98
72) HEXACHLOROBUTADIENE	20.792	225	105905	3.45	PPBV	99
73) 1,2,4-TRICHLOROBENZENE	20.301	180	7663	2.28	PPBV	85

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

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\
Data File : Q4339.D
Acq On : 20 Aug 2007 3:35 pm
Operator : danat
Sample : ic230-5 (M090)
Misc : MS14080, MSQ230,,,,,1
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Aug 20 16:14:42 2007
Quant Method : C:\msdchem\1\METHODS\Q082007T.m
Quant Title : TO15 by GCMS w/DB-1 60 m X .25 mm ID 1.0 um
QLast Update : Mon Aug 20 15:23:55 2007
Response via : Initial Calibration



ACCUTEST Laboratories M67589

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\
Data File : Q4340.D
Acq On : 20 Aug 2007 4:17 pm
Operator : danat
Sample : ic230-2 (M090)
Misc : MS14080, MSQ230,,,,,1
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Aug 20 16:42:52 2007
Quant Method : C:\msdchem\1\METHODS\Q082007T.m
Quant Title : TO15 by GCMS w/DB-1 60 m X .25 mm ID 1.0 um
QLast Update : Mon Aug 20 16:14:55 2007
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) BROMOCHLOROMETHANE	8.628	128	291443	10.00	PPBV	0.00
35) 1,4-DIFLUOROBENZENE	10.456	114	1461647	10.00	PPBV	0.00
49) CHLOROBENZENE-D5	14.699	117	1105785	10.00	PPBV	0.00

System Monitoring Compounds

61) 4-BROMOFLUOROBENZENE	16.320	95	366080	4.86	PPBV	0.00

Spiked Amount 5.000 Range 57 - 139 Recovery = 97.20%

Target Compounds						Qvalue
2) DICHLORODIFLUOROMETHANE	4.037	85	319686	2.14	PPBV	100
3) PROPYLENE	3.966	41	60010	1.87	PPBV	93
4) FREON 114	4.294	85	319443	2.21	PPBV	99
5) CHLOROMETHANE	4.202	50	105379	2.17	PPBV	99
6) VINYL CHLORIDE	4.413	62	101509	2.20	PPBV	97
7) 1,3-BUTADIENE	4.553	39	104139	2.10	PPBV	97
8) BROMOMETHANE	4.830	94	96549	2.26	PPBV	99
9) CHLOROETHANE	5.006	64	46088	2.09	PPBV	97
10) TRICHLOROFLUOROMETHANE	5.783	101	333357	2.29	PPBV	98
11) ISOPROPYL ALCOHOL	5.831	45	177020	2.09	PPBV	88
12) ACETONE	5.604	43	211142	1.92	PPBV	98
13) PENTANE	6.138	42	139159	2.11	PPBV	95
14) 1,1-DICHLOROETHYLENE	6.420	96	90216	2.18	PPBV	94
15) CARBON DISULFIDE	6.855	76	341191	2.22	PPBV	100
16) ETHANOL	5.100	45	37608	1.92	PPBV #	56
17) BROMOETHENE	5.361	106	75742	2.10	PPBV	98
18) METHYLENE CHLORIDE	6.536	84	154888	1.88	PPBV	97
19) 3-CHLOROPROPENE	6.651	39	106387	1.87	PPBV	96
20) FREON 113	6.798	151	161534	2.25	PPBV	100
21) TRANS-1,2-DICHLOROETHY...	7.465	96	85369	2.08	PPBV	99
22) TERTIARY BUTYL ALCOHOL	6.434	59	187884	2.16	PPBV	91
23) METHYL TERTIARY BUTYL ...	7.716	73	186081	2.00	PPBV	96
24) TETRAHYDROFURAN	9.148	42	51812	1.56	PPBV	97
25) HEXANE	8.663	57	132242	1.86	PPBV	84
26) VINYL ACETATE	7.789	43	163342	1.97	PPBV #	46
27) 1,1-DICHLOROETHANE	7.661	63	223165	2.06	PPBV	99
28) METHYL ETHYL KETONE	8.035	43	138689	1.89	PPBV	98
29) cis-1,2-DICHLOROETHYLENE	8.470	96	47472	1.65	PPBV	99
30) ETHYL ACETATE	8.665	43	316390	2.05	PPBV	99
31) CHLOROFORM	8.745	83	228083	2.02	PPBV	99
32) 1,1,1-TRICHLOROETHANE	9.702	97	209702	2.02	PPBV	99
33) CARBON TETRACHLORIDE	10.284	117	242697	2.13	PPBV	98
34) 1,2-DICHLOROETHANE	9.457	62	136779	1.98	PPBV	98
36) BENZENE	10.144	78	158955	1.57	PPBV	98
37) CYCLOHEXANE	10.415	84	73747	1.92	PPBV #	76
38) TRICHLOROETHYLENE	11.145	95	99764	1.84	PPBV	98
39) 1,2-DICHLOROPROPANE	10.917	63	69703	1.69	PPBV	95
40) BROMODICHLOROMETHANE	11.102	83	184183	1.74	PPBV	98
41) 2,2,4-TRIMETHYLPENTANE	11.161	57	371818	1.84	PPBV	94
42) 1,4-DIOXANE	11.143	88	25687	1.41	PPBV #	1
43) HEPTANE	11.402	43	122973	1.54	PPBV	99

ACCUTEST Laboratories M67589

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\
Data File : Q4340.D
Acq On : 20 Aug 2007 4:17 pm
Operator : danat
Sample : ic230-2 (M090)
Misc : MS14080, MSQ230,,,,,1
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Aug 20 16:42:52 2007
Quant Method : C:\msdchem\1\METHODS\Q082007T.m
Quant Title : TO15 by GCMS w/DB-1 60 m X .25 mm ID 1.0 um
QLast Update : Mon Aug 20 16:14:55 2007
Response via : Initial Calibration

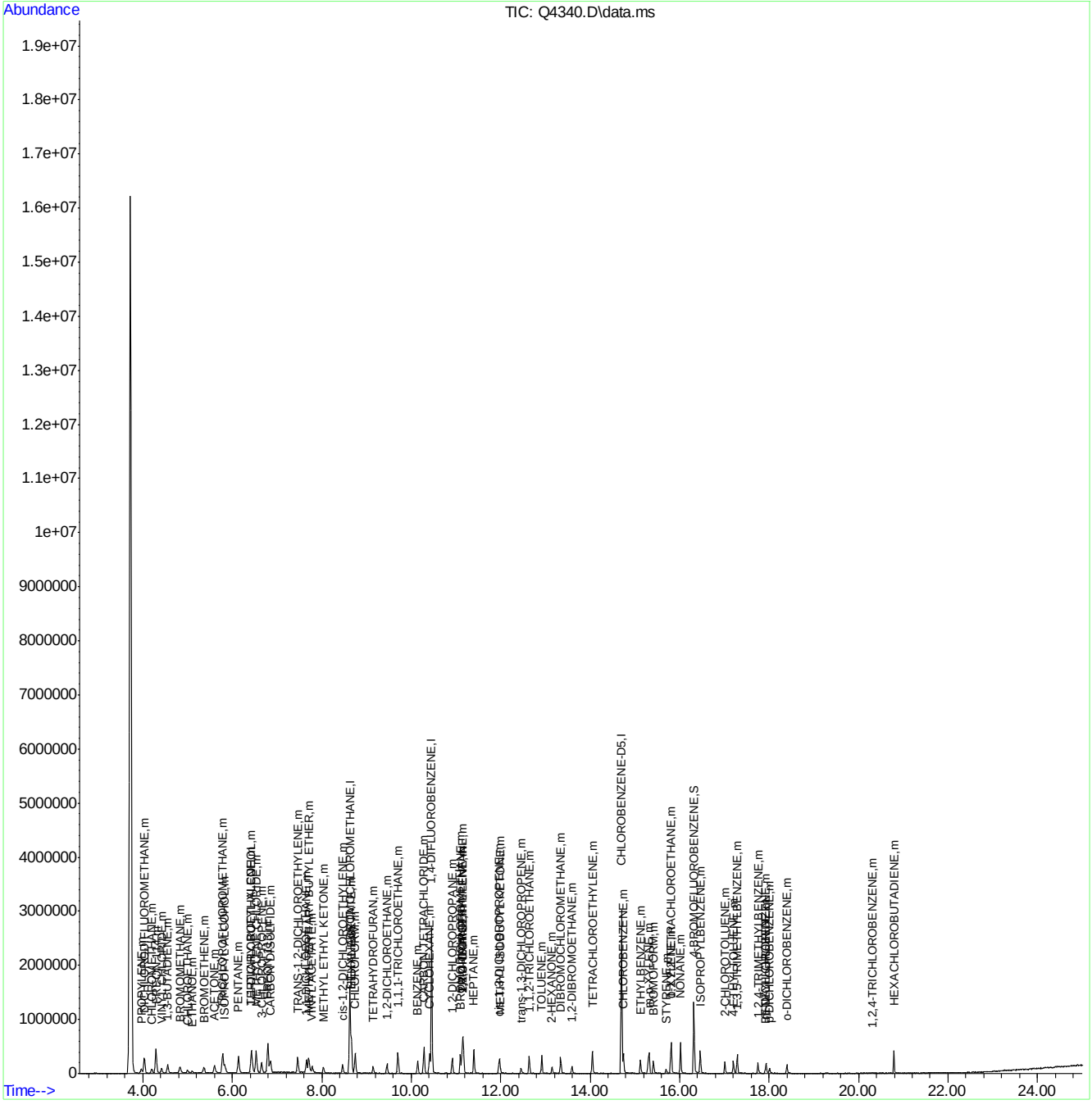
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) METHYL ISOBUTYL KETONE	11.979	43	148271	1.65	PPBV	95
45) cis-1,3-DICHLOROPROPENE	11.957	75	57703	1.35	PPBV	90
46) TOLUENE	12.921	92	96903	1.29	PPBV	95
47) trans-1,3-DICHLOROPROPENE	12.456	75	38256	1.36	PPBV	99
48) 1,1,2-TRICHLOROETHANE	12.641	83	68486	1.84	PPBV	98
50) 2-HEXANONE	13.148	43	80350	1.37	PPBV	92
51) TETRACHLOROETHYLENE	14.052	164	62707	1.73	PPBV	96
52) DIBROMOCHLOROMETHANE	13.342	129	120639	1.80	PPBV	99
53) 1,2-DIBROMOETHANE	13.596	107	69616	1.72	PPBV	100
54) CHLOROBENZENE	14.744	112	123758	1.86	PPBV	99
55) ETHYLBENZENE	15.125	91	141257	1.31	PPBV	98
56) m,p-XYLENE	15.321	106	120173	3.19	PPBV	98
57) o-XYLENE	15.818	106	57587	1.51	PPBV	98
58) STYRENE	15.700	104	33008	1.07	PPBV	96
59) NONANE	16.020	43	155193	1.65	PPBV	99
60) BROMOFORM	15.415	173	85681	1.80	PPBV	99
62) 1,1,2,2-TETRACHLOROETHANE	15.803	83	171169	1.99	PPBV	98
63) ISOPROPYLBENZENE	16.464	105	191248	1.64	PPBV	99
64) 2-CHLOROTOLUENE	17.014	91	104351	1.32	PPBV	100
65) 4-ETHYLTOLUENE	17.207	105	103724	1.23	PPBV	98
66) 1,3,5-TRIMETHYLBENZENE	17.289	105	148074	1.59	PPBV	98
67) 1,2,4-TRIMETHYLBENZENE	17.756	105	83784	1.14	PPBV	98
68) m-DICHLOROBENZENE	17.938	146	47350	1.78	PPBV	99
69) BENZYL CHLORIDE	17.912	91	33623	1.36	PPBV	96
70) p-DICHLOROBENZENE	18.009	146	28235	1.50	PPBV	90
71) o-DICHLOROBENZENE	18.395	146	46712	1.62	PPBV	97
72) HEXACHLOROBUTADIENE	20.789	225	47481	1.48	PPBV	100
73) 1,2,4-TRICHLOROBENZENE	20.308	180	2954	0.90	PPBV #	19

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

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\
Data File : Q4340.D
Acq On : 20 Aug 2007 4:17 pm
Operator : danat
Sample : ic230-2 (M090)
Misc : MS14080, MSQ230,,,,,1
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Aug 20 16:42:52 2007
Quant Method : C:\msdchem\1\METHODS\Q082007T.m
Quant Title : TO15 by GCMS w/DB-1 60 m X .25 mm ID 1.0 um
QLast Update : Mon Aug 20 16:14:55 2007
Response via : Initial Calibration



Q4341.D

Manual Integrations APPROVED (compounds with "m" flag)

Philip Bassignani 08/29/07 08:52

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\
Data File : Q4341.D
Acq On : 20 Aug 2007 5:06 pm
Operator : danat
Sample : ic230-20 (M090)
Misc : MS14080, MSQ230,,,,,1
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Aug 20 17:33:09 2007
Quant Method : C:\msdchem\1\METHODS\Q082007T.m
Quant Title : TO15 by GCMS w/DB-1 60 m X .25 mm ID 1.0 um
QLast Update : Mon Aug 20 16:48:00 2007
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) BROMOCHLOROMETHANE	8.632	128	309985	10.00	PPBV	0.00
35) 1,4-DIFLUOROBENZENE	10.456	114	1466856	10.00	PPBV	0.00
49) CHLOROBENZENE-D5	14.701	117	1101159	10.00	PPBV	0.00

System Monitoring Compounds

61) 4-BROMOFLUOROBENZENE	16.322	95	402686	5.39	PPBV	0.00

Spiked Amount 5.000 Range 57 - 139 Recovery = 107.80%

Target Compounds						Qvalue
2) DICHLORODIFLUOROMETHANE	4.039	85	3337423	20.83	PPBV	100
3) PROPYLENE	3.964	41	755021	22.36	PPBV	96
4) FREON 114	4.298	85	3057181	19.58	PPBV	99
5) CHLOROMETHANE	4.198	50	971046	18.55	PPBV	95
6) VINYL CHLORIDE	4.424	62	1005740	20.22	PPBV	99
7) 1,3-BUTADIENE	4.557	39	1084893	20.44	PPBV	99
8) BROMOMETHANE	4.834	94	863169	18.65	PPBV	99
9) CHLOROETHANE	5.009	64	462755	19.62	PPBV	98
10) TRICHLOROFLUOROMETHANE	5.785	101	3012252	19.09	PPBV	99
11) ISOPROPYL ALCOHOL	5.822	45	1668105	18.37	PPBV	96
12) ACETONE	5.591	43	1937502	16.65	PPBV	98
13) PENTANE	6.138	42	1310621	18.51	PPBV	100
14) 1,1-DICHLOROETHYLENE	6.424	96	895916	20.11	PPBV	96
15) CARBON DISULFIDE	6.855	76	3237284	19.47	PPBV	97
16) ETHANOL	5.098	45	313351	15.13	PPBV	98
17) BROMOETHENE	5.368	106	756054	19.54	PPBV	99
18) METHYLENE CHLORIDE	6.537	84	1342807	15.46	PPBV	98
19) 3-CHLOROPROPENE	6.658	39	1260599	21.00	PPBV	99
20) FREON 113	6.798	151	1452423	18.70	PPBV	98
21) TRANS-1,2-DICHLOROETHY...	7.467	96	869195	19.79	PPBV	99
22) TERTIARY BUTYL ALCOHOL	6.426	59	1896032	20.28	PPBV	100
23) METHYL TERTIARY BUTYL ...	7.705	73	2070071	20.94	PPBV	99
24) TETRAHYDROFURAN	9.137	42	890452	19.05	PPBV	98
25) HEXANE	8.664	57	1682799	22.47	PPBV	98
26) VINYL ACETATE	7.785	43	1940256	22.09	PPBV	95
27) 1,1-DICHLOROETHANE	7.661	63	2382353	20.58	PPBV	99
28) METHYL ETHYL KETONE	8.028	43	1790174	23.11	PPBV	97
29) cis-1,2-DICHLOROETHYLENE	8.468	96	728707	19.21	PPBV	99
30) ETHYL ACETATE	8.660	43	3617664	22.00	PPBV	100
31) CHLOROFORM	8.749	83	2434664	20.21	PPBV	99
32) 1,1,1-TRICHLOROETHANE	9.705	97	2289192	20.74	PPBV	100
33) CARBON TETRACHLORIDE	10.289	117	2383198	19.52	PPBV	100
34) 1,2-DICHLOROETHANE	9.460	62	1642738	22.37	PPBV	99
36) BENZENE	10.146	78	2523038	20.09	PPBV	100
37) CYCLOHEXANE	10.410	84	994027	19.54	PPBV	99
38) TRICHLOROETHYLENE	11.139	95	1303793	24.25	PPBV	99
39) 1,2-DICHLOROPROPANE	10.919	63	954109	23.63	PPBV	99
40) BROMODICHLOROMETHANE	11.104	83	2311047	22.18	PPBV	99
41) 2,2,4-TRIMETHYLPENTANE	11.164	57	5152681	20.74	PPBV	99
42) 1,4-DIOXANE	11.129	88	410849	19.21	PPBV	89
43) HEPTANE	11.402	43	2101488	20.88	PPBV	100

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\
Data File : Q4341.D
Acq On : 20 Aug 2007 5:06 pm
Operator : danat
Sample : ic230-20 (M090)
Misc : MS14080, MSQ230,,,,,1
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Aug 20 17:33:09 2007
Quant Method : C:\msdchem\1\METHODS\Q082007T.m
Quant Title : TO15 by GCMS w/DB-1 60 m X .25 mm ID 1.0 um
QLast Update : Mon Aug 20 16:48:00 2007
Response via : Initial Calibration

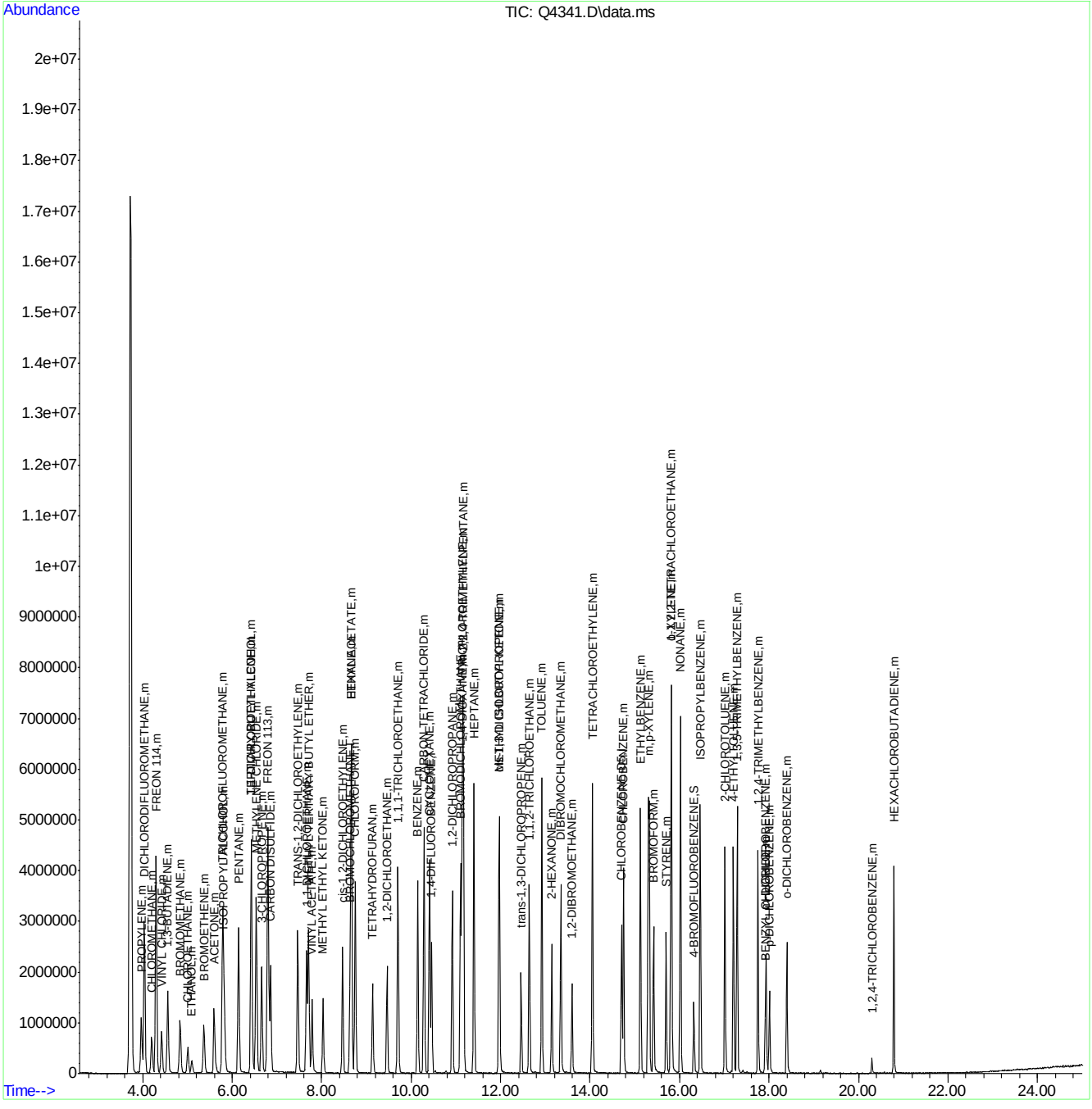
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) METHYL ISOBUTYL KETONE	11.974	43	2308363	19.76	PPBV	99
45) cis-1,3-DICHLOROPROPENE	11.959	75	1142155	20.40	PPBV	93
46) TOLUENE	12.921	92	1813981	19.44	PPBV	99
47) trans-1,3-DICHLOROPROPENE	12.458	75	741504	19.59	PPBV	98
48) 1,1,2-TRICHLOROETHANE	12.639	83	826087	22.37	PPBV	97
50) 2-HEXANONE	13.141	43	1610064	20.73	PPBV	97
51) TETRACHLOROETHYLENE	14.054	164	889731	25.18	PPBV	98
52) DIBROMOCHLOROMETHANE	13.347	129	1564305	23.83	PPBV	99
53) 1,2-DIBROMOETHANE	13.597	107	975794	24.72	PPBV	100
54) CHLOROBENZENE	14.746	112	1528081	23.32	PPBV	98
55) ETHYLBENZENE	15.126	91	3074104	20.74	PPBV	99
56) m,p-XYLENE	15.321	106	2080162	39.87	PPBV	98
57) o-XYLENE	15.819	106	1023618	19.34	PPBV	99
58) STYRENE	15.699	104	926863	19.54	PPBV	99
59) NONANE	16.020	43	2562058	20.28	PPBV	100
60) BROMOFORM	15.420	173	1123603	24.09	PPBV	98
62) 1,1,2,2-TETRACHLOROETHANE	15.807	83	1841825m	21.50	PPBV	
63) ISOPROPYLBENZENE	16.462	105	2961592	18.18	PPBV	99
64) 2-CHLOROTOLUENE	17.014	91	2112470	18.19	PPBV	99
65) 4-ETHYLTOLUENE	17.204	105	2264852	17.27	PPBV	99
66) 1,3,5-TRIMETHYLBENZENE	17.287	105	2393590	17.35	PPBV	100
67) 1,2,4-TRIMETHYLBENZENE	17.752	105	1973430	17.18	PPBV	100
68) m-DICHLOROBENZENE	17.937	146	634512	16.10	PPBV	99
69) BENZYL CHLORIDE	17.912	91	530584	16.47	PPBV	97
70) p-DICHLOROBENZENE	18.010	146	461444	15.75	PPBV	96
71) o-DICHLOROBENZENE	18.396	146	689912	15.83	PPBV	99
72) HEXACHLOROBUTADIENE	20.792	225	471779	15.48	PPBV	99
73) 1,2,4-TRICHLOROBENZENE	20.303	180	59749	14.65	PPBV	94

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

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\
Data File : Q4341.D
Acq On : 20 Aug 2007 5:06 pm
Operator : danat
Sample : ic230-20 (M090)
Misc : MS14080, MSQ230,,,,,1
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Aug 20 17:33:09 2007
Quant Method : C:\msdchem\1\METHODS\Q082007T.m
Quant Title : TO15 by GCMS w/DB-1 60 m X .25 mm ID 1.0 um
QLast Update : Mon Aug 20 16:48:00 2007
Response via : Initial Calibration

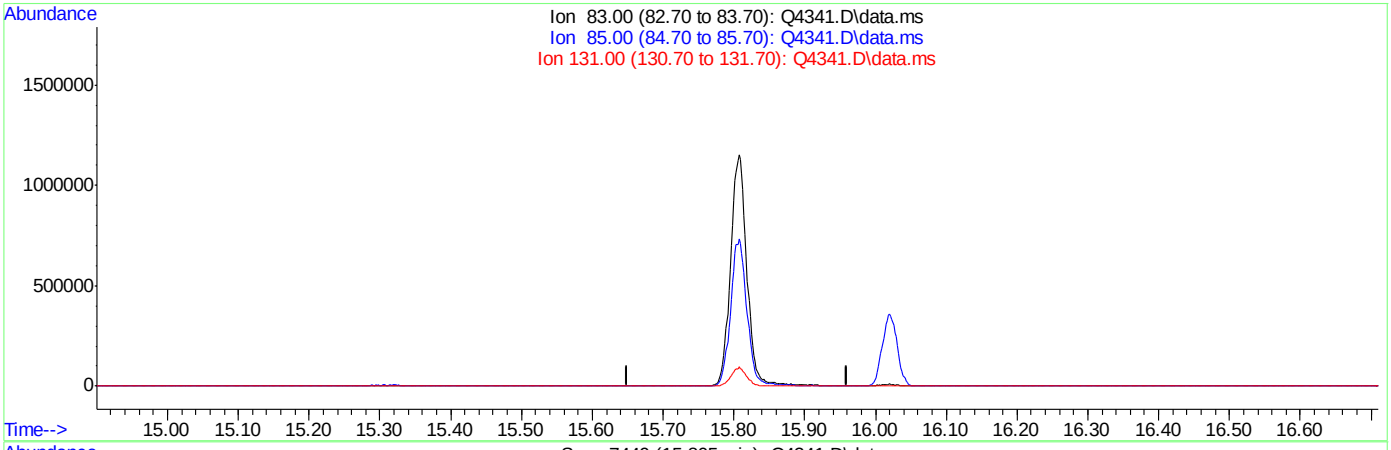


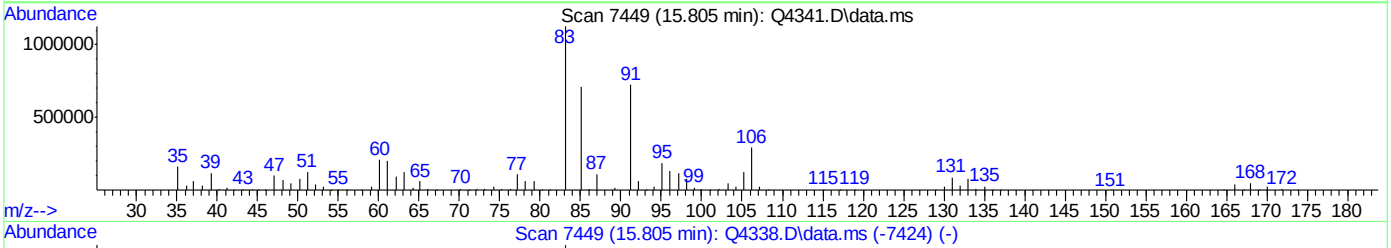
ACCUTEST Laboratories M67589

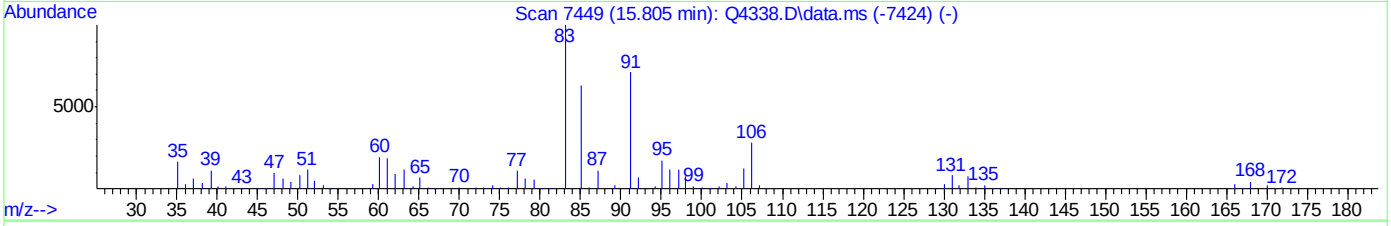
Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\
Data File : Q4341.D
Acq On : 20 Aug 2007 5:06 pm
Operator : danat
Sample : ic230-20 (M090)
Misc : MS14080, MSQ230,,,,,1
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Aug 20 17:31:56 2007
Quant Method : C:\msdchem\1\METHODS\Q082007T.m
Quant Title : TO15 by GCMS w/DB-1 60 m X .25 mm ID 1.0 um
QLast Update : Mon Aug 20 16:48:00 2007
Response via : Initial Calibration







TIC: Q4341.D\data.ms

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

15.805min (-15.805) 0.00PPBV

response 0

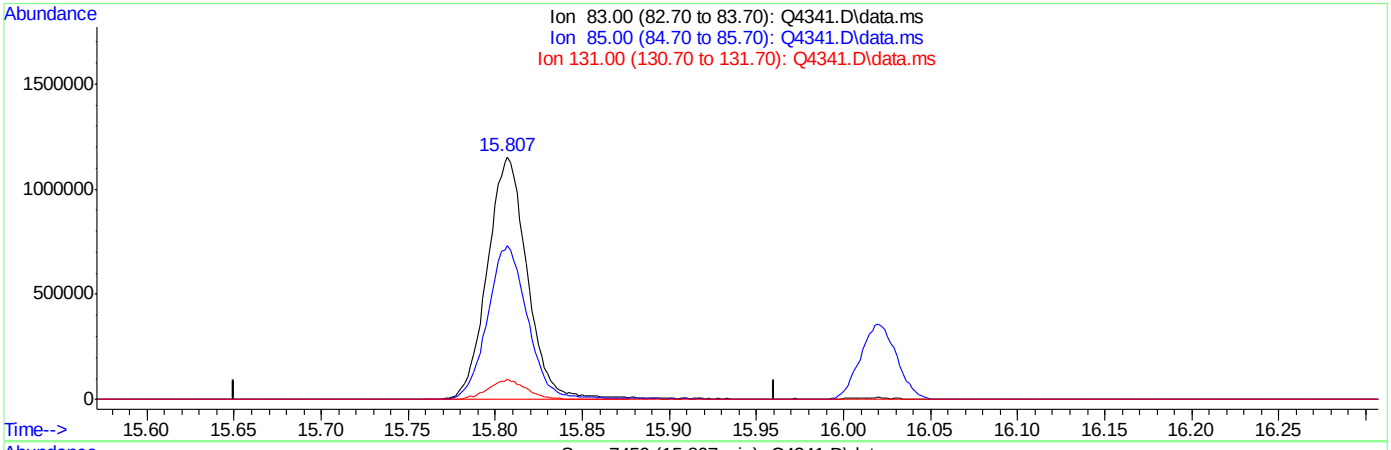
Ion	Exp%	Act%
83.00	100	0.00
85.00	63.70	0.00#
131.00	7.90	0.00
0.00	0.00	0.00

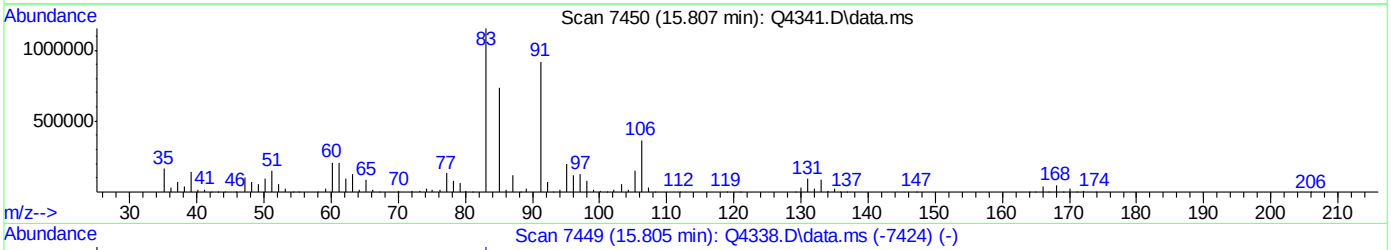
ACCUTEST Laboratories M67589

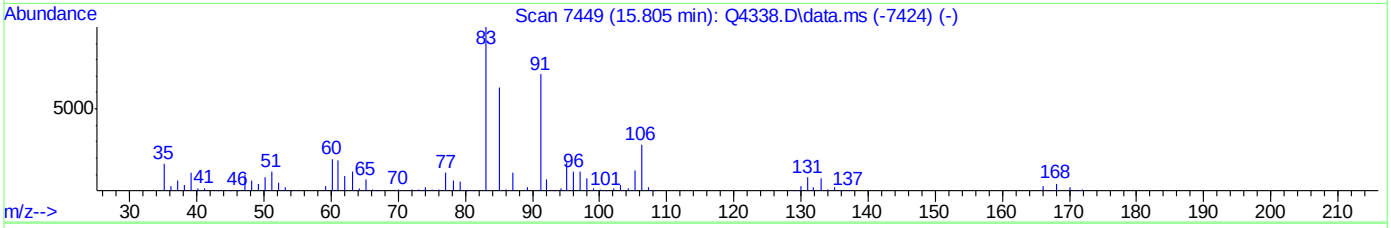
Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\
Data File : Q4341.D
Acq On : 20 Aug 2007 5:06 pm
Operator : danat
Sample : ic230-20 (M090)
Misc : MS14080, MSQ230,,,,,1
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Aug 20 17:31:56 2007
Quant Method : C:\msdchem\1\METHODS\Q082007T.m
Quant Title : TO15 by GCMS w/DB-1 60 m X .25 mm ID 1.0 um
QLast Update : Mon Aug 20 16:48:00 2007
Response via : Initial Calibration







TIC: Q4341.D\data.ms

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

15.807min (+0.002) 21.50PPBV m

response 1841825

Ion	Exp%	Act%
83.00	100	100
85.00	63.70	0.00#
131.00	7.90	0.00
0.00	0.00	0.00

ACCUTEST Laboratories M67589

Manual Integrations APPROVED (compounds with "m" flag)
Philip Bassignani
08/29/07 08:52

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\
Data File : Q4342a.D
Acq On : 20 Aug 2007 5:49 pm
Operator : danat
Sample : cc230-10 (M164)
Misc : MS14080, MSQ230,,,,,1
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Aug 21 16:09:33 2007
Quant Method : C:\msdchem\1\METHODS\Q082007T.m
Quant Title : TO15 by GCMS w/DB-1 60 m X .25 mm ID 1.0 um
QLast Update : Mon Aug 20 17:58:39 2007
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) BROMOCHLOROMETHANE	8.628	128	263852	10.00	PPBV	0.00
35) 1,4-DIFLUOROBENZENE	10.458	114	1247822	10.00	PPBV	0.00
49) CHLOROBENZENE-D5	14.701	117	962103	10.00	PPBV	0.00
System Monitoring Compounds						
61) 4-BROMOFLUOROBENZENE	16.318	95	349492	5.46	PPBV	0.00
Spiked Amount 5.000	Range 57 - 139		Recovery = 109.20%			
Target Compounds						Qvalue
2) DICHLORODIFLUOROMETHANE	4.035	85	1438899	10.62	PPBV	100
3) PROPYLENE	3.962	41	322227	11.86	PPBV	99
4) FREON 114	4.298	85	1314247	10.16	PPBV	99
5) CHLOROMETHANE	4.197	50	417278	9.76	PPBV	98
6) VINYL CHLORIDE	4.418	62	444129	11.02	PPBV	98
7) 1,3-BUTADIENE	4.555	39	467978	10.60	PPBV	99
8) BROMOMETHANE	4.834	94	390265	10.21	PPBV	98
9) CHLOROETHANE	5.008	64	211170	10.84	PPBV	99
10) TRICHLOROFLUOROMETHANE	5.789	101	1447226	10.77	PPBV	99
11) ISOPROPYL ALCOHOL	5.822	45	956334	12.83	PPBV	98
12) ACETONE	5.593	43	953731	9.78	PPBV	99
13) PENTANE	6.143	42	627327	10.58	PPBV	99
14) 1,1-DICHLOROETHYLENE	6.424	96	403156	10.90	PPBV	99
15) CARBON DISULFIDE	6.853	76	1480571	10.63	PPBV	99
16) ETHANOL	5.096	45	154164	9.06	PPBV	100
17) BROMOETHENE	5.366	106	349990	11.04	PPBV	99
18) METHYLENE CHLORIDE	6.537	84	469703	7.56	PPBV	99
19) 3-CHLOROPROPENE	6.658	39	643082	12.60	PPBV	98
20) FREON 113	6.798	151	661016	10.06	PPBV	99
21) TRANS-1,2-DICHLOROETHY...	7.462	96	443406	12.03	PPBV	99
22) TERTIARY BUTYL ALCOHOL	6.426	59	1040489	13.37	PPBV	100
23) METHYL TERTIARY BUTYL ...	7.707	73	1077682	13.13	PPBV	100
24) TETRAHYDROFURAN	9.137	42	443831	11.48	PPBV	98
25) HEXANE	8.665	57	688725	10.80	PPBV	98
26) VINYL ACETATE	7.785	43	1060544	14.38	PPBV	99
27) 1,1-DICHLOROETHANE	7.661	63	1136047	11.50	PPBV	99
28) METHYL ETHYL KETONE	8.026	43	972554	14.78	PPBV	100
29) cis-1,2-DICHLOROETHYLENE	8.467	96	335727	13.38	PPBV	99
30) ETHYL ACETATE	8.660	43	1758173	12.52	PPBV	100
31) CHLOROFORM	8.749	83	1170037	11.38	PPBV	100
32) 1,1,1-TRICHLOROETHANE	9.705	97	1107096	11.74	PPBV	99
33) CARBON TETRACHLORIDE	10.286	117	1234864	11.91	PPBV	100
34) 1,2-DICHLOROETHANE	9.459	62	808632	12.95	PPBV	99
36) BENZENE	10.144	78	1098477	11.17	PPBV	99
37) CYCLOHEXANE	10.408	84	476226	11.42	PPBV	100
38) TRICHLOROETHYLENE	11.143	95	647781	14.04	PPBV	99
39) 1,2-DICHLOROPROPANE	10.919	63	443752	12.80	PPBV	99
40) BROMODICHLOROMETHANE	11.102	83	1059428	11.92	PPBV	99
41) 2,2,4-TRIMETHYLPENTANE	11.164	57	2437346	11.56	PPBV	100
42) 1,4-DIOXANE	11.129	88	201725	11.88	PPBV	98
43) HEPTANE	11.402	43	933441	10.97	PPBV	100

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\
Data File : Q4342a.D
Acq On : 20 Aug 2007 5:49 pm
Operator : danat
Sample : cc230-10 (M164)
Misc : MS14080, MSQ230,,,,,1
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Aug 21 16:09:33 2007
Quant Method : C:\msdchem\1\METHODS\Q082007T.m
Quant Title : TO15 by GCMS w/DB-1 60 m X .25 mm ID 1.0 um
QLast Update : Mon Aug 20 17:58:39 2007
Response via : Initial Calibration

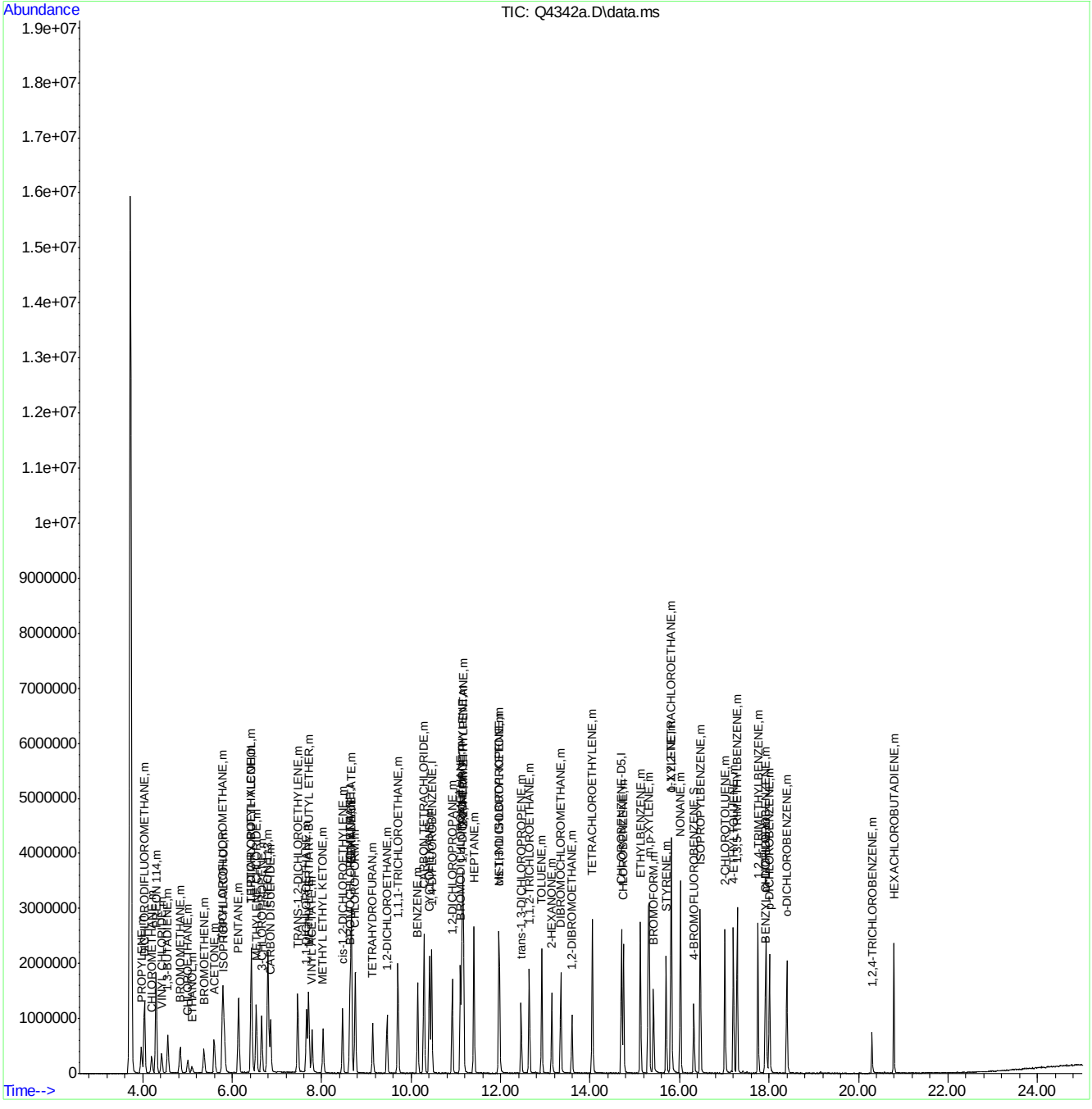
Internal Standards	R.T.	QIon	Response	Conc Units	Dev(Min)
44) METHYL ISOBUTYL KETONE	11.972	43	1162331	12.00 PPBV	100
45) cis-1,3-DICHLOROPROPENE	11.958	75	612581	13.57 PPBV	94
46) TOLUENE	12.918	92	681659	9.90 PPBV	100
47) trans-1,3-DICHLOROPROPENE	12.458	75	456142	15.37 PPBV	99
48) 1,1,2-TRICHLOROETHANE	12.639	83	415546	13.17 PPBV	98
50) 2-HEXANONE	13.141	43	901316	13.30 PPBV	98
51) TETRACHLOROETHYLENE	14.050	164	419875	11.45 PPBV	99
52) DIBROMOCHLOROMETHANE	13.345	129	750339	12.96 PPBV	99
53) 1,2-DIBROMOETHANE	13.594	107	587406	16.87 PPBV	98
54) CHLOROBENZENE	14.744	112	896163	15.44 PPBV	99
55) ETHYLBENZENE	15.124	91	1531806	12.35 PPBV	100
56) m,p-XYLENE	15.317	106	1138074	26.06 PPBV	97
57) o-XYLENE	15.816	106	545706	12.61 PPBV	98
58) STYRENE	15.701	104	696240	17.94 PPBV	99
59) NONANE	16.018	43	1247306	11.69 PPBV	100
60) BROMOFORM	15.418	173	582216	14.29 PPBV	99
62) 1,1,2,2-TETRACHLOROETHANE	15.805	83	1023483m	13.71 PPBV	
63) ISOPROPYLBENZENE	16.462	105	1593847	12.56 PPBV	100
64) 2-CHLOROTOLUENE	17.012	91	1198538	13.52 PPBV	99
65) 4-ETHYLTOLUENE	17.204	105	1299763	13.53 PPBV	100
66) 1,3,5-TRIMETHYLBENZENE	17.287	105	1359213	13.08 PPBV	99
67) 1,2,4-TRIMETHYLBENZENE	17.754	105	1189014	14.16 PPBV	99
68) m-DICHLOROBENZENE	17.933	146	653264	22.80 PPBV	99
69) BENZYL CHLORIDE	17.912	91	717130	28.30 PPBV	98
70) p-DICHLOROBENZENE	18.011	146	611147	28.62 PPBV	95
71) o-DICHLOROBENZENE	18.395	146	550482	18.18 PPBV	99
72) HEXACHLOROBUTADIENE	20.792	225	271399	12.63 PPBV	98
73) 1,2,4-TRICHLOROBENZENE	20.299	180	136032	36.61 PPBV	93

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

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\
Data File : Q4342a.D
Acq On : 20 Aug 2007 5:49 pm
Operator : danat
Sample : cc230-10 (M164)
Misc : MS14080, MSQ230,,,,,1
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Aug 21 16:09:33 2007
Quant Method : C:\msdchem\1\METHODS\Q082007T.m
Quant Title : TO15 by GCMS w/DB-1 60 m X .25 mm ID 1.0 um
QLast Update : Mon Aug 20 17:58:39 2007
Response via : Initial Calibration



ACCUTEST Laboratories M67589

Manual Integrations APPROVED (compounds with "m" flag)
Philip Bassignani
08/29/07 08:52

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\
Data File : Q4342.D
Acq On : 20 Aug 2007 5:49 pm
Operator : danat
Sample : icv230-10 (M164)
Misc : MS14080, MSQ230,,,,,1
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Aug 21 16:09:33 2007
Quant Method : C:\msdchem\1\METHODS\Q082007T.m
Quant Title : TO15 by GCMS w/DB-1 60 m X .25 mm ID 1.0 um
QLast Update : Mon Aug 20 17:58:39 2007
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) BROMOCHLOROMETHANE	8.628	128	263852	10.00	PPBV	0.00
35) 1,4-DIFLUOROBENZENE	10.458	114	1247822	10.00	PPBV	0.00
49) CHLOROBENZENE-D5	14.701	117	962103	10.00	PPBV	0.00

System Monitoring Compounds

61) 4-BROMOFLUOROBENZENE	16.318	95	349492	5.46	PPBV	0.00

Spiked Amount 5.000 Range 57 - 139 Recovery = 109.20%

Target Compounds						Qvalue
2) DICHLORODIFLUOROMETHANE	4.035	85	1438899	10.62	PPBV	100
3) PROPYLENE	3.962	41	322227	11.86	PPBV	99
4) FREON 114	4.298	85	1314247	10.16	PPBV	99
5) CHLOROMETHANE	4.197	50	417278	9.76	PPBV	98
6) VINYL CHLORIDE	4.418	62	444129	11.02	PPBV	98
7) 1,3-BUTADIENE	4.555	39	467978	10.60	PPBV	99
8) BROMOMETHANE	4.834	94	390265	10.21	PPBV	98
9) CHLOROETHANE	5.008	64	211170	10.84	PPBV	99
10) TRICHLOROFLUOROMETHANE	5.789	101	1447226	10.77	PPBV	99
11) ISOPROPYL ALCOHOL	5.822	45	956334	12.83	PPBV	98
12) ACETONE	5.593	43	953731	9.78	PPBV	99
13) PENTANE	6.143	42	627327	10.58	PPBV	99
14) 1,1-DICHLOROETHYLENE	6.424	96	403156	10.90	PPBV	99
15) CARBON DISULFIDE	6.853	76	1480571	10.63	PPBV	99
16) ETHANOL	5.096	45	154164	9.06	PPBV	100
17) BROMOETHENE	5.366	106	349990	11.04	PPBV	99
18) METHYLENE CHLORIDE	6.537	84	469703	7.56	PPBV	99
19) 3-CHLOROPROPENE	6.658	39	643082	12.60	PPBV	98
20) FREON 113	6.798	151	661016	10.06	PPBV	99
21) TRANS-1,2-DICHLOROETHY...	7.462	96	443406	12.03	PPBV	99
22) TERTIARY BUTYL ALCOHOL	6.426	59	1040489	13.37	PPBV	100
23) METHYL TERTIARY BUTYL ...	7.707	73	1077682	13.13	PPBV	100
24) TETRAHYDROFURAN	9.137	42	443831	11.48	PPBV	98
25) HEXANE	8.665	57	688725	10.80	PPBV	98
26) VINYL ACETATE	7.785	43	1060544	14.38	PPBV	99
27) 1,1-DICHLOROETHANE	7.661	63	1136047	11.50	PPBV	99
28) METHYL ETHYL KETONE	8.026	43	972554	14.78	PPBV	100
29) cis-1,2-DICHLOROETHYLENE	8.467	96	335727	13.38	PPBV	99
30) ETHYL ACETATE	8.660	43	1758173	12.52	PPBV	100
31) CHLOROFORM	8.749	83	1170037	11.38	PPBV	100
32) 1,1,1-TRICHLOROETHANE	9.705	97	1107096	11.74	PPBV	99
33) CARBON TETRACHLORIDE	10.286	117	1234864	11.91	PPBV	100
34) 1,2-DICHLOROETHANE	9.459	62	808632	12.95	PPBV	99
36) BENZENE	10.144	78	1098477	11.17	PPBV	99
37) CYCLOHEXANE	10.408	84	476226	11.42	PPBV	100
38) TRICHLOROETHYLENE	11.143	95	647781	14.04	PPBV	99
39) 1,2-DICHLOROPROPANE	10.919	63	443752	12.80	PPBV	99
40) BROMODICHLOROMETHANE	11.102	83	1059428	11.92	PPBV	99
41) 2,2,4-TRIMETHYLPENTANE	11.164	57	2437346	11.56	PPBV	100
42) 1,4-DIOXANE	11.129	88	201725	11.88	PPBV	98
43) HEPTANE	11.402	43	933441	10.97	PPBV	100

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\
Data File : Q4342.D
Acq On : 20 Aug 2007 5:49 pm
Operator : danat
Sample : icv230-10 (M164)
Misc : MS14080, MSQ230,,,,,1
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Aug 21 16:09:33 2007
Quant Method : C:\msdchem\1\METHODS\Q082007T.m
Quant Title : TO15 by GCMS w/DB-1 60 m X .25 mm ID 1.0 um
QLast Update : Mon Aug 20 17:58:39 2007
Response via : Initial Calibration

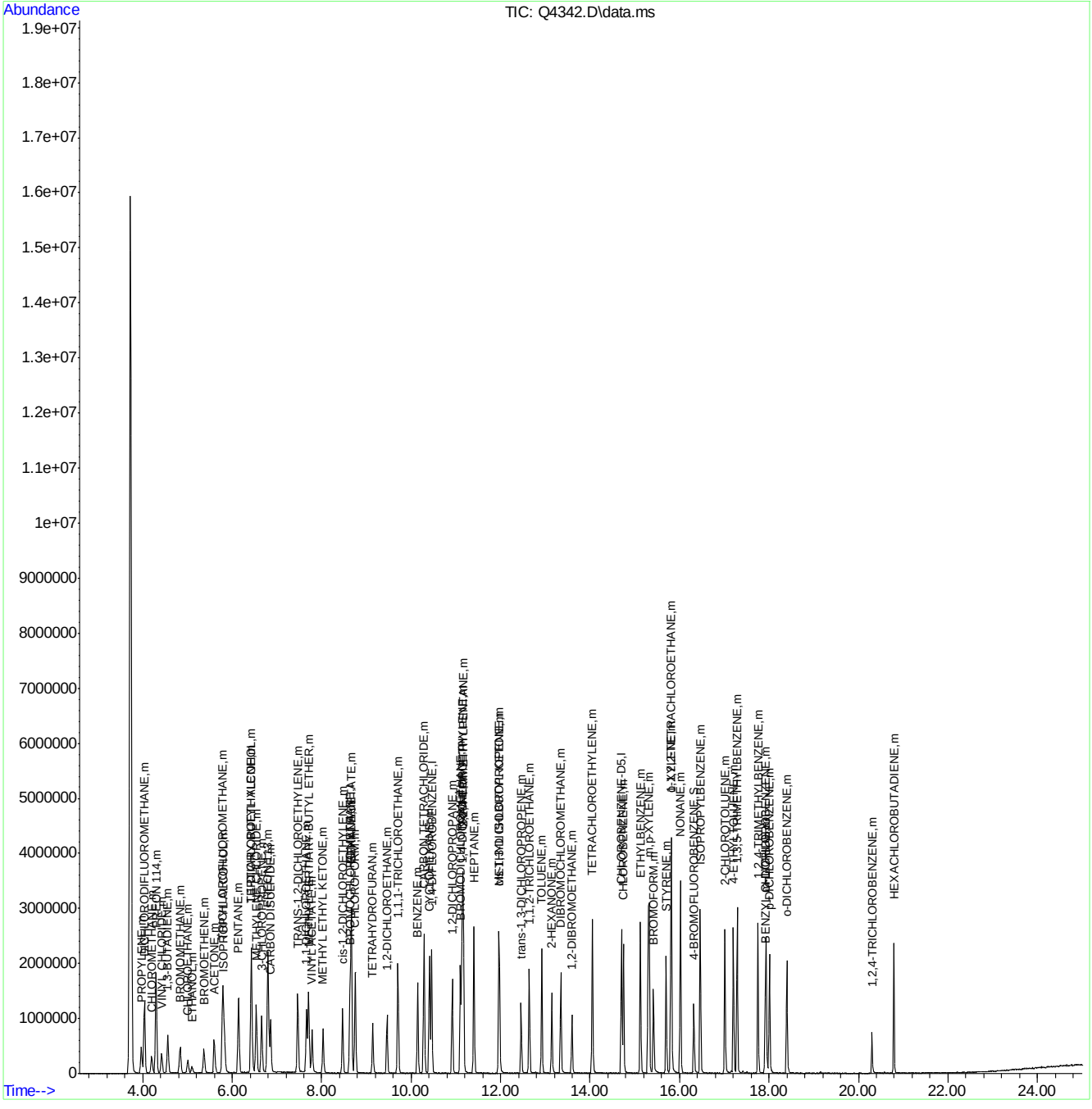
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) METHYL ISOBUTYL KETONE	11.972	43	1162331	12.00	PPBV	100
45) cis-1,3-DICHLOROPROPENE	11.958	75	612581	13.57	PPBV	94
46) TOLUENE	12.918	92	681659	9.90	PPBV	100
47) trans-1,3-DICHLOROPROPENE	12.458	75	456142	15.37	PPBV	99
48) 1,1,2-TRICHLOROETHANE	12.639	83	415546	13.17	PPBV	98
50) 2-HEXANONE	13.141	43	901316	13.30	PPBV	98
51) TETRACHLOROETHYLENE	14.050	164	419875	11.45	PPBV	99
52) DIBROMOCHLOROMETHANE	13.345	129	750339	12.96	PPBV	99
53) 1,2-DIBROMOETHANE	13.594	107	587406	16.87	PPBV	98
54) CHLOROBENZENE	14.744	112	896163	15.44	PPBV	99
55) ETHYLBENZENE	15.124	91	1531806	12.35	PPBV	100
56) m,p-XYLENE	15.317	106	1138074	26.06	PPBV	97
57) o-XYLENE	15.816	106	545706	12.61	PPBV	98
58) STYRENE	15.701	104	696240	17.94	PPBV	99
59) NONANE	16.018	43	1247306	11.69	PPBV	100
60) BROMOFORM	15.418	173	582216	14.29	PPBV	99
62) 1,1,2,2-TETRACHLOROETHANE	15.805	83	1023483m	13.71	PPBV	
63) ISOPROPYLBENZENE	16.462	105	1593847	12.56	PPBV	100
64) 2-CHLOROTOLUENE	17.012	91	1198538	13.52	PPBV	99
65) 4-ETHYLTOLUENE	17.204	105	1299763	13.53	PPBV	100
66) 1,3,5-TRIMETHYLBENZENE	17.287	105	1359213	13.08	PPBV	99
67) 1,2,4-TRIMETHYLBENZENE	17.754	105	1189014	14.16	PPBV	99
68) m-DICHLOROBENZENE	17.933	146	653264	22.80	PPBV	99
69) BENZYL CHLORIDE	17.912	91	717130	28.30	PPBV	98
70) p-DICHLOROBENZENE	18.011	146	611147	28.62	PPBV	95
71) o-DICHLOROBENZENE	18.395	146	550482	18.18	PPBV	99
72) HEXACHLOROBUTADIENE	20.792	225	271399	12.63	PPBV	98
73) 1,2,4-TRICHLOROBENZENE	20.299	180	136032	36.61	PPBV	93

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

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\
Data File : Q4342.D
Acq On : 20 Aug 2007 5:49 pm
Operator : danat
Sample : icv230-10 (M164)
Misc : MS14080, MSQ230,,,,,1
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Aug 21 16:09:33 2007
Quant Method : C:\msdchem\1\METHODS\Q082007T.m
Quant Title : TO15 by GCMS w/DB-1 60 m X .25 mm ID 1.0 um
QLast Update : Mon Aug 20 17:58:39 2007
Response via : Initial Calibration



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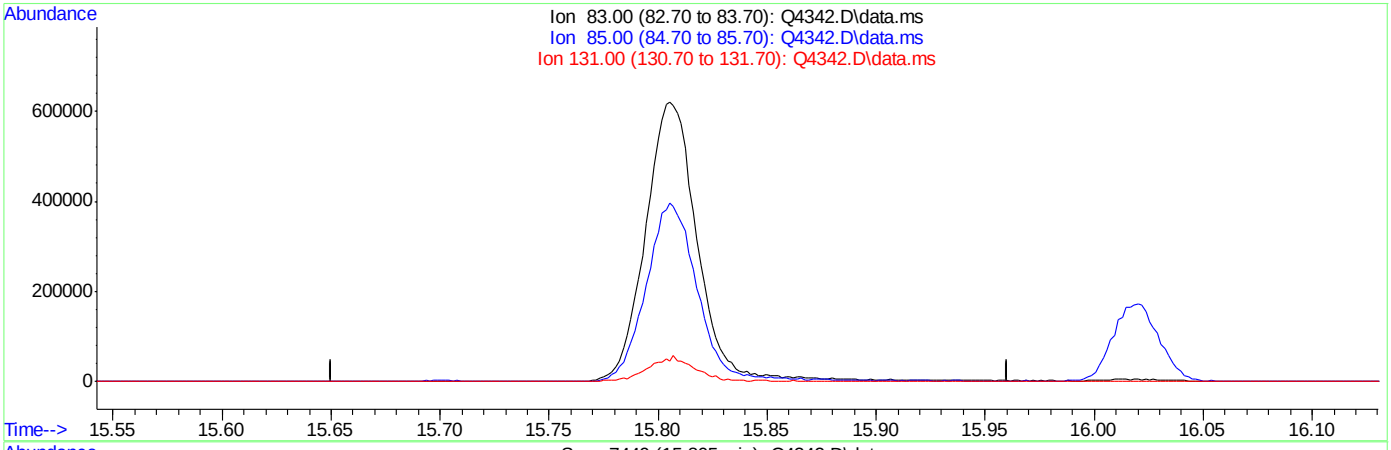
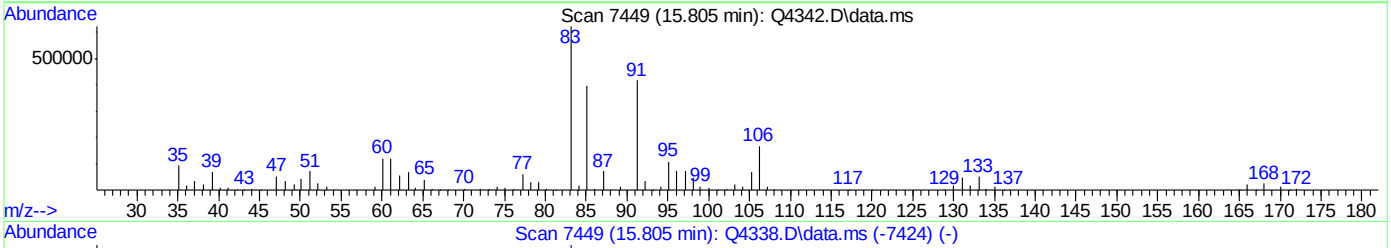
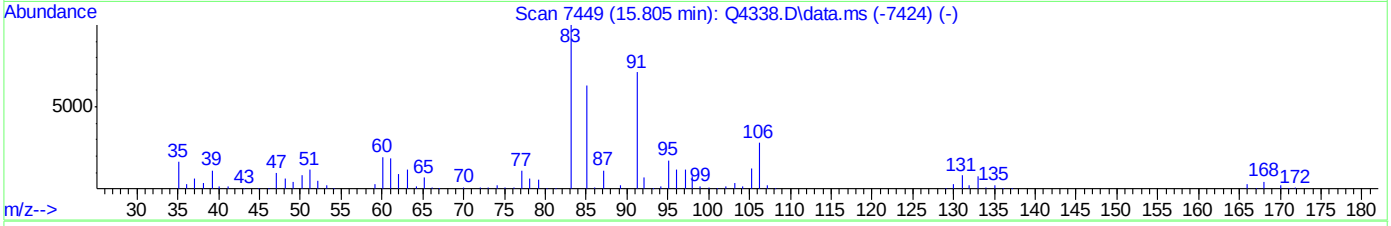
Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\
Data File : Q4342.D
Acq On : 20 Aug 2007 5:49 pm
Operator : danat
Sample : icv230-10 (M164)
Misc : MS14080, MSQ230,,,,,1
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Aug 20 18:14:33 2007
Quant Method : C:\msdchem\1\METHODS\Q082007T.m
Quant Title : TO15 by GCMS w/DB-1 60 m X .25 mm ID 1.0 um
QLast Update : Mon Aug 20 17:58:39 2007
Response via : Initial Calibration







TIC: Q4342.D\data.ms

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

15.805min (-15.805) 0.00PPBV

response 0

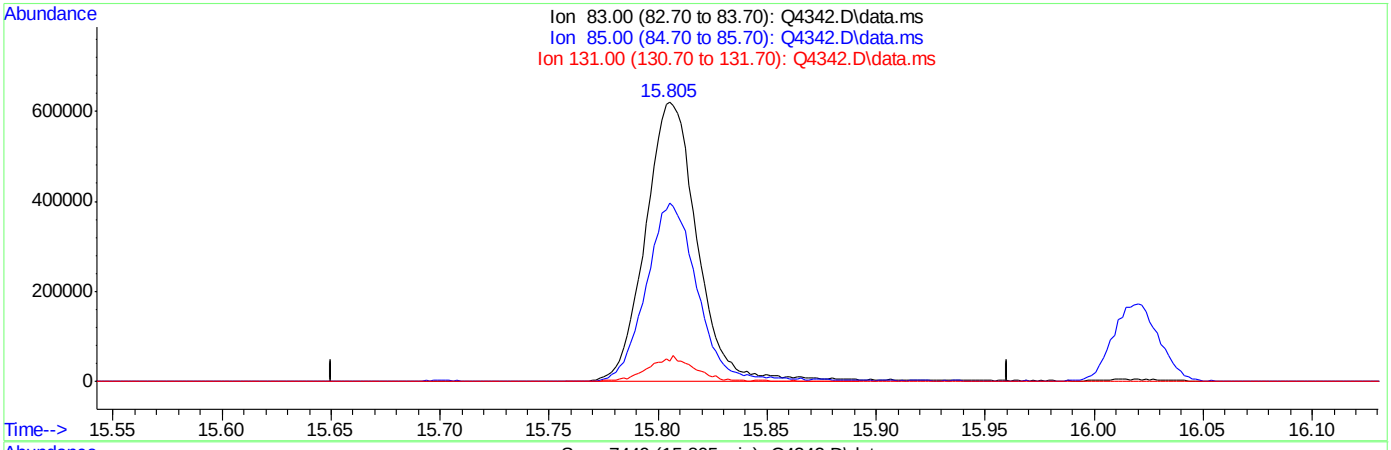
Ion	Exp%	Act%
83.00	100	0.00
85.00	63.70	0.00#
131.00	7.90	0.00
0.00	0.00	0.00

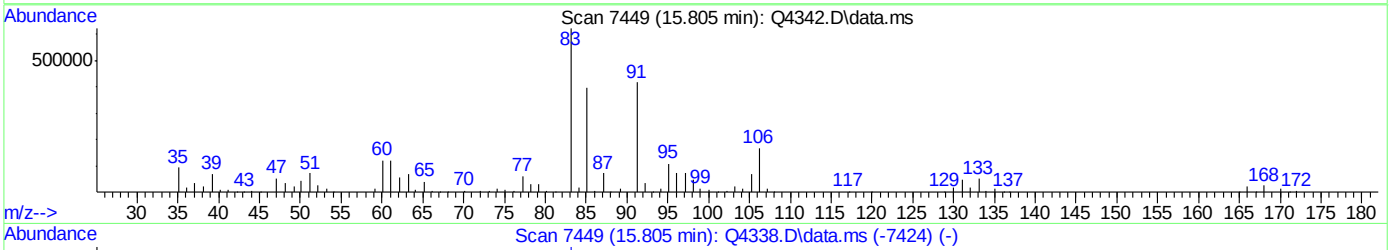
ACCUTEST Laboratories M67589

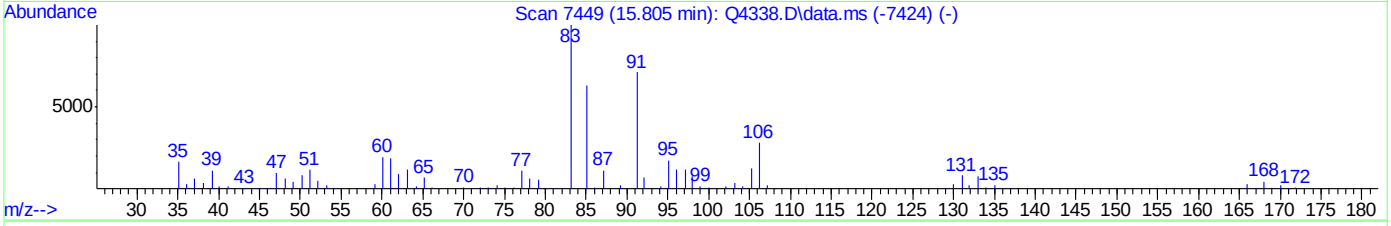
Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\
Data File : Q4342.D
Acq On : 20 Aug 2007 5:49 pm
Operator : danat
Sample : icv230-10 (M164)
Misc : MS14080, MSQ230,,,,,1
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Aug 20 18:14:33 2007
Quant Method : C:\msdchem\1\METHODS\Q082007T.m
Quant Title : TO15 by GCMS w/DB-1 60 m X .25 mm ID 1.0 um
QLast Update : Mon Aug 20 17:58:39 2007
Response via : Initial Calibration







TIC: Q4342.D\data.ms

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

15.805min (+0.000) 13.71PPBV m

response 1023483

Ion	Exp%	Act%
83.00	100	100
85.00	63.70	0.00#
131.00	7.90	0.00
0.00	0.00	0.00

ACCUTEST Laboratories M67589

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\
Data File : Q4577.D
Acq On : 13 Sep 2007 9:03 am
Operator : danat
Sample : ic241-0.5 (M174)
Misc : MS14279,MSQ241,,,,,1
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Sep 13 09:36:01 2007
Quant Method : C:\msdchem\1\METHODS\Q091307T.m
Quant Title : TO15 by GCMS w/DB-1 60 m X .25 mm ID 1.0 um
QLast Update : Thu Sep 13 09:35:51 2007
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) BROMOCHLOROMETHANE	8.626	128	288515	10.00	PPBV	0.00
35) 1,4-DIFLUOROBENZENE	10.454	114	1409453	10.00	PPBV	0.00
49) CHLOROBENZENE-D5	14.696	117	1073588	10.00	PPBV	0.00

System Monitoring Compounds

61) 4-BROMOFLUOROBENZENE	16.316	95	329622	5.01	PPBV	0.00

Spiked Amount 5.000 Range 57 - 139 Recovery = 100.20%

Target Compounds						Qvalue
2) DICHLORODIFLUOROMETHANE	4.042	85	63786	0.55	PPBV	96
3) PROPYLENE	3.978	41	6853	0.32	PPBV	83
4) FREON 114	4.299	85	60672	0.55	PPBV	99
5) CHLOROMETHANE	4.198	50	15945	0.54	PPBV	100
6) VINYL CHLORIDE	4.425	62	16075	0.49	PPBV	97
7) 1,3-BUTADIENE	4.564	39	9925	0.39	PPBV	91
8) BROMOMETHANE	4.841	94	18596	0.52	PPBV	98
9) CHLOROETHANE	5.004	64	7516	0.51	PPBV	95
10) TRICHLOROFLUOROMETHANE	5.787	101	60028	0.54	PPBV	98
11) ISOPROPYL ALCOHOL	5.854	45	20803	0.44	PPBV #	52
12) ACETONE	5.607	43	41651	0.80	PPBV	99
13) PENTANE	6.138	42	17705	0.51	PPBV	94
14) 1,1-DICHLOROETHYLENE	6.424	96	15227	0.46	PPBV	93
15) CARBON DISULFIDE	6.851	76	51424	0.51	PPBV	88
16) ETHANOL	5.114	45	5700	0.49	PPBV	86
17) BROMOETHENE	5.375	106	14338	0.46	PPBV	95
18) METHYLENE CHLORIDE	6.539	84	71632	1.37	PPBV	97
19) 3-CHLOROPROPENE	6.656	39	13700	0.47	PPBV	94
20) FREON 113	6.793	151	36645	0.59	PPBV	99
21) TRANS-1,2-DICHLOROETHY...	7.465	96	15846	0.50	PPBV	95
22) TERTIARY BUTYL ALCOHOL	6.461	59	22380	0.43	PPBV	73
23) METHYL TERTIARY BUTYL ...	7.717	73	24669	0.39	PPBV	92
24) TETRAHYDROFURAN	9.150	42	4430	0.21	PPBV	87
25) HEXANE	8.667	57	17641	0.42	PPBV #	69
26) VINYL ACETATE	7.781	43	20865	0.40	PPBV	71
27) 1,1-DICHLOROETHANE	7.659	63	33636	0.56	PPBV	99
28) METHYL ETHYL KETONE	8.046	43	17549	0.37	PPBV	97
29) cis-1,2-DICHLOROETHYLENE	8.465	96	8702	0.35	PPBV	91
30) ETHYL ACETATE	8.665	43	33883	0.43	PPBV #	98
31) CHLOROFORM	8.745	83	39102	0.52	PPBV	98
32) 1,1,1-TRICHLOROETHANE	9.703	97	36038	0.50	PPBV	99
33) CARBON TETRACHLORIDE	10.284	117	42737	0.50	PPBV	99
34) 1,2-DICHLOROETHANE	9.457	62	19527	0.45	PPBV	98
36) BENZENE	10.142	78	23099	0.31	PPBV	90
37) CYCLOHEXANE	10.404	84	6773	0.22	PPBV #	84
38) TRICHLOROETHYLENE	11.137	95	13670	0.33	PPBV	97
39) 1,2-DICHLOROPROPANE	10.916	63	10120	0.36	PPBV	93
40) BROMODICHLOROMETHANE	11.100	83	32870	0.44	PPBV	99
41) 2,2,4-TRIMETHYLPENTANE	11.161	57	37041	0.29	PPBV	82
42) 1,4-DIOXANE	11.161	88	2653	0.20	PPBV #	1
43) HEPTANE	11.402	43	10742	0.24	PPBV	96

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\
Data File : Q4577.D
Acq On : 13 Sep 2007 9:03 am
Operator : danat
Sample : ic241-0.5 (M174)
Misc : MS14279,MSQ241,,,,,1
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Sep 13 09:36:01 2007
Quant Method : C:\msdchem\1\METHODS\Q091307T.m
Quant Title : TO15 by GCMS w/DB-1 60 m X .25 mm ID 1.0 um
QLast Update : Thu Sep 13 09:35:51 2007
Response via : Initial Calibration

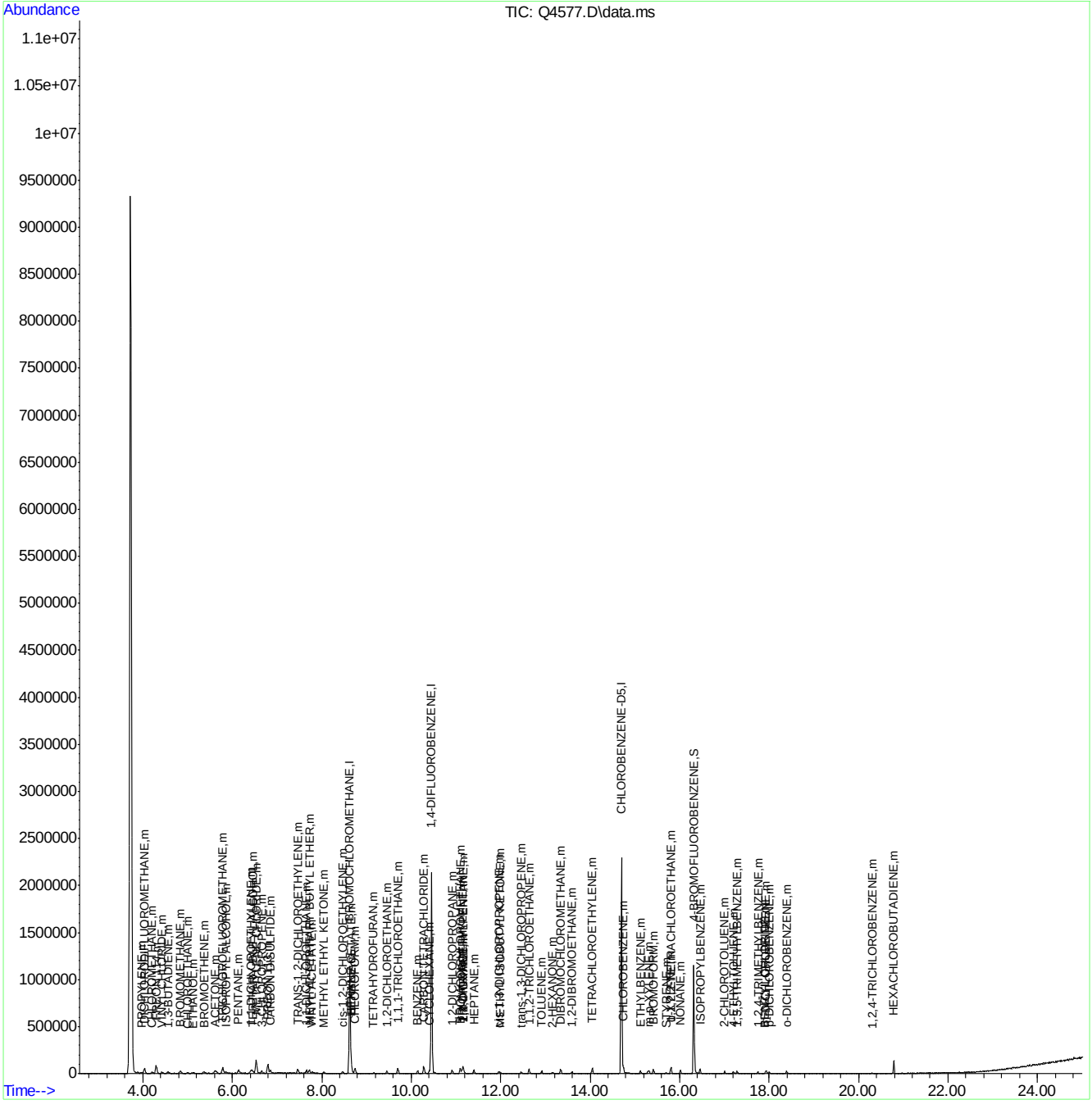
Internal Standards	R.T.	QIon	Response	Conc Units	Dev(Min)
44) METHYL ISOBUTYL KETONE	11.979	43	11696	0.21 PPBV #	48
45) cis-1,3-DICHLOROPROPENE	11.954	75	8018	0.23 PPBV	99
46) TOLUENE	12.914	92	10141	0.23 PPBV	88
47) trans-1,3-DICHLOROPROPENE	12.460	75	6156	0.20 PPBV #	34
48) 1,1,2-TRICHLOROETHANE	12.632	83	10887	0.39 PPBV	89
50) 2-HEXANONE	13.152	43	8710	0.21 PPBV #	57
51) TETRACHLOROETHYLENE	14.045	164	12690	0.36 PPBV	93
52) DIBROMOCHLOROMETHANE	13.345	129	23628	0.39 PPBV	98
53) 1,2-DIBROMOETHANE	13.592	107	13391	0.33 PPBV #	99
54) CHLOROBENZENE	14.740	112	27884	0.41 PPBV	98
55) ETHYLBENZENE	15.118	91	16038	0.18 PPBV	96
56) m,p-XYLENE	15.312	106	12192	0.36 PPBV #	68
57) o-XYLENE	15.812	106	5505	0.16 PPBV	97
58) STYRENE	15.695	104	5744	0.14 PPBV	93
59) NONANE	16.015	43	9074	0.16 PPBV	98
60) BROMOFORM	15.409	173	18715	0.36 PPBV	99
62) 1,1,2,2-TETRACHLOROETHANE	15.800	83	25078	0.38 PPBV	99
63) ISOPROPYLBENZENE	16.460	105	23078	0.22 PPBV	98
64) 2-CHLOROTOLUENE	17.008	91	13063	0.18 PPBV	99
65) 4-ETHYLTOLUENE	17.204	105	11274	0.13 PPBV	96
66) 1,3,5-TRIMETHYLBENZENE	17.285	105	13062	0.16 PPBV	94
67) 1,2,4-TRIMETHYLBENZENE	17.752	105	8750	0.13 PPBV	95
68) m-DICHLOROBENZENE	17.935	146	10826	0.24 PPBV	96
69) BENZYL CHLORIDE	17.905	91	7387	0.15 PPBV	96
70) p-DICHLOROBENZENE	18.004	146	8216	0.20 PPBV	90
71) o-DICHLOROBENZENE	18.396	146	9393	0.23 PPBV	99
72) HEXACHLOROBUTADIENE	20.789	225	21511	0.74 PPBV	98
73) 1,2,4-TRICHLOROBENZENE	20.299	180	1559	0.16 PPBV #	34

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

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\
Data File : Q4577.D
Acq On : 13 Sep 2007 9:03 am
Operator : danat
Sample : ic241-0.5 (M174)
Misc : MS14279,MSQ241,,,,,1
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Sep 13 09:36:01 2007
Quant Method : C:\msdchem\1\METHODS\Q091307T.m
Quant Title : TO15 by GCMS w/DB-1 60 m X .25 mm ID 1.0 um
QLast Update : Thu Sep 13 09:35:51 2007
Response via : Initial Calibration



Manual Integrations APPROVED (compounds with "m" flag)
Philip Bassignani
09/14/07 15:48

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\
Data File : Q4578.D
Acq On : 13 Sep 2007 9:53 am
Operator : danat
Sample : ic241-0.2 (M174)
Misc : MS14279,MSQ241,,,,,1
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Sep 13 10:21:10 2007
Quant Method : C:\msdchem\1\METHODS\Q091307T.m
Quant Title : TO15 by GCMS w/DB-1 60 m X .25 mm ID 1.0 um
QLast Update : Thu Sep 13 09:35:51 2007
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) BROMOCHLOROMETHANE	8.628	128	273224	10.00	PPBV	0.00
35) 1,4-DIFLUOROBENZENE	10.454	114	1286688	10.00	PPBV	0.00
49) CHLOROBENZENE-D5	14.698	117	1012586	10.00	PPBV	0.00

System Monitoring Compounds

61) 4-BROMOFLUOROBENZENE	16.320	95	272955	4.40	PPBV	0.00

Spiked Amount 5.000 Range 57 - 139 Recovery = 88.00%

Target Compounds							Qvalue
2) DICHLORODIFLUOROMETHANE	4.039	85	33397	0.31	PPBV		97
3) PROPYLENE	3.973	41	4314m	0.21	PPBV		
4) FREON 114	4.303	85	33309	0.32	PPBV		98
5) CHLOROMETHANE	4.205	50	8443	0.30	PPBV		92
6) VINYL CHLORIDE	4.424	62	7752	0.25	PPBV		93
7) 1,3-BUTADIENE	4.557	39	4917	0.20	PPBV	#	64
8) BROMOMETHANE	4.839	94	10107	0.30	PPBV		97
9) CHLOROETHANE	5.016	64	3011	0.22	PPBV	#	50
10) TRICHLOROFLUOROMETHANE	5.788	101	29898	0.28	PPBV		95
11) ISOPROPYL ALCOHOL	5.867	45	8593	0.19	PPBV	#	41
12) ACETONE	5.622	43	18702	0.38	PPBV		100
13) PENTANE	6.151	42	9098	0.28	PPBV	#	84
14) 1,1-DICHLOROETHYLENE	6.422	96	6747	0.22	PPBV		94
15) CARBON DISULFIDE	6.853	76	25591	0.27	PPBV	#	62
16) ETHANOL	5.130	45	2320m	0.21	PPBV		
17) BROMOETHENE	5.364	106	6032	0.20	PPBV	#	17
18) METHYLENE CHLORIDE	6.539	84	40555	0.82	PPBV		97
19) 3-CHLOROPROPENE	6.647	39	5385	0.19	PPBV	#	7
20) FREON 113	6.797	151	21137	0.36	PPBV		99
21) TRANS-1,2-DICHLOROETHY...	7.466	96	6761	0.23	PPBV		96
22) TERTIARY BUTYL ALCOHOL	6.479	59	7870	0.16	PPBV	#	75
23) METHYL TERTIARY BUTYL ...	7.734	73	9230	0.15	PPBV		82
24) TETRAHYDROFURAN	9.159	42	1547	0.08	PPBV	#	53
25) HEXANE	8.657	57	7272	0.18	PPBV	#	66
26) VINYL ACETATE	7.792	43	6929	0.14	PPBV	#	49
27) 1,1-DICHLOROETHANE	7.656	63	13292	0.23	PPBV		95
28) METHYL ETHYL KETONE	8.053	43	6246	0.14	PPBV		89
29) cis-1,2-DICHLOROETHYLENE	8.467	96	2963	0.12	PPBV	#	89
30) ETHYL ACETATE	8.676	43	12773	0.17	PPBV	#	96
31) CHLOROFORM	8.747	83	16040	0.22	PPBV		96
32) 1,1,1-TRICHLOROETHANE	9.697	97	14003	0.20	PPBV		98
33) CARBON TETRACHLORIDE	10.284	117	18595	0.23	PPBV		98
34) 1,2-DICHLOROETHANE	9.462	62	6600	0.16	PPBV		93
36) BENZENE	10.144	78	8071	0.12	PPBV		83
37) CYCLOHEXANE	10.405	84	2179	0.08	PPBV	#	68
38) TRICHLOROETHYLENE	11.141	95	5024	0.13	PPBV		94
39) 1,2-DICHLOROPROPANE	10.919	63	3822	0.15	PPBV		96
40) BROMODICHLOROMETHANE	11.104	83	12990	0.19	PPBV		99
41) 2,2,4-TRIMETHYLPENTANE	11.159	57	11017	0.09	PPBV		83
43) HEPTANE	11.397	43	3590	0.09	PPBV	#	80
44) METHYL ISOBUTYL KETONE	11.993	43	3723	0.07	PPBV	#	68

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\
Data File : Q4578.D
Acq On : 13 Sep 2007 9:53 am
Operator : danat
Sample : ic241-0.2 (M174)
Misc : MS14279,MSQ241,,,,,1
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Sep 13 10:21:10 2007
Quant Method : C:\msdchem\1\METHODS\Q091307T.m
Quant Title : TO15 by GCMS w/DB-1 60 m X .25 mm ID 1.0 um
QLast Update : Thu Sep 13 09:35:51 2007
Response via : Initial Calibration

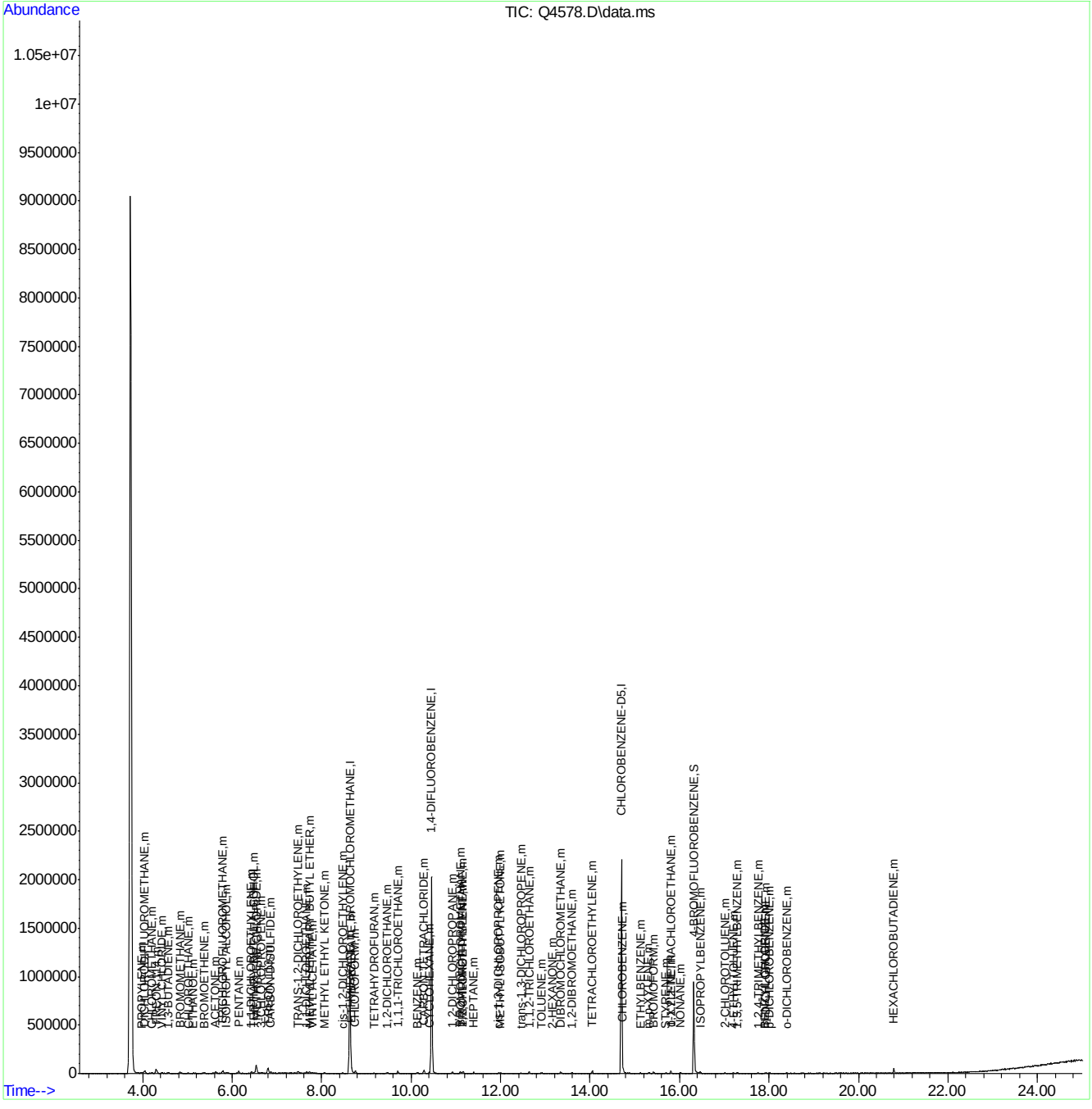
Internal Standards	R.T.	QIon	Response	Conc Units	Dev(Min)
45) cis-1,3-DICHLOROPROPENE	11.954	75	3065	0.10 PPBV #	65
46) TOLUENE	12.916	92	3947	0.10 PPBV #	84
47) trans-1,3-DICHLOROPROPENE	12.451	75	2133	0.07 PPBV #	51
48) 1,1,2-TRICHLOROETHANE	12.634	83	4621	0.18 PPBV	94
50) 2-HEXANONE	13.164	43	2058	0.05 PPBV #	56
51) TETRACHLOROETHYLENE	14.050	164	4547	0.14 PPBV	93
52) DIBROMOCHLOROMETHANE	13.345	129	9068	0.16 PPBV	98
53) 1,2-DIBROMOETHANE	13.596	107	5509	0.14 PPBV #	98
54) CHLOROBENZENE	14.737	112	10957	0.17 PPBV	99
55) ETHYLBENZENE	15.118	91	6341m	0.08 PPBV	
56) m,p-XYLENE	15.294	106	3640m	0.11 PPBV	
57) o-XYLENE	15.816	106	1841	0.06 PPBV #	79
58) STYRENE	15.690	104	1758	0.04 PPBV #	43
59) NONANE	16.015	43	2854	0.05 PPBV #	65
60) BROMOFORM	15.408	173	6677	0.13 PPBV	95
62) 1,1,2,2-TETRACHLOROETHANE	15.807	83	9674	0.16 PPBV	92
63) ISOPROPYLBENZENE	16.465	105	7599	0.08 PPBV	93
64) 2-CHLOROTOLUENE	17.012	91	4692	0.07 PPBV	83
65) 4-ETHYLTOLUENE	17.206	105	4294	0.05 PPBV	75
66) 1,3,5-TRIMETHYLBENZENE	17.293	105	4206	0.05 PPBV	87
67) 1,2,4-TRIMETHYLBENZENE	17.758	105	2697	0.04 PPBV	92
68) m-DICHLOROBENZENE	17.933	146	3439	0.08 PPBV #	81
69) BENZYL CHLORIDE	17.907	91	2246	0.05 PPBV #	67
70) p-DICHLOROBENZENE	18.017	146	2161	0.06 PPBV #	77
71) o-DICHLOROBENZENE	18.393	146	3405	0.09 PPBV	88
72) HEXACHLOROBUTADIENE	20.789	225	7592	0.28 PPBV	99

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

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\
Data File : Q4578.D
Acq On : 13 Sep 2007 9:53 am
Operator : danat
Sample : ic241-0.2 (M174)
Misc : MS14279,MSQ241,,,,,1
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Sep 13 10:21:10 2007
Quant Method : C:\msdchem\1\METHODS\Q091307T.m
Quant Title : TO15 by GCMS w/DB-1 60 m X .25 mm ID 1.0 um
QLast Update : Thu Sep 13 09:35:51 2007
Response via : Initial Calibration

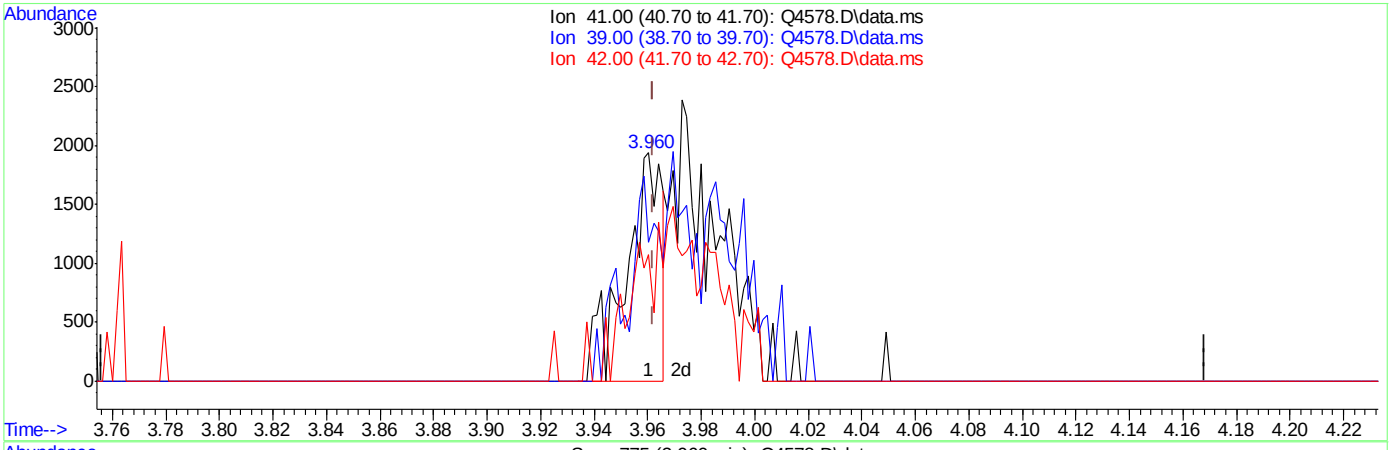


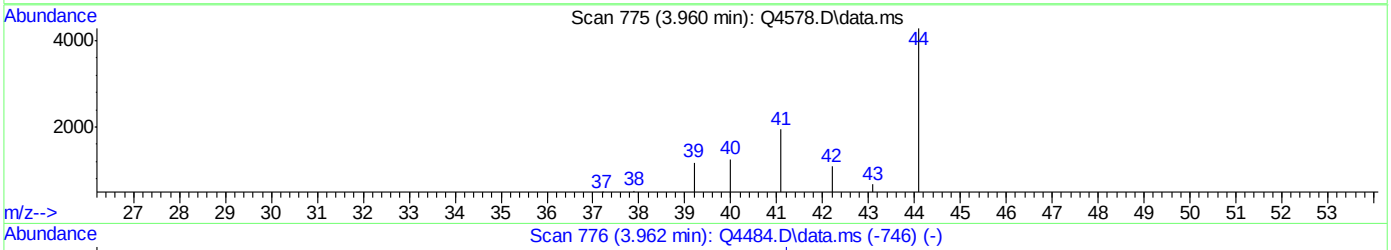
ACCUTEST Laboratories M67589

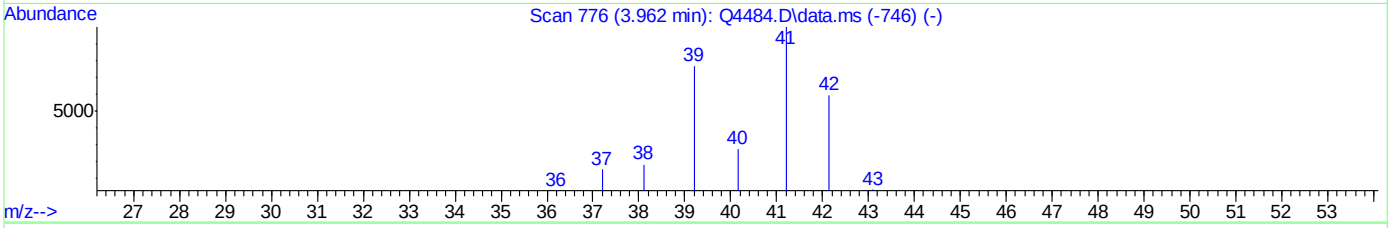
Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\
Data File : Q4578.D
Acq On : 13 Sep 2007 9:53 am
Operator : danat
Sample : ic241-0.2 (M174)
Misc : MS14279,MSQ241,,,,,1
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Sep 13 10:18:52 2007
Quant Method : C:\msdchem\1\METHODS\Q091307T.m
Quant Title : TO15 by GCMS w/DB-1 60 m X .25 mm ID 1.0 um
QLast Update : Thu Sep 13 09:35:51 2007
Response via : Initial Calibration







TIC: Q4578.D\data.ms

(3) PROPYLENE (m)

3.960min (-0.002) 0.09PPBV

response 1791

Ion	Exp%	Act%
41.00	100	100
39.00	76.80	60.63
42.00	59.90	55.57
0.00	0.00	0.00

ACCUTEST Laboratories M67589

Quantitation Report (Qedit)

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Data Path : C:\msdchem\1\DATA\
Data File : Q4578.D
Acq On    : 13 Sep 2007   9:53 am
Operator  : danat
Sample    : ic241-0.2 (M174)
Misc      : MS14279,MSQ241,,,,,1
ALS Vial  : 1   Sample Multiplier: 1

Quant Time: Sep 13 10:18:52 2007
Quant Method : C:\msdchem\1\METHODS\Q091307T.m
Quant Title  : TO15  by GCMS w/DB-1 60 m X .25 mm ID 1.0 um
QLast Update : Thu Sep 13 09:35:51 2007
Response via : Initial Calibration
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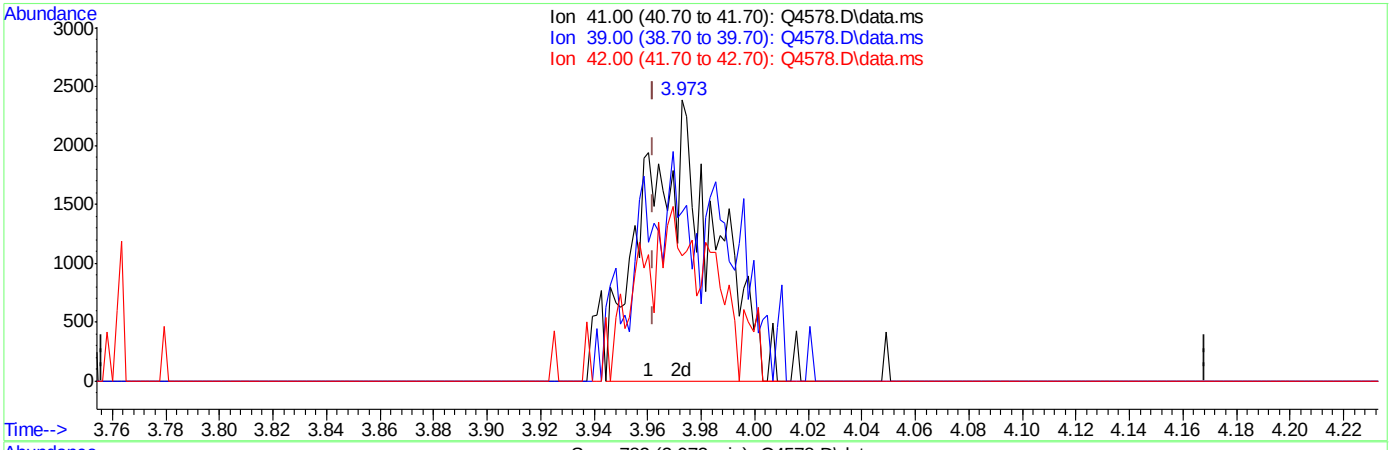
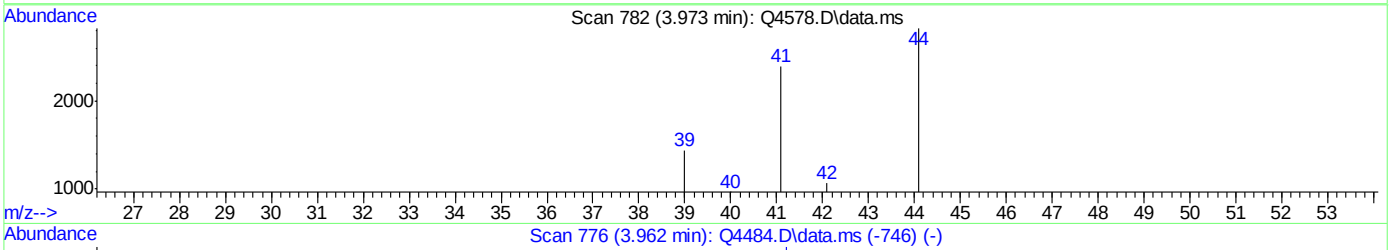
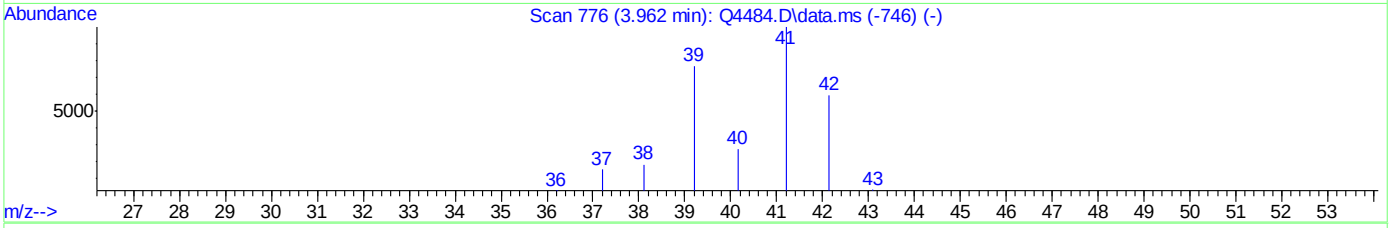






TIC: Q4578.D\data.ms

(3) PROPYLENE (m)

3.973min (+0.011) 0.21PPBV m

response 4314

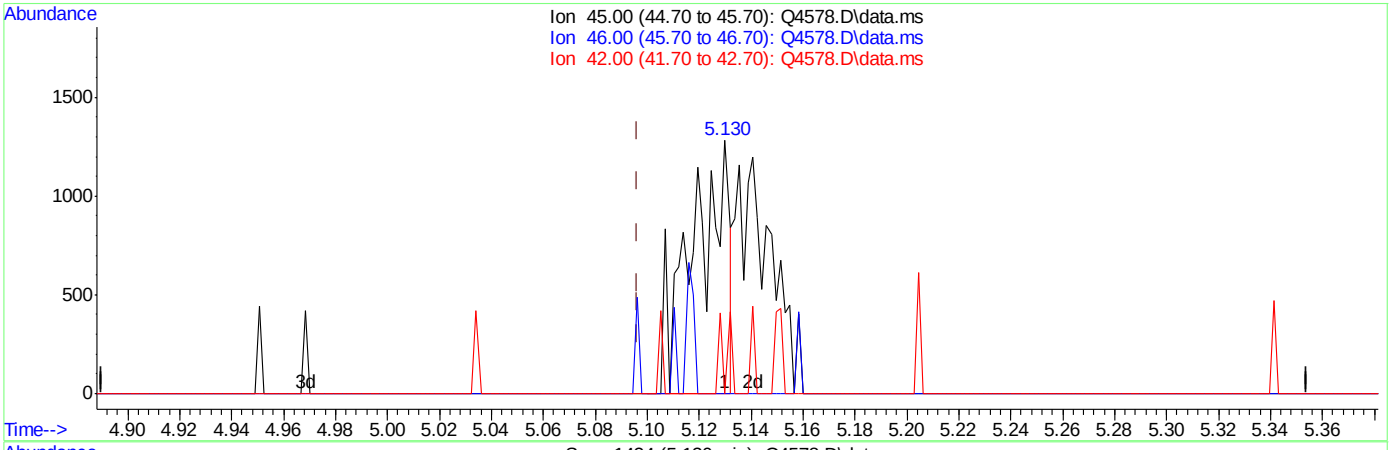
Ion	Exp%	Act%
41.00	100	100
39.00	76.80	60.02
42.00	59.90	44.55
0.00	0.00	0.00

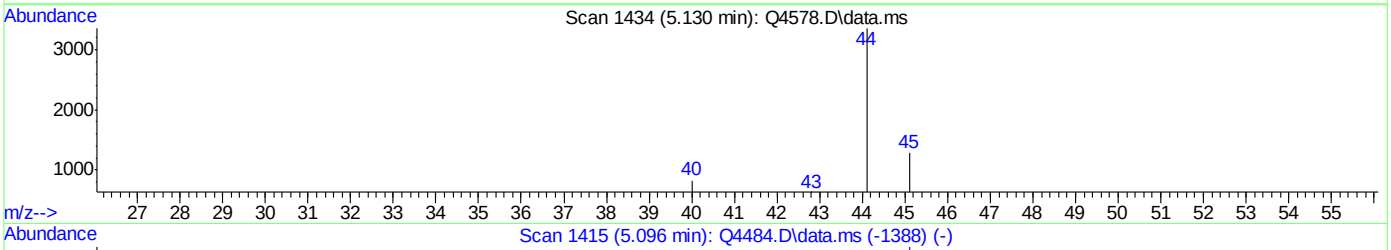
ACCUTEST Laboratories M67589

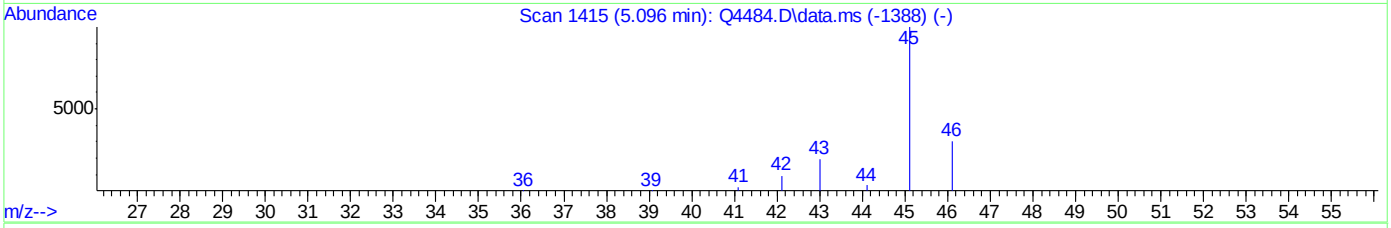
Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\
Data File : Q4578.D
Acq On : 13 Sep 2007 9:53 am
Operator : danat
Sample : ic241-0.2 (M174)
Misc : MS14279,MSQ241,,,,,1
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Sep 13 10:18:52 2007
Quant Method : C:\msdchem\1\METHODS\Q091307T.m
Quant Title : TO15 by GCMS w/DB-1 60 m X .25 mm ID 1.0 um
QLast Update : Thu Sep 13 09:35:51 2007
Response via : Initial Calibration







TIC: Q4578.D\data.ms

(16) ETHANOL (m)

5.130min (+0.034) 0.11PPBV

response 1216

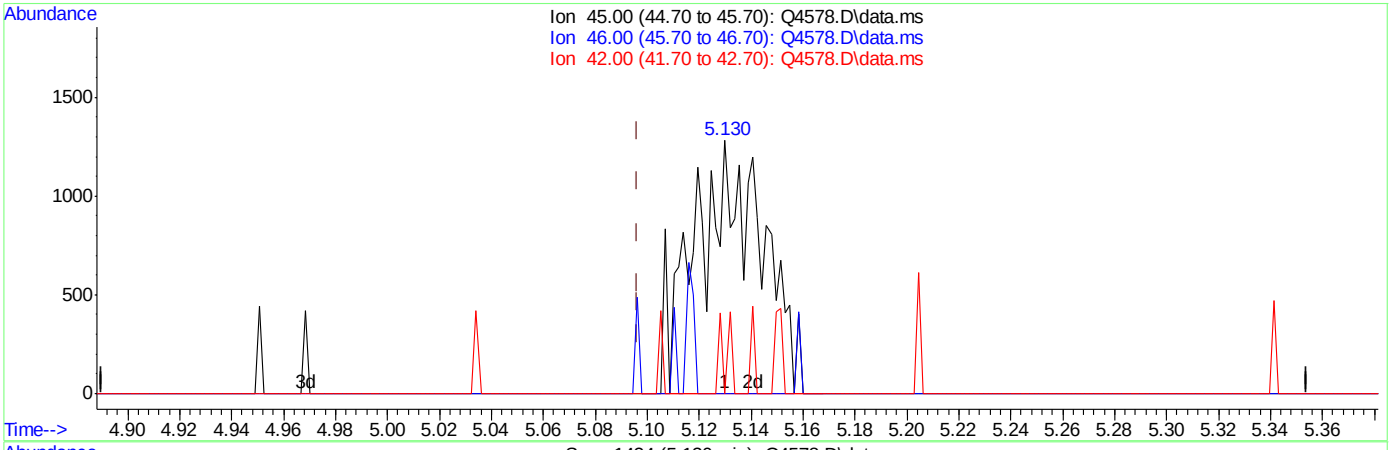
Ion	Exp%	Act%
45.00	100	100
46.00	31.90	0.00#
42.00	10.30	7.24
0.00	0.00	0.00

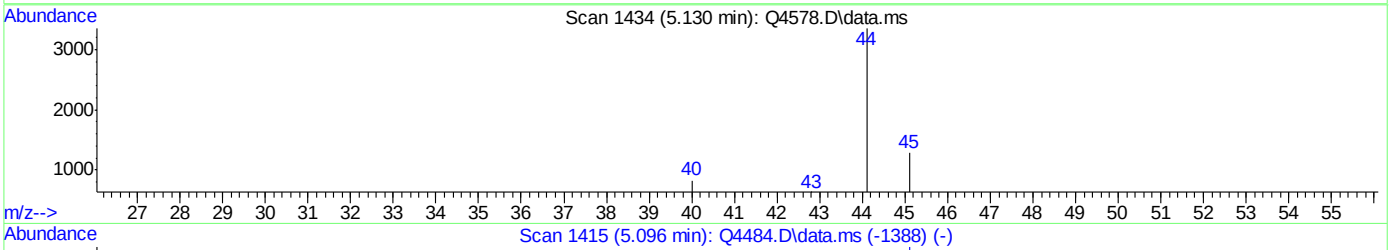
ACCUTEST Laboratories M67589

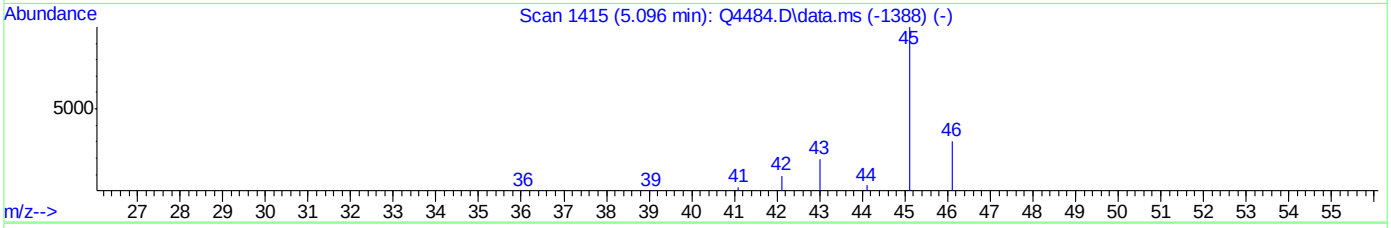
Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\
Data File : Q4578.D
Acq On : 13 Sep 2007 9:53 am
Operator : danat
Sample : ic241-0.2 (M174)
Misc : MS14279,MSQ241,,,,,1
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Sep 13 10:18:52 2007
Quant Method : C:\msdchem\1\METHODS\Q091307T.m
Quant Title : TO15 by GCMS w/DB-1 60 m X .25 mm ID 1.0 um
QLast Update : Thu Sep 13 09:35:51 2007
Response via : Initial Calibration







TIC: Q4578.D\data.ms

(16) ETHANOL (m)

5.130min (+0.034) 0.21PPBV m

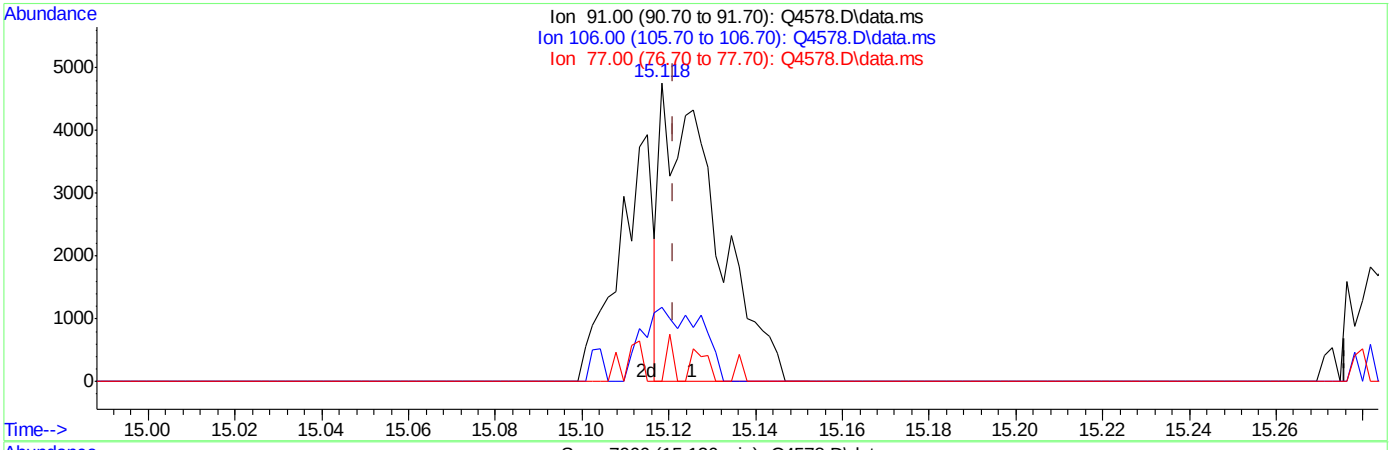
response 2320

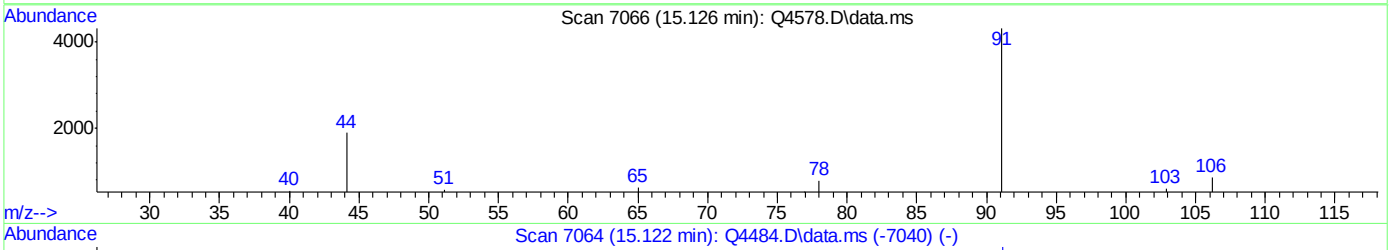
Ion	Exp%	Act%
45.00	100	100
46.00	31.90	0.00#
42.00	10.30	3.79
0.00	0.00	0.00

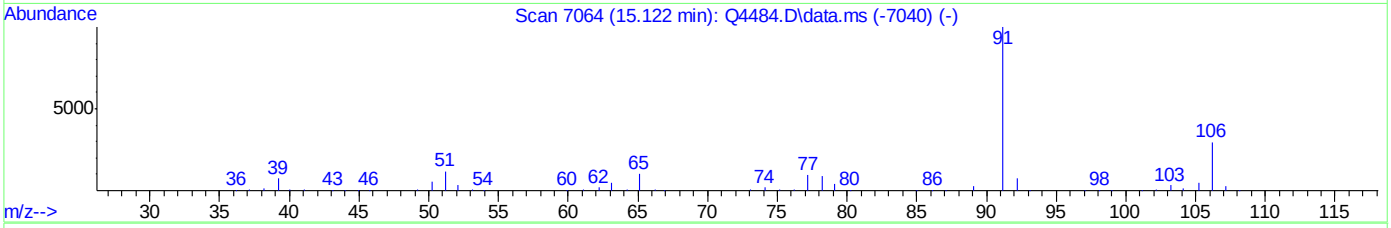
Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\
Data File : Q4578.D
Acq On : 13 Sep 2007 9:53 am
Operator : danat
Sample : ic241-0.2 (M174)
Misc : MS14279,MSQ241,,,,,1
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Sep 13 10:18:52 2007
Quant Method : C:\msdchem\1\METHODS\Q091307T.m
Quant Title : TO15 by GCMS w/DB-1 60 m X .25 mm ID 1.0 um
QLast Update : Thu Sep 13 09:35:51 2007
Response via : Initial Calibration







TIC: Q4578.D\data.ms

(55) ETHYLBENZENE (m)

15.126min (+0.005) 0.05PPBV

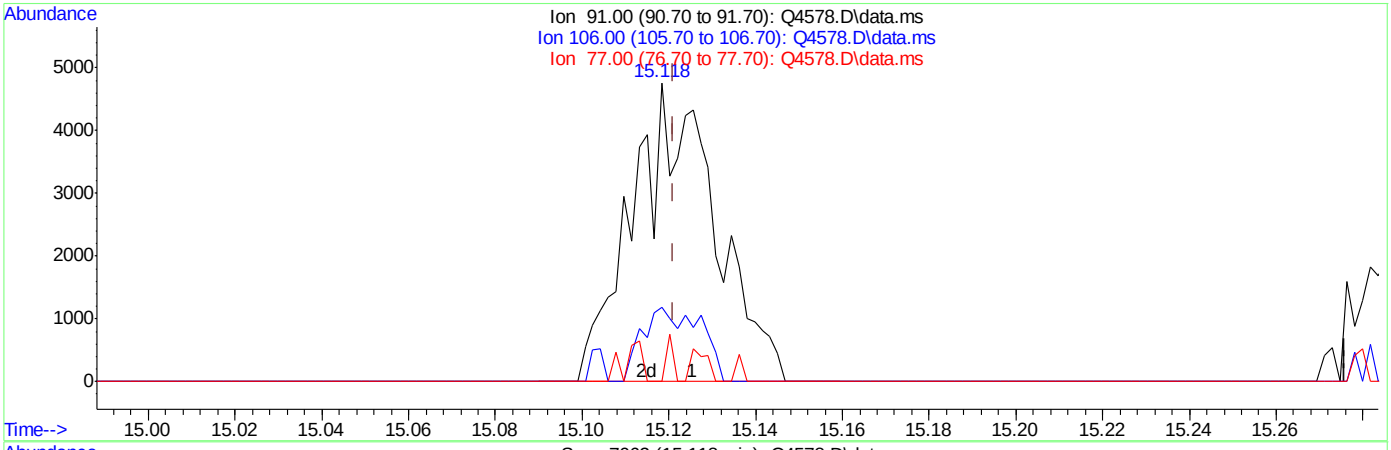
response 4156

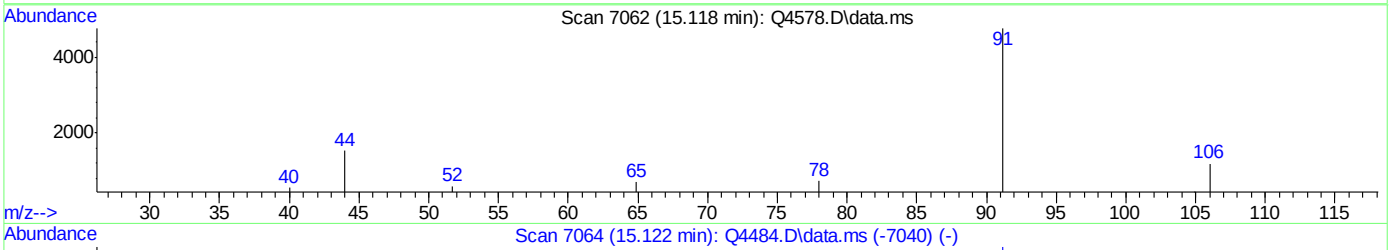
Ion	Exp%	Act%
91.00	100	100
106.00	29.50	0.00#
77.00	9.30	0.00
0.00	0.00	0.00

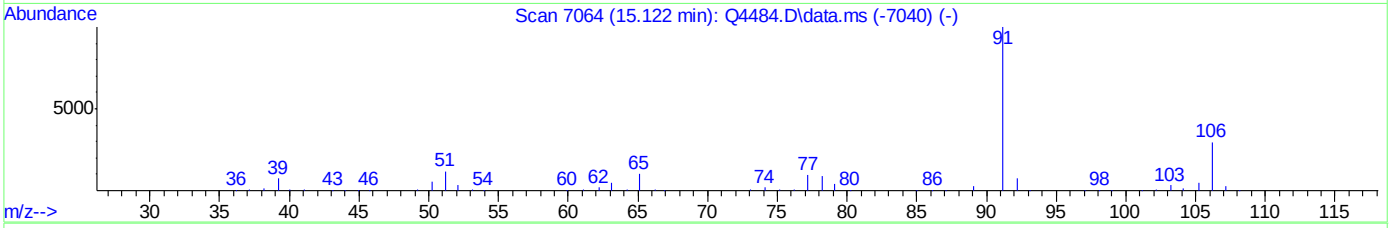
Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\
Data File : Q4578.D
Acq On : 13 Sep 2007 9:53 am
Operator : danat
Sample : ic241-0.2 (M174)
Misc : MS14279,MSQ241,,,,,1
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Sep 13 10:18:52 2007
Quant Method : C:\msdchem\1\METHODS\Q091307T.m
Quant Title : TO15 by GCMS w/DB-1 60 m X .25 mm ID 1.0 um
QLast Update : Thu Sep 13 09:35:51 2007
Response via : Initial Calibration







TIC: Q4578.D\data.ms

(55) ETHYLBENZENE (m)

15.118min (-0.003) 0.08PPBV m

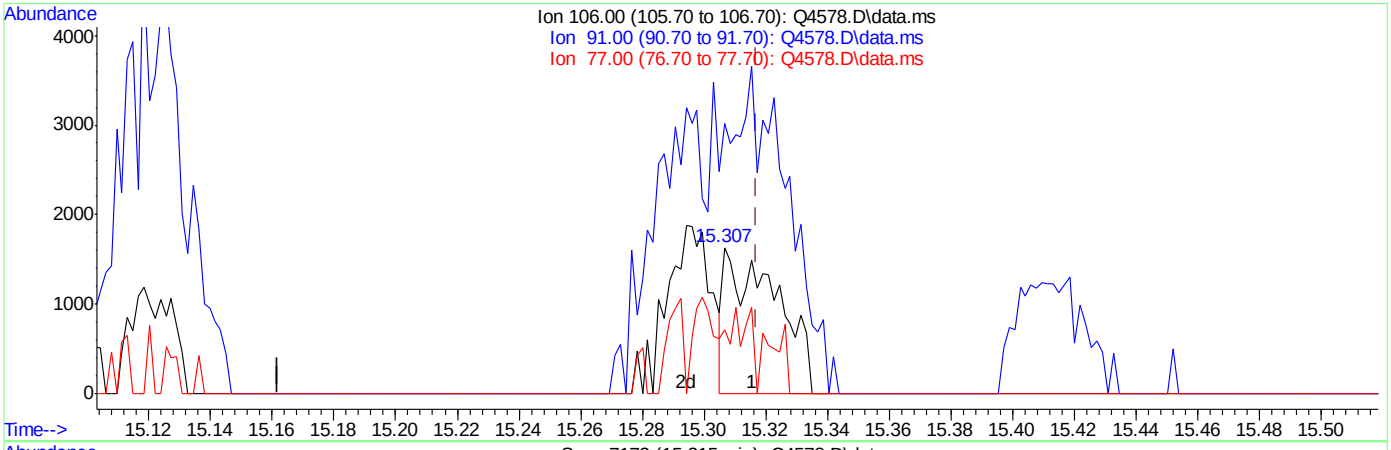
response 6341

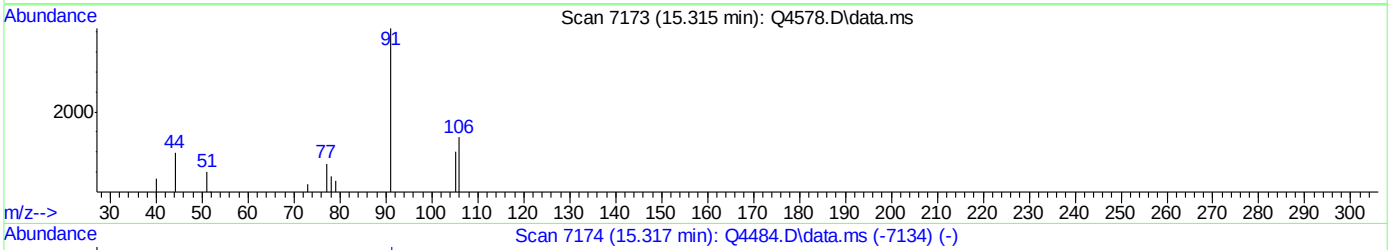
Ion	Exp%	Act%
91.00	100	100
106.00	29.50	0.00#
77.00	9.30	0.00
0.00	0.00	0.00

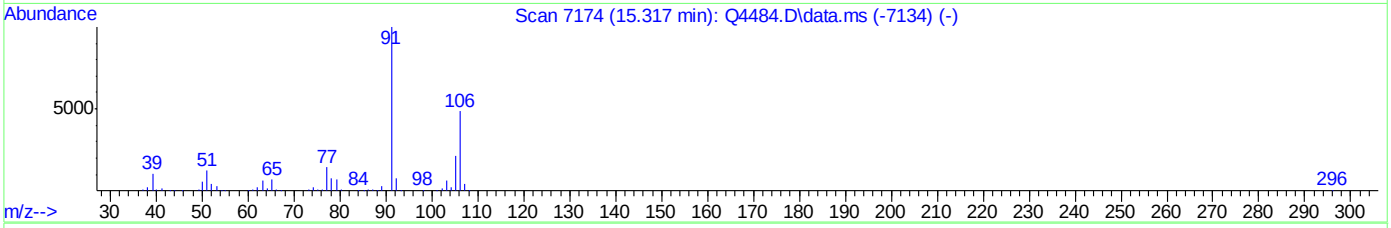
Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\
Data File : Q4578.D
Acq On : 13 Sep 2007 9:53 am
Operator : danat
Sample : ic241-0.2 (M174)
Misc : MS14279,MSQ241,,,,,1
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Sep 13 10:18:52 2007
Quant Method : C:\msdchem\1\METHODS\Q091307T.m
Quant Title : TO15 by GCMS w/DB-1 60 m X .25 mm ID 1.0 um
QLast Update : Thu Sep 13 09:35:51 2007
Response via : Initial Calibration







TIC: Q4578.D\data.ms

(56) m,p-XYLENE (m)

15.315min (-0.002) 0.06PPBV

response 1902

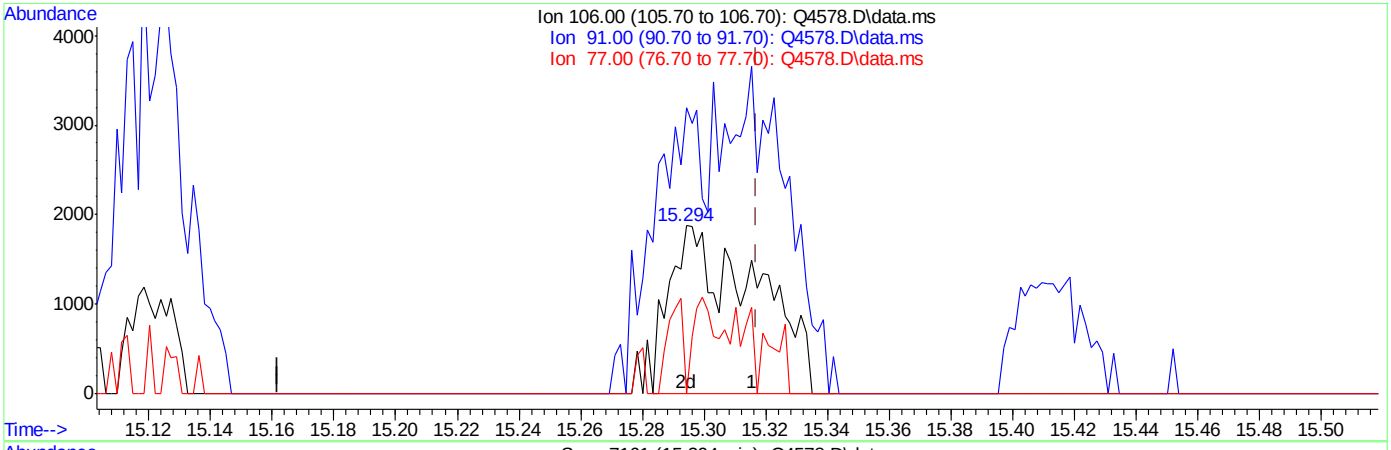
Ion	Exp%	Act%
106.00	100	100
91.00	207.00	245.70
77.00	29.20	64.77#
0.00	0.00	0.00

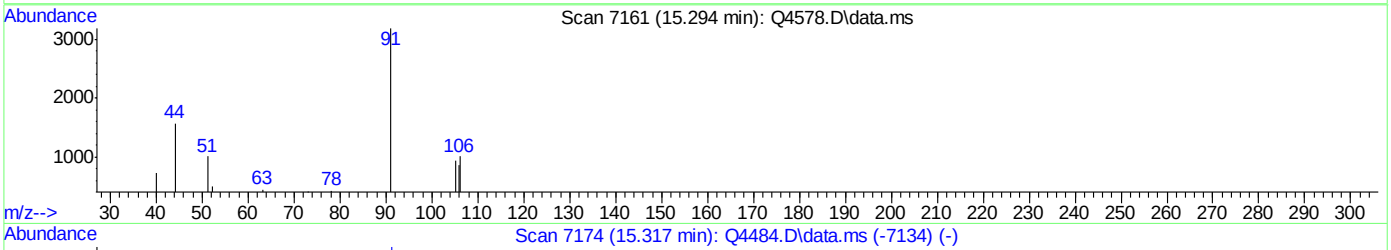
ACCUTEST Laboratories M67589

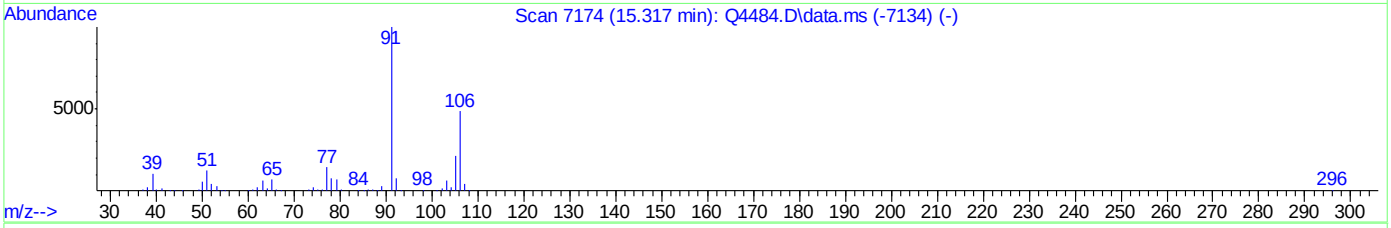
Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\
Data File : Q4578.D
Acq On : 13 Sep 2007 9:53 am
Operator : danat
Sample : ic241-0.2 (M174)
Misc : MS14279,MSQ241,,,,,1
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Sep 13 10:18:52 2007
Quant Method : C:\msdchem\1\METHODS\Q091307T.m
Quant Title : TO15 by GCMS w/DB-1 60 m X .25 mm ID 1.0 um
QLast Update : Thu Sep 13 09:35:51 2007
Response via : Initial Calibration







TIC: Q4578.D\data.ms

(56) m,p-XYLENE (m)

15.294min (-0.023) 0.11PPBV m

response 3640

Ion	Exp%	Act%
106.00	100	100
91.00	207.00	316.37#
77.00	29.20	0.00#
0.00	0.00	0.00

Manual Integrations APPROVED (compounds with "m" flag)
Philip Bassignani
09/14/07 15:48

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\
Data File : Q4579.D
Acq On : 13 Sep 2007 10:41 am
Operator : danat
Sample : ic241-40 (M112)
Misc : MS14279,MSQ241,,,,,1
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Sep 13 11:10:14 2007
Quant Method : C:\msdchem\1\METHODS\Q091307T.m
Quant Title : TO15 by GCMS w/DB-1 60 m X .25 mm ID 1.0 um
QLast Update : Thu Sep 13 09:35:51 2007
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) BROMOCHLOROMETHANE	8.635	128	323172	10.00	PPBV	0.00
35) 1,4-DIFLUOROBENZENE	10.460	114	1642975	10.00	PPBV	0.00
49) CHLOROBENZENE-D5	14.701	117	1318824	10.00	PPBV	0.00

System Monitoring Compounds

61) 4-BROMOFLUOROBENZENE	16.322	95	476791	5.90	PPBV	0.00

Spiked Amount 5.000 Range 57 - 139 Recovery = 118.00%

Target Compounds						Qvalue
2) DICHLORODIFLUOROMETHANE	4.037	85	5047805	39.19	PPBV	99
3) PROPYLENE	3.964	41	1018670	41.95	PPBV	93
4) FREON 114	4.298	85	5043387	40.58	PPBV	100
5) CHLOROMETHANE	4.202	50	1306856	39.35	PPBV	99
6) VINYL CHLORIDE	4.423	62	1516432	40.90	PPBV	100
7) 1,3-BUTADIENE	4.558	39	1213961	42.23	PPBV	97
8) BROMOMETHANE	4.837	94	1591132	39.59	PPBV	99
9) CHLOROETHANE	5.007	64	715208	43.72	PPBV	98
10) TRICHLOROFLUOROMETHANE	5.787	101	4879774	39.30	PPBV	99
11) ISOPROPYL ALCOHOL	5.833	45	2100531	40.02	PPBV	93
12) ACETONE	5.593	43	2228980	38.33	PPBV	100
13) PENTANE	6.141	42	1612641	41.84	PPBV	98
14) 1,1-DICHLOROETHYLENE	6.424	96	1509304	41.02	PPBV	99
15) CARBON DISULFIDE	6.855	76	4566200	40.23	PPBV	98
16) ETHANOL	5.103	45	491782	37.94	PPBV	98
17) BROMOETHENE	5.366	106	1467632	41.96	PPBV	99
18) METHYLENE CHLORIDE	6.535	84	1717120	29.23	PPBV	97
19) 3-CHLOROPROPENE	6.658	39	1616163	49.10	PPBV	99
20) FREON 113	6.796	151	2828714	40.48	PPBV	100
21) TRANS-1,2-DICHLOROETHY...	7.464	96	1489677	42.12	PPBV	99
22) TERTIARY BUTYL ALCOHOL	6.438	59	1650578	27.99	PPBV	96
23) METHYL TERTIARY BUTYL ...	7.705	73	3437945	48.13	PPBV	98
24) TETRAHYDROFURAN	9.132	42	1303843	55.55	PPBV	93
25) HEXANE	8.665	57	2259519	47.60	PPBV	99
26) VINYL ACETATE	7.788	43	3146941	53.19	PPBV	99
27) 1,1-DICHLOROETHANE	7.664	63	3207228	47.48	PPBV	100
28) METHYL ETHYL KETONE	8.030	43	2593320	48.73	PPBV	94
29) cis-1,2-DICHLOROETHYLENE	8.466	96	1513285	53.68	PPBV	96
30) ETHYL ACETATE	8.663	43	4130389	46.97	PPBV	99
31) CHLOROFORM	8.752	83	3765883	44.62	PPBV	99
32) 1,1,1-TRICHLOROETHANE	9.707	97	3674575	45.42	PPBV	100
33) CARBON TETRACHLORIDE	10.289	117	4009833	42.25	PPBV	100
34) 1,2-DICHLOROETHANE	9.462	62	2475749	51.29	PPBV	100
36) BENZENE	10.147	78	4688945	54.56	PPBV	98
37) CYCLOHEXANE	10.412	84	1885074	52.20	PPBV	94
38) TRICHLOROETHYLENE	11.145	95	2339293	48.96	PPBV	99
39) 1,2-DICHLOROPROPANE	10.921	63	1636685	50.17	PPBV	99
40) BROMODICHLOROMETHANE	11.106	83	4055550	46.46	PPBV	100
41) 2,2,4-TRIMETHYLPENTANE	11.168	57	7820454	51.67	PPBV	100
42) 1,4-DIOXANE	11.130	88	841406	54.47	PPBV	89
43) HEPTANE	11.405	43	2834560	54.94	PPBV	95

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\
Data File : Q4579.D
Acq On : 13 Sep 2007 10:41 am
Operator : danat
Sample : ic241-40 (M112)
Misc : MS14279,MSQ241,,,,,1
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Sep 13 11:10:14 2007
Quant Method : C:\msdchem\1\METHODS\Q091307T.m
Quant Title : TO15 by GCMS w/DB-1 60 m X .25 mm ID 1.0 um
QLast Update : Thu Sep 13 09:35:51 2007
Response via : Initial Calibration

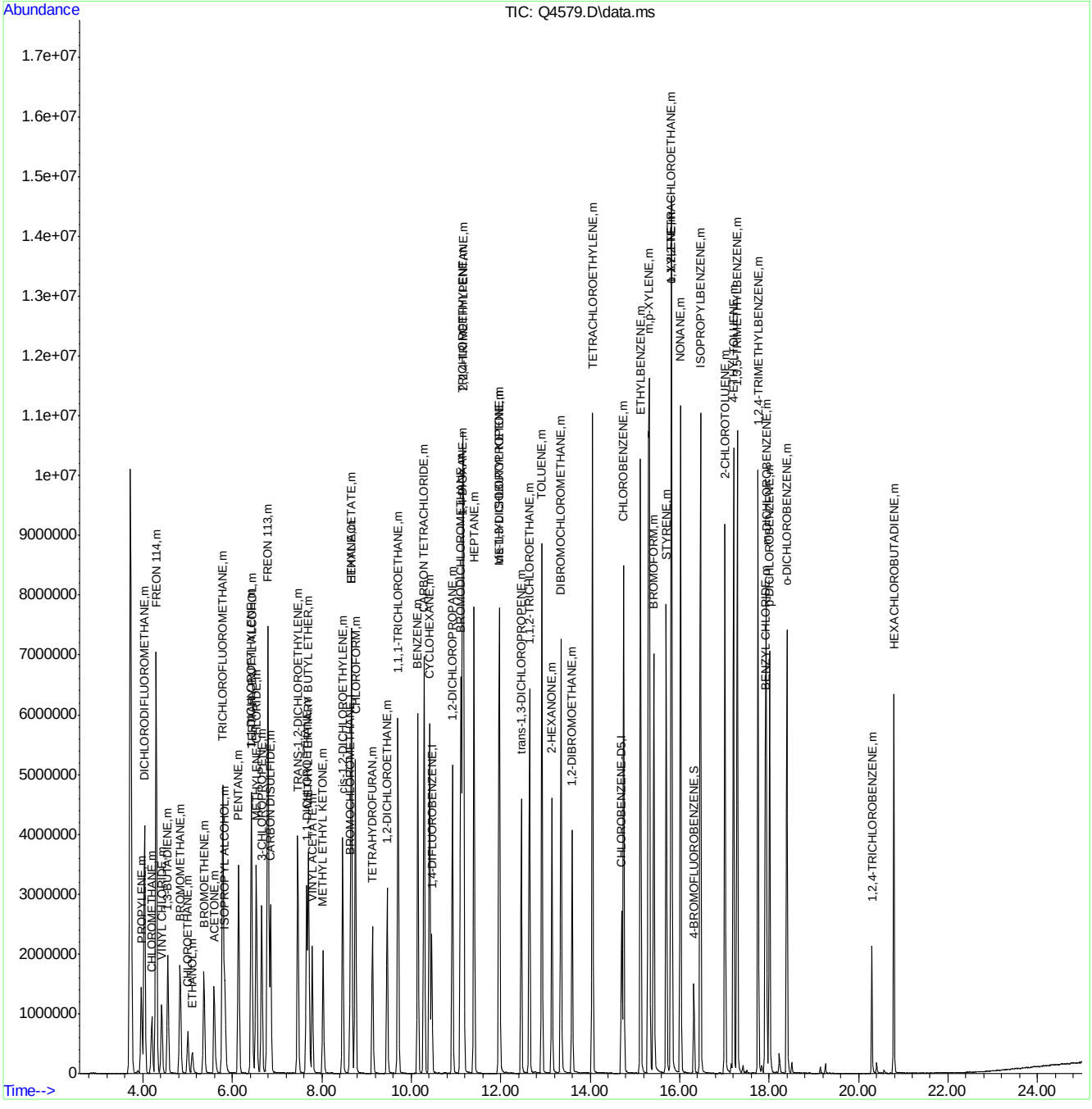
Internal Standards	R.T.	QIon	Response	Conc Units	Dev(Min)
44) METHYL ISOBUTYL KETONE	11.977	43	3372242	52.92 PPBV	98
45) cis-1,3-DICHLOROPROPENE	11.959	75	2431599	59.06 PPBV	95
46) TOLUENE	12.921	92	3372215	64.21 PPBV	97
47) trans-1,3-DICHLOROPROPENE	12.460	75	2160961	59.40 PPBV	98
48) 1,1,2-TRICHLOROETHANE	12.642	83	1625093	49.99 PPBV	99
50) 2-HEXANONE	13.145	43	2952528	57.22 PPBV	98
51) TETRACHLOROETHYLENE	14.053	164	2217029	51.17 PPBV	98
52) DIBROMOCHLOROMETHANE	13.349	129	3671175	48.75 PPBV	99
53) 1,2-DIBROMOETHANE	13.597	107	2574008m	51.45 PPBV	
54) CHLOROBENZENE	14.747	112	4171863	49.94 PPBV	99
55) ETHYLBENZENE	15.127	91	7098016	65.67 PPBV	99
56) m,p-XYLENE	15.322	106	5222042	125.37 PPBV	94
57) o-XYLENE	15.823	106	2511968	61.24 PPBV	98
58) STYRENE	15.702	104	3503207	67.36 PPBV	98
59) NONANE	16.020	43	3922038	57.25 PPBV	98
60) BROMOFORM	15.424	173	3390681m	52.57 PPBV	
62) 1,1,2,2-TETRACHLOROETHANE	15.810	83	3777500	47.17 PPBV #	28
63) ISOPROPYLBENZENE	16.465	105	7450627	58.18 PPBV	99
64) 2-CHLOROTOLUENE	17.014	91	5004832	57.14 PPBV	98
65) 4-ETHYLTOLUENE	17.205	105	6157485	59.12 PPBV	100
66) 1,3,5-TRIMETHYLBENZENE	17.289	105	5581249	55.25 PPBV	99
67) 1,2,4-TRIMETHYLBENZENE	17.756	105	5086943	60.40 PPBV	100
68) m-DICHLOROBENZENE	17.938	146	2796612	50.27 PPBV	100
69) BENZYL CHLORIDE	17.915	91	3050209	52.08 PPBV	99
70) p-DICHLOROBENZENE	18.011	146	2477805	49.20 PPBV	98
71) o-DICHLOROBENZENE	18.398	146	2680966	52.60 PPBV	100
72) HEXACHLOROBUTADIENE	20.790	225	997148	27.76 PPBV	100
73) 1,2,4-TRICHLOROBENZENE	20.299	180	535033	44.08 PPBV	98

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

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\
Data File : Q4579.D
Acq On : 13 Sep 2007 10:41 am
Operator : danat
Sample : ic241-40 (M112)
Misc : MS14279,MSQ241,,,,,1
ALS Vial : 2 Sample Multiplier: 1

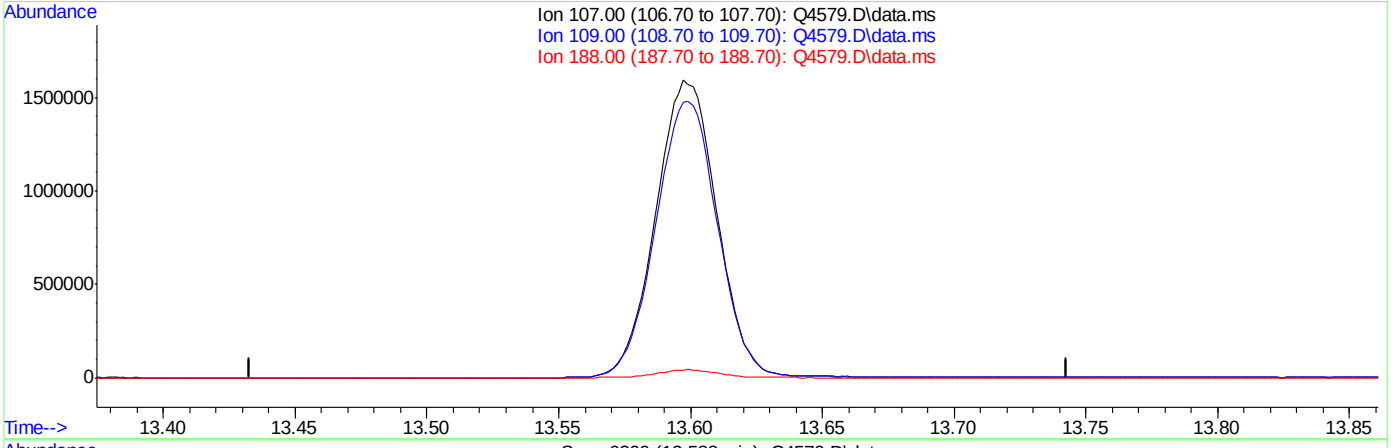
Quant Time: Sep 13 11:10:14 2007
Quant Method : C:\msdchem\1\METHODS\Q091307T.m
Quant Title : TO15 by GCMS w/DB-1 60 m X .25 mm ID 1.0 um
QLast Update : Thu Sep 13 09:35:51 2007
Response via : Initial Calibration

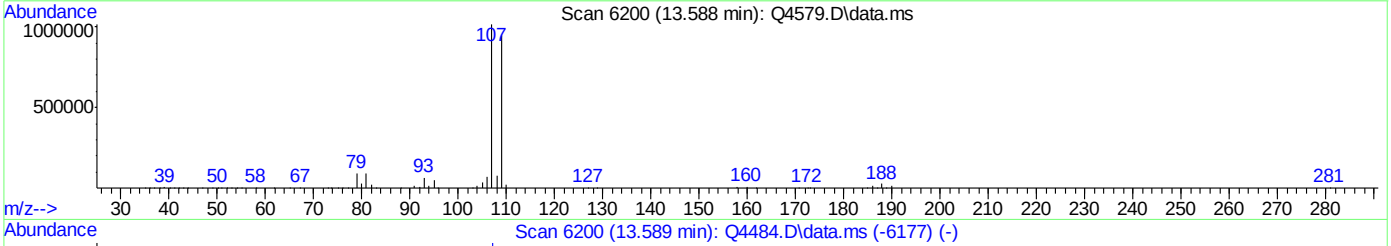


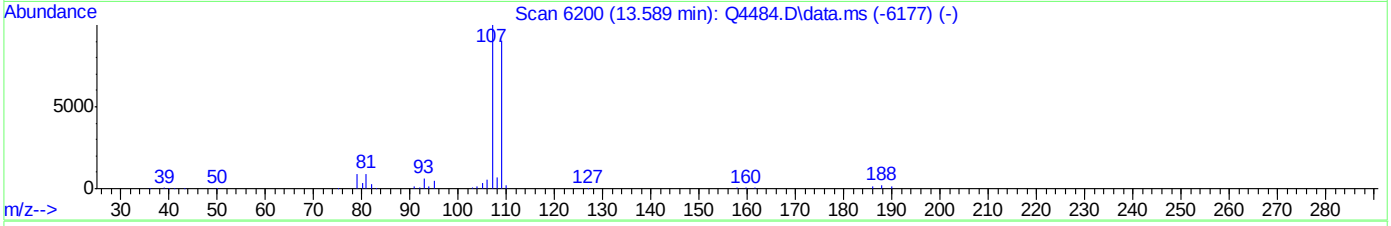
Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\
Data File : Q4579.D
Acq On : 13 Sep 2007 10:41 am
Operator : danat
Sample : ic241-40 (M112)
Misc : MS14279,MSQ241,,,,,1
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Sep 13 11:08:46 2007
Quant Method : C:\msdchem\1\METHODS\Q091307T.m
Quant Title : TO15 by GCMS w/DB-1 60 m X .25 mm ID 1.0 um
QLast Update : Thu Sep 13 09:35:51 2007
Response via : Initial Calibration







TIC: Q4579.D\data.ms

(53) 1,2-DIBROMOETHANE (m)

13.588min (-13.588) 0.00PPBV

response 0

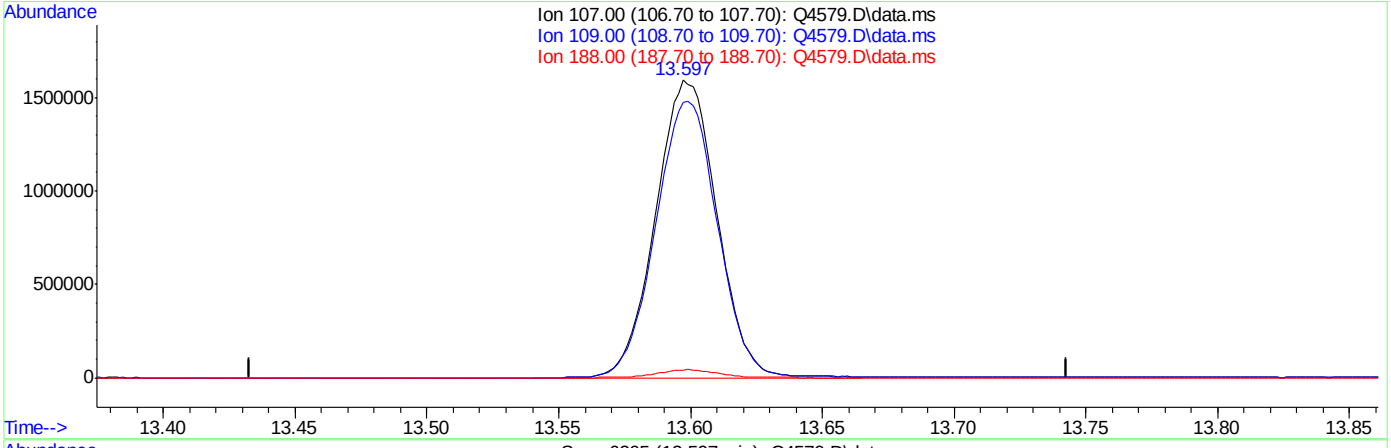
Ion	Exp%	Act%
107.00	100	0.00
109.00	94.40	0.00#
188.00	2.50	0.00
0.00	0.00	0.00

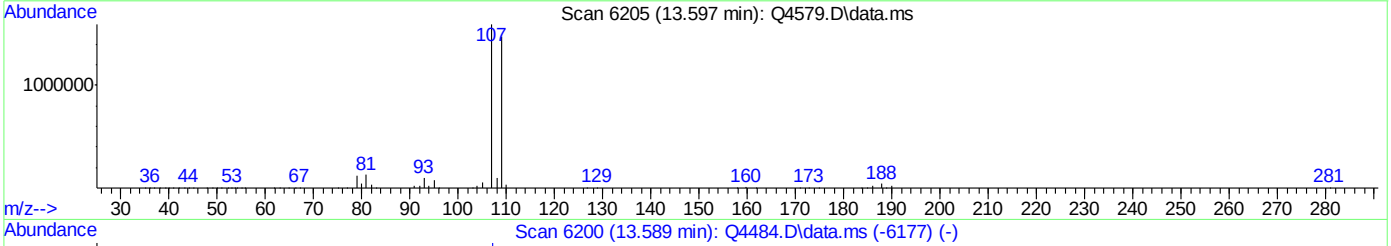
ACCUTEST Laboratories M67589

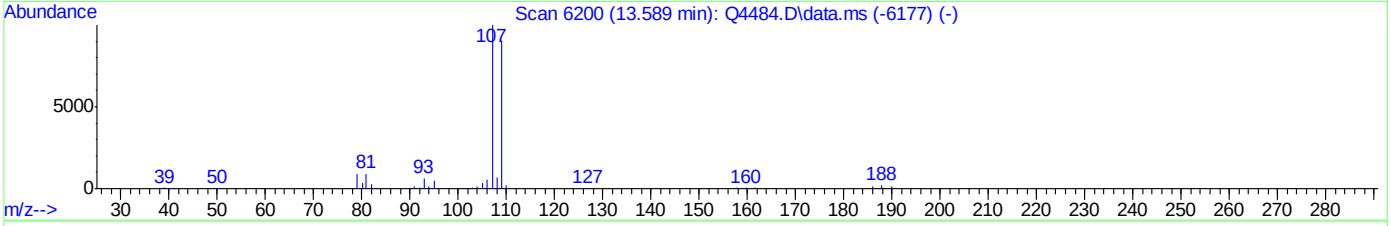
Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\
Data File : Q4579.D
Acq On : 13 Sep 2007 10:41 am
Operator : danat
Sample : ic241-40 (M112)
Misc : MS14279,MSQ241,,,,,1
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Sep 13 11:08:46 2007
Quant Method : C:\msdchem\1\METHODS\Q091307T.m
Quant Title : TO15 by GCMS w/DB-1 60 m X .25 mm ID 1.0 um
QLast Update : Thu Sep 13 09:35:51 2007
Response via : Initial Calibration







TIC: Q4579.D\data.ms

(53) 1,2-DIBROMOETHANE (m)

13.597min (+0.009) 51.45PPBV m

response 2574008

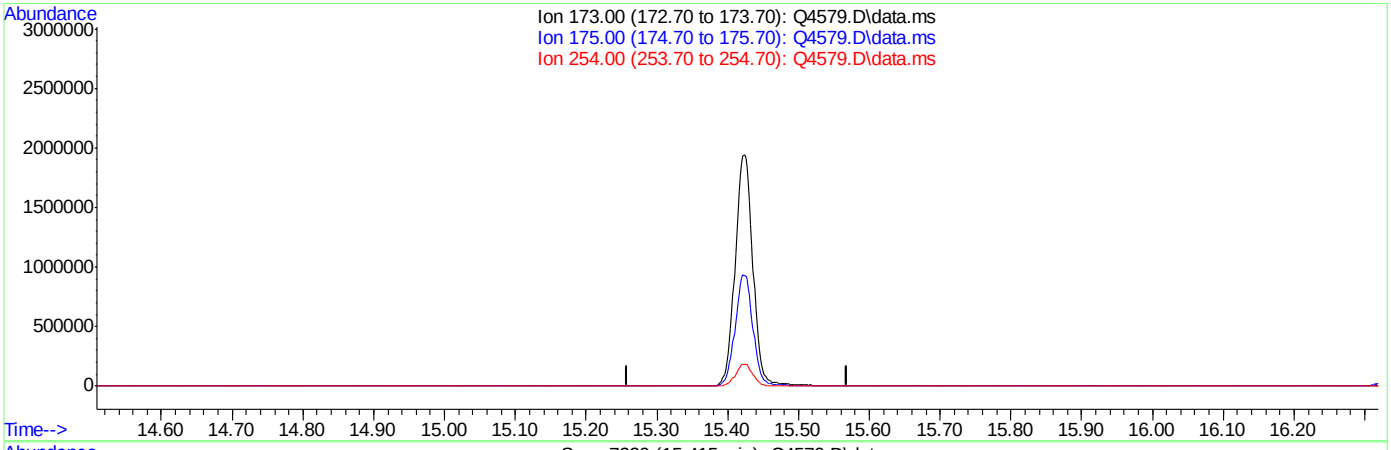
Ion	Exp%	Act%
107.00	100	100
109.00	94.40	0.00#
188.00	2.50	0.00
0.00	0.00	0.00

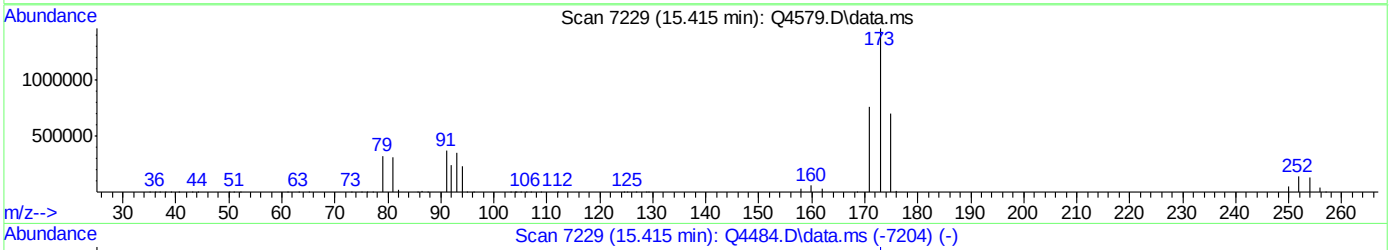
ACCUTEST Laboratories M67589

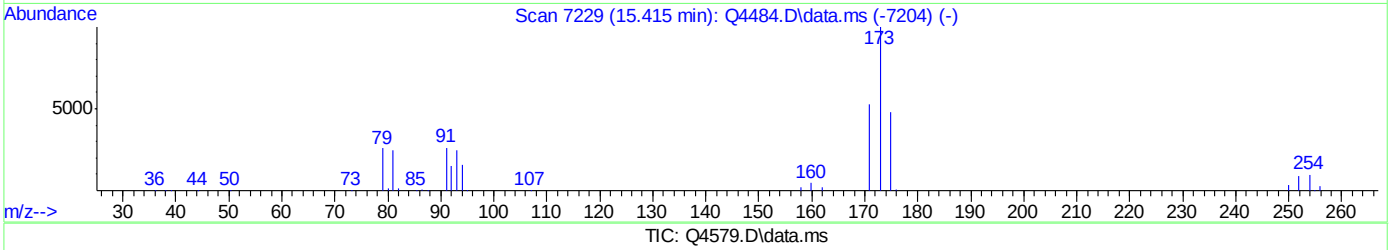
Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\
Data File : Q4579.D
Acq On : 13 Sep 2007 10:41 am
Operator : danat
Sample : ic241-40 (M112)
Misc : MS14279,MSQ241,,,,,1
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Sep 13 11:08:46 2007
Quant Method : C:\msdchem\1\METHODS\Q091307T.m
Quant Title : TO15 by GCMS w/DB-1 60 m X .25 mm ID 1.0 um
QLast Update : Thu Sep 13 09:35:51 2007
Response via : Initial Calibration







TIC: Q4579.D\data.ms

(60) BROMOFORM (m)

15.414min (-15.414) 0.00PPBV

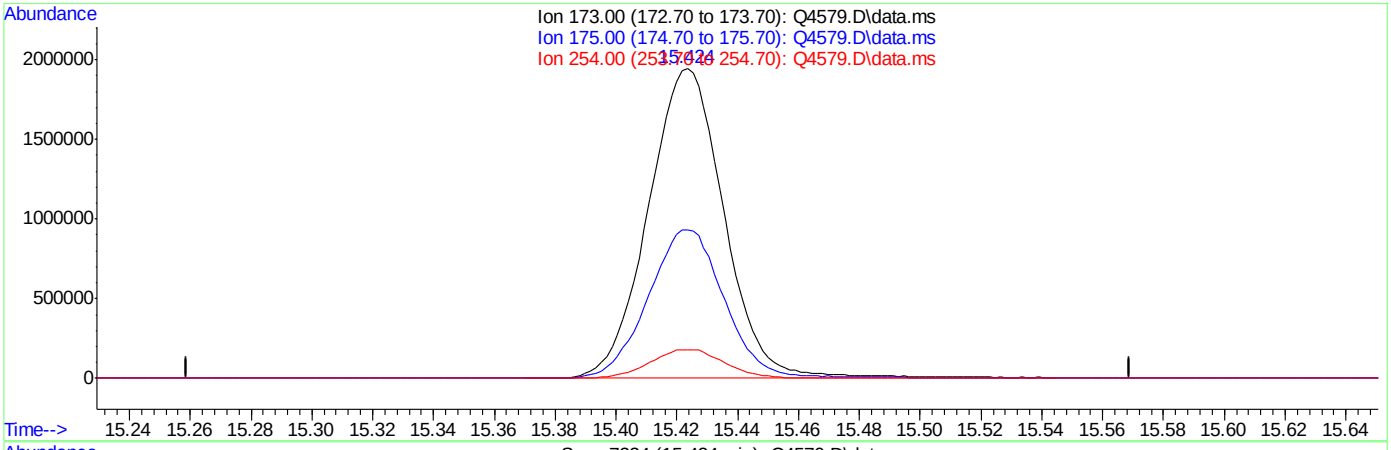
response 0

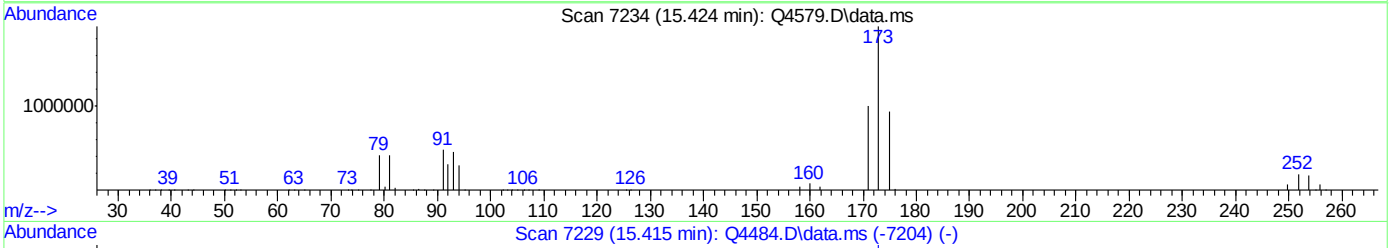
Ion	Exp%	Act%
173.00	100	0.00
175.00	48.20	0.00#
254.00	8.30	0.00
0.00	0.00	0.00

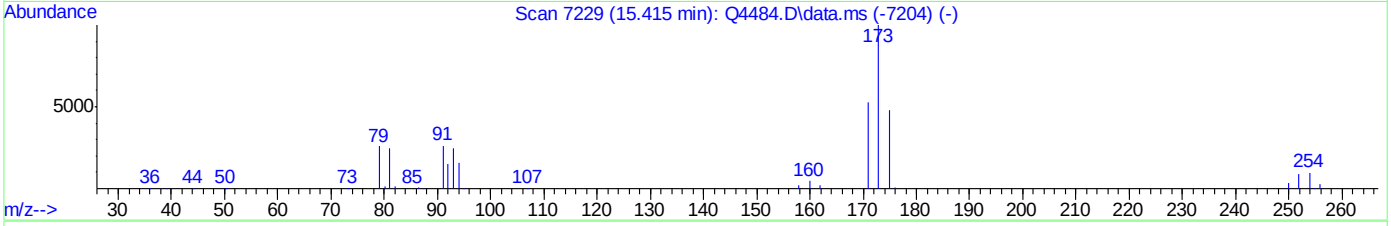
Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\
Data File : Q4579.D
Acq On : 13 Sep 2007 10:41 am
Operator : danat
Sample : ic241-40 (M112)
Misc : MS14279,MSQ241,,,,,1
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Sep 13 11:08:46 2007
Quant Method : C:\msdchem\1\METHODS\Q091307T.m
Quant Title : TO15 by GCMS w/DB-1 60 m X .25 mm ID 1.0 um
QLast Update : Thu Sep 13 09:35:51 2007
Response via : Initial Calibration







TIC: Q4579.D\data.ms

(60) BROMOFORM (m)

15.424min (+0.010) 52.57PPBV m

response 3390681

Ion	Exp%	Act%
173.00	100	100
175.00	48.20	0.00#
254.00	8.30	0.00
0.00	0.00	0.00

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\
Data File : Q4580.D
Acq On : 13 Sep 2007 11:22 am
Operator : danat
Sample : ic241-20 (M112)
Misc : MS14279,MSQ241,,,,,1
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Sep 13 11:49:13 2007
Quant Method : C:\msdchem\1\METHODS\Q091307T.m
Quant Title : TO15 by GCMS w/DB-1 60 m X .25 mm ID 1.0 um
QLast Update : Thu Sep 13 09:35:51 2007
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) BROMOCHLOROMETHANE	8.630	128	271554	10.00	PPBV	0.00
35) 1,4-DIFLUOROBENZENE	10.456	114	1405949	10.00	PPBV	0.00
49) CHLOROBENZENE-D5	14.700	117	1221089	10.00	PPBV	0.00

System Monitoring Compounds

61) 4-BROMOFLUOROBENZENE	16.318	95	443633	5.93	PPBV	0.00

Spiked Amount 5.000 Range 57 - 139 Recovery = 118.60%

Target Compounds						Qvalue
2) DICHLORODIFLUOROMETHANE	4.037	85	1962429	18.13	PPBV	99
3) PROPYLENE	3.962	41	422734	20.72	PPBV	99
4) FREON 114	4.298	85	2172805	20.81	PPBV	99
5) CHLOROMETHANE	4.198	50	565482	20.27	PPBV	99
6) VINYL CHLORIDE	4.422	62	684787	21.98	PPBV	99
7) 1,3-BUTADIENE	4.557	39	518490	21.47	PPBV	97
8) BROMOMETHANE	4.835	94	714832	21.17	PPBV	99
9) CHLOROETHANE	5.008	64	307279	22.36	PPBV	97
10) TRICHLOROFLUOROMETHANE	5.785	101	1989990	19.07	PPBV	100
11) ISOPROPYL ALCOHOL	5.826	45	950484	21.55	PPBV	99
12) ACETONE	5.595	43	924523	18.92	PPBV	99
13) PENTANE	6.143	42	729446	22.52	PPBV	98
14) 1,1-DICHLOROETHYLENE	6.426	96	685761	22.18	PPBV	95
15) CARBON DISULFIDE	6.853	76	2057494	21.57	PPBV	98
16) ETHANOL	5.100	45	218214	20.04	PPBV	100
17) BROMOETHENE	5.366	106	675888	23.00	PPBV #	97
18) METHYLENE CHLORIDE	6.537	84	755915	15.31	PPBV	97
19) 3-CHLOROPROPENE	6.653	39	724985	26.21	PPBV	100
20) FREON 113	6.795	151	1264638	21.54	PPBV	99
21) TRANS-1,2-DICHLOROETHY...	7.464	96	689707	23.21	PPBV	100
22) TERTIARY BUTYL ALCOHOL	6.431	59	1250543	25.23	PPBV	98
23) METHYL TERTIARY BUTYL ...	7.702	73	1632471	27.20	PPBV	98
24) TETRAHYDROFURAN	9.130	42	564155	28.60	PPBV	95
25) HEXANE	8.664	57	972568	24.38	PPBV	99
26) VINYL ACETATE	7.785	43	1391707	28.00	PPBV	99
27) 1,1-DICHLOROETHANE	7.659	63	1402675	24.71	PPBV	99
28) METHYL ETHYL KETONE	8.026	43	1108186	24.78	PPBV	95
29) cis-1,2-DICHLOROETHYLENE	8.467	96	620793	26.21	PPBV	97
30) ETHYL ACETATE	8.658	43	1788245	24.20	PPBV	100
31) CHLOROFORM	8.749	83	1632244	23.01	PPBV	99
32) 1,1,1-TRICHLOROETHANE	9.704	97	1571362	23.11	PPBV	100
33) CARBON TETRACHLORIDE	10.288	117	1756906	22.03	PPBV	99
34) 1,2-DICHLOROETHANE	9.457	62	1022410	25.21	PPBV	100
36) BENZENE	10.144	78	1909219	25.96	PPBV	99
37) CYCLOHEXANE	10.406	84	763871	24.72	PPBV	97
38) TRICHLOROETHYLENE	11.141	95	989910	24.21	PPBV	99
39) 1,2-DICHLOROPROPANE	10.919	63	656739	23.53	PPBV	98
40) BROMODICHLOROMETHANE	11.100	83	1674570	22.42	PPBV	98
41) 2,2,4-TRIMETHYLPENTANE	11.162	57	3356100	25.91	PPBV	100
42) 1,4-DIOXANE	11.127	88	363925	27.53	PPBV	89
43) HEPTANE	11.400	43	1153608	26.13	PPBV	97

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\
Data File : Q4580.D
Acq On : 13 Sep 2007 11:22 am
Operator : danat
Sample : ic241-20 (M112)
Misc : MS14279,MSQ241,,,,,1
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Sep 13 11:49:13 2007
Quant Method : C:\msdchem\1\METHODS\Q091307T.m
Quant Title : TO15 by GCMS w/DB-1 60 m X .25 mm ID 1.0 um
QLast Update : Thu Sep 13 09:35:51 2007
Response via : Initial Calibration

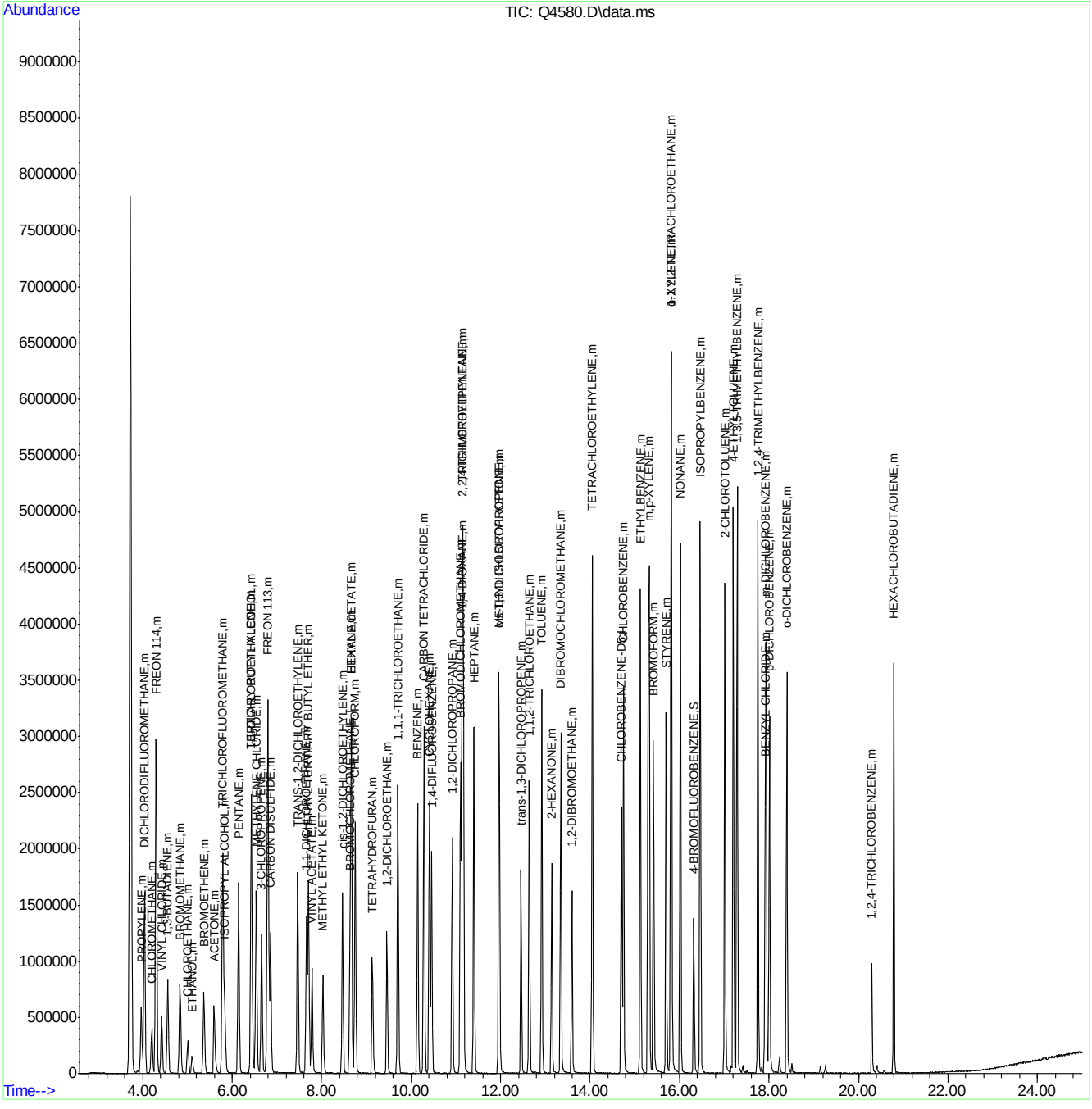
Internal Standards	R.T.	QIon	Response	Conc Units	Dev(Min)
44) METHYL ISOBUTYL KETONE	11.972	43	1510014	27.69 PPBV	99
45) cis-1,3-DICHLOROPROPENE	11.956	75	973051	27.62 PPBV	100
46) TOLUENE	12.918	92	1285956	28.61 PPBV	99
47) trans-1,3-DICHLOROPROPENE	12.456	75	835093	26.82 PPBV	99
48) 1,1,2-TRICHLOROETHANE	12.637	83	639200	22.98 PPBV	100
50) 2-HEXANONE	13.140	43	1211732	25.36 PPBV	100
51) TETRACHLOROETHYLENE	14.052	164	941874	23.48 PPBV	97
52) DIBROMOCHLOROMETHANE	13.344	129	1486095	21.32 PPBV	99
53) 1,2-DIBROMOETHANE	13.594	107	1026574	22.16 PPBV	100
54) CHLOROBENZENE	14.746	112	1662063	21.49 PPBV	100
55) ETHYLBENZENE	15.124	91	2786731	27.84 PPBV	99
56) m,p-XYLENE	15.317	106	2013338	52.20 PPBV	100
57) o-XYLENE	15.818	106	1060138	27.91 PPBV	98
58) STYRENE	15.697	104	1430895	29.71 PPBV	98
59) NONANE	16.018	43	1648246	25.98 PPBV	98
60) BROMOFORM	15.418	173	1354540	22.68 PPBV #	39
62) 1,1,2,2-TETRACHLOROETHANE	15.807	83	1614443	21.77 PPBV	99
63) ISOPROPYLBENZENE	16.462	105	3238441	27.31 PPBV	99
64) 2-CHLOROTOLUENE	17.012	91	2314177	28.54 PPBV	97
65) 4-ETHYLTOLUENE	17.202	105	3007333	31.19 PPBV	100
66) 1,3,5-TRIMETHYLBENZENE	17.287	105	2671451	28.56 PPBV	99
67) 1,2,4-TRIMETHYLBENZENE	17.750	105	2487505	31.90 PPBV	99
68) m-DICHLOROBENZENE	17.931	146	1298379	25.21 PPBV	99
69) BENZYL CHLORIDE	17.910	91	1411898	26.04 PPBV	99
70) p-DICHLOROBENZENE	18.008	146	1109981	23.81 PPBV	99
71) o-DICHLOROBENZENE	18.396	146	1264300	26.79 PPBV	100
72) HEXACHLOROBUTADIENE	20.789	225	564582	16.98 PPBV	99
73) 1,2,4-TRICHLOROBENZENE	20.297	180	260884	23.22 PPBV	97

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

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\
Data File : Q4580.D
Acq On : 13 Sep 2007 11:22 am
Operator : danat
Sample : ic241-20 (M112)
Misc : MS14279,MSQ241,,,,,1
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Sep 13 11:49:13 2007
Quant Method : C:\msdchem\1\METHODS\Q091307T.m
Quant Title : TO15 by GCMS w/DB-1 60 m X .25 mm ID 1.0 um
QLast Update : Thu Sep 13 09:35:51 2007
Response via : Initial Calibration



ACCUTEST Laboratories M67589

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\
Data File : Q4581.D
Acq On : 13 Sep 2007 12:05 pm
Operator : danat
Sample : icc241-10 (M112)
Misc : MS14279,MSQ241,,,,,1
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Sep 13 12:32:18 2007
Quant Method : C:\msdchem\1\METHODS\Q091307T.m
Quant Title : TO15 by GCMS w/DB-1 60 m X .25 mm ID 1.0 um
QLast Update : Thu Sep 13 09:35:51 2007
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) BROMOCHLOROMETHANE	8.626	128	273538	10.00	PPBV	0.00
35) 1,4-DIFLUOROBENZENE	10.454	114	1458559	10.00	PPBV	0.00
49) CHLOROBENZENE-D5	14.698	117	1164148	10.00	PPBV	0.00

System Monitoring Compounds

61) 4-BROMOFLUOROBENZENE	16.318	95	426383	5.98	PPBV	0.00

Spiked Amount 5.000 Range 57 - 139 Recovery = 119.60%

Target Compounds						Qvalue
2) DICHLORODIFLUOROMETHANE	4.035	85	1090757	10.00	PPBV	99
3) PROPYLENE	3.964	41	224047	10.90	PPBV	96
4) FREON 114	4.296	85	1155896	10.99	PPBV	99
5) CHLOROMETHANE	4.198	50	297925	10.60	PPBV	98
6) VINYL CHLORIDE	4.425	62	369164	11.76	PPBV	99
7) 1,3-BUTADIENE	4.553	39	288326	11.85	PPBV	99
8) BROMOMETHANE	4.830	94	368455	10.83	PPBV	100
9) CHLOROETHANE	5.004	64	161998	11.70	PPBV	98
10) TRICHLOROFLUOROMETHANE	5.785	101	1113920	10.60	PPBV	100
11) ISOPROPYL ALCOHOL	5.827	45	475704	10.71	PPBV	96
12) ACETONE	5.595	43	472803	9.61	PPBV	98
13) PENTANE	6.140	42	353302	10.83	PPBV	97
14) 1,1-DICHLOROETHYLENE	6.422	96	340089	10.92	PPBV	99
15) CARBON DISULFIDE	6.855	76	1046940	10.90	PPBV	99
16) ETHANOL	5.102	45	109195	9.95	PPBV	98
17) BROMOETHENE	5.368	106	332073	11.22	PPBV	99
18) METHYLENE CHLORIDE	6.532	84	349113	7.02	PPBV	99
19) 3-CHLOROPROPENE	6.654	39	329370	11.82	PPBV	97
20) FREON 113	6.795	151	614478	10.39	PPBV	98
21) TRANS-1,2-DICHLOROETHY...	7.462	96	336685	11.25	PPBV	99
22) TERTIARY BUTYL ALCOHOL	6.433	59	624221	12.50	PPBV	98
23) METHYL TERTIARY BUTYL ...	7.703	73	731042	12.09	PPBV	99
24) TETRAHYDROFURAN	9.134	42	262770	13.23	PPBV	97
25) HEXANE	8.660	57	474841	11.82	PPBV	99
26) VINYL ACETATE	7.785	43	624155	12.46	PPBV	99
27) 1,1-DICHLOROETHANE	7.659	63	646018	11.30	PPBV	100
28) METHYL ETHYL KETONE	8.026	43	507091	11.26	PPBV	95
29) cis-1,2-DICHLOROETHYLENE	8.463	96	287495	12.05	PPBV	98
30) ETHYL ACETATE	8.658	43	860882	11.57	PPBV	100
31) CHLOROFORM	8.747	83	765821	10.72	PPBV	99
32) 1,1,1-TRICHLOROETHANE	9.702	97	725837	10.60	PPBV	100
33) CARBON TETRACHLORIDE	10.284	117	865649	10.78	PPBV	99
34) 1,2-DICHLOROETHANE	9.459	62	464111	11.36	PPBV	99
36) BENZENE	10.144	78	858237	11.25	PPBV	99
37) CYCLOHEXANE	10.408	84	378348	11.80	PPBV	99
38) TRICHLOROETHYLENE	11.139	95	450523	10.62	PPBV	99
39) 1,2-DICHLOROPROPANE	10.917	63	291509	10.07	PPBV	98
40) BROMODICHLOROMETHANE	11.100	83	784989	10.13	PPBV	100
41) 2,2,4-TRIMETHYLPENTANE	11.161	57	1533611	11.41	PPBV	100
42) 1,4-DIOXANE	11.127	88	164975	12.03	PPBV	95
43) HEPTANE	11.402	43	545990	11.92	PPBV	97

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\
Data File : Q4581.D
Acq On : 13 Sep 2007 12:05 pm
Operator : danat
Sample : icc241-10 (M112)
Misc : MS14279,MSQ241,,,,,1
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Sep 13 12:32:18 2007
Quant Method : C:\msdchem\1\METHODS\Q091307T.m
Quant Title : TO15 by GCMS w/DB-1 60 m X .25 mm ID 1.0 um
QLast Update : Thu Sep 13 09:35:51 2007
Response via : Initial Calibration

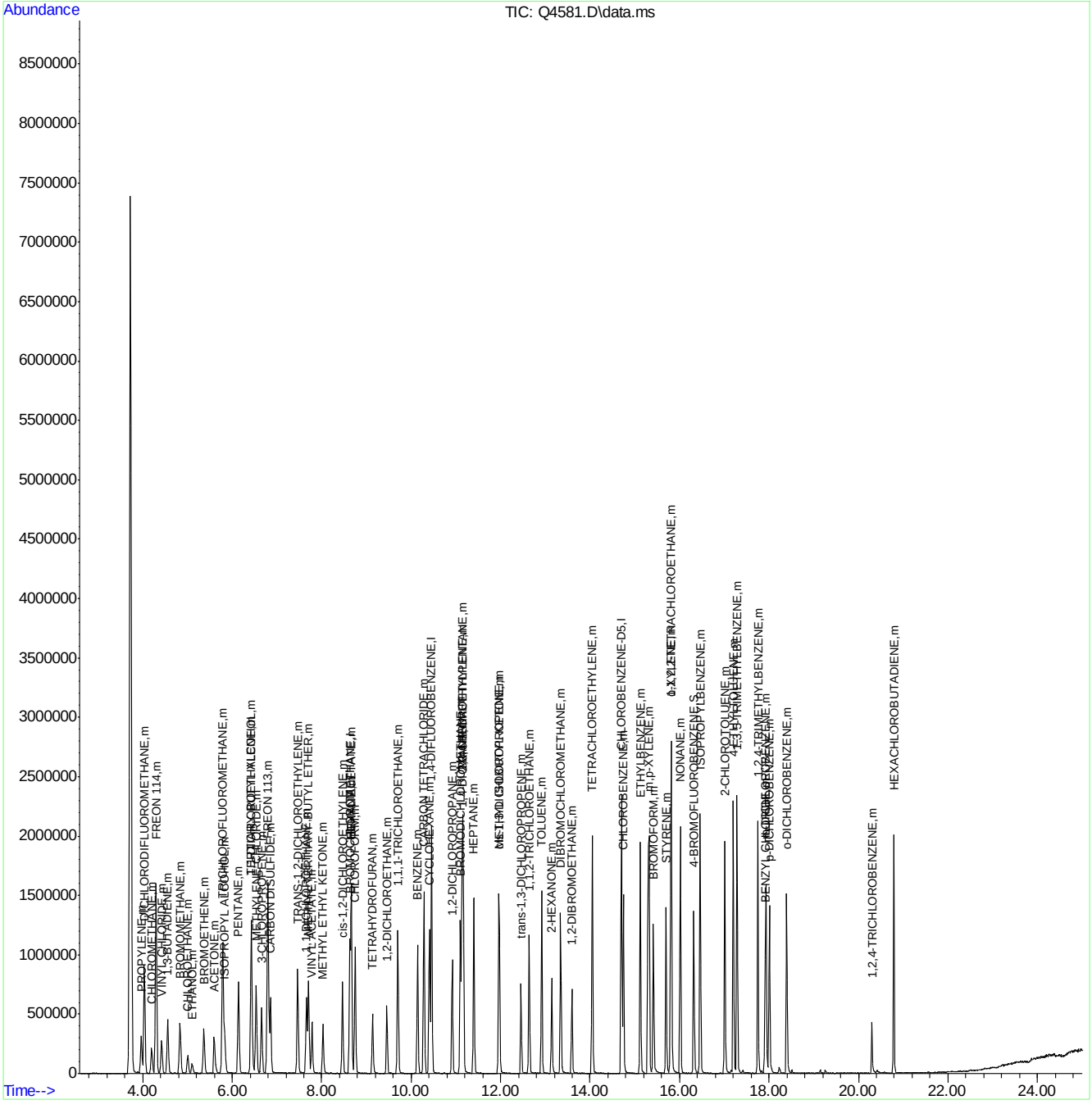
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) METHYL ISOBUTYL KETONE	11.972	43	683892	12.09	PPBV	99
45) cis-1,3-DICHLOROPROPENE	11.954	75	418451	11.45	PPBV	98
46) TOLUENE	12.918	92	562622	12.07	PPBV	99
47) trans-1,3-DICHLOROPROPENE	12.456	75	342128	10.59	PPBV	97
48) 1,1,2-TRICHLOROETHANE	12.635	83	290225	10.06	PPBV	98
50) 2-HEXANONE	13.143	43	521876	11.46	PPBV	99
51) TETRACHLOROETHYLENE	14.050	164	390951	10.22	PPBV	98
52) DIBROMOCHLOROMETHANE	13.344	129	667748	10.05	PPBV	99
53) 1,2-DIBROMOETHANE	13.594	107	454042	10.28	PPBV	100
54) CHLOROBENZENE	14.746	112	722664	9.80	PPBV	100
55) ETHYLBENZENE	15.122	91	1213853	12.72	PPBV	99
56) m,p-XYLENE	15.315	106	895454	24.35	PPBV	99
57) o-XYLENE	15.816	106	472416	13.05	PPBV	99
58) STYRENE	15.697	104	592652	12.91	PPBV	98
59) NONANE	16.018	43	720294	11.91	PPBV	99
60) BROMOFORM	15.415	173	558381	9.81	PPBV	100
62) 1,1,2,2-TETRACHLOROETHANE	15.803	83	731677	10.35	PPBV	100
63) ISOPROPYLBENZENE	16.462	105	1434647	12.69	PPBV	99
64) 2-CHLOROTOLUENE	17.010	91	1017870	13.17	PPBV	98
65) 4-ETHYLTOLUENE	17.200	105	1291087	14.04	PPBV	99
66) 1,3,5-TRIMETHYLBENZENE	17.285	105	1213960	13.61	PPBV	99
67) 1,2,4-TRIMETHYLBENZENE	17.749	105	1061041	14.27	PPBV	99
68) m-DICHLOROBENZENE	17.933	146	537506	10.94	PPBV	99
69) BENZYL CHLORIDE	17.910	91	557195	10.78	PPBV	99
70) p-DICHLOROBENZENE	18.008	146	515825	11.60	PPBV	99
71) o-DICHLOROBENZENE	18.395	146	546746	12.15	PPBV	99
72) HEXACHLOROBUTADIENE	20.791	225	307698	9.70	PPBV	99
73) 1,2,4-TRICHLOROBENZENE	20.301	180	121238	11.32	PPBV	98

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

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\
Data File : Q4581.D
Acq On : 13 Sep 2007 12:05 pm
Operator : danat
Sample : icc241-10 (M112)
Misc : MS14279,MSQ241,,,,,1
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Sep 13 12:32:18 2007
Quant Method : C:\msdchem\1\METHODS\Q091307T.m
Quant Title : TO15 by GCMS w/DB-1 60 m X .25 mm ID 1.0 um
QLast Update : Thu Sep 13 09:35:51 2007
Response via : Initial Calibration



Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\
Data File : Q4582.D
Acq On : 13 Sep 2007 12:47 pm
Operator : danat
Sample : ic241-5 (M112)
Misc : MS14279,MSQ241,,,,,1
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Sep 13 13:38:50 2007
Quant Method : C:\msdchem\1\METHODS\Q091307T.m
Quant Title : TO15 by GCMS w/DB-1 60 m X .25 mm ID 1.0 um
QLast Update : Thu Sep 13 12:33:41 2007
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) BROMOCHLOROMETHANE	8.632	128	282184	10.00	PPBV	0.00
35) 1,4-DIFLUOROBENZENE	10.456	114	1452387	10.00	PPBV	0.00
49) CHLOROBENZENE-D5	14.698	117	1148522	10.00	PPBV	0.00

System Monitoring Compounds

61) 4-BROMOFLUOROBENZENE	16.318	95	384847	5.02	PPBV	0.00

Spiked Amount 5.000 Range 57 - 139 Recovery = 100.40%

Target Compounds						Qvalue
2) DICHLORODIFLUOROMETHANE	4.037	85	658469	5.29	PPBV	100
3) PROPYLENE	3.968	41	123231	5.98	PPBV	93
4) FREON 114	4.298	85	582644	4.60	PPBV	99
5) CHLOROMETHANE	4.200	50	152563	4.67	PPBV	97
6) VINYL CHLORIDE	4.420	62	179707	5.04	PPBV	99
7) 1,3-BUTADIENE	4.557	39	124905	4.88	PPBV	98
8) BROMOMETHANE	4.832	94	185198	4.67	PPBV	99
9) CHLOROETHANE	5.011	64	69095	4.40	PPBV	99
10) TRICHLOROFLUOROMETHANE	5.790	101	601925	5.04	PPBV	100
11) ISOPROPYL ALCOHOL	5.836	45	250254	5.46	PPBV	94
12) ACETONE	5.602	43	253939	3.92	PPBV	100
13) PENTANE	6.138	42	189142	4.95	PPBV	99
14) 1,1-DICHLOROETHYLENE	6.424	96	181255	5.39	PPBV	99
15) CARBON DISULFIDE	6.853	76	576598	5.27	PPBV	100
16) ETHANOL	5.105	45	58312	5.16	PPBV	95
17) BROMOETHENE	5.368	106	172961	5.38	PPBV	99
18) METHYLENE CHLORIDE	6.539	84	195087	2.11	PPBV	96
19) 3-CHLOROPROPENE	6.656	39	158394	4.90	PPBV	99
20) FREON 113	6.795	151	333879	4.49	PPBV	99
21) TRANS-1,2-DICHLOROETHY...	7.462	96	171273	5.07	PPBV	99
22) TERTIARY BUTYL ALCOHOL	6.442	59	319536	6.40	PPBV	99
23) METHYL TERTIARY BUTYL ...	7.709	73	384559	5.81	PPBV	98
24) TETRAHYDROFURAN	9.139	42	126832	6.25	PPBV	99
25) HEXANE	8.664	57	242360	5.49	PPBV	98
26) VINYL ACETATE	7.787	43	306669	5.44	PPBV	98
27) 1,1-DICHLOROETHANE	7.661	63	323023	4.70	PPBV	99
28) METHYL ETHYL KETONE	8.034	43	272845	5.85	PPBV	99
29) cis-1,2-DICHLOROETHYLENE	8.463	96	140115	5.50	PPBV	98
30) ETHYL ACETATE	8.660	43	444326	5.50	PPBV	100
31) CHLOROFORM	8.747	83	387779	4.78	PPBV	99
32) 1,1,1-TRICHLOROETHANE	9.704	97	378690	4.99	PPBV	100
33) CARBON TETRACHLORIDE	10.284	117	445900	4.98	PPBV	99
34) 1,2-DICHLOROETHANE	9.457	62	236244	5.20	PPBV	100
36) BENZENE	10.144	78	411713	5.41	PPBV	99
37) CYCLOHEXANE	10.406	84	196510	6.77	PPBV	92
38) TRICHLOROETHYLENE	11.139	95	233099	5.71	PPBV	99
39) 1,2-DICHLOROPROPANE	10.921	63	142681	5.04	PPBV	99
40) BROMODICHLOROMETHANE	11.102	83	369189	4.67	PPBV	98
41) 2,2,4-TRIMETHYLPENTANE	11.161	57	741531	5.82	PPBV	99
42) 1,4-DIOXANE	11.134	88	81915	5.53	PPBV #	69
43) HEPTANE	11.400	43	250378	5.72	PPBV	98

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\
Data File : Q4582.D
Acq On : 13 Sep 2007 12:47 pm
Operator : danat
Sample : ic241-5 (M112)
Misc : MS14279,MSQ241,,,,,1
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Sep 13 13:38:50 2007
Quant Method : C:\msdchem\1\METHODS\Q091307T.m
Quant Title : TO15 by GCMS w/DB-1 60 m X .25 mm ID 1.0 um
QLast Update : Thu Sep 13 12:33:41 2007
Response via : Initial Calibration

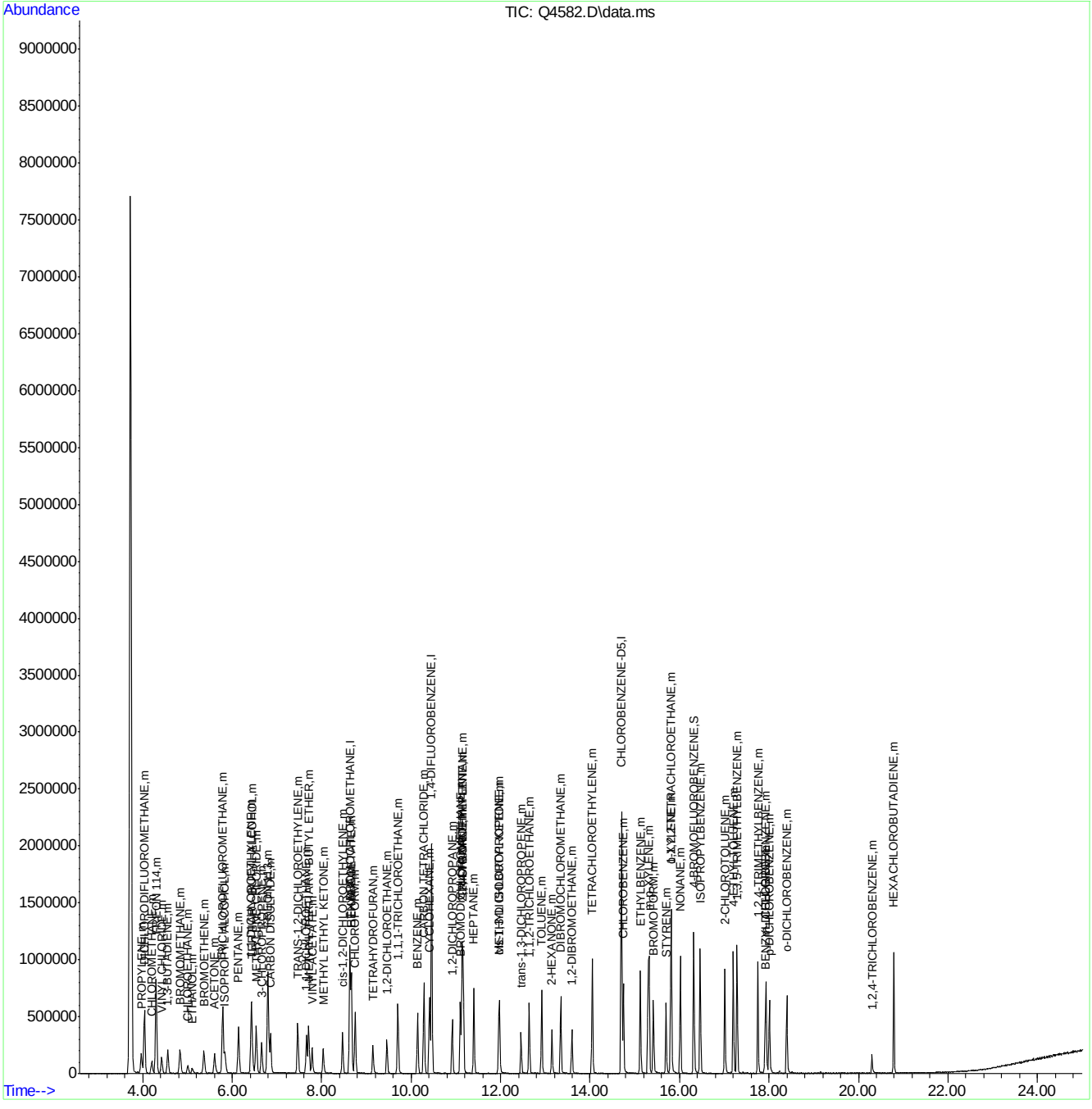
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) METHYL ISOBUTYL KETONE	11.974	43	321215	6.04	PPBV	99
45) cis-1,3-DICHLOROPROPENE	11.958	75	193276	5.38	PPBV	99
46) TOLUENE	12.918	92	265653	5.53	PPBV	97
47) trans-1,3-DICHLOROPROPENE	12.456	75	163524	5.46	PPBV	96
48) 1,1,2-TRICHLOROETHANE	12.636	83	148638	5.08	PPBV	98
50) 2-HEXANONE	13.145	43	241274	5.94	PPBV	98
51) TETRACHLOROETHYLENE	14.048	164	202858	5.51	PPBV	98
52) DIBROMOCHLOROMETHANE	13.344	129	328977	5.18	PPBV	99
53) 1,2-DIBROMOETHANE	13.594	107	228601	5.47	PPBV	99
54) CHLOROBENZENE	14.744	112	377856	5.22	PPBV	100
55) ETHYLBENZENE	15.124	91	549802	5.78	PPBV	100
56) m,p-XYLENE	15.317	106	451958	13.16	PPBV	97
57) o-XYLENE	15.814	106	225455	6.50	PPBV	97
58) STYRENE	15.697	104	245859	5.48	PPBV	99
59) NONANE	16.015	43	332791	6.17	PPBV	99
60) BROMOFORM	15.413	173	286714	5.30	PPBV	99
62) 1,1,2,2-TETRACHLOROETHANE	15.805	83	357251	5.27	PPBV	100
63) ISOPROPYLBENZENE	16.460	105	671284	6.12	PPBV	99
64) 2-CHLOROTOLUENE	17.010	91	453796	6.09	PPBV	99
65) 4-ETHYLTOLUENE	17.200	105	573371	6.35	PPBV	98
66) 1,3,5-TRIMETHYLBENZENE	17.284	105	556238	6.64	PPBV	99
67) 1,2,4-TRIMETHYLBENZENE	17.750	105	461925	6.30	PPBV	99
68) m-DICHLOROBENZENE	17.931	146	277830	6.38	PPBV	99
69) BENZYL CHLORIDE	17.910	91	250591	5.79	PPBV	98
70) p-DICHLOROBENZENE	18.004	146	239766	6.42	PPBV	99
71) o-DICHLOROBENZENE	18.396	146	249210	5.90	PPBV	99
72) HEXACHLOROBUTADIENE	20.789	225	164350	4.90	PPBV	98
73) 1,2,4-TRICHLOROBENZENE	20.302	180	47951	4.89	PPBV	99

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

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\
Data File : Q4582.D
Acq On : 13 Sep 2007 12:47 pm
Operator : danat
Sample : ic241-5 (M112)
Misc : MS14279,MSQ241,,,,,1
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Sep 13 13:38:50 2007
Quant Method : C:\msdchem\1\METHODS\Q091307T.m
Quant Title : TO15 by GCMS w/DB-1 60 m X .25 mm ID 1.0 um
QLast Update : Thu Sep 13 12:33:41 2007
Response via : Initial Calibration



ACCUTEST Laboratories M67589

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\
Data File : Q4583.D
Acq On : 13 Sep 2007 1:29 pm
Operator : danat
Sample : ic241-2 (M112)
Misc : MS14279,MSQ241,,,,,1
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Sep 13 13:54:44 2007
Quant Method : C:\msdchem\1\METHODS\Q091307T.m
Quant Title : TO15 by GCMS w/DB-1 60 m X .25 mm ID 1.0 um
QLast Update : Thu Sep 13 13:39:02 2007
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) BROMOCHLOROMETHANE	8.628	128	289226	10.00	PPBV	0.00
35) 1,4-DIFLUOROBENZENE	10.454	114	1467694	10.00	PPBV	0.00
49) CHLOROBENZENE-D5	14.698	117	1161114	10.00	PPBV	0.00

System Monitoring Compounds
61) 4-BROMOFLUOROBENZENE 16.318 95 394539 5.09 PPBV 0.00
Spiked Amount 5.000 Range 57 - 139 Recovery = 101.80%

Target Compounds						Qvalue
2) DICHLORODIFLUOROMETHANE	4.037	85	352908	2.74	PPBV	99
3) PROPYLENE	3.966	41	63736	2.92	PPBV	94
4) FREON 114	4.298	85	332157	2.59	PPBV	99
5) CHLOROMETHANE	4.200	50	85897	2.59	PPBV	97
6) VINYL CHLORIDE	4.424	62	98493	2.69	PPBV	100
7) 1,3-BUTADIENE	4.557	39	66757	2.55	PPBV	98
8) BROMOMETHANE	4.832	94	101355	2.52	PPBV	99
9) CHLOROETHANE	4.999	64	36730	2.33	PPBV	100
10) TRICHLOROFLUOROMETHANE	5.787	101	325876	2.66	PPBV	99
11) ISOPROPYL ALCOHOL	5.840	45	113984	2.39	PPBV	92
12) ACETONE	5.606	43	121311	1.90	PPBV	98
13) PENTANE	6.140	42	95381	2.44	PPBV	100
14) 1,1-DICHLOROETHYLENE	6.422	96	91020	2.60	PPBV	98
15) CARBON DISULFIDE	6.852	76	291437	2.57	PPBV	99
16) ETHANOL	5.107	45	29143	2.50	PPBV	97
17) BROMOETHENE	5.364	106	90120	2.70	PPBV	99
18) METHYLENE CHLORIDE	6.537	84	114134	1.33	PPBV	96
19) 3-CHLOROPROPENE	6.660	39	72598	2.20	PPBV	99
20) FREON 113	6.797	151	168014	2.24	PPBV	99
21) TRANS-1,2-DICHLOROETHY...	7.462	96	81138	2.34	PPBV	100
22) TERTIARY BUTYL ALCOHOL	6.442	59	152464	2.84	PPBV	96
23) METHYL TERTIARY BUTYL ...	7.709	73	171804	2.46	PPBV	99
24) TETRAHYDROFURAN	9.150	42	50199	2.32	PPBV	99
25) HEXANE	8.660	57	112858	2.45	PPBV	95
26) VINYL ACETATE	7.789	43	131215	2.24	PPBV	93
27) 1,1-DICHLOROETHANE	7.659	63	149370	2.14	PPBV	99
28) METHYL ETHYL KETONE	8.035	43	114557	2.33	PPBV	97
29) cis-1,2-DICHLOROETHYLENE	8.460	96	58902	2.22	PPBV	98
30) ETHYL ACETATE	8.660	43	197495	2.35	PPBV	100
31) CHLOROFORM	8.747	83	180479	2.19	PPBV	99
32) 1,1,1-TRICHLOROETHANE	9.702	97	176028	2.26	PPBV	99
33) CARBON TETRACHLORIDE	10.288	117	212865	2.32	PPBV	99
34) 1,2-DICHLOROETHANE	9.457	62	106196	2.26	PPBV	100
36) BENZENE	10.140	78	173639	2.23	PPBV	99
37) CYCLOHEXANE	10.412	84	88455	2.85	PPBV	87
38) TRICHLOROETHYLENE	11.138	95	100385	2.38	PPBV	99
39) 1,2-DICHLOROPROPANE	10.916	63	62479	2.18	PPBV	98
40) BROMODICHLOROMETHANE	11.095	83	163055	2.06	PPBV	98
41) 2,2,4-TRIMETHYLPENTANE	11.161	57	324544	2.45	PPBV	99
42) 1,4-DIOXANE	11.143	88	33352	2.18	PPBV #	1
43) HEPTANE	11.400	43	101523	2.24	PPBV	98

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\
Data File : Q4583.D
Acq On : 13 Sep 2007 1:29 pm
Operator : danat
Sample : ic241-2 (M112)
Misc : MS14279,MSQ241,,,,,1
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Sep 13 13:54:44 2007
Quant Method : C:\msdchem\1\METHODS\Q091307T.m
Quant Title : TO15 by GCMS w/DB-1 60 m X .25 mm ID 1.0 um
QLast Update : Thu Sep 13 13:39:02 2007
Response via : Initial Calibration

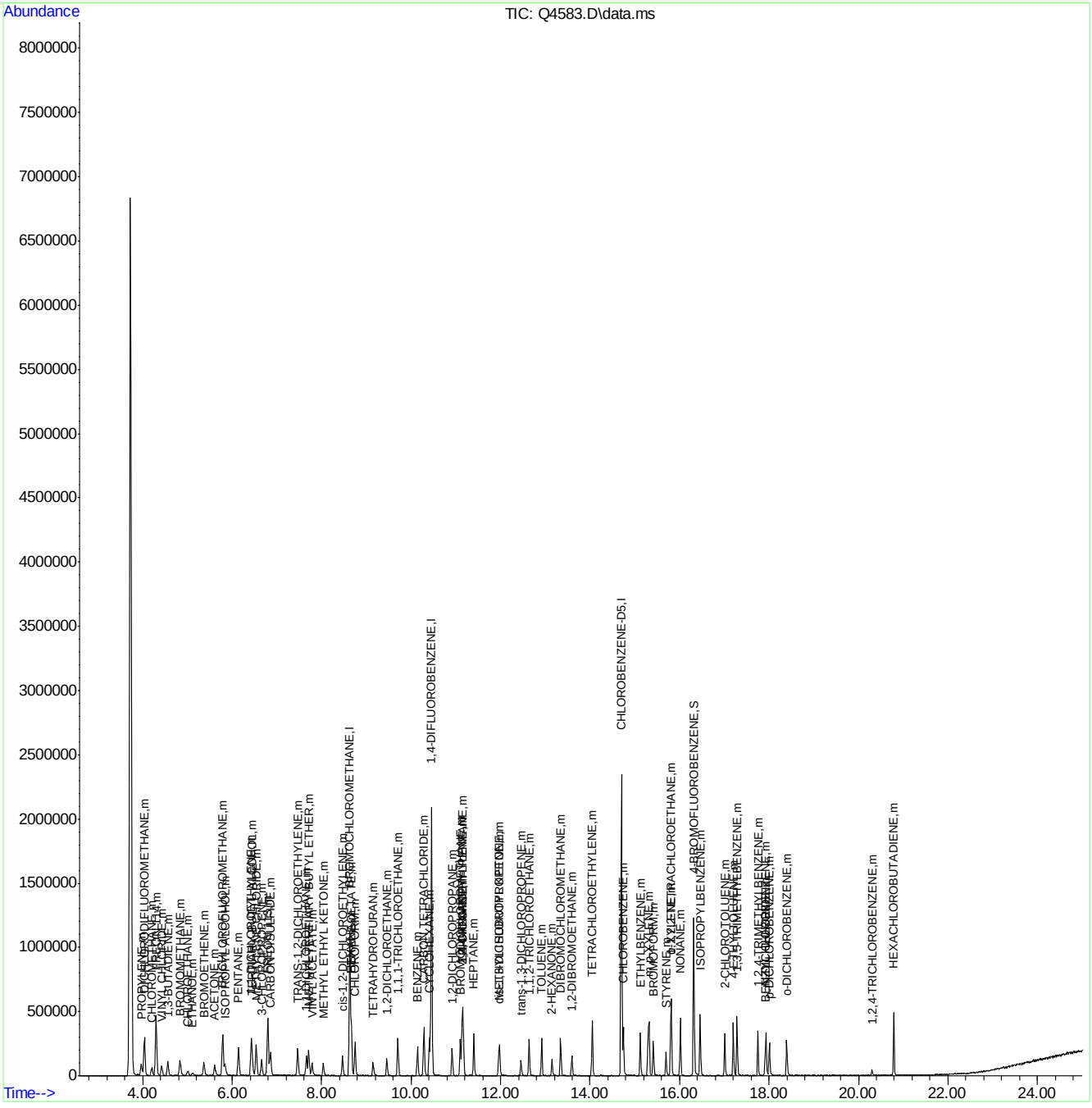
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) METHYL ISOBUTYL KETONE	11.977	43	128738	2.32	PPBV	98
45) cis-1,3-DICHLOROPROPENE	11.956	75	71789	1.95	PPBV	95
46) TOLUENE	12.918	92	103768	2.10	PPBV	96
47) trans-1,3-DICHLOROPROPENE	12.455	75	57373	1.87	PPBV	99
48) 1,1,2-TRICHLOROETHANE	12.636	83	65911	2.22	PPBV	99
50) 2-HEXANONE	13.145	43	87469	2.07	PPBV	94
51) TETRACHLOROETHYLENE	14.050	164	85500	2.26	PPBV	99
52) DIBROMOCHLOROMETHANE	13.344	129	142023	2.20	PPBV	99
53) 1,2-DIBROMOETHANE	13.592	107	94239	2.20	PPBV	99
54) CHLOROBENZENE	14.742	112	163747	2.22	PPBV	98
55) ETHYLBENZENE	15.124	91	204573	2.07	PPBV	99
56) m,p-XYLENE	15.319	106	178497	4.88	PPBV	96
57) o-XYLENE	15.816	106	90366	2.45	PPBV	98
58) STYRENE	15.697	104	76713	1.66	PPBV	99
59) NONANE	16.015	43	131334	2.32	PPBV	99
60) BROMOFORM	15.415	173	122196	2.21	PPBV	99
62) 1,1,2,2-TETRACHLOROETHANE	15.805	83	162403	2.35	PPBV	99
63) ISOPROPYLBENZENE	16.460	105	274234	2.38	PPBV	99
64) 2-CHLOROTOLUENE	17.012	91	168306	2.15	PPBV	99
65) 4-ETHYLTOLUENE	17.200	105	207862	2.18	PPBV	100
66) 1,3,5-TRIMETHYLBENZENE	17.284	105	227450	2.55	PPBV	94
67) 1,2,4-TRIMETHYLBENZENE	17.750	105	160315	2.07	PPBV	97
68) m-DICHLOROBENZENE	17.931	146	115815	2.52	PPBV	99
69) BENZYL CHLORIDE	17.912	91	92900	2.07	PPBV	98
70) p-DICHLOROBENZENE	18.004	146	100763	2.55	PPBV	99
71) o-DICHLOROBENZENE	18.398	146	101491	2.31	PPBV	99
72) HEXACHLOROBUTADIENE	20.792	225	76192	2.25	PPBV	100
73) 1,2,4-TRICHLOROBENZENE	20.304	180	14118	1.43	PPBV	91

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

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\
Data File : Q4583.D
Acq On : 13 Sep 2007 1:29 pm
Operator : danat
Sample : ic241-2 (M112)
Misc : MS14279,MSQ241,,,,,1
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Sep 13 13:54:44 2007
Quant Method : C:\msdchem\1\METHODS\Q091307T.m
Quant Title : TO15 by GCMS w/DB-1 60 m X .25 mm ID 1.0 um
QLast Update : Thu Sep 13 13:39:02 2007
Response via : Initial Calibration



ACCUTEST Laboratories M67589

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\
Data File : Q4586a.D
Acq On : 13 Sep 2007 3:45 pm
Operator : danat
Sample : cc241-10 (M020)
Misc : MS14279,MSQ241,,,,,1
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Sep 14 09:26:07 2007
Quant Method : C:\msdchem\1\METHODS\Q091307T.m
Quant Title : TO15 by GCMS w/DB-1 60 m X .25 mm ID 1.0 um
QLast Update : Thu Sep 13 13:58:21 2007
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) BROMOCHLOROMETHANE	8.628	128	234976	10.00	PPBV	0.00
35) 1,4-DIFLUOROBENZENE	10.458	114	1251450	10.00	PPBV	0.00
49) CHLOROBENZENE-D5	14.698	117	1047038	10.00	PPBV	0.00

System Monitoring Compounds

61) 4-BROMOFLUOROBENZENE	16.318	95	388272	5.54	PPBV	0.00

Spiked Amount 5.000 Range 57 - 139 Recovery = 110.80%

Target Compounds						Qvalue
2) DICHLORODIFLUOROMETHANE	4.039	85	1082704	9.83	PPBV	100
3) PROPYLENE	3.966	41	207225	10.97	PPBV	93
4) FREON 114	4.299	85	1024373	9.45	PPBV	98
5) CHLOROMETHANE	4.205	50	272208	9.70	PPBV	99
6) VINYL CHLORIDE	4.425	62	317689	10.18	PPBV	99
7) 1,3-BUTADIENE	4.559	39	229333	10.39	PPBV	100
8) BROMOMETHANE	4.834	94	308061	9.09	PPBV	100
9) CHLOROETHANE	5.006	64	124068	9.46	PPBV	98
10) TRICHLOROFLUOROMETHANE	5.788	101	1001542	9.61	PPBV	100
11) ISOPROPYL ALCOHOL	5.829	45	360794	9.05	PPBV	97
12) ACETONE	5.599	43	332227	8.03	PPBV	99
13) PENTANE	6.145	42	274470	8.37	PPBV	99
14) 1,1-DICHLOROETHYLENE	6.424	96	277344	9.37	PPBV	99
15) CARBON DISULFIDE	6.855	76	847118	8.85	PPBV	99
16) ETHANOL	5.103	45	78663	8.03	PPBV	99
17) BROMOETHENE	5.370	106	271254	9.53	PPBV	99
18) METHYLENE CHLORIDE	6.537	84	246368	7.24	PPBV	98
19) 3-CHLOROPROPENE	6.656	39	271458	9.98	PPBV	98
20) FREON 113	6.800	151	531868	8.59	PPBV	98
21) TRANS-1,2-DICHLOROETHY...	7.467	96	274017	9.49	PPBV	100
22) TERTIARY BUTYL ALCOHOL	6.433	59	507615	11.00	PPBV	99
23) METHYL TERTIARY BUTYL ...	7.707	73	604047	10.32	PPBV	99
24) TETRAHYDROFURAN	9.137	42	207404	8.95	PPBV	98
25) HEXANE	8.667	57	388452	10.07	PPBV	99
26) VINYL ACETATE	7.785	43	482600	9.96	PPBV	98
27) 1,1-DICHLOROETHANE	7.659	63	522839	9.13	PPBV	99
28) METHYL ETHYL KETONE	8.028	43	390999	9.57	PPBV	98
29) cis-1,2-DICHLOROETHYLENE	8.468	96	238273	10.88	PPBV	99
30) ETHYL ACETATE	8.658	43	668024	9.53	PPBV	100
31) CHLOROFORM	8.749	83	672114	9.90	PPBV	99
32) 1,1,1-TRICHLOROETHANE	9.702	97	650717	10.11	PPBV	99
33) CARBON TETRACHLORIDE	10.284	117	801817	10.52	PPBV	99
34) 1,2-DICHLOROETHANE	9.455	62	411258	10.59	PPBV	100
36) BENZENE	10.146	78	735460	10.88	PPBV	99
37) CYCLOHEXANE	10.408	84	340082	10.28	PPBV	97
38) TRICHLOROETHYLENE	11.141	95	379500	10.26	PPBV	99
39) 1,2-DICHLOROPROPANE	10.919	63	246375	9.96	PPBV	98
40) BROMODICHLOROMETHANE	11.100	83	654806	9.67	PPBV	98
41) 2,2,4-TRIMETHYLPENTANE	11.164	57	1213062	8.64	PPBV	99
42) 1,4-DIOXANE	11.131	88	130482	8.59	PPBV	93
43) HEPTANE	11.402	43	446987	9.31	PPBV	99

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\
Data File : Q4586a.D
Acq On : 13 Sep 2007 3:45 pm
Operator : danat
Sample : cc241-10 (M020)
Misc : MS14279,MSQ241,,,,,1
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Sep 14 09:26:07 2007
Quant Method : C:\msdchem\1\METHODS\Q091307T.m
Quant Title : TO15 by GCMS w/DB-1 60 m X .25 mm ID 1.0 um
QLast Update : Thu Sep 13 13:58:21 2007
Response via : Initial Calibration

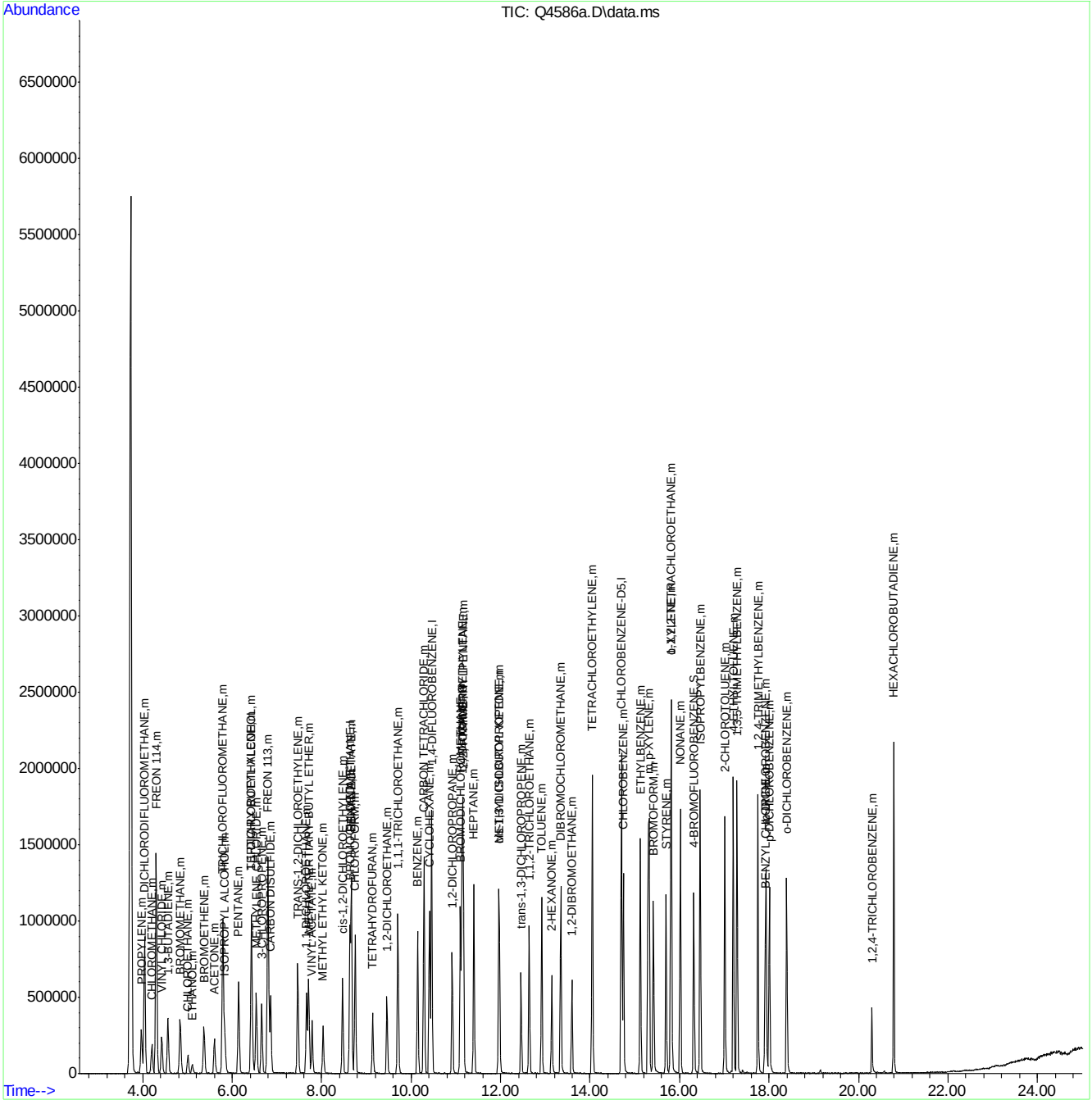
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) METHYL ISOBUTYL KETONE	11.972	43	532512	8.42	PPBV	99
45) cis-1,3-DICHLOROPROPENE	11.956	75	354407	9.18	PPBV	97
46) TOLUENE	12.918	92	431420	8.57	PPBV	100
47) trans-1,3-DICHLOROPROPENE	12.454	75	309719	9.57	PPBV	97
48) 1,1,2-TRICHLOROETHANE	12.639	83	234037	9.11	PPBV	98
50) 2-HEXANONE	13.141	43	412592	8.77	PPBV	98
51) TETRACHLOROETHYLENE	14.048	164	384967	11.07	PPBV	99
52) DIBROMOCHLOROMETHANE	13.344	129	605333	10.24	PPBV	99
53) 1,2-DIBROMOETHANE	13.592	107	382911	9.76	PPBV	100
54) CHLOROBENZENE	14.744	112	631820	9.35	PPBV	100
55) ETHYLBENZENE	15.122	91	1001944	9.32	PPBV	99
56) m,p-XYLENE	15.319	106	760924	19.21	PPBV	96
57) o-XYLENE	15.814	106	401836	9.42	PPBV	98
58) STYRENE	15.699	104	508500	9.40	PPBV	100
59) NONANE	16.015	43	577477	8.87	PPBV	99
60) BROMOFORM	15.415	173	524650	10.37	PPBV	99
62) 1,1,2,2-TETRACHLOROETHANE	15.803	83	633159	9.91	PPBV	99
63) ISOPROPYLBENZENE	16.462	105	1219211	9.32	PPBV	100
64) 2-CHLOROTOLUENE	17.010	91	888450	9.42	PPBV	99
65) 4-ETHYLTOLUENE	17.200	105	1110090	9.04	PPBV	99
66) 1,3,5-TRIMETHYLBENZENE	17.285	105	986531	8.83	PPBV	99
67) 1,2,4-TRIMETHYLBENZENE	17.750	105	918516	9.09	PPBV	100
68) m-DICHLOROBENZENE	17.931	146	460784	8.78	PPBV	100
69) BENZYL CHLORIDE	17.910	91	480155	8.77	PPBV	100
70) p-DICHLOROBENZENE	18.008	146	472159	10.18	PPBV	99
71) o-DICHLOROBENZENE	18.395	146	452986	8.80	PPBV	99
72) HEXACHLOROBUTADIENE	20.789	225	316478	10.20	PPBV	98
73) 1,2,4-TRICHLOROBENZENE	20.299	180	106697	9.82	PPBV	95

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

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\
Data File : Q4586a.D
Acq On : 13 Sep 2007 3:45 pm
Operator : danat
Sample : cc241-10 (M020)
Misc : MS14279,MSQ241,,,,,1
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Sep 14 09:26:07 2007
Quant Method : C:\msdchem\1\METHODS\Q091307T.m
Quant Title : TO15 by GCMS w/DB-1 60 m X .25 mm ID 1.0 um
QLast Update : Thu Sep 13 13:58:21 2007
Response via : Initial Calibration



ACCUTEST Laboratories M67589

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\
Data File : Q4586.D
Acq On : 13 Sep 2007 3:45 pm
Operator : danat
Sample : icv241-10 (M020)
Misc : MS14279,MSQ241,,,,,1
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Sep 13 16:52:47 2007
Quant Method : C:\msdchem\1\METHODS\Q091307T.m
Quant Title : TO15 by GCMS w/DB-1 60 m X .25 mm ID 1.0 um
QLast Update : Thu Sep 13 13:58:21 2007
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) BROMOCHLOROMETHANE	8.628	128	234976	10.00	PPBV	0.00
35) 1,4-DIFLUOROBENZENE	10.458	114	1251450	10.00	PPBV	0.00
49) CHLOROBENZENE-D5	14.698	117	1047038	10.00	PPBV	0.00

System Monitoring Compounds

61) 4-BROMOFLUOROBENZENE	16.318	95	388272	5.54	PPBV	0.00

Spiked Amount 5.000 Range 57 - 139 Recovery = 110.80%

Target Compounds						Qvalue
2) DICHLORODIFLUOROMETHANE	4.039	85	1082704	9.83	PPBV	100
3) PROPYLENE	3.966	41	207225	10.97	PPBV	93
4) FREON 114	4.299	85	1024373	9.45	PPBV	98
5) CHLOROMETHANE	4.205	50	272208	9.70	PPBV	99
6) VINYL CHLORIDE	4.425	62	317689	10.18	PPBV	99
7) 1,3-BUTADIENE	4.559	39	229333	10.39	PPBV	100
8) BROMOMETHANE	4.834	94	308061	9.09	PPBV	100
9) CHLOROETHANE	5.006	64	124068	9.46	PPBV	98
10) TRICHLOROFLUOROMETHANE	5.788	101	1001542	9.61	PPBV	100
11) ISOPROPYL ALCOHOL	5.829	45	360794	9.05	PPBV	97
12) ACETONE	5.599	43	332227	8.03	PPBV	99
13) PENTANE	6.145	42	274470	8.37	PPBV	99
14) 1,1-DICHLOROETHYLENE	6.424	96	277344	9.37	PPBV	99
15) CARBON DISULFIDE	6.855	76	847118	8.85	PPBV	99
16) ETHANOL	5.103	45	78663	8.03	PPBV	99
17) BROMOETHENE	5.370	106	271254	9.53	PPBV	99
18) METHYLENE CHLORIDE	6.537	84	246368	7.24	PPBV	98
19) 3-CHLOROPROPENE	6.656	39	271458	9.98	PPBV	98
20) FREON 113	6.800	151	531868	8.59	PPBV	98
21) TRANS-1,2-DICHLOROETHY...	7.467	96	274017	9.49	PPBV	100
22) TERTIARY BUTYL ALCOHOL	6.433	59	507615	11.00	PPBV	99
23) METHYL TERTIARY BUTYL ...	7.707	73	604047	10.32	PPBV	99
24) TETRAHYDROFURAN	9.137	42	207404	8.95	PPBV	98
25) HEXANE	8.667	57	388452	10.07	PPBV	99
26) VINYL ACETATE	7.785	43	482600	9.96	PPBV	98
27) 1,1-DICHLOROETHANE	7.659	63	522839	9.13	PPBV	99
28) METHYL ETHYL KETONE	8.028	43	390999	9.57	PPBV	98
29) cis-1,2-DICHLOROETHYLENE	8.468	96	238273	10.88	PPBV	99
30) ETHYL ACETATE	8.658	43	668024	9.53	PPBV	100
31) CHLOROFORM	8.749	83	672114	9.90	PPBV	99
32) 1,1,1-TRICHLOROETHANE	9.702	97	650717	10.11	PPBV	99
33) CARBON TETRACHLORIDE	10.284	117	801817	10.52	PPBV	99
34) 1,2-DICHLOROETHANE	9.455	62	411258	10.59	PPBV	100
36) BENZENE	10.146	78	735460	10.88	PPBV	99
37) CYCLOHEXANE	10.408	84	340082	10.28	PPBV	97
38) TRICHLOROETHYLENE	11.141	95	379500	10.26	PPBV	99
39) 1,2-DICHLOROPROPANE	10.919	63	246375	9.96	PPBV	98
40) BROMODICHLOROMETHANE	11.100	83	654806	9.67	PPBV	98
41) 2,2,4-TRIMETHYLPENTANE	11.164	57	1213062	8.64	PPBV	99
42) 1,4-DIOXANE	11.131	88	130482	8.59	PPBV	93
43) HEPTANE	11.402	43	446987	9.31	PPBV	99

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\
Data File : Q4586.D
Acq On : 13 Sep 2007 3:45 pm
Operator : danat
Sample : icv241-10 (M020)
Misc : MS14279,MSQ241,,,,,1
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Sep 13 16:52:47 2007
Quant Method : C:\msdchem\1\METHODS\Q091307T.m
Quant Title : TO15 by GCMS w/DB-1 60 m X .25 mm ID 1.0 um
QLast Update : Thu Sep 13 13:58:21 2007
Response via : Initial Calibration

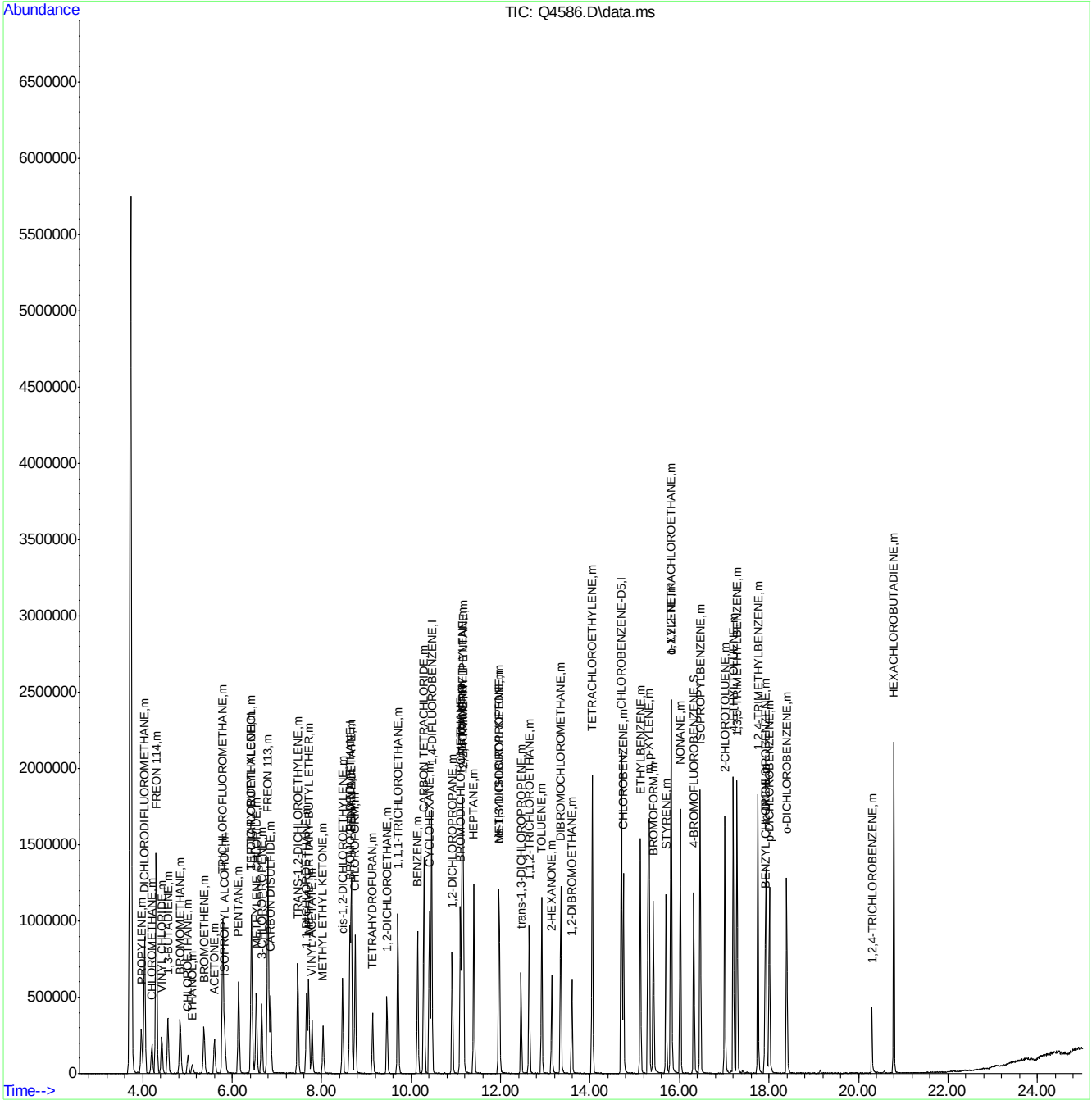
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) METHYL ISOBUTYL KETONE	11.972	43	532512	8.42	PPBV	99
45) cis-1,3-DICHLOROPROPENE	11.956	75	354407	9.18	PPBV	97
46) TOLUENE	12.918	92	431420	8.57	PPBV	100
47) trans-1,3-DICHLOROPROPENE	12.454	75	309719	9.57	PPBV	97
48) 1,1,2-TRICHLOROETHANE	12.639	83	234037	9.11	PPBV	98
50) 2-HEXANONE	13.141	43	412592	8.77	PPBV	98
51) TETRACHLOROETHYLENE	14.048	164	384967	11.07	PPBV	99
52) DIBROMOCHLOROMETHANE	13.344	129	605333	10.24	PPBV	99
53) 1,2-DIBROMOETHANE	13.592	107	382911	9.76	PPBV	100
54) CHLOROBENZENE	14.744	112	631820	9.35	PPBV	100
55) ETHYLBENZENE	15.122	91	1001944	9.32	PPBV	99
56) m,p-XYLENE	15.319	106	760924	19.21	PPBV	96
57) o-XYLENE	15.814	106	401836	9.42	PPBV	98
58) STYRENE	15.699	104	508500	9.40	PPBV	100
59) NONANE	16.015	43	577477	8.87	PPBV	99
60) BROMOFORM	15.415	173	524650	10.37	PPBV	99
62) 1,1,2,2-TETRACHLOROETHANE	15.803	83	633159	9.91	PPBV	99
63) ISOPROPYLBENZENE	16.462	105	1219211	9.32	PPBV	100
64) 2-CHLOROTOLUENE	17.010	91	888450	9.42	PPBV	99
65) 4-ETHYLTOLUENE	17.200	105	1110090	9.04	PPBV	99
66) 1,3,5-TRIMETHYLBENZENE	17.285	105	986531	8.83	PPBV	99
67) 1,2,4-TRIMETHYLBENZENE	17.750	105	918516	9.09	PPBV	100
68) m-DICHLOROBENZENE	17.931	146	460784	8.78	PPBV	100
69) BENZYL CHLORIDE	17.910	91	480155	8.77	PPBV	100
70) p-DICHLOROBENZENE	18.008	146	472159	10.18	PPBV	99
71) o-DICHLOROBENZENE	18.395	146	452986	8.80	PPBV	99
72) HEXACHLOROBUTADIENE	20.789	225	316478	10.20	PPBV	98
73) 1,2,4-TRICHLOROBENZENE	20.299	180	106697	9.82	PPBV	95

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

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\
Data File : Q4586.D
Acq On : 13 Sep 2007 3:45 pm
Operator : danat
Sample : icv241-10 (M020)
Misc : MS14279,MSQ241,,,,,1
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Sep 13 16:52:47 2007
Quant Method : C:\msdchem\1\METHODS\Q091307T.m
Quant Title : TO15 by GCMS w/DB-1 60 m X .25 mm ID 1.0 um
QLast Update : Thu Sep 13 13:58:21 2007
Response via : Initial Calibration



ACCUTEST Laboratories M67589

Standard Lot #	
Calib STD 1	MSA385
Calib STD 2	MSA386
ICV	MSA384
Inter/Surr STD	AS2265
BS/BSD	MSA384

File ID	
Tune File 1	Q4334
Tune File 2	Q4342A
Initial Cal.	8/20/07
ID FILE	Q082007T.M
Instrument ID	Q
ICAL:	Q4342
Column Type:	RTX-1
Sequence Verified By:	DT 8/21/07

Date:	8/20/2007
Analyst:	DANAT
Batch ID:	MSQ230
Matrix:	AIR
Approved By:	PHILIPB
Date Approved:	8/29/2007 4:23:46 PM

Data File	Sample ID	Bot #	Work Group #	Test	ALS #	Sample Vol (mls)	Diln Factor	Flow controller ID	Comment
Q4334	IC230-0.5	M065	MSA386	VTO15	1		1		
Q4335	IC230-0.2	M065	MSA386	VTO15	1		1		
Q4336	IC230-40	M090	MSA385	VTO15	2		1		
Q4337	IC230-20	M090	MSA385	VTO15	2		1		Internal stds. Fail , Re-run.
Q4338	ICC230-10	M090	MSA385	VTO15	2		1		
Q4339	IC230-5	M090	MSA385	VTO15	2		1		
Q4340	IC230-2	M090	MSA385	VTO15	2		1		
Q4341	IC230-20	m090	MSA385	VTO15	2		1		
Q4342	ICV230-10	m164	MSA384	VTO15	3		1		
Q4342a	CC230-10	m164	MSA384	VTO15	3		1		
Q4342b	BS	m164	MSA384	VTO15	3		1		
Q4343	BLANK	m059		VTO15	4		1		
Q4344	SCC	m059		VTO15	4		1		
Q4345	SCC	m134		VTO15	5		1		
Q4346	SCC	m015		VTO15	6		1		
Q4347	SCC	m122		VTO15	7		1		
Q4348	SCC	m094		VTO15	8		1		
Q4349	SCC	m009		VTO15	9		1		
Q4350	SCC	m033		VTO15	10		1		
Q4351	SCC	m100		VTO15	11		1		
Q4352	SCC	m069		VTO15	12		1		
Q4353	SCC	m144		VTO15	13		1		
Q4354	SCC	m113		VTO15	14		1		
Q4355	SCC	m141		VTO15	15		1		
Q4356	SCC	m162		VTO15	16		1		
Q4357	SCC	m060		VTO15	4		1		
Q4358	SCC	m073		VTO15	5		1		
Q4359	SCC	m075		VTO15	6		1		
Q4360	SCC	m092		VTO15	7		1		
Q4361	FCB107	m201		VTO15	8		1		
Q4362	FCB108	m206		VTO15	9		1		
Q4363	FCB109	m177		VTO15	10		1		
Q4364	FCB110	m183		VTO15	11		1		
Q4365	SCC	m196		VTO15	12		1		Fails , re-clean batch.

Q4366	SCC	m040		VTO15	4		1		
Q4367	BLANK	m040		VTO15	4		1		

Accutest Laboratories of New England, Inc.

MS Analysis Log

Instrument: GCMS Q

BATCH DATA	
DATE	9/13/07
BATCH ID	MSQ241
ANALYST	DT

ALS DATA	
METHOD	TO15
NAMELIST	
QC FILE	

GC/MS DATA	
METHOD	Q091307T.M
SEQ	Q091307
ICAL ICV	Q4586

STANDARD DATA		
LOT#	DESCRIPTION	CONC
MSA390	Int/Surr	40/20 ppbv
MSA399	TO15 Std	40 ppbv
MSA400	TO15 Std	2 ppbv
MSA402	TO15 LCS	40 ppbv
MSA404	TO15 LCS	40 ppbv

Sequence Verified: DT 9/14/07

DATA FILE	SAMPLE ID	CANISTER SERIAL #	TEST	WORK GROUP	ALS	VOL SAMPLE	DIL FACT.	COMMENTS
Q4577	IC241-05	M174	TO15	MSA400	1	100		
Q4578	IC241-0.2	M174		MSA400	1	40		
Q4579	IC241-40	M112		MSA399	2	400		
Q4580	IC241-20	M112		MSA399	2	200		
Q4581	IC241-10	M112		MSA399	2	100		
Q4582	IC241-5	M112		MSA399	2	50		
Q4583	IC241-2	M112		MSA399	2	20		
Q4584	ICV241-10	M133		MSA402	3	100		fails high for several compounds re-run using new standard
Q4585	ICV241-10	M020		MSA404	3	100		still fails high, retune mass spec and re-run
Q4586	ICV241-10	M020		MSA404	3	100		
Q4587	BCC241-10	M020		MSA404	3	100		time 365
Q4588	133	M020		MSA404	3	100		
Q4588A	blank	M197			4	400		
Q4588	MB	M197			4	400		
Q4588A	SCC(CA471)	M197			4	400		
Q4589	M67590-1	M034	GEI test	MS14279	5	400	1	
Q4590	M67590-2	M022			6	400	1	
Q4591	M67590-3	M087			7	400	1	Int ↓ high CO2 – RE
Q4592	dup	M081			7	400	1	Int ↓ high CO2
Q4593	M67590-4	M074			8	400	1	Int ↓
Q4594	M67590-5	M094			9	400	1	Int ↓
Q4595	M67590-6	M102			10	400	1	Int ↓
Q4596	M67590-7	M155			11	400	1	Int ↓
Q4597	M67588-1	M159			12	400	1	Int ↓
Q4598	M67588-2	M208			13	400	1	Int ↓
Q4599	M67589-1	M077			14	400	1	
Q4600	M67589-2	M033			15	400	1	
Q4601	M67591-1	M216			16	400	1	
Q4602	M67591-2	M125			17	400	1	
Q4603	M67591-2dup	M125			1	400	1	

continue on page 13

QA Review: [illegible] 9/18/07

ACCUTEST Laboratories M67589

Accutest Laboratories of New England, Inc.

MS Analysis Log

Instrument: GCMS Q

BATCH DATA	
DATE	9/14/07
BATCH ID	MSQ241
ANALYST	DT

ALS DATA	
METHOD	7015
NAMELIST	
QC FILE	

GC/MS DATA	
METHOD	Q091307.m
SEQ	Q091307.s
ICAL	Q4586

STANDARD DATA		
LOT#	DESCRIPTION	CONC
MSA390	Int/Surr	40/20 ppb

Sequence Verified: DT 9/14/07

DATA FILE	SAMPLE ID	CANISTER SERIAL #	TEST	WORK GROUP	ALS	VOL SAMPLE	DIL FACT.	COMMENTS
Q4604	M67590-3	M081	7015 GEZ list	MS14219	7	400	1	
Q4605	M67590-4	M074			8	400	1	
Q4606	M67590-5	M094			9	400	1	
Q4607	M67590-6	M102			10	400	1	
Q4608	M67590-7	M155			11	400	1	
Q4609	M67588-1	M159			12	400	1	
Q4610	M67588-2	M208			13	400	1	
Q4611	FCB 118	M194			1	400	1	
Q4612	FCB 119	M192			2	400	1	

DT 9/14/07

QA Review: 9/18/07

MS004.02 (2/7/06)

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