New England ACCUTEST Laboratories

IT'S ALL IN THE CHEMISTRY

09/04/07

Technical Report for

GEI Consultants, Inc.

GEI Tufts Street Somerville MA

045162

Accutest Job Number: M67318

Sampling Date: 08/28/07

Report to:

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

ATTN: Raymond Siegener, Ph.D.

Total number of pages in report: **355**

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

This report shall not be reproduced, except in its entirety, without the written approval of Accutest Laboratories.
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: M67318-1: 045162-SG-120S 6
3.2: M67318-2: 045162-SG-119S 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 17
5.3: Duplicate Summary 20
5.4: Summa Cleaning Certification 22
5.5: Instrument Performance Checks (BFB) 24
5.6: Internal Standard Area Summaries 30
5.7: Initial Calibration RT/ISTD Area Summaries 34
5.8: Surrogate Recovery Summaries 76
5.9: Initial and Continuing Calibration Summaries 77
Section 6: GC/MS Volatiles - Raw Data **108**
6.1: Samples 109
6.2: Method Blanks 125
6.3: Blank Spikes 131
6.4: Duplicates 142
6.5: Summa Cleaning Certifications 181
6.6: Instrument Performance Checks (BFB) 186
6.7: Initial and Continuing Calibarations 212
6.8: Instrument Run Logs 351

Accutest Laboratories

Sample Summary

GEI Consultants, Inc.

Job No: M67318

GEI Tufts Street Somerville MA
Project No: 045162

Sample Number	Collected Date	Time	By	Received	Matrix Code	Type	Client Sample ID
M67318-1	08/28/07	10:11	HAB	08/28/07	AIR	Air	045162-SG-120S
M67318-2	08/28/07	10:56	HAB	08/28/07	AIR	Air	045162-SG-119S

SAMPLE DELIVERY GROUP CASE NARRATIVE

Client:	GEI Consultants, Inc.	**Job No**	M67318
Site:	GEI Tufts Street Somerville MA	**Report Date**	9/4/2007 10:52:41 AM

2 Sample(s) were collected on 08/28/2007 and were received at Accutest on 08/28/2007. These Samples received an Accutest job number of M67318. 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:** MSQ233

- All samples were analyzed within the recommended method holding time.
- All method blanks for this batch meet method specific criteria.
- Sample(s) M67317-1DUP were used as the QC samples indicated.

Matrix AIR **Batch ID:** MSQ234

- All samples were analyzed within the recommended method holding time.
- All method blanks for this batch meet method specific criteria.
- Sample(s) M67317-4DUP were used as the QC samples indicated.

The Accutest Laboratories of New England certifies that all analysis were performed within method specification. It is further recommended that this report to be used in its entirety.The Accutest Laboratories of NE, Laboratory Director or assignee as verified by the signature on the cover page has authorized the release of this report(M67318).

Sample Results

Report of Analysis

Accutest Laboratories

Report of Analysis

Client Sample ID:	045162-SG-120S		
Lab Sample ID:	M67318-1	**Date Sampled:**	08/28/07
Matrix:	AIR - Air Summa ID: M162	**Date Received:**	08/28/07
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	Q4429.D	1	08/29/07	DFT	n/a	n/a	MSQ233
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	0.22	0.20	ppbv		0.58	0.53	ug/m3
56-23-5	153.8	Carbon tetrachloride	0.098	0.20	ppbv	J	0.62	1.3	ug/m3
75-34-3	98.96	1,1-Dichloroethane	12.8	0.20	ppbv		51.8	0.81	ug/m3
75-35-4	96.94	1,1-Dichloroethylene	0.29	0.20	ppbv		1.1	0.79	ug/m3
107-06-2	98.96	1,2-Dichloroethane	0.20	0.20	ppbv		0.81	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	0.10	0.20	ppbv	J	0.55	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	2.7	0.20	ppbv		18	1.4	ug/m3
79-01-6	131.4	Trichloroethylene	0.90	0.20	ppbv		4.8	1.1	ug/m3
75-01-4	62.5	Vinyl chloride	0.20	0.20	ppbv		0.51	0.51	ug/m3

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
460-00-4	4-Bromofluorobenzene	96%		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-SG-119S		
Lab Sample ID:	M67318-2	**Date Sampled:**	08/28/07
Matrix:	AIR - Air Summa ID: M075	**Date Received:**	08/28/07
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	Q4460.D	1	08/31/07	DFT	n/a	n/a	MSQ234
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	0.62	0.20	ppbv		1.6	0.53	ug/m3
56-23-5	153.8	Carbon tetrachloride	ND	0.20	ppbv		ND	1.3	ug/m3
75-34-3	98.96	1,1-Dichloroethane	ND	0.20	ppbv		ND	0.81	ug/m3
75-35-4	96.94	1,1-Dichloroethylene	ND	0.20	ppbv		ND	0.79	ug/m3
107-06-2	98.96	1,2-Dichloroethane	0.21	0.20	ppbv		0.85	0.81	ug/m3
156-60-5	96.94	trans-1,2-Dichloroethylene	ND	0.20	ppbv		ND	0.79	ug/m3
156-59-2	96.94	cis-1,2-Dichloroethylene	ND	0.20	ppbv		ND	0.79	ug/m3
71-55-6	133.4	1,1,1-Trichloroethane	ND	0.20	ppbv		ND	1.1	ug/m3
79-34-5	167.9	1,1,2,2-Tetrachloroethane	ND	0.20	ppbv		ND	1.4	ug/m3
79-00-5	133.4	1,1,2-Trichloroethane	ND	0.20	ppbv		ND	1.1	ug/m3
127-18-4	165.8	Tetrachloroethylene	1.7	0.20	ppbv		12	1.4	ug/m3
79-01-6	131.4	Trichloroethylene	0.23	0.20	ppbv		1.2	1.1	ug/m3
75-01-4	62.5	Vinyl chloride	0.47	0.20	ppbv		1.2	0.51	ug/m3

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
460-00-4	4-Bromofluorobenzene	85%		57-139%

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

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

Misc. Forms

Custody Documents and Other Forms

Includes the following where applicable:

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

ACCUTEST Laboratories

CHAIN OF CUSTODY

Air Sampling Field Data Sheet

FED-EX Tracking #:
Lab Quote #:
Bottle Order Control #:
Lab Job #: M67318

PAGE 1 OF 1

Client / Reporting Information

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

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

Weather Parameters

Temperature (Fahrenheit)
Start: 68 Maximum: 73
Stop: 73 Minimum: 68

Atmospheric Pressure (inches of Hg)
Start: 30.20 Maximum: 30.21
Stop: 30.21 Minimum: 30.20

Other weather comment: Calm, sunny.

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 TO-15	MA DEP APH
-1	045162-SG-120S	SV	M162	6	MC102	8/28/07	0911	29.5	—	HAB	8/28/07	1011	4	—	HAB	X	
-2	045162-SG-119S	SV	M075	6	MC055	8/28/07	0922	30	—	HAB	8/28/07	1056	4	—	HAB	X	

Turnaround Time (Business days)

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

Approved By:

RUSH

Data Deliverable Information

Comm A
Comm B
Full T1 X
Other:

Comments / Remarks

Please see attached list of analytes.
Please use MEP presumptive certainty and CAM methods.

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 J Ballantyne	8/28/07 1200	1 GEI Laboratory	2 GEI Laboratory	8/28/07 12:30	2 Francisco Trejo
Relinquished By: 3 Francisco Trejo	Date Time: 8/28/07 3:08 pm	Received By: 3 Ryn Takechim	Relinquished By: 4	Date Time:	Received By: 4
Relinquished by: 5	Date Time:	Received By: 5	Custody Seal #		

SM013-01 (2/14/06)

4.1 4

M67318: Chain of Custody
Page 1 of 2

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: M67318
Account: GEI GEI Consultants, Inc.
Project: GEI Tufts Street Somerville MA
Received: 08/28/07

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
M162	6	29.4	08/21/07	DFT	CP460	Q4360.D	M67318-1	08/28/07	DFT	2.6			1
M075	6	29.4	08/21/07	DFT	CP460	Q4360.D	M67318-2	08/28/07	DFT	5			1

FLOW CONTROLLERS

Shipping					Receiving		
Flow Crtl ID	Date Out	By	cc/ min	Time hrs.	Date In	By	cc/ min
MC055	07/12/07	DFT	80	1	08/28/07	DFT	82
MC102	07/12/07	DFT	80	1	08/28/07	DFT	78.3

Accutest Bottle Order(s):
DT/GEI/8-21-07/TUFTS ST
GEI/7-12-07/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: M67318

GEI Tufts Street Somerville MA
Project No: 045162

Sample Number	Method	Analyzed	By	Prepped	By	Test Codes
M67318-1	Collected: 28-AUG-07 10:11 By: HAB		Received: 28-AUG-07 By: RS			
045162-SG-120S						
M67318-1	TO-15	29-AUG-07 15:12	DFT			VTO15STD
M67318-2	Collected: 28-AUG-07 10:56 By: HAB		Received: 28-AUG-07 By: RS			
045162-SG-119S						
M67318-2	TO-15	31-AUG-07 13:02	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: M67318
Account: GEI GEI Consultants, Inc.
Project: GEI Tufts Street Somerville MA

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
MSQ233-MB	Q4418.D	1	08/28/07	DFT	n/a	n/a	MSQ233

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

M67318-1

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

CAS No.	Surrogate Recoveries		Limits
460-00-4	4-Bromofluorobenzene	79%	57-139%

Method Blank Summary

Job Number: M67318
Account: GEI GEI Consultants, Inc.
Project: GEI Tufts Street Somerville MA

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
MSQ234-MB	Q4457.D	1	08/31/07	DFT	n/a	n/a	MSQ234

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

M67318-2

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	74%	57-139%

Method Blank Summary

Job Number: M67318
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: M67318
Account: GEI GEI Consultants, Inc.
Project: GEI Tufts Street Somerville MA

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
MSQ233-BS	Q4416A.D	1	08/28/07	DFT	n/a	n/a	MSQ233

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

M67318-1

CAS No.	Compound	Spike ppbv	BSP ppbv	BSP %	Limits
75-00-3	Chloroethane	10	11.3	113	70-130
56-23-5	Carbon tetrachloride	10	11.1	111	70-130
75-34-3	1,1-Dichloroethane	10	11.7	117	70-130
75-35-4	1,1-Dichloroethylene	10	10.2	102	70-130
107-06-2	1,2-Dichloroethane	10	11.6	116	70-130
156-60-5	trans-1,2-Dichloroethylene	10	10.9	109	70-130
156-59-2	cis-1,2-Dichloroethylene	10	11.4	114	70-130
71-55-6	1,1,1-Trichloroethane	10	11.2	112	70-130
79-34-5	1,1,2,2-Tetrachloroethane	10	12.1	121	70-130
79-00-5	1,1,2-Trichloroethane	10	11.5	115	70-130
127-18-4	Tetrachloroethylene	10	10.9	109	70-130
79-01-6	Trichloroethylene	10	11.5	115	70-130
75-01-4	Vinyl chloride	10	10.3	103	70-130

CAS No.	Surrogate Recoveries	BSP	Limits
460-00-4	4-Bromofluorobenzene	106%	57-139%

Blank Spike Summary

Job Number: M67318
Account: GEI GEI Consultants, Inc.
Project: GEI Tufts Street Somerville MA

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
MSQ234-BS	Q4455B.D	1	08/31/07	DFT	n/a	n/a	MSQ234

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

M67318-2

CAS No.	Compound	Spike ppbv	BSP ppbv	BSP %	Limits
75-00-3	Chloroethane	10	9.4	94	70-130
56-23-5	Carbon tetrachloride	10	9.3	93	70-130
75-34-3	1,1-Dichloroethane	10	9.3	93	70-130
75-35-4	1,1-Dichloroethylene	10	8.6	86	70-130
107-06-2	1,2-Dichloroethane	10	9.5	95	70-130
156-60-5	trans-1,2-Dichloroethylene	10	8.7	87	70-130
156-59-2	cis-1,2-Dichloroethylene	10	10.2	102	70-130
71-55-6	1,1,1-Trichloroethane	10	9.4	94	70-130
79-34-5	1,1,2,2-Tetrachloroethane	10	11.2	112	70-130
79-00-5	1,1,2-Trichloroethane	10	10.2	102	70-130
127-18-4	Tetrachloroethylene	10	10.6	106	70-130
79-01-6	Trichloroethylene	10	10.9	109	70-130
75-01-4	Vinyl chloride	10	8.6	86	70-130

CAS No.	Surrogate Recoveries	BSP	Limits
460-00-4	4-Bromofluorobenzene	101%	57-139%

Blank Spike Summary

Job Number: M67318
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: M67318
Account: GEI GEI Consultants, Inc.
Project: GEI Tufts Street Somerville MA

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
M67317-1DUP	Q4420.D	1	08/29/07	DFT	n/a	n/a	MSQ233
M67317-1	Q4419.D	1	08/28/07	DFT	n/a	n/a	MSQ233

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

M67318-1

CAS No.	Compound	M67317-1 ppbv	Q	DUP ppbv	Q	RPD	Limits
75-00-3	Chloroethane	ND		ND		nc	25
56-23-5	Carbon tetrachloride	0.11	J	0.11	J	0	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	0.73		0.71		3	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	6.6		6.3		5	25
79-01-6	Trichloroethylene	0.53		0.55		4	25
75-01-4	Vinyl chloride	ND		ND		nc	25

CAS No.	Surrogate Recoveries	DUP	M67317-1	Limits
460-00-4	4-Bromofluorobenzene	96%	91%	57-139%

Duplicate Summary

Job Number: M67318
Account: GEI GEI Consultants, Inc.
Project: GEI Tufts Street Somerville MA

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
M67317-4DUP	Q4459.D	1	08/31/07	DFT	n/a	n/a	MSQ234
M67317-4	Q4458.D	1	08/31/07	DFT	n/a	n/a	MSQ234

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

M67318-2

CAS No.	Compound	M67317-4 ppbv	Q	DUP ppbv	Q	RPD	Limits
75-00-3	Chloroethane	ND		ND		nc	25
56-23-5	Carbon tetrachloride	0.093	J	0.095	J	2	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	0.67		0.68		1	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	10.2		8.4		19	25
79-01-6	Trichloroethylene	0.63		0.52		19	25
75-01-4	Vinyl chloride	ND		ND		nc	25

CAS No.	Surrogate Recoveries	DUP	M67317-4	Limits
460-00-4	4-Bromofluorobenzene	83%	82%	57-139%

Summa Cleaning Certification

Job Number: M67318
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	Q4356.D	1	08/21/07	DFT	n/a	n/a	MSQ230

The QC reported here (Summa M162) applies to the following samples: **Method:** TO-15

Batch CP460 cleaned 08/15/07: M67318-1(M162)

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	59%	57-139%

Summa Cleaning Certification

Job Number: M67318
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	Q4359.D	1	08/21/07	DFT	n/a	n/a	MSQ230

The QC reported here (Summa M075) applies to the following samples: **Method:** TO-15

Batch CP460 cleaned 08/15/07: M67318-2(M075)

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	68%	57-139%

Instrument Performance Check (BFB)

Job Number: M67318
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: M67318
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: M67318
Account: GEI GEI Consultants, Inc.
Project: GEI Tufts Street Somerville MA

Sample: MSQ232-BFB
Lab File ID: Q4396.D
Instrument ID: GCMSQ
Injection Date: 08/27/07
Injection Time: 09:34

m/e	Ion Abundance Criteria	Raw Abundance	% Relative Abundance		Pass/Fail
50	8.0 - 40.0% of mass 95	15696	18.2		Pass
75	30.0 - 66.0% of mass 95	41835	48.4		Pass
95	Base peak, 100% relative abundance	86401	100.0		Pass
96	5.0 - 9.0% of mass 95	5592	6.5		Pass
173	Less than 2.0% of mass 174	110	0.13	(0.15) [a]	Pass
174	50.0 - 120.0% of mass 95	75170	87.0		Pass
175	4.0 - 9.0% of mass 174	5613	6.5	(7.5) [a]	Pass
176	93.0 - 101.0% of mass 174	74010	85.7	(98.5) [a]	Pass
177	5.0 - 9.0% of mass 176	4898	5.7	(6.6) [b]	Pass

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

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

Lab Sample ID	Lab File ID	Date Analyzed	Time Analyzed	Hours Lapsed	Client Sample ID
MSQ232-IC232	Q4396.D	08/27/07	09:34	00:00	Initial cal 0.5
MSQ232-IC232	Q4397.D	08/27/07	10:21	00:47	Initial cal 0.2
MSQ232-IC232	Q4398.D	08/27/07	11:04	01:30	Initial cal 40
MSQ232-ICC232	Q4400.D	08/27/07	12:26	02:52	Initial cal 10
MSQ232-IC232	Q4401.D	08/27/07	13:07	03:33	Initial cal 5
MSQ232-IC232	Q4402.D	08/27/07	13:48	04:14	Initial cal 2
MSQ232-IC232	Q4403.D	08/27/07	14:37	05:03	Initial cal 20

Instrument Performance Check (BFB)

Job Number: M67318
Account: GEI GEI Consultants, Inc.
Project: GEI Tufts Street Somerville MA

Sample: MSQ233-BFB
Lab File ID: Q4416.D
Instrument ID: GCMSQ
Injection Date: 08/28/07
Injection Time: 16:05

m/e	Ion Abundance Criteria	Raw Abundance	% Relative Abundance		Pass/Fail
50	8.0 - 40.0% of mass 95	23214	19.6		Pass
75	30.0 - 66.0% of mass 95	57232	48.2		Pass
95	Base peak, 100% relative abundance	118737	100.0		Pass
96	5.0 - 9.0% of mass 95	7888	6.6		Pass
173	Less than 2.0% of mass 174	697	0.59	(0.66) [a]	Pass
174	50.0 - 120.0% of mass 95	104818	88.3		Pass
175	4.0 - 9.0% of mass 174	6995	5.9	(6.7) [a]	Pass
176	93.0 - 101.0% of mass 174	97852	82.4	(93.4) [a]	Pass
177	5.0 - 9.0% of mass 176	6227	5.2	(6.4) [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
MSQ233-CC232	Q4416.D	08/28/07	16:05	00:00	Continuing cal 10
MSQ233-BS	Q4416A.D	08/28/07	16:05	00:00	Blank Spike
MSQ233-MB	Q4418.D	08/28/07	17:30	01:25	Method Blank
M67317-1	Q4419.D	08/28/07	18:17	02:12	(used for QC only; not part of job M67318)
M67317-1DUP	Q4420.D	08/29/07	08:53	16:48	Duplicate
ZZZZZZ	Q4421.D	08/29/07	09:35	17:30	(unrelated sample)
ZZZZZZ	Q4422.D	08/29/07	10:16	18:11	(unrelated sample)
ZZZZZZ	Q4424.D	08/29/07	11:42	19:37	(unrelated sample)
ZZZZZZ	Q4425.D	08/29/07	12:24	20:19	(unrelated sample)
ZZZZZZ	Q4426.D	08/29/07	13:06	21:01	(unrelated sample)
ZZZZZZ	Q4427.D	08/29/07	13:48	21:43	(unrelated sample)
ZZZZZZ	Q4428.D	08/29/07	14:30	22:25	(unrelated sample)
M67318-1	Q4429.D	08/29/07	15:12	23:07	045162-SG-120S

Instrument Performance Check (BFB)

Job Number: M67318
Account: GEI GEI Consultants, Inc.
Project: GEI Tufts Street Somerville MA

Sample: MSQ234-BFB
Lab File ID: Q4448.D
Instrument ID: GCMSQ
Injection Date: 08/30/07
Injection Time: 17:41

m/e	Ion Abundance Criteria	Raw Abundance	% Relative Abundance		Pass/Fail
50	8.0 - 40.0% of mass 95	25445	19.7		Pass
75	30.0 - 66.0% of mass 95	60029	46.4		Pass
95	Base peak, 100% relative abundance	129392	100.0		Pass
96	5.0 - 9.0% of mass 95	8726	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	104885	81.1		Pass
175	4.0 - 9.0% of mass 174	7281	5.6	(6.9) [a]	Pass
176	93.0 - 101.0% of mass 174	102488	79.2	(97.7) [a]	Pass
177	5.0 - 9.0% of mass 176	6773	5.2	(6.6) [b]	Pass

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

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

Lab Sample ID	Lab File ID	Date Analyzed	Time Analyzed	Hours Lapsed	Client Sample ID
MSQ234-IC234	Q4448.D	08/30/07	17:41	00:00	Initial cal 0.5
MSQ234-IC234	Q4449.D	08/30/07	18:25	00:44	Initial cal 0.2
MSQ234-IC234	Q4450.D	08/30/07	19:08	01:27	Initial cal 40
MSQ234-IC234	Q4451.D	08/30/07	19:51	02:10	Initial cal 20
MSQ234-ICC234	Q4452.D	08/30/07	20:35	02:54	Initial cal 10
MSQ234-IC234	Q4453.D	08/30/07	21:18	03:37	Initial cal 5
MSQ234-IC234	Q4454.D	08/30/07	22:01	04:20	Initial cal 2
MSQ234-ICV234	Q4455.D	08/31/07	09:16	15:35	Initial cal verification 10

Instrument Performance Check (BFB)

Job Number: M67318
Account: GEI GEI Consultants, Inc.
Project: GEI Tufts Street Somerville MA

Sample: MSQ234-BFB
Lab File ID: Q4455A.D
Instrument ID: GCMSQ
Injection Date: 08/31/07
Injection Time: 09:16

m/e	Ion Abundance Criteria	Raw Abundance	% Relative Abundance		Pass/Fail
50	8.0 - 40.0% of mass 95	38348	19.6		Pass
75	30.0 - 66.0% of mass 95	92728	47.4		Pass
95	Base peak, 100% relative abundance	195832	100.0		Pass
96	5.0 - 9.0% of mass 95	13153	6.7		Pass
173	Less than 2.0% of mass 174	221	0.11	(0.14) [a]	Pass
174	50.0 - 120.0% of mass 95	161144	82.3		Pass
175	4.0 - 9.0% of mass 174	12023	6.1	(7.5) [a]	Pass
176	93.0 - 101.0% of mass 174	153672	78.5	(95.4) [a]	Pass
177	5.0 - 9.0% of mass 176	9713	5.0	(6.3) [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
MSQ234-CC234	Q4455A.D	08/31/07	09:16	00:00	Continuing cal 10
MSQ234-BS	Q4455B.D	08/31/07	09:16	00:00	Blank Spike
MSQ234-MB	Q4457.D	08/31/07	10:49	01:33	Method Blank
MSQ234-SCC	Q4457A.D	08/31/07	10:49	01:33	Summa Cleaning Certification
M67317-4	Q4458.D	08/31/07	11:36	02:20	(used for QC only; not part of job M67318)
M67317-4DUP	Q4459.D	08/31/07	12:19	03:03	Duplicate
M67318-2	Q4460.D	08/31/07	13:02	03:46	045162-SG-119S

Volatile Internal Standard Area Summary

Job Number: M67318
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: M67318
Account: GEI GEI Consultants, Inc.
Project: GEI Tufts Street Somerville MA

Check Std:	MSQ232-CC232	**Injection Date:**	08/27/07
Lab File ID:	Q4404A.D	**Injection Time:**	15:23
Instrument ID:	GCMSQ	**Method:**	TO-15

	IS 1 AREA	RT	IS 2 AREA	RT	IS 3 AREA	RT
Check Std	324351	8.63	1526640	10.45	987264	14.70
Upper Limit [a]	454091	8.96	2137296	10.78	1382170	15.03
Lower Limit [b]	194611	8.30	915984	10.12	592358	14.37

Lab Sample ID	IS 1 AREA	RT	IS 2 AREA	RT	IS 3 AREA	RT
MSQ232-MB	279318	8.63	1257337	10.46	789946	14.70
MSQ232-SCC	279318	8.63	1257337	10.46	789946	14.70
ZZZZZZ	291909	8.63	1319313	10.46	852415	14.70
ZZZZZZ	277643	8.63	1270762	10.45	808441	14.70
ZZZZZZ	294021	8.63	1339981	10.46	892050	14.70
M67264-1	299163	8.63	1352895	10.46	885506	14.70
M67264-1DUP	299558	8.63	1360811	10.45	891529	14.70
ZZZZZZ	304013	8.63	1374858	10.45	897793	14.70
ZZZZZZ	269787	8.63	1211382	10.46	696785	14.70
ZZZZZZ	294119	8.64	1319532	10.46	778532	14.70
MSQ233-BS	293497	8.63	1385223	10.46	880274	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: M67318
Account: GEI GEI Consultants, Inc.
Project: GEI Tufts Street Somerville MA

Check Std:	MSQ233-CC232	**Injection Date:**	08/28/07
Lab File ID:	Q4416.D	**Injection Time:**	16:05
Instrument ID:	GCMSQ	**Method:**	TO-15

	IS 1 AREA	RT	IS 2 AREA	RT	IS 3 AREA	RT
Check Std	293497	8.63	1385223	10.46	880274	14.70
Upper Limit [a]	410896	8.96	1939312	10.79	1232384	15.03
Lower Limit [b]	176098	8.30	831134	10.13	528164	14.37

Lab Sample ID	IS 1 AREA	RT	IS 2 AREA	RT	IS 3 AREA	RT
MSQ233-MB	276392	8.63	1254395	10.46	779522	14.70
M67317-1	263786	8.63	1215662	10.46	791882	14.70
M67317-1DUP	278467	8.63	1277308	10.46	838267	14.70
ZZZZZZ	285395	8.63	1294152	10.46	832833	14.70
ZZZZZZ	295084	8.63	1340433	10.46	888882	14.70
ZZZZZZ	238588	8.63	1017480	10.46	644227	14.70
ZZZZZZ	258616	8.63	1094880	10.46	694182	14.70
ZZZZZZ	265334	8.63	1129555	10.46	728127	14.70
ZZZZZZ	291219	8.63	1319807	10.46	865813	14.70
ZZZZZZ	257737	8.63	1112762	10.46	714409	14.70
M67318-1	278354	8.63	1190540	10.46	777058	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: M67318
Account: GEI GEI Consultants, Inc.
Project: GEI Tufts Street Somerville MA

Check Std:	MSQ234-CC234	**Injection Date:**	08/31/07
Lab File ID:	Q4455A.D	**Injection Time:**	09:16
Instrument ID:	GCMSQ	**Method:**	TO-15

	IS 1 AREA	RT	IS 2 AREA	RT	IS 3 AREA	RT
Check Std	267671	8.63	1158854	10.46	955060	14.70
Upper Limit [a]	374739	8.96	1622396	10.79	1337084	15.03
Lower Limit [b]	160603	8.30	695312	10.13	573036	14.37

Lab Sample ID	IS 1 AREA	RT	IS 2 AREA	RT	IS 3 AREA	RT
MSQ234-BS	267671	8.63	1158854	10.46	955060	14.70
MSQ234-MB	287457	8.63	1262634	10.46	972033	14.70
MSQ234-SCC	287457	8.63	1262634	10.46	972033	14.70
M67317-4	271138	8.63	838012	10.46	665724	14.70
M67317-4DUP	259285	8.63	1002224	10.46	793975	14.70
M67318-2	238633	8.63	958192	10.46	816762	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.

Initial Calibration Retention Time/Internal Standard Area Summary

Job Number: M67318
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: M67318
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: M67318
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: M67318
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: M67318
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: M67318
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: M67318
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: M67318
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: M67318
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: M67318
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: M67318
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: M67318
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: M67318
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: M67318
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: M67318
Account: GEI GEI Consultants, Inc.
Project: GEI Tufts Street Somerville MA

Sample Number	Lab File ID	Injected	By	Level	Inst ID	Method	
MSQ232-IC232	Q4396.D	08/27/07 09:34	DFT	0.5	GCMSQ	TO-15	Reporting this level
MSQ232-IC232	Q4397.D	08/27/07 10:21	DFT	0.2	GCMSQ	TO-15	
MSQ232-IC232	Q4398.D	08/27/07 11:04	DFT	40	GCMSQ	TO-15	
MSQ232-ICC232	Q4400.D	08/27/07 12:26	DFT	10	GCMSQ	TO-15	
MSQ232-IC232	Q4401.D	08/27/07 13:07	DFT	5	GCMSQ	TO-15	
MSQ232-IC232	Q4402.D	08/27/07 13:48	DFT	2	GCMSQ	TO-15	
MSQ232-IC232	Q4403.D	08/27/07 14:37	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	1.062	1.002-1.122
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	0.621	0.561-0.681
Benzyl Chloride	17.91	14.70	1.218	ok	1.219	1.159-1.279
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	5.00	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	1.192	1.132-1.252
Cyclohexane	10.42	10.46	0.996	ok	0.996	0.936-1.056
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	11.15	10.46	1.066	ok	1.065	1.005-1.125
Dichlorodifluoromethane	4.04	8.63	0.468	ok	0.468	0.408-0.528
Dibromochloromethane	13.35	14.70	0.908	ok	0.908	0.848-0.968
trans-1,2-Dichloroethylene	7.46	8.63	0.864	ok	0.864	0.804-0.924
cis-1,2-Dichloroethylene	8.47	8.63	0.981	ok	0.981	0.921-1.041
cis-1,3-Dichloropropene	11.96	10.46	1.143	ok	1.144	1.084-1.204
m-Dichlorobenzene	17.94	14.70	1.220	ok	1.221	1.161-1.281
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	12.45	10.46	1.190	ok	1.191	1.131-1.251
Ethanol	5.09	8.63	0.590	ok	0.590	0.530-0.650
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	17.20	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	4.29	8.63	0.497	ok	0.498	0.438-0.558
Heptane	11.41	10.46	1.091	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	1.003	0.943-1.063

Initial Calibration Retention Time/Internal Standard Area Summary

Job Number: M67318
Account: GEI GEI Consultants, Inc.
Project: GEI Tufts Street Somerville MA

Sample Number	Lab File ID	Injected	By	Level	Inst ID	Method	
MSQ232-IC232	Q4396.D	08/27/07 09:34	DFT	0.5	GCMSQ	TO-15	Reporting this level
MSQ232-IC232	Q4397.D	08/27/07 10:21	DFT	0.2	GCMSQ	TO-15	
MSQ232-IC232	Q4398.D	08/27/07 11:04	DFT	40	GCMSQ	TO-15	
MSQ232-ICC232	Q4400.D	08/27/07 12:26	DFT	10	GCMSQ	TO-15	
MSQ232-IC232	Q4401.D	08/27/07 13:07	DFT	5	GCMSQ	TO-15	
MSQ232-IC232	Q4402.D	08/27/07 13:48	DFT	2	GCMSQ	TO-15	
MSQ232-IC232	Q4403.D	08/27/07 14:37	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	6.54	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	0.893	0.833-0.953
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	0.459	0.399-0.519
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	17.76	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	9.15	8.63	1.060	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	1.065	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	15.32	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	281767	ok	302729	181637-423821
1,4-Difluorobenzene	10.46	ok	10.46	10.13-10.79	1282989	ok	1398352	839011-1957693
Chlorobenzene-D5	14.70	ok	14.70	14.37-15.03	815656	ok	905680	543408-1267952

Initial Calibration Retention Time/Internal Standard Area Summary

Job Number: M67318
Account: GEI GEI Consultants, Inc.
Project: GEI Tufts Street Somerville MA

Sample Number	Lab File ID	Injected	By	Level	Inst ID	Method	
MSQ232-IC232	Q4396.D	08/27/07 09:34	DFT	0.5	GCMSQ	TO-15	
MSQ232-IC232	Q4397.D	08/27/07 10:21	DFT	0.2	GCMSQ	TO-15	Reporting this level
MSQ232-IC232	Q4398.D	08/27/07 11:04	DFT	40	GCMSQ	TO-15	
MSQ232-ICC232	Q4400.D	08/27/07 12:26	DFT	10	GCMSQ	TO-15	
MSQ232-IC232	Q4401.D	08/27/07 13:07	DFT	5	GCMSQ	TO-15	
MSQ232-IC232	Q4402.D	08/27/07 13:48	DFT	2	GCMSQ	TO-15	
MSQ232-IC232	Q4403.D	08/27/07 14:37	DFT	20	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	10.15	10.46	0.970	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	1.049	0.989-1.109
Bromomethane	4.82	8.63	0.559	ok	0.560	0.500-0.620
Bromoethene	5.36	8.63	0.621	ok	0.621	0.561-0.681
Benzyl Chloride	17.92	14.70	1.219	ok	1.219	1.159-1.279
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	5.01	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	10.28	8.63	1.191	ok	1.192	1.132-1.252
Cyclohexane	10.41	10.46	0.995	ok	0.996	0.936-1.056
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	9.47	8.63	1.097	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	0.864	0.804-0.924
cis-1,2-Dichloroethylene	8.47	8.63	0.981	ok	0.981	0.921-1.041
cis-1,3-Dichloropropene	11.96	10.46	1.143	ok	1.144	1.084-1.204
m-Dichlorobenzene	18.01	14.70	1.225	ok	1.221	1.161-1.281
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	0.590	0.530-0.650
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	6.80	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	10.46	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	1.003	0.943-1.063

Initial Calibration Retention Time/Internal Standard Area Summary

Job Number: M67318
Account: GEI GEI Consultants, Inc.
Project: GEI Tufts Street Somerville MA

Sample Number	Lab File ID	Injected	By	Level	Inst ID	Method	
MSQ232-IC232	Q4396.D	08/27/07 09:34	DFT	0.5	GCMSQ	TO-15	
MSQ232-IC232	Q4397.D	08/27/07 10:21	DFT	0.2	GCMSQ	TO-15	Reporting this level
MSQ232-IC232	Q4398.D	08/27/07 11:04	DFT	40	GCMSQ	TO-15	
MSQ232-ICC232	Q4400.D	08/27/07 12:26	DFT	10	GCMSQ	TO-15	
MSQ232-IC232	Q4401.D	08/27/07 13:07	DFT	5	GCMSQ	TO-15	
MSQ232-IC232	Q4402.D	08/27/07 13:48	DFT	2	GCMSQ	TO-15	
MSQ232-IC232	Q4403.D	08/27/07 14:37	DFT	20	GCMSQ	TO-15	

Target Compound	RT (min.)	Istd RT (min.)	Rel RT		Mean Rel RT	Rel RT Range (+/- .06)
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
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	7.73	8.63	0.896	ok	0.893	0.833-0.953
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	0.459	0.399-0.519
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	15.80	14.70	1.075	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-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	6.46	8.63	0.749	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	1.059	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	1.065	1.005-1.125
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	7.79	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	15.81	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	280378	ok	302729	181637-423821
1,4-Difluorobenzene	10.46	ok	10.46	10.13-10.79	1267482	ok	1398352	839011-1957693
Chlorobenzene-D5	14.70	ok	14.70	14.37-15.03	814340	ok	905680	543408-1267952

Initial Calibration Retention Time/Internal Standard Area Summary

Job Number: M67318
Account: GEI GEI Consultants, Inc.
Project: GEI Tufts Street Somerville MA

Sample Number	Lab File ID	Injected	By	Level	Inst ID	Method	
MSQ232-IC232	Q4396.D	08/27/07 09:34	DFT	0.5	GCMSQ	TO-15	
MSQ232-IC232	Q4397.D	08/27/07 10:21	DFT	0.2	GCMSQ	TO-15	
MSQ232-IC232	Q4398.D	08/27/07 11:04	DFT	40	GCMSQ	TO-15	Reporting this level
MSQ232-ICC232	Q4400.D	08/27/07 12:26	DFT	10	GCMSQ	TO-15	
MSQ232-IC232	Q4401.D	08/27/07 13:07	DFT	5	GCMSQ	TO-15	
MSQ232-IC232	Q4402.D	08/27/07 13:48	DFT	2	GCMSQ	TO-15	
MSQ232-IC232	Q4403.D	08/27/07 14:37	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	1.062	1.002-1.122
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	5.36	8.63	0.621	ok	0.621	0.561-0.681
Benzyl Chloride	17.92	14.70	1.219	ok	1.219	1.159-1.279
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	5.00	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	17.02	14.70	1.158	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	0.996	0.936-1.056
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	0.864	0.804-0.924
cis-1,2-Dichloroethylene	8.47	8.63	0.981	ok	0.981	0.921-1.041
cis-1,3-Dichloropropene	11.96	10.46	1.143	ok	1.144	1.084-1.204
m-Dichlorobenzene	17.94	14.70	1.220	ok	1.221	1.161-1.281
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	0.590	0.530-0.650
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	6.79	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	1.090	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	1.003	0.943-1.063

Initial Calibration Retention Time/Internal Standard Area Summary

Job Number: M67318
Account: GEI GEI Consultants, Inc.
Project: GEI Tufts Street Somerville MA

Sample Number	Lab File ID	Injected	By	Level	Inst ID	Method	
MSQ232-IC232	Q4396.D	08/27/07 09:34	DFT	0.5	GCMSQ	TO-15	
MSQ232-IC232	Q4397.D	08/27/07 10:21	DFT	0.2	GCMSQ	TO-15	
MSQ232-IC232	Q4398.D	08/27/07 11:04	DFT	40	GCMSQ	TO-15	Reporting this level
MSQ232-ICC232	Q4400.D	08/27/07 12:26	DFT	10	GCMSQ	TO-15	
MSQ232-IC232	Q4401.D	08/27/07 13:07	DFT	5	GCMSQ	TO-15	
MSQ232-IC232	Q4402.D	08/27/07 13:48	DFT	2	GCMSQ	TO-15	
MSQ232-IC232	Q4403.D	08/27/07 14:37	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	8.02	8.63	0.929	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	0.893	0.833-0.953
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	0.459	0.399-0.519
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	1.209	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	1.067	1.007-1.127
Tertiary Butyl Alcohol	6.42	8.63	0.744	ok	0.746	0.686-0.806
Tetrachloroethylene	14.06	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	1.065	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	15.32	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	302613	ok	302729	181637-423821
1,4-Difluorobenzene	10.46	ok	10.46	10.13-10.79	1429937	ok	1398352	839011-1957693
Chlorobenzene-D5	14.70	ok	14.70	14.37-15.03	967855	ok	905680	543408-1267952

Initial Calibration Retention Time/Internal Standard Area Summary

Job Number: M67318
Account: GEI GEI Consultants, Inc.
Project: GEI Tufts Street Somerville MA

Sample Number	Lab File ID	Injected	By	Level	Inst ID	Method	
MSQ232-IC232	Q4396.D	08/27/07 09:34	DFT	0.5	GCMSQ	TO-15	
MSQ232-IC232	Q4397.D	08/27/07 10:21	DFT	0.2	GCMSQ	TO-15	
MSQ232-IC232	Q4398.D	08/27/07 11:04	DFT	40	GCMSQ	TO-15	
MSQ232-ICC232	Q4400.D	08/27/07 12:26	DFT	10	GCMSQ	TO-15	Reporting this level
MSQ232-IC232	Q4401.D	08/27/07 13:07	DFT	5	GCMSQ	TO-15	
MSQ232-IC232	Q4402.D	08/27/07 13:48	DFT	2	GCMSQ	TO-15	
MSQ232-IC232	Q4403.D	08/27/07 14:37	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	4.56	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	1.049	0.989-1.109
Bromomethane	4.83	8.63	0.560	ok	0.560	0.500-0.620
Bromoethene	5.36	8.63	0.621	ok	0.621	0.561-0.681
Benzyl Chloride	17.91	14.70	1.218	ok	1.219	1.159-1.279
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	6.65	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	0.996	0.936-1.056
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	4.04	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	0.864	0.804-0.924
cis-1,2-Dichloroethylene	8.46	8.63	0.980	ok	0.981	0.921-1.041
cis-1,3-Dichloropropene	11.96	10.46	1.143	ok	1.144	1.084-1.204
m-Dichlorobenzene	17.93	14.70	1.220	ok	1.221	1.161-1.281
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	5.09	8.63	0.590	ok	0.590	0.530-0.650
Ethylbenzene	15.12	14.70	1.029	ok	1.029	0.969-1.089
Ethyl Acetate	8.66	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	1.090	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	1.003	0.943-1.063

Initial Calibration Retention Time/Internal Standard Area Summary

Job Number: M67318
Account: GEI GEI Consultants, Inc.
Project: GEI Tufts Street Somerville MA

Sample Number	Lab File ID	Injected	By	Level	Inst ID	Method	
MSQ232-IC232	Q4396.D	08/27/07 09:34	DFT	0.5	GCMSQ	TO-15	
MSQ232-IC232	Q4397.D	08/27/07 10:21	DFT	0.2	GCMSQ	TO-15	
MSQ232-IC232	Q4398.D	08/27/07 11:04	DFT	40	GCMSQ	TO-15	
MSQ232-ICC232	Q4400.D	08/27/07 12:26	DFT	10	GCMSQ	TO-15	Reporting this level
MSQ232-IC232	Q4401.D	08/27/07 13:07	DFT	5	GCMSQ	TO-15	
MSQ232-IC232	Q4402.D	08/27/07 13:48	DFT	2	GCMSQ	TO-15	
MSQ232-IC232	Q4403.D	08/27/07 14:37	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	0.893	0.833-0.953
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	0.459	0.399-0.519
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	1.209	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	1.067	1.007-1.127
Tertiary Butyl Alcohol	6.42	8.63	0.744	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	1.059	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	1.065	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	15.32	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	328946	ok	302729	181637-423821
1,4-Difluorobenzene	10.46	ok	10.46	10.13-10.79	1534463	ok	1398352	839011-1957693
Chlorobenzene-D5	14.70	ok	14.70	14.37-15.03	996587	ok	905680	543408-1267952

Initial Calibration Retention Time/Internal Standard Area Summary

Job Number: M67318
Account: GEI GEI Consultants, Inc.
Project: GEI Tufts Street Somerville MA

Sample Number	Lab File ID	Injected	By	Level	Inst ID	Method	
MSQ232-IC232	Q4396.D	08/27/07 09:34	DFT	0.5	GCMSQ	TO-15	
MSQ232-IC232	Q4397.D	08/27/07 10:21	DFT	0.2	GCMSQ	TO-15	
MSQ232-IC232	Q4398.D	08/27/07 11:04	DFT	40	GCMSQ	TO-15	
MSQ232-ICC232	Q4400.D	08/27/07 12:26	DFT	10	GCMSQ	TO-15	
MSQ232-IC232	Q4401.D	08/27/07 13:07	DFT	5	GCMSQ	TO-15	Reporting this level
MSQ232-IC232	Q4402.D	08/27/07 13:48	DFT	2	GCMSQ	TO-15	
MSQ232-IC232	Q4403.D	08/27/07 14:37	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	10.45	0.970	ok	0.970	0.910-1.030
Bromodichloromethane	11.10	10.45	1.062	ok	1.062	1.002-1.122
Bromoform	15.42	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	5.36	8.63	0.621	ok	0.621	0.561-0.681
Benzyl Chloride	17.91	14.70	1.218	ok	1.219	1.159-1.279
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	1.192	1.132-1.252
Cyclohexane	10.41	10.45	0.996	ok	0.996	0.936-1.056
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	9.45	8.63	1.095	ok	1.096	1.036-1.156
1,2-Dichloropropane	10.91	10.45	1.044	ok	1.044	0.984-1.104
1,4-Dioxane	11.13	10.45	1.065	ok	1.065	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	0.864	0.804-0.924
cis-1,2-Dichloroethylene	8.46	8.63	0.980	ok	0.981	0.921-1.041
cis-1,3-Dichloropropene	11.96	10.45	1.144	ok	1.144	1.084-1.204
m-Dichlorobenzene	17.93	14.70	1.220	ok	1.221	1.161-1.281
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	10.45	1.192	ok	1.191	1.131-1.251
Ethanol	5.09	8.63	0.590	ok	0.590	0.530-0.650
Ethylbenzene	15.12	14.70	1.029	ok	1.029	0.969-1.089
Ethyl Acetate	8.66	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	4.29	8.63	0.497	ok	0.498	0.438-0.558
Heptane	11.40	10.45	1.091	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	1.003	0.943-1.063

Initial Calibration Retention Time/Internal Standard Area Summary

Job Number: M67318
Account: GEI GEI Consultants, Inc.
Project: GEI Tufts Street Somerville MA

Sample Number	Lab File ID	Injected	By	Level	Inst ID	Method	
MSQ232-IC232	Q4396.D	08/27/07 09:34	DFT	0.5	GCMSQ	TO-15	
MSQ232-IC232	Q4397.D	08/27/07 10:21	DFT	0.2	GCMSQ	TO-15	
MSQ232-IC232	Q4398.D	08/27/07 11:04	DFT	40	GCMSQ	TO-15	
MSQ232-ICC232	Q4400.D	08/27/07 12:26	DFT	10	GCMSQ	TO-15	
MSQ232-IC232	Q4401.D	08/27/07 13:07	DFT	5	GCMSQ	TO-15	Reporting this level
MSQ232-IC232	Q4402.D	08/27/07 13:48	DFT	2	GCMSQ	TO-15	
MSQ232-IC232	Q4403.D	08/27/07 14:37	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	11.98	10.45	1.146	ok	1.145	1.085-1.205
Methyl Tert Butyl Ether	7.71	8.63	0.893	ok	0.893	0.833-0.953
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	0.459	0.399-0.519
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	17.29	14.70	1.176	ok	1.176	1.116-1.236
2,2,4-Trimethylpentane	11.16	10.45	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	1.059	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	1.065	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	15.32	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	320572	ok	302729	181637-423821
1,4-Difluorobenzene	10.45	ok	10.46	10.13-10.79	1483738	ok	1398352	839011-1957693
Chlorobenzene-D5	14.70	ok	14.70	14.37-15.03	952398	ok	905680	543408-1267952

Initial Calibration Retention Time/Internal Standard Area Summary

Job Number: M67318
Account: GEI GEI Consultants, Inc.
Project: GEI Tufts Street Somerville MA

Sample Number	Lab File ID	Injected	By	Level	Inst ID	Method	
MSQ232-IC232	Q4396.D	08/27/07 09:34	DFT	0.5	GCMSQ	TO-15	
MSQ232-IC232	Q4397.D	08/27/07 10:21	DFT	0.2	GCMSQ	TO-15	
MSQ232-IC232	Q4398.D	08/27/07 11:04	DFT	40	GCMSQ	TO-15	
MSQ232-ICC232	Q4400.D	08/27/07 12:26	DFT	10	GCMSQ	TO-15	
MSQ232-IC232	Q4401.D	08/27/07 13:07	DFT	5	GCMSQ	TO-15	
MSQ232-IC232	Q4402.D	08/27/07 13:48	DFT	2	GCMSQ	TO-15	Reporting this level
MSQ232-IC232	Q4403.D	08/27/07 14:37	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	4.56	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	1.049	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	0.621	0.561-0.681
Benzyl Chloride	17.91	14.70	1.218	ok	1.219	1.159-1.279
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	5.00	8.63	0.579	ok	0.580	0.520-0.640
Chloroform	8.74	8.63	1.013	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	10.45	0.996	ok	0.996	0.936-1.056
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	10.45	1.045	ok	1.044	0.984-1.104
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	0.864	0.804-0.924
cis-1,2-Dichloroethylene	8.46	8.63	0.980	ok	0.981	0.921-1.041
cis-1,3-Dichloropropene	11.96	10.45	1.144	ok	1.144	1.084-1.204
m-Dichlorobenzene	17.93	14.70	1.220	ok	1.221	1.161-1.281
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	1.191	1.131-1.251
Ethanol	5.10	8.63	0.591	ok	0.590	0.530-0.650
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	4.29	8.63	0.497	ok	0.498	0.438-0.558
Heptane	11.40	10.45	1.091	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	1.003	0.943-1.063

Initial Calibration Retention Time/Internal Standard Area Summary

Job Number: M67318
Account: GEI GEI Consultants, Inc.
Project: GEI Tufts Street Somerville MA

Sample Number	Lab File ID	Injected	By	Level	Inst ID	Method	
MSQ232-IC232	Q4396.D	08/27/07 09:34	DFT	0.5	GCMSQ	TO-15	
MSQ232-IC232	Q4397.D	08/27/07 10:21	DFT	0.2	GCMSQ	TO-15	
MSQ232-IC232	Q4398.D	08/27/07 11:04	DFT	40	GCMSQ	TO-15	
MSQ232-ICC232	Q4400.D	08/27/07 12:26	DFT	10	GCMSQ	TO-15	
MSQ232-IC232	Q4401.D	08/27/07 13:07	DFT	5	GCMSQ	TO-15	
MSQ232-IC232	Q4402.D	08/27/07 13:48	DFT	2	GCMSQ	TO-15	Reporting this level
MSQ232-IC232	Q4403.D	08/27/07 14:37	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	8.03	8.63	0.930	ok	0.931	0.871-0.991
Methyl Isobutyl Ketone	11.98	10.45	1.146	ok	1.145	1.085-1.205
Methyl Tert Butyl Ether	7.71	8.63	0.893	ok	0.893	0.833-0.953
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	0.459	0.399-0.519
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	20.31	14.70	1.382	ok	1.381	1.321-1.441
1,2,4-Trimethylbenzene	17.75	14.70	1.207	ok	1.208	1.148-1.268
1,3,5-Trimethylbenzene	17.29	14.70	1.176	ok	1.176	1.116-1.236
2,2,4-Trimethylpentane	11.16	10.45	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	1.059	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	1.065	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	309830	ok	302729	181637-423821
1,4-Difluorobenzene	10.45	ok	10.46	10.13-10.79	1428765	ok	1398352	839011-1957693
Chlorobenzene-D5	14.70	ok	14.70	14.37-15.03	901957	ok	905680	543408-1267952

Initial Calibration Retention Time/Internal Standard Area Summary

Job Number: M67318
Account: GEI GEI Consultants, Inc.
Project: GEI Tufts Street Somerville MA

Sample Number	Lab File ID	Injected	By	Level	Inst ID	Method	
MSQ232-IC232	Q4396.D	08/27/07 09:34	DFT	0.5	GCMSQ	TO-15	
MSQ232-IC232	Q4397.D	08/27/07 10:21	DFT	0.2	GCMSQ	TO-15	
MSQ232-IC232	Q4398.D	08/27/07 11:04	DFT	40	GCMSQ	TO-15	
MSQ232-ICC232	Q4400.D	08/27/07 12:26	DFT	10	GCMSQ	TO-15	
MSQ232-IC232	Q4401.D	08/27/07 13:07	DFT	5	GCMSQ	TO-15	
MSQ232-IC232	Q4402.D	08/27/07 13:48	DFT	2	GCMSQ	TO-15	
MSQ232-IC232	Q4403.D	08/27/07 14:37	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	1.062	1.002-1.122
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	0.621	0.561-0.681
Benzyl Chloride	17.91	14.70	1.218	ok	1.219	1.159-1.279
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	6.66	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	1.192	1.132-1.252
Cyclohexane	10.41	10.46	0.995	ok	0.996	0.936-1.056
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	13.35	14.70	0.908	ok	0.908	0.848-0.968
trans-1,2-Dichloroethylene	7.46	8.63	0.864	ok	0.864	0.804-0.924
cis-1,2-Dichloroethylene	8.47	8.63	0.981	ok	0.981	0.921-1.041
cis-1,3-Dichloropropene	11.95	10.46	1.142	ok	1.144	1.084-1.204
m-Dichlorobenzene	17.93	14.70	1.220	ok	1.221	1.161-1.281
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	5.09	8.63	0.590	ok	0.590	0.530-0.650
Ethylbenzene	15.12	14.70	1.029	ok	1.029	0.969-1.089
Ethyl Acetate	8.66	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	1.090	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	1.003	0.943-1.063

Initial Calibration Retention Time/Internal Standard Area Summary

Job Number: M67318
Account: GEI GEI Consultants, Inc.
Project: GEI Tufts Street Somerville MA

Sample Number	Lab File ID	Injected	By	Level	Inst ID	Method	
MSQ232-IC232	Q4396.D	08/27/07 09:34	DFT	0.5	GCMSQ	TO-15	
MSQ232-IC232	Q4397.D	08/27/07 10:21	DFT	0.2	GCMSQ	TO-15	
MSQ232-IC232	Q4398.D	08/27/07 11:04	DFT	40	GCMSQ	TO-15	
MSQ232-ICC232	Q4400.D	08/27/07 12:26	DFT	10	GCMSQ	TO-15	
MSQ232-IC232	Q4401.D	08/27/07 13:07	DFT	5	GCMSQ	TO-15	
MSQ232-IC232	Q4402.D	08/27/07 13:48	DFT	2	GCMSQ	TO-15	
MSQ232-IC232	Q4403.D	08/27/07 14:37	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	8.02	8.63	0.929	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	0.893	0.833-0.953
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	0.459	0.399-0.519
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	1.067	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	1.059	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	1.065	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	15.32	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	294999	ok	302729	181637-423821
1,4-Difluorobenzene	10.46	ok	10.46	10.13-10.79	1361093	ok	1398352	839011-1957693
Chlorobenzene-D5	14.70	ok	14.70	14.37-15.03	890966	ok	905680	543408-1267952

Initial Calibration Retention Time/Internal Standard Area Summary

Job Number: M67318
Account: GEI GEI Consultants, Inc.
Project: GEI Tufts Street Somerville MA

Sample Number	Lab File ID	Injected	By	Level	Inst ID	Method	
MSQ234-IC234	Q4448.D	08/30/07 17:41	DFT	0.5	GCMSQ	TO-15	Reporting this level
MSQ234-IC234	Q4449.D	08/30/07 18:25	DFT	0.2	GCMSQ	TO-15	
MSQ234-IC234	Q4450.D	08/30/07 19:08	DFT	40	GCMSQ	TO-15	
MSQ234-IC234	Q4451.D	08/30/07 19:51	DFT	20	GCMSQ	TO-15	
MSQ234-ICC234	Q4452.D	08/30/07 20:35	DFT	10	GCMSQ	TO-15	
MSQ234-IC234	Q4453.D	08/30/07 21:18	DFT	5	GCMSQ	TO-15	
MSQ234-IC234	Q4454.D	08/30/07 22:01	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	10.46	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	1.049	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	17.92	14.70	1.219	ok	1.219	1.159-1.279
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	6.66	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	0.996	0.936-1.056
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
1,4-Dioxane	11.15	10.46	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	7.47	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	1.144	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	1.191	1.131-1.251
Ethanol	5.10	8.63	0.591	ok	0.590	0.530-0.650
Ethylbenzene	15.13	14.70	1.029	ok	1.029	0.969-1.089
Ethyl Acetate	8.67	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	4.29	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	8.67	8.63	1.005	ok	1.004	0.944-1.064

Initial Calibration Retention Time/Internal Standard Area Summary

Job Number: M67318
Account: GEI GEI Consultants, Inc.
Project: GEI Tufts Street Somerville MA

Sample Number	Lab File ID	Injected	By	Level	Inst ID	Method	
MSQ234-IC234	Q4448.D	08/30/07 17:41	DFT	0.5	GCMSQ	TO-15	Reporting this level
MSQ234-IC234	Q4449.D	08/30/07 18:25	DFT	0.2	GCMSQ	TO-15	
MSQ234-IC234	Q4450.D	08/30/07 19:08	DFT	40	GCMSQ	TO-15	
MSQ234-IC234	Q4451.D	08/30/07 19:51	DFT	20	GCMSQ	TO-15	
MSQ234-ICC234	Q4452.D	08/30/07 20:35	DFT	10	GCMSQ	TO-15	
MSQ234-IC234	Q4453.D	08/30/07 21:18	DFT	5	GCMSQ	TO-15	
MSQ234-IC234	Q4454.D	08/30/07 22:01	DFT	2	GCMSQ	TO-15	

Target Compound	RT (min.)	Istd RT (min.)	Rel RT		Mean Rel RT	Rel RT Range (+/- .06)
2-Hexanone	13.16	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	0.676	0.616-0.736
Methylene chloride	6.54	8.63	0.758	ok	0.757	0.697-0.817
Methyl ethyl ketone	8.05	8.63	0.933	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	0.893	0.833-0.953
Nonane	16.02	14.70	1.090	ok	1.090	1.030-1.150
Pentane	6.13	8.63	0.710	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	1.209	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	1.067	1.007-1.127
Tertiary Butyl Alcohol	6.46	8.63	0.749	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	1.236	1.176-1.296
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	15.31	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	222003	ok	254058	152435-355681
1,4-Difluorobenzene	10.46	ok	10.46	10.13-10.79	884585	ok	1155901	693541-1618261
Chlorobenzene-D5	14.70	ok	14.70	14.37-15.03	684372	ok	945978	567587-1324369

Initial Calibration Retention Time/Internal Standard Area Summary

Job Number: M67318
Account: GEI GEI Consultants, Inc.
Project: GEI Tufts Street Somerville MA

Sample Number	Lab File ID	Injected	By	Level	Inst ID	Method	
MSQ234-IC234	Q4448.D	08/30/07 17:41	DFT	0.5	GCMSQ	TO-15	
MSQ234-IC234	Q4449.D	08/30/07 18:25	DFT	0.2	GCMSQ	TO-15	Reporting this level
MSQ234-IC234	Q4450.D	08/30/07 19:08	DFT	40	GCMSQ	TO-15	
MSQ234-IC234	Q4451.D	08/30/07 19:51	DFT	20	GCMSQ	TO-15	
MSQ234-ICC234	Q4452.D	08/30/07 20:35	DFT	10	GCMSQ	TO-15	
MSQ234-IC234	Q4453.D	08/30/07 21:18	DFT	5	GCMSQ	TO-15	
MSQ234-IC234	Q4454.D	08/30/07 22:01	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	10.15	10.45	0.971	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	1.049	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	1.219	1.159-1.279
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	6.65	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	10.45	0.997	ok	0.996	0.936-1.056
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	10.45	1.045	ok	1.044	0.984-1.104
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	7.46	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	10.45	1.144	ok	1.144	1.084-1.204
m-Dichlorobenzene	17.94	14.70	1.220	ok	1.220	1.160-1.280
o-Dichlorobenzene	18.40	14.70	1.252	ok	1.252	1.192-1.312
p-Dichlorobenzene	18.01	14.70	1.225	ok	1.225	1.165-1.285
trans-1,3-Dichloropropene	12.45	10.45	1.191	ok	1.191	1.131-1.251
Ethanol	5.11	8.63	0.592	ok	0.590	0.530-0.650
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	6.80	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	11.39	10.45	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: M67318
Account: GEI GEI Consultants, Inc.
Project: GEI Tufts Street Somerville MA

Sample Number	Lab File ID	Injected	By	Level	Inst ID	Method	
MSQ234-IC234	Q4448.D	08/30/07 17:41	DFT	0.5	GCMSQ	TO-15	
MSQ234-IC234	Q4449.D	08/30/07 18:25	DFT	0.2	GCMSQ	TO-15	Reporting this level
MSQ234-IC234	Q4450.D	08/30/07 19:08	DFT	40	GCMSQ	TO-15	
MSQ234-IC234	Q4451.D	08/30/07 19:51	DFT	20	GCMSQ	TO-15	
MSQ234-ICC234	Q4452.D	08/30/07 20:35	DFT	10	GCMSQ	TO-15	
MSQ234-IC234	Q4453.D	08/30/07 21:18	DFT	5	GCMSQ	TO-15	
MSQ234-IC234	Q4454.D	08/30/07 22:01	DFT	2	GCMSQ	TO-15	

Target Compound	RT (min.)	Istd RT (min.)	Rel RT		Mean Rel RT	Rel RT Range (+/- .06)
2-Hexanone	13.16	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	0.676	0.616-0.736
Methylene chloride	6.53	8.63	0.757	ok	0.757	0.697-0.817
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	1.145	1.085-1.205
Methyl Tert Butyl Ether	7.72	8.63	0.895	ok	0.893	0.833-0.953
Nonane	16.02	14.70	1.090	ok	1.090	1.030-1.150
Pentane	6.13	8.63	0.710	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	10.45	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	1.067	1.007-1.127
Tertiary Butyl Alcohol	6.46	8.63	0.749	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	10.45	1.236	ok	1.236	1.176-1.296
Trichloroethylene	11.14	10.45	1.066	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	15.32	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	226067	ok	254058	152435-355681
1,4-Difluorobenzene	10.45	ok	10.46	10.13-10.79	969536	ok	1155901	693541-1618261
Chlorobenzene-D5	14.70	ok	14.70	14.37-15.03	770912	ok	945978	567587-1324369

Initial Calibration Retention Time/Internal Standard Area Summary

Job Number: M67318
Account: GEI GEI Consultants, Inc.
Project: GEI Tufts Street Somerville MA

Sample Number	Lab File ID	Injected	By	Level	Inst ID	Method	
MSQ234-IC234	Q4448.D	08/30/07 17:41	DFT	0.5	GCMSQ	TO-15	
MSQ234-IC234	Q4449.D	08/30/07 18:25	DFT	0.2	GCMSQ	TO-15	
MSQ234-IC234	Q4450.D	08/30/07 19:08	DFT	40	GCMSQ	TO-15	Reporting this level
MSQ234-IC234	Q4451.D	08/30/07 19:51	DFT	20	GCMSQ	TO-15	
MSQ234-ICC234	Q4452.D	08/30/07 20:35	DFT	10	GCMSQ	TO-15	
MSQ234-IC234	Q4453.D	08/30/07 21:18	DFT	5	GCMSQ	TO-15	
MSQ234-IC234	Q4454.D	08/30/07 22:01	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	4.56	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	1.062	1.002-1.122
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	17.92	14.70	1.219	ok	1.219	1.159-1.279
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	17.02	14.70	1.158	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	0.996	0.936-1.056
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	4.03	8.63	0.467	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	1.144	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	1.191	1.131-1.251
Ethanol	5.09	8.63	0.590	ok	0.590	0.530-0.650
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	0.787	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	1.090	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: M67318
Account: GEI GEI Consultants, Inc.
Project: GEI Tufts Street Somerville MA

Sample Number	Lab File ID	Injected	By	Level	Inst ID	Method	
MSQ234-IC234	Q4448.D	08/30/07 17:41	DFT	0.5	GCMSQ	TO-15	
MSQ234-IC234	Q4449.D	08/30/07 18:25	DFT	0.2	GCMSQ	TO-15	
MSQ234-IC234	Q4450.D	08/30/07 19:08	DFT	40	GCMSQ	TO-15	Reporting this level
MSQ234-IC234	Q4451.D	08/30/07 19:51	DFT	20	GCMSQ	TO-15	
MSQ234-ICC234	Q4452.D	08/30/07 20:35	DFT	10	GCMSQ	TO-15	
MSQ234-IC234	Q4453.D	08/30/07 21:18	DFT	5	GCMSQ	TO-15	
MSQ234-IC234	Q4454.D	08/30/07 22:01	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	5.82	8.63	0.674	ok	0.676	0.616-0.736
Methylene chloride	6.54	8.63	0.758	ok	0.757	0.697-0.817
Methyl ethyl ketone	8.02	8.63	0.929	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	0.893	0.833-0.953
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	1.209	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	1.067	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	1.236	1.176-1.296
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	15.33	14.70	1.043	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	284336	ok	254058	152435-355681
1,4-Difluorobenzene	10.46	ok	10.46	10.13-10.79	1296676	ok	1155901	693541-1618261
Chlorobenzene-D5	14.70	ok	14.70	14.37-15.03	1114871	ok	945978	567587-1324369

Initial Calibration Retention Time/Internal Standard Area Summary

Job Number: M67318
Account: GEI GEI Consultants, Inc.
Project: GEI Tufts Street Somerville MA

Sample Number	Lab File ID	Injected	By	Level	Inst ID	Method	
MSQ234-IC234	Q4448.D	08/30/07 17:41	DFT	0.5	GCMSQ	TO-15	
MSQ234-IC234	Q4449.D	08/30/07 18:25	DFT	0.2	GCMSQ	TO-15	
MSQ234-IC234	Q4450.D	08/30/07 19:08	DFT	40	GCMSQ	TO-15	
MSQ234-IC234	Q4451.D	08/30/07 19:51	DFT	20	GCMSQ	TO-15	Reporting this level
MSQ234-ICC234	Q4452.D	08/30/07 20:35	DFT	10	GCMSQ	TO-15	
MSQ234-IC234	Q4453.D	08/30/07 21:18	DFT	5	GCMSQ	TO-15	
MSQ234-IC234	Q4454.D	08/30/07 22:01	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	4.56	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	1.049	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	1.219	1.159-1.279
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	10.29	8.63	1.192	ok	1.192	1.132-1.252
Cyclohexane	10.41	10.46	0.995	ok	0.996	0.936-1.056
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	11.12	10.46	1.063	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	1.144	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	1.191	1.131-1.251
Ethanol	5.09	8.63	0.590	ok	0.590	0.530-0.650
Ethylbenzene	15.12	14.70	1.029	ok	1.029	0.969-1.089
Ethyl Acetate	8.66	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	1.090	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: M67318
Account: GEI GEI Consultants, Inc.
Project: GEI Tufts Street Somerville MA

Sample Number	Lab File ID	Injected	By	Level	Inst ID	Method	
MSQ234-IC234	Q4448.D	08/30/07 17:41	DFT	0.5	GCMSQ	TO-15	
MSQ234-IC234	Q4449.D	08/30/07 18:25	DFT	0.2	GCMSQ	TO-15	
MSQ234-IC234	Q4450.D	08/30/07 19:08	DFT	40	GCMSQ	TO-15	
MSQ234-IC234	Q4451.D	08/30/07 19:51	DFT	20	GCMSQ	TO-15	Reporting this level
MSQ234-ICC234	Q4452.D	08/30/07 20:35	DFT	10	GCMSQ	TO-15	
MSQ234-IC234	Q4453.D	08/30/07 21:18	DFT	5	GCMSQ	TO-15	
MSQ234-IC234	Q4454.D	08/30/07 22:01	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	5.82	8.63	0.674	ok	0.676	0.616-0.736
Methylene chloride	6.54	8.63	0.758	ok	0.757	0.697-0.817
Methyl ethyl ketone	8.02	8.63	0.929	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	0.893	0.833-0.953
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	1.209	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	1.067	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	1.236	1.176-1.296
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	15.32	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	231157	ok	254058	152435-355681
1,4-Difluorobenzene	10.46	ok	10.46	10.13-10.79	1055214	ok	1155901	693541-1618261
Chlorobenzene-D5	14.70	ok	14.70	14.37-15.03	858561	ok	945978	567587-1324369

Initial Calibration Retention Time/Internal Standard Area Summary

Job Number: M67318
Account: GEI GEI Consultants, Inc.
Project: GEI Tufts Street Somerville MA

Sample Number	Lab File ID	Injected	By	Level	Inst ID	Method	
MSQ234-IC234	Q4448.D	08/30/07 17:41	DFT	0.5	GCMSQ	TO-15	
MSQ234-IC234	Q4449.D	08/30/07 18:25	DFT	0.2	GCMSQ	TO-15	
MSQ234-IC234	Q4450.D	08/30/07 19:08	DFT	40	GCMSQ	TO-15	
MSQ234-IC234	Q4451.D	08/30/07 19:51	DFT	20	GCMSQ	TO-15	
MSQ234-ICC234	Q4452.D	08/30/07 20:35	DFT	10	GCMSQ	TO-15	Reporting this level
MSQ234-IC234	Q4453.D	08/30/07 21:18	DFT	5	GCMSQ	TO-15	
MSQ234-IC234	Q4454.D	08/30/07 22:01	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	4.56	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	1.049	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	1.219	1.159-1.279
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	0.580	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	1.192	1.132-1.252
Cyclohexane	10.41	10.46	0.995	ok	0.996	0.936-1.056
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	13.34	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	10.46	1.142	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	1.191	1.131-1.251
Ethanol	5.09	8.63	0.590	ok	0.590	0.530-0.650
Ethylbenzene	15.12	14.70	1.029	ok	1.029	0.969-1.089
Ethyl Acetate	8.66	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	1.090	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: M67318
Account: GEI GEI Consultants, Inc.
Project: GEI Tufts Street Somerville MA

Sample Number	Lab File ID	Injected	By	Level	Inst ID	Method	
MSQ234-IC234	Q4448.D	08/30/07 17:41	DFT	0.5	GCMSQ	TO-15	
MSQ234-IC234	Q4449.D	08/30/07 18:25	DFT	0.2	GCMSQ	TO-15	
MSQ234-IC234	Q4450.D	08/30/07 19:08	DFT	40	GCMSQ	TO-15	
MSQ234-IC234	Q4451.D	08/30/07 19:51	DFT	20	GCMSQ	TO-15	
MSQ234-ICC234	Q4452.D	08/30/07 20:35	DFT	10	GCMSQ	TO-15	Reporting this level
MSQ234-IC234	Q4453.D	08/30/07 21:18	DFT	5	GCMSQ	TO-15	
MSQ234-IC234	Q4454.D	08/30/07 22:01	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	5.82	8.63	0.674	ok	0.676	0.616-0.736
Methylene chloride	6.54	8.63	0.758	ok	0.757	0.697-0.817
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	0.893	0.833-0.953
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	1.209	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	1.067	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	1.236	1.176-1.296
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	15.32	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	253877	ok	254058	152435-355681
1,4-Difluorobenzene	10.46	ok	10.46	10.13-10.79	1208412	ok	1155901	693541-1618261
Chlorobenzene-D5	14.70	ok	14.70	14.37-15.03	992418	ok	945978	567587-1324369

Initial Calibration Retention Time/Internal Standard Area Summary

Job Number: M67318
Account: GEI GEI Consultants, Inc.
Project: GEI Tufts Street Somerville MA

Sample Number	Lab File ID	Injected	By	Level	Inst ID	Method	
MSQ234-IC234	Q4448.D	08/30/07 17:41	DFT	0.5	GCMSQ	TO-15	
MSQ234-IC234	Q4449.D	08/30/07 18:25	DFT	0.2	GCMSQ	TO-15	
MSQ234-IC234	Q4450.D	08/30/07 19:08	DFT	40	GCMSQ	TO-15	
MSQ234-IC234	Q4451.D	08/30/07 19:51	DFT	20	GCMSQ	TO-15	
MSQ234-ICC234	Q4452.D	08/30/07 20:35	DFT	10	GCMSQ	TO-15	
MSQ234-IC234	Q4453.D	08/30/07 21:18	DFT	5	GCMSQ	TO-15	Reporting this level
MSQ234-IC234	Q4454.D	08/30/07 22:01	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	1.049	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	1.219	1.159-1.279
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	5.01	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	1.192	1.132-1.252
Cyclohexane	10.41	10.46	0.995	ok	0.996	0.936-1.056
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	8.46	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	18.39	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	0.590	0.530-0.650
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	4.29	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: M67318
Account: GEI GEI Consultants, Inc.
Project: GEI Tufts Street Somerville MA

Sample Number	Lab File ID	Injected	By	Level	Inst ID	Method	
MSQ234-IC234	Q4448.D	08/30/07 17:41	DFT	0.5	GCMSQ	TO-15	
MSQ234-IC234	Q4449.D	08/30/07 18:25	DFT	0.2	GCMSQ	TO-15	
MSQ234-IC234	Q4450.D	08/30/07 19:08	DFT	40	GCMSQ	TO-15	
MSQ234-IC234	Q4451.D	08/30/07 19:51	DFT	20	GCMSQ	TO-15	
MSQ234-ICC234	Q4452.D	08/30/07 20:35	DFT	10	GCMSQ	TO-15	
MSQ234-IC234	Q4453.D	08/30/07 21:18	DFT	5	GCMSQ	TO-15	Reporting this level
MSQ234-IC234	Q4454.D	08/30/07 22:01	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	0.676	0.616-0.736
Methylene chloride	6.54	8.63	0.758	ok	0.757	0.697-0.817
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	0.893	0.833-0.953
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	1.209	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	1.067	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	1.236	1.176-1.296
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	277532	ok	254058	152435-355681
1,4-Difluorobenzene	10.46	ok	10.46	10.13-10.79	1318277	ok	1155901	693541-1618261
Chlorobenzene-D5	14.70	ok	14.70	14.37-15.03	1096526	ok	945978	567587-1324369

Initial Calibration Retention Time/Internal Standard Area Summary

Job Number: M67318
Account: GEI GEI Consultants, Inc.
Project: GEI Tufts Street Somerville MA

Sample Number	Lab File ID	Injected	By	Level	Inst ID	Method	
MSQ234-IC234	Q4448.D	08/30/07 17:41	DFT	0.5	GCMSQ	TO-15	
MSQ234-IC234	Q4449.D	08/30/07 18:25	DFT	0.2	GCMSQ	TO-15	
MSQ234-IC234	Q4450.D	08/30/07 19:08	DFT	40	GCMSQ	TO-15	
MSQ234-IC234	Q4451.D	08/30/07 19:51	DFT	20	GCMSQ	TO-15	
MSQ234-ICC234	Q4452.D	08/30/07 20:35	DFT	10	GCMSQ	TO-15	
MSQ234-IC234	Q4453.D	08/30/07 21:18	DFT	5	GCMSQ	TO-15	
MSQ234-IC234	Q4454.D	08/30/07 22:01	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	5.60	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	10.15	10.45	0.971	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	1.049	0.989-1.109
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	1.219	1.159-1.279
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	10.29	8.63	1.192	ok	1.192	1.132-1.252
Cyclohexane	10.41	10.45	0.996	ok	0.996	0.936-1.056
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	10.45	1.045	ok	1.044	0.984-1.104
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	7.47	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	10.45	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	1.191	1.131-1.251
Ethanol	5.09	8.63	0.590	ok	0.590	0.530-0.650
Ethylbenzene	15.12	14.70	1.029	ok	1.029	0.969-1.089
Ethyl Acetate	8.66	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	1.090	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: M67318
Account: GEI GEI Consultants, Inc.
Project: GEI Tufts Street Somerville MA

Sample Number	Lab File ID	Injected	By	Level	Inst ID	Method	
MSQ234-IC234	Q4448.D	08/30/07 17:41	DFT	0.5	GCMSQ	TO-15	
MSQ234-IC234	Q4449.D	08/30/07 18:25	DFT	0.2	GCMSQ	TO-15	
MSQ234-IC234	Q4450.D	08/30/07 19:08	DFT	40	GCMSQ	TO-15	
MSQ234-IC234	Q4451.D	08/30/07 19:51	DFT	20	GCMSQ	TO-15	
MSQ234-ICC234	Q4452.D	08/30/07 20:35	DFT	10	GCMSQ	TO-15	
MSQ234-IC234	Q4453.D	08/30/07 21:18	DFT	5	GCMSQ	TO-15	
MSQ234-IC234	Q4454.D	08/30/07 22:01	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	13.15	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	0.676	0.616-0.736
Methylene chloride	6.53	8.63	0.757	ok	0.757	0.697-0.817
Methyl ethyl ketone	8.03	8.63	0.930	ok	0.931	0.871-0.991
Methyl Isobutyl Ketone	11.98	10.45	1.146	ok	1.145	1.085-1.205
Methyl Tert Butyl Ether	7.71	8.63	0.893	ok	0.893	0.833-0.953
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	10.45	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	1.067	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	10.45	1.236	ok	1.236	1.176-1.296
Trichloroethylene	11.14	10.45	1.066	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	7.78	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	15.81	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	283434	ok	254058	152435-355681
1,4-Difluorobenzene	10.45	ok	10.46	10.13-10.79	1358609	ok	1155901	693541-1618261
Chlorobenzene-D5	14.70	ok	14.70	14.37-15.03	1104183	ok	945978	567587-1324369

Volatile Surrogate Recovery Summary

Job Number: M67318
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
M67318-1	Q4429.D	96.0
M67318-2	Q4460.D	85.0
M67317-1DUP	Q4420.D	96.0
M67317-4DUP	Q4459.D	83.0
MSQ230-SCC	Q4356.D	59.0
MSQ230-SCC	Q4359.D	68.0
MSQ233-BS	Q4416A.D	106.0
MSQ233-MB	Q4418.D	79.0
MSQ234-BS	Q4455B.D	101.0
MSQ234-MB	Q4457.D	74.0
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: M67318
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: M67318 **Sample:** MSQ230-ICC230
Account: GEI GEI Consultants, Inc. **Lab FileID:** Q4338.D
Project: GEI Tufts Street Somerville MA

```
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: M67318
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: M67318
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: M67318
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: M67318
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: M67318
Account: GEI GEI Consultants, Inc.
Project: GEI Tufts Street Somerville MA

Sample: MSQ230-CC230
Lab FileID: Q4342A.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 16:14:29 2007 RPT1

Initial Calibration Verification

Job Number: M67318
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: M67318
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: M67318
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: M67318
Account: GEI GEI Consultants, Inc.
Project: GEI Tufts Street Somerville MA

Sample: MSQ232-ICC232
Lab FileID: Q4400.D

Response Factor Report MAMSQ

Method : C:\msdchem\1\METHODS\Q082707T.m (RTE Integrator)
Title : TO15 by GCMS w/DB-1 60 m X .25 mm ID 1.0 um
Last Update : Mon Aug 27 15:05:38 2007
Response via : Initial Calibration

Calibration Files
.2 =Q4397.D .5 =Q4396.D 2 =Q4402.D
5 =Q4401.D 10 =Q4400.D 20 =Q4403.D 40 =Q4398.D

Compound	.2	.5	2	5	10	20	40	Avg	%RSD
1) I BROMOCHLOROMETHANE	----------ISTD----------								
2)m DICHLORODIFLUOROM	5.028	4.422	6.085	4.443	3.937	3.723	3.845	4.498	18.49
3)m PROPYLENE	0.709	0.809	1.031	0.766	0.678	0.638	0.642	0.753	18.25
4)m FREON 114	4.753	4.179	5.875	4.204	3.745	3.425	3.603	4.255	19.79
5)m CHLOROMETHANE	1.011	0.971	1.257	0.958	0.862	0.782	0.816	0.951	16.77
6)m VINYL CHLORIDE	1.214	1.101	1.566	1.193	1.085	0.980	1.011	1.164	16.92
7)m 1,3-BUTADIENE	0.888	0.856	1.067	0.772	0.714	0.677	0.714	0.813	16.79
8)m BROMOMETHANE	1.395	1.349	1.944	1.366	1.268	1.199	1.233	1.393	18.19
9)m CHLOROETHANE	0.450	0.491	0.575	0.442	0.458	0.463	0.460	0.477	9.60
10)m TRICHLOROFLUOROME	4.970	4.404	5.869	4.068	3.775	3.674	3.848	4.373	18.22
11)m ISOPROPYL ALCOHOL	1.178	1.387	1.433	1.146	1.173	1.332	1.275	1.275	8.90
12)m ACETONE	1.756	2.426	1.327	1.031	1.080	1.222	1.202	1.435	34.68
----- Quadratic regression ----- Coefficient = 0.9987									
Response Ratio = 0.00944 + 1.14329 *A + 0.01495 *A^2									
13)m PENTANE	1.131	0.999	1.209	0.838	0.806	0.802	0.816	0.943	18.12
14)m 1,1-DICHLOROETHYL	1.298	1.154	1.638	1.141	1.105	1.114	1.143	1.227	15.64
15)m CARBON DISULFIDE	3.489	3.090	4.355	3.231	3.014	2.964	3.008	3.307	15.00
16)m ETHANOL	0.224	0.097	0.331	0.263	0.267	0.292	0.281	0.251	29.96
----- Quadratic regression ----- Coefficient = 0.9992									
Response Ratio = -0.00585 + 0.29306 *A + -0.00261 *A^2									
17)m BROMOETHENE	1.206	1.268	1.794	1.267	1.211	1.171	1.211	1.304	16.77
18)m METHYLENE CHLORID	3.495	2.891	1.201	0.919	0.974	1.050	1.042	1.653	64.70
----- Quadratic regression ----- Coefficient = 0.9990									
Response Ratio = 0.04302 + 0.96050 *A + 0.01850 *A^2									
19)m 3-CHLOROPROPENE	0.771	0.419	0.777	0.654	0.755	0.851	0.905	0.733	21.74
20)m FREON 113	2.895	2.794	2.849	2.106	2.200	2.331	2.402	2.511	13.08
21)m TRANS-1,2-DICHLOR	1.173	1.033	1.268	0.989	1.020	1.099	1.120	1.100	8.87
22)m TERTIARY BUTYL AL	1.344	1.597	2.052	1.615	1.700	1.923	1.829	1.723	13.64
23)m METHYL TERTIARY B	1.734	1.803	2.383	1.906	2.055	2.399	2.390	2.096	13.98
24)m TETRAHYDROFURAN	0.399	0.469	0.712	0.623	0.678	0.783	0.769	0.633	23.32
25)m HEXANE	1.798	1.872	1.537	1.185	1.251	1.362	1.335	1.477	18.17
26)m VINYL ACETATE	1.182	1.276	1.443	1.215	1.345	1.561	1.690	1.388	13.52
27)m 1,1-DICHLOROETHAN	1.524	1.744	1.711	1.436	1.625	1.806	1.935	1.683	10.08
28)m METHYL ETHYL KETO	1.206	1.504	1.569	1.305	1.422	1.652	1.580	1.463	11.00
29)m cis-1,2-DICHLOROE	0.694	0.841	1.018	0.837	0.986	1.130	1.167	0.953	17.94
30)m ETHYL ACETATE	2.328	2.449	2.497	2.025	2.122	2.403	2.304	2.304	7.51
31)m CHLOROFORM	2.297	2.461	2.562	2.107	2.382	2.693	2.703	2.458	8.81
32)m 1,1,1-TRICHLOROET	2.302	2.365	2.534	2.072	2.335	2.678	2.805	2.442	10.17
33)m CARBON TETRACHLOR	2.961	2.839	3.292	2.613	2.784	3.136	3.197	2.974	8.25
34)m 1,2-DICHLOROETHAN	1.148	1.239	1.363	1.112	1.332	1.524	1.656	1.339	14.72
35) I 1,4-DIFLUOROBENZENE	----------ISTD----------								
36)m BENZENE	0.398	0.470	0.526	0.450	0.532	0.617	0.662	0.522	17.82

Initial Calibration Summary

Job Number: M67318 **Sample:** MSQ232-ICC232
Account: GEI GEI Consultants, Inc. **Lab FileID:** Q4400.D
Project: GEI Tufts Street Somerville MA

```
37)m CYCLOHEXANE       0.186 0.203 0.294 0.237 0.247 0.278 0.273 0.245  16.26
38)m TRICHLOROETHYLENE 0.251 0.283 0.318 0.260 0.294 0.342 0.349 0.299  12.84
39)m 1,2-DICHLOROPROPA 0.146 0.172 0.190 0.153 0.177 0.204 0.217 0.180  14.25
40)m BROMODICHLOROMETH 0.427 0.465 0.511 0.442 0.502 0.585 0.617 0.507  14.12
41)m 2,2,4-TRIMETHYLPE 0.620 0.754 0.898 0.750 0.849 0.969 0.951 0.828  15.21
42)m 1,4-DIOXANE       0.061 0.079 0.120 0.096 0.108 0.126 0.120 0.101  23.71
43)m HEPTANE           0.210 0.236 0.299 0.259 0.292 0.338 0.330 0.281  16.99
44)m METHYL ISOBUTYL K 0.214 0.274 0.391 0.323 0.352 0.421 0.401 0.339  21.98
45)m cis-1,3-DICHLOROP 0.162 0.169 0.256 0.221 0.263 0.311 0.341 0.246  27.42
46)m TOLUENE           0.302 0.377 0.373 0.312 0.354 0.423 0.475 0.374  16.21
47)m trans-1,3-DICHLOR 0.111 0.133 0.214 0.194 0.227 0.277 0.313 0.210  34.44
         ----- Quadratic regression -----  Coefficient =  0.9994
              Response Ratio = -0.00909 + 0.22990 *A + 0.02158 *A^2

48)m 1,1,2-TRICHLOROET 0.134 0.161 0.199 0.164 0.188 0.216 0.235 0.185  18.74

49) I   CHLOROBENZENE-D5      ----------------ISTD--------------------
50)m 2-HEXANONE        0.218 0.272 0.482 0.407 0.450 0.569 0.548 0.421  31.66
         ----- Quadratic regression -----  Coefficient =  0.9970
              Response Ratio = -0.02956 + 0.54480 *A + 0.00345 *A^2

51)m TETRACHLOROETHYLE 0.423 0.446 0.510 0.423 0.477 0.565 0.584 0.490  13.41
52)m DIBROMOCHLOROMETH 0.565 0.604 0.763 0.627 0.742 0.889 0.947 0.734  19.83
53)m 1,2-DIBROMOETHANE 0.345 0.369 0.528 0.434 0.485 0.579 0.619 0.480  21.53
54)m CHLOROBENZENE     0.528 0.576 0.806 0.642 0.722 0.851 0.933 0.723  20.63
55)m ETHYLBENZENE      0.605 0.740 1.197 1.035 1.166 1.378 1.507 1.090  29.84
56)m m,p-XYLENE        0.216 0.273 0.471 0.395 0.442 0.526 0.575 0.414  31.52
         ----- Quadratic regression -----  Coefficient =  0.9993
              Response Ratio = -0.02846 + 0.45676 *A + 0.01538 *A^2

57)m o-XYLENE          0.215 0.274 0.480 0.407 0.450 0.535 0.577 0.420  31.59
         ----- Quadratic regression -----  Coefficient =  0.9993
              Response Ratio = -0.01494 + 0.47058 *A + 0.02785 *A^2

58)m STYRENE           0.149 0.224 0.553 0.508 0.594 0.719 0.799 0.507  47.57
         ----- Quadratic regression -----  Coefficient =  0.9993
              Response Ratio = -0.02846 + 0.61451 *A + 0.04850 *A^2

59)m NONANE            0.265 0.380 0.605 0.513 0.569 0.674 0.687 0.528  29.55
60)m BROMOFORM         0.404 0.465 0.677 0.579 0.668 0.821 0.914 0.647  28.20
         ----- Quadratic regression -----  Coefficient =  0.9991
              Response Ratio = -0.02513 + 0.68904 *A + 0.05849 *A^2

61)S 4-BROMOFLUOROBENZ 0.376 0.379 0.412 0.432 0.446 0.458 0.473 0.425   8.93
62)m 1,1,2,2-TETRACHLO 0.515 0.557 0.757 0.616 0.668 0.796 0.789 0.671  16.91
63)m ISOPROPYLBENZENE  0.774 0.857 1.459 1.225 1.347 1.617 1.723 1.286  28.09
64)m 2-CHLOROTOLUENE   0.426 0.531 1.015 0.879 0.972 1.175 1.288 0.898  35.39
         ----- Quadratic regression -----  Coefficient =  0.9993
              Response Ratio = -0.03522 + 1.01296 *A + 0.07181 *A^2

65)m 4-ETHYLTOLUENE    0.430 0.566 1.218 1.078 1.219 1.501 1.577 1.084  40.38
         ----- Quadratic regression -----  Coefficient =  0.9987
              Response Ratio = -0.06520 + 1.34645 *A + 0.06312 *A^2

66)m 1,3,5-TRIMETHYLBE 0.490 0.636 1.157 1.009 1.104 1.346 1.393 1.019  33.50
         ----- Quadratic regression -----  Coefficient =  0.9987
              Response Ratio = -0.05163 + 1.22546 *A + 0.04618 *A^2

67)m 1,2,4-TRIMETHYLBE 0.363 0.523 1.014 0.888 1.009 1.244 1.292 0.905  38.47
         ----- Quadratic regression -----  Coefficient =  0.9985
```

Initial Calibration Summary

Job Number: M67318
Account: GEI GEI Consultants, Inc.
Project: GEI Tufts Street Somerville MA

Sample: MSQ232-ICC232
Lab FileID: Q4400.D

```
                Response Ratio = -0.05516 + 1.12593 *A + 0.04618 *A^2

68)m m-DICHLOROBENZENE 0.144 0.237 0.592 0.499 0.555 0.688 0.760 0.496  45.80
          ----- Quadratic regression -----  Coefficient =  0.9991
                Response Ratio = -0.02320 + 0.58371 *A + 0.04605 *A^2

69)m BENZYL CHLORIDE   0.096 0.175 0.480 0.437 0.521 0.687 0.740 0.448  53.70
          ----- Quadratic regression -----  Coefficient =  0.9981
                Response Ratio = -0.03854 + 0.58969 *A + 0.04070 *A^2

70)m p-DICHLOROBENZENE 0.147 0.190 0.552 0.456 0.501 0.618 0.673 0.448  45.61
          ----- Quadratic regression -----  Coefficient =  0.9990
                Response Ratio = -0.02082 + 0.53380 *A + 0.03668 *A^2

71)m o-DICHLOROBENZENE 0.253 0.303 0.591 0.495 0.550 0.678 0.738 0.515  35.17
          ----- Quadratic regression -----  Coefficient =  0.9990
                Response Ratio = -0.02177 + 0.58325 *A + 0.04054 *A^2

72)m HEXACHLOROBUTADIE 0.622 0.583 0.391 0.308 0.321 0.308       0.422  33.98
          ----- Quadratic regression -----  Coefficient =  0.9993
                Response Ratio = 0.01028 + 0.30918 *A + -0.00311 *A^2

73)m 1,2,4-TRICHLOROBE       0.040 0.112 0.091 0.117 0.116 0.087 0.094  31.52
          ----- Quadratic regression -----  Coefficient =  0.9970
                Response Ratio = -0.01091 + 0.14540 *A + -0.01387 *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

          Q082707T.m        Tue Aug 28 11:45:04 2007   RPT1
```

Continuing Calibration Summary

Job Number: M67318
Account: GEI GEI Consultants, Inc.
Project: GEI Tufts Street Somerville MA

Sample: MSQ232-CC232
Lab FileID: Q4404A.D

Evaluate Continuing Calibration Report

Data File : C:\msdchem\1\DATA\Q4404a.D Vial: 3
Acq On : 27 Aug 2007 3:23 pm Operator: danat
Sample : cc232-10 (M055) Inst : MAMSQ
Misc : MS14080, MSQ232,,,,,1 Multiplr: 1.00
MS Integration Params: LSCINT.P

Method : C:\msdchem\1\METHODS\Q082707T.m (RTE Integrator)
Title : TO15 by GCMS w/DB-1 60 m X .25 mm ID 1.0 um
Last Update : Mon Aug 27 15:05:38 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	99	0.00	8.42- 8.84
2	m	DICHLORODIFLUOROMETHAN	4.498	4.427	1.6	111	0.00	3.83- 4.24
3	m	PROPYLENE	0.753	0.757	-0.5	110	0.00	3.76- 4.17
4	m	FREON 114	4.255	4.274	-0.4	113	0.00	4.09- 4.50
5	m	CHLOROMETHANE	0.951	0.972	-2.2	111	0.00	3.99- 4.40
6	m	VINYL CHLORIDE	1.164	1.226	-5.3	111	0.00	4.21- 4.63
7	m	1,3-BUTADIENE	0.813	0.817	-0.5	113	0.00	4.35- 4.76
8	m	BROMOMETHANE	1.393	1.436	-3.1	112	0.00	4.63- 5.04
9	m	CHLOROETHANE	0.477	0.513	-7.5	111	0.00	4.80- 5.22
10	m	TRICHLOROFLUOROMETHANE	4.373	4.321	1.2	113	0.00	5.58- 5.99
11	m	ISOPROPYL ALCOHOL	1.275	1.308	-2.6	110	0.00	5.58- 6.06
		----------	True	Calc.	% Drift		----------	
12	m	ACETONE	10.000	9.726	2.7	104	0.00	5.39- 5.80
		----------	AvgRF	CCRF	% Dev		----------	
13	m	PENTANE	0.943	0.892	5.4	109	0.00	5.99- 6.30
14	m	1,1-DICHLOROETHYLENE	1.227	1.248	-1.7	111	0.00	6.21- 6.63
15	m	CARBON DISULFIDE	3.307	3.349	-1.3	110	0.00	6.65- 7.06
		----------	True	Calc.	% Drift		----------	
16	m	ETHANOL	10.000	9.710	2.9	102	0.00	4.86- 5.32
		----------	AvgRF	CCRF	% Dev		----------	
17	m	BROMOETHENE	1.304	1.377	-5.6	112	0.00	5.16- 5.57
		----------	True	Calc.	% Drift		----------	
18	m	METHYLENE CHLORIDE	10.000	9.852	1.5	102	0.00	6.39- 6.69
		----------	AvgRF	CCRF	% Dev		----------	
19	m	3-CHLOROPROPENE	0.733	0.854	-16.5	112	0.00	6.45- 6.86
20	m	FREON 113	2.511	2.463	1.9	110	0.00	6.59- 7.00
21	m	TRANS-1,2-DICHLOROETHY	1.100	1.143	-3.9	111	0.00	7.26- 7.67
22	m	TERTIARY BUTYL ALCOHOL	1.723	1.870	-8.5	109	0.00	6.17- 6.69
23	m	METHYL TERTIARY BUTYL	2.096	2.226	-6.2	107	0.00	7.50- 7.91
24	m	TETRAHYDROFURAN	0.633	0.740	-16.9	108	0.00	8.99- 9.28
25	m	HEXANE	1.477	1.355	8.3	107	0.00	8.46- 8.87
26	m	VINYL ACETATE	1.388	1.435	-3.4	105	0.00	7.61- 7.96
27	m	1,1-DICHLOROETHANE	1.683	1.814	-7.8	110	0.00	7.45- 7.87
28	m	METHYL ETHYL KETONE	1.463	1.519	-3.8	105	0.00	7.78- 8.27
29	m	cis-1,2-DICHLOROETHYLE	0.953	1.109	-16.4	111	0.00	8.26- 8.67
30	m	ETHYL ACETATE	2.304	2.298	0.3	107	0.00	8.45- 8.87

Continuing Calibration Summary

Job Number: M67318
Account: GEI GEI Consultants, Inc.
Project: GEI Tufts Street Somerville MA

Sample: MSQ232-CC232
Lab FileID: Q4404A.D

31	m	CHLOROFORM	2.458	2.647	-7.7	110	0.00	8.54- 8.96
32	m	1,1,1-TRICHLOROETHANE	2.442	2.643	-8.2	112	0.00	9.50- 9.91
33	m	CARBON TETRACHLORIDE	2.974	3.146	-5.8	111	0.00	10.08-10.49
34	m	1,2-DICHLOROETHANE	1.339	1.466	-9.5	109	0.00	9.25- 9.66
35	I	1,4-DIFLUOROBENZENE	1.000	1.000	0.0	99	0.00	10.25-10.66
36	m	BENZENE	0.522	0.591	-13.2	110	0.00	9.94-10.35
37	m	CYCLOHEXANE	0.245	0.277	-13.1	112	0.00	10.20-10.61
38	m	TRICHLOROETHYLENE	0.299	0.322	-7.7	109	0.00	10.98-11.29
39	m	1,2-DICHLOROPROPANE	0.180	0.196	-8.9	110	0.00	10.71-11.12
40	m	BROMODICHLOROMETHANE	0.507	0.557	-9.9	110	0.00	10.95-11.26
41	m	2,2,4-TRIMETHYLPENTANE	0.828	0.944	-14.0	111	0.00	10.96-11.37
42	m	1,4-DIOXANE	0.101	0.112	-10.9	103	0.00	10.87-11.39
43	m	HEPTANE	0.281	0.330	-17.4	113	0.00	11.25-11.56
44	m	METHYL ISOBUTYL KETONE	0.339	0.376	-10.9	106	0.00	11.76-12.19
45	m	cis-1,3-DICHLOROPROPEN	0.246	0.281	-14.2	106	0.00	11.75-12.16
46	m	TOLUENE	0.374	0.378	-1.1	106	0.00	12.71-13.12
		----------	True	Calc.	% Drift		----------	
47	m	trans-1,3-DICHLOROPROP	10.000	9.777	2.2	104	0.00	12.30-12.61
		----------	AvgRF	CCRF	% Dev		----------	
48	m	1,1,2-TRICHLOROETHANE	0.185	0.205	-10.8	108	0.00	12.46-12.82
49	I	CHLOROBENZENE-D5	1.000	1.000	0.0	99	0.00	14.54-14.85
		----------	True	Calc.	% Drift		----------	
50	m	2-HEXANONE	10.000	9.095	9.0	103	0.00	12.94-13.34
		----------	AvgRF	CCRF	% Dev		----------	
51	m	TETRACHLOROETHYLENE	0.490	0.527	-7.6	109	0.00	13.84-14.25
52	m	DIBROMOCHLOROMETHANE	0.734	0.814	-10.9	109	0.00	13.16-13.52
53	m	1,2-DIBROMOETHANE	0.480	0.512	-6.7	105	0.00	13.44-13.75
54	m	CHLOROBENZENE	0.723	0.773	-6.9	106	0.00	14.59-14.90
55	m	ETHYLBENZENE	1.090	1.258	-15.4	107	0.00	14.94-15.30
		----------	True	Calc.	% Drift		----------	
56	m	m,p-XYLENE	20.000	19.995	0.0	106	0.00	15.14-15.50
57	m	o-XYLENE	10.000	10.065	-0.6	107	0.00	15.64-16.00
58	m	STYRENE	10.000	9.401	6.0	99	0.00	15.54-15.85
		----------	AvgRF	CCRF	% Dev		----------	
59	m	NONANE	0.528	0.620	-17.4	108	0.00	15.86-16.17
		----------	True	Calc.	% Drift		----------	
60	m	BROMOFORM	10.000	10.061	-0.6	108	0.00	15.26-15.57
		----------	AvgRF	CCRF	% Dev		----------	
61	S	4-BROMOFLUOROBENZENE	0.425	0.440	-3.5	98	0.00	16.16-16.47
62	m	1,1,2,2-TETRACHLOROETH	0.671	0.743	-10.7	110	0.00	15.65-15.96
63	m	ISOPROPYLBENZENE	1.286	1.468	-14.2	108	0.00	16.31-16.62
		----------	True	Calc.	% Drift		----------	
64	m	2-CHLOROTOLUENE	10.000	10.006	-0.1	107	0.00	16.81-17.22
65	m	4-ETHYLTOLUENE	10.000	9.631	3.7	105	0.00	17.07-17.34
66	m	1,3,5-TRIMETHYLBENZENE	10.000	9.890	1.1	108	0.00	17.16-17.42
67	m	1,2,4-TRIMETHYLBENZENE	10.000	9.675	3.2	106	0.00	17.60-17.91
68	m	m-DICHLOROBENZENE	10.000	9.066	9.3	97	0.00	17.77-18.10
69	m	BENZYL CHLORIDE	10.000	8.329	16.7	91	0.00	17.76-18.07
70	m	p-DICHLOROBENZENE	10.000	8.523	14.8	91	0.00	17.89-18.13

Continuing Calibration Summary

Job Number: M67318
Account: GEI GEI Consultants, Inc.
Project: GEI Tufts Street Somerville MA

Sample: MSQ232-CC232
Lab FileID: Q4404A.D

71	m	o-DICHLOROBENZENE	10.000	9.557	4.4	103	0.00	18.24-18.55
72	m	HEXACHLOROBUTADIENE	10.000	13.331	-33.3#	128	0.00	20.58-21.00
73	m	1,2,4-TRICHLOROBENZENE	10.000	9.306	6.9	95	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
Q4400.D Q082707T.m Wed Aug 29 18:06:12 2007 RPT1

Initial Calibration Verification

Job Number: M67318
Account: GEI GEI Consultants, Inc.
Project: GEI Tufts Street Somerville MA

Sample: MSQ232-ICV232
Lab FileID: Q4404.D

Evaluate Continuing Calibration Report

Data File : C:\msdchem\1\DATA\Q4404.D Vial: 3
Acq On : 27 Aug 2007 3:23 pm Operator: danat
Sample : icv232-10 (M055) Inst : MAMSQ
Misc : MS14080, MSQ232,,,,,1 Multiplr: 1.00
MS Integration Params: LSCINT.P

Method : C:\msdchem\1\METHODS\Q082707T.m (RTE Integrator)
Title : TO15 by GCMS w/DB-1 60 m X .25 mm ID 1.0 um
Last Update : Mon Aug 27 15:05:38 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	99	0.00	8.42- 8.84
2	m	DICHLORODIFLUOROMETHAN	4.498	4.427	1.6	111	0.00	3.83- 4.24
3	m	PROPYLENE	0.753	0.757	-0.5	110	0.00	3.76- 4.17
4	m	FREON 114	4.255	4.274	-0.4	113	0.00	4.09- 4.50
5	m	CHLOROMETHANE	0.951	0.972	-2.2	111	0.00	3.99- 4.40
6	m	VINYL CHLORIDE	1.164	1.226	-5.3	111	0.00	4.21- 4.63
7	m	1,3-BUTADIENE	0.813	0.817	-0.5	113	0.00	4.35- 4.76
8	m	BROMOMETHANE	1.393	1.436	-3.1	112	0.00	4.63- 5.04
9	m	CHLOROETHANE	0.477	0.513	-7.5	111	0.00	4.80- 5.22
10	m	TRICHLOROFLUOROMETHANE	4.373	4.321	1.2	113	0.00	5.58- 5.99
11	m	ISOPROPYL ALCOHOL	1.275	1.308	-2.6	110	0.00	5.58- 6.06
		----------	True	Calc.	% Drift	----------		
12	m	ACETONE	10.000	9.726	2.7	104	0.00	5.39- 5.80
		----------	AvgRF	CCRF	% Dev	----------		
13	m	PENTANE	0.943	0.892	5.4	109	0.00	5.99- 6.30
14	m	1,1-DICHLOROETHYLENE	1.227	1.248	-1.7	111	0.00	6.21- 6.63
15	m	CARBON DISULFIDE	3.307	3.349	-1.3	110	0.00	6.65- 7.06
		----------	True	Calc.	% Drift	----------		
16	m	ETHANOL	10.000	9.710	2.9	102	0.00	4.86- 5.32
		----------	AvgRF	CCRF	% Dev	----------		
17	m	BROMOETHENE	1.304	1.377	-5.6	112	0.00	5.16- 5.57
		----------	True	Calc.	% Drift	----------		
18	m	METHYLENE CHLORIDE	10.000	9.852	1.5	102	0.00	6.39- 6.69
		----------	AvgRF	CCRF	% Dev	----------		
19	m	3-CHLOROPROPENE	0.733	0.854	-16.5	112	0.00	6.45- 6.86
20	m	FREON 113	2.511	2.463	1.9	110	0.00	6.59- 7.00
21	m	TRANS-1,2-DICHLOROETHY	1.100	1.143	-3.9	111	0.00	7.26- 7.67
22	m	TERTIARY BUTYL ALCOHOL	1.723	1.870	-8.5	109	0.00	6.17- 6.69
23	m	METHYL TERTIARY BUTYL	2.096	2.226	-6.2	107	0.00	7.50- 7.91
24	m	TETRAHYDROFURAN	0.633	0.740	-16.9	108	0.00	8.99- 9.28
25	m	HEXANE	1.477	1.355	8.3	107	0.00	8.46- 8.87
26	m	VINYL ACETATE	1.388	1.435	-3.4	105	0.00	7.61- 7.96
27	m	1,1-DICHLOROETHANE	1.683	1.814	-7.8	110	0.00	7.45- 7.87
28	m	METHYL ETHYL KETONE	1.463	1.519	-3.8	105	0.00	7.78- 8.27
29	m	cis-1,2-DICHLOROETHYLE	0.953	1.109	-16.4	111	0.00	8.26- 8.67
30	m	ETHYL ACETATE	2.304	2.298	0.3	107	0.00	8.45- 8.87

Initial Calibration Verification

Job Number: M67318
Account: GEI GEI Consultants, Inc.
Project: GEI Tufts Street Somerville MA

Sample: MSQ232-ICV232
Lab FileID: Q4404.D

31	m	CHLOROFORM	2.458	2.647	-7.7	110	0.00	8.54- 8.96
32	m	1,1,1-TRICHLOROETHANE	2.442	2.643	-8.2	112	0.00	9.50- 9.91
33	m	CARBON TETRACHLORIDE	2.974	3.146	-5.8	111	0.00	10.08-10.49
34	m	1,2-DICHLOROETHANE	1.339	1.466	-9.5	109	0.00	9.25- 9.66
35	I	1,4-DIFLUOROBENZENE	1.000	1.000	0.0	99	0.00	10.25-10.66
36	m	BENZENE	0.522	0.591	-13.2	110	0.00	9.94-10.35
37	m	CYCLOHEXANE	0.245	0.277	-13.1	112	0.00	10.20-10.61
38	m	TRICHLOROETHYLENE	0.299	0.322	-7.7	109	0.00	10.98-11.29
39	m	1,2-DICHLOROPROPANE	0.180	0.196	-8.9	110	0.00	10.71-11.12
40	m	BROMODICHLOROMETHANE	0.507	0.557	-9.9	110	0.00	10.95-11.26
41	m	2,2,4-TRIMETHYLPENTANE	0.828	0.944	-14.0	111	0.00	10.96-11.37
42	m	1,4-DIOXANE	0.101	0.112	-10.9	103	0.00	10.87-11.39
43	m	HEPTANE	0.281	0.330	-17.4	113	0.00	11.25-11.56
44	m	METHYL ISOBUTYL KETONE	0.339	0.376	-10.9	106	0.00	11.76-12.19
45	m	cis-1,3-DICHLOROPROPEN	0.246	0.281	-14.2	106	0.00	11.75-12.16
46	m	TOLUENE	0.374	0.378	-1.1	106	0.00	12.71-13.12
			True	Calc.	% Drift			
47	m	trans-1,3-DICHLOROPROP	10.000	9.777	2.2	104	0.00	12.30-12.61
			AvgRF	CCRF	% Dev			
48	m	1,1,2-TRICHLOROETHANE	0.185	0.205	-10.8	108	0.00	12.46-12.82
49	I	CHLOROBENZENE-D5	1.000	1.000	0.0	99	0.00	14.54-14.85
			True	Calc.	% Drift			
50	m	2-HEXANONE	10.000	9.095	9.0	103	0.00	12.94-13.34
			AvgRF	CCRF	% Dev			
51	m	TETRACHLOROETHYLENE	0.490	0.527	-7.6	109	0.00	13.84-14.25
52	m	DIBROMOCHLOROMETHANE	0.734	0.814	-10.9	109	0.00	13.16-13.52
53	m	1,2-DIBROMOETHANE	0.480	0.512	-6.7	105	0.00	13.44-13.75
54	m	CHLOROBENZENE	0.723	0.773	-6.9	106	0.00	14.59-14.90
55	m	ETHYLBENZENE	1.090	1.258	-15.4	107	0.00	14.94-15.30
			True	Calc.	% Drift			
56	m	m,p-XYLENE	20.000	19.995	0.0	106	0.00	15.14-15.50
57	m	o-XYLENE	10.000	10.065	-0.6	107	0.00	15.64-16.00
58	m	STYRENE	10.000	9.401	6.0	99	0.00	15.54-15.85
			AvgRF	CCRF	% Dev			
59	m	NONANE	0.528	0.620	-17.4	108	0.00	15.86-16.17
			True	Calc.	% Drift			
60	m	BROMOFORM	10.000	10.111	-1.1	109	0.00	15.26-15.57
			AvgRF	CCRF	% Dev			
61	S	4-BROMOFLUOROBENZENE	0.425	0.440	-3.5	98	0.00	16.16-16.47
62	m	1,1,2,2-TETRACHLOROETH	0.671	0.743	-10.7	110	0.00	15.65-15.96
63	m	ISOPROPYLBENZENE	1.286	1.468	-14.2	108	0.00	16.31-16.62
			True	Calc.	% Drift			
64	m	2-CHLOROTOLUENE	10.000	10.006	-0.1	107	0.00	16.81-17.22
65	m	4-ETHYLTOLUENE	10.000	9.631	3.7	105	0.00	17.07-17.34
66	m	1,3,5-TRIMETHYLBENZENE	10.000	9.890	1.1	108	0.00	17.16-17.42
67	m	1,2,4-TRIMETHYLBENZENE	10.000	9.675	3.2	106	0.00	17.60-17.91
68	m	m-DICHLOROBENZENE	10.000	9.066	9.3	97	0.00	17.77-18.10
69	m	BENZYL CHLORIDE	10.000	8.329	16.7	91	0.00	17.76-18.07
70	m	p-DICHLOROBENZENE	10.000	8.523	14.8	91	0.00	17.89-18.13

Initial Calibration Verification

Job Number: M67318
Account: GEI GEI Consultants, Inc.
Project: GEI Tufts Street Somerville MA

Sample: MSQ232-ICV232
Lab FileID: Q4404.D

71	m	o-DICHLOROBENZENE	10.000	9.557	4.4	103	0.00	18.24-18.55
72	m	HEXACHLOROBUTADIENE	10.000	13.331	-33.3#	128	0.00	20.58-21.00
73	m	1,2,4-TRICHLOROBENZENE	10.000	9.306	6.9	95	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
Q4400.D Q082707T.m Wed Aug 29 18:05:44 2007 RPT1

Continuing Calibration Summary

Job Number: M67318
Account: GEI GEI Consultants, Inc.
Project: GEI Tufts Street Somerville MA

Sample: MSQ233-CC232
Lab FileID: Q4416.D

Evaluate Continuing Calibration Report

```
Data File : C:\msdchem\1\DATA\Q4416.D                    Vial: 3
Acq On    : 28 Aug 2007   4:05 pm                    Operator: danat
Sample    : cc232-10 (M055)                          Inst    : MAMSQ
Misc      : MS14080, MSQ233,,,,,1                    Multiplr: 1.00
MS Integration Params: LSCINT.P

Method       : C:\msdchem\1\METHODS\Q082707T.m (RTE Integrator)
Title        :  TO15  by GCMS w/DB-1 60 m X .25 mm ID 1.0 um
Last Update  : Mon Aug 27 15:05:38 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	89	0.00	8.42- 8.83
2	m	DICHLORODIFLUOROMETHAN	4.498	4.525	-0.6	103	0.00	3.83- 4.24
3	m	PROPYLENE	0.753	0.761	-1.1	100	0.00	3.76- 4.17
4	m	FREON 114	4.255	4.241	0.3	101	0.00	4.09- 4.50
5	m	CHLOROMETHANE	0.951	0.999	-5.0	103	0.00	4.00- 4.41
6	m	VINYL CHLORIDE	1.164	1.203	-3.4	99	0.00	4.21- 4.63
7	m	1,3-BUTADIENE	0.813	0.843	-3.7	105	0.00	4.35- 4.76
8	m	BROMOMETHANE	1.393	1.430	-2.7	101	0.00	4.63- 5.04
9	m	CHLOROETHANE	0.477	0.538	-12.8	105	0.00	4.80- 5.21
10	m	TRICHLOROFLUOROMETHANE	4.373	4.355	0.4	103	0.00	5.58- 5.99
11	m	ISOPROPYL ALCOHOL	1.275	1.299	-1.9	99	0.00	5.58- 6.06
		----------	True	Calc.	% Drift		----------	
12	m	ACETONE	10.000	10.430	-4.3	101	0.00	5.39- 5.80
		----------	AvgRF	CCRF	% Dev		----------	
13	m	PENTANE	0.943	0.944	-0.1	104	0.00	5.98- 6.29
14	m	1,1-DICHLOROETHYLENE	1.227	1.248	-1.7	101	0.00	6.21- 6.63
15	m	CARBON DISULFIDE	3.307	3.526	-6.6	104	0.00	6.65- 7.06
		----------	True	Calc.	% Drift		----------	
16	m	ETHANOL	10.000	10.026	-0.3	95	0.00	4.86- 5.33
		----------	AvgRF	CCRF	% Dev		----------	
17	m	BROMOETHENE	1.304	1.313	-0.7	97	0.00	5.16- 5.57
		----------	True	Calc.	% Drift		----------	
18	m	METHYLENE CHLORIDE	10.000	10.820	-8.2	101	0.00	6.39- 6.69
		----------	AvgRF	CCRF	% Dev		----------	
19	m	3-CHLOROPROPENE	0.733	0.899	-22.6	106	0.00	6.45- 6.86
20	m	FREON 113	2.511	2.531	-0.8	103	0.00	6.59- 7.00
21	m	TRANS-1,2-DICHLOROETHY	1.100	1.195	-8.6	105	0.00	7.26- 7.67
22	m	TERTIARY BUTYL ALCOHOL	1.723	1.904	-10.5	100	0.00	6.17- 6.68
23	m	METHYL TERTIARY BUTYL	2.096	2.244	-7.1	97	0.00	7.50- 7.91
24	m	TETRAHYDROFURAN	0.633	0.751	-18.6	99	0.00	8.99- 9.28
25	m	HEXANE	1.477	1.457	1.4	104	0.00	8.46- 8.87
26	m	VINYL ACETATE	1.388	1.481	-6.7	98	0.00	7.61- 7.96
27	m	1,1-DICHLOROETHANE	1.683	1.975	-17.3	108	0.00	7.45- 7.86
28	m	METHYL ETHYL KETONE	1.463	1.559	-6.6	98	0.00	7.78- 8.27
29	m	cis-1,2-DICHLOROETHYLE	0.953	1.088	-14.2	99	0.00	8.26- 8.67
30	m	ETHYL ACETATE	2.304	2.461	-6.8	103	0.00	8.45- 8.87

Continuing Calibration Summary

Job Number: M67318
Account: GEI GEI Consultants, Inc.
Project: GEI Tufts Street Somerville MA

Sample: MSQ233-CC232
Lab FileID: Q4416.D

31	m	CHLOROFORM	2.458	2.788	-13.4	104	0.00	8.54- 8.95
32	m	1,1,1-TRICHLOROETHANE	2.442	2.743	-12.3	105	0.00	9.50- 9.91
33	m	CARBON TETRACHLORIDE	2.974	3.290	-10.6	105	0.00	10.08-10.49
34	m	1,2-DICHLOROETHANE	1.339	1.552	-15.9	104	0.00	9.25- 9.66
35	I	1,4-DIFLUOROBENZENE	1.000	1.000	0.0	90	0.00	10.25-10.66
36	m	BENZENE	0.522	0.601	-15.1	102	0.00	9.94-10.35
37	m	CYCLOHEXANE	0.245	0.285	-16.3	104	0.00	10.20-10.61
38	m	TRICHLOROETHYLENE	0.299	0.343	-14.7	105	0.00	10.98-11.29
39	m	1,2-DICHLOROPROPANE	0.180	0.206	-14.4	105	0.00	10.71-11.12
40	m	BROMODICHLOROMETHANE	0.507	0.573	-13.0	103	0.00	10.95-11.26
41	m	2,2,4-TRIMETHYLPENTANE	0.828	1.031	-24.5	110	0.00	10.96-11.37
42	m	1,4-DIOXANE	0.101	0.115	-13.9	96	0.00	10.87-11.39
43	m	HEPTANE	0.281	0.361	-28.5	112	0.00	11.25-11.56
44	m	METHYL ISOBUTYL KETONE	0.339	0.411	-21.2	105	0.00	11.76-12.19
45	m	cis-1,3-DICHLOROPROPEN	0.246	0.291	-18.3	100	0.00	11.75-12.16
46	m	TOLUENE	0.374	0.383	-2.4	98	0.00	12.71-13.12
		----------	True	Calc.	% Drift		----------	
47	m	trans-1,3-DICHLOROPROP	10.000	9.485	5.2	91	0.00	12.30-12.61
		----------	AvgRF	CCRF	% Dev		----------	
48	m	1,1,2-TRICHLOROETHANE	0.185	0.213	-15.1	102	0.00	12.46-12.82
49	I	CHLOROBENZENE-D5	1.000	1.000	0.0	88	0.00	14.54-14.85
		----------	True	Calc.	% Drift		----------	
50	m	2-HEXANONE	10.000	9.976	0.2	102	0.00	12.94-13.34
		----------	AvgRF	CCRF	% Dev		----------	
51	m	TETRACHLOROETHYLENE	0.490	0.532	-8.6	98	0.00	13.85-14.26
52	m	DIBROMOCHLOROMETHANE	0.734	0.850	-15.8	101	0.00	13.16-13.52
53	m	1,2-DIBROMOETHANE	0.480	0.521	-8.5	95	0.00	13.44-13.75
54	m	CHLOROBENZENE	0.723	0.796	-10.1	97	0.00	14.59-14.90
55	m	ETHYLBENZENE	1.090	1.282	-17.6	97	0.00	14.94-15.31
		----------	True	Calc.	% Drift		----------	
56	m	m,p-XYLENE	20.000	20.894	-4.5	99	0.00	15.14-15.50
57	m	o-XYLENE	10.000	10.537	-5.4	100	0.00	15.63-15.99
58	m	STYRENE	10.000	9.405	6.0	88	0.00	15.54-15.85
		----------	AvgRF	CCRF	% Dev		----------	
59	m	NONANE	0.528	0.708	-34.1#	110	0.00	15.86-16.17
		----------	True	Calc.	% Drift		----------	
60	m	BROMOFORM	10.000	10.238	-2.4	98	0.00	15.26-15.57
		----------	AvgRF	CCRF	% Dev		----------	
61	S	4-BROMOFLUOROBENZENE	0.425	0.449	-5.6	89	0.00	16.16-16.47
62	m	1,1,2,2-TETRACHLOROETH	0.671	0.811	-20.9	107	0.00	15.65-15.96
63	m	ISOPROPYLBENZENE	1.286	1.531	-19.1	100	0.00	16.31-16.62
		----------	True	Calc.	% Drift		----------	
64	m	2-CHLOROTOLUENE	10.000	10.377	-3.8	99	0.00	16.81-17.22
65	m	4-ETHYLTOLUENE	10.000	9.959	0.4	97	0.00	17.07-17.33
66	m	1,3,5-TRIMETHYLBENZENE	10.000	10.373	-3.7	102	0.00	17.16-17.41
67	m	1,2,4-TRIMETHYLBENZENE	10.000	9.996	0.0	98	0.00	17.60-17.91
68	m	m-DICHLOROBENZENE	10.000	8.939	10.6	85	0.00	17.77-18.10
69	m	BENZYL CHLORIDE	10.000	8.298	17.0	81	0.00	17.76-18.07
70	m	p-DICHLOROBENZENE	10.000	8.325	16.8	79	0.00	17.89-18.13

Continuing Calibration Summary

Job Number: M67318
Account: GEI GEI Consultants, Inc.
Project: GEI Tufts Street Somerville MA

Sample: MSQ233-CC232
Lab FileID: Q4416.D

71	m	o-DICHLOROBENZENE	10.000	9.435	5.6	91	0.00	18.24-18.55
72	m	HEXACHLOROBUTADIENE	10.000	12.990	-29.9	112	0.00	20.59-21.00
73	m	1,2,4-TRICHLOROBENZENE	10.000	7.932	20.7	72	0.00	20.09-20.51

			AvgRF	CCRF	% Dev
74	m	NAPHTHALENE			NA
75		2-METHYLNAPHTHALENE			NA
76		1-METHYLNAPHTHALENE			NA

(#) = Out of Range SPCC's out = 0 CCC's out = 0
Q4400.D Q082707T.m Wed Aug 29 14:40:01 2007 RPT1

Initial Calibration Summary

Job Number: M67318
Account: GEI GEI Consultants, Inc.
Project: GEI Tufts Street Somerville MA

Sample: MSQ234-ICC234
Lab FileID: Q4452.D

Response Factor Report MAMSQ

Method : C:\msdchem\1\METHODS\Q083007T.m (RTE Integrator)
Title : TO15 by GCMS w/DB-1 60 m X .25 mm ID 1.0 um
Last Update : Fri Aug 31 09:48:44 2007
Response via : Initial Calibration

Calibration Files
.2 =Q4449.D .5 =Q4448.D 2 =Q4454.D
5 =Q4453.D 10 =Q4452.D 20 =Q4451.D 40 =Q4450.D

Compound	.2	.5	2	5	10	20	40	Avg	%RSD
1) I BROMOCHLOROMETHANE	----------ISTD----------								
2)m DICHLORODIFLUOROM	6.768	4.988	7.269	5.178	4.346	4.126	4.923	5.371	22.21
3)m PROPYLENE	1.288	0.917	1.254	0.946	0.723	0.723	0.896	0.964	23.67
4)m FREON 114	6.319	4.833	5.575	4.423	4.090	4.171	4.783	4.885	16.50
5)m CHLOROMETHANE	1.452	1.178	1.486	1.159	0.953	0.960	1.165	1.193	17.67
6)m VINYL CHLORIDE	1.578	1.355	1.773	1.381	1.485	1.200	1.411	1.455	12.54
7)m 1,3-BUTADIENE	1.039	1.021	1.081	0.905	1.015	0.866	1.036	0.995	7.88
8)m BROMOMETHANE	1.830	1.645	1.952	1.472	1.509	1.357	1.564	1.618	12.90
9)m CHLOROETHANE	0.560	0.668	0.624	0.514	0.628	0.550	0.644	0.598	9.53
10)m TRICHLOROFLUOROME	6.457	5.387	6.286	4.692	4.909	4.309	4.791	5.261	15.66
11)m ISOPROPYL ALCOHOL	2.224	2.280	2.105	1.607	1.922	1.837	1.847	1.975	12.15
12)m ACETONE	3.131	3.068	1.977	1.433	1.707	1.512	1.835	2.095	33.92
----- Quadratic regression ----- Coefficient = 0.9982									
Response Ratio = 0.10285 + 1.25786 *A + 0.13653 *A^2									
13)m PENTANE	1.826	1.498	1.741	1.278	1.373	1.229	1.284	1.461	16.27
14)m 1,1-DICHLOROETHYL	1.893	1.582	1.921	1.422	1.469	1.468	1.480	1.605	13.21
15)m CARBON DISULFIDE	5.674	4.594	5.825	4.403	4.453	4.155	4.162	4.752	14.73
16)m ETHANOL	0.562	0.522	0.488	0.386	0.421	0.376	0.422	0.454	15.63
17)m BROMOETHENE	1.495	1.487	1.804	1.415	1.473	1.395	1.503	1.510	9.00
18)m METHYLENE CHLORID	1.170	0.917	0.184	0.131	0.133	0.137	0.136	0.401	E1 110.96
----- Linear regression (equal Weighting)----- Coefficient = 0.9950									
Response Ratio = 0.15397 + 1.30798 *A									
19)m 3-CHLOROPROPENE	1.155	1.315	1.288	1.024	1.302	1.289	1.364	1.248	9.42
20)m FREON 113	3.958	3.612	3.439	2.551	2.700	2.839	2.848	3.135	16.96
21)m TRANS-1,2-DICHLOR	1.733	1.610	1.720	1.341	1.460	1.545	1.481	1.556	9.19
22)m TERTIARY BUTYL AL	2.267	2.410	2.839	2.147	2.613	2.679	2.174	2.447	10.98
23)m METHYL TERTIARY B	2.449	2.900	3.055	2.366	2.900	3.449	3.404	2.932	14.35
24)m TETRAHYDROFURAN	0.445	0.694	0.909	0.775	1.021	1.202	1.161	0.887	30.44
----- Quadratic regression ----- Coefficient = 0.9975									
Response Ratio = -0.07182 + 1.17731 *A + 0.00166 *A^2									
25)m HEXANE	2.026	2.413	2.081	1.664	1.877	2.074	1.892	2.004	11.57
26)m VINYL ACETATE	2.058	2.021	2.218	1.730	2.227	2.806	2.921	2.283	18.87
27)m 1,1-DICHLOROETHAN	2.491	2.606	2.821	2.131	2.543	2.761	2.759	2.588	9.12
28)m METHYL ETHYL KETO	1.698	2.057	2.093	1.715	2.084	2.482	2.262	2.056	13.62
29)m cis-1,2-DICHLOROE	1.034	1.196	1.324	1.088	1.257	1.534	1.522	1.279	15.30
30)m ETHYL ACETATE	2.988	3.617	3.605	2.798	3.350	3.691	3.410	3.351	10.14
31)m CHLOROFORM	3.480	3.514	3.664	2.769	3.231	3.721	3.525	3.415	9.51
32)m 1,1,1-TRICHLOROET	3.463	3.412	3.632	2.778	3.163	3.717	3.660	3.403	9.82
33)m CARBON TETRACHLOR	4.380	4.258	4.537	3.483	3.785	4.405	4.119	4.138	9.13
34)m 1,2-DICHLOROETHAN	1.673	1.849	2.140	1.601	2.017	2.352	2.355	1.998	15.27
35) I 1,4-DIFLUOROBENZENE	----------ISTD----------								
36)m BENZENE	0.574	0.782	0.763	0.591	0.750	0.940	0.958	0.766	19.58

Initial Calibration Summary

Job Number: M67318 **Sample:** MSQ234-ICC234
Account: GEI GEI Consultants, Inc. **Lab FileID:** Q4452.D
Project: GEI Tufts Street Somerville MA

```
37)m CYCLOHEXANE       0.232 0.292 0.398 0.316 0.340 0.412 0.390 0.340  19.20
38)m TRICHLOROETHYLENE 0.349 0.449 0.456 0.355 0.396 0.489 0.480 0.425  13.66
39)m 1,2-DICHLOROPROPA 0.224 0.262 0.270 0.202 0.250 0.314 0.335 0.265  17.71
40)m BROMODICHLOROMETH 0.684 0.808 0.746 0.570 0.682 0.860 0.857 0.744  14.33
41)m 2,2,4-TRIMETHYLPE 0.846 1.235 1.314 1.057 1.287 1.551 1.465 1.251  19.11
42)m 1,4-DIOXANE       0.076 0.122 0.135 0.111 0.138 0.179 0.168 0.133  26.35
43)m HEPTANE           0.134 0.382 0.422 0.355 0.440 0.558 0.518 0.401  34.30
         ----- Quadratic regression -----  Coefficient =  0.9958
              Response Ratio = -0.03639 + 0.54909 *A + -0.00470 *A^2

44)m METHYL ISOBUTYL K 0.249 0.437 0.502 0.408 0.541 0.673 0.606 0.488  28.63
45)m cis-1,3-DICHLOROP 0.217 0.303 0.351 0.286 0.384 0.500 0.537 0.368  31.39
         ----- Quadratic regression -----  Coefficient =  0.9977
              Response Ratio = -0.02666 + 0.42647 *A + 0.02992 *A^2

46)m TOLUENE           0.339 0.458 0.439 0.363 0.475 0.621 0.714 0.487  27.79
47)m trans-1,3-DICHLOR 0.178 0.266 0.306 0.265 0.355 0.460 0.537 0.338  36.66
         ----- Quadratic regression -----  Coefficient =  0.9988
              Response Ratio = -0.01974 + 0.35848 *A + 0.04638 *A^2

48)m 1,1,2-TRICHLOROET 0.245 0.286 0.275 0.212 0.255 0.316 0.354 0.278  16.93

49) I   CHLOROBENZENE-D5      ----------------ISTD--------------------
50)m 2-HEXANONE        0.214 0.400 0.462 0.400 0.541 0.742 0.665 0.489  36.37
  ----- Linear regression  (equal Weighting)-----  Coefficient =  0.9920
              Response Ratio = -0.04923 + 0.68818 *A

51)m TETRACHLOROETHYLE 0.416 0.579 0.479 0.377 0.446 0.602 0.595 0.499  18.48
52)m DIBROMOCHLOROMETH 0.703 0.871 0.789 0.596 0.763 1.003 1.008 0.819  18.61
53)m 1,2-DIBROMOETHANE 0.421 0.598 0.565 0.426 0.514 0.676 0.728 0.561  20.88
54)m CHLOROBENZENE     0.785 0.902 0.885 0.671 0.792 1.045 1.126 0.887  17.74
55)m ETHYLBENZENE      0.564 0.817 1.100 0.929 1.182 1.627 1.874 1.156  39.63
         ----- Quadratic regression -----  Coefficient =  0.9982
              Response Ratio = -0.07666 + 1.26156 *A + 0.15987 *A^2

56)m m,p-XYLENE        0.199 0.321 0.469 0.377 0.477 0.633 0.706 0.455  38.63
         ----- Quadratic regression -----  Coefficient =  0.9982
              Response Ratio = -0.05897 + 0.51646 *A + 0.02493 *A^2

57)m o-XYLENE          0.187 0.326 0.473 0.377 0.480 0.621 0.677 0.449  37.69
         ----- Quadratic regression -----  Coefficient =  0.9982
              Response Ratio = -0.02933 + 0.52337 *A + 0.04093 *A^2

58)m STYRENE           0.209 0.346 0.520 0.481 0.687 0.928 1.051 0.603  50.50
         ----- Quadratic regression -----  Coefficient =  0.9980
              Response Ratio = -0.05864 + 0.74675 *A + 0.08084 *A^2

59)m NONANE            0.247 0.438 0.650 0.529 0.711 0.899 0.902 0.625  38.48
         ----- Quadratic regression -----  Coefficient =  0.9970
              Response Ratio = -0.05716 + 0.83178 *A + 0.02230 *A^2

60)m BROMOFORM         0.563 0.693 0.686 0.522 0.649 0.907 0.967 0.712  23.39
61)S 4-BROMOFLUOROBENZ 0.554 0.599 0.667 0.690 0.741 0.726 0.744 0.675  10.89
62)m 1,1,2,2-TETRACHLO 0.651 0.856 0.829 0.602 0.720 0.924 0.970 0.793  17.53
63)m ISOPROPYLBENZENE  0.700 1.045 1.383 1.112 1.391 1.834 2.034 1.357  34.00
         ----- Quadratic regression -----  Coefficient =  0.9982
              Response Ratio = -0.08100 + 1.50495 *A + 0.13940 *A^2

64)m 2-CHLOROTOLUENE   0.471 0.716 0.958 0.799 1.020 1.346 1.319 0.947  33.53
         ----- Quadratic regression -----  Coefficient =  0.9960
```

Initial Calibration Summary

Job Number: M67318
Account: GEI GEI Consultants, Inc.
Project: GEI Tufts Street Somerville MA

Sample: MSQ234-ICC234
Lab FileID: Q4452.D

```
                Response Ratio = -0.08923 + 1.25295 *A + 0.02406 *A^2

65)m 4-ETHYLTOLUENE    0.363 0.713 1.186 0.991 1.298 1.763 1.625 1.134  43.48
         ----- Quadratic regression -----  Coefficient =  0.9938
                Response Ratio = -0.14505 + 1.71861 *A + -0.01112 *A^2

66)m 1,3,5-TRIMETHYLBE 0.428 0.775 1.158 0.933 1.176 1.572 1.415 1.065  36.51
         ----- Quadratic regression -----  Coefficient =  0.9937
                Response Ratio = -0.12129 + 1.56158 *A + -0.02622 *A^2

67)m 1,2,4-TRIMETHYLBE 0.314 0.557 0.936 0.802 1.045 1.448 1.345 0.921  44.06
         ----- Quadratic regression -----  Coefficient =  0.9936
                Response Ratio = -0.12152 + 1.39680 *A + -0.00278 *A^2

68)m m-DICHLOROBENZENE 0.423 0.668 0.751 0.552 0.616 0.901 0.875 0.684  25.18
69)m BENZYL CHLORIDE   0.246 0.501 0.684 0.574 0.715 1.047 0.966 0.676  40.45
         ----- Quadratic regression -----  Coefficient =  0.9922
                Response Ratio = -0.08747 + 0.99592 *A + 0.00011 *A^2

70)m p-DICHLOROBENZENE 0.353 0.562 0.731 0.531 0.631 0.881 0.847 0.648  28.84
71)m o-DICHLOROBENZENE 0.390 0.596 0.623 0.487 0.586 0.813 0.770 0.609  24.28
72)m HEXACHLOROBUTADIE 0.670 0.909 0.399 0.290 0.289 0.351 0.271 0.454  53.57
         ----- Quadratic regression -----  Coefficient =  0.9912
                Response Ratio = -0.00270 + 0.37557 *A + -0.02545 *A^2

73)m 1,2,4-TRICHLOROBE 0.082 0.220 0.145 0.144 0.173 0.257 0.231 0.179  34.08
         ----- Quadratic regression -----  Coefficient =  0.9909
                Response Ratio = -0.02147 + 0.24675 *A + -0.00194 *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

          Q083007T.m        Fri Aug 31 11:27:55 2007   RPT1
```

Continuing Calibration Summary

Job Number: M67318
Account: GEI GEI Consultants, Inc.
Project: GEI Tufts Street Somerville MA

Sample: MSQ234-CC234
Lab FileID: Q4455A.D

Evaluate Continuing Calibration Report

Data File : C:\msdchem\1\DATA\Q4455a.D Vial: 3
Acq On : 31 Aug 2007 9:16 am Operator: danat
Sample : cc234-10 (M217) Inst : MAMSQ
Misc : MS14204, MSQ234,,,,,1 Multiplr: 1.00
MS Integration Params: LSCINT.P

Method : C:\msdchem\1\METHODS\Q083007T.m (RTE Integrator)
Title : TO15 by GCMS w/DB-1 60 m X .25 mm ID 1.0 um
Last Update : Fri Aug 31 09:48:44 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	105	0.00	8.42- 8.83
2	m	DICHLORODIFLUOROMETHAN	5.371	4.715	12.2	114	0.00	3.83- 4.24
3	m	PROPYLENE	0.964	0.970	-0.6	142#	0.00	3.76- 4.18
4	m	FREON 114	4.885	4.020	17.7	104	0.00	4.09- 4.50
5	m	CHLOROMETHANE	1.193	1.086	9.0	120	0.00	3.99- 4.40
6	m	VINYL CHLORIDE	1.455	1.255	13.7	89	0.00	4.22- 4.63
7	m	1,3-BUTADIENE	0.995	0.846	15.0	88	0.00	4.35- 4.76
8	m	BROMOMETHANE	1.618	1.390	14.1	97	0.00	4.63- 5.04
9	m	CHLOROETHANE	0.598	0.563	5.9	95	0.00	4.80- 5.21
10	m	TRICHLOROFLUOROMETHANE	5.261	4.320	17.9	93	0.00	5.58- 5.99
11	m	ISOPROPYL ALCOHOL	1.975	1.861	5.8	102	0.00	5.58- 6.06
		----------	True	Calc.	% Drift		----------	
12	m	ACETONE	10.000	11.308	-13.1	105	0.00	5.39- 5.80
		----------	AvgRF	CCRF	% Dev		----------	
13	m	PENTANE	1.461	1.201	17.8	92	0.00	5.98- 6.29
14	m	1,1-DICHLOROETHYLENE	1.605	1.379	14.1	99	0.00	6.22- 6.63
15	m	CARBON DISULFIDE	4.752	4.272	10.1	101	0.00	6.65- 7.06
16	m	ETHANOL	0.454	0.428	5.7	107	0.00	4.86- 5.32
17	m	BROMOETHENE	1.510	1.320	12.6	94	0.00	5.16- 5.57
		----------	True	Calc.	% Drift		----------	
18	m	METHYLENE CHLORIDE	10.000	8.519	14.8	101	0.00	6.39- 6.69
		----------	AvgRF	CCRF	% Dev		----------	
19	m	3-CHLOROPROPENE	1.248	1.130	9.5	92	0.00	6.44- 6.86
20	m	FREON 113	3.135	2.528	19.4	99	0.00	6.59- 7.00
21	m	TRANS-1,2-DICHLOROETHY	1.556	1.349	13.3	97	0.00	7.26- 7.67
22	m	TERTIARY BUTYL ALCOHOL	2.447	2.372	3.1	96	0.00	6.17- 6.68
23	m	METHYL TERTIARY BUTYL	2.932	2.791	4.8	101	0.00	7.50- 7.91
		----------	True	Calc.	% Drift		----------	
24	m	TETRAHYDROFURAN	10.000	8.770	12.3	99	0.00	8.99- 9.28
		----------	AvgRF	CCRF	% Dev		----------	
25	m	HEXANE	2.004	1.754	12.5	98	0.00	8.45- 8.87
26	m	VINYL ACETATE	2.283	2.315	-1.4	110	0.00	7.61- 7.96
27	m	1,1-DICHLOROETHANE	2.588	2.411	6.8	100	0.00	7.45- 7.86
28	m	METHYL ETHYL KETONE	2.056	2.055	0.0	104	0.00	7.78- 8.27
29	m	cis-1,2-DICHLOROETHYLE	1.279	1.300	-1.6	109	0.00	8.26- 8.67
30	m	ETHYL ACETATE	3.351	3.206	4.3	101	0.00	8.45- 8.87

Continuing Calibration Summary

Job Number: M67318
Account: GEI GEI Consultants, Inc.
Project: GEI Tufts Street Somerville MA

Sample: MSQ234-CC234
Lab FileID: Q4455A.D

31	m	CHLOROFORM	3.415	3.253	4.7	106	0.00	8.54- 8.95
32	m	1,1,1-TRICHLOROETHANE	3.403	3.200	6.0	107	0.00	9.50- 9.91
33	m	CARBON TETRACHLORIDE	4.138	3.840	7.2	107	0.00	10.08-10.49
34	m	1,2-DICHLOROETHANE	1.998	1.895	5.2	99	0.00	9.25- 9.66
35	I	1,4-DIFLUOROBENZENE	1.000	1.000	0.0	96	0.00	10.25-10.66
36	m	BENZENE	0.766	0.762	0.5	97	0.00	9.94-10.35
37	m	CYCLOHEXANE	0.340	0.383	-12.6	108	0.00	10.20-10.61
38	m	TRICHLOROETHYLENE	0.425	0.464	-9.2	112	0.00	10.98-11.29
39	m	1,2-DICHLOROPROPANE	0.265	0.271	-2.3	104	0.00	10.71-11.12
40	m	BROMODICHLOROMETHANE	0.744	0.759	-2.0	107	0.00	10.94-11.25
41	m	2,2,4-TRIMETHYLPENTANE	1.251	1.398	-11.8	104	0.00	10.95-11.37
42	m	1,4-DIOXANE	0.133	0.095	28.6	66	0.00	10.87-11.39
			True	Calc.	% Drift			
43	m	HEPTANE	10.000	9.800	2.0	108	0.00	11.24-11.55
			AvgRF	CCRF	% Dev			
44	m	METHYL ISOBUTYL KETONE	0.488	0.474	2.9	84	0.00	11.75-12.19
			True	Calc.	% Drift			
45	m	cis-1,3-DICHLOROPROPEN	10.000	9.708	2.9	104	0.00	11.75-12.16
			AvgRF	CCRF	% Dev			
46	m	TOLUENE	0.487	0.519	-6.6	105	0.00	12.71-13.12
			True	Calc.	% Drift			
47	m	trans-1,3-DICHLOROPROP	10.000	10.287	-2.9	108	0.00	12.30-12.61
			AvgRF	CCRF	% Dev			
48	m	1,1,2-TRICHLOROETHANE	0.278	0.283	-1.8	107	0.00	12.46-12.82
49	I	CHLOROBENZENE-D5	1.000	1.000	0.0	96	0.00	14.54-14.85
			True	Calc.	% Drift			
50	m	2-HEXANONE	10.000	7.156	28.4	79	0.00	12.94-13.34
			AvgRF	CCRF	% Dev			
51	m	TETRACHLOROETHYLENE	0.499	0.530	-6.2	114	0.00	13.84-14.25
52	m	DIBROMOCHLOROMETHANE	0.819	0.835	-2.0	105	0.00	13.16-13.52
53	m	1,2-DIBROMOETHANE	0.561	0.604	-7.7	113	0.00	13.44-13.75
54	m	CHLOROBENZENE	0.887	0.930	-4.8	113	0.00	14.59-14.90
			True	Calc.	% Drift			
55	m	ETHYLBENZENE	10.000	10.387	-3.9	114	0.00	14.94-15.30
56	m	m,p-XYLENE	20.000	20.744	-3.7	113	0.00	15.14-15.50
57	m	o-XYLENE	10.000	10.357	-3.6	112	0.00	15.64-16.00
58	m	STYRENE	10.000	10.354	-3.5	112	0.00	15.54-15.85
59	m	NONANE	10.000	9.559	4.4	103	0.00	15.86-16.17
			AvgRF	CCRF	% Dev			
60	m	BROMOFORM	0.712	0.777	-9.1	115	0.00	15.26-15.57
61	S	4-BROMOFLUOROBENZENE	0.675	0.684	-1.3	89	0.00	16.16-16.47
62	m	1,1,2,2-TETRACHLOROETH	0.793	0.888	-12.0	119	0.00	15.65-15.96
			True	Calc.	% Drift			
63	m	ISOPROPYLBENZENE	10.000	10.430	-4.3	113	0.00	16.31-16.62
64	m	2-CHLOROTOLUENE	10.000	10.280	-2.8	116	0.00	16.81-17.22
65	m	4-ETHYLTOLUENE	10.000	10.045	-0.4	116	0.00	17.07-17.33
66	m	1,3,5-TRIMETHYLBENZENE	10.000	9.859	1.4	114	0.00	17.16-17.41

Continuing Calibration Summary

Job Number: M67318
Account: GEI GEI Consultants, Inc.
Project: GEI Tufts Street Somerville MA

Sample: MSQ234-CC234
Lab FileID: Q4455A.D

```
67 m   1,2,4-TRIMETHYLBENZENE  10.000  10.006     -0.1  117   0.00   17.59-17.90

           ----------------------- AvgRF   CCRF     % Dev   -------------
68 m   m-DICHLOROBENZENE        0.684   0.850    -24.3  133   0.00   17.77-18.10

           ----------------------- True    Calc.   % Drift  ------------
69 m   BENZYL CHLORIDE         10.000  10.696     -7.0  132   0.00   17.76-18.07

           ----------------------- AvgRF   CCRF     % Dev   -------------
70 m   p-DICHLOROBENZENE        0.648   0.837    -29.2  128   0.00   17.89-18.12
71 m   o-DICHLOROBENZENE        0.609   0.754    -23.8  124   0.00   18.24-18.55

           ----------------------- True    Calc.   % Drift  ------------
72 m   HEXACHLOROBUTADIENE     10.000  11.695    -17.0  134   0.00   20.58-21.00
73 m   1,2,4-TRICHLOROBENZENE  10.000  12.300    -23.0  156   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
    Q4452.D    Q083007T.m       Fri Aug 31 11:38:35 2007   RPT1
```

Initial Calibration Verification

Job Number: M67318
Account: GEI GEI Consultants, Inc.
Project: GEI Tufts Street Somerville MA

Sample: MSQ234-ICV234
Lab FileID: Q4455.D

Evaluate Continuing Calibration Report

Data File : C:\msdchem\1\DATA\Q4455.D Vial: 3
Acq On : 31 Aug 2007 9:16 am Operator: danat
Sample : icv234-10 (M217) Inst : MAMSQ
Misc : MS14204, MSQ234,,,,,1 Multiplr: 1.00
MS Integration Params: LSCINT.P

Method : C:\msdchem\1\METHODS\Q083007T.m (RTE Integrator)
Title : TO15 by GCMS w/DB-1 60 m X .25 mm ID 1.0 um
Last Update : Fri Aug 31 09:48:44 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	105	0.00	8.42- 8.83
2	m	DICHLORODIFLUOROMETHAN	5.371	4.715	12.2	114	0.00	3.83- 4.24
3	m	PROPYLENE	0.964	0.970	-0.6	142#	0.00	3.76- 4.18
4	m	FREON 114	4.885	4.020	17.7	104	0.00	4.09- 4.50
5	m	CHLOROMETHANE	1.193	1.086	9.0	120	0.00	3.99- 4.40
6	m	VINYL CHLORIDE	1.455	1.255	13.7	89	0.00	4.22- 4.63
7	m	1,3-BUTADIENE	0.995	0.846	15.0	88	0.00	4.35- 4.76
8	m	BROMOMETHANE	1.618	1.390	14.1	97	0.00	4.63- 5.04
9	m	CHLOROETHANE	0.598	0.563	5.9	95	0.00	4.80- 5.21
10	m	TRICHLOROFLUOROMETHANE	5.261	4.320	17.9	93	0.00	5.58- 5.99
11	m	ISOPROPYL ALCOHOL	1.975	1.861	5.8	102	0.00	5.58- 6.06
		----------	True	Calc.	% Drift	----------		
12	m	ACETONE	10.000	11.308	-13.1	105	0.00	5.39- 5.80
		----------	AvgRF	CCRF	% Dev	----------		
13	m	PENTANE	1.461	1.201	17.8	92	0.00	5.98- 6.29
14	m	1,1-DICHLOROETHYLENE	1.605	1.379	14.1	99	0.00	6.22- 6.63
15	m	CARBON DISULFIDE	4.752	4.272	10.1	101	0.00	6.65- 7.06
16	m	ETHANOL	0.454	0.428	5.7	107	0.00	4.86- 5.32
17	m	BROMOETHENE	1.510	1.320	12.6	94	0.00	5.16- 5.57
		----------	True	Calc.	% Drift	----------		
18	m	METHYLENE CHLORIDE	10.000	8.519	14.8	101	0.00	6.39- 6.69
		----------	AvgRF	CCRF	% Dev	----------		
19	m	3-CHLOROPROPENE	1.248	1.130	9.5	92	0.00	6.44- 6.86
20	m	FREON 113	3.135	2.528	19.4	99	0.00	6.59- 7.00
21	m	TRANS-1,2-DICHLOROETHY	1.556	1.349	13.3	97	0.00	7.26- 7.67
22	m	TERTIARY BUTYL ALCOHOL	2.447	2.372	3.1	96	0.00	6.17- 6.68
23	m	METHYL TERTIARY BUTYL	2.932	2.791	4.8	101	0.00	7.50- 7.91
		----------	True	Calc.	% Drift	----------		
24	m	TETRAHYDROFURAN	10.000	8.770	12.3	99	0.00	8.99- 9.28
		----------	AvgRF	CCRF	% Dev	----------		
25	m	HEXANE	2.004	1.754	12.5	98	0.00	8.45- 8.87
26	m	VINYL ACETATE	2.283	2.315	-1.4	110	0.00	7.61- 7.96
27	m	1,1-DICHLOROETHANE	2.588	2.411	6.8	100	0.00	7.45- 7.86
28	m	METHYL ETHYL KETONE	2.056	2.055	0.0	104	0.00	7.78- 8.27
29	m	cis-1,2-DICHLOROETHYLE	1.279	1.300	-1.6	109	0.00	8.26- 8.67
30	m	ETHYL ACETATE	3.351	3.206	4.3	101	0.00	8.45- 8.87

Initial Calibration Verification

Job Number: M67318
Account: GEI GEI Consultants, Inc.
Project: GEI Tufts Street Somerville MA

Sample: MSQ234-ICV234
Lab FileID: Q4455.D

31	m	CHLOROFORM	3.415	3.253	4.7	106	0.00	8.54- 8.95
32	m	1,1,1-TRICHLOROETHANE	3.403	3.200	6.0	107	0.00	9.50- 9.91
33	m	CARBON TETRACHLORIDE	4.138	3.840	7.2	107	0.00	10.08-10.49
34	m	1,2-DICHLOROETHANE	1.998	1.895	5.2	99	0.00	9.25- 9.66
35	I	1,4-DIFLUOROBENZENE	1.000	1.000	0.0	96	0.00	10.25-10.66
36	m	BENZENE	0.766	0.762	0.5	97	0.00	9.94-10.35
37	m	CYCLOHEXANE	0.340	0.383	-12.6	108	0.00	10.20-10.61
38	m	TRICHLOROETHYLENE	0.425	0.464	-9.2	112	0.00	10.98-11.29
39	m	1,2-DICHLOROPROPANE	0.265	0.271	-2.3	104	0.00	10.71-11.12
40	m	BROMODICHLOROMETHANE	0.744	0.759	-2.0	107	0.00	10.94-11.25
41	m	2,2,4-TRIMETHYLPENTANE	1.251	1.398	-11.8	104	0.00	10.95-11.37
42	m	1,4-DIOXANE	0.133	0.095	28.6	66	0.00	10.87-11.39
		----------	True	Calc.	% Drift		----------	
43	m	HEPTANE	10.000	9.800	2.0	108	0.00	11.24-11.55
		----------	AvgRF	CCRF	% Dev		----------	
44	m	METHYL ISOBUTYL KETONE	0.488	0.474	2.9	84	0.00	11.75-12.19
		----------	True	Calc.	% Drift		----------	
45	m	cis-1,3-DICHLOROPROPEN	10.000	9.708	2.9	104	0.00	11.75-12.16
		----------	AvgRF	CCRF	% Dev		----------	
46	m	TOLUENE	0.487	0.519	-6.6	105	0.00	12.71-13.12
		----------	True	Calc.	% Drift		----------	
47	m	trans-1,3-DICHLOROPROP	10.000	10.287	-2.9	108	0.00	12.30-12.61
		----------	AvgRF	CCRF	% Dev		----------	
48	m	1,1,2-TRICHLOROETHANE	0.278	0.283	-1.8	107	0.00	12.46-12.82
49	I	CHLOROBENZENE-D5	1.000	1.000	0.0	96	0.00	14.54-14.85
		----------	True	Calc.	% Drift		----------	
50	m	2-HEXANONE	10.000	7.156	28.4	79	0.00	12.94-13.34
		----------	AvgRF	CCRF	% Dev		----------	
51	m	TETRACHLOROETHYLENE	0.499	0.530	-6.2	114	0.00	13.84-14.25
52	m	DIBROMOCHLOROMETHANE	0.819	0.835	-2.0	105	0.00	13.16-13.52
53	m	1,2-DIBROMOETHANE	0.561	0.604	-7.7	113	0.00	13.44-13.75
54	m	CHLOROBENZENE	0.887	0.930	-4.8	113	0.00	14.59-14.90
		----------	True	Calc.	% Drift		----------	
55	m	ETHYLBENZENE	10.000	10.387	-3.9	114	0.00	14.94-15.30
56	m	m,p-XYLENE	20.000	20.744	-3.7	113	0.00	15.14-15.50
57	m	o-XYLENE	10.000	10.357	-3.6	112	0.00	15.64-16.00
58	m	STYRENE	10.000	10.354	-3.5	112	0.00	15.54-15.85
59	m	NONANE	10.000	9.559	4.4	103	0.00	15.86-16.17
		----------	AvgRF	CCRF	% Dev		----------	
60	m	BROMOFORM	0.712	0.777	-9.1	115	0.00	15.26-15.57
61	S	4-BROMOFLUOROBENZENE	0.675	0.684	-1.3	89	0.00	16.16-16.47
62	m	1,1,2,2-TETRACHLOROETH	0.793	0.888	-12.0	119	0.00	15.65-15.96
		----------	True	Calc.	% Drift		----------	
63	m	ISOPROPYLBENZENE	10.000	10.430	-4.3	113	0.00	16.31-16.62
64	m	2-CHLOROTOLUENE	10.000	10.280	-2.8	116	0.00	16.81-17.22
65	m	4-ETHYLTOLUENE	10.000	10.045	-0.4	116	0.00	17.07-17.33
66	m	1,3,5-TRIMETHYLBENZENE	10.000	9.859	1.4	114	0.00	17.16-17.41

Initial Calibration Verification

Job Number: M67318
Account: GEI GEI Consultants, Inc.
Project: GEI Tufts Street Somerville MA

Sample: MSQ234-ICV234
Lab FileID: Q4455.D

```
67 m   1,2,4-TRIMETHYLBENZENE  10.000  10.006     -0.1  117   0.00   17.59-17.90

           ----------------------- AvgRF   CCRF     % Dev   -------------
68 m   m-DICHLOROBENZENE        0.684   0.850    -24.3  133   0.00   17.77-18.10

           ----------------------- True    Calc.   % Drift  ------------
69 m   BENZYL CHLORIDE         10.000  10.696     -7.0  132   0.00   17.76-18.07

           ----------------------- AvgRF   CCRF     % Dev   -------------
70 m   p-DICHLOROBENZENE        0.648   0.837    -29.2  128   0.00   17.89-18.12
71 m   o-DICHLOROBENZENE        0.609   0.754    -23.8  124   0.00   18.24-18.55

           ----------------------- True    Calc.   % Drift  ------------
72 m   HEXACHLOROBUTADIENE     10.000  11.695    -17.0  134   0.00   20.58-21.00
73 m   1,2,4-TRICHLOROBENZENE  10.000  12.300    -23.0  156   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
    Q4452.D    Q083007T.m       Fri Aug 31 11:28:46 2007   RPT1
```

GC/MS Volatiles

Raw Data

Manual Integrations APPROVED (compounds with "m" flag)
Philip Bassignani
08/29/07 18:21

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\
Data File : Q4429.D
Acq On : 29 Aug 2007 3:12 pm
Operator : danat
Sample : m67318-1 (M162)
Misc : MS14204, MSQ233,,,,,1
ALS Vial : 14 Sample Multiplier: 1

Quant Time: Aug 29 17:47:57 2007
Quant Method : C:\msdchem\1\METHODS\Q082707T.m
Quant Title : TO15 by GCMS w/DB-1 60 m X .25 mm ID 1.0 um
QLast Update : Mon Aug 27 15:05:38 2007
Response via : Initial Calibration

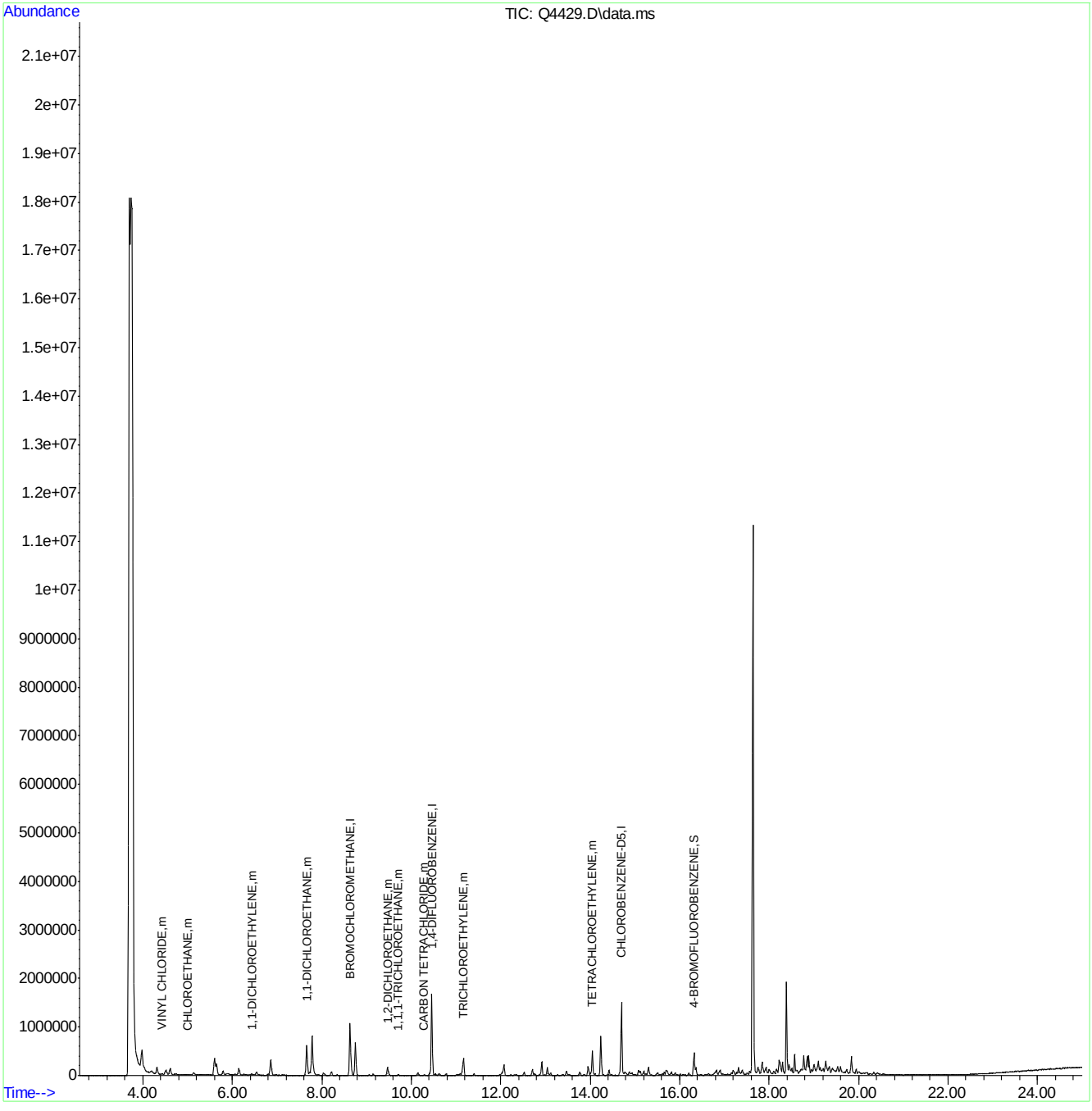
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) BROMOCHLOROMETHANE	8.633	128	278354	10.00	PPBV	0.00
35) 1,4-DIFLUOROBENZENE	10.460	114	1190540	10.00	PPBV	0.00
49) CHLOROBENZENE-D5	14.699	117	777058	10.00	PPBV	0.00
System Monitoring Compounds						
61) 4-BROMOFLUOROBENZENE	16.322	95	158878	4.81	PPBV	0.00
Spiked Amount 5.000	Range 57 - 139		Recovery = 96.20%			
Target Compounds						Qvalue
6) VINYL CHLORIDE	4.411	62	6476	0.20	PPBV	73
9) CHLOROETHANE	5.004	64	2910m	0.22	PPBV	
14) 1,1-DICHLOROETHYLENE	6.429	96	9858	0.29	PPBV #	80
27) 1,1-DICHLOROETHANE	7.664	63	599269	12.79	PPBV	100
32) 1,1,1-TRICHLOROETHANE	9.703	97	7119	0.10	PPBV #	84
33) CARBON TETRACHLORIDE	10.291	117	8098	0.10	PPBV	98
34) 1,2-DICHLOROETHANE	9.462	62	7602	0.20	PPBV	93
38) TRICHLOROETHYLENE	11.146	95	32208	0.90	PPBV	91
51) TETRACHLOROETHYLENE	14.050	164	103540	2.72	PPBV	97

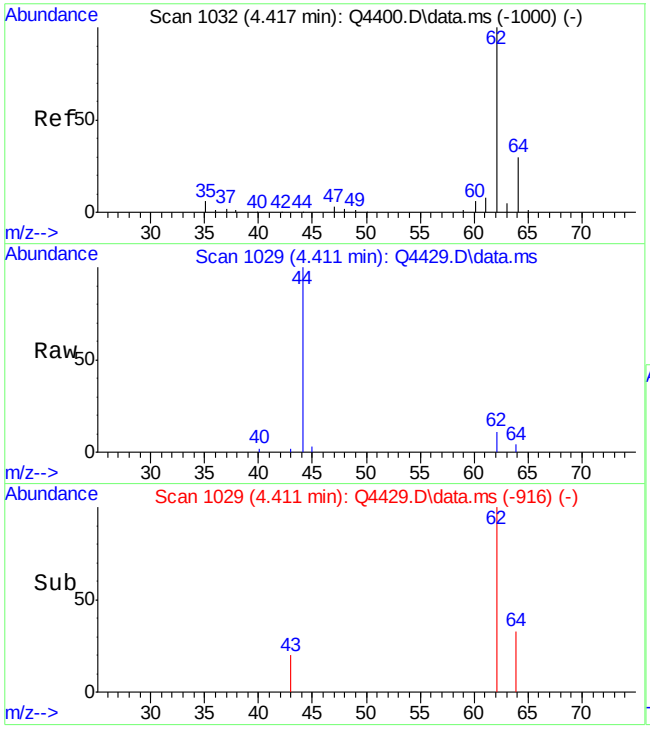
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\
Data File : Q4429.D
Acq On : 29 Aug 2007 3:12 pm
Operator : danat
Sample : m67318-1 (M162)
Misc : MS14204, MSQ233,,,,,1
ALS Vial : 14 Sample Multiplier: 1

Quant Time: Aug 29 17:47:57 2007
Quant Method : C:\msdchem\1\METHODS\Q082707T.m
Quant Title : TO15 by GCMS w/DB-1 60 m X .25 mm ID 1.0 um
QLast Update : Mon Aug 27 15:05:38 2007
Response via : Initial Calibration

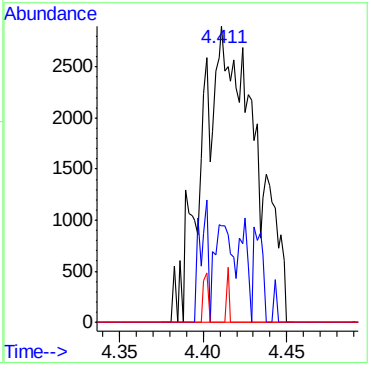


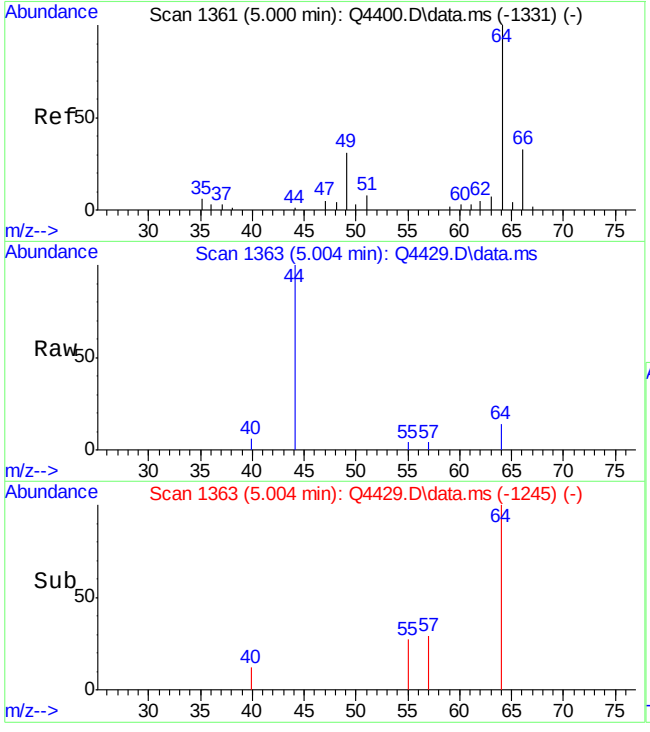


#6
VINYL CHLORIDE
Concen: 0.20 PPBV
RT: 4.411 min Scan# 1029
Delta R.T. -0.006 min
Lab File: Q4429.D
Acq: 29 Aug 2007 3:12 pm

Tgt Ion: 62 Resp: 6476

Ion	Ratio	Lower	Upper
62	100		
64	16.3	12.4	52.4
61	0.9	0.0	28.5

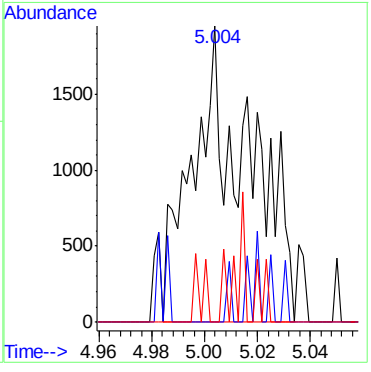




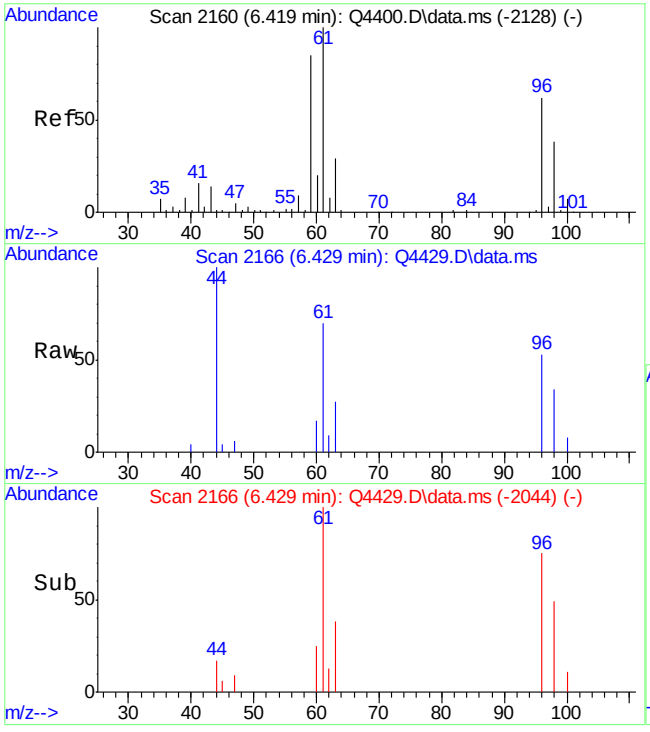
#9
CHLOROETHANE
Concen: 0.22 PPBV m
RT: 5.004 min Scan# 1363
Delta R.T. 0.003 min
Lab File: Q4429.D
Acq: 29 Aug 2007 3:12 pm

Tgt Ion: 64 Resp: 2910

Ion	Ratio	Lower	Upper
64	100		
66	0.0	13.3	53.3#
49	3.2	9.5	49.5#



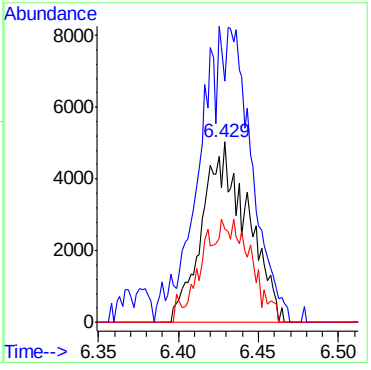
ACCUTEST Laboratories M67318

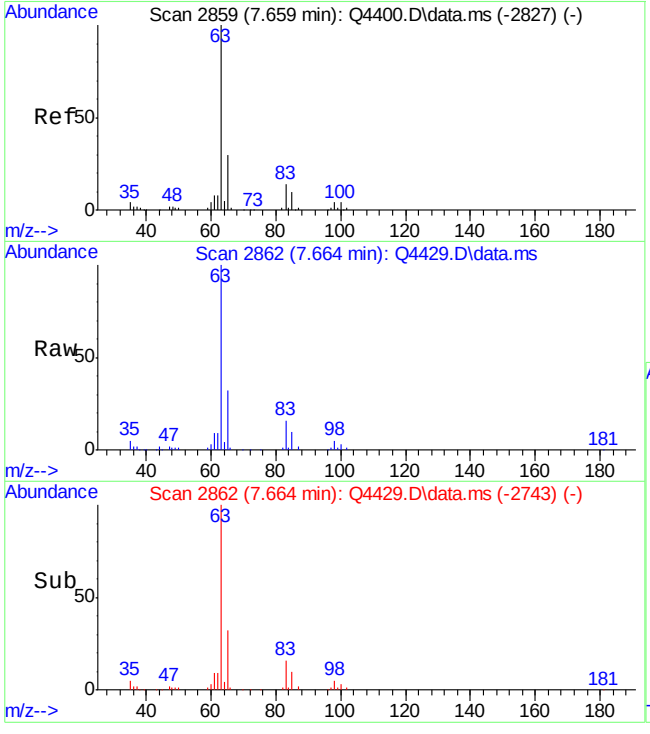


#14
1,1-DICHLOROETHYLENE
Concen: 0.29 PPBV
RT: 6.429 min Scan# 2166
Delta R.T. 0.010 min
Lab File: Q4429.D
Acq: 29 Aug 2007 3:12 pm

Tgt Ion: 96 Resp: 9858

Ion	Ratio	Lower	Upper
96	100		
61	188.4	140.4	180.4#
63	61.5	31.3	71.3

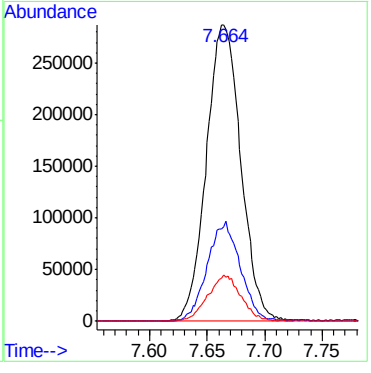


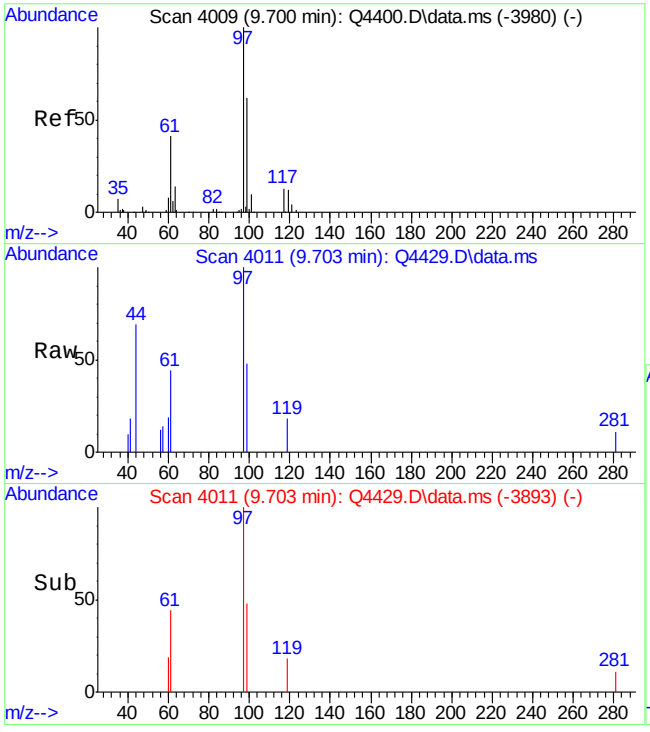


#27
1,1-DICHLOROETHANE
Concen: 12.79 PPBV
RT: 7.664 min Scan# 2862
Delta R.T. 0.005 min
Lab File: Q4429.D
Acq: 29 Aug 2007 3:12 pm

Tgt Ion: 63 Resp: 599269

Ion	Ratio	Lower	Upper
63	100		
65	32.1	12.1	52.1
83	14.8	0.0	35.0

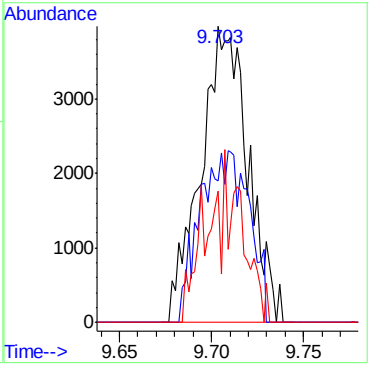


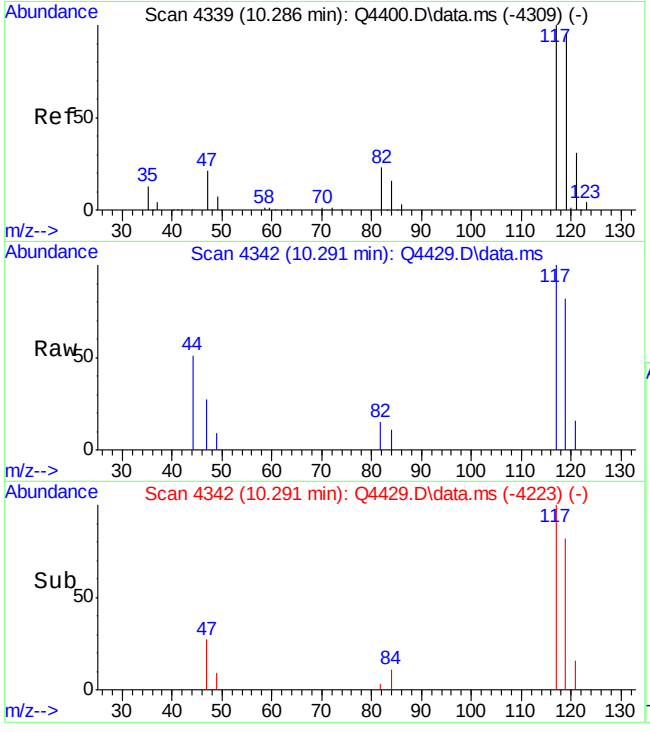


#32
1,1,1-TRICHLOROETHANE
Concen: 0.10 PPBV
RT: 9.703 min Scan# 4011
Delta R.T. 0.003 min
Lab File: Q4429.D
Acq: 29 Aug 2007 3:12 pm

Tgt Ion: 97 Resp: 7119

Ion	Ratio	Lower	Upper
97	100		
99	59.9	44.0	84.0
61	22.3	22.6	62.6#

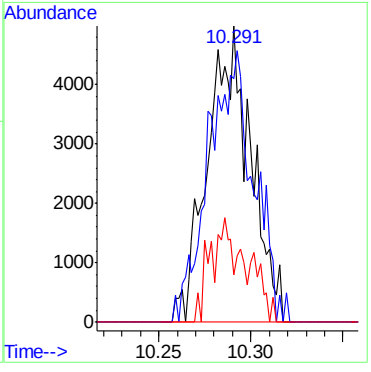


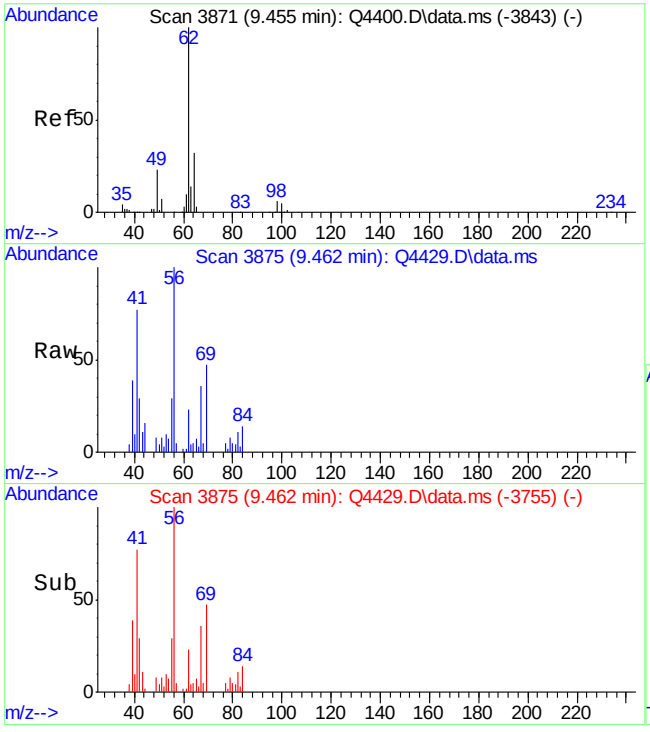


#33
CARBON TETRACHLORIDE
Concen: 0.10 PPBV
RT: 10.291 min Scan# 4342
Delta R.T. 0.005 min
Lab File: Q4429.D
Acq: 29 Aug 2007 3:12 pm

Tgt Ion:117 Resp: 8098

Ion	Ratio	Lower	Upper
117	100		
119	96.6	75.5	115.5
121	29.4	11.1	51.1

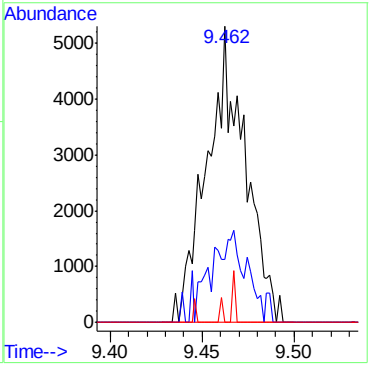


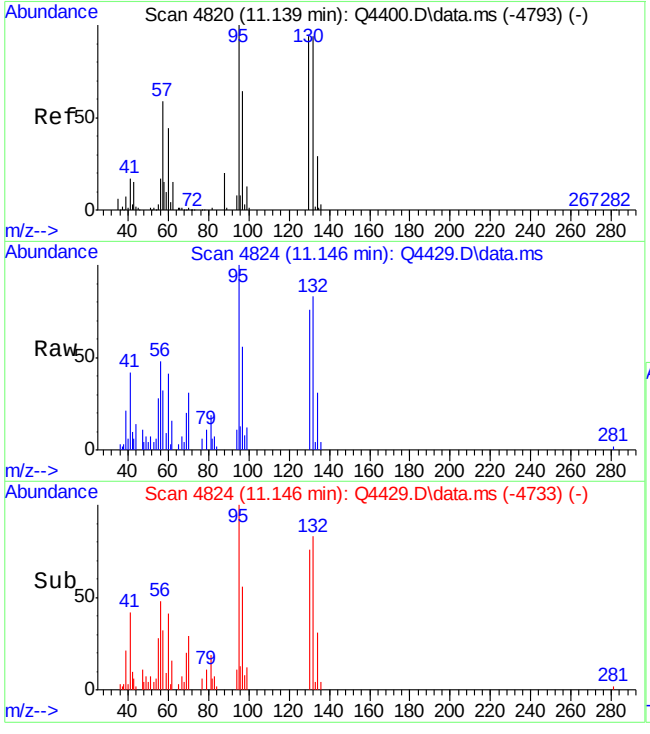


#34
1,2-DICHLOROETHANE
Concen: 0.20 PPBV
RT: 9.462 min Scan# 3875
Delta R.T. 0.007 min
Lab File: Q4429.D
Acq: 29 Aug 2007 3:12 pm

Tgt Ion: 62 Resp: 7602

Ion	Ratio	Lower	Upper
62	100		
64	29.3	12.3	52.3
98	1.9	0.0	26.8

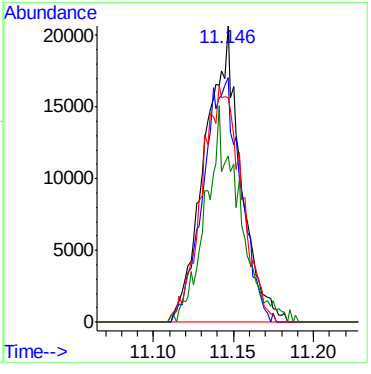




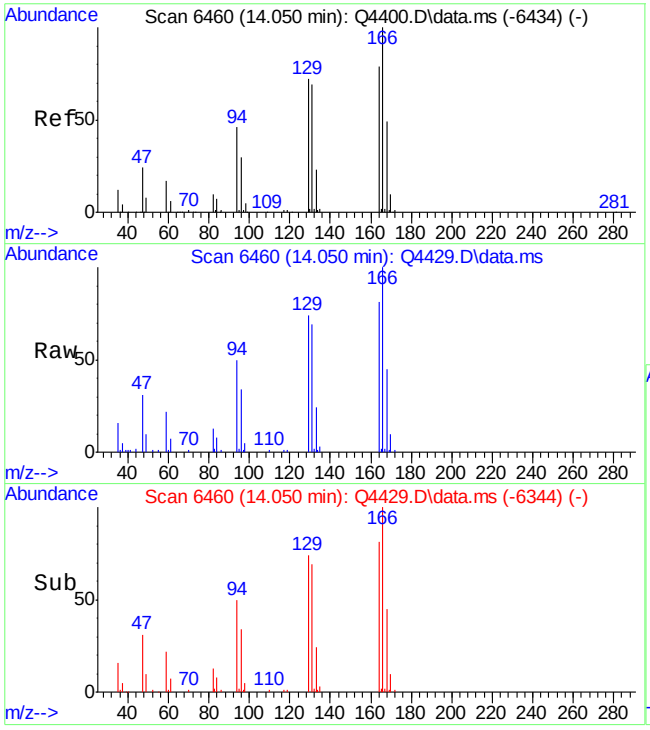
#38
TRICHLOROETHYLENE
Concen: 0.90 PPBV
RT: 11.146 min Scan# 4824
Delta R.T. 0.007 min
Lab File: Q4429.D
Acq: 29 Aug 2007 3:12 pm

Tgt Ion: 95 Resp: 32208

Ion	Ratio	Lower	Upper
95	100		
132	86.5	75.9	115.9
130	88.4	81.1	121.1
97	67.7	45.4	85.4



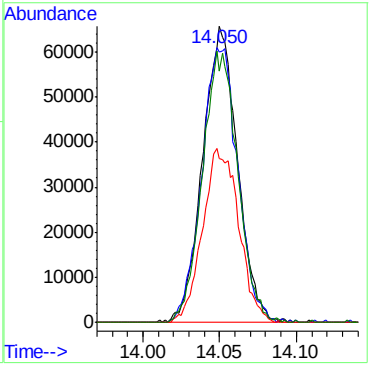
ACCUTEST Laboratories M67318



#51
TETRACHLOROETHYLENE
Concen: 2.72 PPBV
RT: 14.050 min Scan# 6460
Delta R.T. -0.000 min
Lab File: Q4429.D
Acq: 29 Aug 2007 3:12 pm

Tgt Ion:164 Resp: 103540

Ion	Ratio	Lower	Upper
164	100		
129	96.7	72.9	112.9
168	60.9	41.5	81.5
131	93.0	70.3	110.3



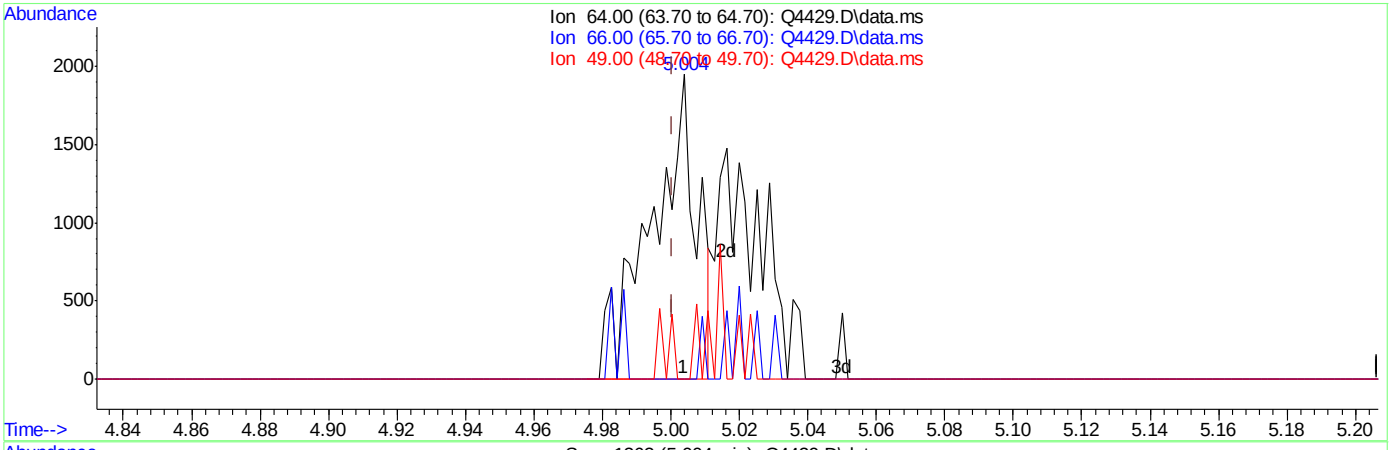
6.1.1

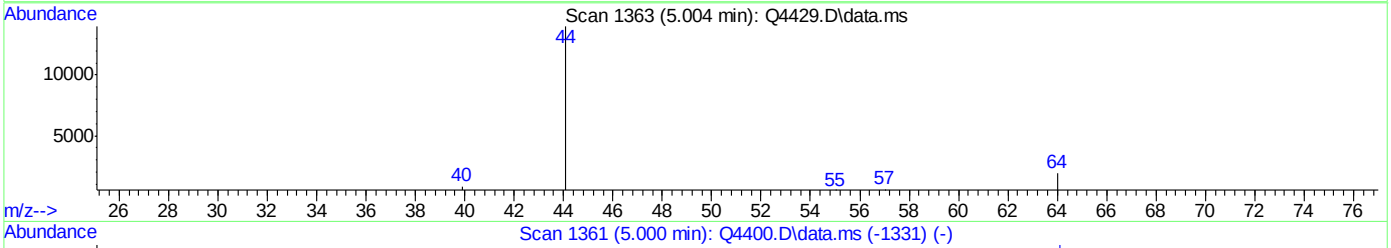
6

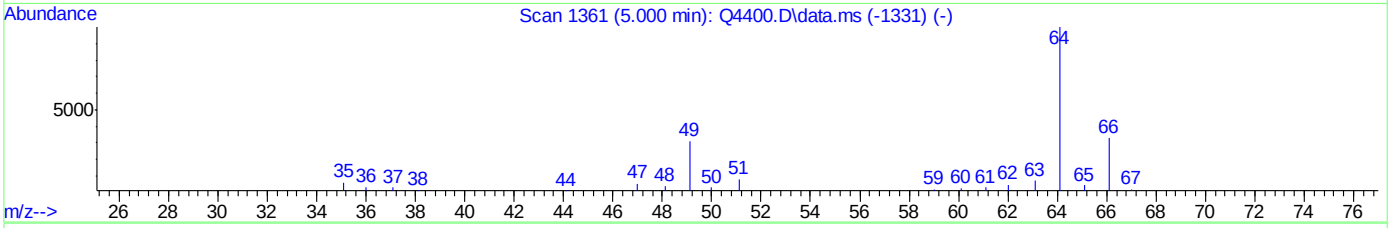
Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\
Data File : Q4429.D
Acq On : 29 Aug 2007 3:12 pm
Operator : danat
Sample : m67318-1 (M162)
Misc : MS14204, MSQ233,,,,,1
ALS Vial : 14 Sample Multiplier: 1

Quant Time: Aug 29 15:38:14 2007
Quant Method : C:\msdchem\1\METHODS\Q082707T.m
Quant Title : TO15 by GCMS w/DB-1 60 m X .25 mm ID 1.0 um
QLast Update : Mon Aug 27 15:05:38 2007
Response via : Initial Calibration







TIC: Q4429.D\data.ms

(9) CHLOROETHANE (m)

5.004min (+0.003) 0.13PPBV

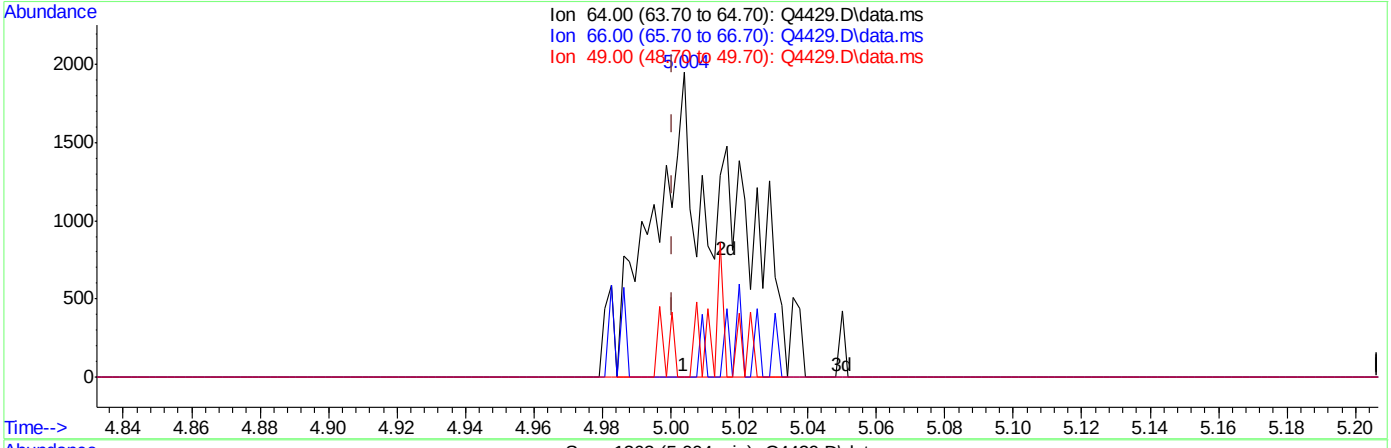
response 1791

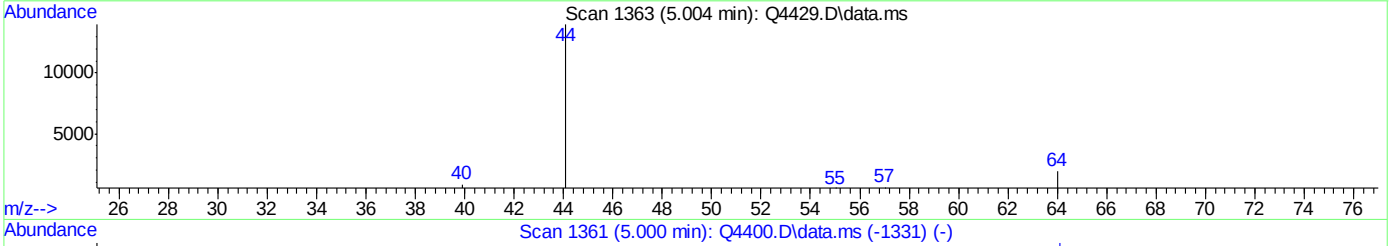
Ion	Exp%	Act%
64.00	100	100
66.00	33.30	0.00#
49.00	29.50	5.14#
0.00	0.00	0.00

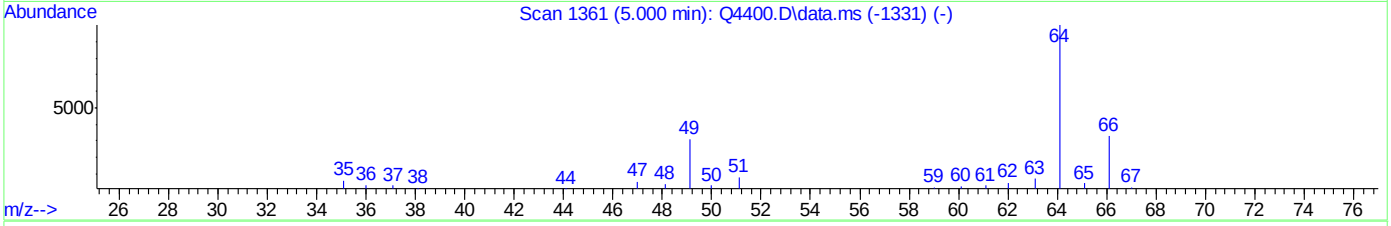
Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\
Data File : Q4429.D
Acq On : 29 Aug 2007 3:12 pm
Operator : danat
Sample : m67318-1 (M162)
Misc : MS14204, MSQ233,,,,,1
ALS Vial : 14 Sample Multiplier: 1

Quant Time: Aug 29 15:38:14 2007
Quant Method : C:\msdchem\1\METHODS\Q082707T.m
Quant Title : TO15 by GCMS w/DB-1 60 m X .25 mm ID 1.0 um
QLast Update : Mon Aug 27 15:05:38 2007
Response via : Initial Calibration







TIC: Q4429.D\data.ms

(9) CHLOROETHANE (m)

5.004min (+0.003) 0.22PPBV m

response 2910

Ion	Exp%	Act%
64.00	100	100
66.00	33.30	0.00#
49.00	29.50	3.16#
0.00	0.00	0.00

Manual Integrations APPROVED (compounds with "m" flag)
Doug Yargeau
08/31/07 15:19

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\
Data File : Q4460.D
Acq On : 31 Aug 2007 1:02 pm
Operator : danat
Sample : m67318-2 (M075)
Misc : MS14204, MSQ234,,,,,1
ALS Vial : 15 Sample Multiplier: 1

Quant Time: Aug 31 14:55:42 2007
Quant Method : C:\msdchem\1\METHODS\Q083007T.m
Quant Title : TO15 by GCMS w/DB-1 60 m X .25 mm ID 1.0 um
QLast Update : Fri Aug 31 09:48:44 2007
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) BROMOCHLOROMETHANE	8.630	128	238633	10.00	PPBV	0.00
35) 1,4-DIFLUOROBENZENE	10.458	114	958192	10.00	PPBV	0.00
49) CHLOROBENZENE-D5	14.700	117	816762m	10.00	PPBV	0.00

System Monitoring Compounds

61) 4-BROMOFLUOROBENZENE	16.322	95	233572	4.24	PPBV	0.00

Spiked Amount 5.000 Range 57 - 139 Recovery = 84.80%

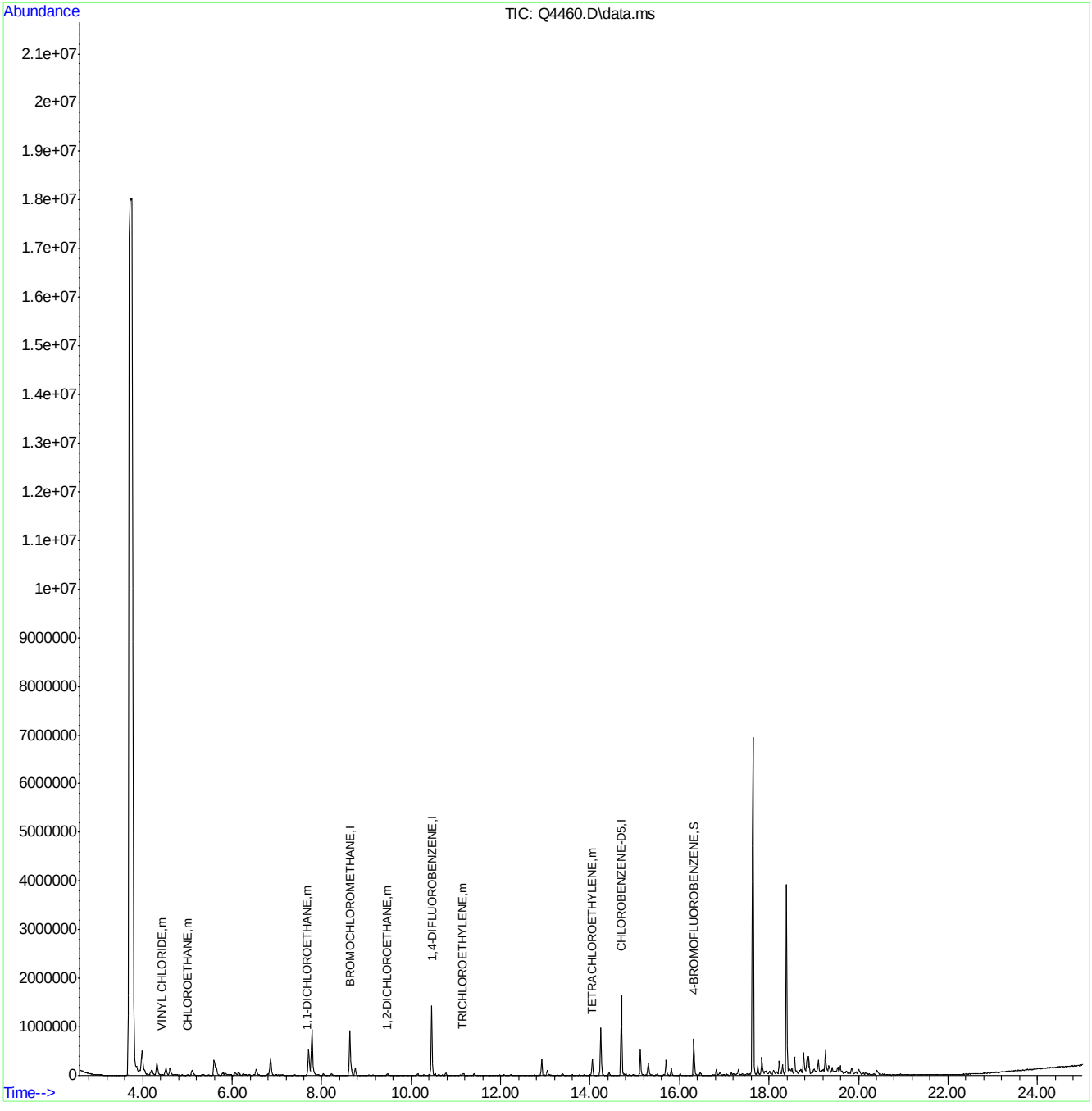
Target Compounds						Qvalue
6) VINYL CHLORIDE	4.424	62	16227	0.47	PPBV	95
9) CHLOROETHANE	5.008	64	8899	0.62	PPBV	91
27) 1,1-DICHLOROETHANE	7.668	63	5538	0.09	PPBV #	68
34) 1,2-DICHLOROETHANE	9.455	62	9852	0.21	PPBV	97
38) TRICHLOROETHYLENE	11.143	95	9272	0.23	PPBV	95
51) TETRACHLOROETHYLENE	14.048	164	68324	1.68	PPBV	98

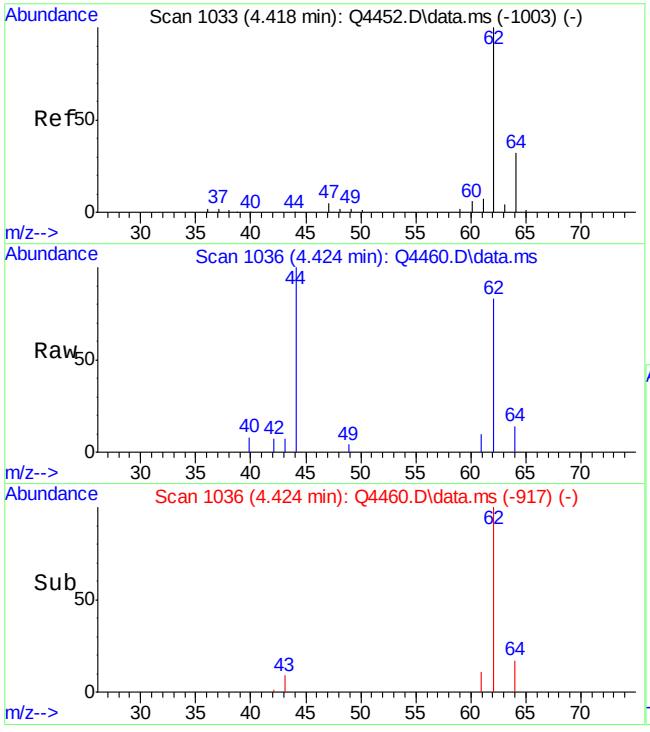
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\
Data File : Q4460.D
Acq On : 31 Aug 2007 1:02 pm
Operator : danat
Sample : m67318-2 (M075)
Misc : MS14204, MSQ234,,,,,1
ALS Vial : 15 Sample Multiplier: 1

Quant Time: Aug 31 14:55:42 2007
Quant Method : C:\msdchem\1\METHODS\Q083007T.m
Quant Title : TO15 by GCMS w/DB-1 60 m X .25 mm ID 1.0 um
QLast Update : Fri Aug 31 09:48:44 2007
Response via : Initial Calibration

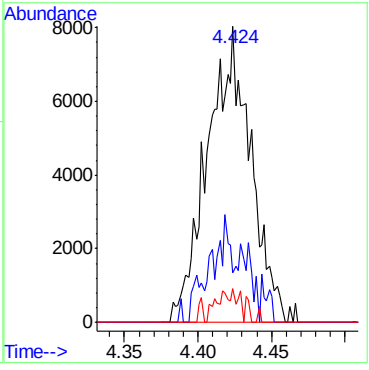


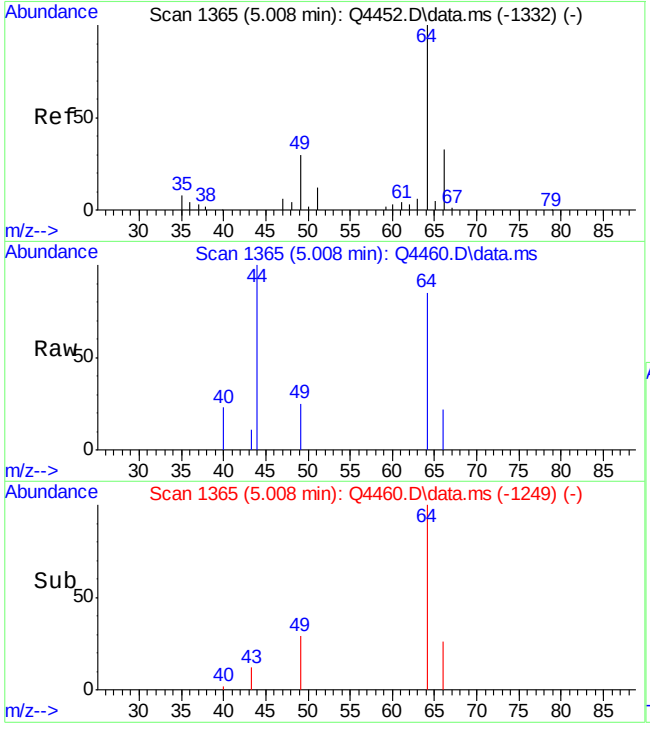


#6
VINYL CHLORIDE
Concen: 0.47 PPBV
RT: 4.424 min Scan# 1036
Delta R.T. 0.005 min
Lab File: Q4460.D
Acq: 31 Aug 2007 1:02 pm

Tgt Ion: 62 Resp: 16227

Ion	Ratio	Lower	Upper
62	100		
64	28.6	11.1	51.1
61	7.1	0.0	28.8

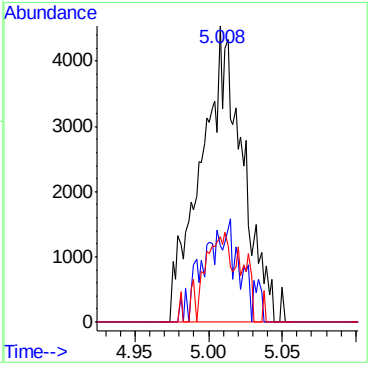


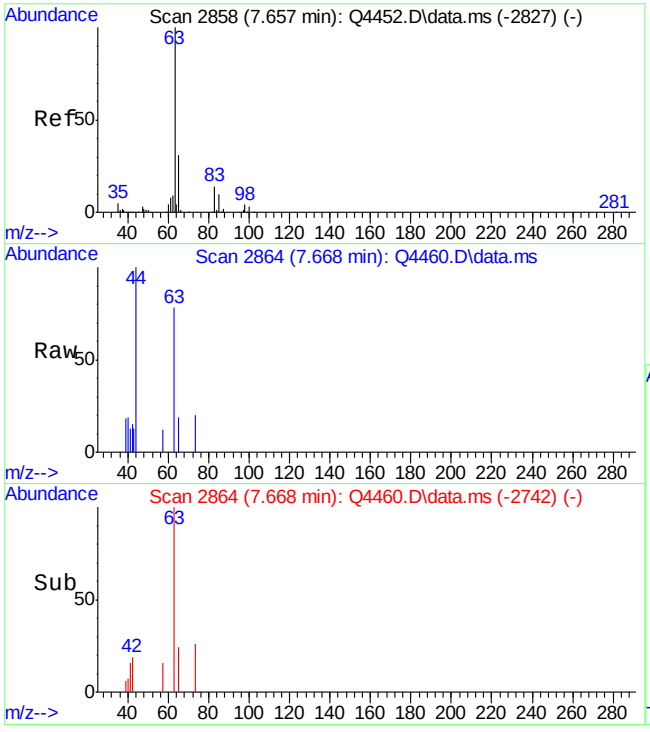


#9
CHLOROETHANE
Concen: 0.62 PPBV
RT: 5.008 min Scan# 1365
Delta R.T. -0.000 min
Lab File: Q4460.D
Acq: 31 Aug 2007 1:02 pm

Tgt Ion: 64 Resp: 8899

Ion	Ratio	Lower	Upper
64	100		
66	27.8	11.7	51.7
49	25.8	12.5	52.5

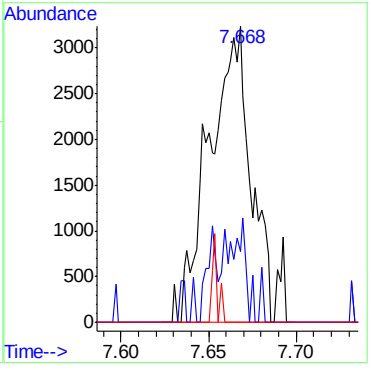


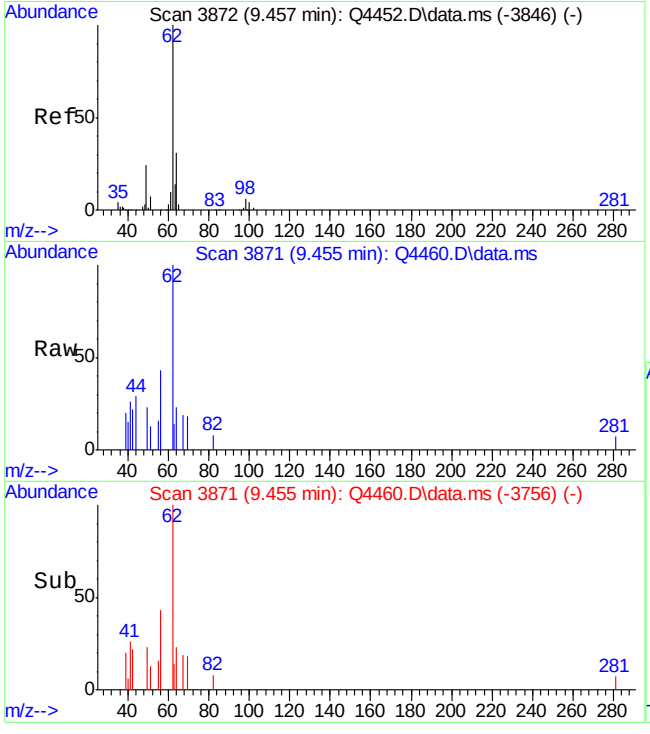


#27
1,1-DICHLOROETHANE
Concen: 0.09 PPBV
RT: 7.668 min Scan# 2864
Delta R.T. 0.011 min
Lab File: Q4460.D
Acq: 31 Aug 2007 1:02 pm

Tgt Ion: 63 Resp: 5538

Ion	Ratio	Lower	Upper
63	100		
65	14.9	11.7	51.7
83	0.0	0.0	34.1

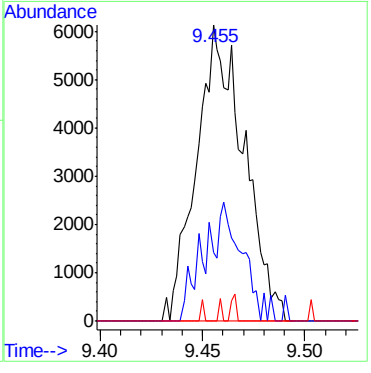




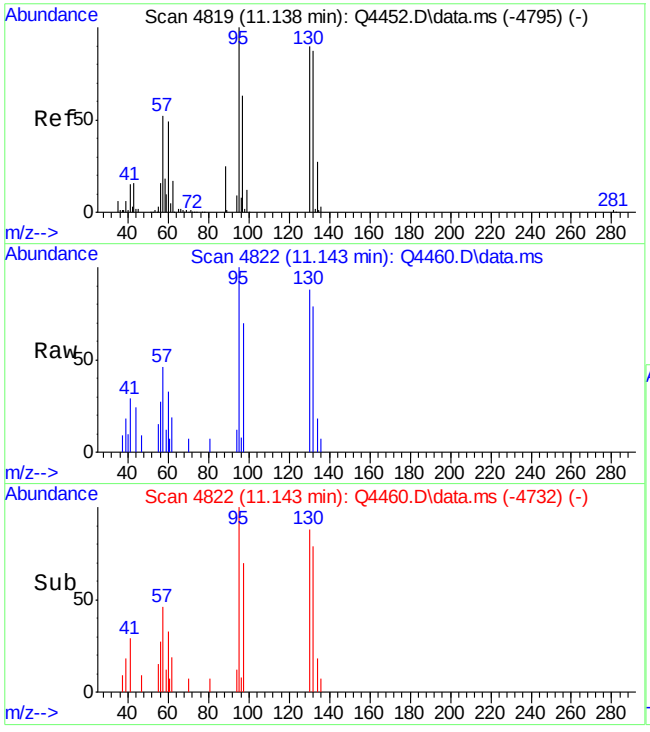
#34
1,2-DICHLOROETHANE
Concen: 0.21 PPBV
RT: 9.455 min Scan# 3871
Delta R.T. -0.002 min
Lab File: Q4460.D
Acq: 31 Aug 2007 1:02 pm

Tgt Ion: 62 Resp: 9852

Ion	Ratio	Lower	Upper
62	100		
64	32.6	12.3	52.3
98	0.5	0.0	26.2



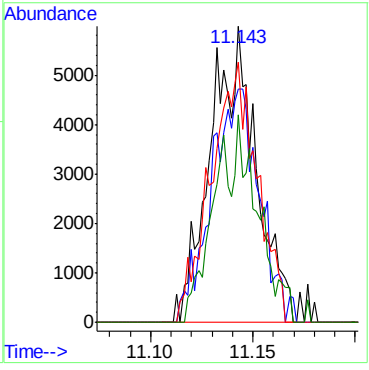
ACCUTEST Laboratories M67318

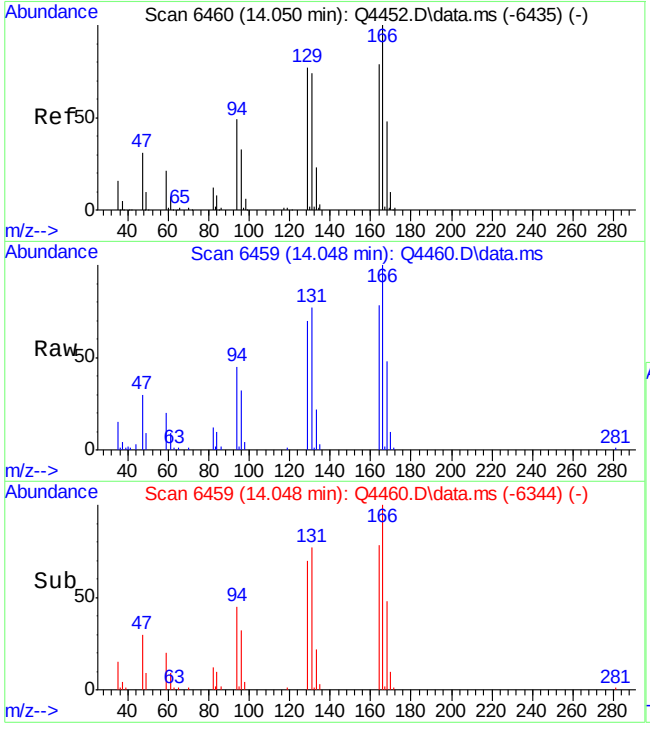


#38
TRICHLOROETHYLENE
Concen: 0.23 PPBV
RT: 11.143 min Scan# 4822
Delta R.T. 0.005 min
Lab File: Q4460.D
Acq: 31 Aug 2007 1:02 pm

Tgt Ion: 95 Resp: 9272

Ion	Ratio	Lower	Upper
95	100		
132	83.6	71.4	111.4
130	88.4	74.0	114.0
97	65.3	45.3	85.3

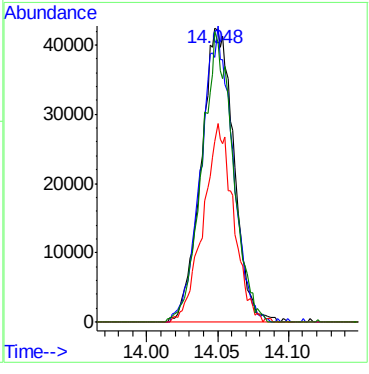




#51
TETRACHLOROETHYLENE
Concen: 1.68 PPBV
RT: 14.048 min Scan# 6459
Delta R.T. -0.002 min
Lab File: Q4460.D
Acq: 31 Aug 2007 1:02 pm

Tgt Ion:164 Resp: 68324

Ion	Ratio	Lower	Upper
164	100		
129	96.1	79.7	119.7
168	61.9	42.4	82.4
131	93.4	74.8	114.8

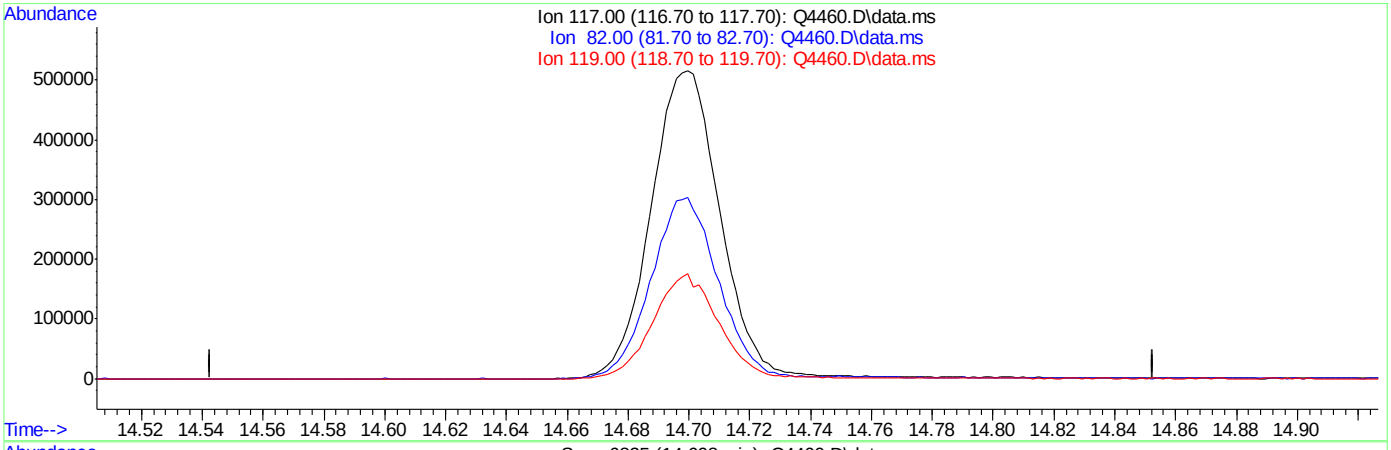


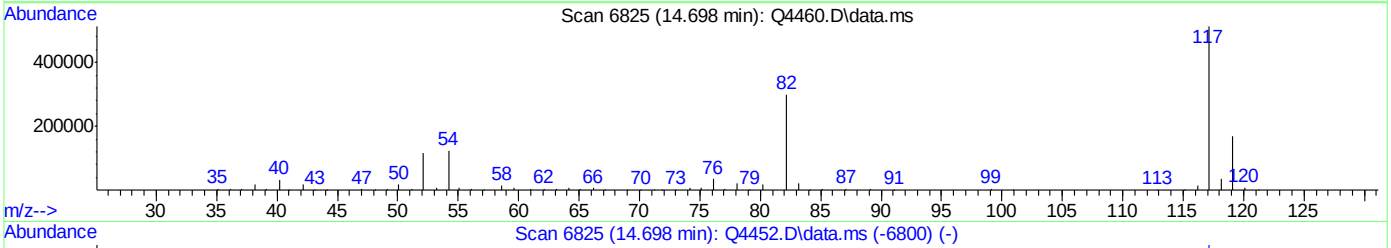
ACCUTEST Laboratories M67318

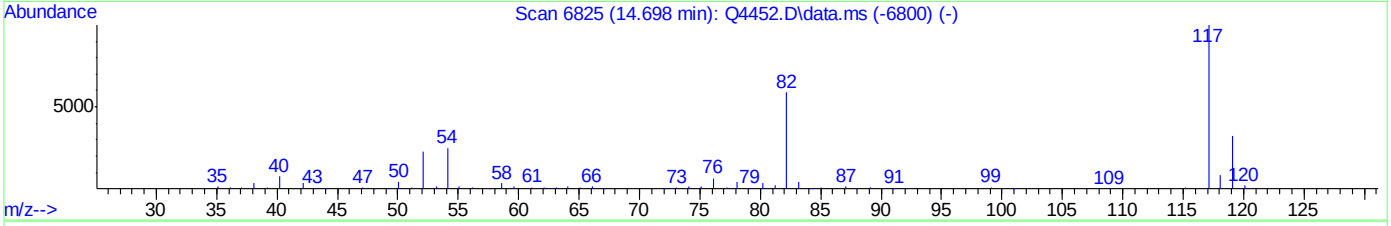
Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\
Data File : Q4460.D
Acq On : 31 Aug 2007 1:02 pm
Operator : danat
Sample : m67318-2 (M075)
Misc : MS14204, MSQ234,,,,,1
ALS Vial : 15 Sample Multiplier: 1

Quant Time: Aug 31 13:31:09 2007
Quant Method : C:\msdchem\1\METHODS\Q083007T.m
Quant Title : TO15 by GCMS w/DB-1 60 m X .25 mm ID 1.0 um
QLast Update : Fri Aug 31 09:48:44 2007
Response via : Initial Calibration







TIC: Q4460.D\data.ms

(49) CHLOROBENZENE-D5 (I)

14.698min (-14.698) 0.00PPBV

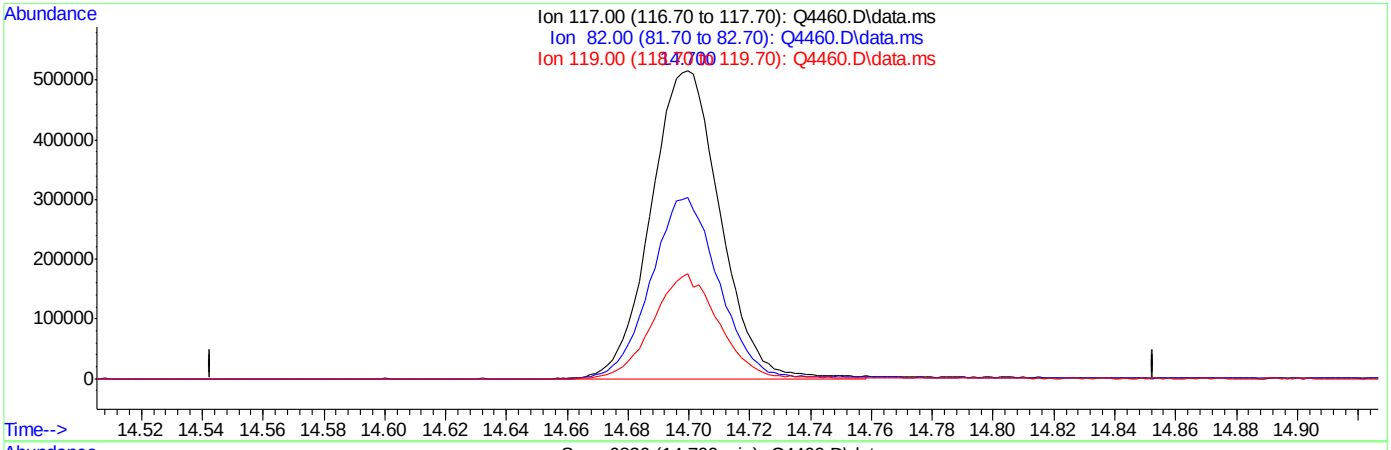
response 0

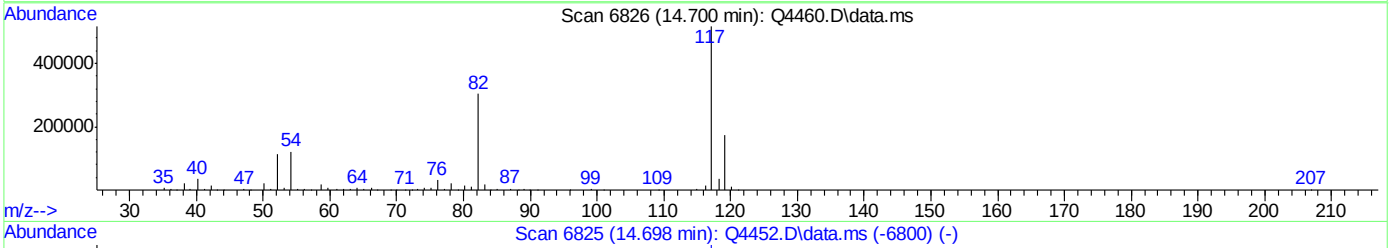
Ion	Exp%	Act%
117.00	100	0.00
82.00	58.30	0.00#
119.00	32.30	0.00#
0.00	0.00	0.00

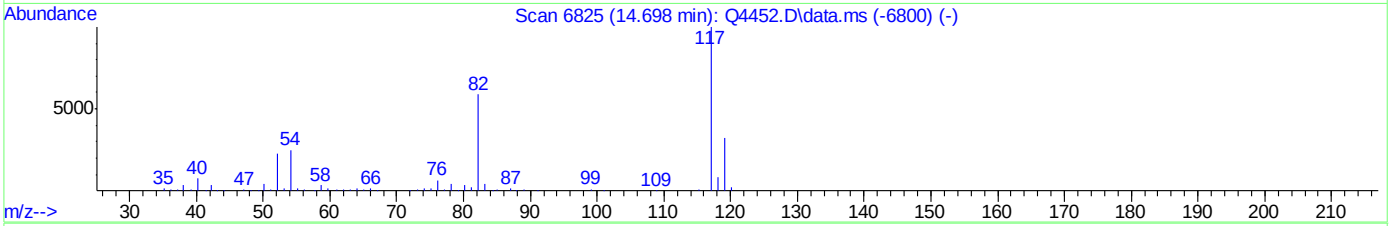
Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\
Data File : Q4460.D
Acq On : 31 Aug 2007 1:02 pm
Operator : danat
Sample : m67318-2 (M075)
Misc : MS14204, MSQ234,,,,,1
ALS Vial : 15 Sample Multiplier: 1

Quant Time: Aug 31 13:31:09 2007
Quant Method : C:\msdchem\1\METHODS\Q083007T.m
Quant Title : TO15 by GCMS w/DB-1 60 m X .25 mm ID 1.0 um
QLast Update : Fri Aug 31 09:48:44 2007
Response via : Initial Calibration







TIC: Q4460.D\data.ms

(49) CHLOROBENZENE-D5 (I)

14.700min (+0.002) 10.00PPBV m

response 816762

Ion	Exp%	Act%
117.00	100	100
82.00	58.30	0.00#
119.00	32.30	0.00#
0.00	0.00	0.00

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\
Data File : Q4418.D
Acq On : 28 Aug 2007 5:30 pm
Operator : danat
Sample : mb (M019)
Misc : MS14080, MSQ233,,,,,1
ALS Vial : 4 Sample Multiplier: 1

Quant Time: Aug 29 14:42:13 2007
Quant Method : C:\msdchem\1\METHODS\Q082707T.m
Quant Title : TO15 by GCMS w/DB-1 60 m X .25 mm ID 1.0 um
QLast Update : Mon Aug 27 15:05:38 2007
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) BROMOCHLOROMETHANE	8.628	128	276392	10.00	PPBV	0.00
35) 1,4-DIFLUOROBENZENE	10.456	114	1254395	10.00	PPBV	0.00
49) CHLOROBENZENE-D5	14.698	117	779522	10.00	PPBV	0.00

System Monitoring Compounds

61) 4-BROMOFLUOROBENZENE	16.322	95	130461	3.94	PPBV	0.00

Spiked Amount 5.000 Range 57 - 139 Recovery = 78.80%

Target Compounds	Qvalue

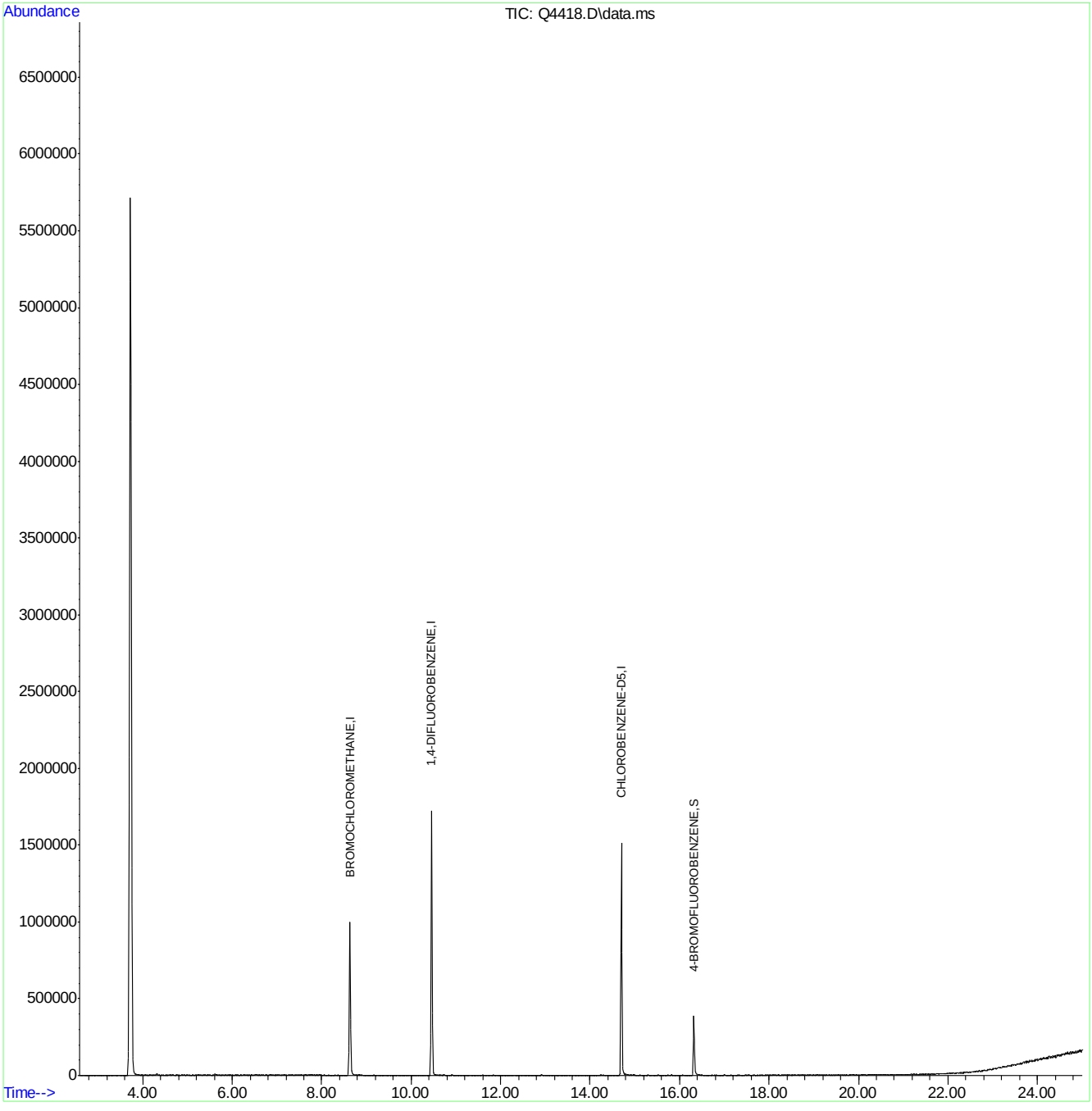
(#) = qualifier out of range (m) = manual integration (+) = signals summed

ACCUTEST Laboratories M67318

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\
Data File : Q4418.D
Acq On : 28 Aug 2007 5:30 pm
Operator : danat
Sample : mb (M019)
Misc : MS14080, MSQ233,,,,,1
ALS Vial : 4 Sample Multiplier: 1

Quant Time: Aug 29 14:42:13 2007
Quant Method : C:\msdchem\1\METHODS\Q082707T.m
Quant Title : TO15 by GCMS w/DB-1 60 m X .25 mm ID 1.0 um
QLast Update : Mon Aug 27 15:05:38 2007
Response via : Initial Calibration



Q082707T.m Wed Aug 29 14:42:19 2007 RPT1 Page: 2

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\
Data File : Q4457.D
Acq On : 31 Aug 2007 10:49 am
Operator : danat
Sample : mb (M130)
Misc : MS14204, MSQ234,,,,,1
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Aug 31 11:40:00 2007
Quant Method : C:\msdchem\1\METHODS\Q083007T.m
Quant Title : TO15 by GCMS w/DB-1 60 m X .25 mm ID 1.0 um
QLast Update : Fri Aug 31 09:48:44 2007
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) BROMOCHLOROMETHANE	8.630	128	287457	10.00	PPBV	0.00
35) 1,4-DIFLUOROBENZENE	10.456	114	1262634	10.00	PPBV	0.00
49) CHLOROBENZENE-D5	14.700	117	972033	10.00	PPBV	0.00

System Monitoring Compounds

61) 4-BROMOFLUOROBENZENE	16.320	95	241160	3.68	PPBV	0.00

Spiked Amount 5.000 Range 57 - 139 Recovery = 73.60%

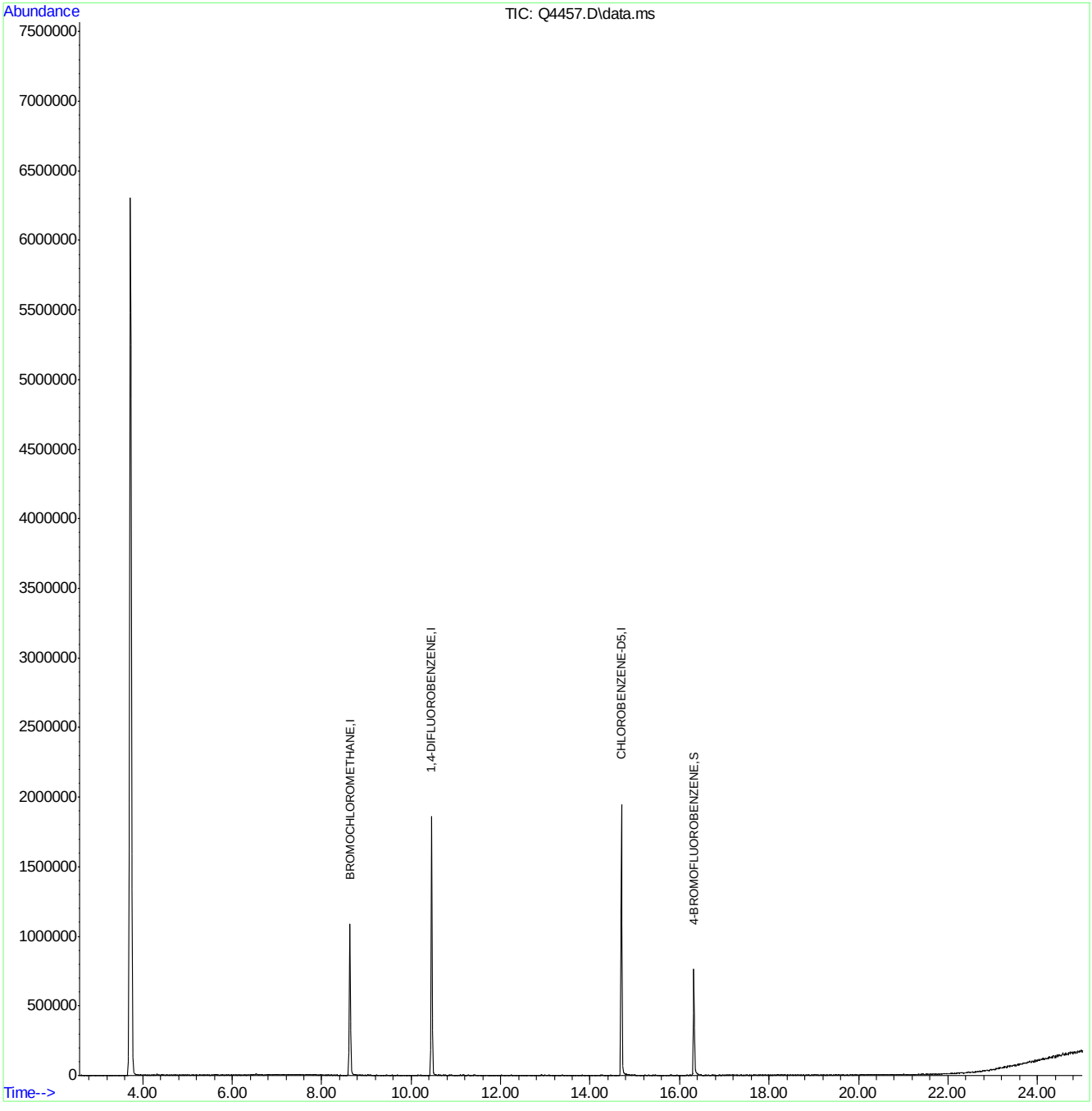
Target Compounds	Qvalue

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

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\
Data File : Q4457.D
Acq On : 31 Aug 2007 10:49 am
Operator : danat
Sample : mb (M130)
Misc : MS14204, MSQ234,,,,,1
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Aug 31 11:40:00 2007
Quant Method : C:\msdchem\1\METHODS\Q083007T.m
Quant Title : TO15 by GCMS w/DB-1 60 m X .25 mm ID 1.0 um
QLast Update : Fri Aug 31 09:48:44 2007
Response via : Initial Calibration



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

6.2.3

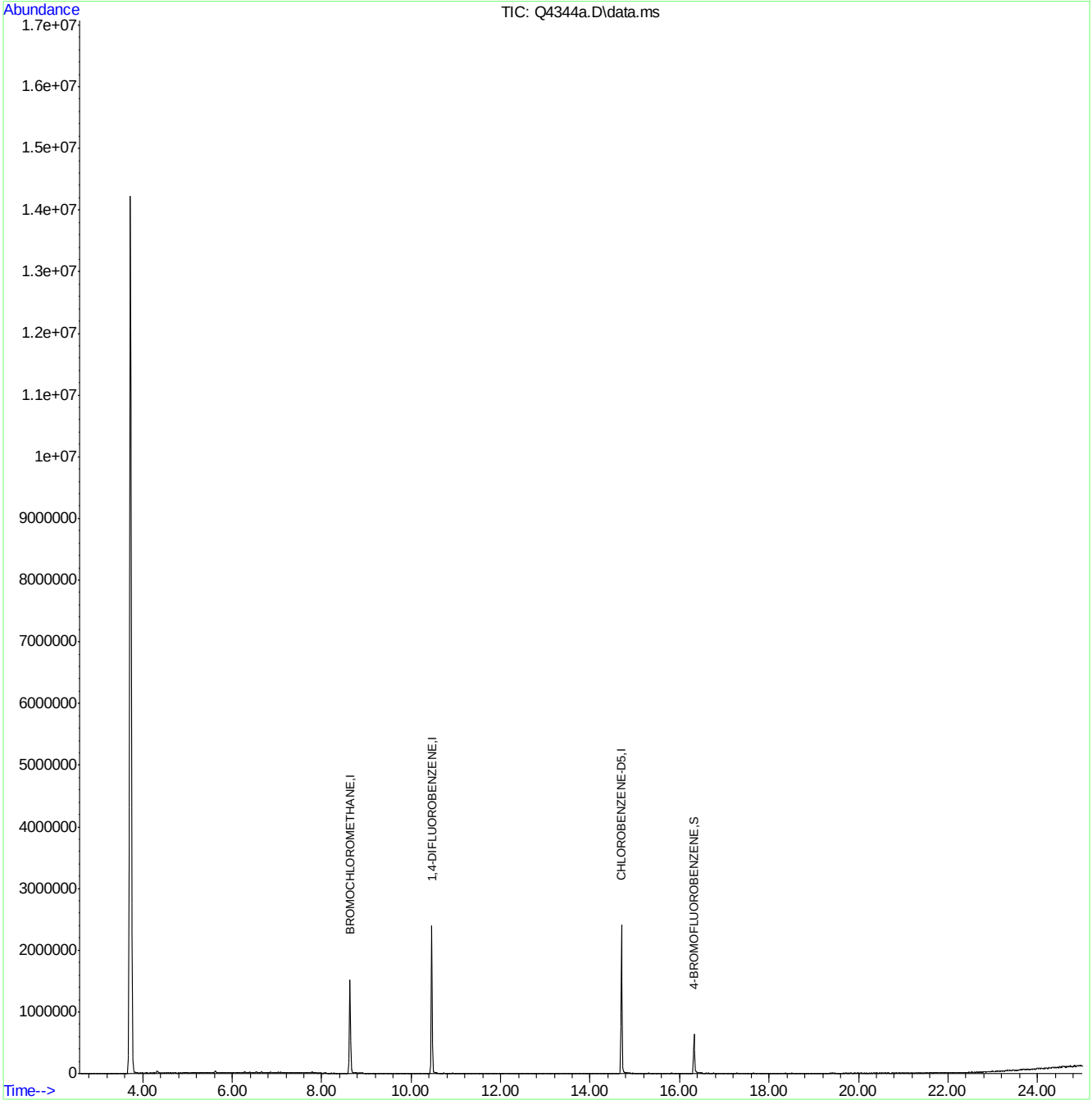
6

ACCUTEST Laboratories M67318

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



Q082007T.m Fri Aug 31 15:00:42 2007 RPT1 Page: 2

ACCUTEST Laboratories M67318

Manual Integrations APPROVED (compounds with "m" flag)
Philip Bassignani
08/29/07 18:21

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\
Data File : Q4416a.D
Acq On : 28 Aug 2007 4:05 pm
Operator : danat
Sample : bs (M055)
Misc : MS14080, MSQ233,,,,,1
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Aug 29 14:41:07 2007
Quant Method : C:\msdchem\1\METHODS\Q082707T.m
Quant Title : TO15 by GCMS w/DB-1 60 m X .25 mm ID 1.0 um
QLast Update : Mon Aug 27 15:05:38 2007
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) BROMOCHLOROMETHANE	8.628	128	293497	10.00	PPBV	0.00
35) 1,4-DIFLUOROBENZENE	10.456	114	1385223	10.00	PPBV	0.00
49) CHLOROBENZENE-D5	14.699	117	880274	10.00	PPBV	0.00
System Monitoring Compounds						
61) 4-BROMOFLUOROBENZENE	16.316	95	197446	5.28	PPBV	0.00
Spiked Amount 5.000	Range 57 - 139		Recovery = 105.60%			
Target Compounds						Qvalue
2) DICHLORODIFLUOROMETHANE	4.035	85	1328167	10.06	PPBV	99
3) PROPYLENE	3.966	41	223345	10.10	PPBV	97
4) FREON 114	4.294	85	1244596	9.97	PPBV	98
5) CHLOROMETHANE	4.202	50	293060	10.50	PPBV	97
6) VINYL CHLORIDE	4.420	62	353206	10.34	PPBV	99
7) 1,3-BUTADIENE	4.553	39	247472	10.38	PPBV	95
8) BROMOMETHANE	4.833	94	419641	10.26	PPBV	100
9) CHLOROETHANE	5.006	64	157893	11.28	PPBV	98
10) TRICHLOROFLUOROMETHANE	5.788	101	1278135	9.96	PPBV	100
11) ISOPROPYL ALCOHOL	5.820	45	381151	10.19	PPBV	88
12) ACETONE	5.595	43	357526	10.43	PPBV	99
13) PENTANE	6.136	42	276929	10.01	PPBV	97
14) 1,1-DICHLOROETHYLENE	6.420	96	366321	10.17	PPBV	97
15) CARBON DISULFIDE	6.853	76	1034836	10.66	PPBV	99
16) ETHANOL	5.094	45	83752	10.03	PPBV	100
17) BROMOETHENE	5.364	106	385330	10.07	PPBV	99
18) METHYLENE CHLORIDE	6.537	84	323990	10.82	PPBV	98
19) 3-CHLOROPROPENE	6.656	39	263817	12.26	PPBV	98
20) FREON 113	6.795	151	742815	10.08	PPBV	97
21) TRANS-1,2-DICHLOROETHY...	7.464	96	350822	10.86	PPBV	99
22) TERTIARY BUTYL ALCOHOL	6.424	59	558862	11.05	PPBV	97
23) METHYL TERTIARY BUTYL ...	7.703	73	658753	10.71	PPBV	98
24) TETRAHYDROFURAN	9.136	42	220474	11.86	PPBV	97
25) HEXANE	8.663	57	427757	9.87	PPBV	97
26) VINYL ACETATE	7.783	43	434537	10.67	PPBV	98
27) 1,1-DICHLOROETHANE	7.659	63	579787	11.74	PPBV	100
28) METHYL ETHYL KETONE	8.026	43	457633	10.66	PPBV	98
29) cis-1,2-DICHLOROETHYLENE	8.465	96	319321	11.41	PPBV	97
30) ETHYL ACETATE	8.660	43	722245	10.68	PPBV	100
31) CHLOROFORM	8.749	83	818135	11.34	PPBV	99
32) 1,1,1-TRICHLOROETHANE	9.703	97	804986	11.23	PPBV	98
33) CARBON TETRACHLORIDE	10.282	117	965514	11.06	PPBV	99
34) 1,2-DICHLOROETHANE	9.457	62	455618	11.59	PPBV	99
36) BENZENE	10.144	78	833111	11.52	PPBV	99
37) CYCLOHEXANE	10.406	84	394582	11.60	PPBV	99
38) TRICHLOROETHYLENE	11.137	95	475665	11.47	PPBV	98
39) 1,2-DICHLOROPROPANE	10.916	63	285334	11.46	PPBV	99
40) BROMODICHLOROMETHANE	11.102	83	794102	11.31	PPBV	98
41) 2,2,4-TRIMETHYLPENTANE	11.162	57	1428235	12.46	PPBV	98
42) 1,4-DIOXANE	11.129	88	158837	11.30	PPBV	98
43) HEPTANE	11.400	43	500028	12.87	PPBV	98

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\
Data File : Q4416a.D
Acq On : 28 Aug 2007 4:05 pm
Operator : danat
Sample : bs (M055)
Misc : MS14080, MSQ233,,,,,1
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Aug 29 14:41:07 2007
Quant Method : C:\msdchem\1\METHODS\Q082707T.m
Quant Title : TO15 by GCMS w/DB-1 60 m X .25 mm ID 1.0 um
QLast Update : Mon Aug 27 15:05:38 2007
Response via : Initial Calibration

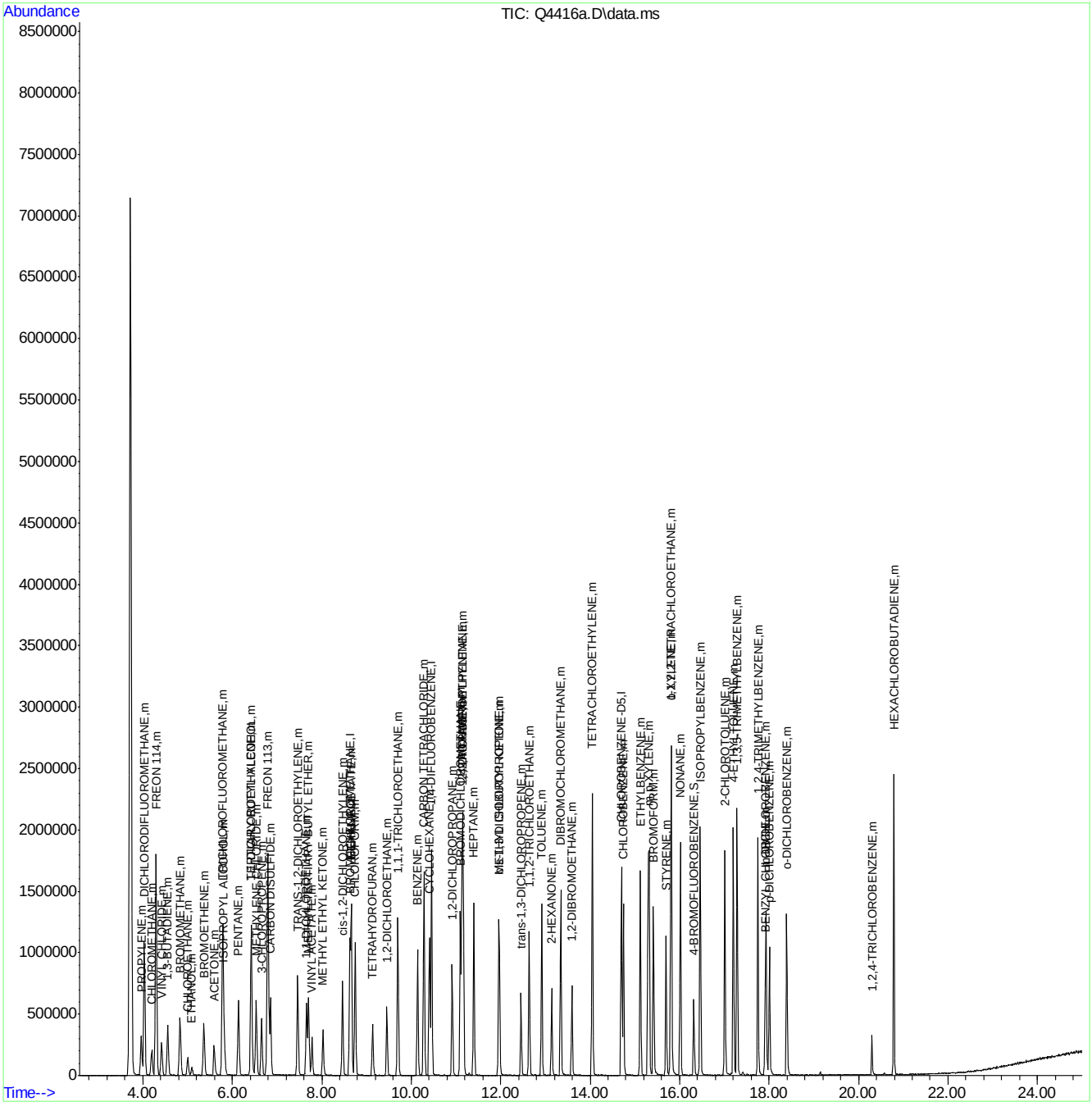
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) METHYL ISOBUTYL KETONE	11.972	43	569007	12.10	PPBV	99
45) cis-1,3-DICHLOROPROPENE	11.956	75	402510	11.81	PPBV	98
46) TOLUENE	12.918	92	530132	10.24	PPBV	100
47) trans-1,3-DICHLOROPROPENE	12.456	75	316376	9.49	PPBV	98
48) 1,1,2-TRICHLOROETHANE	12.637	83	294472	11.46	PPBV	99
50) 2-HEXANONE	13.141	43	455453	9.98	PPBV	96
51) TETRACHLOROETHYLENE	14.052	164	468401	10.86	PPBV	98
52) DIBROMOCHLOROMETHANE	13.344	129	748399	11.58	PPBV	100
53) 1,2-DIBROMOETHANE	13.594	107	459037	10.87	PPBV	99
54) CHLOROBENZENE	14.746	112	700802	11.02	PPBV	99
55) ETHYLBENZENE	15.125	91	1128091	11.76	PPBV	100
56) m,p-XYLENE	15.317	106	874164	20.89	PPBV	99
57) o-XYLENE	15.814	106	450545	10.54	PPBV	100
58) STYRENE	15.699	104	521499	9.41	PPBV	98
59) NONANE	16.018	43	623349	13.42	PPBV	99
60) BROMOFORM	15.416	173	653175m	10.24	PPBV	
62) 1,1,2,2-TETRACHLOROETHANE	15.803	83	713938	12.09	PPBV	99
63) ISOPROPYLBENZENE	16.464	105	1347923	11.91	PPBV	99
64) 2-CHLOROTOLUENE	17.012	91	962357	10.38	PPBV	98
65) 4-ETHYLTOLUENE	17.200	105	1178144	9.96	PPBV	100
66) 1,3,5-TRIMETHYLBENZENE	17.285	105	1117252	10.37	PPBV	100
67) 1,2,4-TRIMETHYLBENZENE	17.750	105	982833	10.00	PPBV	99
68) m-DICHLOROBENZENE	17.933	146	471287	8.94	PPBV	99
69) BENZYL CHLORIDE	17.910	91	421459	8.30	PPBV	99
70) p-DICHLOROBENZENE	18.009	146	395204	8.32	PPBV	100
71) o-DICHLOROBENZENE	18.395	146	497001	9.43	PPBV	99
72) HEXACHLOROBUTADIENE	20.792	225	357959	12.99	PPBV	100
73) 1,2,4-TRICHLOROBENZENE	20.301	180	84233	7.93	PPBV	93

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

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\
Data File : Q4416a.D
Acq On : 28 Aug 2007 4:05 pm
Operator : danat
Sample : bs (M055)
Misc : MS14080, MSQ233,,,,,1
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Aug 29 14:41:07 2007
Quant Method : C:\msdchem\1\METHODS\Q082707T.m
Quant Title : TO15 by GCMS w/DB-1 60 m X .25 mm ID 1.0 um
QLast Update : Mon Aug 27 15:05:38 2007
Response via : Initial Calibration

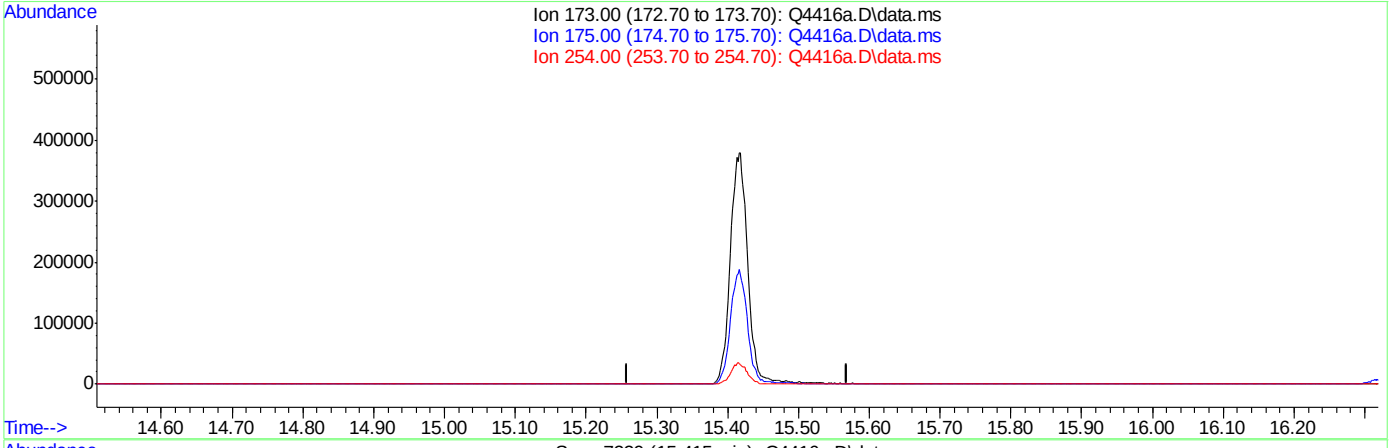


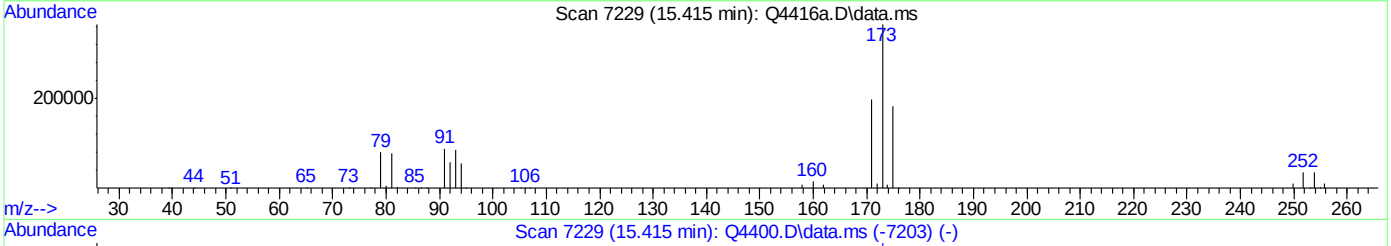
ACCUTEST Laboratories M67318

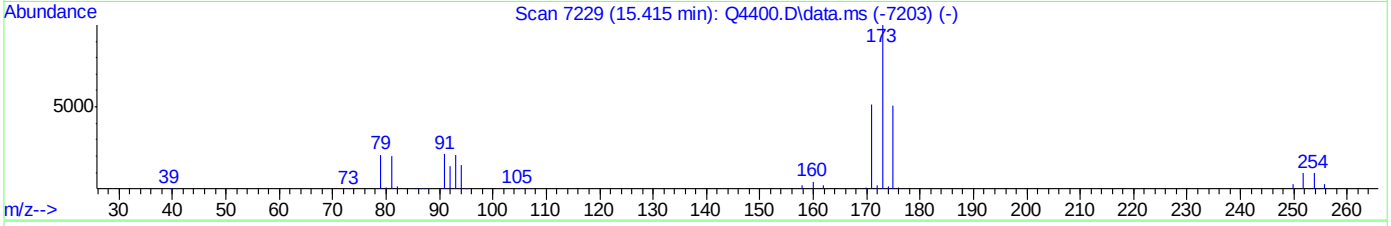
Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\
Data File : Q4416a.D
Acq On : 28 Aug 2007 4:05 pm
Operator : danat
Sample : bs (M055)
Misc : MS14080, MSQ233,,,,,1
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Aug 28 16:38:07 2007
Quant Method : C:\msdchem\1\METHODS\Q082707T.m
Quant Title : TO15 by GCMS w/DB-1 60 m X .25 mm ID 1.0 um
QLast Update : Mon Aug 27 15:05:38 2007
Response via : Initial Calibration







TIC: Q4416a.D\data.ms

(60) BROMOFORM (m)

15.414min (-15.414) 0.00PPBV

response 0

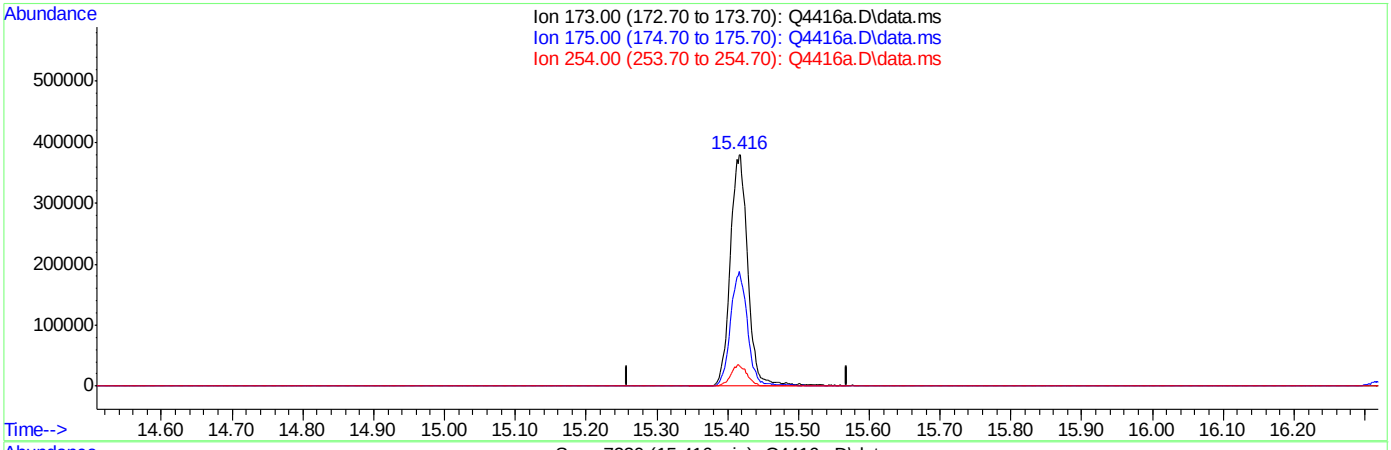
Ion	Exp%	Act%
173.00	100	0.00
175.00	48.70	0.00#
254.00	9.10	0.00
0.00	0.00	0.00

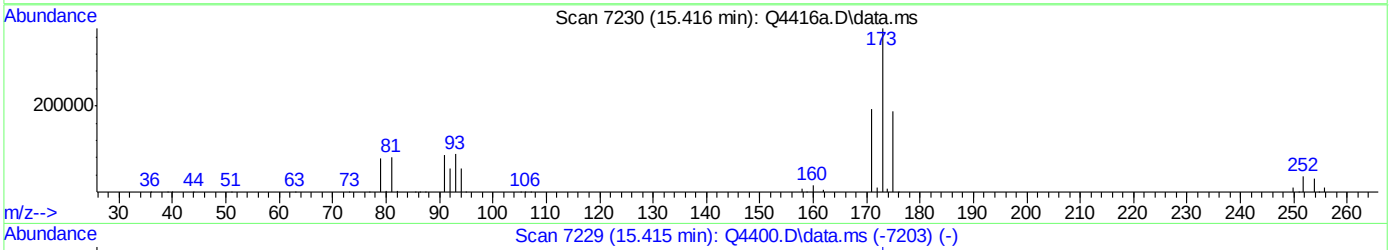
ACCUTEST Laboratories M67318

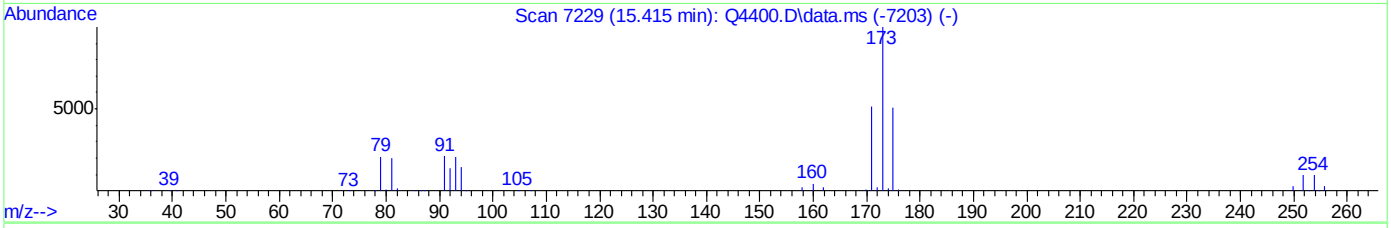
Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\
Data File : Q4416a.D
Acq On : 28 Aug 2007 4:05 pm
Operator : danat
Sample : bs (M055)
Misc : MS14080, MSQ233,,,,,1
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Aug 28 16:38:07 2007
Quant Method : C:\msdchem\1\METHODS\Q082707T.m
Quant Title : TO15 by GCMS w/DB-1 60 m X .25 mm ID 1.0 um
QLast Update : Mon Aug 27 15:05:38 2007
Response via : Initial Calibration







TIC: Q4416a.D\data.ms

(60) BROMOFORM (m)

15.416min (+0.002) 10.24PPBV m

response 653175

Ion	Exp%	Act%
173.00	100	100
175.00	48.70	0.00#
254.00	9.10	0.00
0.00	0.00	0.00

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\
Data File : Q4455b.D
Acq On : 31 Aug 2007 9:16 am
Operator : danat
Sample : bs (M217)
Misc : MS14204, MSQ234,,,,,1
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Aug 31 11:38:59 2007
Quant Method : C:\msdchem\1\METHODS\Q083007T.m
Quant Title : TO15 by GCMS w/DB-1 60 m X .25 mm ID 1.0 um
QLast Update : Fri Aug 31 09:48:44 2007
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) BROMOCHLOROMETHANE	8.626	128	267671	10.00	PPBV	0.00
35) 1,4-DIFLUOROBENZENE	10.456	114	1158854	10.00	PPBV	0.00
49) CHLOROBENZENE-D5	14.699	117	955060	10.00	PPBV	0.00

System Monitoring Compounds

61) 4-BROMOFLUOROBENZENE	16.320	95	326825	5.07	PPBV	0.00

Spiked Amount 5.000 Range 57 - 139 Recovery = 101.40%

Target Compounds						Qvalue
2) DICHLORODIFLUOROMETHANE	4.038	85	1262105	8.78	PPBV	99
3) PROPYLENE	3.969	41	259659	10.06	PPBV	97
4) FREON 114	4.298	85	1076085	8.23	PPBV	97
5) CHLOROMETHANE	4.198	50	290593	9.10	PPBV	99
6) VINYL CHLORIDE	4.422	62	335852	8.63	PPBV	99
7) 1,3-BUTADIENE	4.558	39	226553	8.51	PPBV	99
8) BROMOMETHANE	4.835	94	372146	8.59	PPBV	99
9) CHLOROETHANE	5.002	64	150702	9.41	PPBV	99
10) TRICHLOROFLUOROMETHANE	5.787	101	1156290	8.21	PPBV	99
11) ISOPROPYL ALCOHOL	5.819	45	498011	9.42	PPBV	93
12) ACETONE	5.593	43	454990	11.31	PPBV	99
13) PENTANE	6.138	42	321567	8.22	PPBV	98
14) 1,1-DICHLOROETHYLENE	6.424	96	369250	8.60	PPBV	94
15) CARBON DISULFIDE	6.853	76	1143400	8.99	PPBV	99
16) ETHANOL	5.093	45	114657	9.44	PPBV	99
17) BROMOETHENE	5.362	106	353355	8.74	PPBV	99
18) METHYLENE CHLORIDE	6.536	84	339461	8.52	PPBV	95
19) 3-CHLOROPROPENE	6.651	39	302532	9.06	PPBV	99
20) FREON 113	6.798	151	676803	8.06	PPBV	99
21) TRANS-1,2-DICHLOROETHY...	7.464	96	361189	8.67	PPBV	97
22) TERTIARY BUTYL ALCOHOL	6.425	59	634955	9.69	PPBV	99
23) METHYL TERTIARY BUTYL ...	7.703	73	747077	9.52	PPBV	99
24) TETRAHYDROFURAN	9.134	42	257483	8.77	PPBV	97
25) HEXANE	8.660	57	469427	8.75	PPBV	99
26) VINYL ACETATE	7.781	43	619676	10.14	PPBV	99
27) 1,1-DICHLOROETHANE	7.657	63	645467	9.32	PPBV	99
28) METHYL ETHYL KETONE	8.025	43	550019	10.00	PPBV	98
29) cis-1,2-DICHLOROETHYLENE	8.465	96	348103	10.16	PPBV	95
30) ETHYL ACETATE	8.658	43	858048	9.57	PPBV	100
31) CHLOROFORM	8.749	83	870694	9.53	PPBV	99
32) 1,1,1-TRICHLOROETHANE	9.703	97	856584	9.40	PPBV	99
33) CARBON TETRACHLORIDE	10.284	117	1027914	9.28	PPBV	100
34) 1,2-DICHLOROETHANE	9.455	62	507308	9.49	PPBV	99
36) BENZENE	10.144	78	883194	9.96	PPBV	99
37) CYCLOHEXANE	10.406	84	443998	11.26	PPBV	97
38) TRICHLOROETHYLENE	11.139	95	537795	10.92	PPBV	98
39) 1,2-DICHLOROPROPANE	10.914	63	313898	10.21	PPBV	100
40) BROMODICHLOROMETHANE	11.097	83	879679	10.20	PPBV	100
41) 2,2,4-TRIMETHYLPENTANE	11.161	57	1620276	11.18	PPBV	99
42) 1,4-DIOXANE	11.129	88	110422	7.18	PPBV #	77
43) HEPTANE	11.398	43	576178	9.80	PPBV	98

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\
Data File : Q4455b.D
Acq On : 31 Aug 2007 9:16 am
Operator : danat
Sample : bs (M217)
Misc : MS14204, MSQ234,,,,,1
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Aug 31 11:38:59 2007
Quant Method : C:\msdchem\1\METHODS\Q083007T.m
Quant Title : TO15 by GCMS w/DB-1 60 m X .25 mm ID 1.0 um
QLast Update : Fri Aug 31 09:48:44 2007
Response via : Initial Calibration

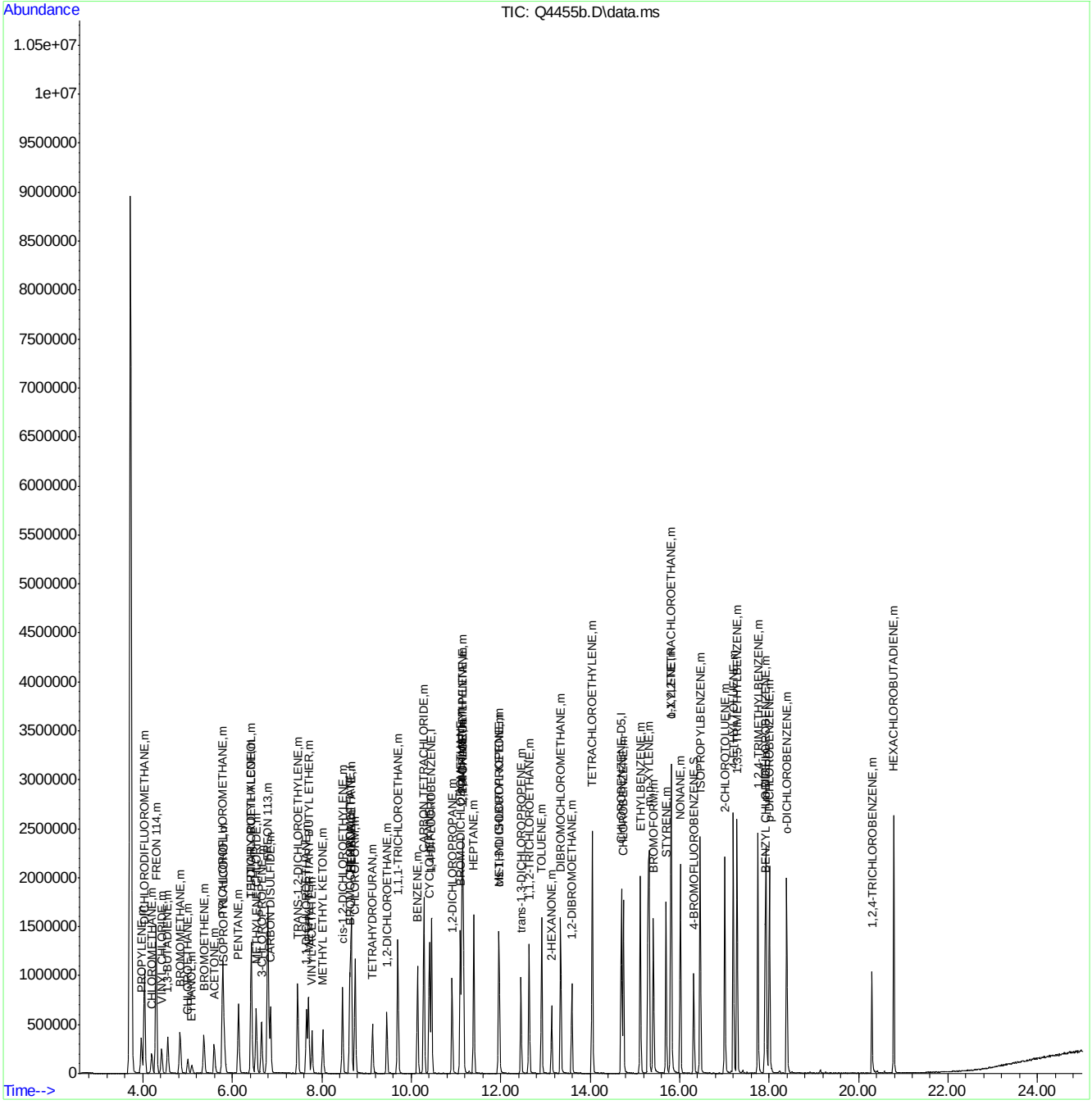
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) METHYL ISOBUTYL KETONE	11.970	43	549059	9.71	PPBV	98
45) cis-1,3-DICHLOROPROPENE	11.954	75	481562	9.71	PPBV	94
46) TOLUENE	12.916	92	601636	10.66	PPBV	99
47) trans-1,3-DICHLOROPROPENE	12.454	75	461351	10.29	PPBV	98
48) 1,1,2-TRICHLOROETHANE	12.637	83	328056	10.19	PPBV	98
50) 2-HEXANONE	13.139	43	423285	7.16	PPBV	100
51) TETRACHLOROETHYLENE	14.048	164	506212	10.62	PPBV	98
52) DIBROMOCHLOROMETHANE	13.344	129	797130	10.19	PPBV	100
53) 1,2-DIBROMOETHANE	13.590	107	576946	10.77	PPBV	99
54) CHLOROBENZENE	14.744	112	888610	10.49	PPBV	98
55) ETHYLBENZENE	15.120	91	1342947	10.39	PPBV	99
56) m,p-XYLENE	15.317	106	1069354	20.74	PPBV	92
57) o-XYLENE	15.816	106	531605	10.36	PPBV	99
58) STYRENE	15.697	104	765191	10.35	PPBV	99
59) NONANE	16.018	43	724240	9.56	PPBV	100
60) BROMOFORM	15.415	173	742451	10.91	PPBV	99
62) 1,1,2,2-TETRACHLOROETHANE	15.803	83	848001	11.19	PPBV	99
63) ISOPROPYLBENZENE	16.460	105	1566642	10.43	PPBV	99
64) 2-CHLOROTOLUENE	17.012	91	1169237	10.28	PPBV	99
65) 4-ETHYLTOLUENE	17.200	105	1499584	10.05	PPBV	100
66) 1,3,5-TRIMETHYLBENZENE	17.285	105	1330144	9.86	PPBV	99
67) 1,2,4-TRIMETHYLBENZENE	17.749	105	1216173	10.01	PPBV	99
68) m-DICHLOROBENZENE	17.933	146	811839	12.43	PPBV	99
69) BENZYL CHLORIDE	17.910	91	933946	10.70	PPBV	99
70) p-DICHLOROBENZENE	18.006	146	799353	12.92	PPBV	99
71) o-DICHLOROBENZENE	18.395	146	720249	12.38	PPBV	99
72) HEXACHLOROBUTADIENE	20.790	225	383676	11.69	PPBV	100
73) 1,2,4-TRICHLOROBENZENE	20.299	180	266564	12.30	PPBV	97

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

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\
Data File : Q4455b.D
Acq On : 31 Aug 2007 9:16 am
Operator : danat
Sample : bs (M217)
Misc : MS14204, MSQ234,,,,,1
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Aug 31 11:38:59 2007
Quant Method : C:\msdchem\1\METHODS\Q083007T.m
Quant Title : TO15 by GCMS w/DB-1 60 m X .25 mm ID 1.0 um
QLast Update : Fri Aug 31 09:48:44 2007
Response via : Initial Calibration



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

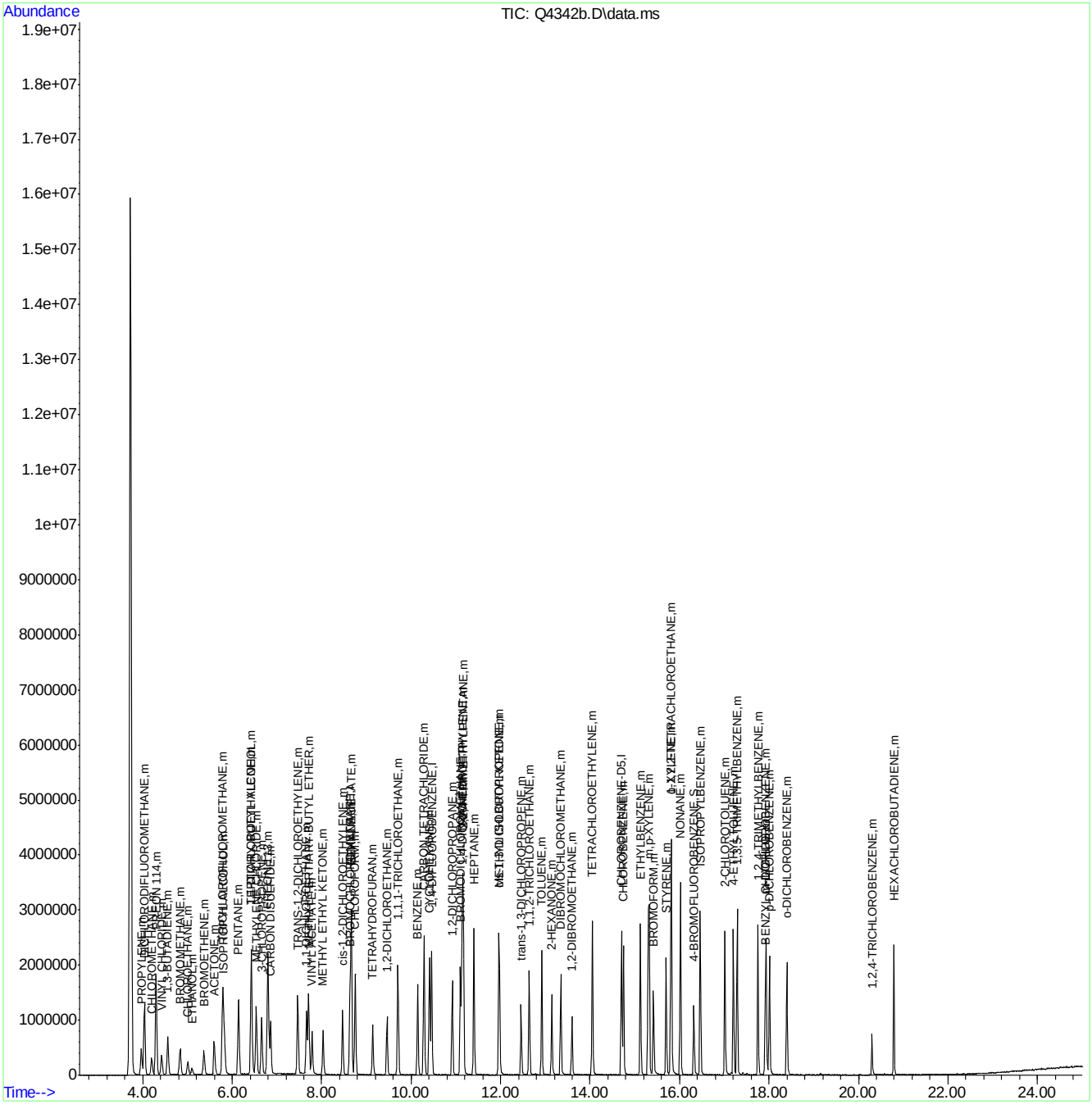
Internal Standards	R.T.	QIon	Response	Conc Units	Dev(Min)
44) METHYL ISOBUTYL KETONE	11.972	43	1162331	12.00 PPBV	100
45) cis-1,3-DICHLOROPROPENE	11.958	75	612581	13.57 PPBV	94
46) TOLUENE	12.918	92	681659	9.90 PPBV	100
47) trans-1,3-DICHLOROPROPENE	12.458	75	456142	15.37 PPBV	99
48) 1,1,2-TRICHLOROETHANE	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
M67318

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\
Data File : Q4420.D
Acq On : 29 Aug 2007 8:53 am
Operator : danat
Sample : m67317-1dup (M134)
Misc : MS14204, MSQ233,,,,,1
ALS Vial : 5 Sample Multiplier: 1

Quant Time: Aug 29 15:05:23 2007
Quant Method : C:\msdchem\1\METHODS\Q082707T.m
Quant Title : TO15 by GCMS w/DB-1 60 m X .25 mm ID 1.0 um
QLast Update : Mon Aug 27 15:05:38 2007
Response via : Initial Calibration

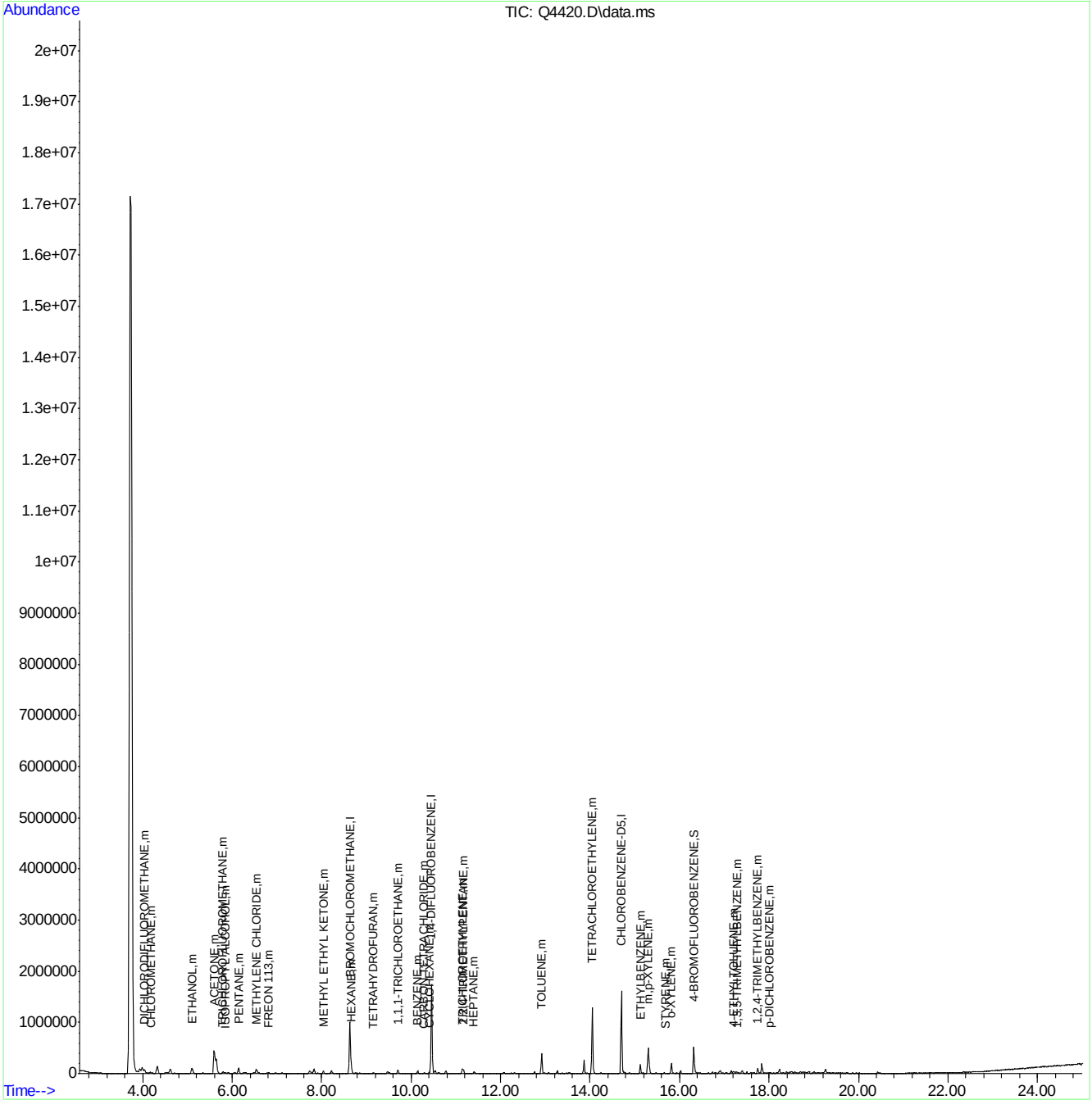
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) BROMOCHLOROMETHANE	8.628	128	278467	10.00	PPBV	0.00
35) 1,4-DIFLUOROBENZENE	10.458	114	1277308	10.00	PPBV	0.00
49) CHLOROBENZENE-D5	14.698	117	838267	10.00	PPBV	0.00
System Monitoring Compounds						
61) 4-BROMOFLUOROBENZENE	16.318	95	170439	4.78	PPBV	0.00
Spiked Amount 5.000	Range 57 - 139		Recovery = 95.60%			
Target Compounds						Qvalue
2) DICHLORODIFLUOROMETHANE	4.033	85	79910	0.64	PPBV	98
5) CHLOROMETHANE	4.198	50	18075	0.68	PPBV	97
10) TRICHLOROFLUOROMETHANE	5.787	101	38710	0.32	PPBV	98
11) ISOPROPYL ALCOHOL	5.836	45	11492	0.32	PPBV	75
12) ACETONE	5.597	43	805310	24.43	PPBV	96
13) PENTANE	6.147	42	45816	1.74	PPBV	96
16) ETHANOL	5.100	45	136745	17.22	PPBV	99
18) METHYLENE CHLORIDE	6.543	84	40430	1.06	PPBV	96
20) FREON 113	6.795	151	8010	0.11	PPBV	95
24) TETRAHYDROFURAN	9.155	42	7717	0.44	PPBV #	43
25) HEXANE	8.671	57	33361	0.81	PPBV	84
28) METHYL ETHYL KETONE	8.041	43	54512	1.34	PPBV	91
32) 1,1,1-TRICHLOROETHANE	9.704	97	48270	0.71	PPBV	97
33) CARBON TETRACHLORIDE	10.284	117	8795	0.11	PPBV	96
36) BENZENE	10.146	78	47619	0.71	PPBV	99
37) CYCLOHEXANE	10.410	84	7695	0.25	PPBV	97
38) TRICHLOROETHYLENE	11.138	95	20979	0.55	PPBV	96
41) 2,2,4-TRIMETHYLPENTANE	11.164	57	44648	0.42	PPBV #	79
43) HEPTANE	11.400	43	13239	0.37	PPBV	95
46) TOLUENE	12.918	92	136264	2.86	PPBV	99
51) TETRACHLOROETHYLENE	14.047	164	260323	6.34	PPBV	97
55) ETHYLBENZENE	15.124	91	119816	1.31	PPBV	97
56) m,p-XYLENE	15.296	106	167041	4.90	PPBV	98
57) o-XYLENE	15.820	106	47801	1.52	PPBV	98
58) STYRENE	15.692	104	1903	0.50	PPBV #	75
65) 4-ETHYLTOLUENE	17.200	105	14877	0.61	PPBV	99
66) 1,3,5-TRIMETHYLBENZENE	17.287	105	12517	0.54	PPBV	95
67) 1,2,4-TRIMETHYLBENZENE	17.749	105	35082	0.86	PPBV	94
70) p-DICHLOROBENZENE	18.013	146	4013	0.48	PPBV	94

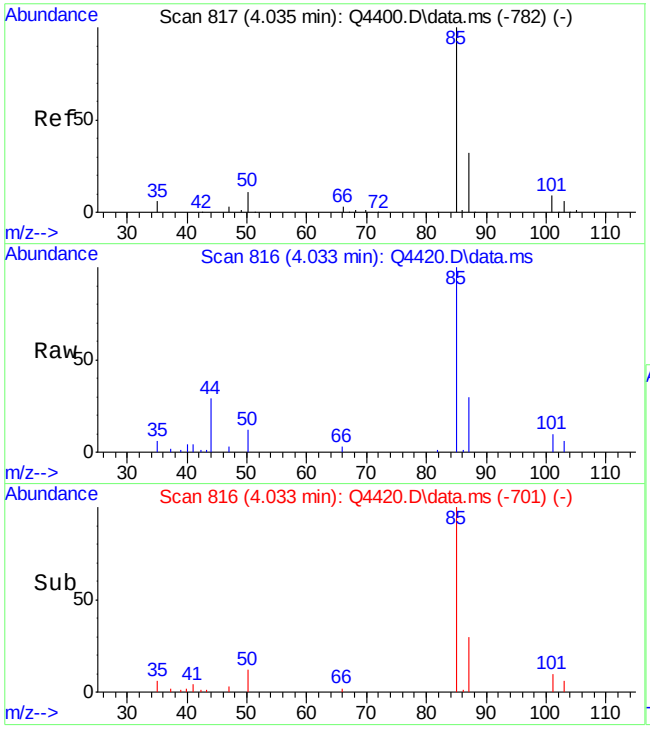
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\
Data File : Q4420.D
Acq On : 29 Aug 2007 8:53 am
Operator : danat
Sample : m67317-1dup (M134)
Misc : MS14204, MSQ233,,,,,1
ALS Vial : 5 Sample Multiplier: 1

Quant Time: Aug 29 15:05:23 2007
Quant Method : C:\msdchem\1\METHODS\Q082707T.m
Quant Title : TO15 by GCMS w/DB-1 60 m X .25 mm ID 1.0 um
QLast Update : Mon Aug 27 15:05:38 2007
Response via : Initial Calibration

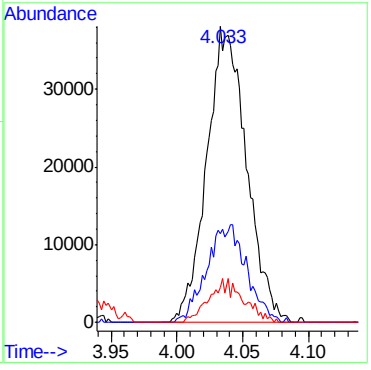


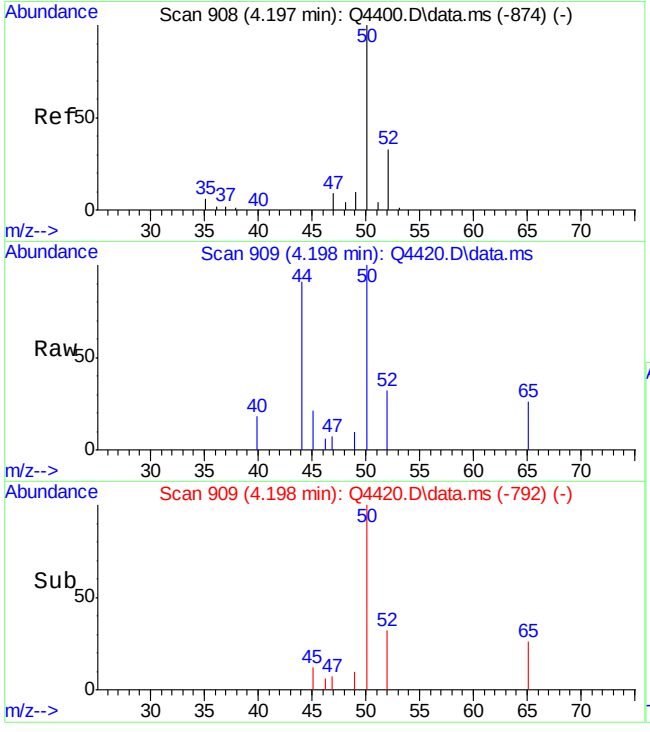


#2
DICHLORODIFLUOROMETHANE
Concen: 0.64 PPBV
RT: 4.033 min Scan# 816
Delta R.T. -0.002 min
Lab File: Q4420.D
Acq: 29 Aug 2007 8:53 am

Tgt Ion: 85 Resp: 79910

Ion	Ratio	Lower	Upper
85	100		
87	33.3	12.1	52.1
50	12.5	0.0	31.5

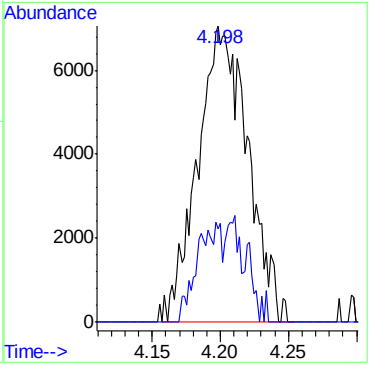




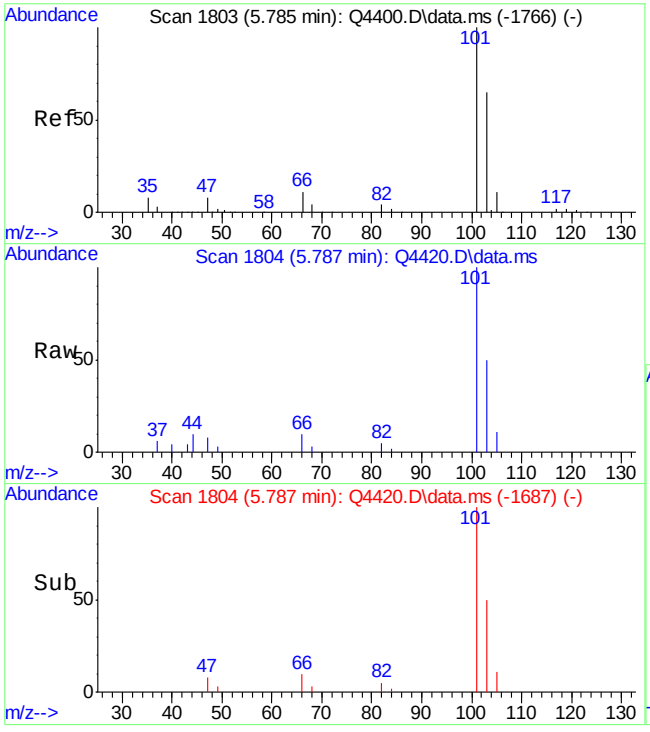
#5
CHLOROMETHANE
Concen: 0.68 PPBV
RT: 4.198 min Scan# 909
Delta R.T. 0.002 min
Lab File: Q4420.D
Acq: 29 Aug 2007 8:53 am

Tgt Ion: 50 Resp: 18075

Ion	Ratio	Lower	Upper
50	100		
52	31.6	13.4	53.4



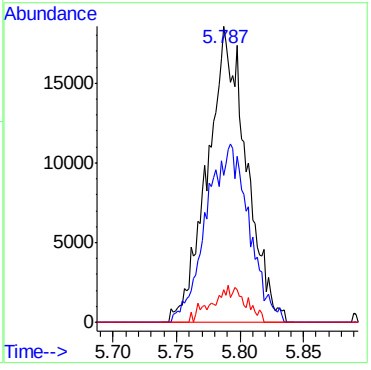
ACCUTEST Laboratories M67318

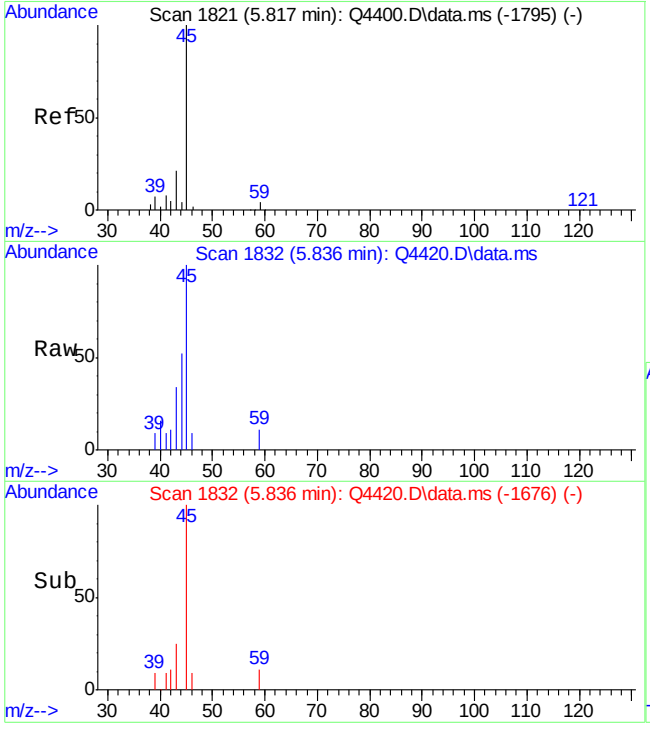


#10
TRICHLOROFLUOROMETHANE
Concen: 0.32 PPBV
RT: 5.787 min Scan# 1804
Delta R.T. 0.002 min
Lab File: Q4420.D
Acq: 29 Aug 2007 8:53 am

Tgt Ion:101 Resp: 38710

Ion	Ratio	Lower	Upper
101	100		
103	66.8	45.2	85.2
105	8.9	0.0	30.5

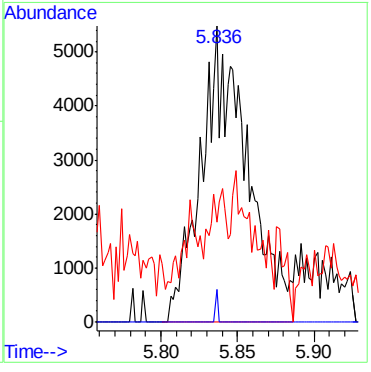


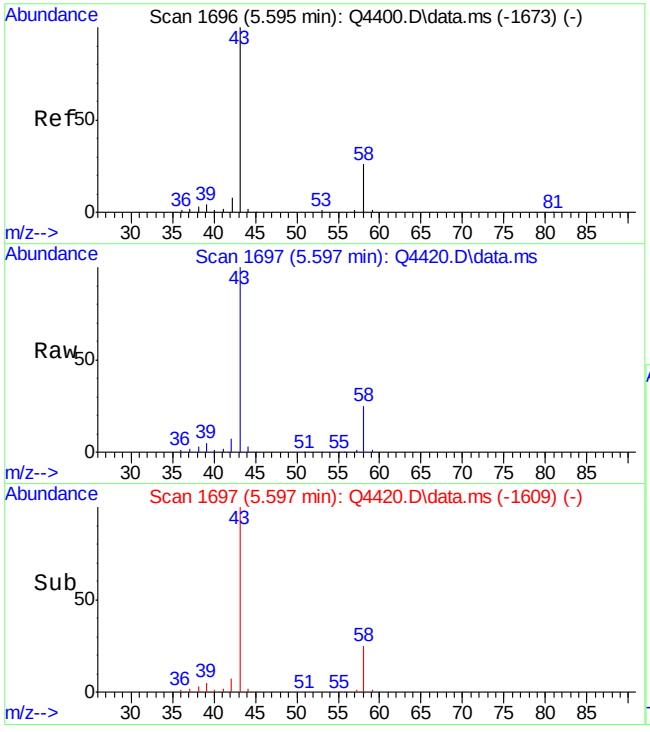


#11
ISOPROPYL ALCOHOL
Concen: 0.32 PPBV
RT: 5.836 min Scan# 1832
Delta R.T. 0.020 min
Lab File: Q4420.D
Acq: 29 Aug 2007 8:53 am

Tgt Ion: 45 Resp: 11492

Ion	Ratio	Lower	Upper
45	100		
59	10.9	0.0	23.9
43	33.9	1.5	41.5

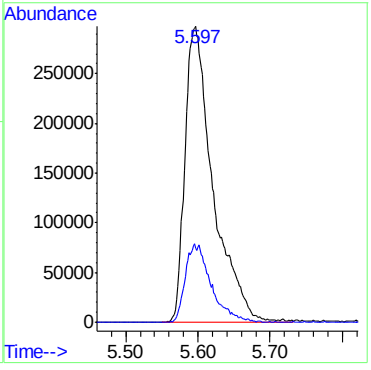


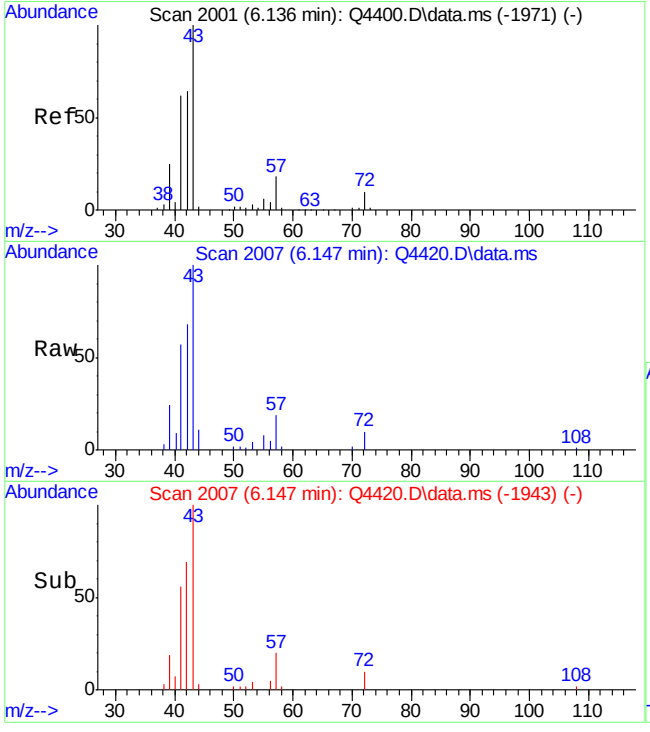


#12
ACETONE
Concen: 24.43 PPBV
RT: 5.597 min Scan# 1697
Delta R.T. 0.002 min
Lab File: Q4420.D
Acq: 29 Aug 2007 8:53 am

Tgt Ion: 43 Resp: 805310

Ion	Ratio	Lower	Upper
43	100		
58	24.4	6.3	46.3

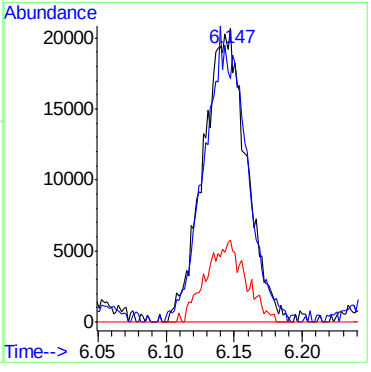


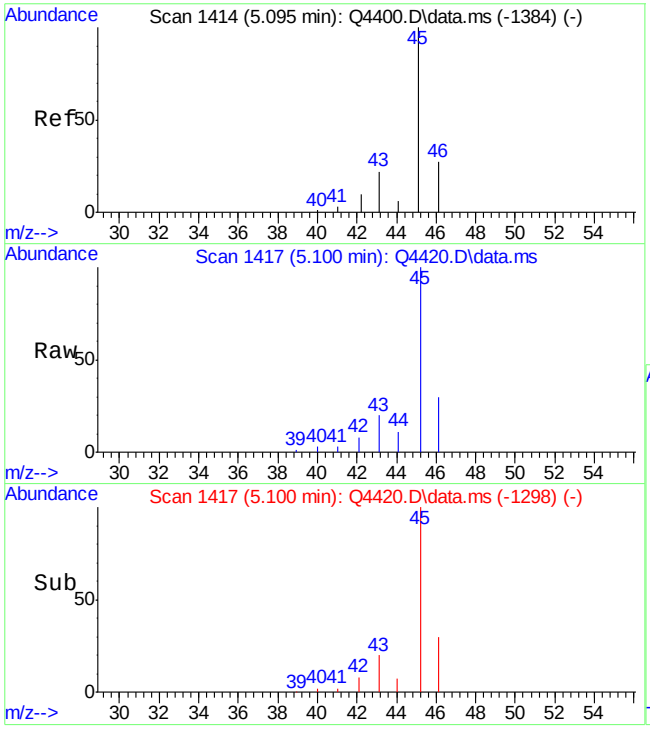


#13
PENTANE
Concen: 1.74 PPBV
RT: 6.147 min Scan# 2007
Delta R.T. 0.011 min
Lab File: Q4420.D
Acq: 29 Aug 2007 8:53 am

Tgt Ion: 42 Resp: 45816

Ion	Ratio	Lower	Upper
42	100		
41	97.1	80.4	120.4
57	25.1	7.7	47.7

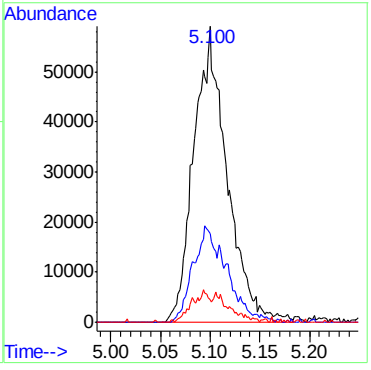


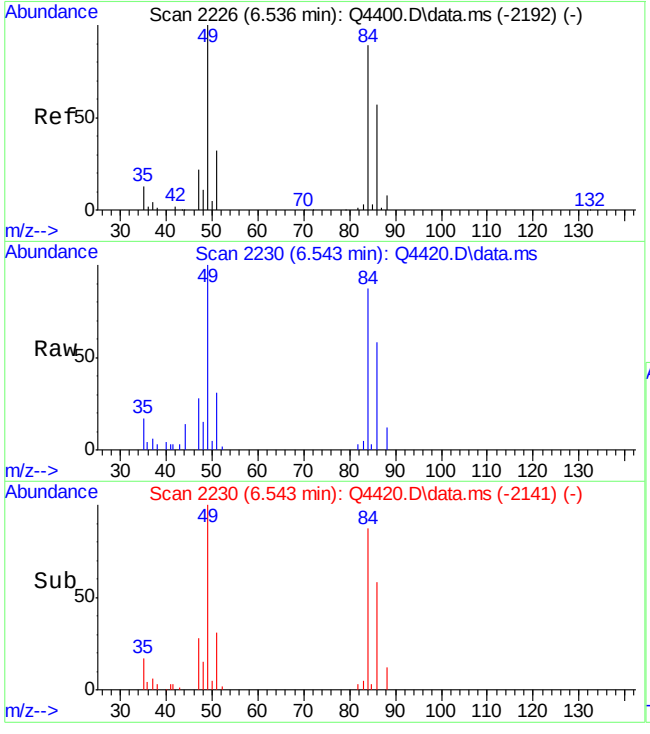


#16
ETHANOL
Concen: 17.22 PPBV
RT: 5.100 min Scan# 1417
Delta R.T. 0.006 min
Lab File: Q4420.D
Acq: 29 Aug 2007 8:53 am

Tgt Ion: 45 Resp: 136745

Ion	Ratio	Lower	Upper
45	100		
46	33.1	12.8	52.8
42	11.1	0.0	30.7

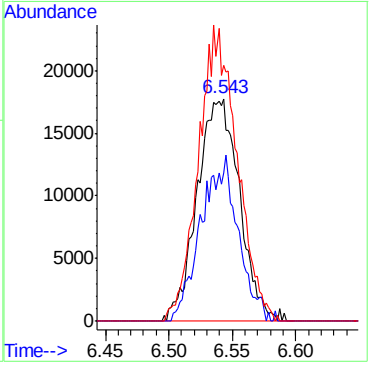


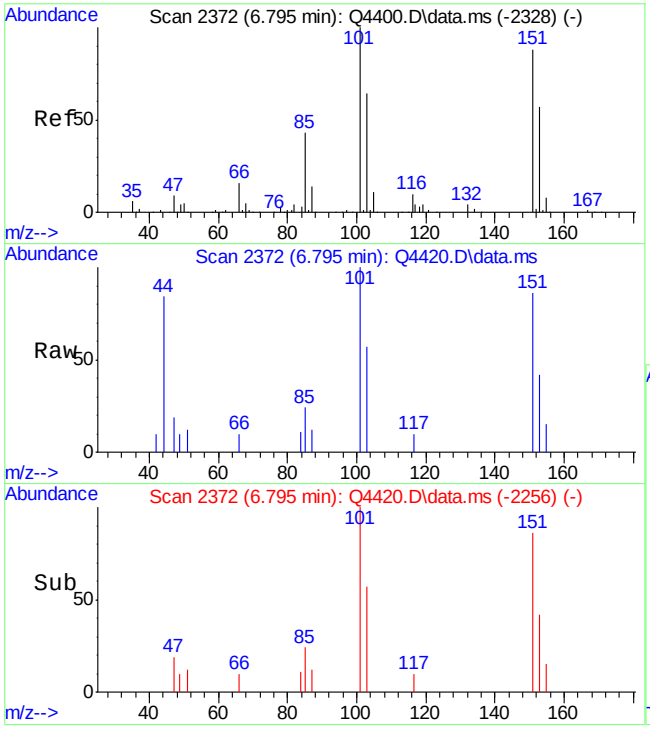


#18
METHYLENE CHLORIDE
Concen: 1.06 PPBV
RT: 6.543 min Scan# 2230
Delta R.T. 0.008 min
Lab File: Q4420.D
Acq: 29 Aug 2007 8:53 am

Tgt Ion: 84 Resp: 40430

Ion	Ratio	Lower	Upper
84	100		
86	65.0	45.3	85.3
49	121.2	0.0	314.4

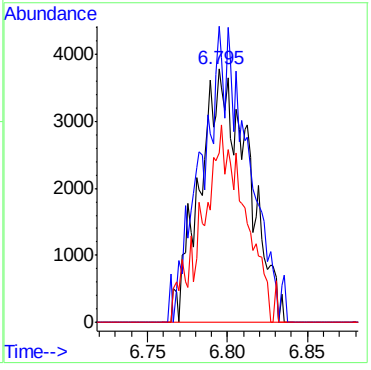


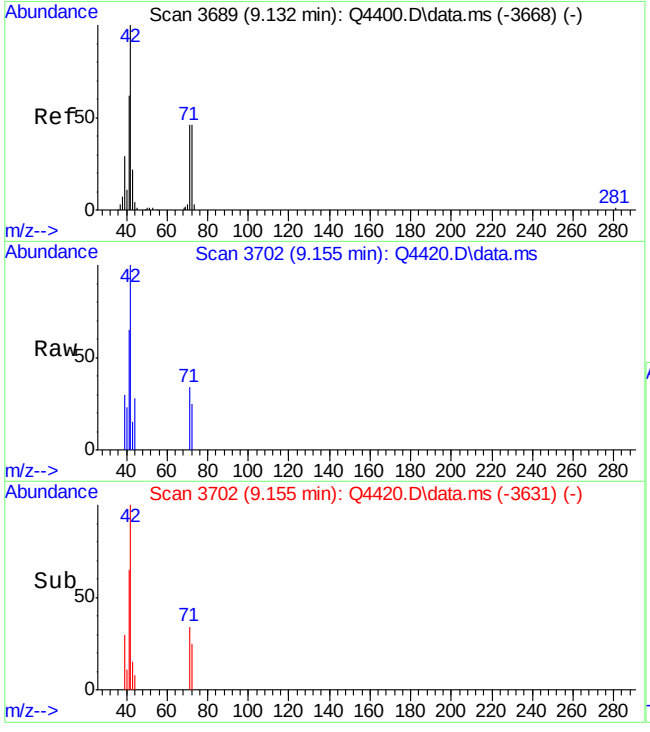


#20
FREON 113
Concen: 0.11 PPBV
RT: 6.795 min Scan# 2372
Delta R.T. 0.000 min
Lab File: Q4420.D
Acq: 29 Aug 2007 8:53 am

Tgt Ion:151 Resp: 8010

Ion	Ratio	Lower	Upper
151	100		
101	111.9	95.9	135.9
103	67.7	54.7	94.7

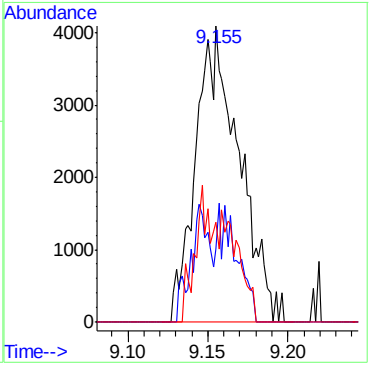


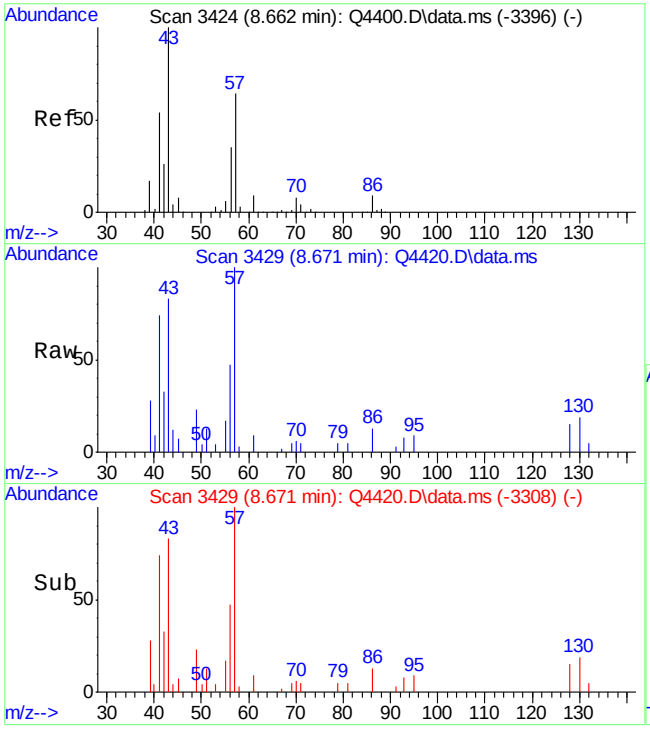


#24
TETRAHYDROFURAN
Concen: 0.44 PPBV
RT: 9.155 min Scan# 3702
Delta R.T. 0.023 min
Lab File: Q4420.D
Acq: 29 Aug 2007 8:53 am

Tgt Ion: 42 Resp: 7717

Ion	Ratio	Lower	Upper
42	100		
72	18.1	27.8	67.8#
71	0.0	27.3	67.3#

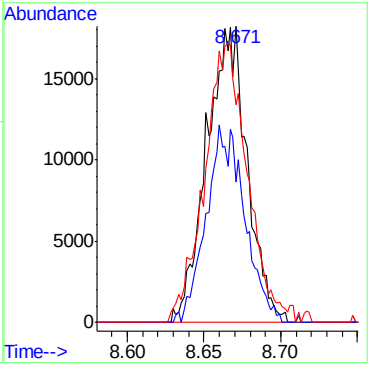


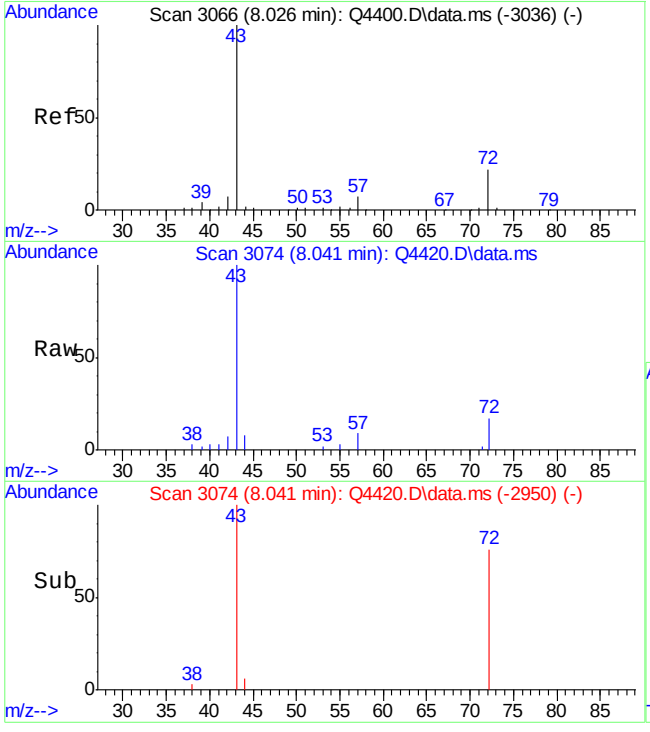


#25
HEXANE
Concen: 0.81 PPBV
RT: 8.671 min Scan# 3429
Delta R.T. 0.009 min
Lab File: Q4420.D
Acq: 29 Aug 2007 8:53 am

Tgt Ion: 57 Resp: 33361

Ion	Ratio	Lower	Upper
57	100		
56	62.9	34.7	74.7
41	101.3	64.6	104.6

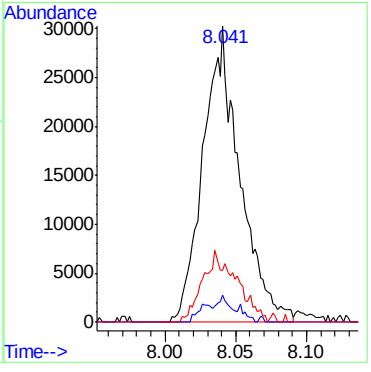


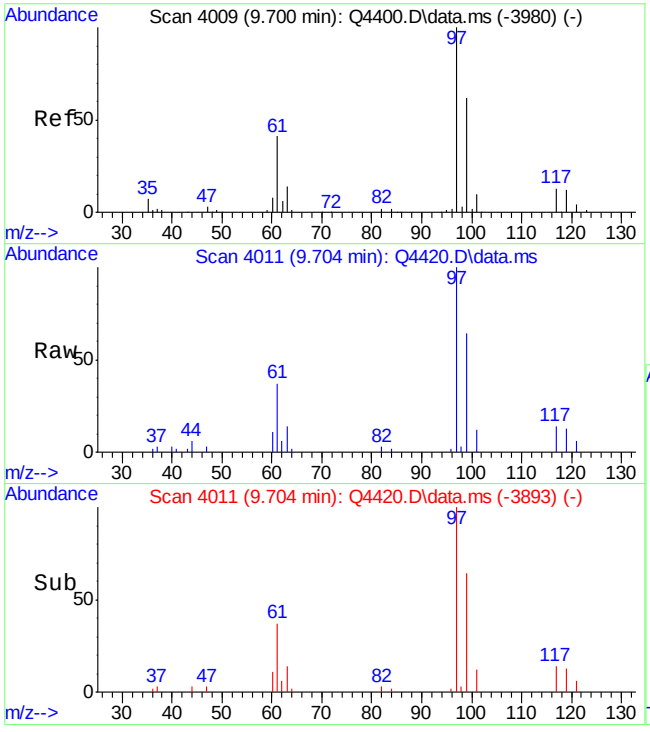


#28
METHYL ETHYL KETONE
Concen: 1.34 PPBV
RT: 8.041 min Scan# 3074
Delta R.T. 0.014 min
Lab File: Q4420.D
Acq: 29 Aug 2007 8:53 am

Tgt Ion: 43 Resp: 54512

Ion	Ratio	Lower	Upper
43	100		
57	9.1	0.0	26.7
72	17.3	2.2	42.2

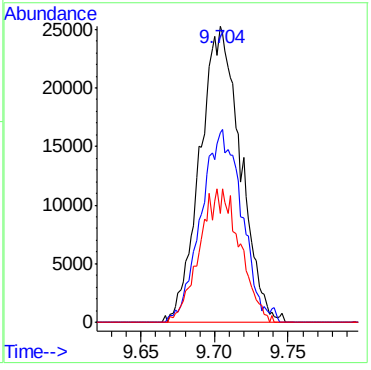


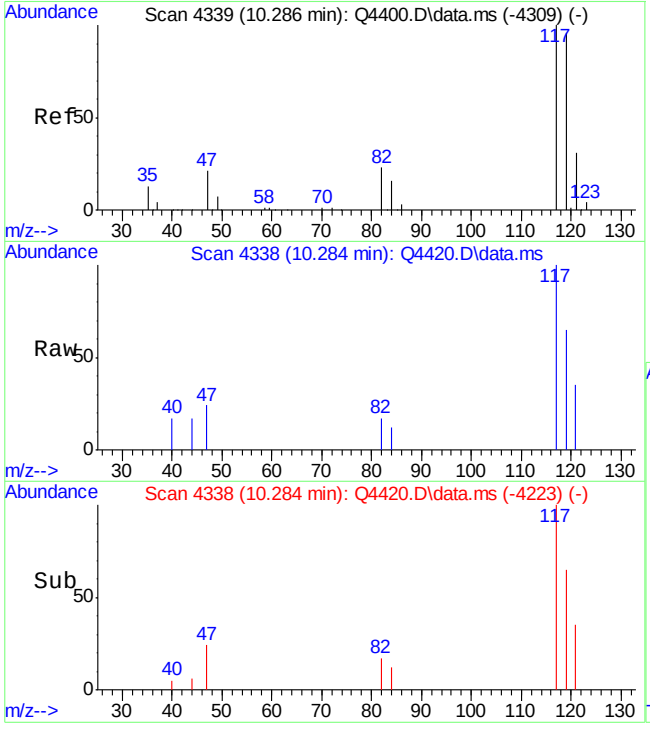


#32
1,1,1-TRICHLOROETHANE
Concen: 0.71 PPBV
RT: 9.704 min Scan# 4011
Delta R.T. 0.004 min
Lab File: Q4420.D
Acq: 29 Aug 2007 8:53 am

Tgt Ion: 97 Resp: 48270

Ion	Ratio	Lower	Upper
97	100		
99	65.8	44.0	84.0
61	44.7	22.6	62.6

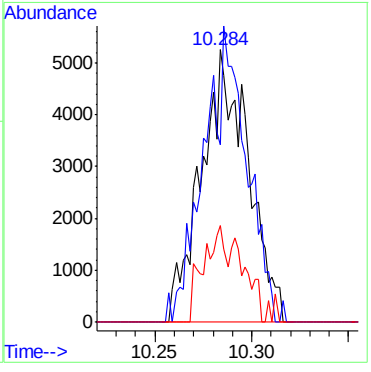


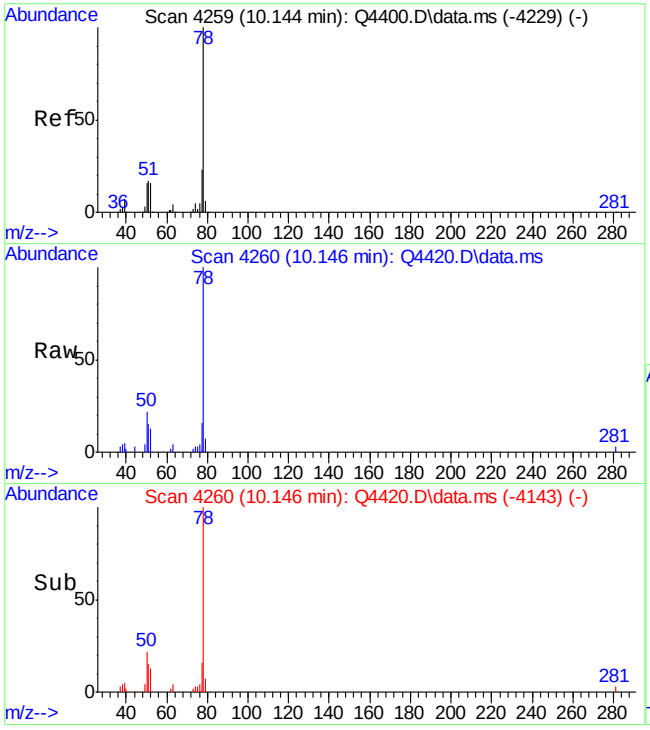


#33
CARBON TETRACHLORIDE
Concen: 0.11 PPBV
RT: 10.284 min Scan# 4338
Delta R.T. -0.002 min
Lab File: Q4420.D
Acq: 29 Aug 2007 8:53 am

Tgt Ion:117 Resp: 8795

Ion	Ratio	Lower	Upper
117	100		
119	98.9	75.5	115.5
121	29.2	11.1	51.1

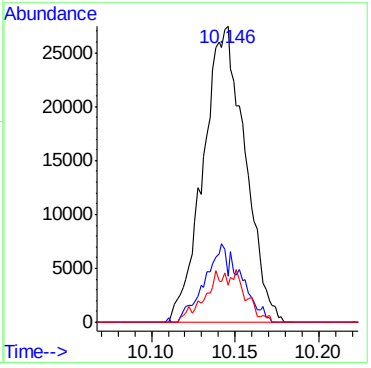


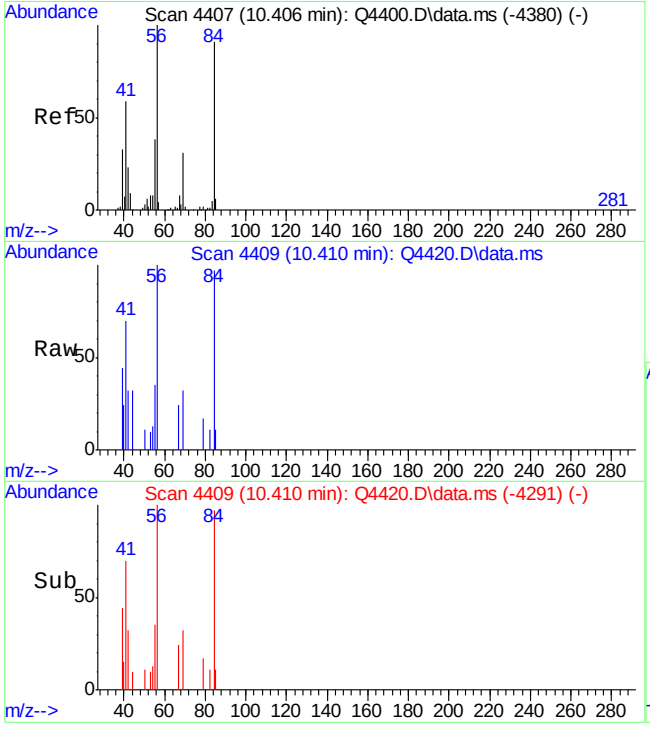


#36
BENZENE
Concen: 0.71 PPBV
RT: 10.146 min Scan# 4260
Delta R.T. 0.002 min
Lab File: Q4420.D
Acq: 29 Aug 2007 8:53 am

Tgt Ion: 78 Resp: 47619

Ion	Ratio	Lower	Upper
78	100		
77	23.0	3.1	43.1
52	15.9	0.0	35.2

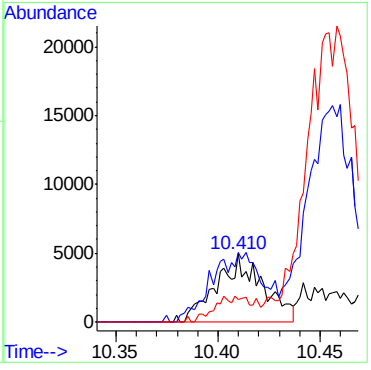


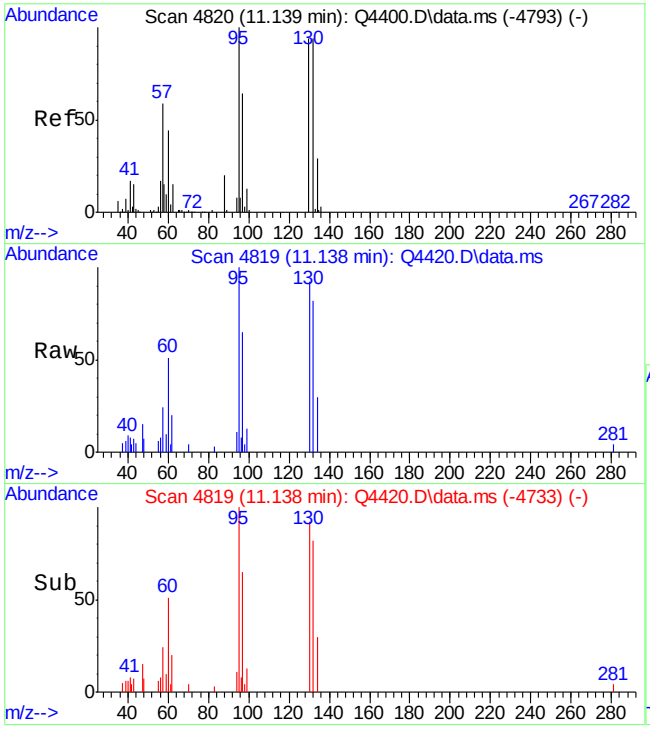


#37
CYCLOHEXANE
Concen: 0.25 PPBV
RT: 10.410 min Scan# 4409
Delta R.T. 0.004 min
Lab File: Q4420.D
Acq: 29 Aug 2007 8:53 am

Tgt Ion: 84 Resp: 7695

Ion	Ratio	Lower	Upper
84	100		
56	114.4	97.3	137.3
69	34.0	16.5	56.5

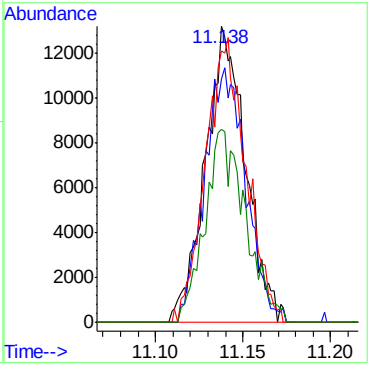


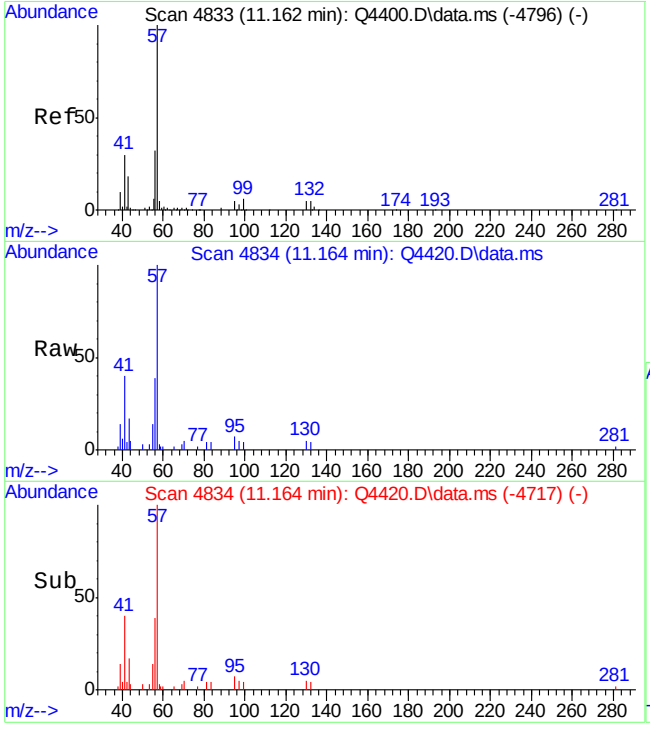


#38
TRICHLOROETHYLENE
Concen: 0.55 PPBV
RT: 11.138 min Scan# 4819
Delta R.T. -0.002 min
Lab File: Q4420.D
Acq: 29 Aug 2007 8:53 am

Tgt Ion: 95 Resp: 20979

Ion	Ratio	Lower	Upper
95	100		
132	89.1	75.9	115.9
130	96.6	81.1	121.1
97	65.8	45.4	85.4

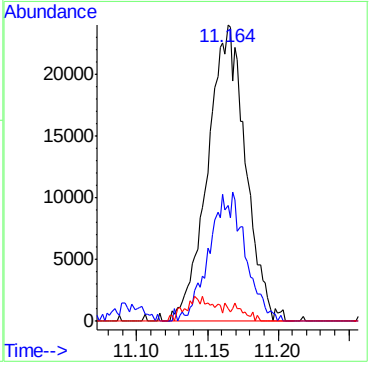


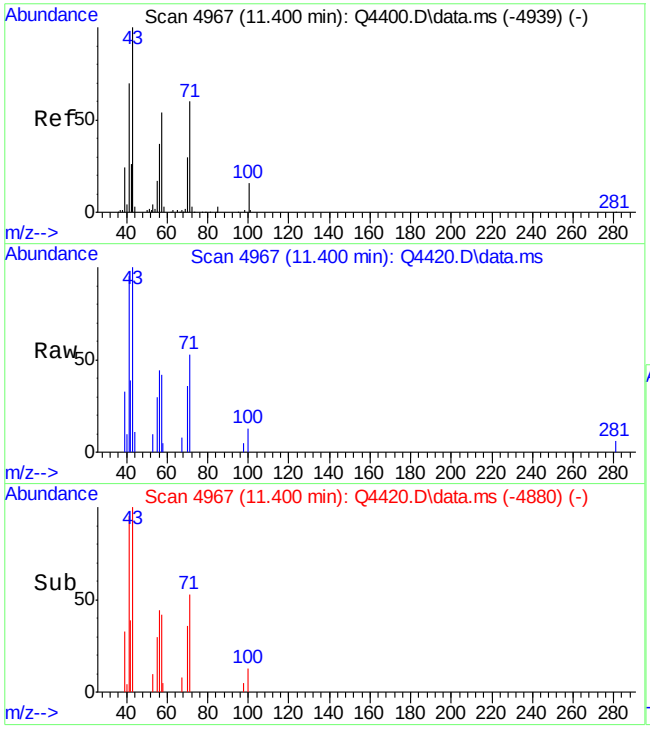


#41
2,2,4-TRIMETHYLPENTANE
Concen: 0.42 PPBV
RT: 11.164 min Scan# 4834
Delta R.T. 0.002 min
Lab File: Q4420.D
Acq: 29 Aug 2007 8:53 am

Tgt Ion: 57 Resp: 44648

Ion	Ratio	Lower	Upper
57	100		
56	41.7	10.8	50.8
99	0.0	0.0	28.3

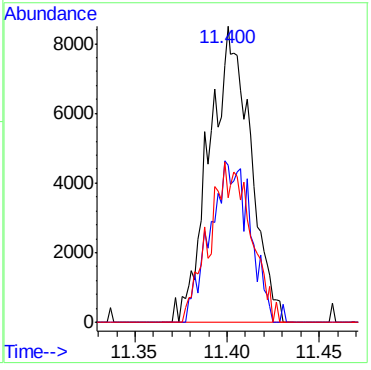


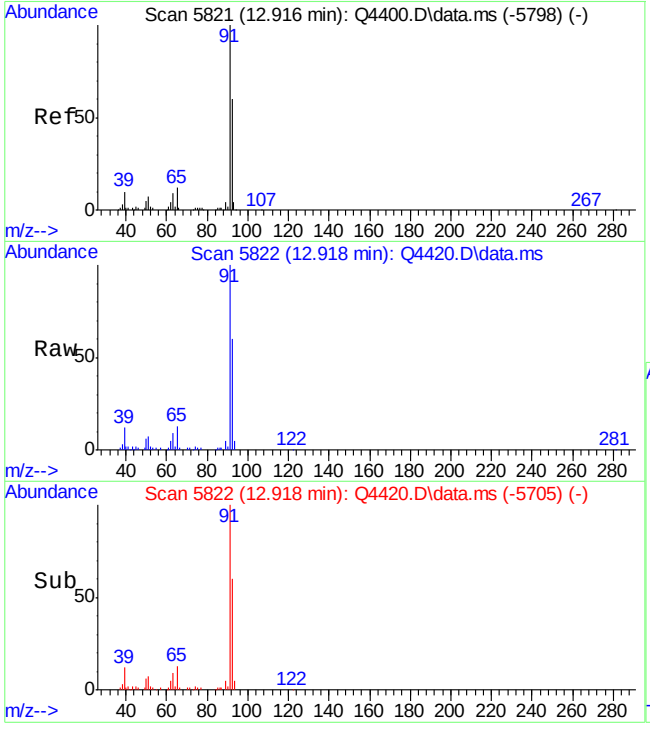


#43
HEPTANE
Concen: 0.37 PPBV
RT: 11.400 min Scan# 4967
Delta R.T. 0.000 min
Lab File: Q4420.D
Acq: 29 Aug 2007 8:53 am

Tgt Ion: 43 Resp: 13239

Ion	Ratio	Lower	Upper
43	100		
71	52.7	39.8	79.8
57	54.1	33.8	73.8

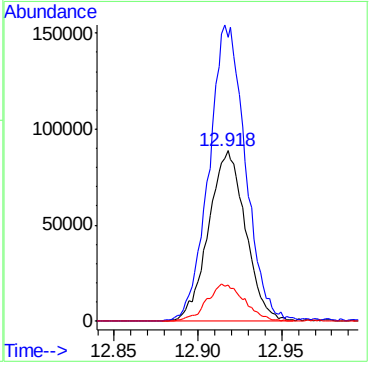


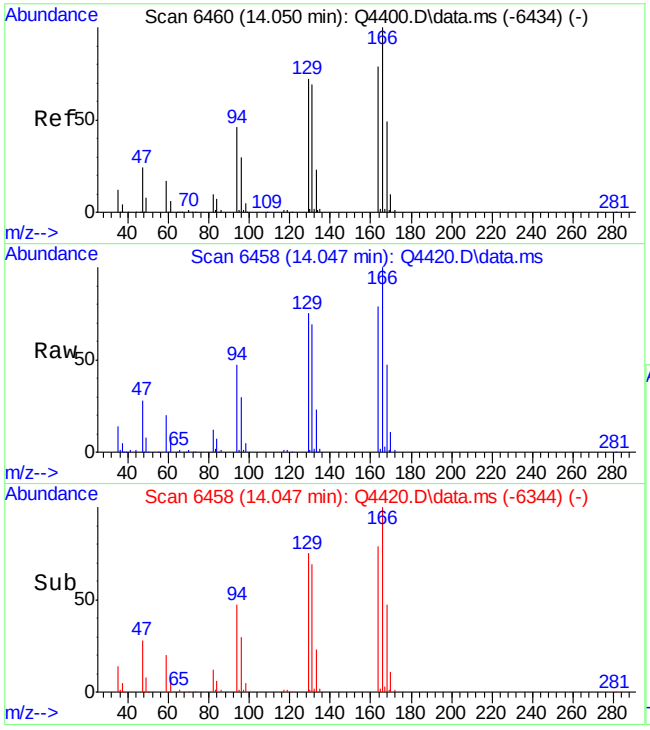


#46
TOLUENE
Concen: 2.86 PPBV
RT: 12.918 min Scan# 5822
Delta R.T. 0.002 min
Lab File: Q4420.D
Acq: 29 Aug 2007 8:53 am

Tgt Ion: 92 Resp: 136264

Ion	Ratio	Lower	Upper
92	100		
91	172.0	150.8	190.8
65	22.0	0.2	40.2

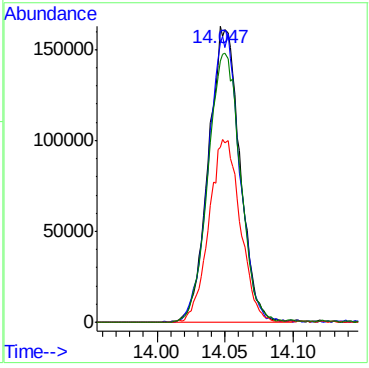


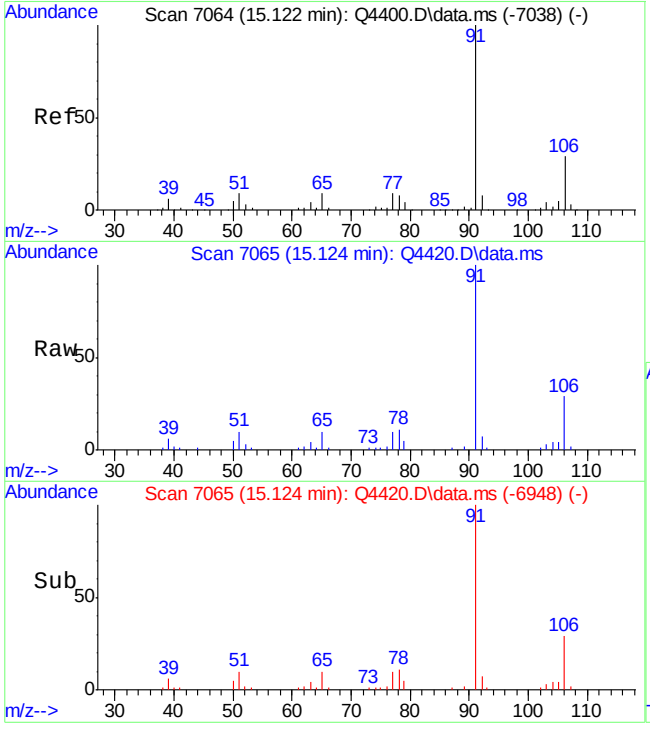


#51
TETRACHLOROETHYLENE
Concen: 6.34 PPBV
RT: 14.047 min Scan# 6458
Delta R.T. -0.004 min
Lab File: Q4420.D
Acq: 29 Aug 2007 8:53 am

Tgt Ion:164 Resp: 260323

Ion	Ratio	Lower	Upper
164	100		
129	97.5	72.9	112.9
168	62.0	41.5	81.5
131	93.6	70.3	110.3

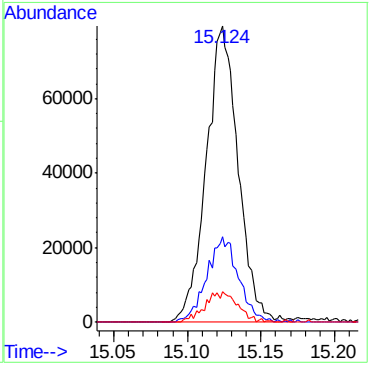


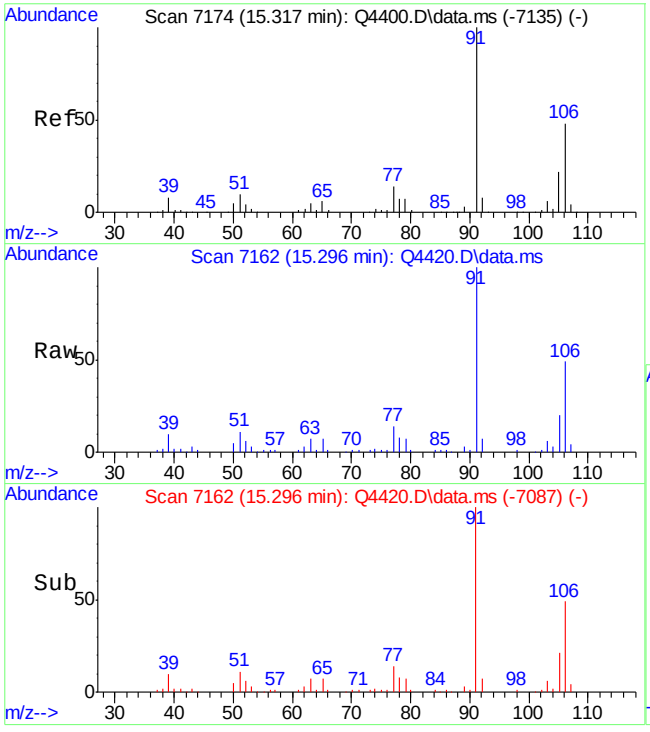


#55
ETHYLBENZENE
Concen: 1.31 PPBV
RT: 15.124 min Scan# 7065
Delta R.T. 0.002 min
Lab File: Q4420.D
Acq: 29 Aug 2007 8:53 am

Tgt Ion: 91 Resp: 119816

Ion	Ratio	Lower	Upper
91	100		
106	28.5	9.7	49.7
77	10.2	0.0	28.9

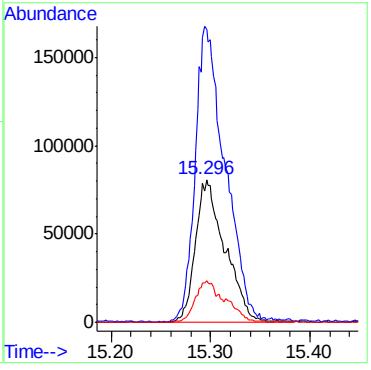


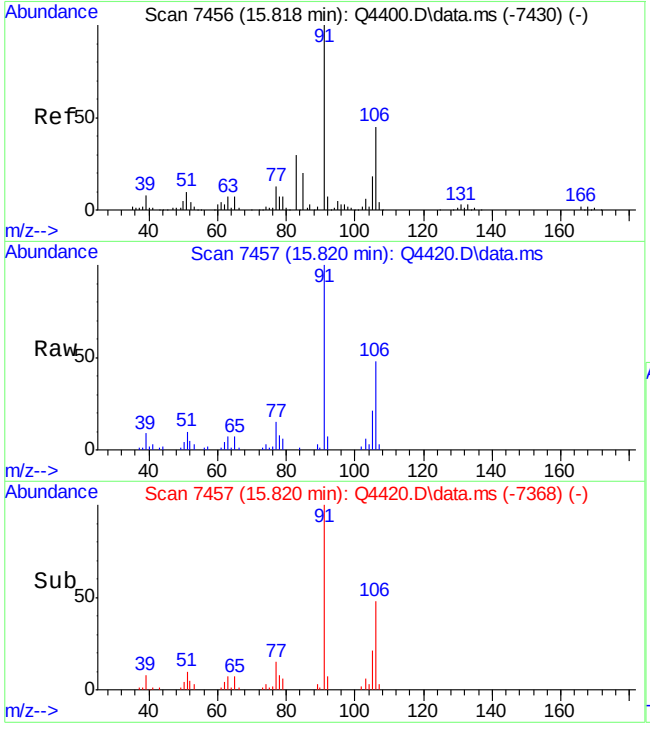


#56
m,p-XYLENE
Concen: 4.90 PPBV
RT: 15.296 min Scan# 7162
Delta R.T. -0.021 min
Lab File: Q4420.D
Acq: 29 Aug 2007 8:53 am

Tgt Ion:106 Resp: 167041

Ion	Ratio	Lower	Upper
106	100		
91	205.3	166.7	250.1
77	29.0	23.8	35.8

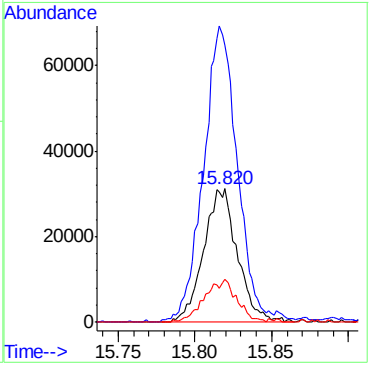


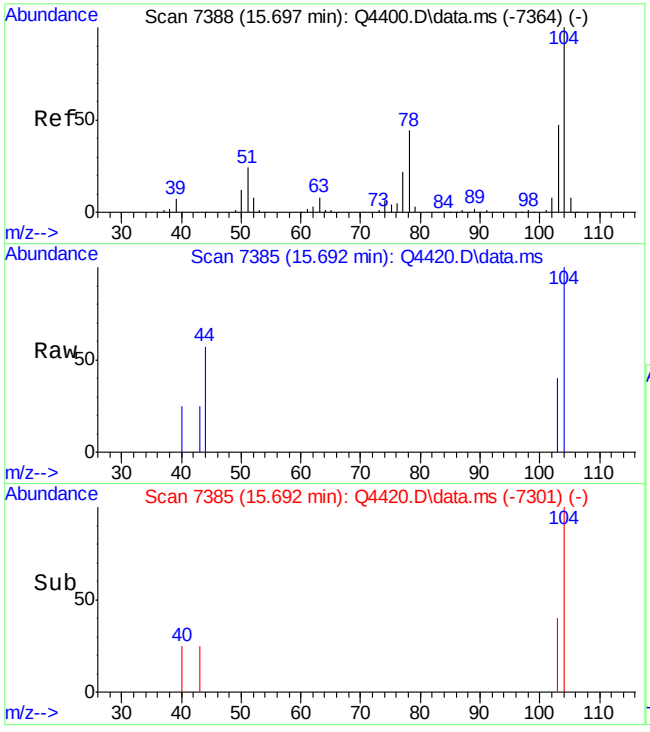


#57
o-XYLENE
Concen: 1.52 PPBV
RT: 15.820 min Scan# 7457
Delta R.T. 0.002 min
Lab File: Q4420.D
Acq: 29 Aug 2007 8:53 am

Tgt Ion:106 Resp: 47801

Ion	Ratio	Lower	Upper
106	100		
91	224.8	201.4	241.4
77	30.7	8.0	48.0

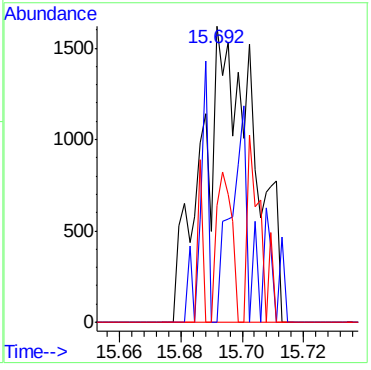


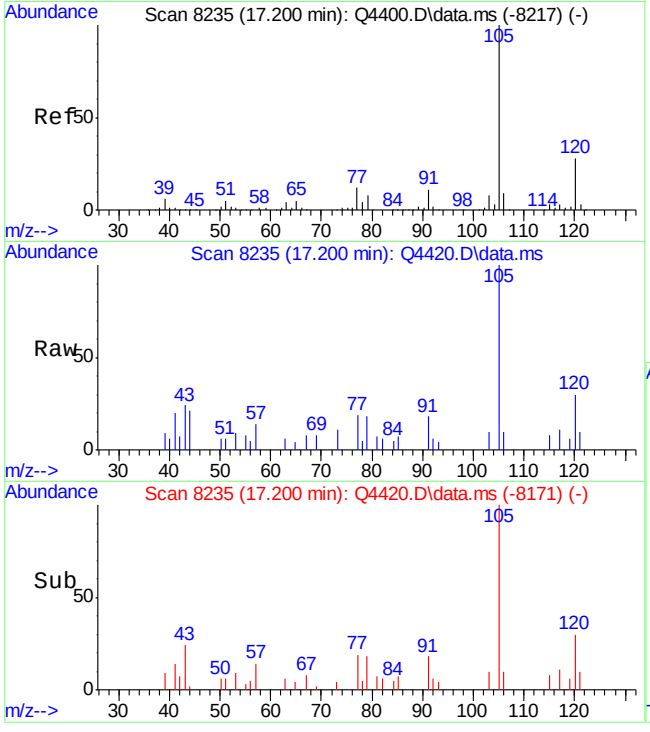


#58
STYRENE
Concen: 0.50 PPBV
RT: 15.692 min Scan# 7385
Delta R.T. -0.005 min
Lab File: Q4420.D
Acq: 29 Aug 2007 8:53 am

Tgt Ion:104 Resp: 1903

Ion	Ratio	Lower	Upper
104	100		
78	37.5	24.4	64.4
103	20.2	26.4	66.4#

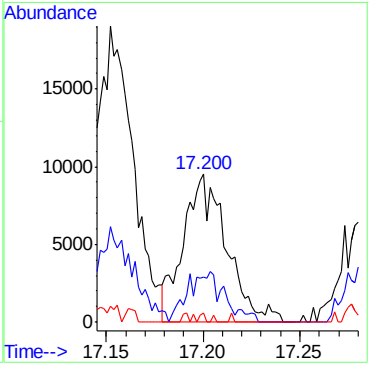


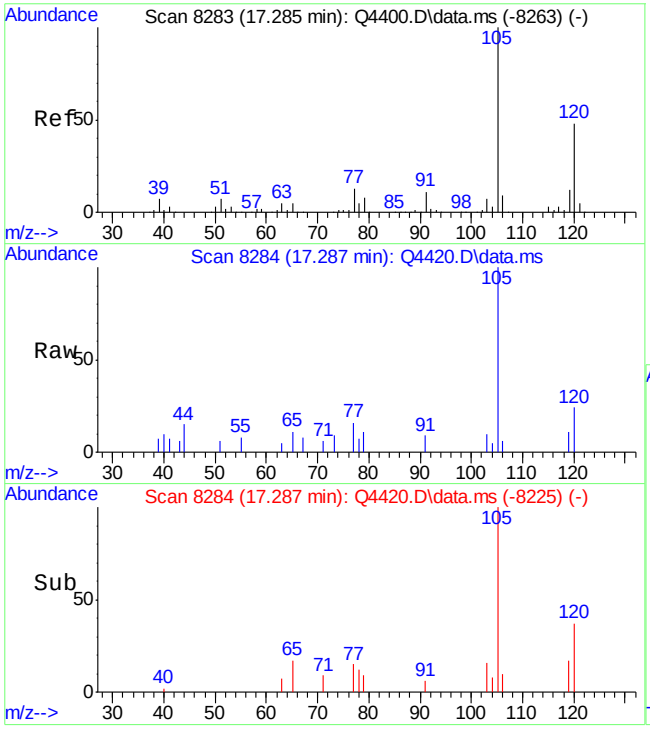


#65
4-ETHYLTOLUENE
Concen: 0.61 PPBV
RT: 17.200 min Scan# 8235
Delta R.T. 0.000 min
Lab File: Q4420.D
Acq: 29 Aug 2007 8:53 am

Tgt Ion:105 Resp: 14877

Ion	Ratio	Lower	Upper
105	100		
120	29.1	8.5	48.5
119	1.1	0.0	22.2

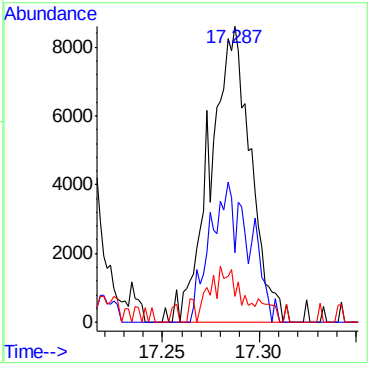


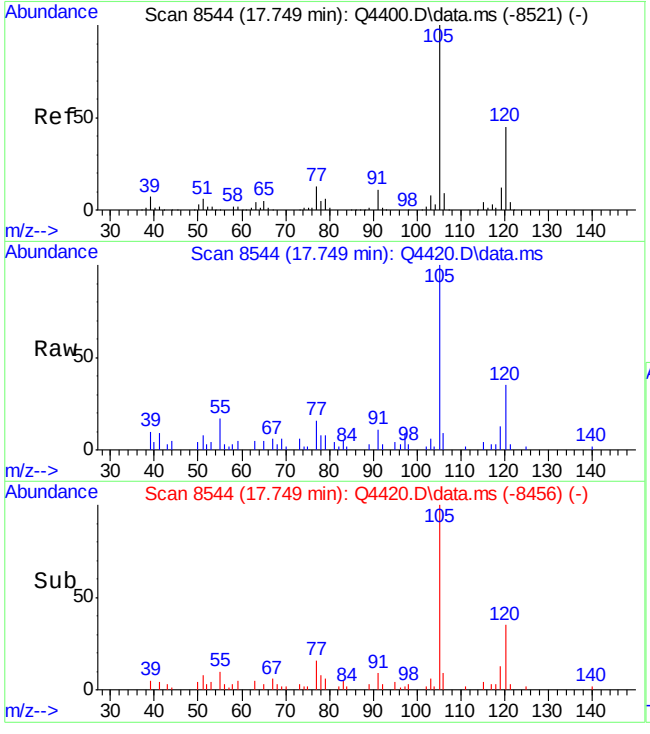


#66
1,3,5-TRIMETHYLBENZENE
Concen: 0.54 PPBV
RT: 17.287 min Scan# 8284
Delta R.T. 0.002 min
Lab File: Q4420.D
Acq: 29 Aug 2007 8:53 am

Tgt Ion:105 Resp: 12517

Ion	Ratio	Lower	Upper
105	100		
120	46.0	27.4	67.4
91	17.6	0.0	30.8

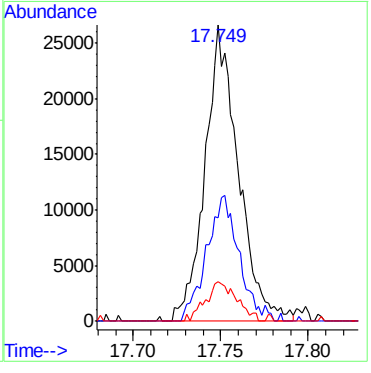




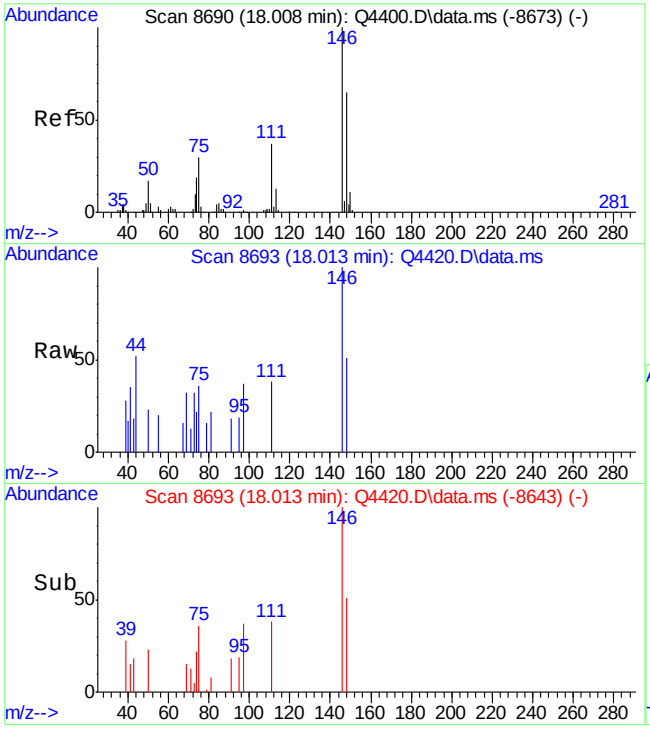
#67
1,2,4-TRIMETHYLBENZENE
Concen: 0.86 PPBV
RT: 17.749 min Scan# 8544
Delta R.T. 0.001 min
Lab File: Q4420.D
Acq: 29 Aug 2007 8:53 am

Tgt Ion:105 Resp: 35082

Ion	Ratio	Lower	Upper
105	100		
120	41.6	25.7	65.7
119	12.8	0.0	31.4



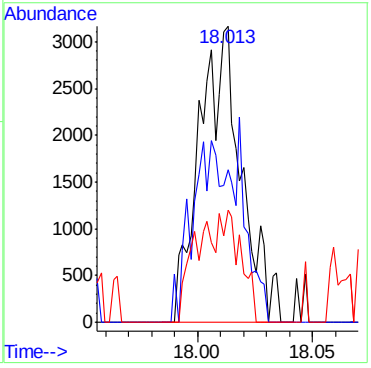
ACCUTEST Laboratories M67318



#70
p-DICHLOROBENZENE
Concen: 0.48 PPBV
RT: 18.013 min Scan# 8693
Delta R.T. 0.006 min
Lab File: Q4420.D
Acq: 29 Aug 2007 8:53 am

Tgt Ion:146 Resp: 4013

Ion	Ratio	Lower	Upper
146	100		
148	70.5	44.4	84.4
111	38.8	17.2	57.2



Manual Integrations APPROVED (compounds with "m" flag)
Doug Yargeau
08/31/07 15:19

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\
Data File : Q4459.D
Acq On : 31 Aug 2007 12:19 pm
Operator : danat
Sample : m67317-4dup (M141)
Misc : MS14204, MSQ234,,,,,1
ALS Vial : 8 Sample Multiplier: 1

Quant Time: Aug 31 14:52:12 2007
Quant Method : C:\msdchem\1\METHODS\Q083007T.m
Quant Title : TO15 by GCMS w/DB-1 60 m X .25 mm ID 1.0 um
QLast Update : Fri Aug 31 09:48:44 2007
Response via : Initial Calibration

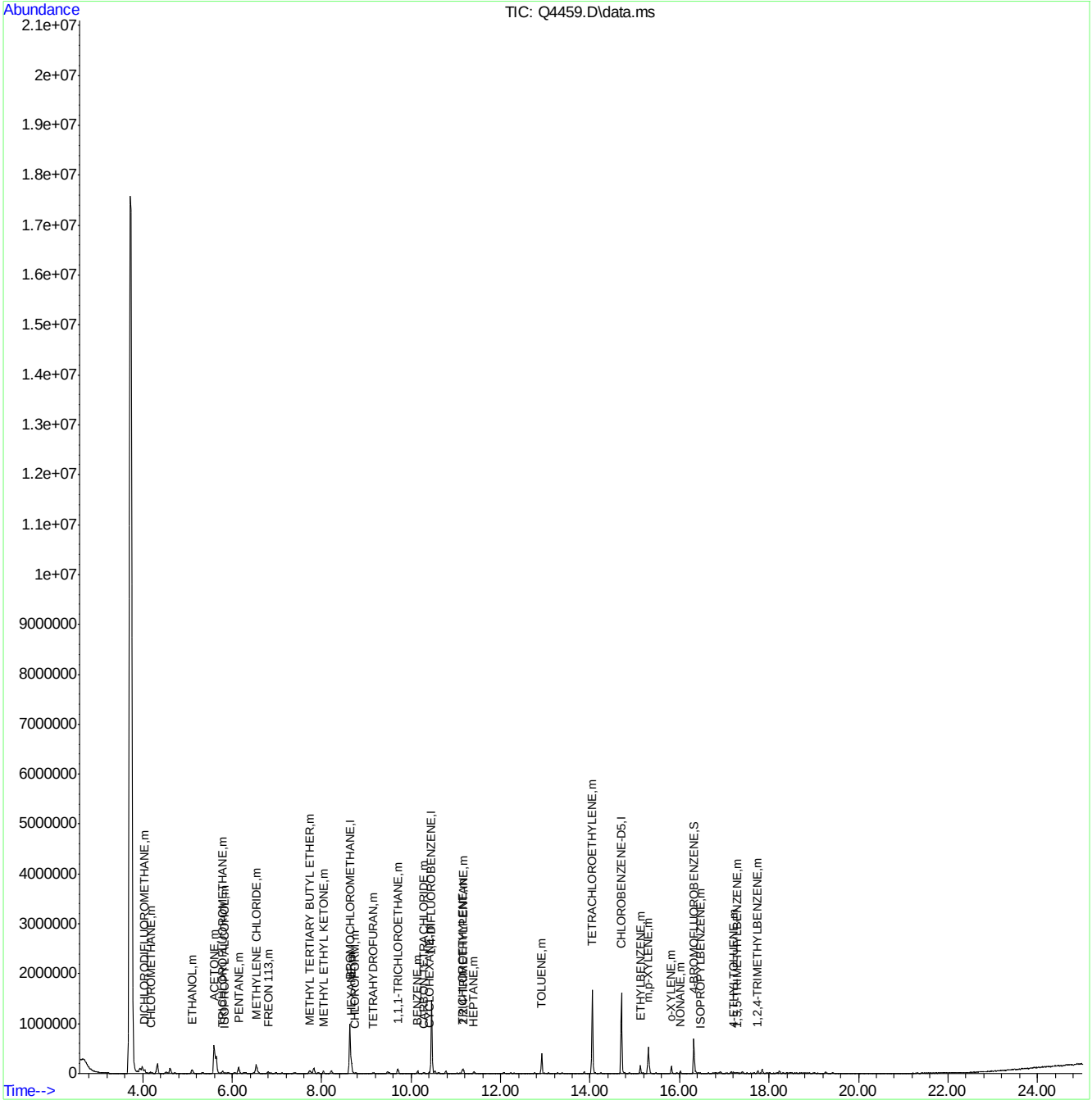
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) BROMOCHLOROMETHANE	8.628	128	259285	10.00	PPBV	0.00
35) 1,4-DIFLUOROBENZENE	10.456	114	1002224	10.00	PPBV	0.00
49) CHLOROBENZENE-D5	14.698	117	793975	10.00	PPBV	0.00
System Monitoring Compounds						
61) 4-BROMOFLUOROBENZENE	16.318	95	222402	4.15	PPBV	0.00
Spiked Amount 5.000	Range 57 - 139		Recovery = 83.00%			
Target Compounds						Qvalue
2) DICHLORODIFLUOROMETHANE	4.040	85	85843	0.62	PPBV	98
5) CHLOROMETHANE	4.195	50	20074	0.65	PPBV	91
10) TRICHLOROFLUOROMETHANE	5.789	101	43070	0.32	PPBV	98
11) ISOPROPYL ALCOHOL	5.829	45	11546m	0.23	PPBV	
12) ACETONE	5.595	43	976910	23.26	PPBV	98
13) PENTANE	6.138	42	57271	1.51	PPBV	97
16) ETHANOL	5.098	45	103593	8.80	PPBV	98
18) METHYLENE CHLORIDE	6.536	84	93097	1.57	PPBV	95
20) FREON 113	6.802	151	16269	0.20	PPBV	99
23) METHYL TERTIARY BUTYL ...	7.721	73	7166	0.09	PPBV #	1
24) TETRAHYDROFURAN	9.159	42	7014	0.84	PPBV	89
25) HEXANE	8.664	57	61296	1.18	PPBV	82
28) METHYL ETHYL KETONE	8.037	43	59461	1.12	PPBV	96
31) CHLOROFORM	8.745	83	9258	0.10	PPBV	94
32) 1,1,1-TRICHLOROETHANE	9.704	97	59636	0.68	PPBV	97
33) CARBON TETRACHLORIDE	10.284	117	10245	0.10	PPBV	96
36) BENZENE	10.144	78	44514	0.58	PPBV	97
37) CYCLOHEXANE	10.406	84	6100	0.18	PPBV	86
38) TRICHLOROETHYLENE	11.143	95	22105	0.52	PPBV	96
41) 2,2,4-TRIMETHYLPENTANE	11.164	57	38682	0.31	PPBV	83
43) HEPTANE	11.400	43	10734	0.86	PPBV	96
46) TOLUENE	12.920	92	136221	2.79	PPBV	94
51) TETRACHLOROETHYLENE	14.048	164	333647	8.42	PPBV	99
55) ETHYLBENZENE	15.124	91	102350	1.60	PPBV	99
56) m,p-XYLENE	15.296	106	164982	5.04	PPBV	92
57) o-XYLENE	15.820	106	34685	1.38	PPBV	90
59) NONANE	16.017	43	11095	0.85	PPBV #	96
63) ISOPROPYLBENZENE	16.460	105	3640	0.57	PPBV	83
65) 4-ETHYLTOLUENE	17.202	105	8998m	0.91	PPBV	
66) 1,3,5-TRIMETHYLBENZENE	17.285	105	7485	0.84	PPBV	95
67) 1,2,4-TRIMETHYLBENZENE	17.752	105	16670	1.02	PPBV	97

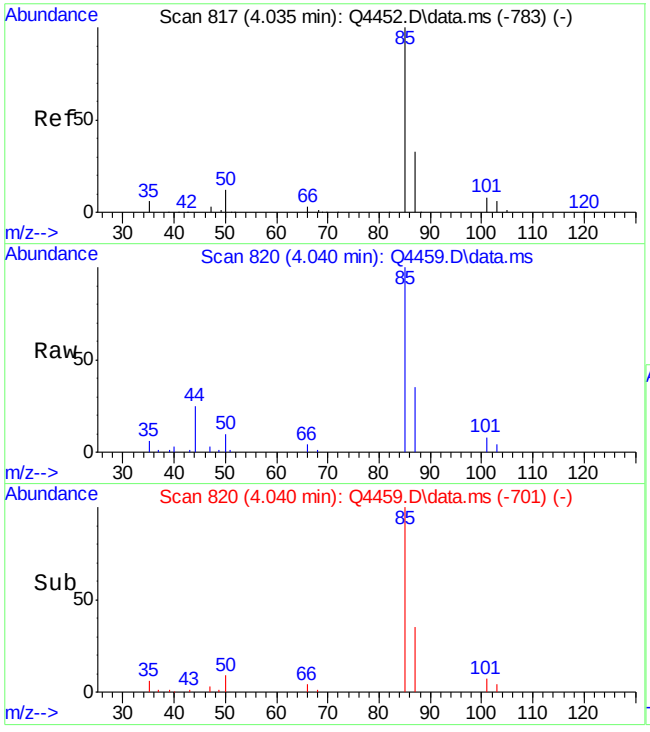
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\
Data File : Q4459.D
Acq On : 31 Aug 2007 12:19 pm
Operator : danat
Sample : m67317-4dup (M141)
Misc : MS14204, MSQ234,,,,,1
ALS Vial : 8 Sample Multiplier: 1

Quant Time: Aug 31 14:52:12 2007
Quant Method : C:\msdchem\1\METHODS\Q083007T.m
Quant Title : TO15 by GCMS w/DB-1 60 m X .25 mm ID 1.0 um
QLast Update : Fri Aug 31 09:48:44 2007
Response via : Initial Calibration

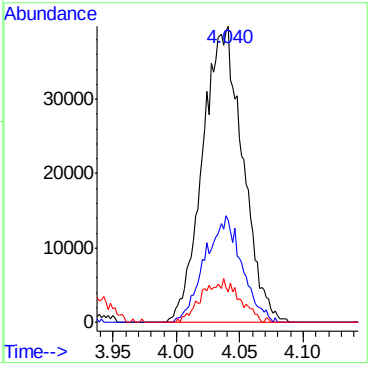


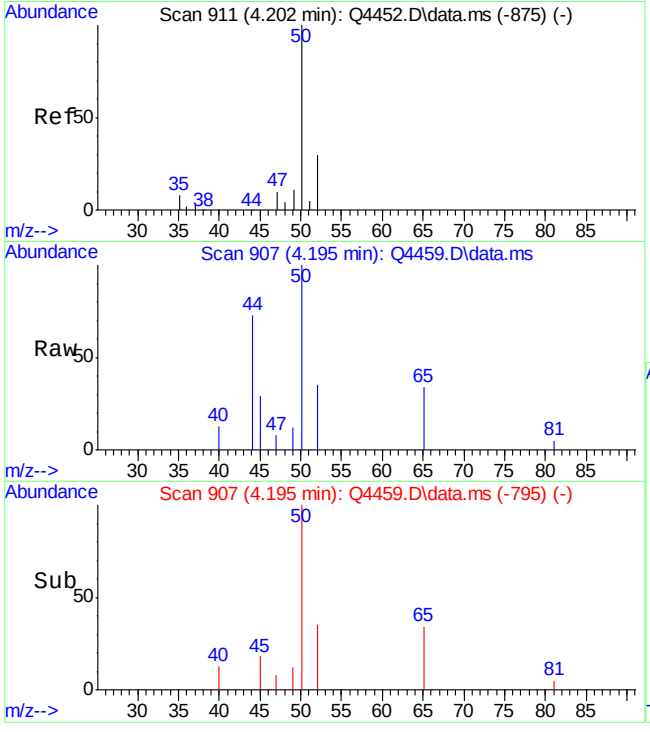


#2
DICHLORODIFLUOROMETHANE
Concen: 0.62 PPBV
RT: 4.040 min Scan# 820
Delta R.T. 0.005 min
Lab File: Q4459.D
Acq: 31 Aug 2007 12:19 pm

Tgt Ion: 85 Resp: 85843

Ion	Ratio	Lower	Upper
85	100		
87	33.2	12.1	52.1
50	13.5	0.0	32.2

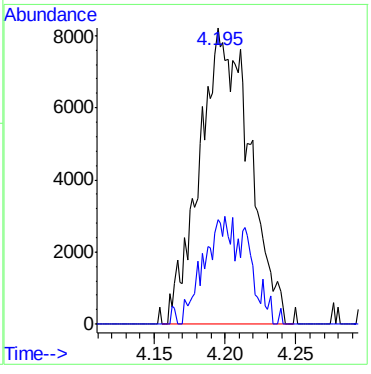


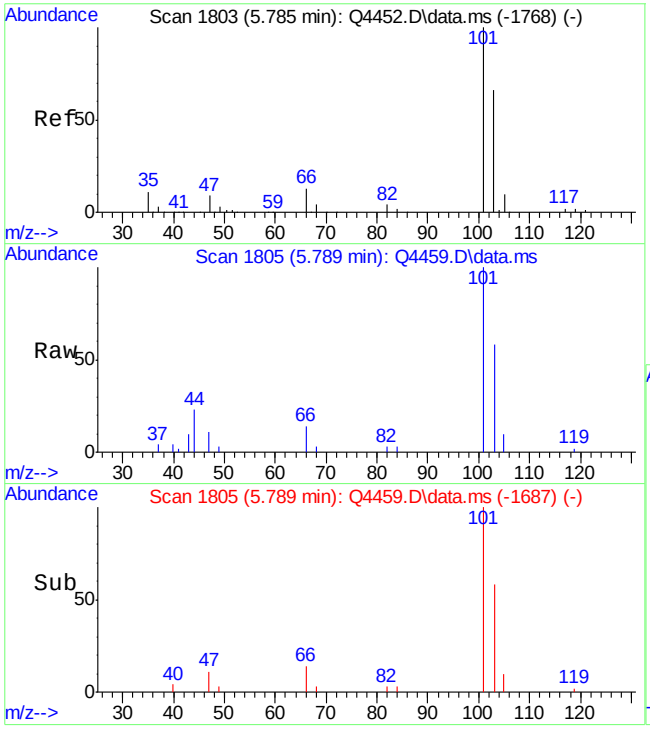


#5
CHLOROMETHANE
Concen: 0.65 PPBV
RT: 4.195 min Scan# 907
Delta R.T. -0.007 min
Lab File: Q4459.D
Acq: 31 Aug 2007 12:19 pm

Tgt Ion: 50 Resp: 20074

Ion	Ratio	Lower	Upper
50	100		
52	35.4	10.4	50.4

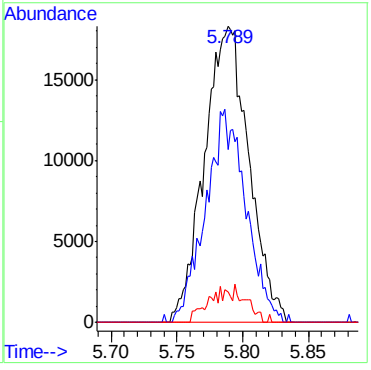


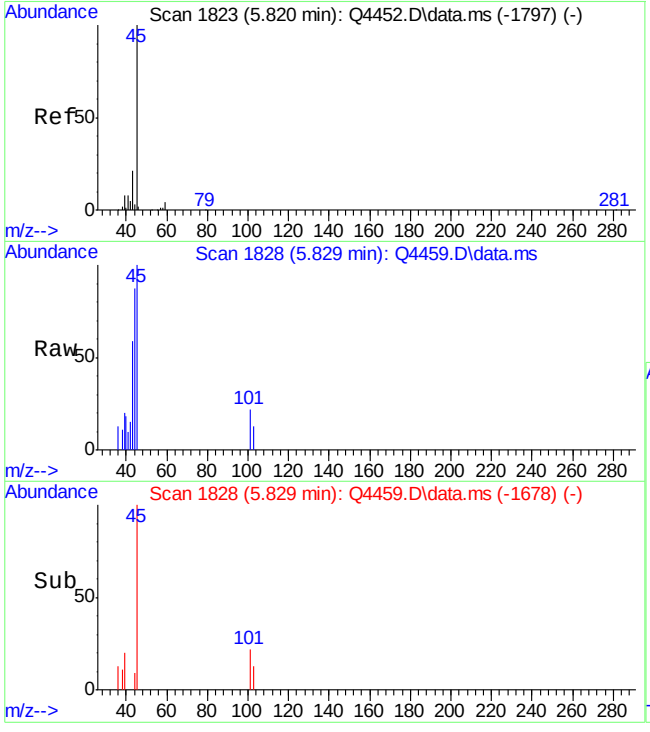


#10
TRICHLOROFLUOROMETHANE
Concen: 0.32 PPBV
RT: 5.789 min Scan# 1805
Delta R.T. 0.004 min
Lab File: Q4459.D
Acq: 31 Aug 2007 12:19 pm

Tgt Ion:101 Resp: 43070

Ion	Ratio	Lower	Upper
101	100		
103	65.2	44.4	84.4
105	6.3	0.0	30.4

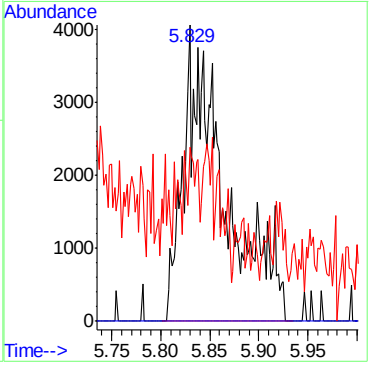


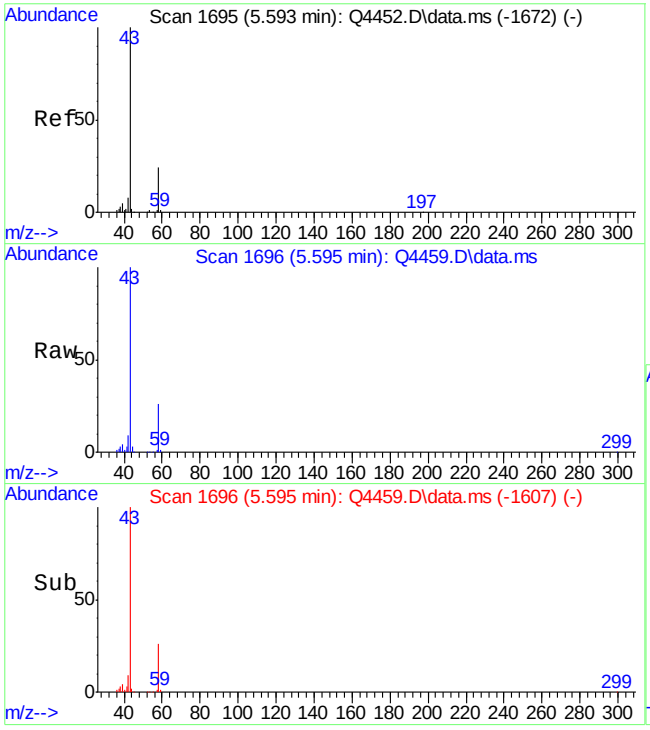


#11
ISOPROPYL ALCOHOL
Concen: 0.23 PPBV m
RT: 5.829 min Scan# 1828
Delta R.T. 0.009 min
Lab File: Q4459.D
Acq: 31 Aug 2007 12:19 pm

Tgt Ion: 45 Resp: 11546

Ion	Ratio	Lower	Upper
45	100		
59	0.0	0.0	24.3
43	58.9	1.7	41.7#

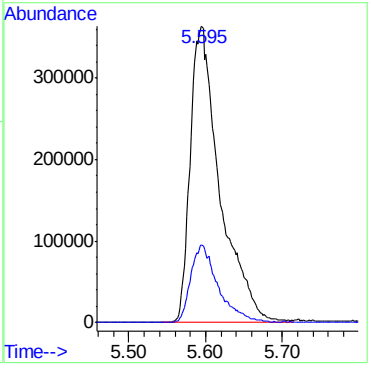


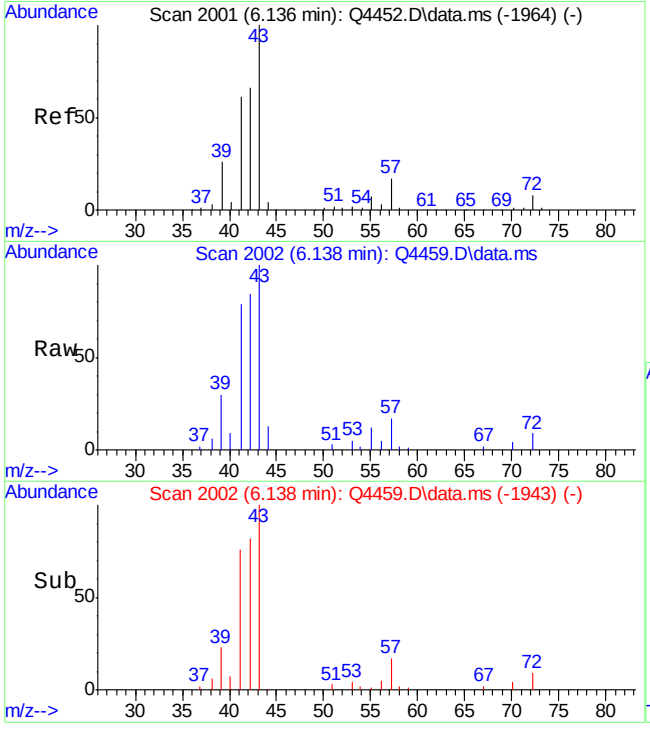


#12
ACETONE
Concen: 23.26 PPBV
RT: 5.595 min Scan# 1696
Delta R.T. 0.002 min
Lab File: Q4459.D
Acq: 31 Aug 2007 12:19 pm

Tgt Ion: 43 Resp: 976910

Ion	Ratio	Lower	Upper
43	100		
58	24.1	4.9	44.9

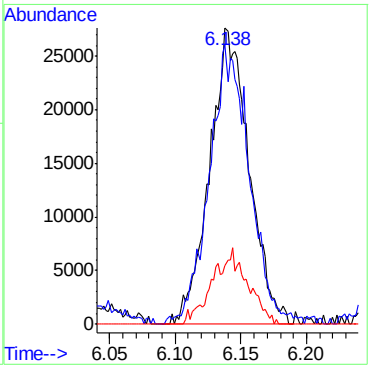


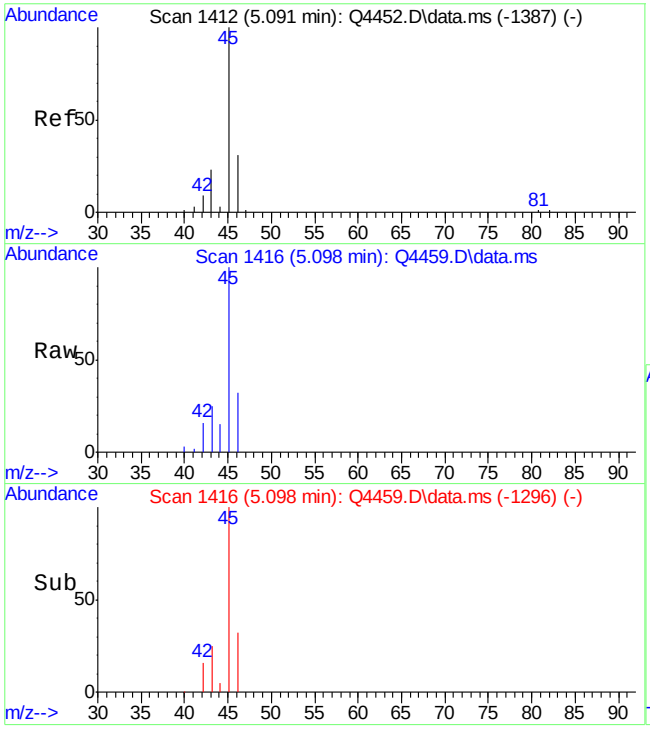


#13
PENTANE
Concen: 1.51 PPBV
RT: 6.138 min Scan# 2002
Delta R.T. 0.002 min
Lab File: Q4459.D
Acq: 31 Aug 2007 12:19 pm

Tgt Ion: 42 Resp: 57271

Ion	Ratio	Lower	Upper
42	100		
41	96.2	79.2	119.2
57	22.7	4.7	44.7

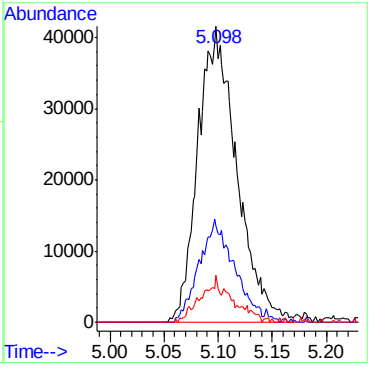


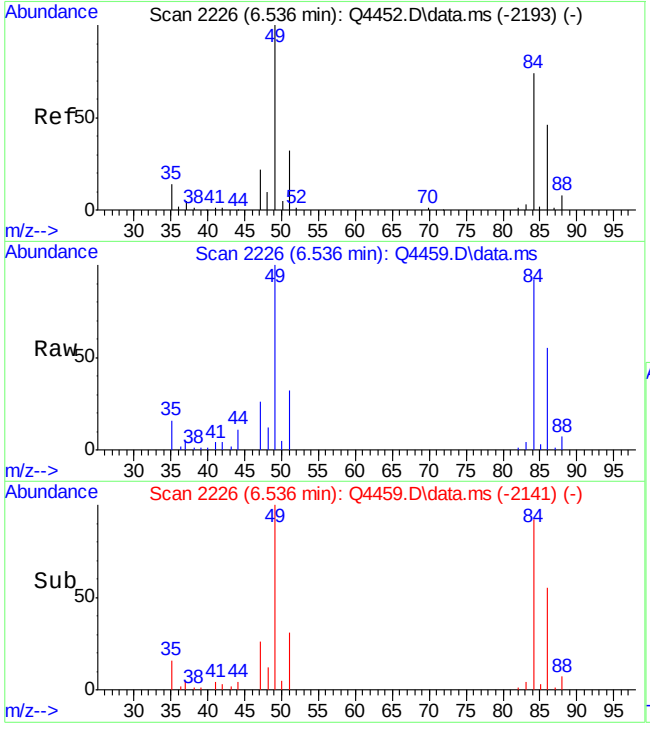


#16
ETHANOL
Concen: 8.80 PPBV
RT: 5.098 min Scan# 1416
Delta R.T. 0.007 min
Lab File: Q4459.D
Acq: 31 Aug 2007 12:19 pm

Tgt Ion: 45 Resp: 103593

Ion	Ratio	Lower	Upper
45	100		
46	32.2	12.3	52.3
42	12.6	0.0	30.4

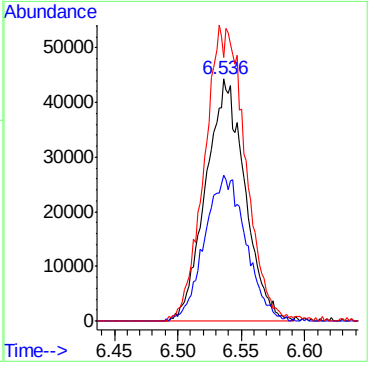


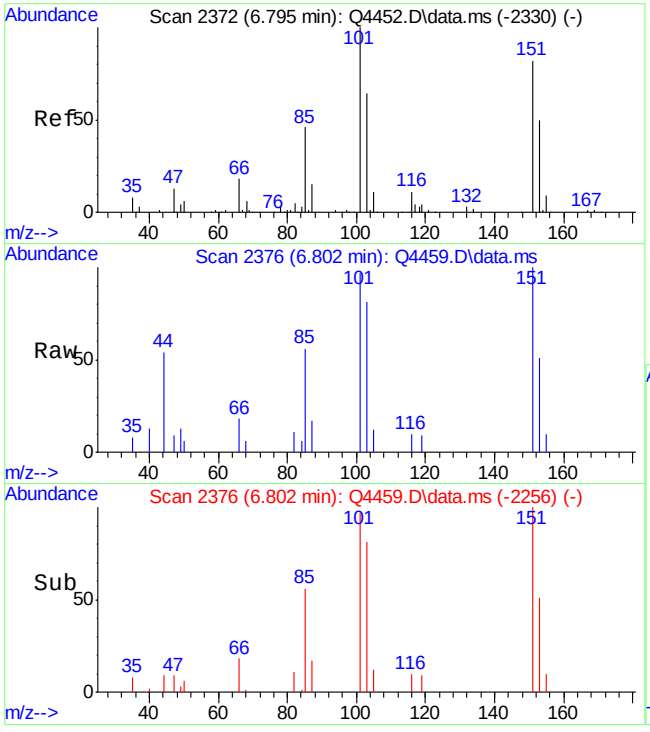


#18
METHYLENE CHLORIDE
Concen: 1.57 PPBV
RT: 6.536 min Scan# 2226
Delta R.T. 0.001 min
Lab File: Q4459.D
Acq: 31 Aug 2007 12:19 pm

Tgt Ion: 84 Resp: 93097

Ion	Ratio	Lower	Upper
84	100		
86	63.8	45.0	85.0
49	128.7	0.0	336.9

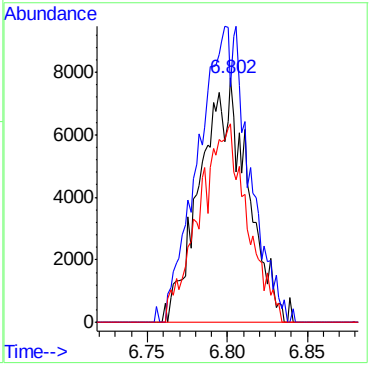


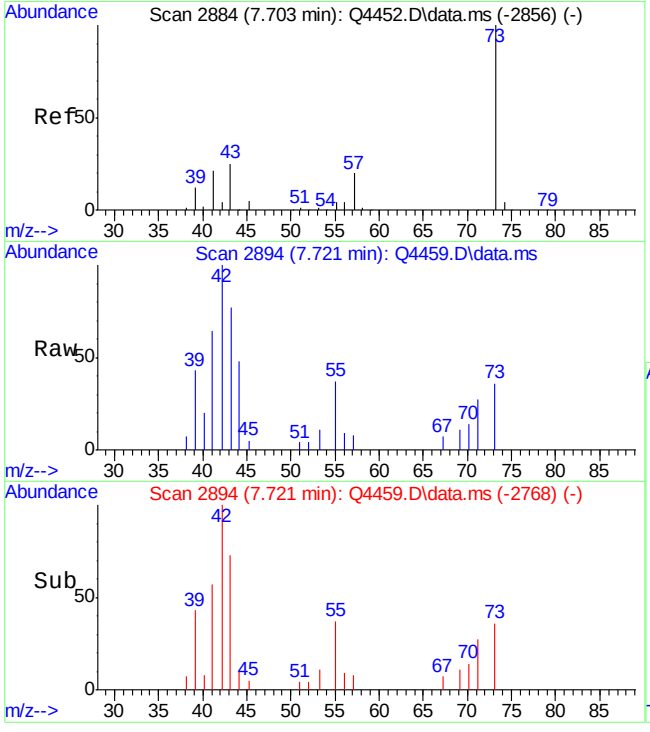


#20
FREON 113
Concen: 0.20 PPBV
RT: 6.802 min Scan# 2376
Delta R.T. 0.007 min
Lab File: Q4459.D
Acq: 31 Aug 2007 12:19 pm

Tgt Ion:151 Resp: 16269

Ion	Ratio	Lower	Upper
151	100		
101	129.6	108.9	148.9
103	81.3	62.4	102.4

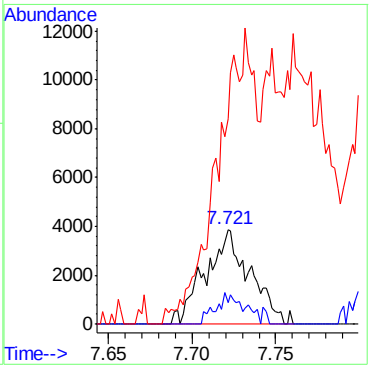


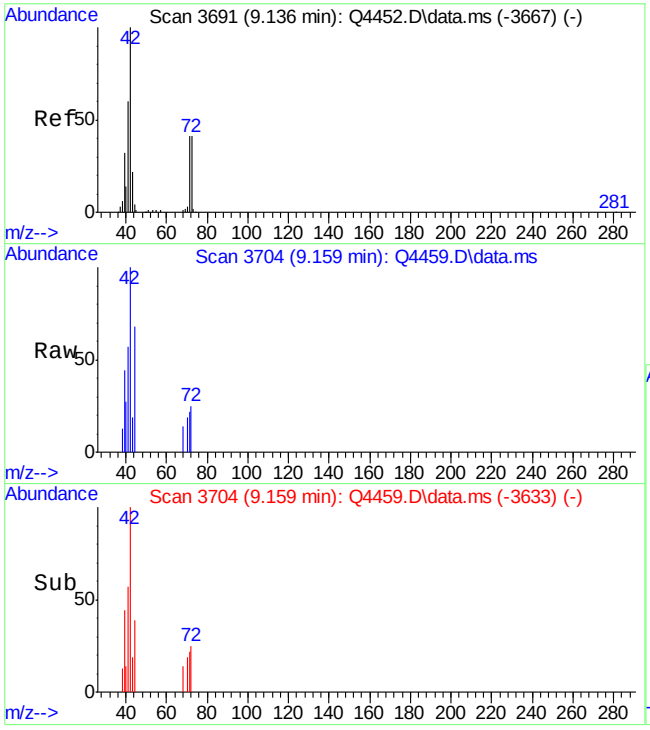


#23
METHYL TERTIARY BUTYL ETHER
Concen: 0.09 PPBV
RT: 7.721 min Scan# 2894
Delta R.T. 0.018 min
Lab File: Q4459.D
Acq: 31 Aug 2007 12:19 pm

Tgt Ion: 73 Resp: 7166

Ion	Ratio	Lower	Upper
73	100		
57	22.3	0.0	39.4
43	635.6	3.6	43.6#

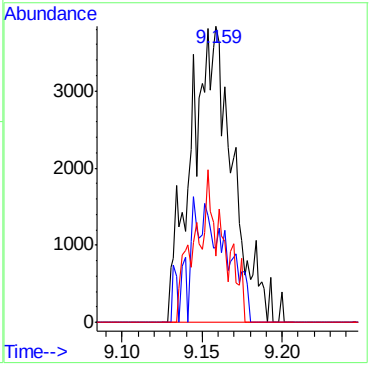


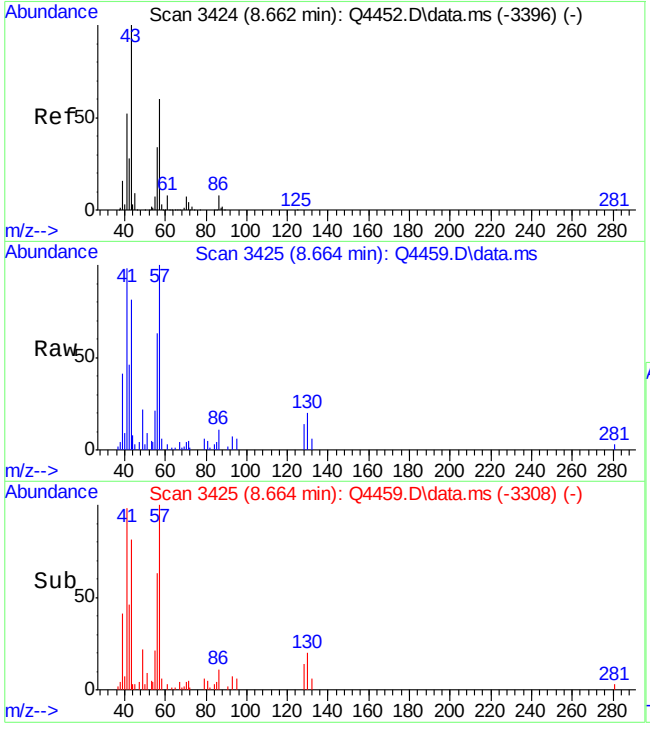


#24
TETRAHYDROFURAN
Concen: 0.84 PPBV
RT: 9.159 min Scan# 3704
Delta R.T. 0.024 min
Lab File: Q4459.D
Acq: 31 Aug 2007 12:19 pm

Tgt Ion: 42 Resp: 7014

Ion	Ratio	Lower	Upper
42	100		
72	36.3	22.3	62.3
71	34.8	22.5	62.5

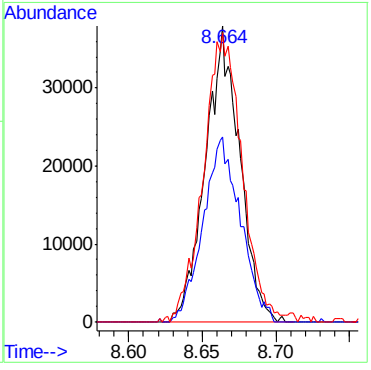


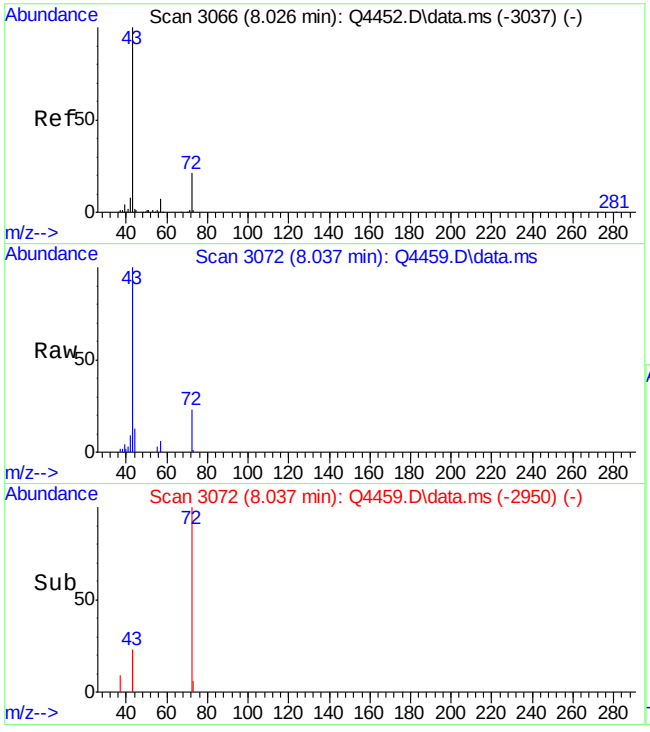


#25
HEXANE
Concen: 1.18 PPBV
RT: 8.664 min Scan# 3425
Delta R.T. 0.002 min
Lab File: Q4459.D
Acq: 31 Aug 2007 12:19 pm

Tgt Ion: 57 Resp: 61296

Ion	Ratio	Lower	Upper
57	100		
56	68.1	36.6	76.6
41	110.4	72.0	112.0

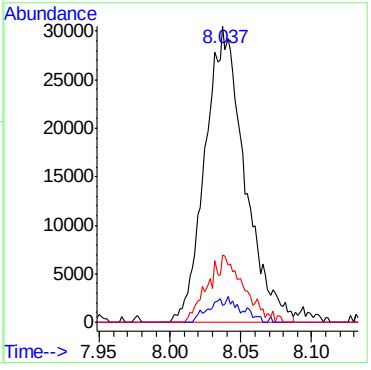


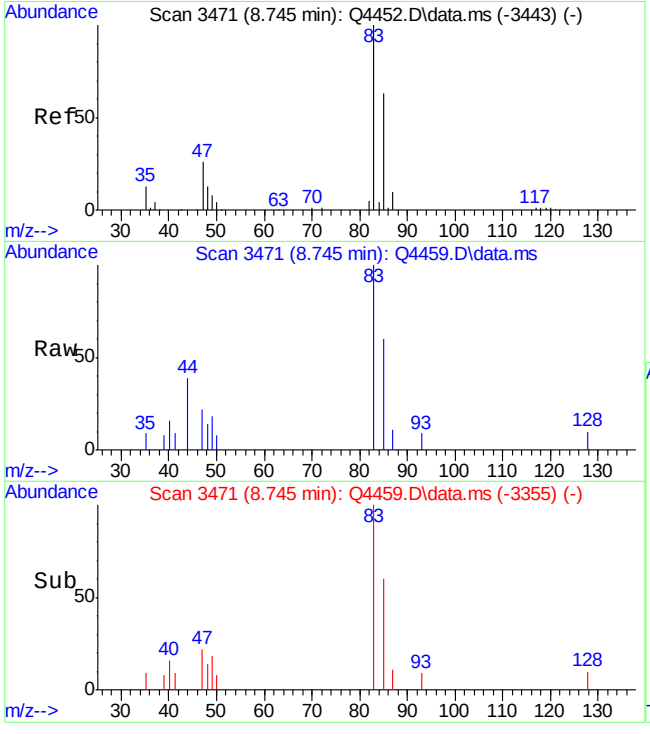


#28
METHYL ETHYL KETONE
Concen: 1.12 PPBV
RT: 8.037 min Scan# 3072
Delta R.T. 0.011 min
Lab File: Q4459.D
Acq: 31 Aug 2007 12:19 pm

Tgt Ion: 43 Resp: 59461

Ion	Ratio	Lower	Upper
43	100		
57	5.9	0.0	26.5
72	22.6	0.5	40.5

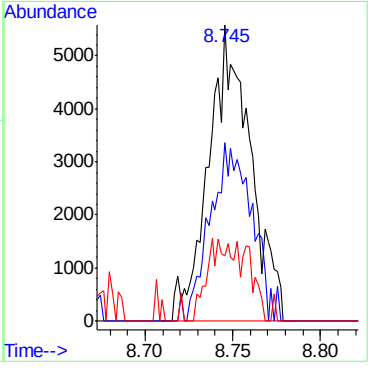


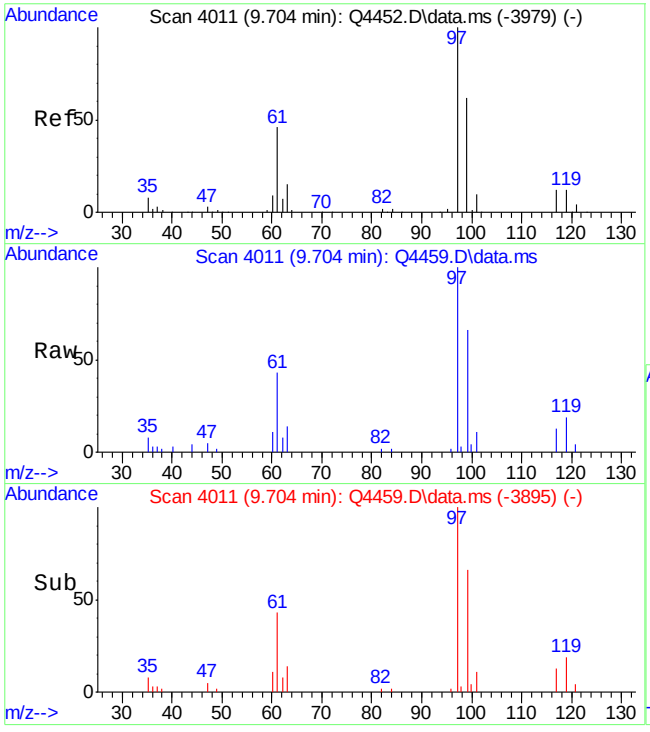


#31
CHLOROFORM
Concen: 0.10 PPBV
RT: 8.745 min Scan# 3471
Delta R.T. 0.000 min
Lab File: Q4459.D
Acq: 31 Aug 2007 12:19 pm

Tgt Ion: 83 Resp: 9258

Ion	Ratio	Lower	Upper
83	100		
85	58.7	44.9	84.9
47	26.0	7.5	47.5

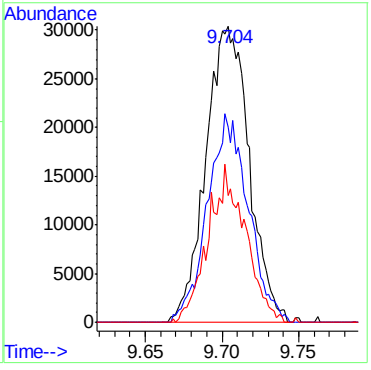


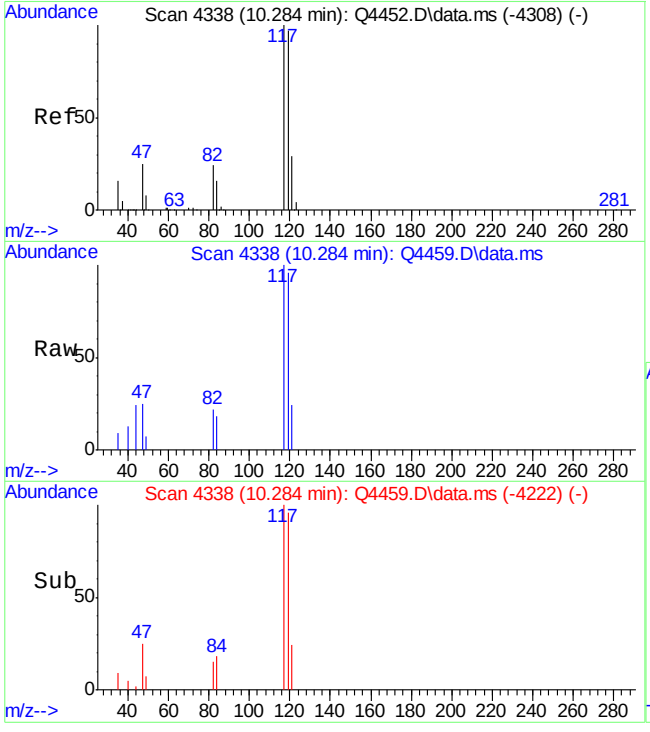


#32
1,1,1-TRICHLOROETHANE
Concen: 0.68 PPBV
RT: 9.704 min Scan# 4011
Delta R.T. 0.000 min
Lab File: Q4459.D
Acq: 31 Aug 2007 12:19 pm

Tgt Ion: 97 Resp: 59636

Ion	Ratio	Lower	Upper
97	100		
99	66.1	44.2	84.2
61	45.4	27.3	67.3

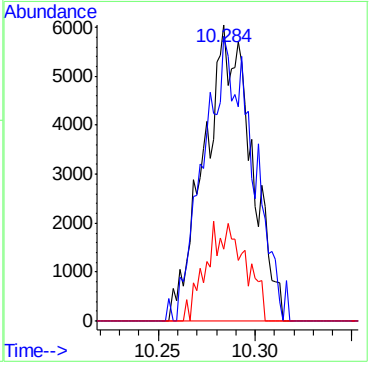


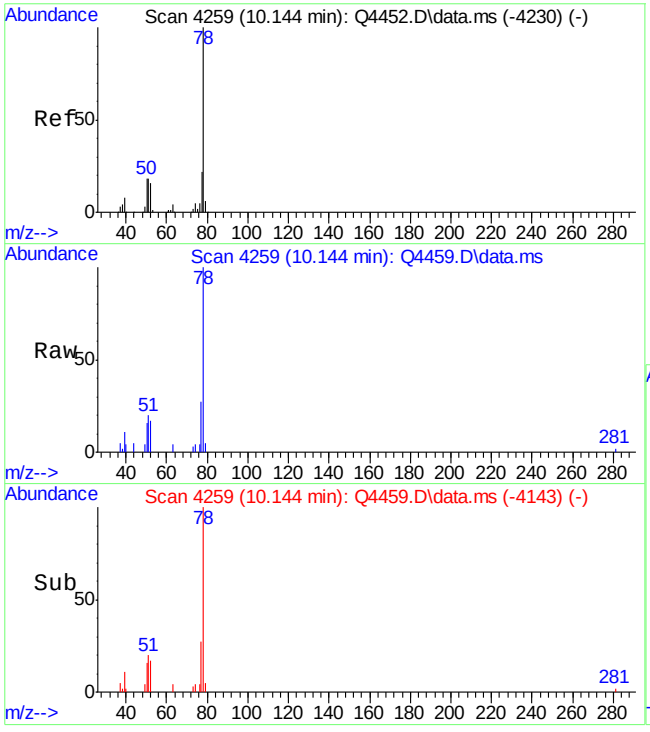


#33
CARBON TETRACHLORIDE
Concen: 0.10 PPBV
RT: 10.284 min Scan# 4338
Delta R.T. 0.000 min
Lab File: Q4459.D
Acq: 31 Aug 2007 12:19 pm

Tgt Ion:117 Resp: 10245

Ion	Ratio	Lower	Upper
117	100		
119	99.1	76.2	116.2
121	27.4	10.8	50.8

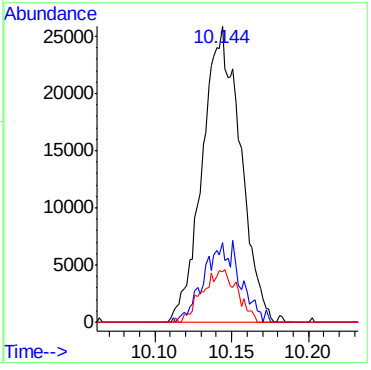


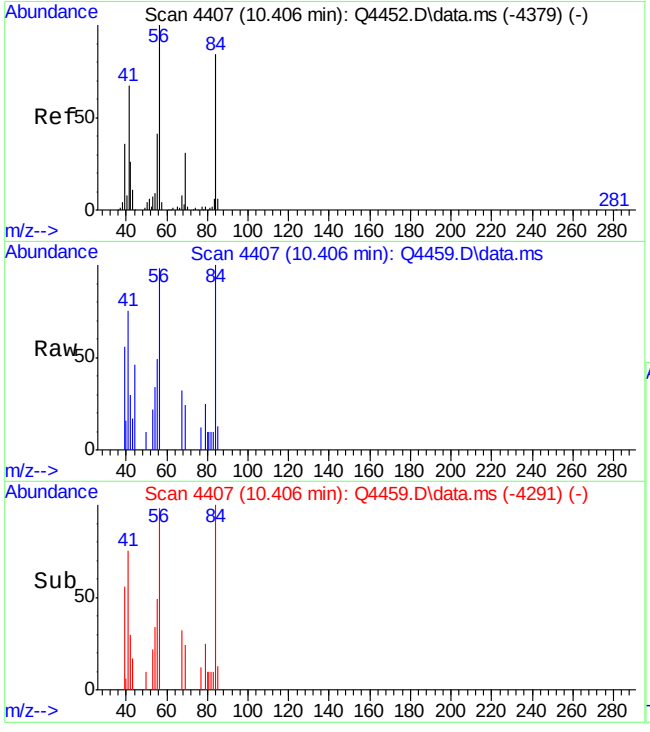


#36
BENZENE
Concen: 0.58 PPBV
RT: 10.144 min Scan# 4259
Delta R.T. 0.000 min
Lab File: Q4459.D
Acq: 31 Aug 2007 12:19 pm

Tgt Ion: 78 Resp: 44514

Ion	Ratio	Lower	Upper
78	100		
77	25.5	3.0	43.0
52	16.3	0.0	36.1

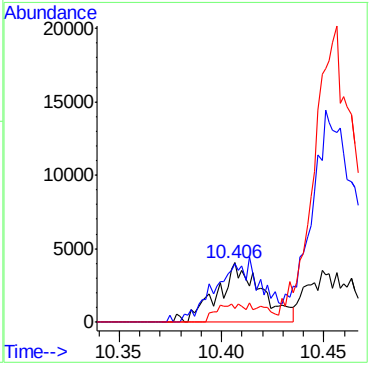


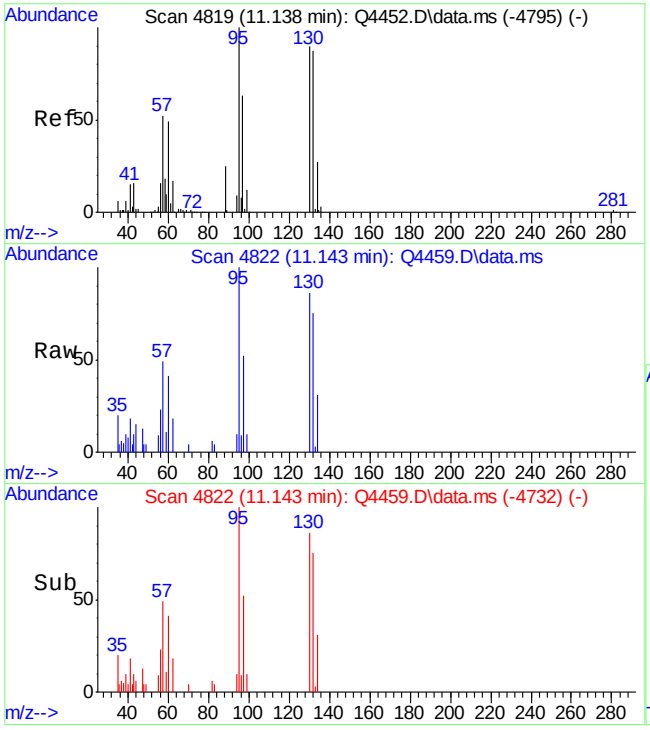


#37
CYCLOHEXANE
Concen: 0.18 PPBV
RT: 10.406 min Scan# 4407
Delta R.T. 0.000 min
Lab File: Q4459.D
Acq: 31 Aug 2007 12:19 pm

Tgt Ion: 84 Resp: 6100

Ion	Ratio	Lower	Upper
84	100		
56	109.3	107.0	147.0
69	32.6	18.3	58.3

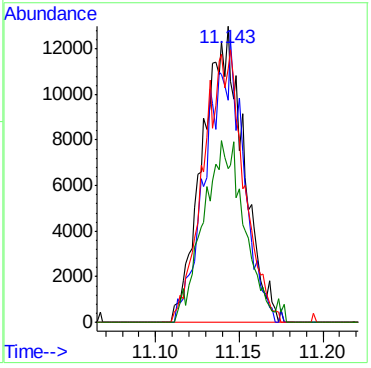


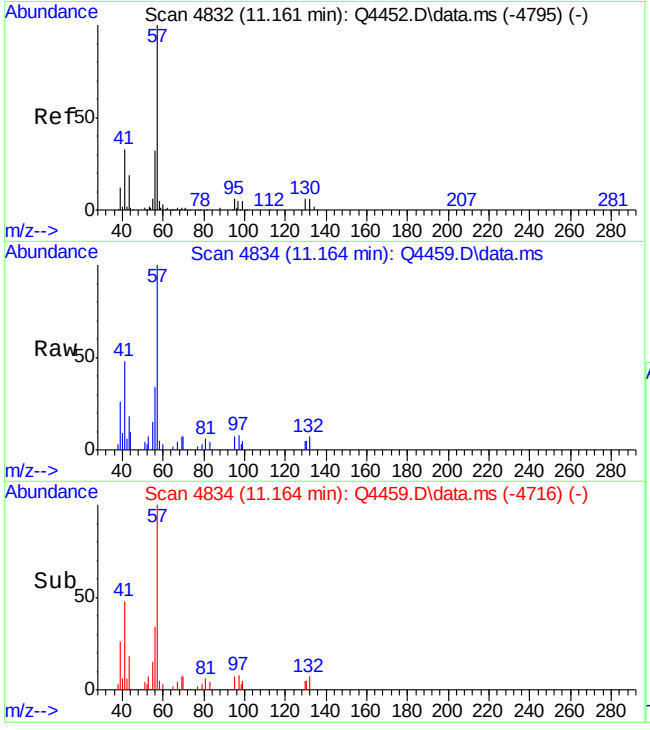


#38
TRICHLOROETHYLENE
Concen: 0.52 PPBV
RT: 11.143 min Scan# 4822
Delta R.T. 0.005 min
Lab File: Q4459.D
Acq: 31 Aug 2007 12:19 pm

Tgt Ion: 95 Resp: 22105

Ion	Ratio	Lower	Upper
95	100		
132	86.1	71.4	111.4
130	90.4	74.0	114.0
97	62.2	45.3	85.3

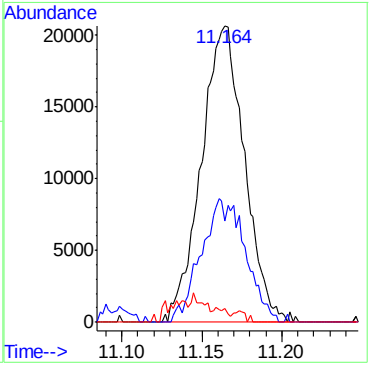


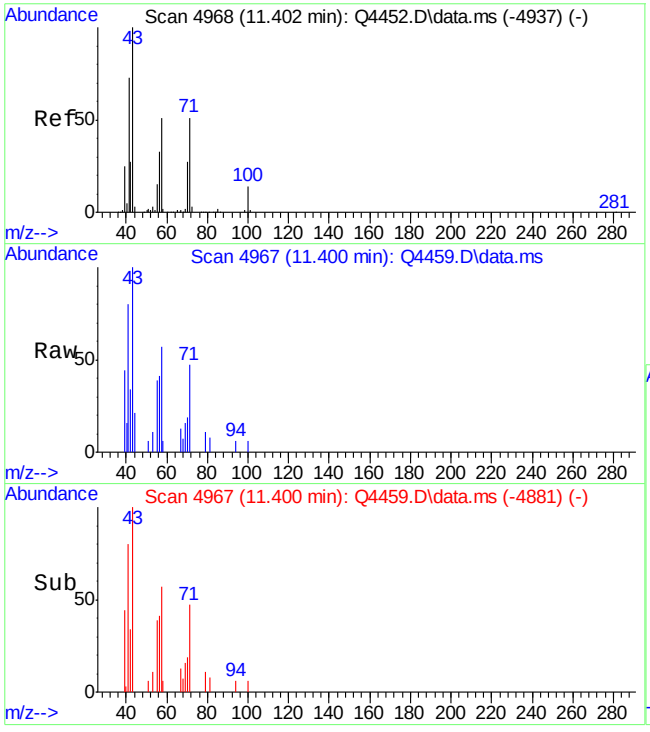


#41
2,2,4-TRIMETHYLPENTANE
Concen: 0.31 PPBV
RT: 11.164 min Scan# 4834
Delta R.T. 0.004 min
Lab File: Q4459.D
Acq: 31 Aug 2007 12:19 pm

Tgt Ion: 57 Resp: 38682

Ion	Ratio	Lower	Upper
57	100		
56	42.7	11.9	51.9
99	8.9	0.0	27.2

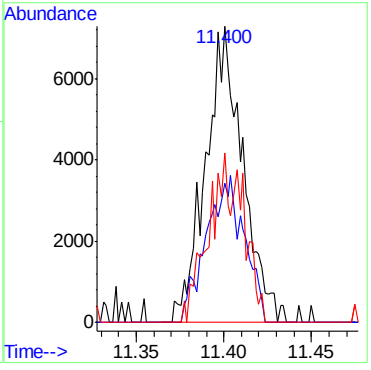


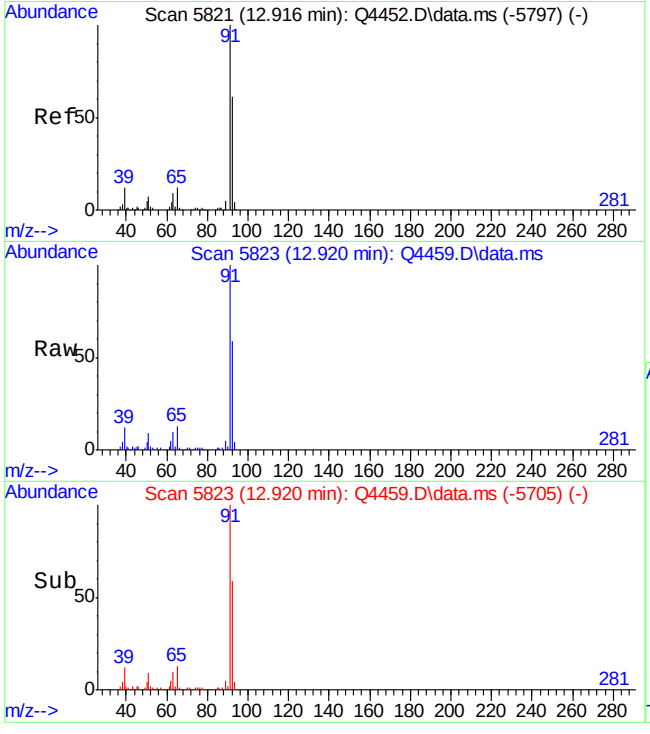


#43
HEPTANE
Concen: 0.86 PPBV
RT: 11.400 min Scan# 4967
Delta R.T. -0.002 min
Lab File: Q4459.D
Acq: 31 Aug 2007 12:19 pm

Tgt Ion: 43 Resp: 10734

Ion	Ratio	Lower	Upper
43	100		
71	50.4	33.6	73.6
57	53.3	31.5	71.5

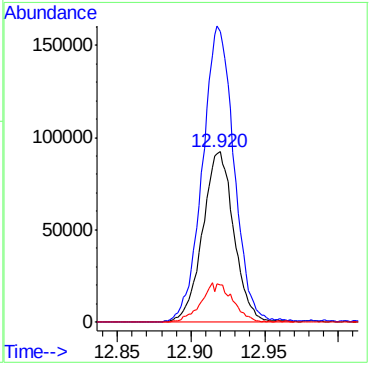


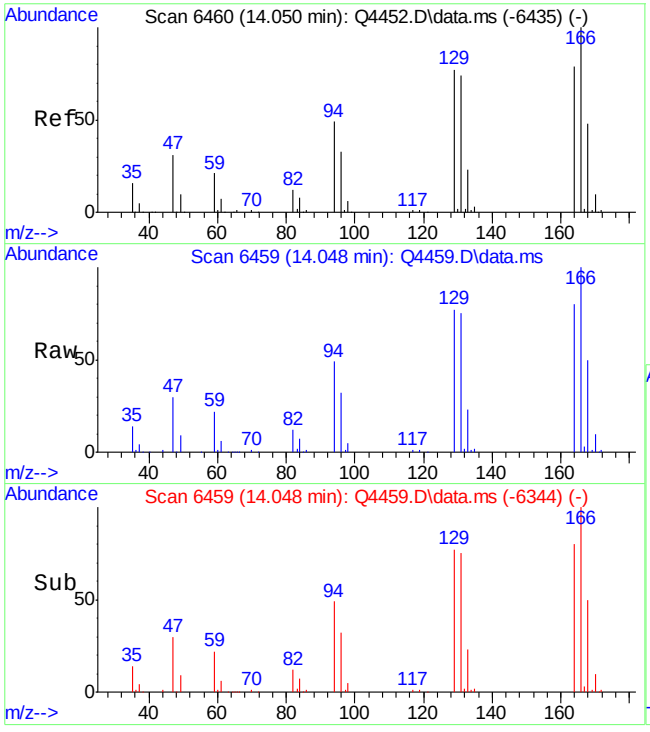


#46
TOLUENE
Concen: 2.79 PPBV
RT: 12.920 min Scan# 5823
Delta R.T. 0.004 min
Lab File: Q4459.D
Acq: 31 Aug 2007 12:19 pm

Tgt Ion: 92 Resp: 136221

Ion	Ratio	Lower	Upper
92	100		
91	175.6	147.2	187.2
65	23.0	0.8	40.8

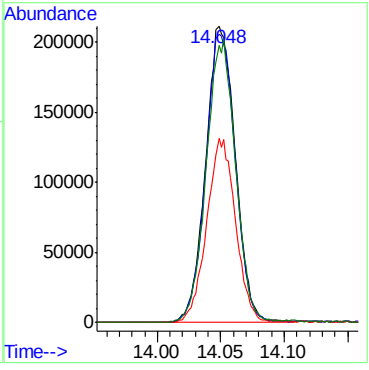


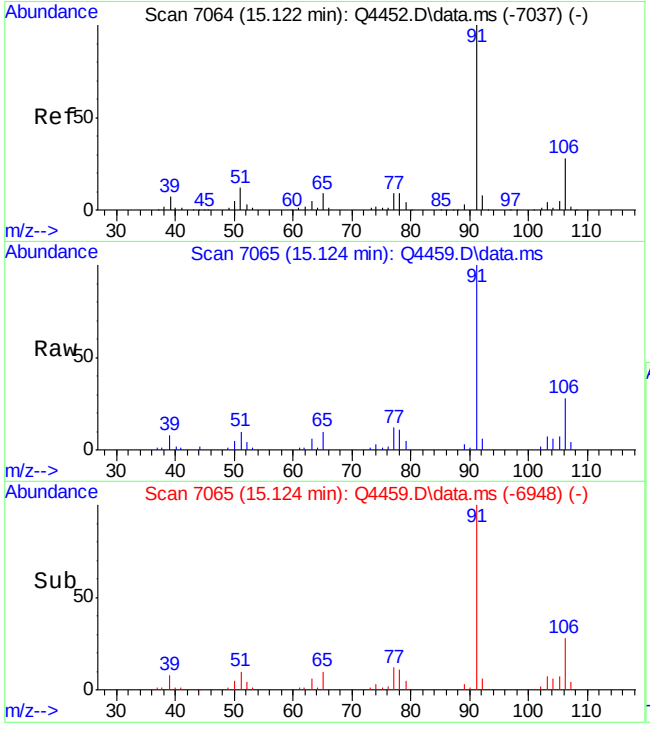


#51
TETRACHLOROETHYLENE
Concen: 8.42 PPBV
RT: 14.048 min Scan# 6459
Delta R.T. -0.002 min
Lab File: Q4459.D
Acq: 31 Aug 2007 12:19 pm

Tgt Ion:164 Resp: 333647

Ion	Ratio	Lower	Upper
164	100		
129	97.7	79.7	119.7
168	60.5	42.4	82.4
131	94.6	74.8	114.8

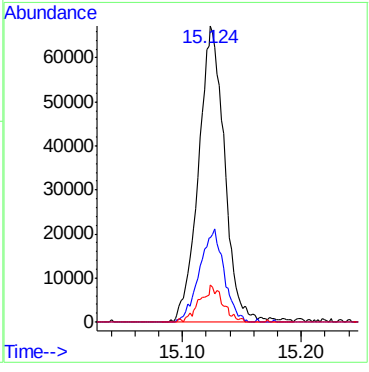




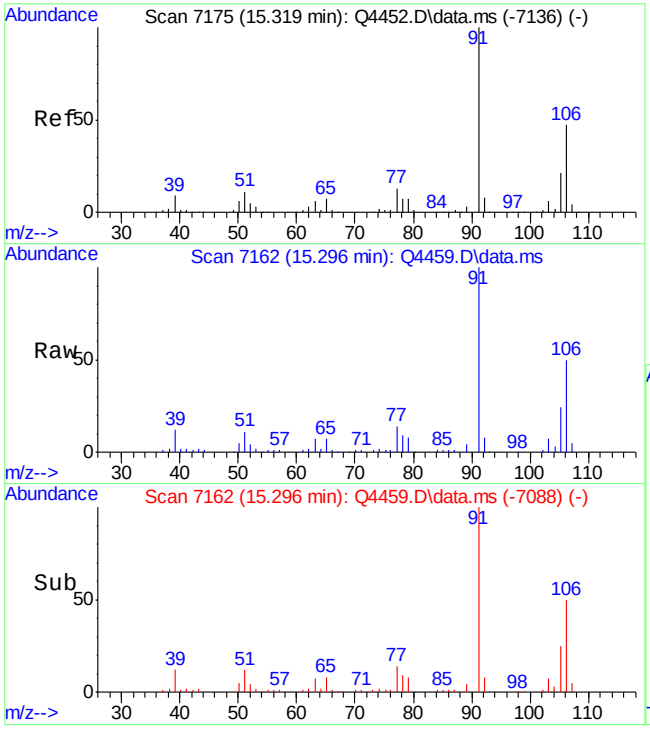
#55
ETHYLBENZENE
Concen: 1.60 PPBV
RT: 15.124 min Scan# 7065
Delta R.T. 0.002 min
Lab File: Q4459.D
Acq: 31 Aug 2007 12:19 pm

Tgt Ion: 91 Resp: 102350

Ion	Ratio	Lower	Upper
91	100		
106	29.5	9.3	49.3
77	10.9	0.0	29.6



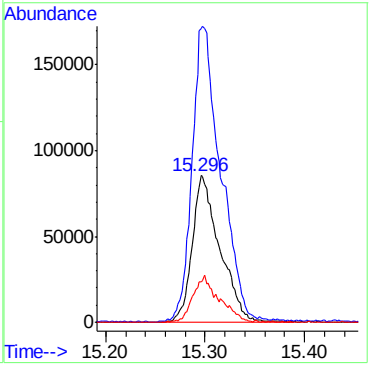
ACCUTEST Laboratories M67318

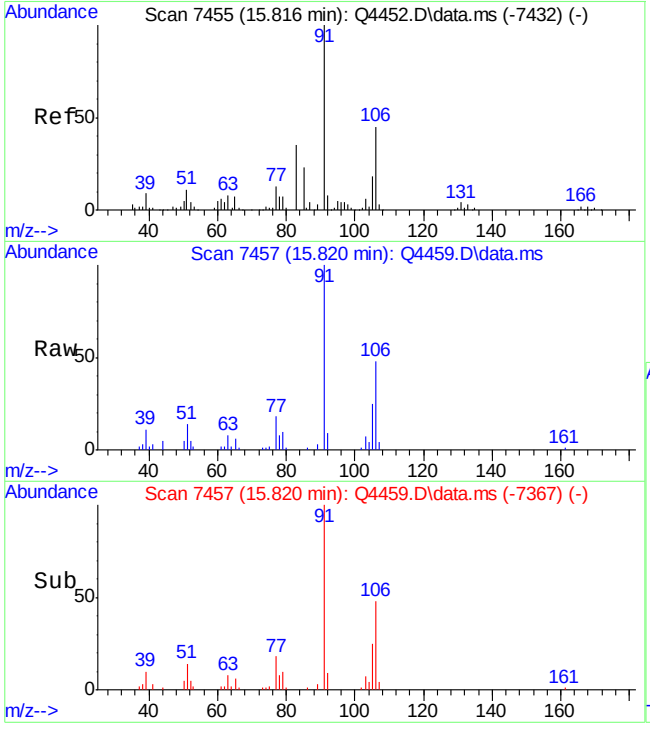


#56
m,p-XYLENE
Concen: 5.04 PPBV
RT: 15.296 min Scan# 7162
Delta R.T. -0.023 min
Lab File: Q4459.D
Acq: 31 Aug 2007 12:19 pm

Tgt Ion:106 Resp: 164982

Ion	Ratio	Lower	Upper
106	100		
91	200.2	171.2	256.8
77	27.8	22.6	34.0

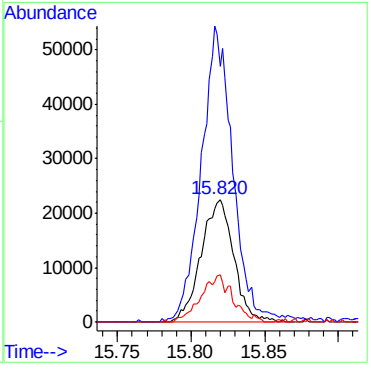


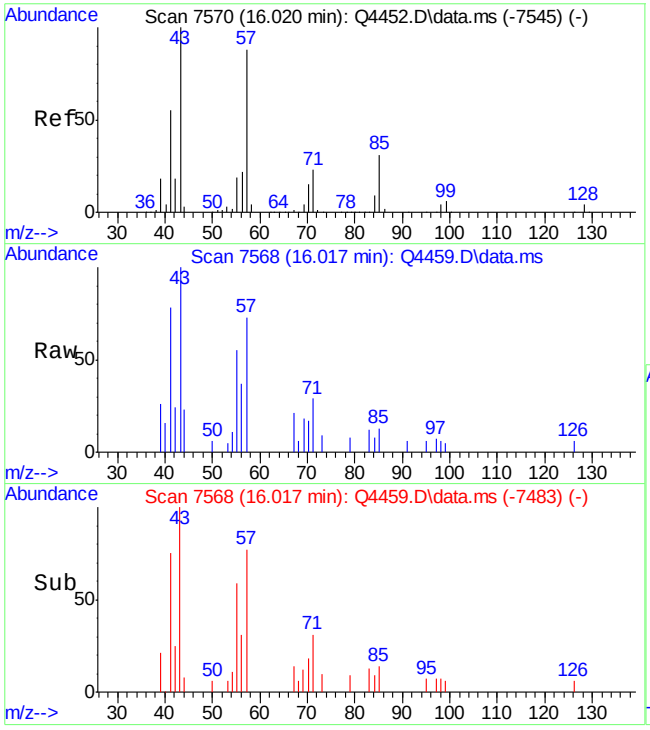


#57
o-XYLENE
Concen: 1.38 PPBV
RT: 15.820 min Scan# 7457
Delta R.T. 0.005 min
Lab File: Q4459.D
Acq: 31 Aug 2007 12:19 pm

Tgt Ion:106 Resp: 34685

Ion	Ratio	Lower	Upper
106	100		
91	234.7	200.8	240.8
77	37.4	8.3	48.3

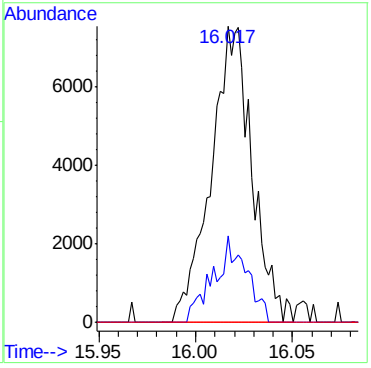


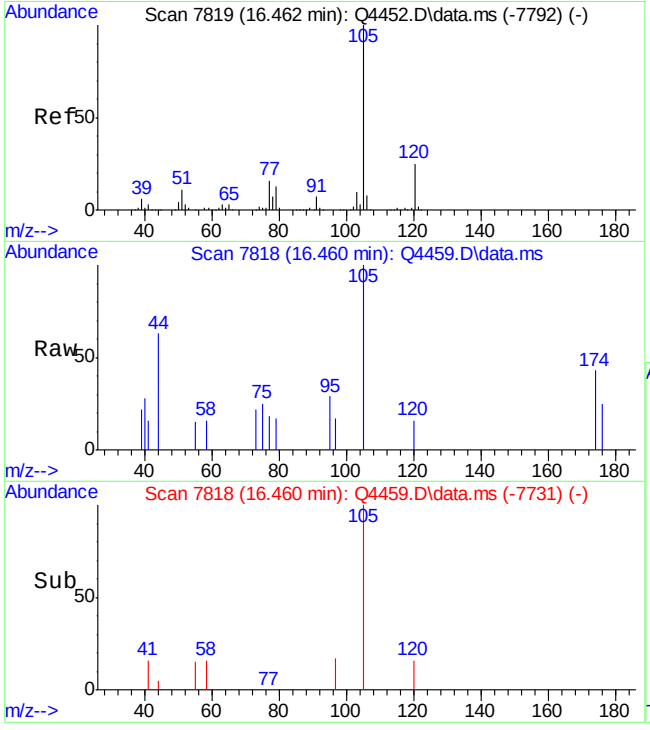


#59
NONANE
Concen: 0.85 PPBV
RT: 16.017 min Scan# 7568
Delta R.T. -0.003 min
Lab File: Q4459.D
Acq: 31 Aug 2007 12:19 pm

Tgt Ion: 43 Resp: 11095

Ion	Ratio	Lower	Upper
43	100		
71	23.3	2.0	42.0
128	0.0	0.0	24.4

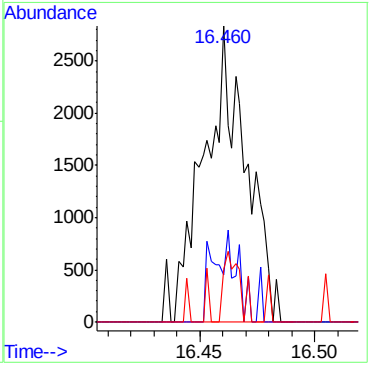


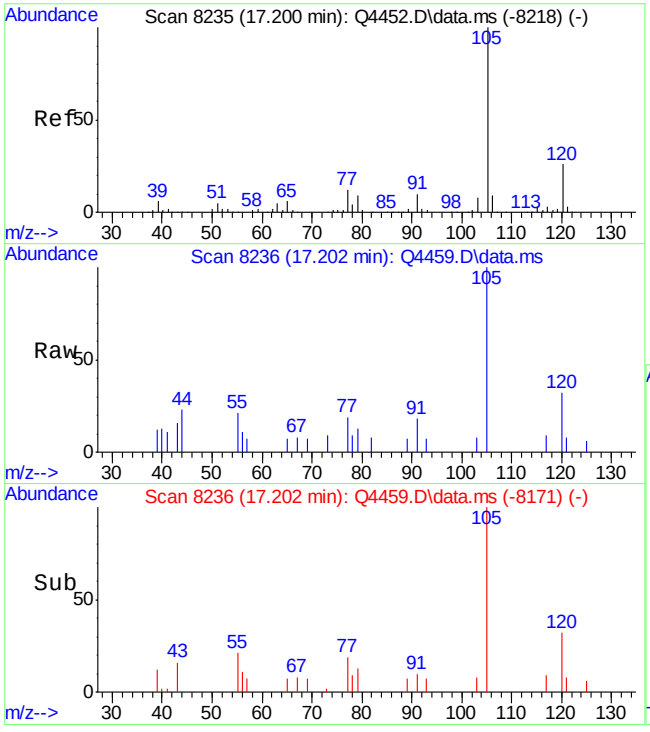


#63
ISOPROPYLBENZENE
Concen: 0.57 PPBV
RT: 16.460 min Scan# 7818
Delta R.T. -0.001 min
Lab File: Q4459.D
Acq: 31 Aug 2007 12:19 pm

Tgt Ion:105 Resp: 3640

Ion	Ratio	Lower	Upper
105	100		
120	15.8	4.2	44.2
77	9.3	0.0	37.1

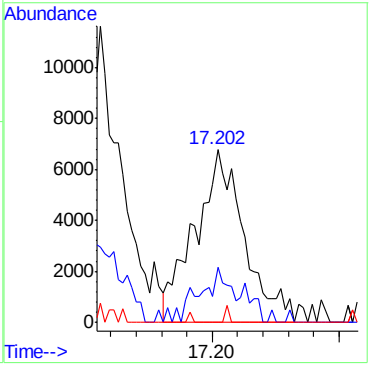


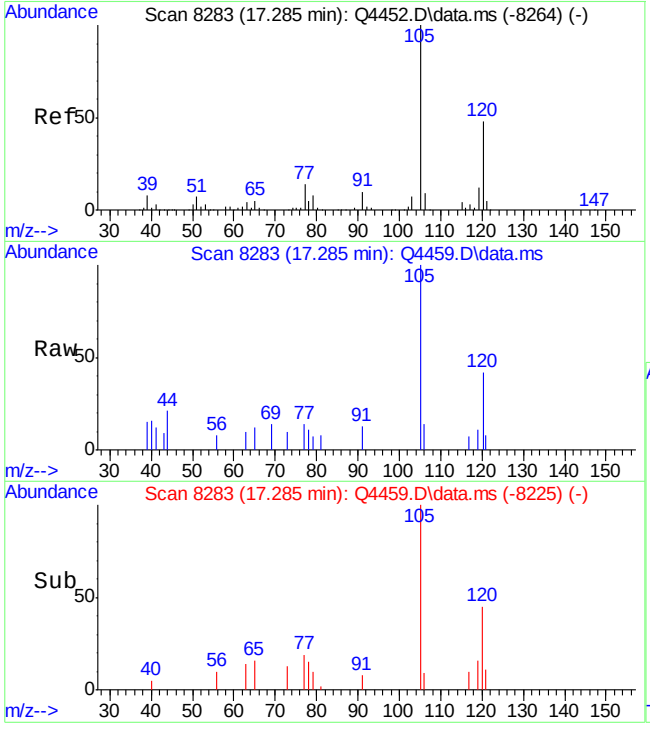


#65
4-ETHYLTOLUENE
Concen: 0.91 PPBV m
RT: 17.202 min Scan# 8236
Delta R.T. 0.002 min
Lab File: Q4459.D
Acq: 31 Aug 2007 12:19 pm

Tgt Ion:105 Resp: 8998

Ion	Ratio	Lower	Upper
105	100		
120	50.5	8.2	48.2#
119	4.7	0.0	22.3

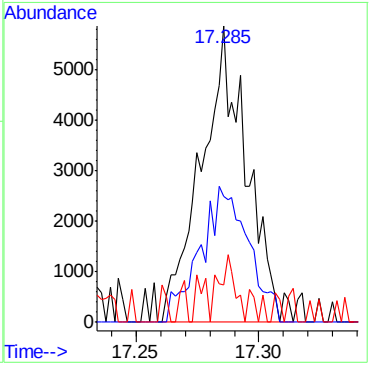


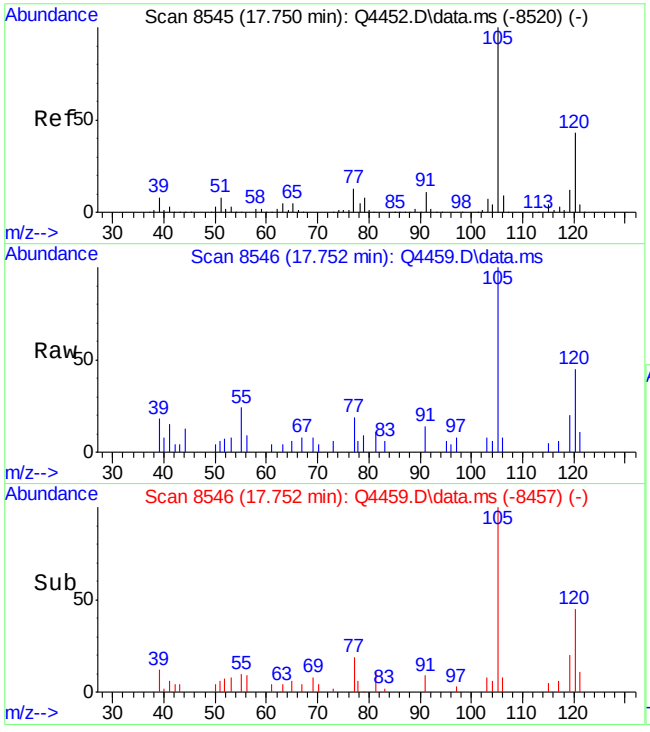


#66
1,3,5-TRIMETHYLBENZENE
Concen: 0.84 PPBV
RT: 17.285 min Scan# 8283
Delta R.T. 0.000 min
Lab File: Q4459.D
Acq: 31 Aug 2007 12:19 pm

Tgt Ion:105 Resp: 7485

Ion	Ratio	Lower	Upper
105	100		
120	48.7	26.6	66.6
91	16.0	0.0	30.9

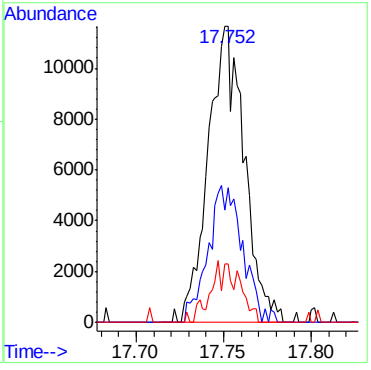




#67
1,2,4-TRIMETHYLBENZENE
Concen: 1.02 PPBV
RT: 17.752 min Scan# 8546
Delta R.T. 0.002 min
Lab File: Q4459.D
Acq: 31 Aug 2007 12:19 pm

Tgt Ion:105 Resp: 16670

Ion	Ratio	Lower	Upper
105	100		
120	43.4	23.4	63.4
119	16.3	0.0	31.5



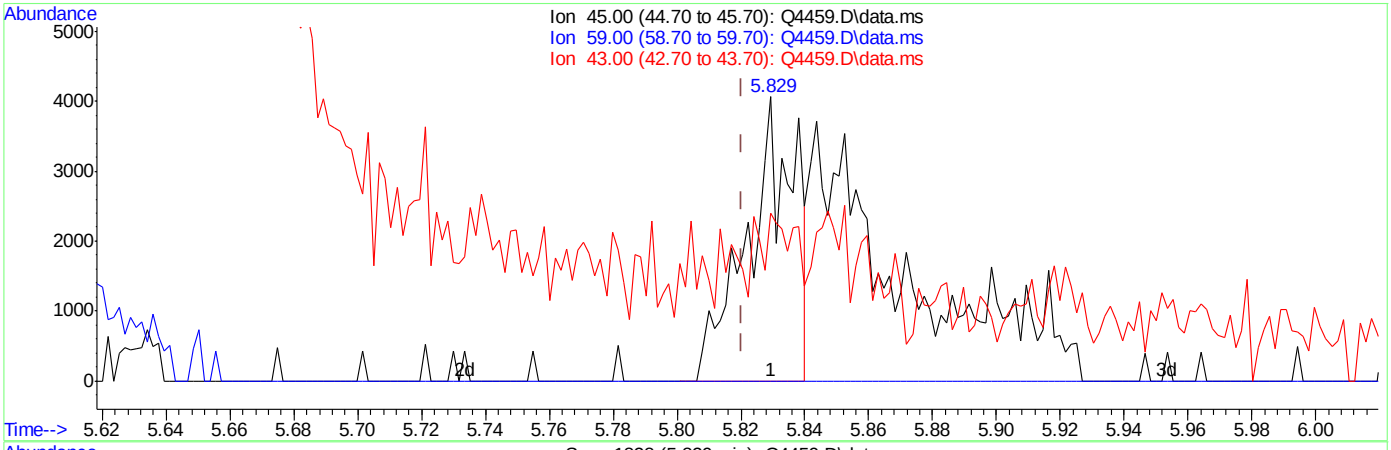
6.4.2

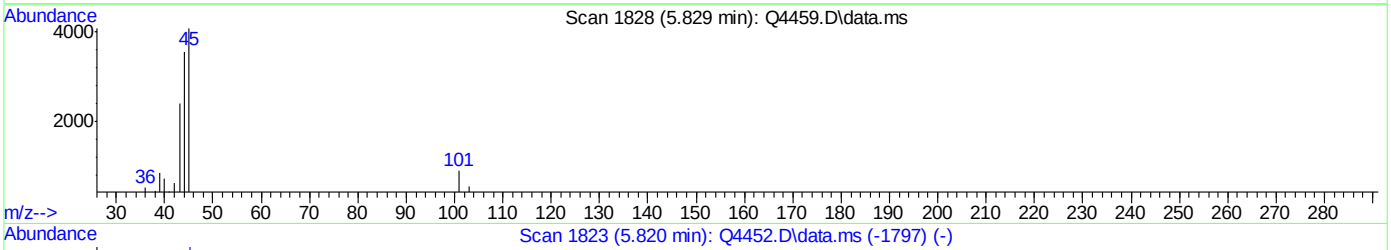
6

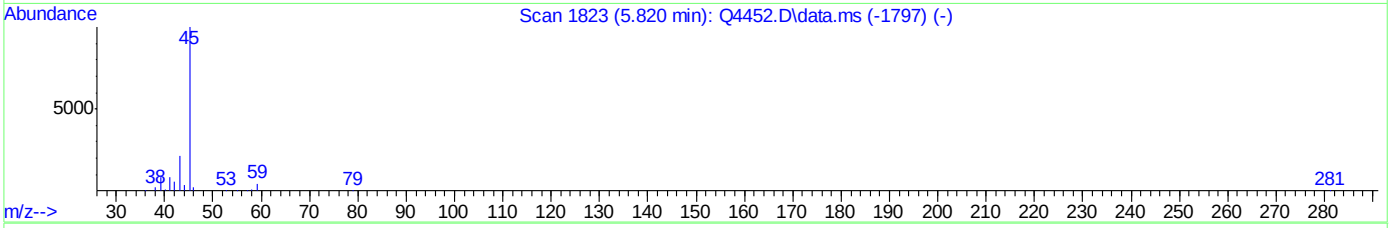
Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\
Data File : Q4459.D
Acq On : 31 Aug 2007 12:19 pm
Operator : danat
Sample : m67317-4dup (M141)
Misc : MS14204, MSQ234,,,,,1
ALS Vial : 8 Sample Multiplier: 1

Quant Time: Aug 31 13:06:46 2007
Quant Method : C:\msdchem\1\METHODS\Q083007T.m
Quant Title : TO15 by GCMS w/DB-1 60 m X .25 mm ID 1.0 um
QLast Update : Fri Aug 31 09:48:44 2007
Response via : Initial Calibration







TIC: Q4459.D\data.ms

(11) ISOPROPYL ALCOHOL (m)

5.829min (+0.009) 0.08PPBV

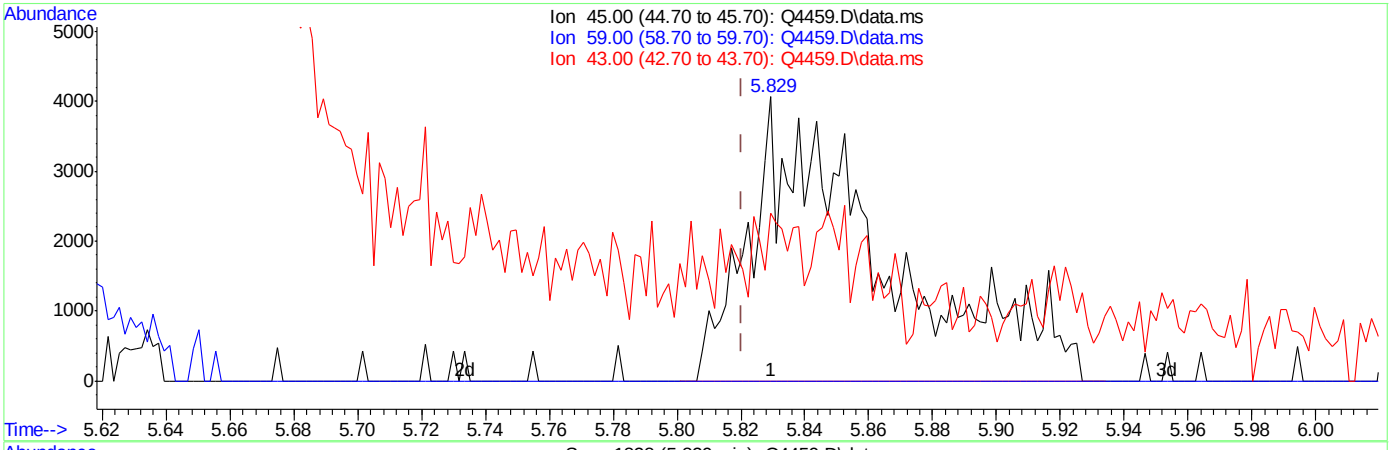
response 4202

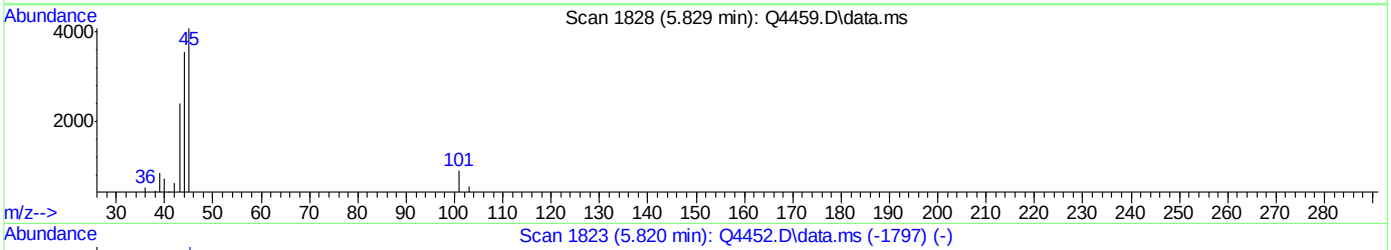
Ion	Exp%	Act%
45.00	100	100
59.00	4.30	0.00
43.00	21.70	58.92#
0.00	0.00	0.00

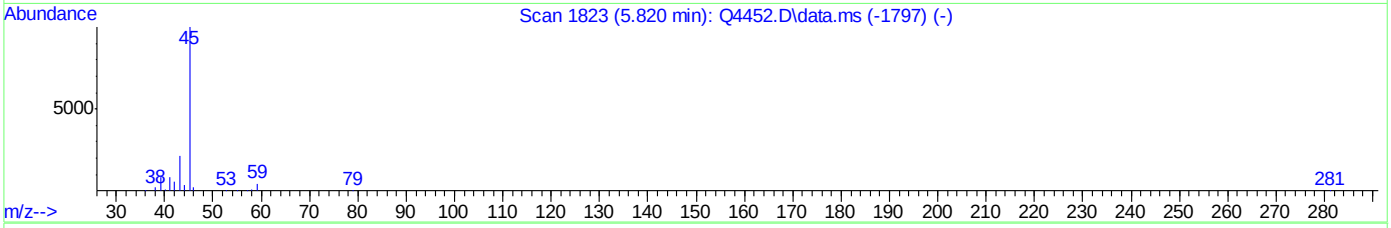
Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\
Data File : Q4459.D
Acq On : 31 Aug 2007 12:19 pm
Operator : danat
Sample : m67317-4dup (M141)
Misc : MS14204, MSQ234,,,,,1
ALS Vial : 8 Sample Multiplier: 1

Quant Time: Aug 31 13:06:46 2007
Quant Method : C:\msdchem\1\METHODS\Q083007T.m
Quant Title : TO15 by GCMS w/DB-1 60 m X .25 mm ID 1.0 um
QLast Update : Fri Aug 31 09:48:44 2007
Response via : Initial Calibration







TIC: Q4459.D\data.ms

(11) ISOPROPYL ALCOHOL (m)

5.829min (+0.009) 0.23PPBV m

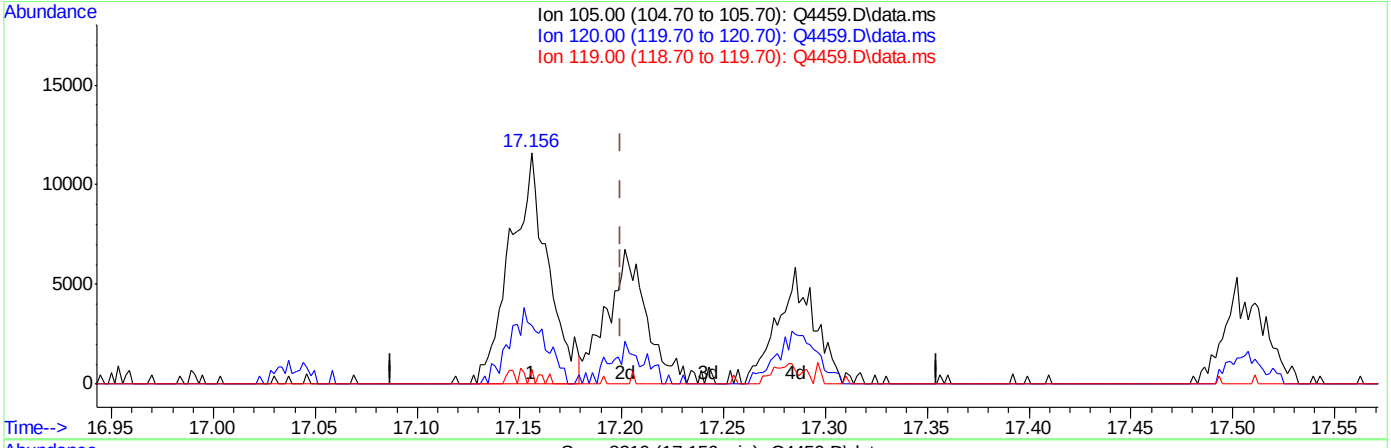
response 11546

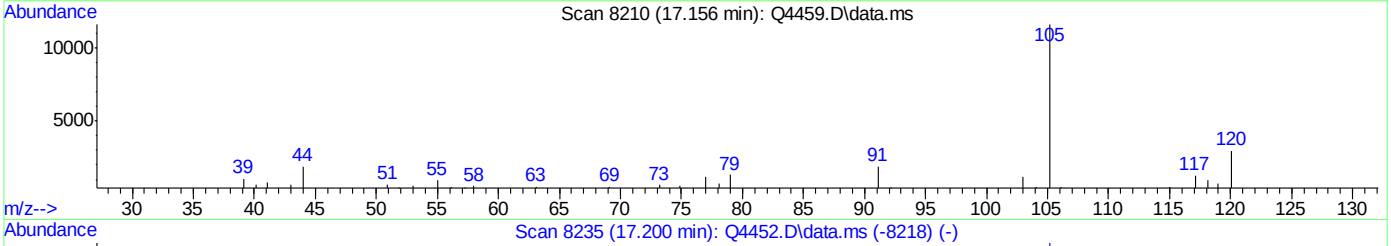
Ion	Exp%	Act%
45.00	100	100
59.00	4.30	0.00
43.00	21.70	58.92#
0.00	0.00	0.00

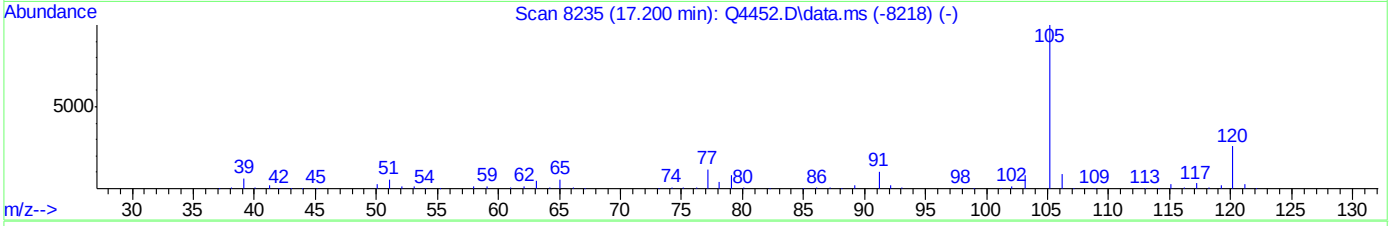
Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\
Data File : Q4459.D
Acq On : 31 Aug 2007 12:19 pm
Operator : danat
Sample : m67317-4dup (M141)
Misc : MS14204, MSQ234,,,,,1
ALS Vial : 8 Sample Multiplier: 1

Quant Time: Aug 31 13:06:46 2007
Quant Method : C:\msdchem\1\METHODS\Q083007T.m
Quant Title : TO15 by GCMS w/DB-1 60 m X .25 mm ID 1.0 um
QLast Update : Fri Aug 31 09:48:44 2007
Response via : Initial Calibration







TIC: Q4459.D\data.ms

(65) 4-ETHYLTOLUENE (m)

17.156min (-0.044) 0.95PPBV

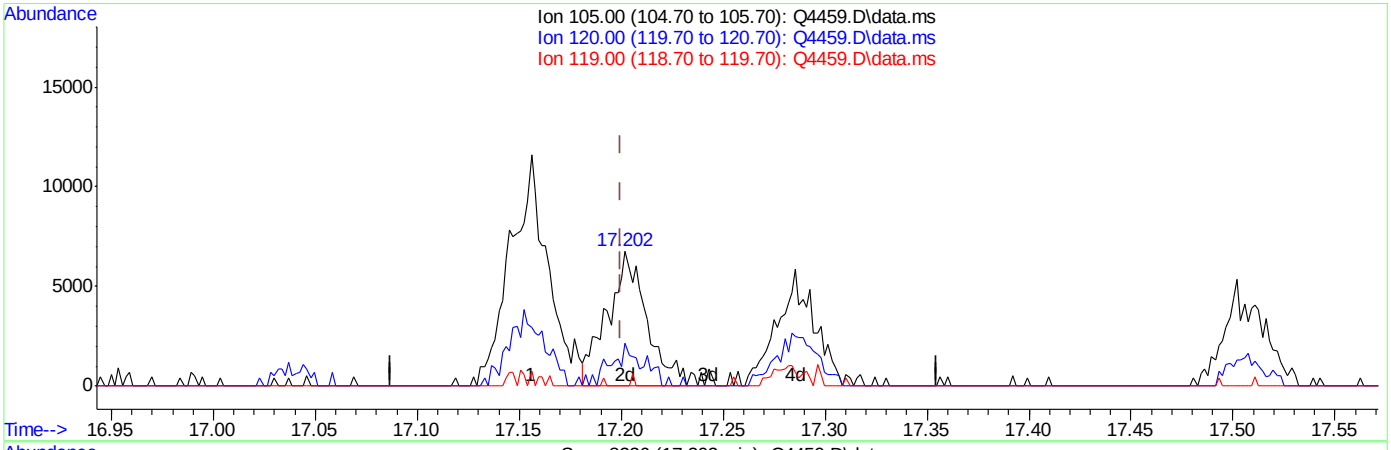
response 14832

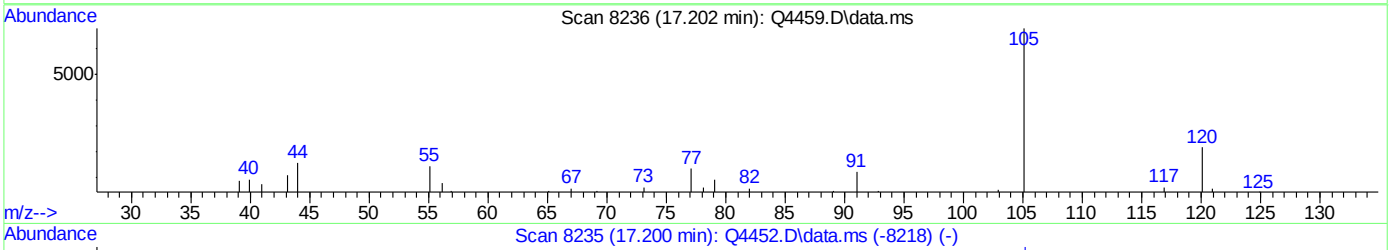
Ion	Exp%	Act%
105.00	100	100
120.00	28.20	30.64
119.00	2.30	2.82
0.00	0.00	0.00

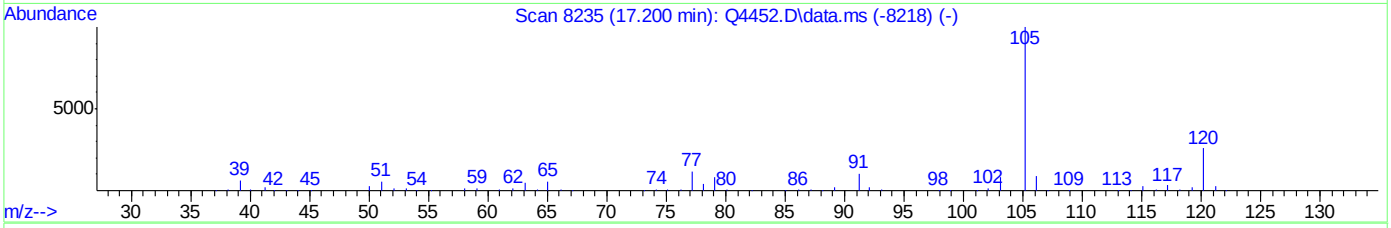
Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\
Data File : Q4459.D
Acq On : 31 Aug 2007 12:19 pm
Operator : danat
Sample : m67317-4dup (M141)
Misc : MS14204, MSQ234,,,,,1
ALS Vial : 8 Sample Multiplier: 1

Quant Time: Aug 31 13:06:46 2007
Quant Method : C:\msdchem\1\METHODS\Q083007T.m
Quant Title : TO15 by GCMS w/DB-1 60 m X .25 mm ID 1.0 um
QLast Update : Fri Aug 31 09:48:44 2007
Response via : Initial Calibration







TIC: Q4459.D\data.ms

(65) 4-ETHYLTOLUENE (m)

17.202min (+0.002) 0.91PPBV m

response 8998

Ion	Exp%	Act%
105.00	100	100
120.00	28.20	50.51#
119.00	2.30	4.66
0.00	0.00	0.00

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\
Data File : Q4356.D
Acq On : 21 Aug 2007 3:40 am
Operator : danat
Sample : scc (M162)
Misc : MS14080, MSQ230,,,,,1
ALS Vial : 16 Sample Multiplier: 1

Quant Time: Aug 21 16:29:30 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	243053	10.00	PPBV	0.00
35) 1,4-DIFLUOROBENZENE	10.460	114	1025344	10.00	PPBV	0.00
49) CHLOROBENZENE-D5	14.701	117	756805	10.00	PPBV	0.00

System Monitoring Compounds

61) 4-BROMOFLUOROBENZENE	16.323	95	149121	2.96	PPBV	0.00

Spiked Amount 5.000 Range 57 - 139 Recovery = 59.20%

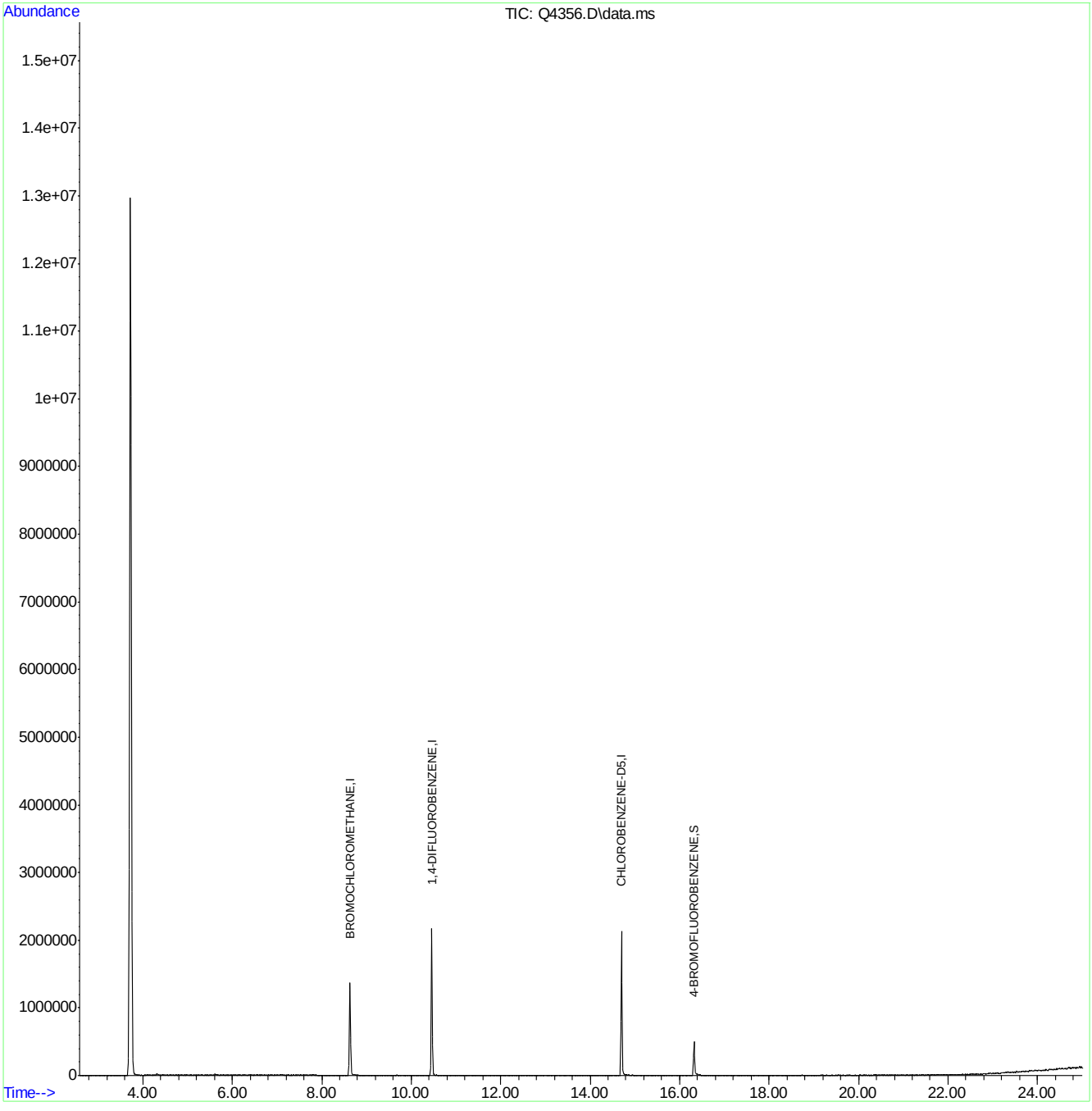
Target Compounds	Qvalue

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

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\
Data File : Q4356.D
Acq On : 21 Aug 2007 3:40 am
Operator : danat
Sample : scc (M162)
Misc : MS14080, MSQ230,,,,,1
ALS Vial : 16 Sample Multiplier: 1

Quant Time: Aug 21 16:29:30 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 : Q4359.D
Acq On : 21 Aug 2007 11:10 am
Operator : danat
Sample : scc (M075)
Misc : MS14080, MSQ230,,,,,1
ALS Vial : 6 Sample Multiplier: 1

Quant Time: Aug 21 16:33:27 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	261039	10.00	PPBV	0.00
35) 1,4-DIFLUOROBENZENE	10.456	114	1120735	10.00	PPBV	0.00
49) CHLOROBENZENE-D5	14.698	117	837265	10.00	PPBV	0.00

System Monitoring Compounds

61) 4-BROMOFLUOROBENZENE	16.324	95	189431	3.40	PPBV	0.00

Spiked Amount 5.000 Range 57 - 139 Recovery = 68.00%

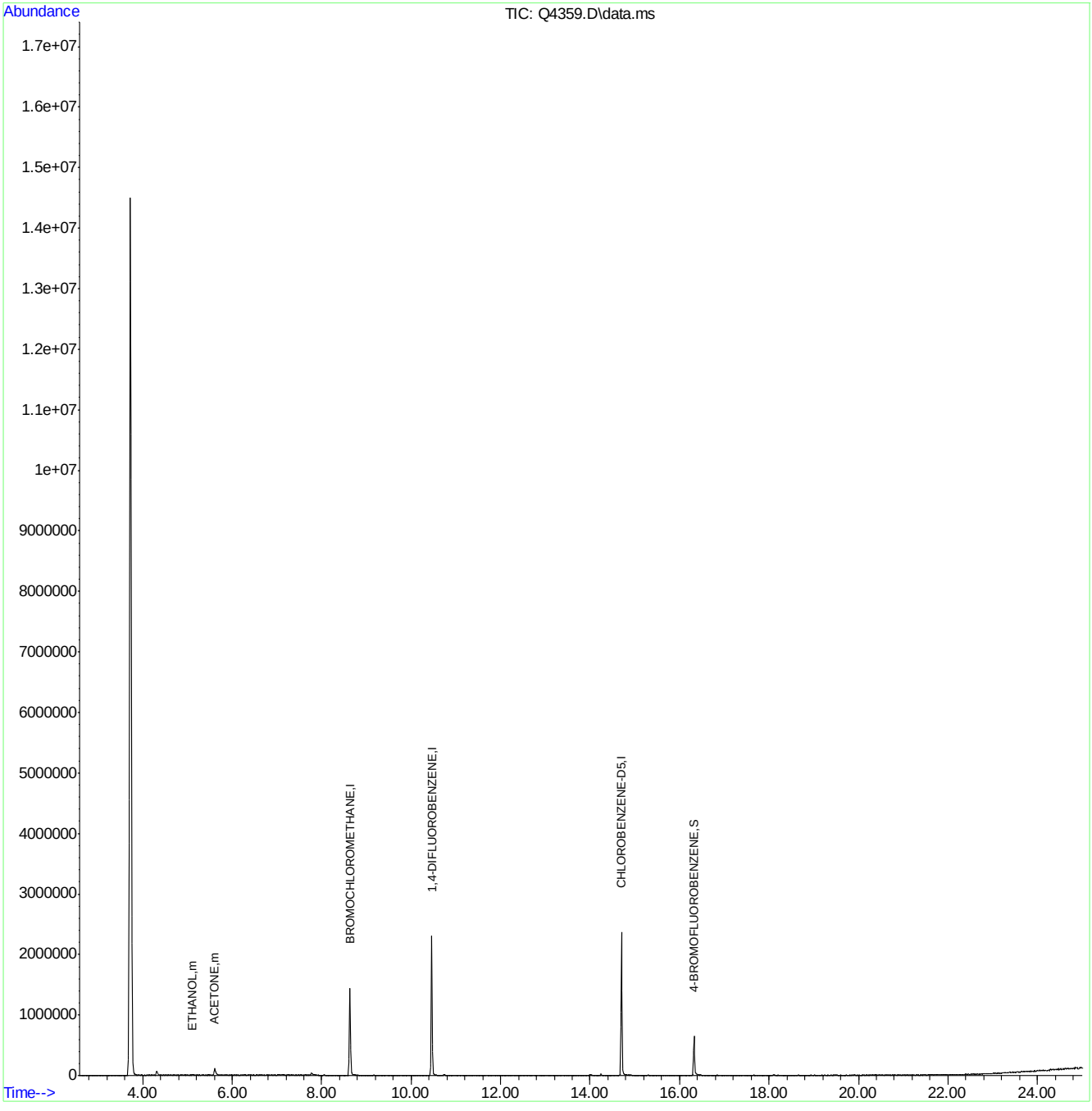
Target Compounds						Qvalue
12) ACETONE	5.607	43	161448	1.67	PPBV	90
16) ETHANOL	5.105	45	8722	0.52	PPBV	69

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

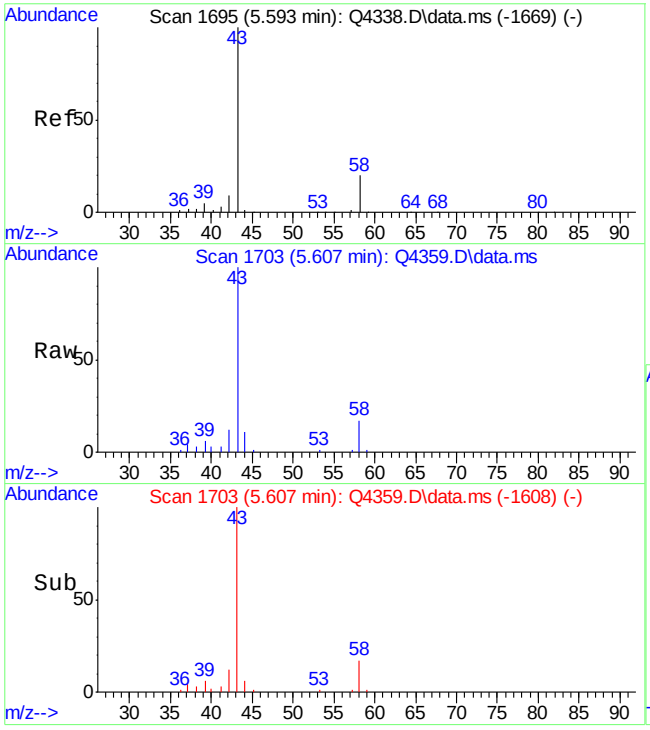
Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\
Data File : Q4359.D
Acq On : 21 Aug 2007 11:10 am
Operator : danat
Sample : scc (M075)
Misc : MS14080, MSQ230,,,,,1
ALS Vial : 6 Sample Multiplier: 1

Quant Time: Aug 21 16:33:27 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



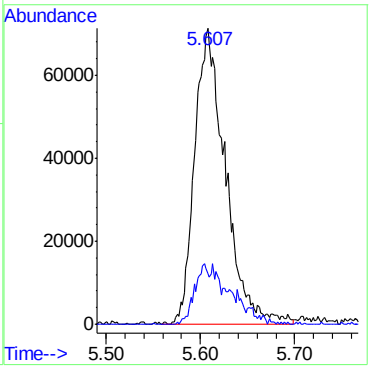
Q082007T.m Tue Aug 21 16:33:33 2007 RPT1 Page: 2

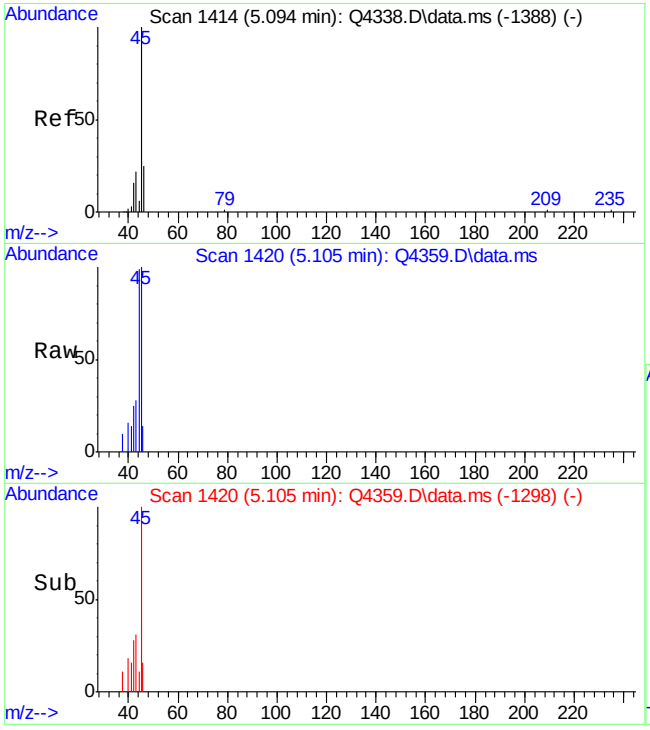


#12
ACETONE
Concen: 1.67 PPBV
RT: 5.607 min Scan# 1703
Delta R.T. 0.014 min
Lab File: Q4359.D
Acq: 21 Aug 2007 11:10 am

Tgt Ion: 43 Resp: 161448

Ion	Ratio	Lower	Upper
43	100		
58	23.4	0.0	38.7

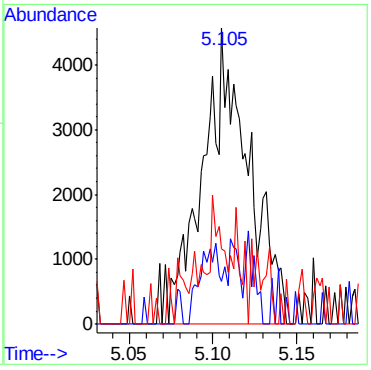




#16
ETHANOL
Concen: 0.52 PPBV
RT: 5.105 min Scan# 1420
Delta R.T. 0.011 min
Lab File: Q4359.D
Acq: 21 Aug 2007 11:10 am

Tgt Ion: 45 Resp: 8722

Ion	Ratio	Lower	Upper
45	100		
46	14.4	11.5	51.5
42	26.5	0.0	33.8

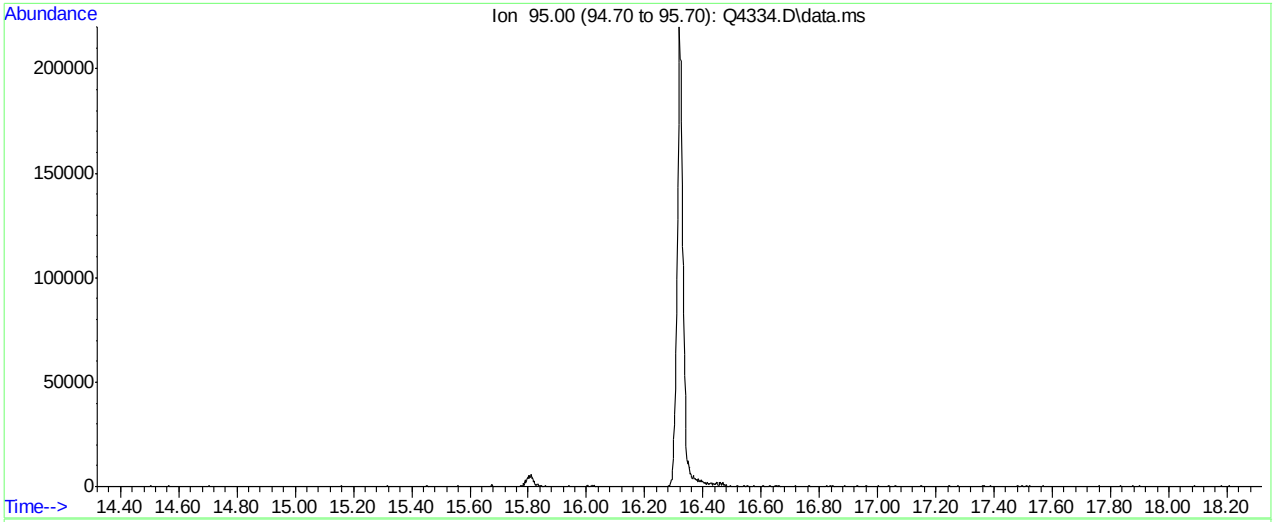


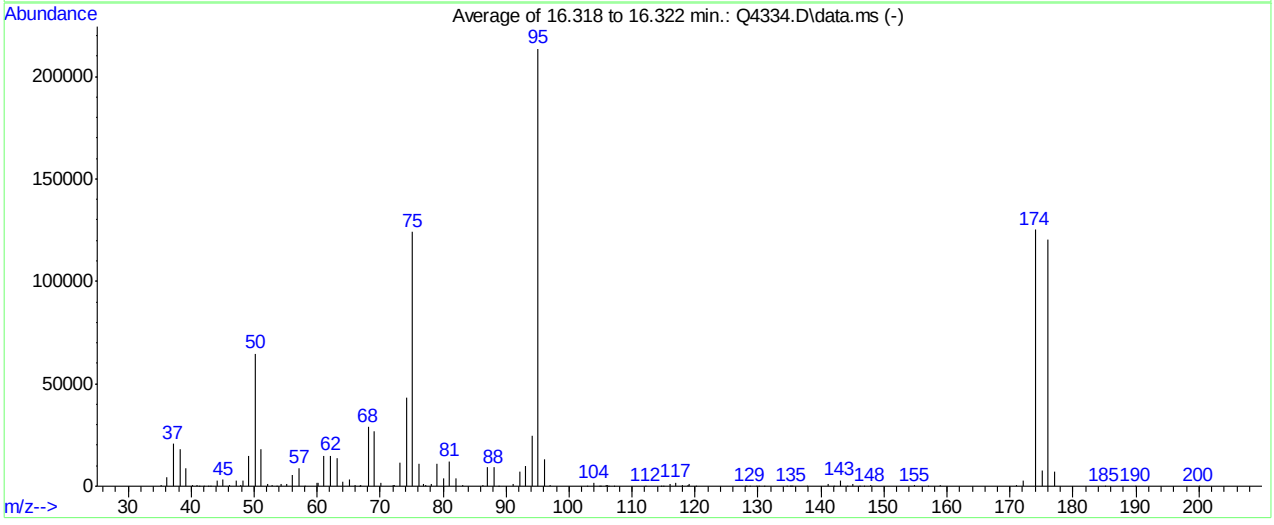
BFB

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

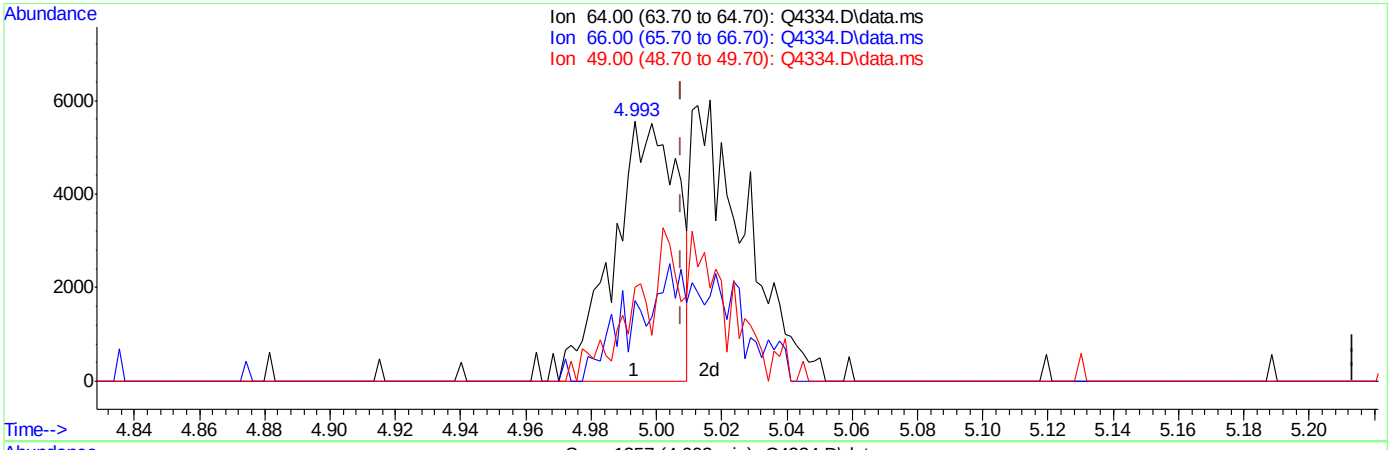
Average of 16.318 to 16.322 min.: Q4334.D\data.ms
ic230-0.5 (M065)
Modified:subtracted

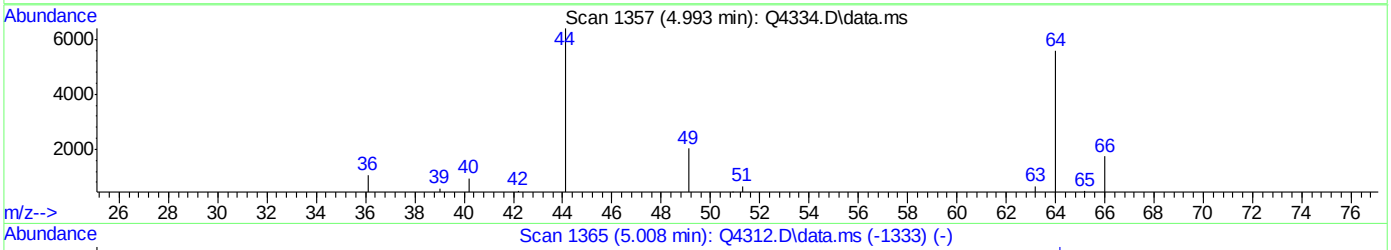
m/z	abund.	m/z	abund.	m/z	abund.	m/z	abund.
131.00	141	146.10	276	177.05	7193		
134.60	135	146.90	187	185.00	150		
135.00	151	147.80	462	189.90	133		
135.30	230	154.90	470	200.00	149		
135.50	165	157.00	164				
137.70	142	158.85	363				
141.05	1383	171.00	334				
142.00	134	172.05	2822				
143.00	2941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

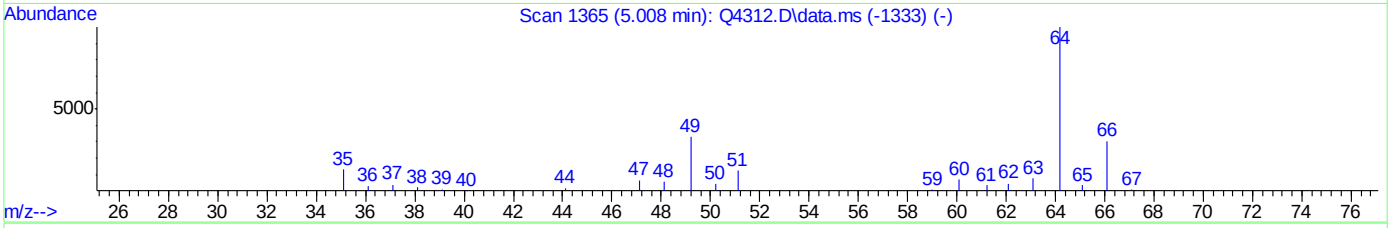
Quantitation Report (Qedit)

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

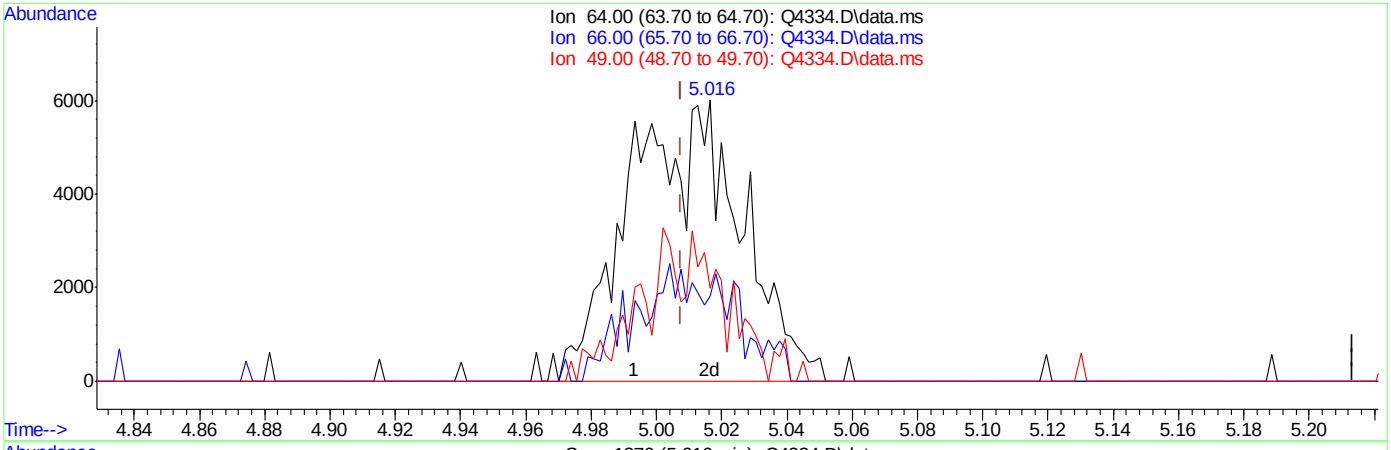
Ion	Exp%	Act%
64.00	100	100
66.00	31.30	67.64#
49.00	38.80	75.60#
0.00	0.00	0.00

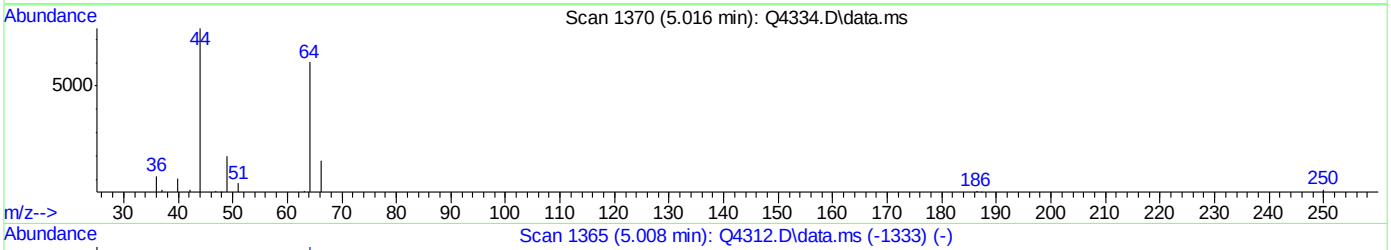
ACCUTEST Laboratories M67318

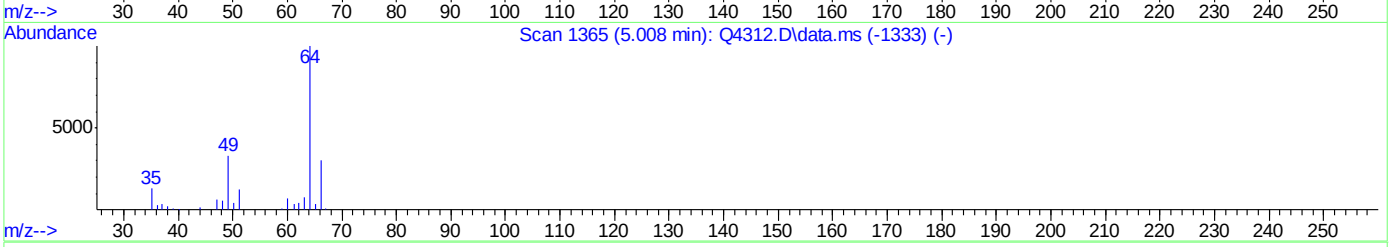
Quantitation Report (Qedit)

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

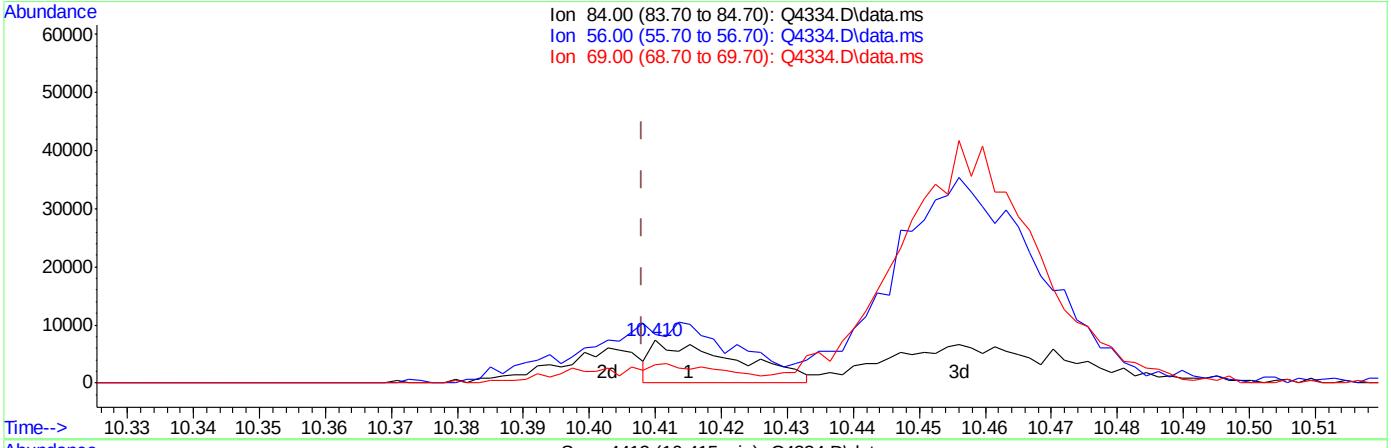
response 14301

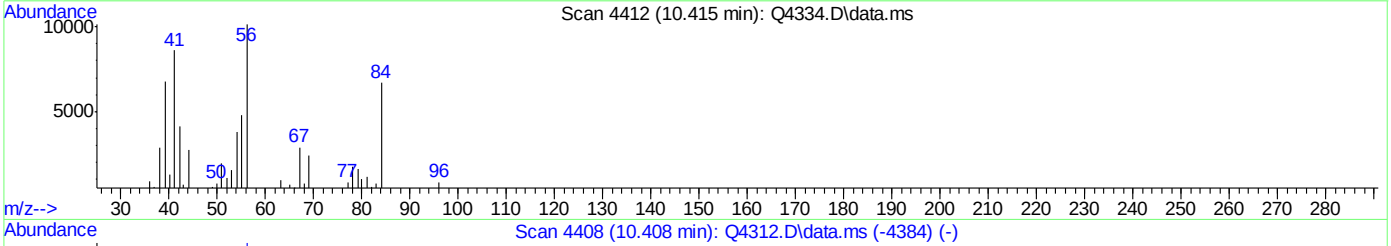
Ion	Exp%	Act%
64.00	100	100
66.00	31.30	35.65
49.00	38.80	39.84
0.00	0.00	0.00

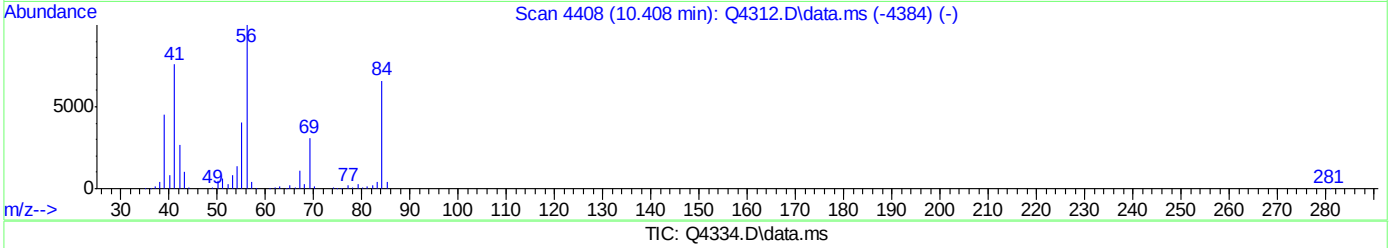
Quantitation Report (Qedit)

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

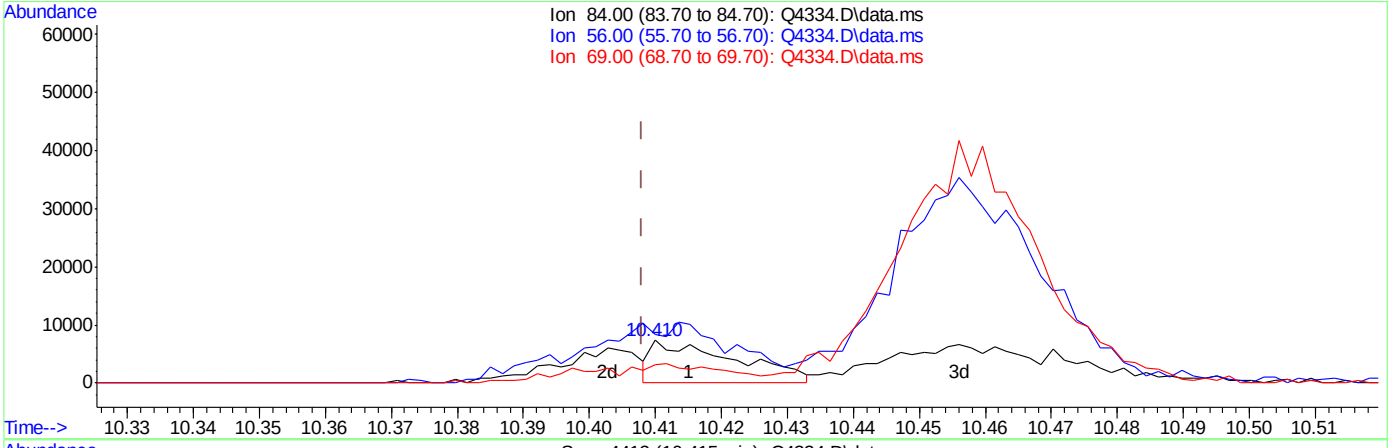
Ion	Exp%	Act%
84.00	100	100
56.00	155.60	257.99#
69.00	44.40	47.09
0.00	0.00	0.00

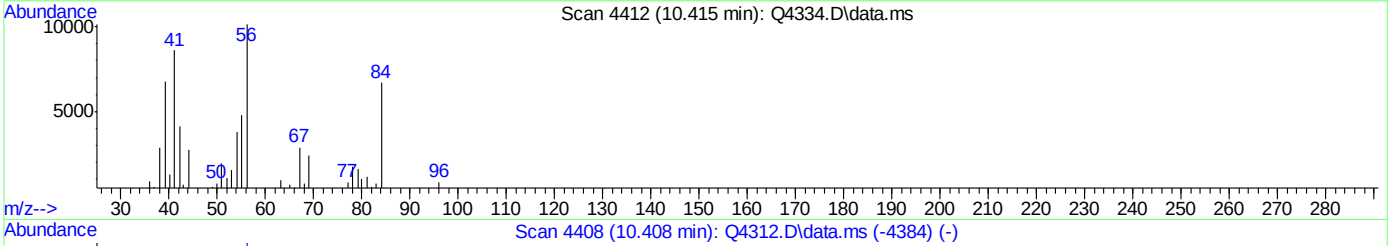
ACCUTEST Laboratories M67318

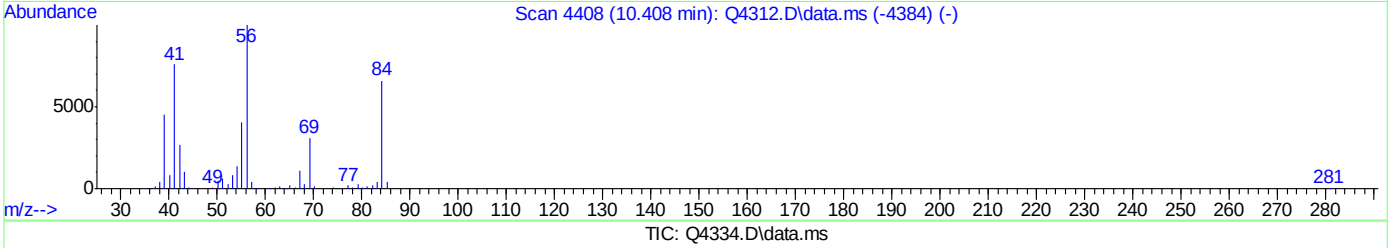
Quantitation Report (Qedit)

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

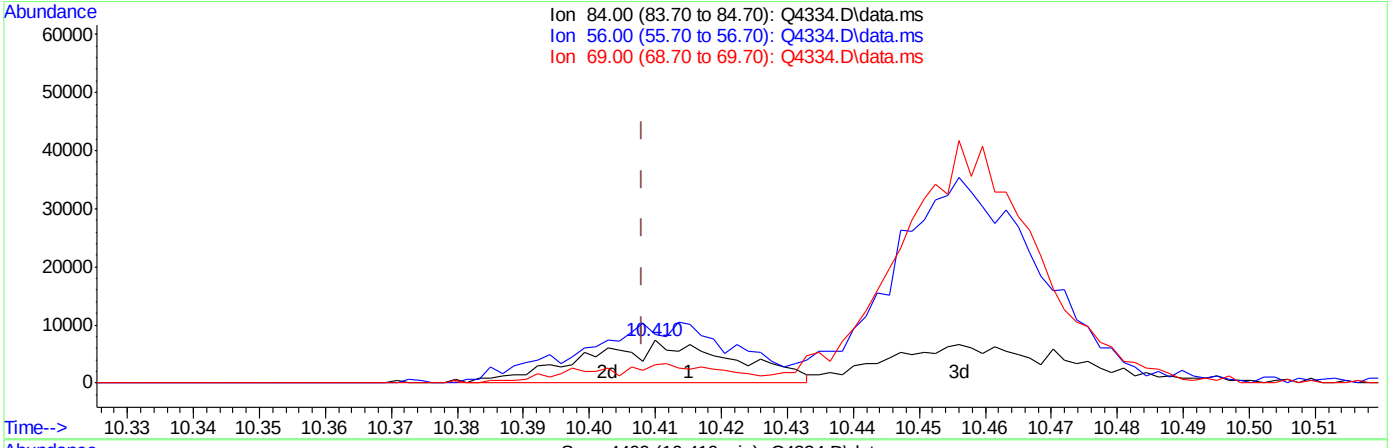
response 6451

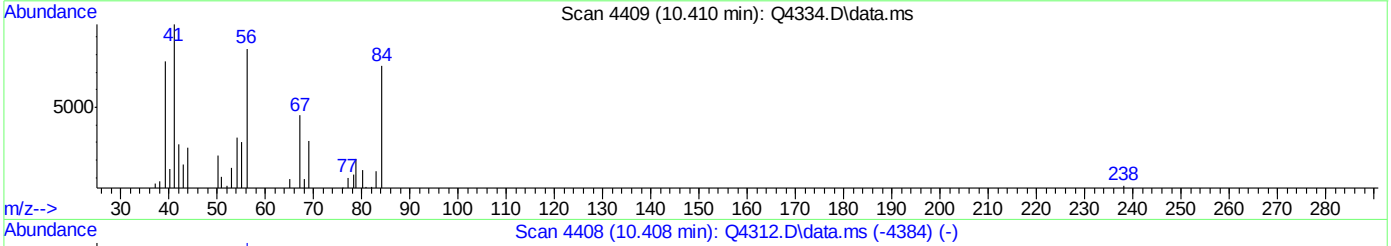
Ion	Exp%	Act%
84.00	100	100
56.00	155.60	257.99#
69.00	44.40	47.09
0.00	0.00	0.00

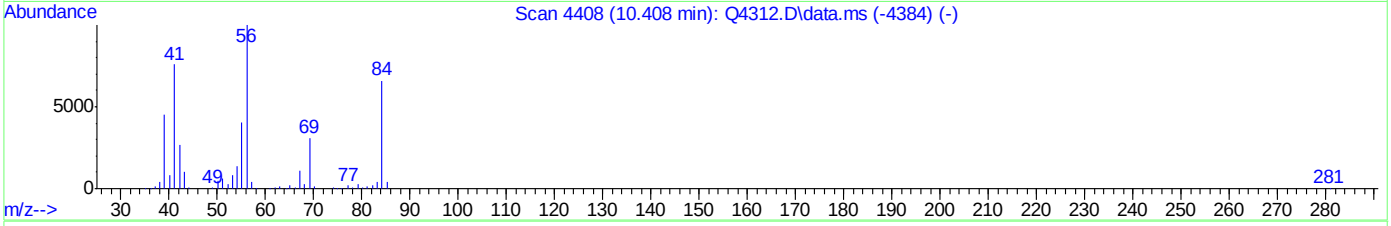
Quantitation Report (Qedit)

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

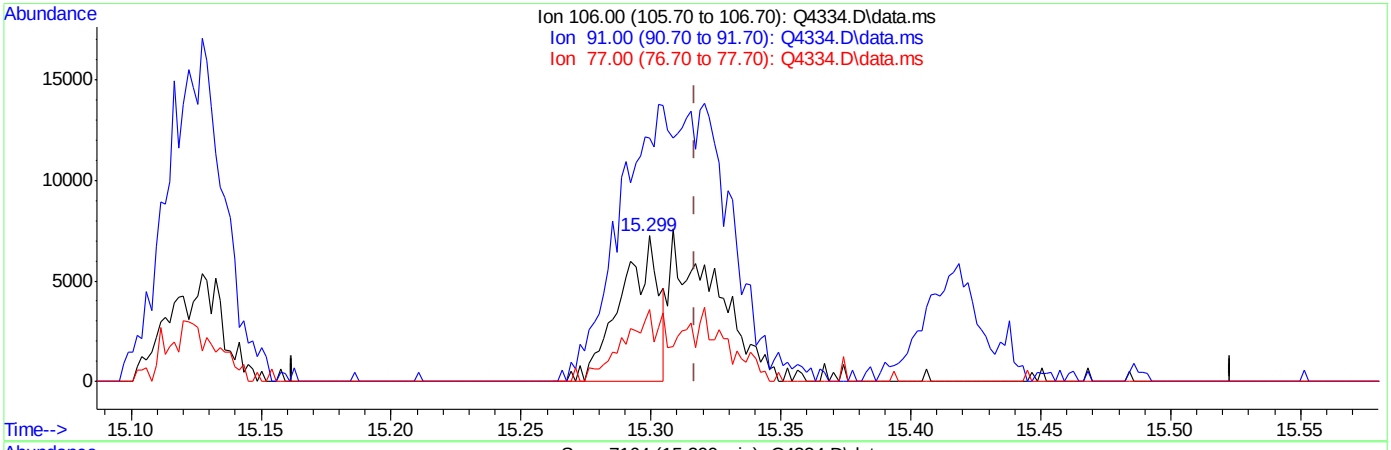
Ion	Exp%	Act%
84.00	100	100
56.00	155.60	143.67
69.00	44.40	26.23
0.00	0.00	0.00

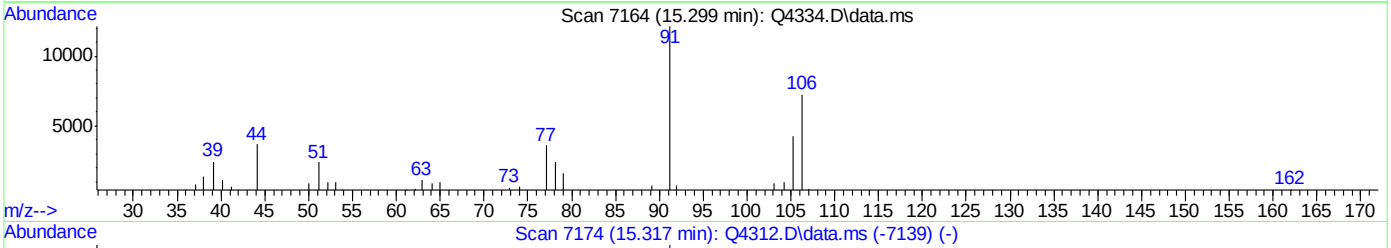
ACCUTEST Laboratories M67318

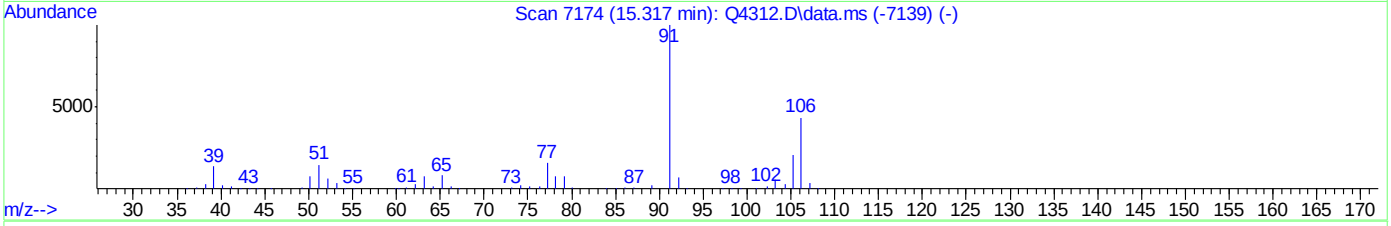
Quantitation Report (Qedit)

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

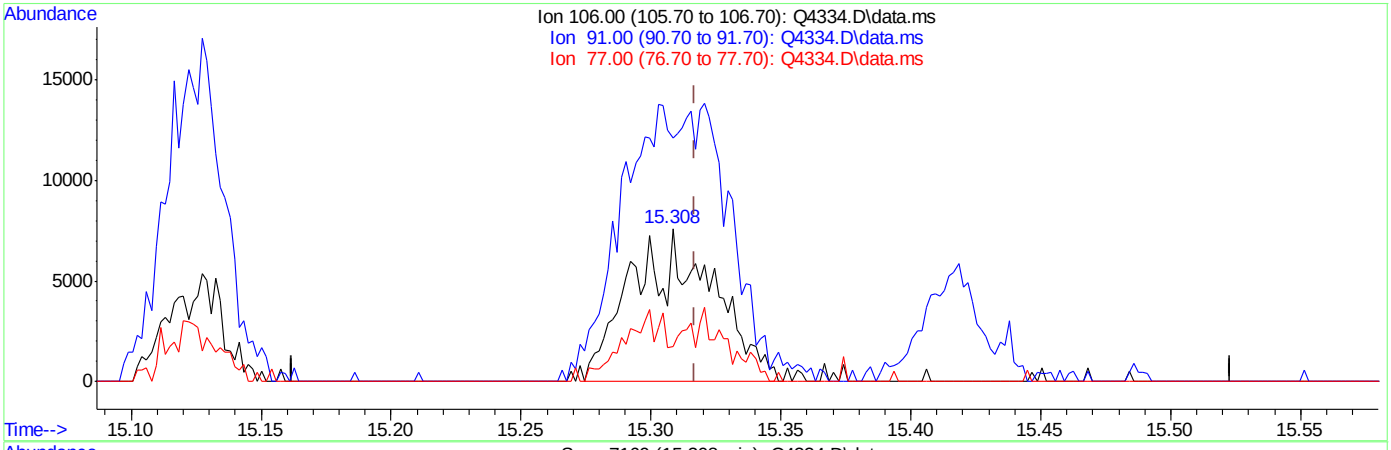
response 7309

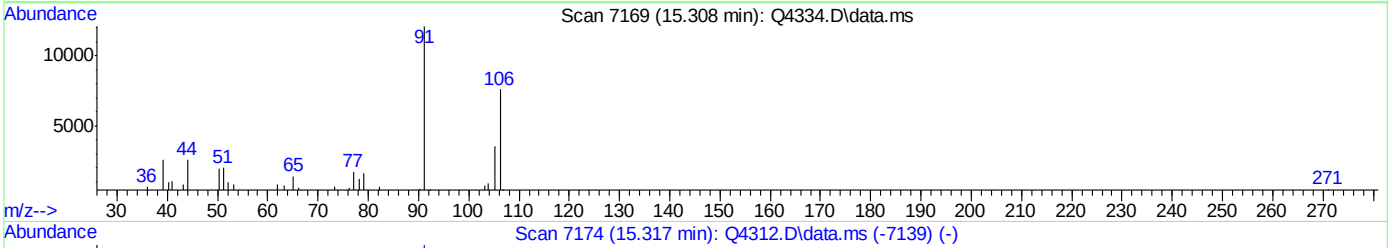
Ion	Exp%	Act%
106.00	100	100
91.00	231.70	167.17#
77.00	36.50	49.50#
0.00	0.00	0.00

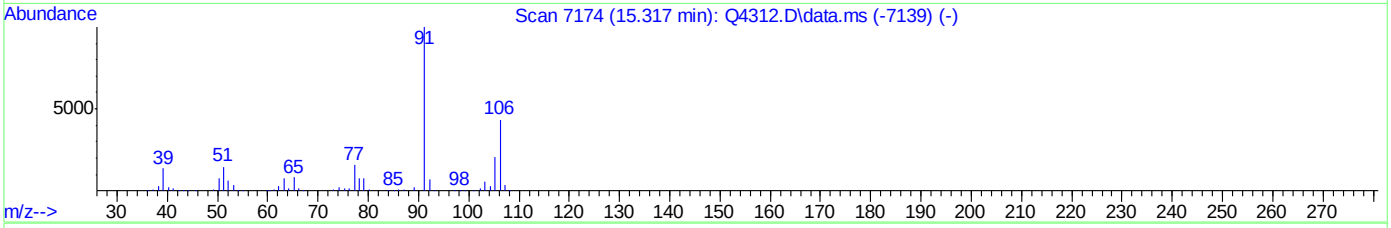
Quantitation Report (Qedit)

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

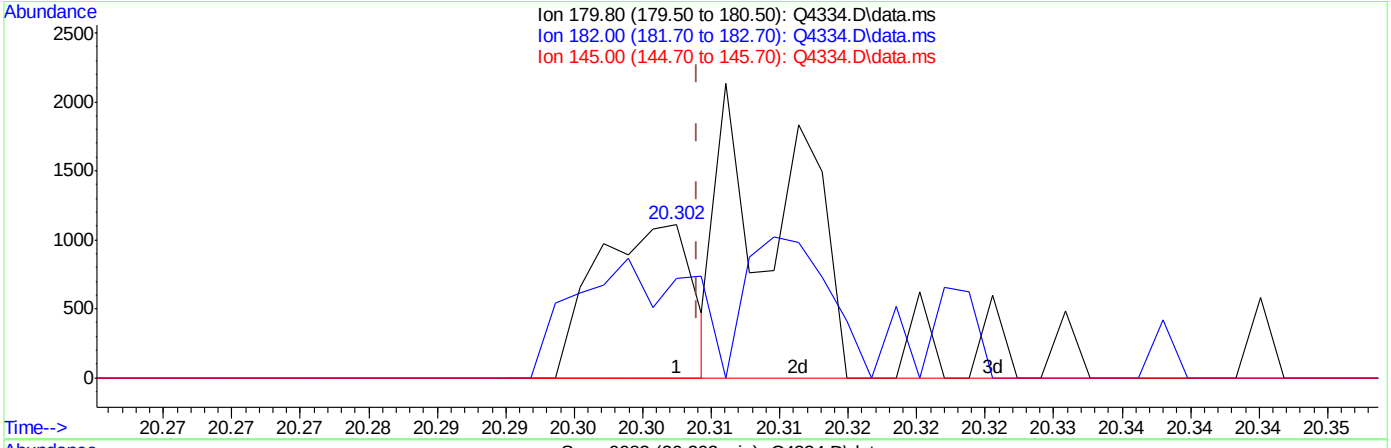
Ion	Exp%	Act%
106.00	100	100
91.00	231.70	158.85#
77.00	36.50	22.74#
0.00	0.00	0.00

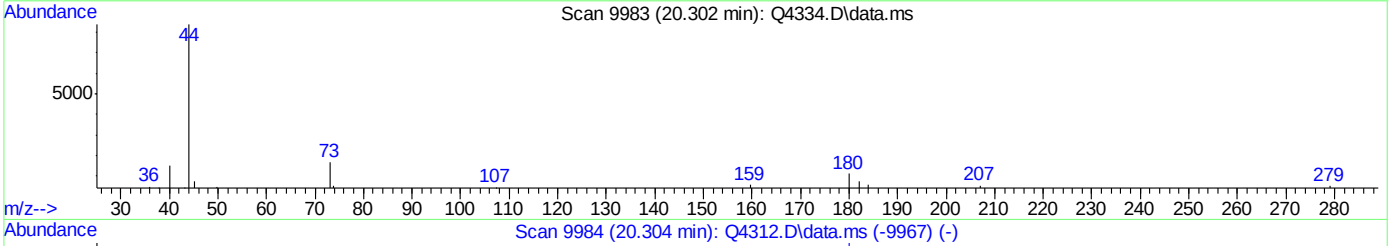
ACCUTEST Laboratories M67318

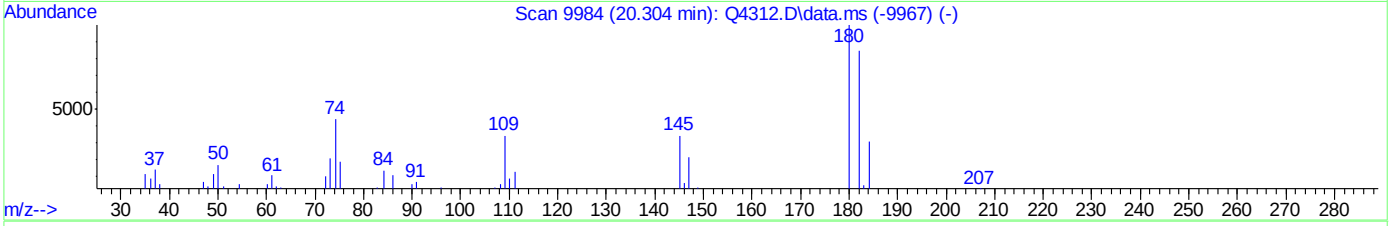
Quantitation Report (Qedit)

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

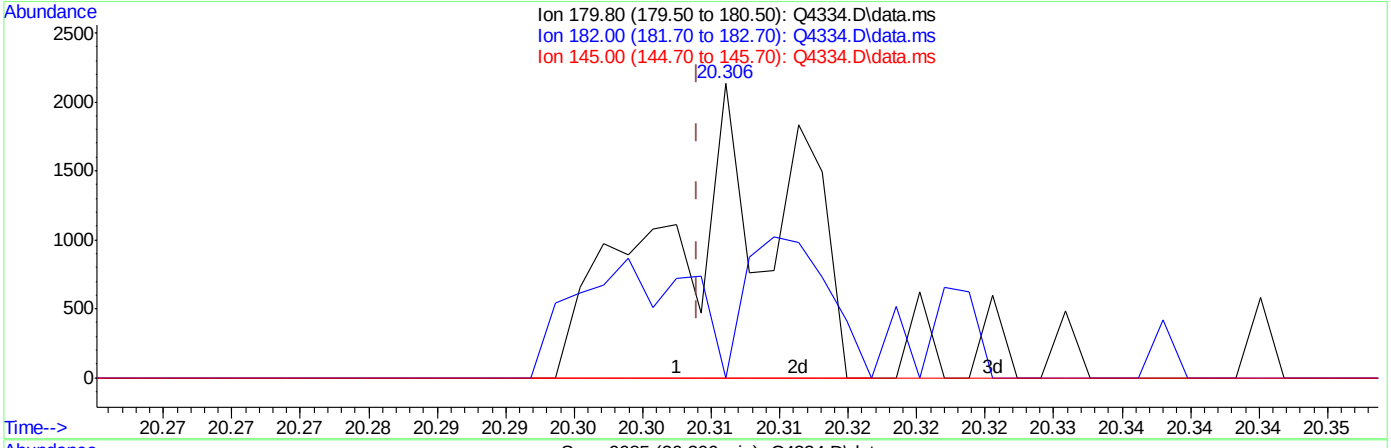
Ion	Exp%	Act%
179.80	100	100
182.00	96.80	0.00#
145.00	31.50	0.00#
0.00	0.00	0.00

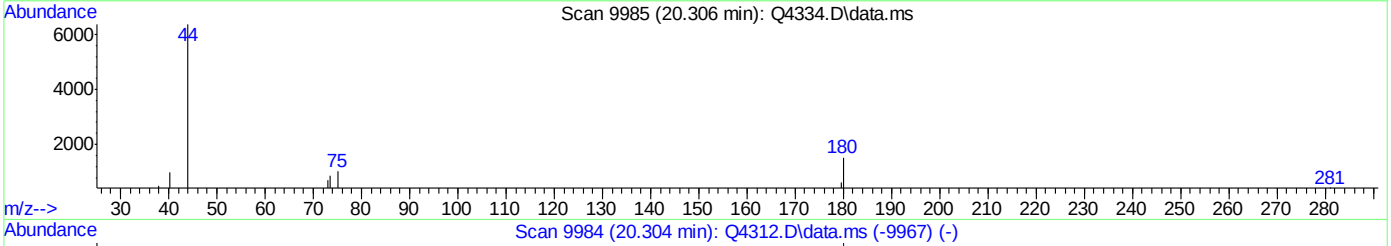
ACCUTEST Laboratories M67318

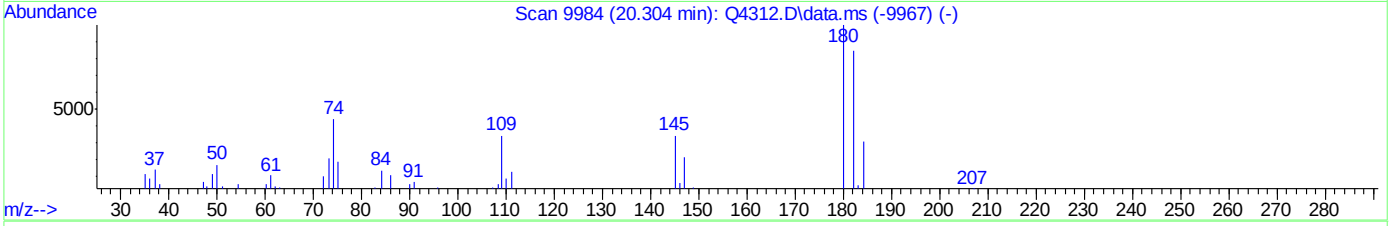
Quantitation Report (Qedit)

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

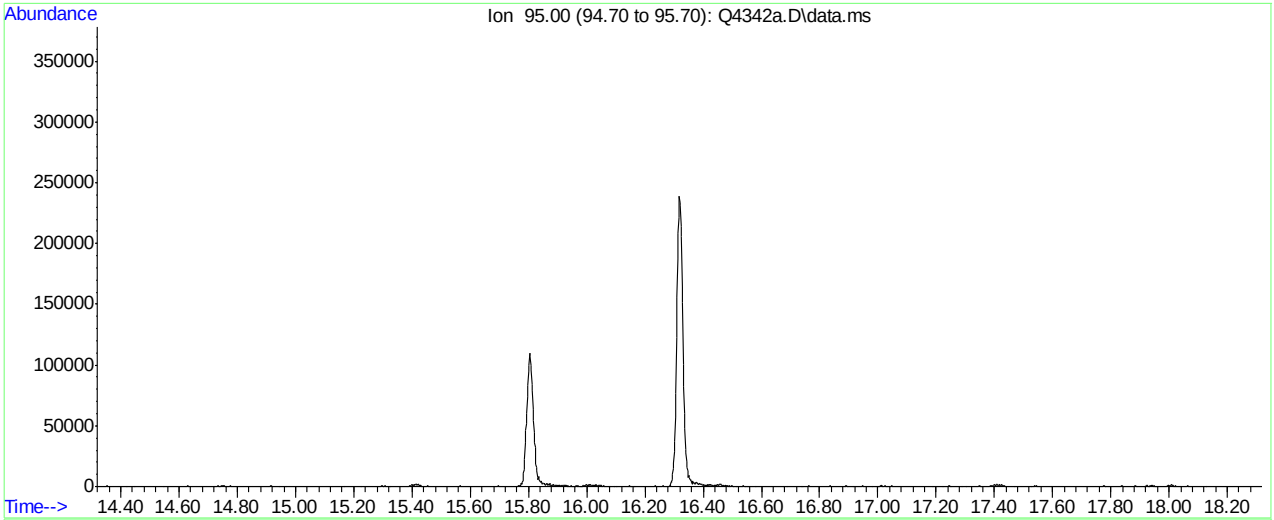
Ion	Exp%	Act%
179.80	100	100
182.00	96.80	0.00#
145.00	31.50	0.00#
0.00	0.00	0.00

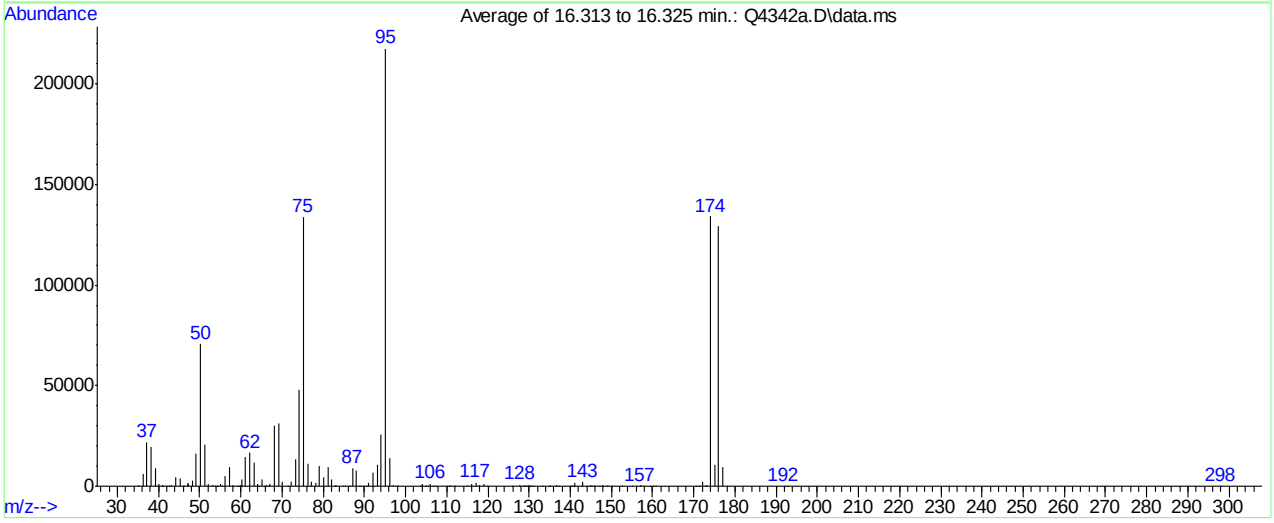
BFB

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)

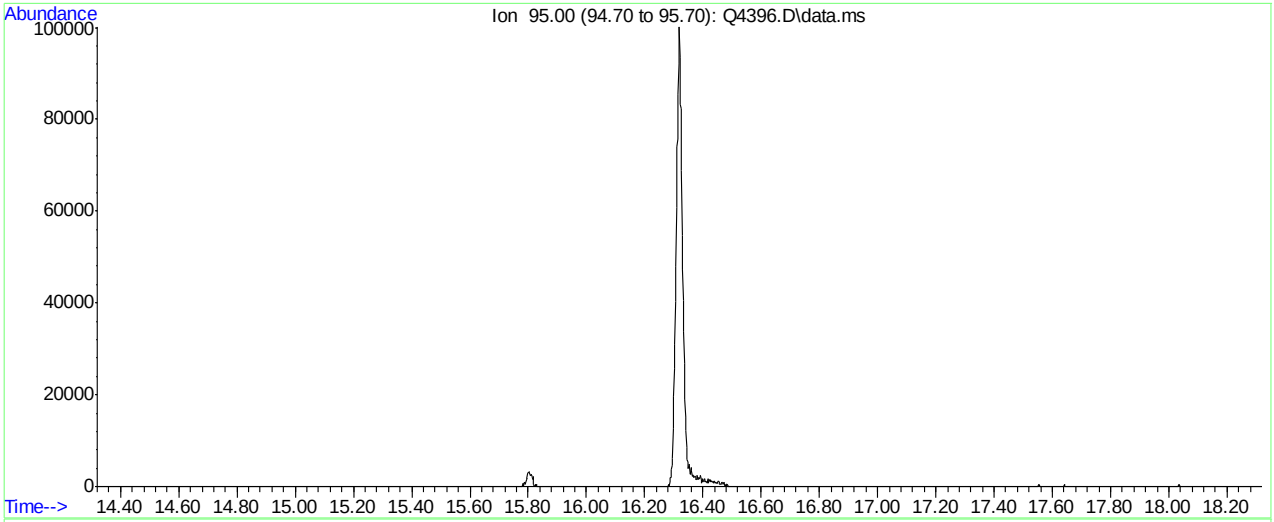
m/z	abund.	m/z	abund.	m/z	abund.	m/z	abund.
147.95	375	160.20	58	178.00	59		
148.90	63	160.80	50	191.90	108		
149.10	92	170.60	50	192.80	50		
150.00	67	171.30	51	298.00	60		
152.50	74	172.05	2071				
154.85	278	172.60	67				
156.15	112	173.10	462				
156.80	54	174.10	134158				
157.10	369	175.05	10839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

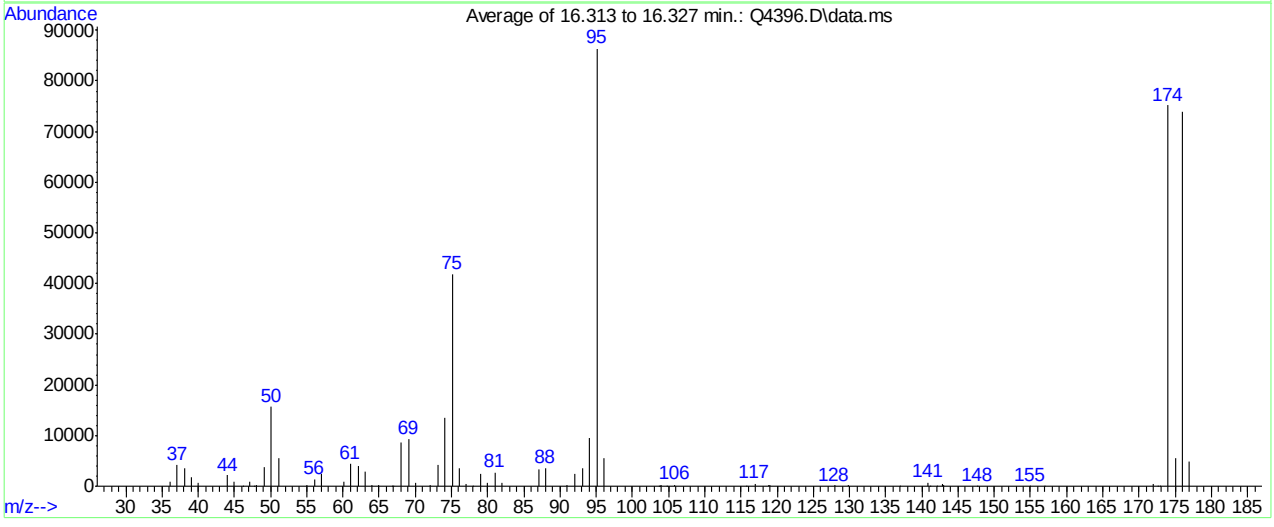
BFB

Data File : C:\msdchem\1\DATA\Q4396.D
Acq On : 27 Aug 2007 9:34 am
Sample : ic232-0.5 (M050)
Misc : MS14080, MSQ232,,,,,1
MS Integration Params: LSCINT.P

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

Method : C:\msdchem\1\METHODS\Q082707T.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 16.327 min.

Target Mass	Rel. to Mass	Lower Limit%	Upper Limit%	Rel. Abn%	Raw Abn	Result Pass/Fail
50	95	8	40	18.2	15696	PASS
75	95	30	66	48.4	41835	PASS
95	95	100	100	100.0	86401	PASS
96	95	5	9	6.5	5592	PASS
173	174	0.00	2	0.1	110	PASS
174	95	50	120	87.0	75170	PASS
175	174	4	9	7.5	5613	PASS
176	174	93	101	98.5	74010	PASS
177	176	5	9	6.6	4898	PASS

Q4396.D Q082707T.m Tue Aug 28 11:43:27 2007 RPT1

Average of 16.313 to 16.327 min.: Q4396.D\data.ms
ic232-0.5 (M050)

m/z	abund.	m/z	abund.	m/z	abund.	m/z	abund.
36.05	817	49.10	3817	65.00	305	76.95	467
37.10	4198	50.10	15696	66.80	48	77.90	63
38.10	3544	51.10	5434	67.00	64	78.95	2354
39.10	1741	54.95	206	68.10	8740	79.95	682
40.00	659	56.05	1446	69.10	9351	81.00	2717
44.05	2178	57.05	2341	70.05	742	81.90	627
45.00	919	60.05	834	72.00	180	87.05	3425
46.20	50	61.05	4347	73.15	4300	88.00	3581
47.05	947	62.10	4100	74.10	13514	90.95	275
47.80	44	63.05	2811	75.10	41835	92.10	2400
48.10	211	64.00	256	76.10	3611	93.05	3521

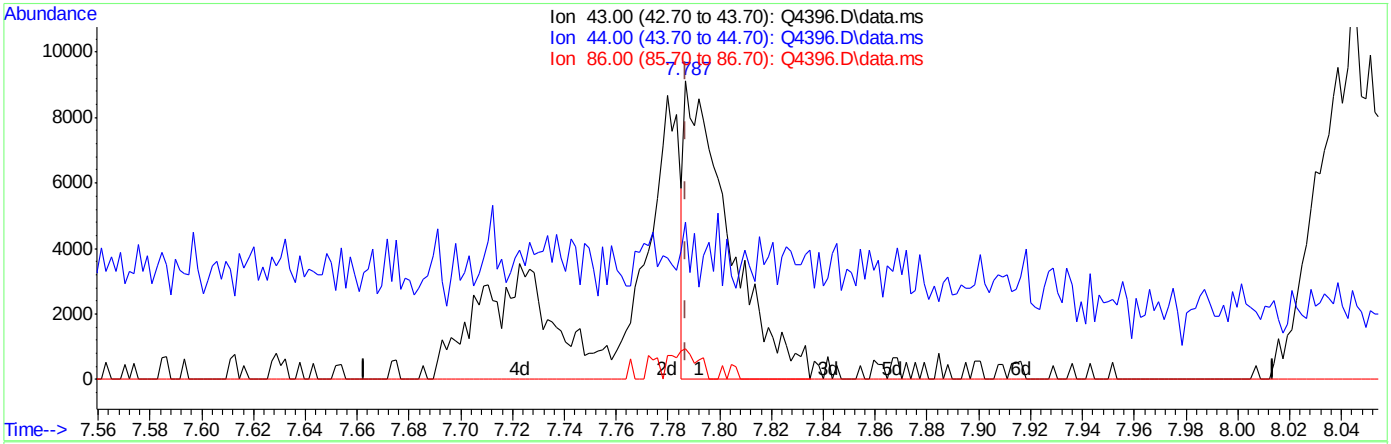
Average of 16.313 to 16.327 min.: Q4396.D\data.ms
ic232-0.5 (M050)

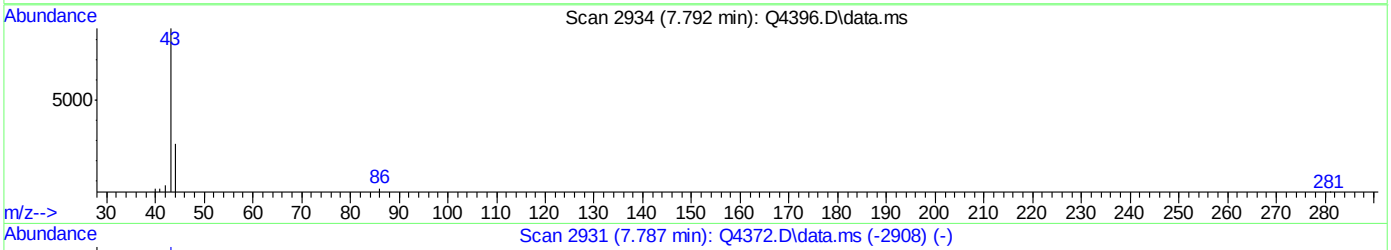
m/z	abund.	m/z	abund.	m/z	abund.	m/z	abund.
94.05	9581	119.05	124	155.00	51		
95.10	86401	127.95	164	157.00	48		
96.05	5592	129.90	131	171.95	540		
103.70	101	136.90	46	172.60	75		
103.80	64	140.90	670	172.85	110		
103.95	125	141.10	75	174.00	75170		
104.80	44	142.10	47	175.00	5613		
105.90	225	142.80	310	176.00	74010		
115.80	52	142.90	424	177.00	4898		
116.90	454	143.05	191				
118.85	210	147.70	68				

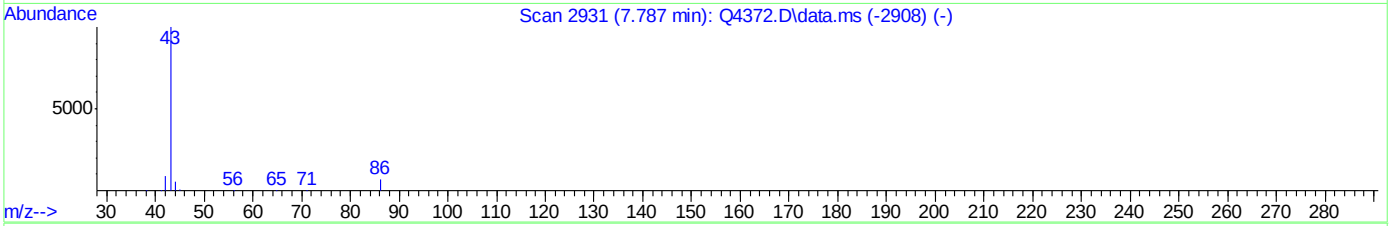
Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\
Data File : Q4396.D
Acq On : 27 Aug 2007 9:34 am
Operator : danat
Sample : ic232-0.5 (M050)
Misc : MS14080, MSQ232,,,,,1
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Aug 27 10:02:24 2007
Quant Method : C:\msdchem\1\METHODS\Q082707T.m
Quant Title : TO15 by GCMS w/DB-1 60 m X .25 mm ID 1.0 um
QLast Update : Mon Aug 27 10:02:13 2007
Response via : Initial Calibration







TIC: Q4396.D\data.ms

(26) VINYL ACETATE (m)

7.792min (+0.005) 0.25PPBV

response 10923

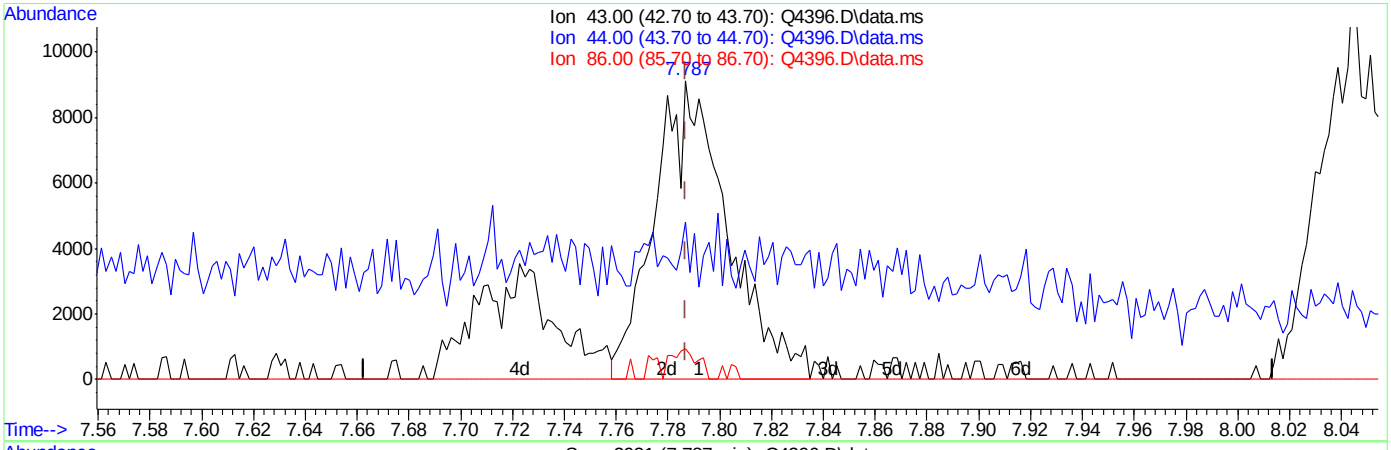
Ion	Exp%	Act%
43.00	100	100
44.00	6.40	25.62
86.00	7.50	8.23
0.00	0.00	0.00

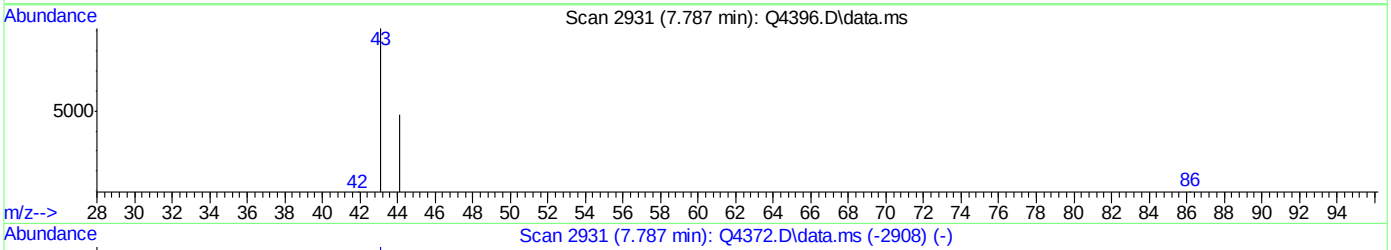
ACCUTEST Laboratories M67318

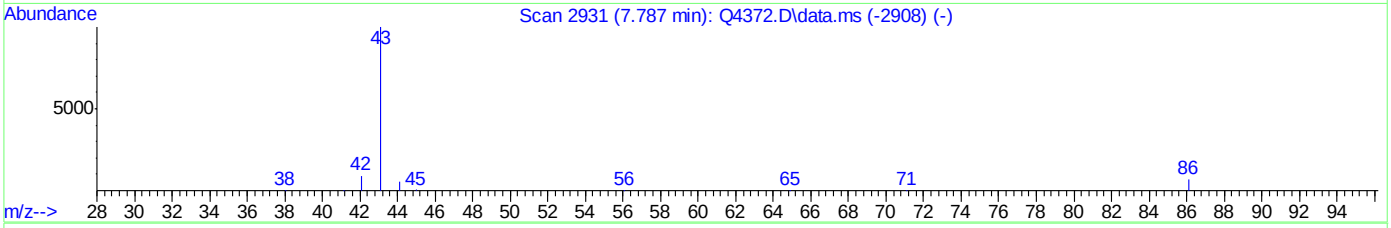
Quantitation Report (Qedit)

```
Data Path : C:\msdchem\1\DATA\
Data File : Q4396.D
Acq On    : 27 Aug 2007   9:34 am
Operator  : danat
Sample    : ic232-0.5 (M050)
Misc      : MS14080, MSQ232,,,,,1
ALS Vial  : 1   Sample Multiplier: 1

Quant Time: Aug 27 10:02:24 2007
Quant Method : C:\msdchem\1\METHODS\Q082707T.m
Quant Title  : TO15  by GCMS w/DB-1 60 m X .25 mm ID 1.0 um
QLast Update : Mon Aug 27 10:02:13 2007
Response via : Initial Calibration
```





TIC: Q4396.D\data.ms

(26) VINYL ACETATE (m)

7.787min (-0.000) 0.42PPBV m

response 17975

Ion	Exp%	Act%
43.00	100	100
44.00	6.40	15.57
86.00	7.50	5.00
0.00	0.00	0.00

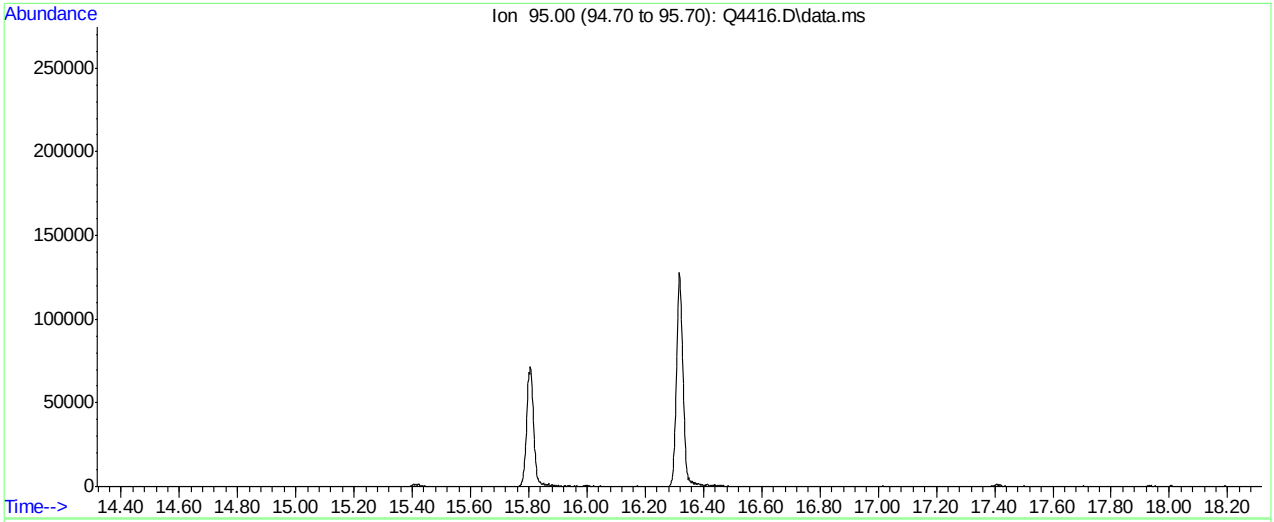
ACCUTEST Laboratories M67318

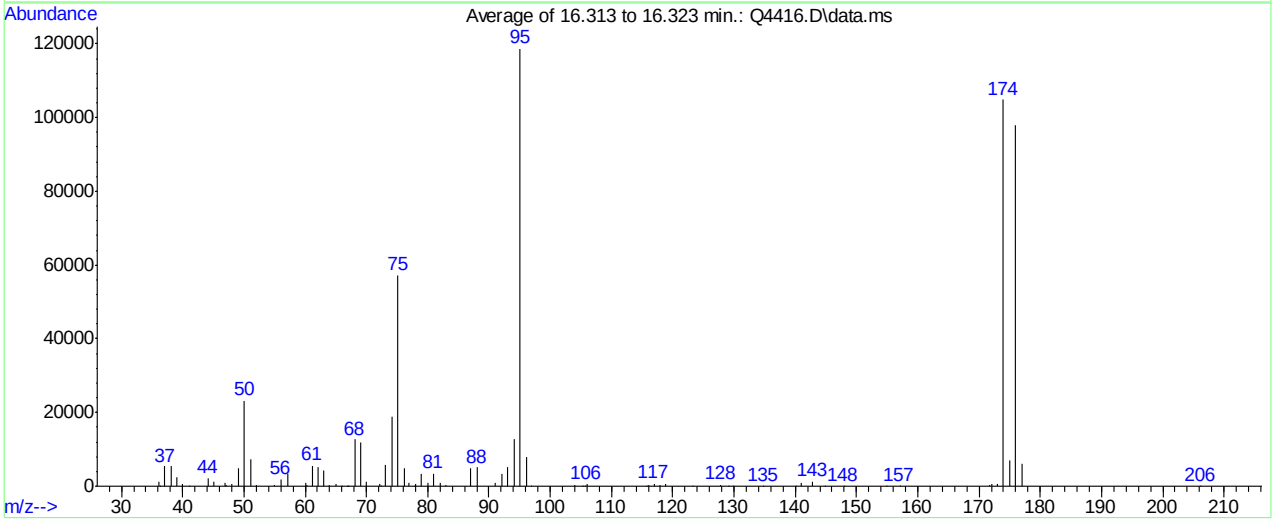
BFB

Data File : C:\msdchem\1\DATA\Q4416.D
Acq On : 28 Aug 2007 4:05 pm
Sample : cc232-10 (M055)
Misc : MS14080, MSQ233,,,,,1
MS Integration Params: LSCINT.P

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

Method : C:\msdchem\1\METHODS\Q082707T.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 16.323 min.

Target Mass	Rel. to Mass	Lower Limit%	Upper Limit%	Rel. Abn%	Raw Abn	Result Pass/Fail
50	95	8	40	19.6	23214	PASS
75	95	30	66	48.2	57232	PASS
95	95	100	100	100.0	118737	PASS
96	95	5	9	6.6	7888	PASS
173	174	0.00	2	0.7	697	PASS
174	95	50	120	88.3	104818	PASS
175	174	4	9	6.7	6995	PASS
176	174	93	101	93.4	97852	PASS
177	176	5	9	6.4	6227	PASS

Q4416.D Q082707T.m Wed Aug 29 14:37:52 2007 RPT1

Average of 16.313 to 16.323 min.: Q4416.D\data.ms
cc232-10 (M055)

m/z	abund.	m/z	abund.	m/z	abund.	m/z	abund.
36.05	1358	48.00	573	62.10	5273	72.30	88
36.30	129	49.10	4760	63.10	4405	73.05	5650
37.10	5460	50.10	23214	64.00	448	74.10	18970
38.15	5401	51.10	7269	65.05	768	75.10	57232
39.05	2426	51.95	275	65.95	116	76.10	4793
39.95	725	55.05	452	66.80	60	77.00	867
41.00	65	56.05	1840	67.10	62	77.80	119
44.10	2183	57.10	3246	68.10	12679	77.95	565
45.05	1271	60.00	865	69.10	11960	79.00	3355
46.95	1047	60.20	239	70.05	1175	80.00	1039
47.15	445	61.10	5502	72.10	748	80.95	3488

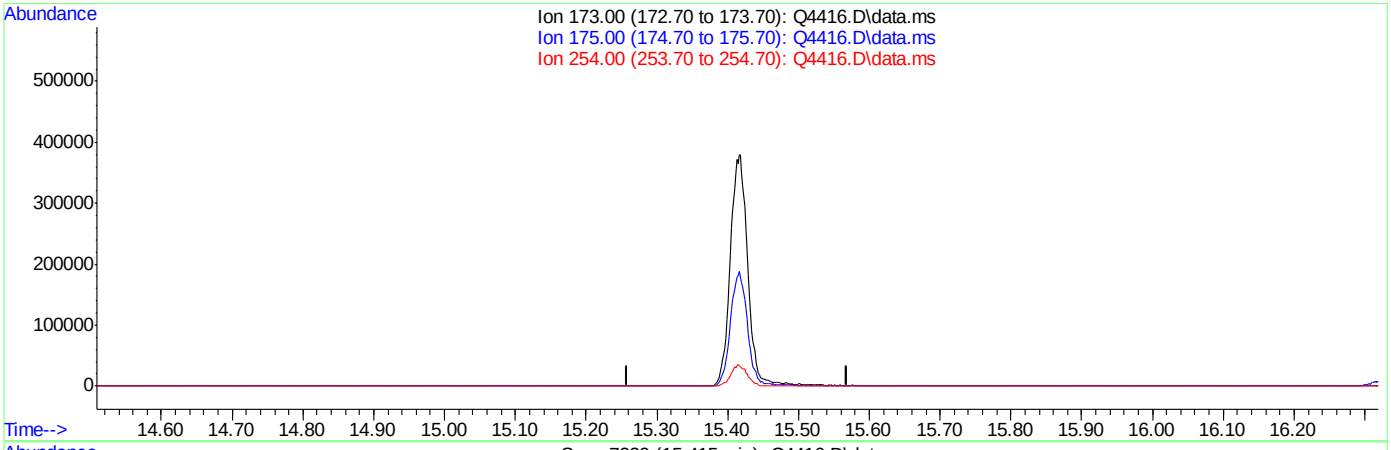
Average of 16.313 to 16.323 min.: Q4416.D\data.ms
cc232-10 (M055)

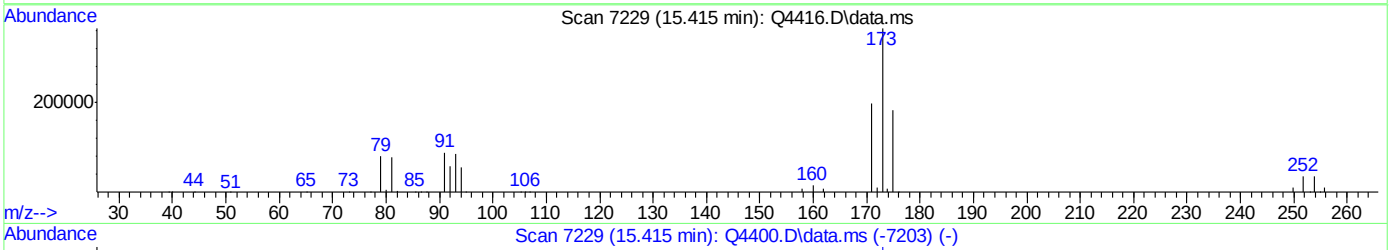
m/z	abund.	m/z	abund.	m/z	abund.	m/z	abund.
82.05	985	103.95	441	129.00	69	172.05	737
82.90	185	105.30	69	129.90	160	173.05	697
87.05	4935	105.70	94	134.80	71	174.00	104818
88.05	5035	105.95	544	140.00	62	175.00	6995
91.05	930	115.70	121	141.00	1062	176.00	97852
92.05	3443	116.00	164	142.85	1237	177.00	6227
93.05	5188	116.95	674	144.90	60	206.20	74
94.10	12800	117.90	179	147.90	58		
95.10	118737	118.90	633	154.80	58		
96.10	7888	123.20	77	157.00	73		
96.90	70	127.85	397	171.80	332		

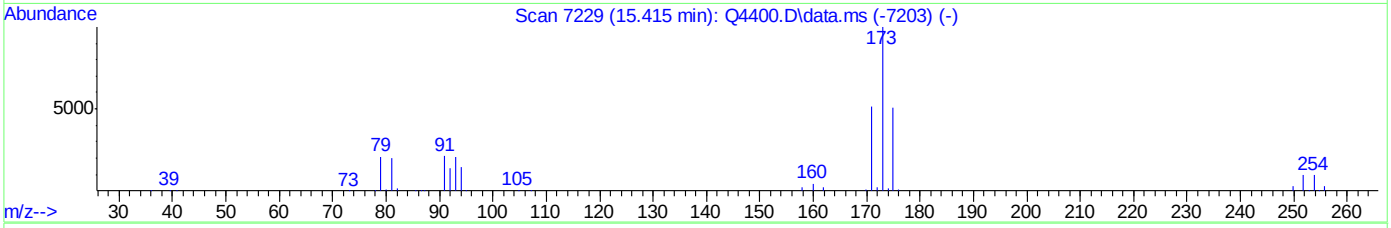
Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\
Data File : Q4416.D
Acq On : 28 Aug 2007 4:05 pm
Operator : danat
Sample : cc232-10 (M055)
Misc : MS14080, MSQ233,,,,,1
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Aug 28 16:38:07 2007
Quant Method : C:\msdchem\1\METHODS\Q082707T.m
Quant Title : TO15 by GCMS w/DB-1 60 m X .25 mm ID 1.0 um
QLast Update : Mon Aug 27 15:05:38 2007
Response via : Initial Calibration







TIC: Q4416.D\data.ms

(60) BROMOFORM (m)

15.414min (-15.414) 0.00PPBV

response 0

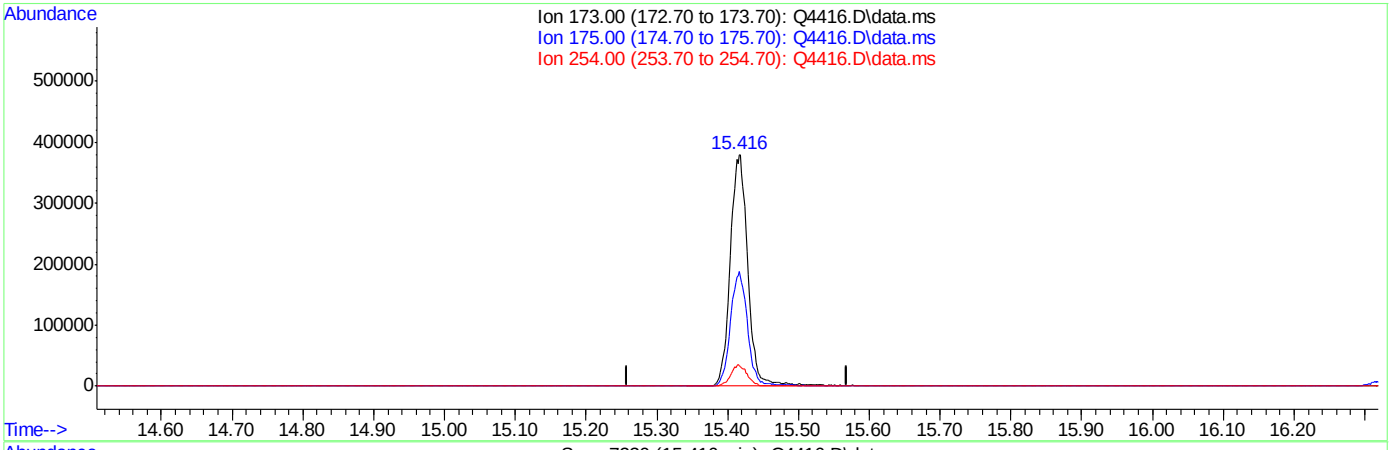
Ion	Exp%	Act%
173.00	100	0.00
175.00	48.70	0.00#
254.00	9.10	0.00
0.00	0.00	0.00

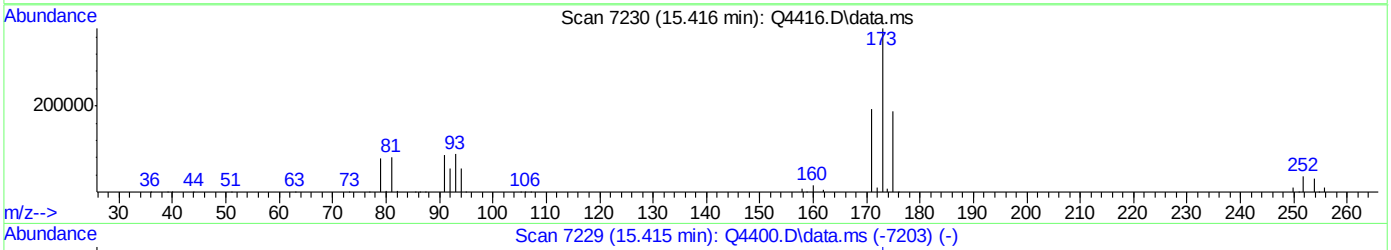
ACCUTEST Laboratories M67318

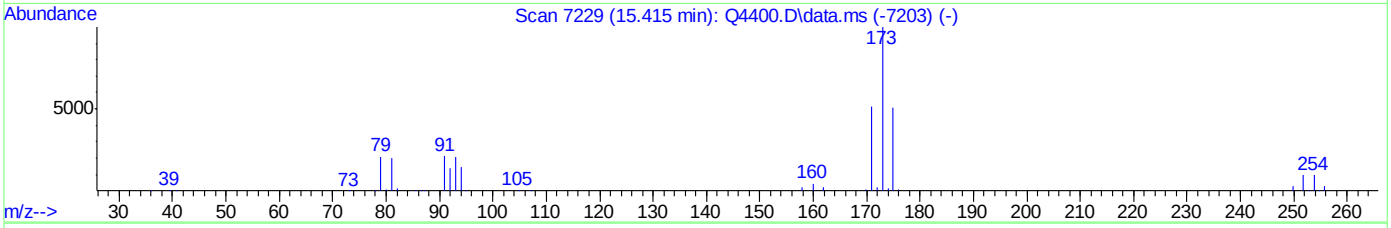
Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\
Data File : Q4416.D
Acq On : 28 Aug 2007 4:05 pm
Operator : danat
Sample : cc232-10 (M055)
Misc : MS14080, MSQ233,,,,,1
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Aug 28 16:38:07 2007
Quant Method : C:\msdchem\1\METHODS\Q082707T.m
Quant Title : TO15 by GCMS w/DB-1 60 m X .25 mm ID 1.0 um
QLast Update : Mon Aug 27 15:05:38 2007
Response via : Initial Calibration







TIC: Q4416.D\data.ms

(60) BROMOFORM (m)

15.416min (+0.002) 10.24PPBV m

response 652830

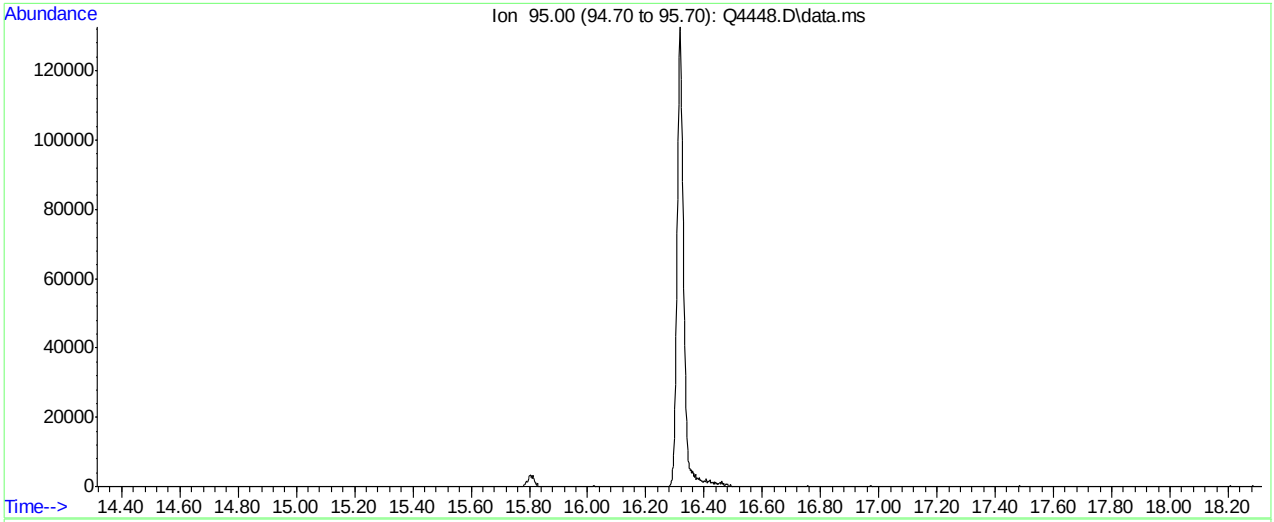
Ion	Exp%	Act%
173.00	100	100
175.00	48.70	0.00#
254.00	9.10	0.00
0.00	0.00	0.00

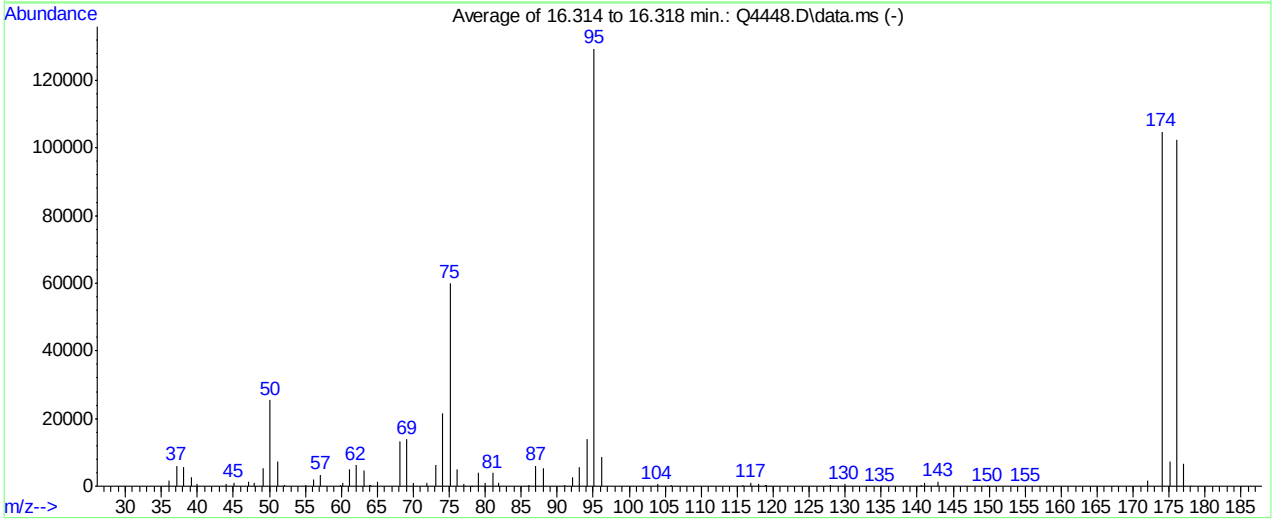
BFB

Data File : C:\msdchem\1\DATA\Q4448.D
Acq On : 30 Aug 2007 5:41 pm
Sample : ic234-0.5 (M174)
Misc : MS14204, MSQ234,,,,,1
MS Integration Params: LSCINT.P

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

Method : C:\msdchem\1\METHODS\Q083007T.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	19.7	25445	PASS
75	95	30	66	46.4	60029	PASS
95	95	100	100	100.0	129392	PASS
96	95	5	9	6.7	8726	PASS
173	174	0.00	2	0.0	0	PASS
174	95	50	120	81.1	104885	PASS
175	174	4	9	6.9	7281	PASS
176	174	93	101	97.7	102488	PASS
177	176	5	9	6.6	6773	PASS

Q4448.D Q083007T.m Fri Aug 31 10:20:38 2007 RPT1

Average of 16.314 to 16.318 min.: Q4448.D\data.ms
ic234-0.5 (M174)
Modified:subtracted

m/z	abund.	m/z	abund.	m/z	abund.	m/z	abund.
36.10	1535	51.10	7297	64.10	474	78.10	140
37.10	6017	52.10	364	65.10	1409	79.00	3874
38.10	5717	55.00	349	68.10	13294	79.95	1119
39.10	2586	56.10	2007	69.10	14045	81.00	3944
40.00	825	57.10	3399	70.00	982	81.90	1009
44.00	763	59.90	296	71.95	850	86.10	184
45.05	1064	60.15	900	73.10	6246	87.05	5980
47.15	1486	61.10	5090	74.10	21576	88.05	5237
47.95	896	62.05	6177	75.10	60029	91.00	348
49.10	5359	63.15	4742	76.10	4942	92.05	2768
50.10	25445	63.90	244	77.05	816	93.10	5487

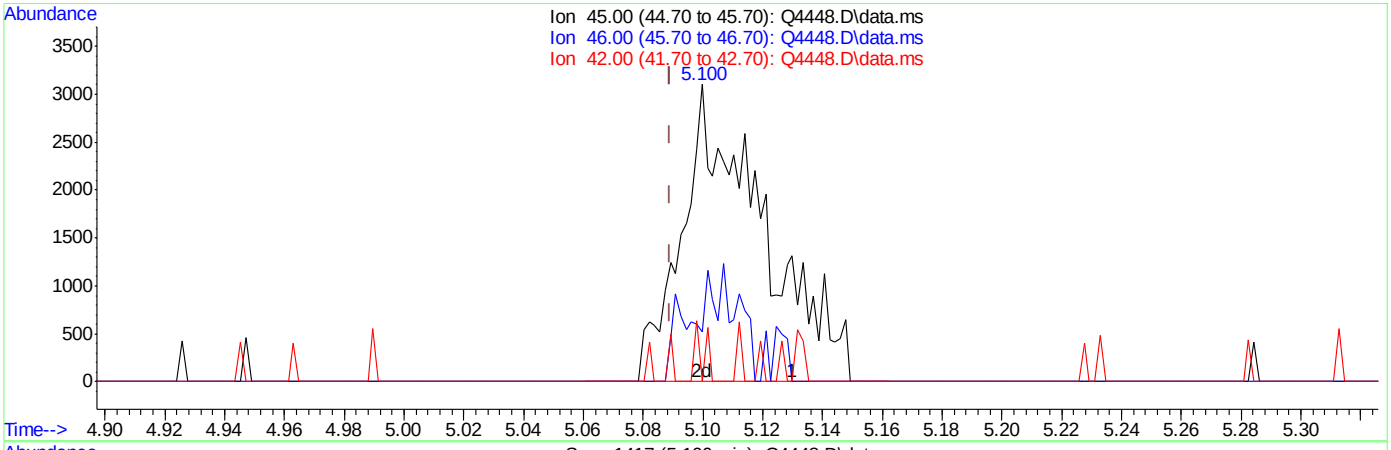
Average of 16.314 to 16.318 min.: Q4448.D\data.ms
ic234-0.5 (M174)
Modified:subtracted

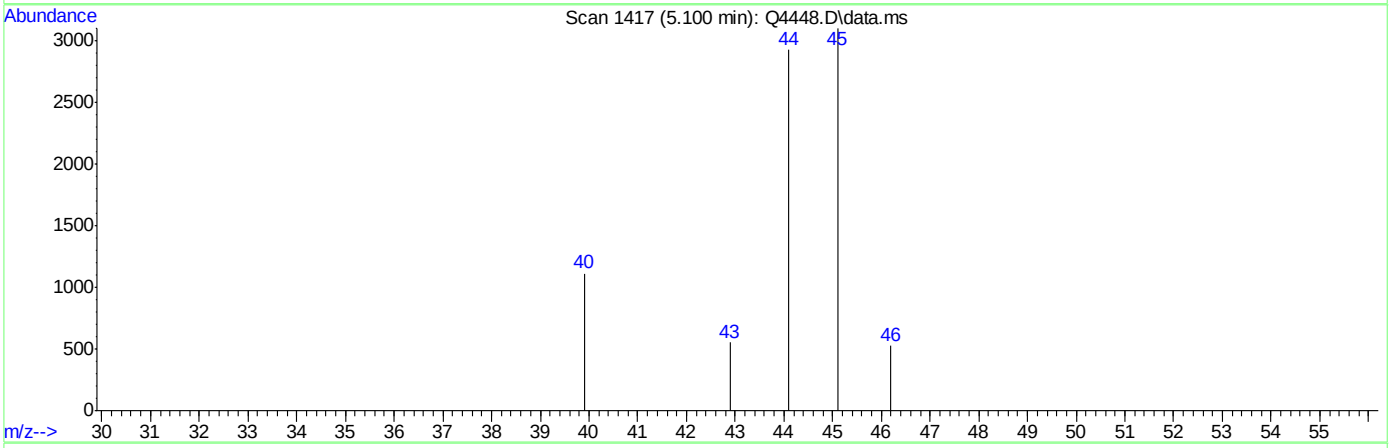
m/z	abund.	m/z	abund.	m/z	abund.	m/z	abund.
94.10	13959	129.90	556	177.05	6773		
95.10	129392	134.90	173	177.90	139		
96.10	8726	140.60	269				
103.95	542	141.00	949				
105.80	200	142.90	1477				
115.85	428	149.80	133				
116.95	1067	155.10	174				
117.95	705	172.00	1752				
118.85	438	174.00	104885				
119.10	235	175.05	7281				
127.95	355	176.00	102488				

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\
Data File : Q4448.D
Acq On : 30 Aug 2007 5:41 pm
Operator : danat
Sample : ic234-0.5 (M174)
Misc : MS14204, MSQ234,,,,,1
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Aug 30 18:18:25 2007
Quant Method : C:\msdchem\1\METHODS\Q083007T.m
Quant Title : TO15 by GCMS w/DB-1 60 m X .25 mm ID 1.0 um
QLast Update : Thu Aug 30 18:17:22 2007
Response via : Initial Calibration





TIC: Q4448.D\data.ms

(16) ETHANOL (m)

5.100min (+0.010) 0.43PPBV m

response 5791

Ion	Exp%	Act%
45.00	100	100
46.00	33.60	2.81#
42.00	11.10	2.56
0.00	0.00	0.00

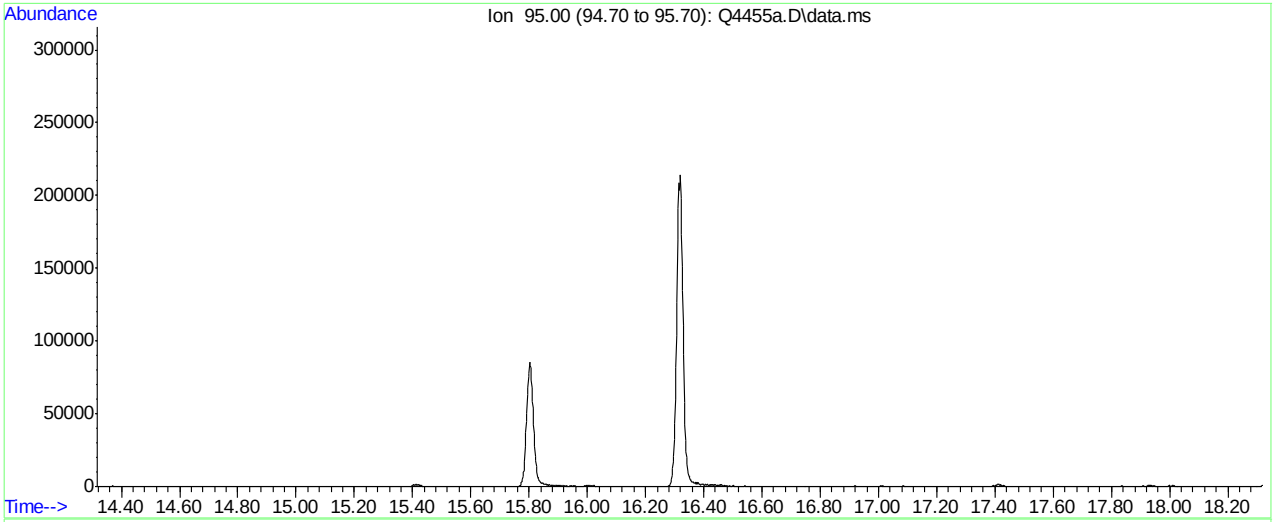
ACCUTEST Laboratories M67318

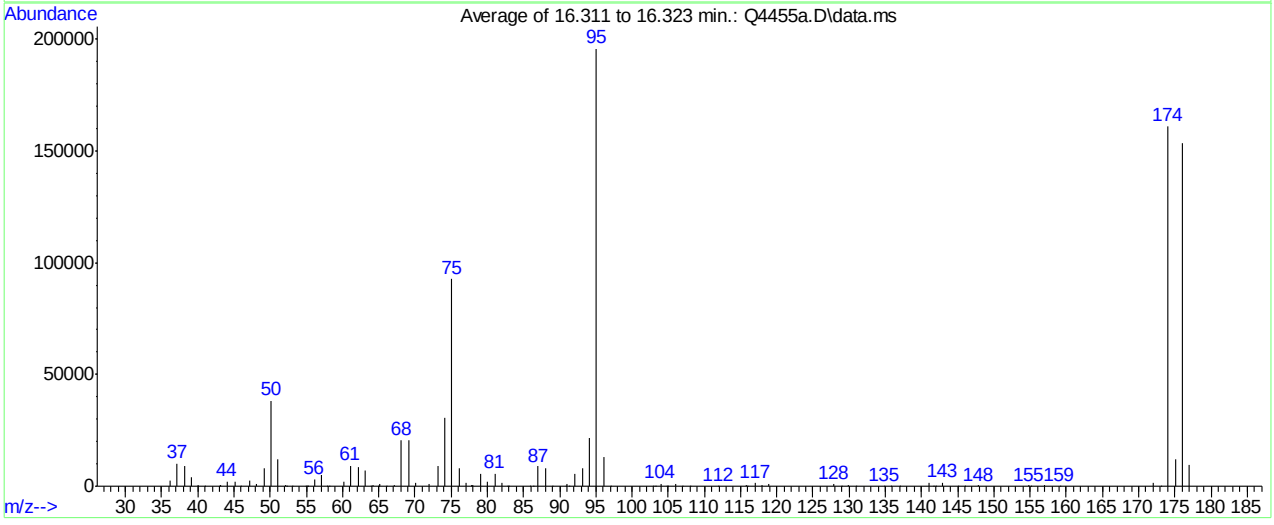
BFB

Data File : C:\msdchem\1\DATA\Q4455a.D
Acq On : 31 Aug 2007 9:16 am
Sample : cc234-10 (M217)
Misc : MS14204, MSQ234,,,,,1
MS Integration Params: LSCINT.P

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

Method : C:\msdchem\1\METHODS\Q083007T.m (RTE Integrator)
Title : TO15 by GCMS w/DB-1 60 m X .25 mm ID 1.0 um





Spectrum Information: Average of 16.311 to 16.323 min.

Target Mass	Rel. to Mass	Lower Limit%	Upper Limit%	Rel. Abn%	Raw Abn	Result Pass/Fail
50	95	8	40	19.6	38348	PASS
75	95	30	66	47.4	92728	PASS
95	95	100	100	100.0	195832	PASS
96	95	5	9	6.7	13153	PASS
173	174	0.00	2	0.1	221	PASS
174	95	50	120	82.3	161144	PASS
175	174	4	9	7.5	12023	PASS
176	174	93	101	95.4	153672	PASS
177	176	5	9	6.3	9713	PASS

Q4455a.D Q083007T.m Fri Aug 31 11:35:24 2007 RPT1

Average of 16.311 to 16.323 min.: Q4455a.D\data.ms
cc234-10 (M217)

m/z	abund.	m/z	abund.	m/z	abund.	m/z	abund.
36.10	2357	47.10	2390	56.10	3089	65.00	110
37.10	10129	48.05	1150	57.15	5222	65.15	1100
38.15	9277	49.15	8032	57.90	71	66.00	64
39.10	4241	50.15	38348	58.10	66	67.15	428
40.05	749	51.10	12064	60.10	2050	68.10	20701
40.95	185	52.05	440	61.10	9098	69.10	20496
43.00	144	52.30	83	62.15	8728	70.10	1709
43.15	425	53.00	60	63.15	6823	71.95	1051
44.05	2202	54.90	209	63.95	241	73.15	9259
45.15	1861	55.00	138	64.15	571	74.15	30555
45.90	53	55.15	246	64.90	181	75.10	92728

Average of 16.311 to 16.323 min.: Q4455a.D\data.ms
cc234-10 (M217)

m/z	abund.	m/z	abund.	m/z	abund.	m/z	abund.
76.15	7989	85.90	101	95.10	195832	111.95	104
77.00	1533	86.30	72	96.15	13153	115.80	385
77.80	77	87.05	8852	97.00	177	116.00	176
77.90	323	88.05	8065	103.00	68	117.05	1305
78.05	493	89.00	57	103.20	58	117.95	710
79.05	5558	90.80	87	103.95	1028	118.90	1151
80.05	2037	91.05	1079	104.75	193	127.90	779
81.05	5737	91.30	169	105.00	269	128.90	165
81.95	1381	92.15	5722	106.00	969	129.95	671
82.80	54	93.15	8279	106.90	105	130.90	59
82.95	171	94.10	21370	108.00	63	134.85	139

Average of 16.311 to 16.323 min.: Q4455a.D\data.ms
cc234-10 (M217)

m/z	abund.	m/z	abund.	m/z	abund.	m/z	abund.
135.70	70	156.95	273				
136.95	119	159.10	68				
141.00	1695	171.95	1655				
141.70	63	173.10	221				
141.95	147	174.05	161144				
142.95	1743	175.05	12023				
145.00	251	176.05	153672				
145.95	123	177.05	9713				
147.90	279						
154.90	351						
155.10	70						

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

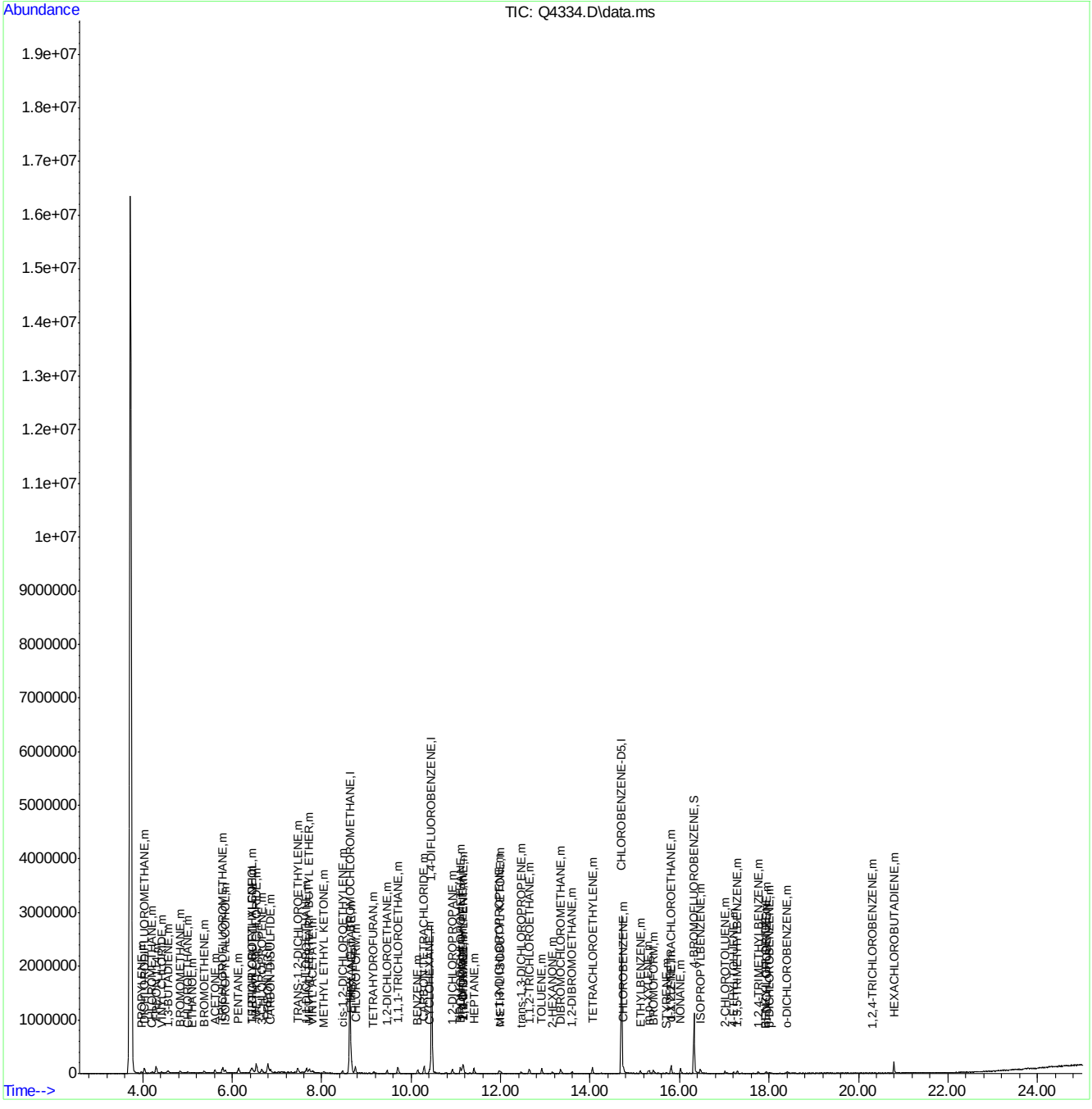
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) METHYL ISOBUTYL KETONE	11.981	43	26653	0.30	PPBV	90
45) cis-1,3-DICHLOROPROPENE	11.958	75	14044	0.30	PPBV #	82
46) TOLUENE	12.918	92	26793	0.37	PPBV	92
47) trans-1,3-DICHLOROPROPENE	12.463	75	9361	0.29	PPBV	88
48) 1,1,2-TRICHLOROETHANE	12.641	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

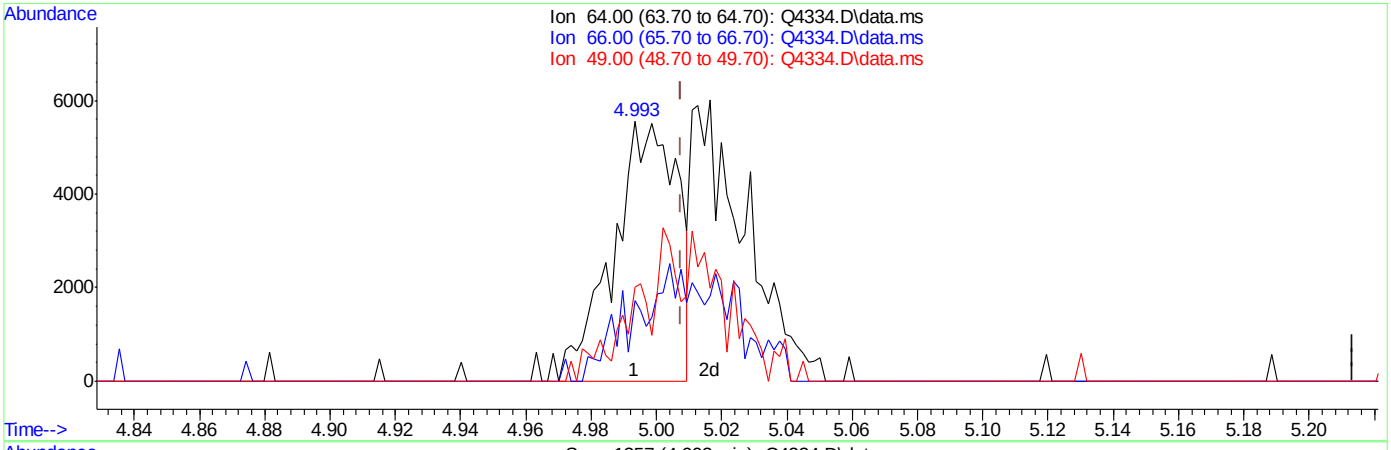


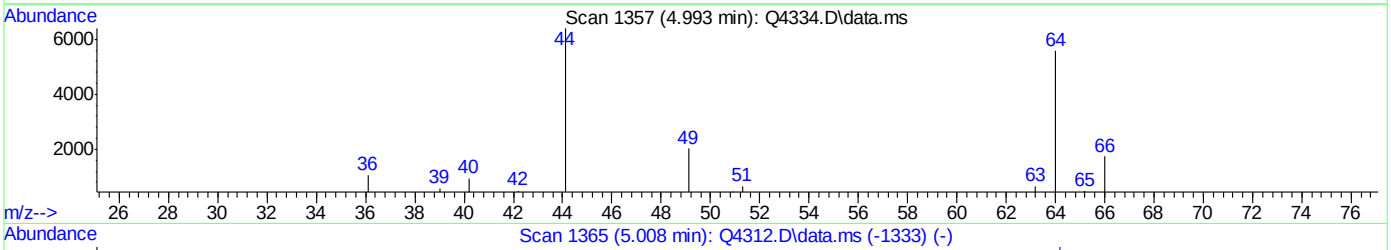
ACCUTEST Laboratories M67318

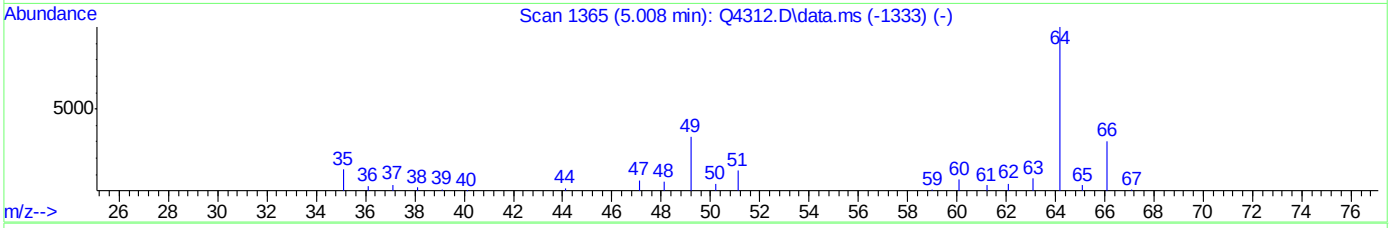
Quantitation Report (Qedit)

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

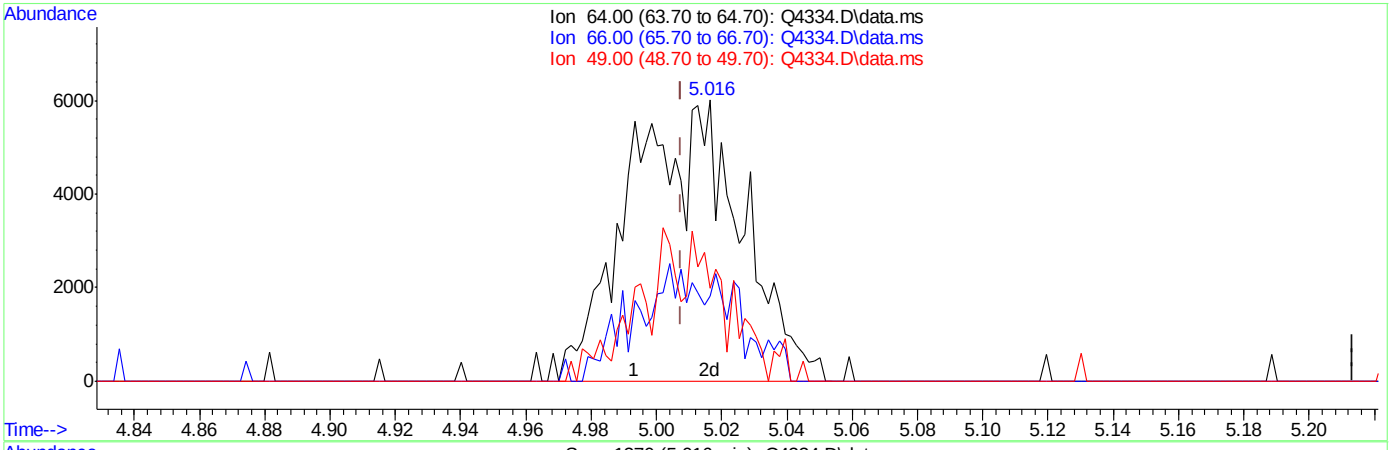
response 7537

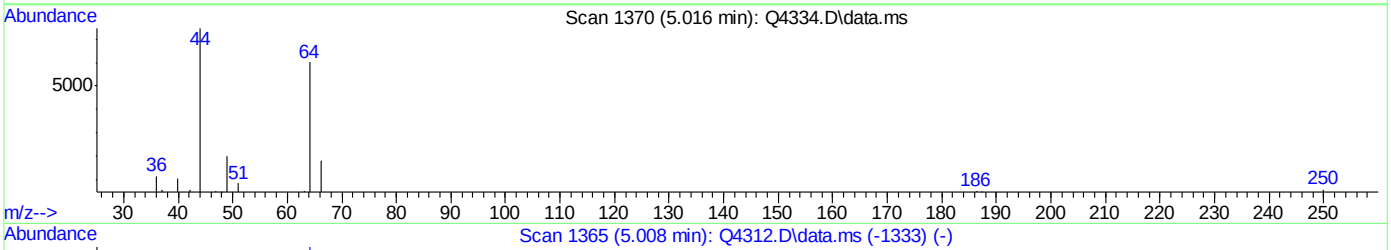
Ion	Exp%	Act%
64.00	100	100
66.00	31.30	67.64#
49.00	38.80	75.60#
0.00	0.00	0.00

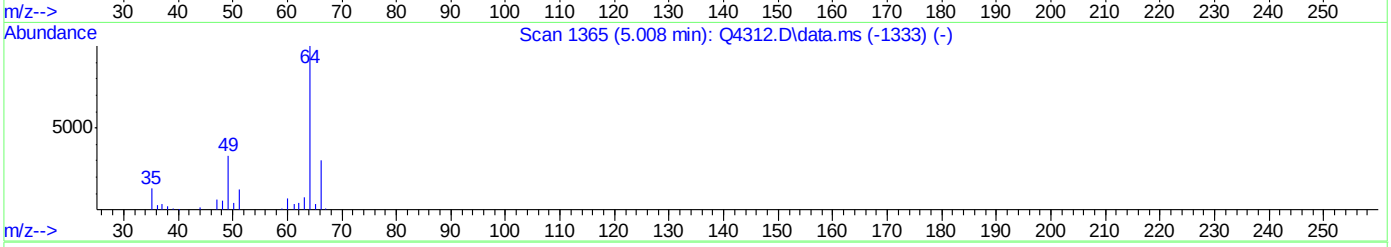
Quantitation Report (Qedit)

```
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

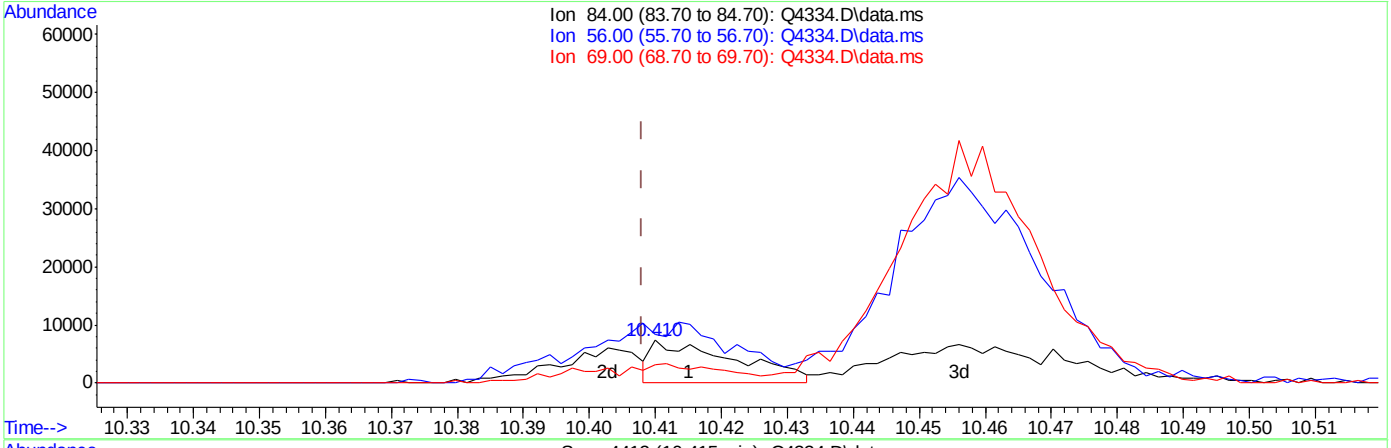
Ion	Exp%	Act%
64.00	100	100
66.00	31.30	35.65
49.00	38.80	39.84
0.00	0.00	0.00

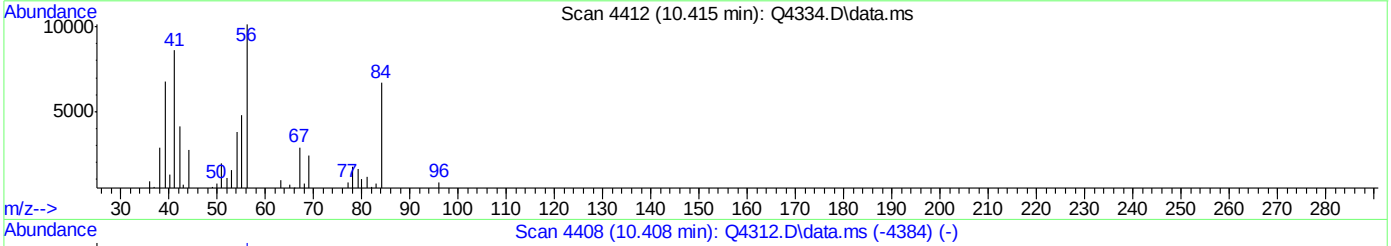
ACCUTEST Laboratories M67318

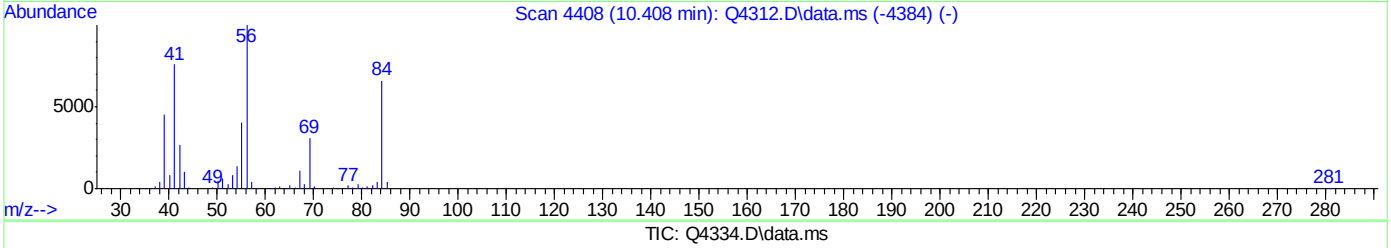
Quantitation Report (Qedit)

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

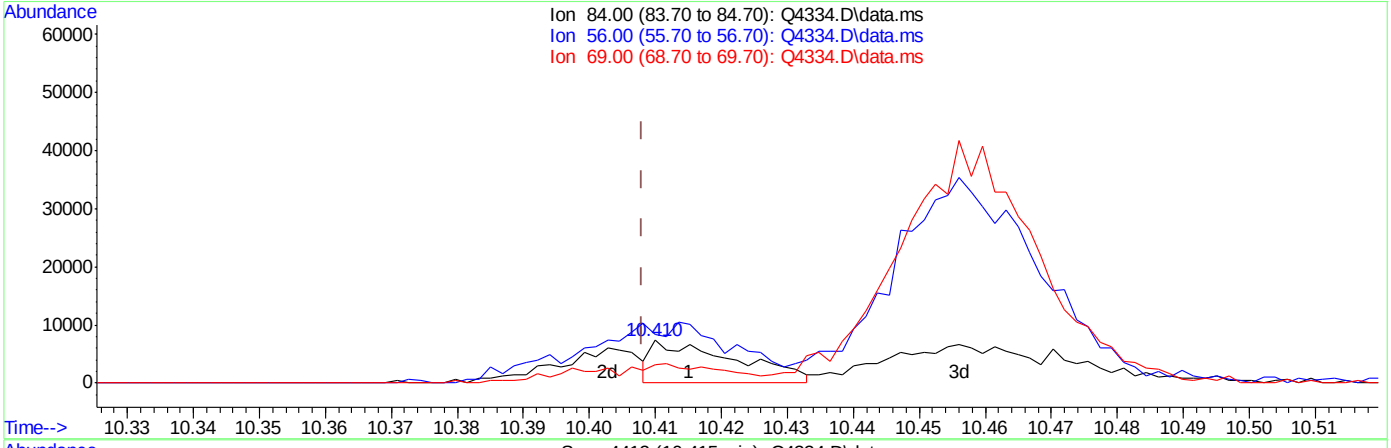
response 6451

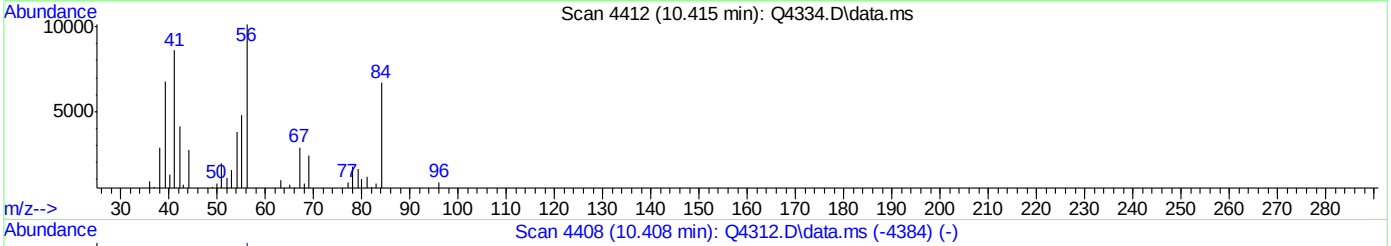
Ion	Exp%	Act%
84.00	100	100
56.00	155.60	257.99#
69.00	44.40	47.09
0.00	0.00	0.00

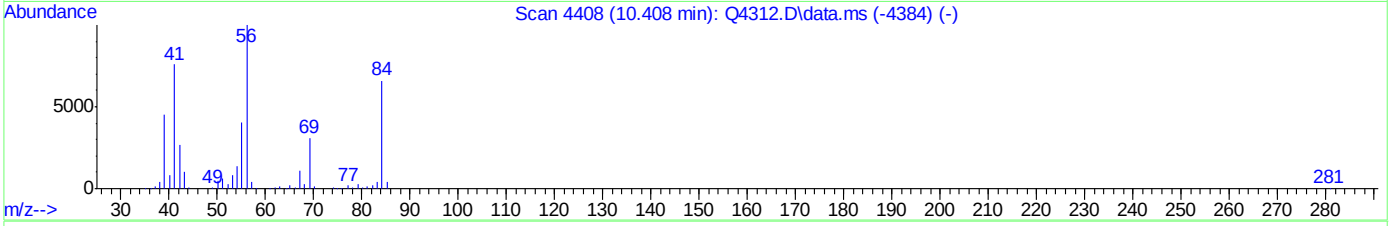
Quantitation Report (Qedit)

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

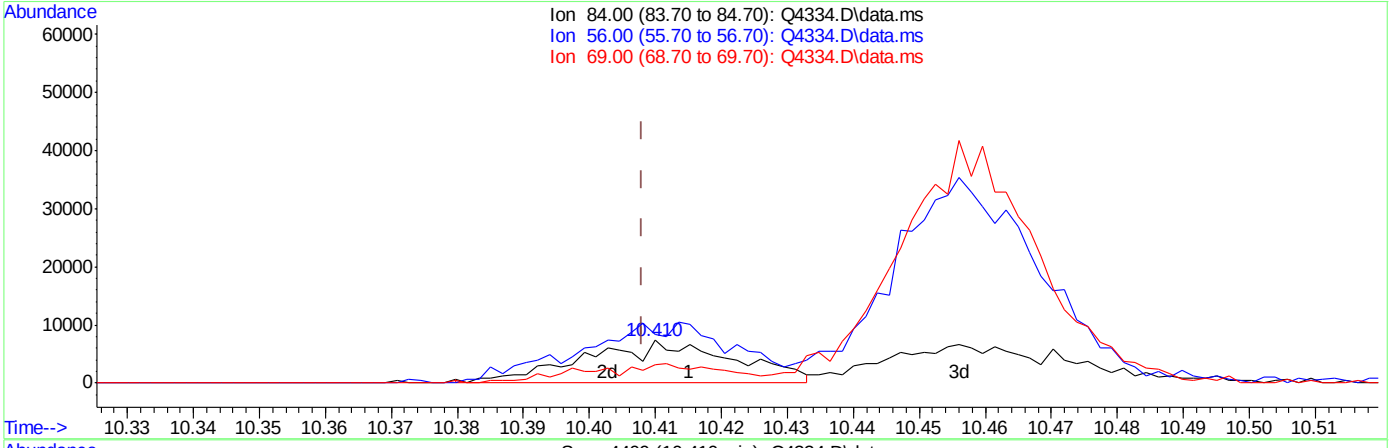
response 6451

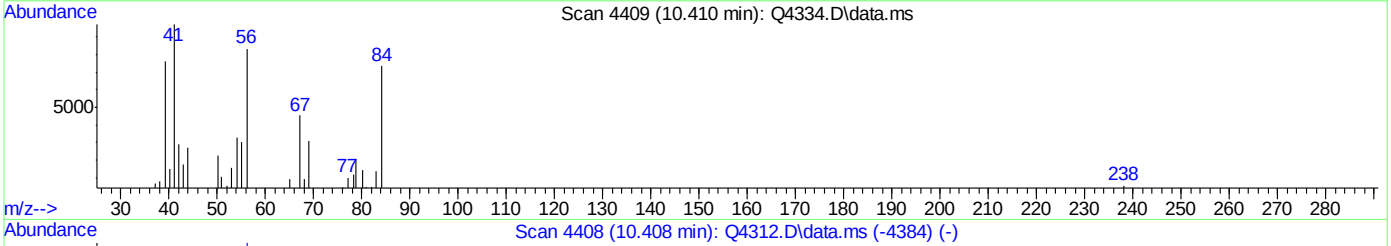
Ion	Exp%	Act%
84.00	100	100
56.00	155.60	257.99#
69.00	44.40	47.09
0.00	0.00	0.00

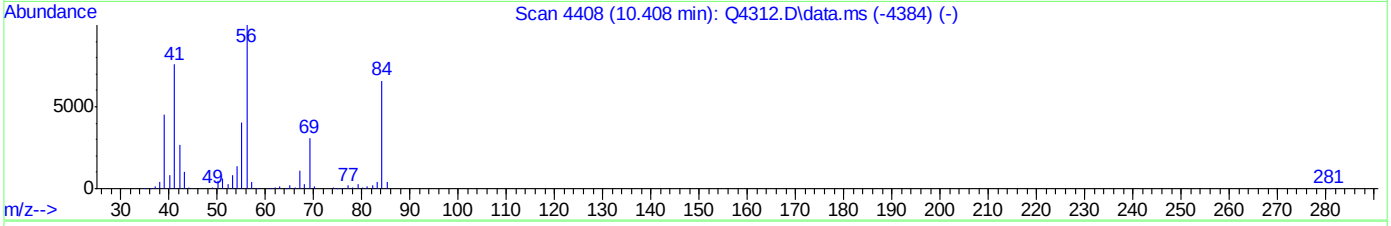
Quantitation Report (Qedit)

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

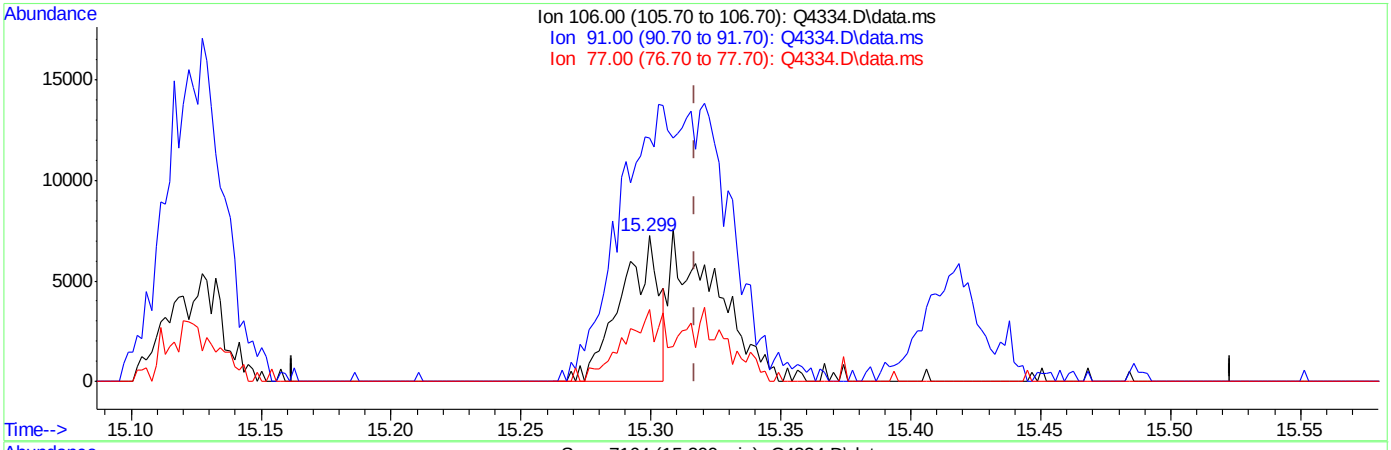
response 11584

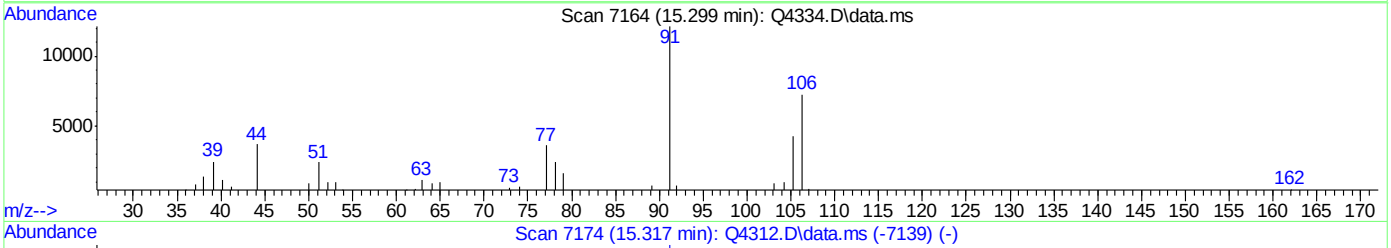
Ion	Exp%	Act%
84.00	100	100
56.00	155.60	143.67
69.00	44.40	26.23
0.00	0.00	0.00

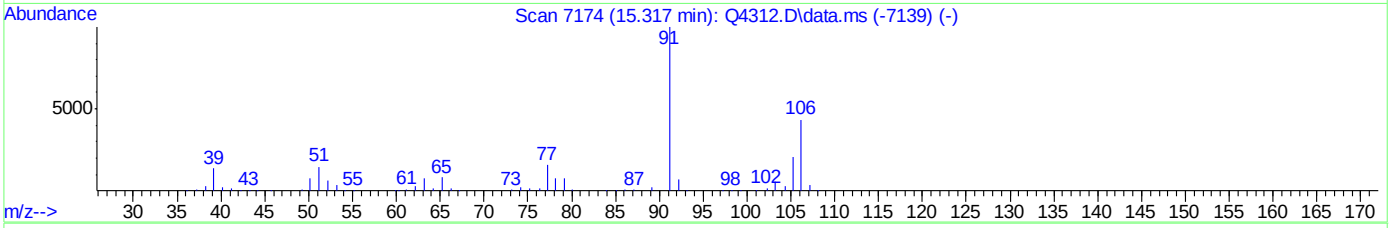
Quantitation Report (Qedit)

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

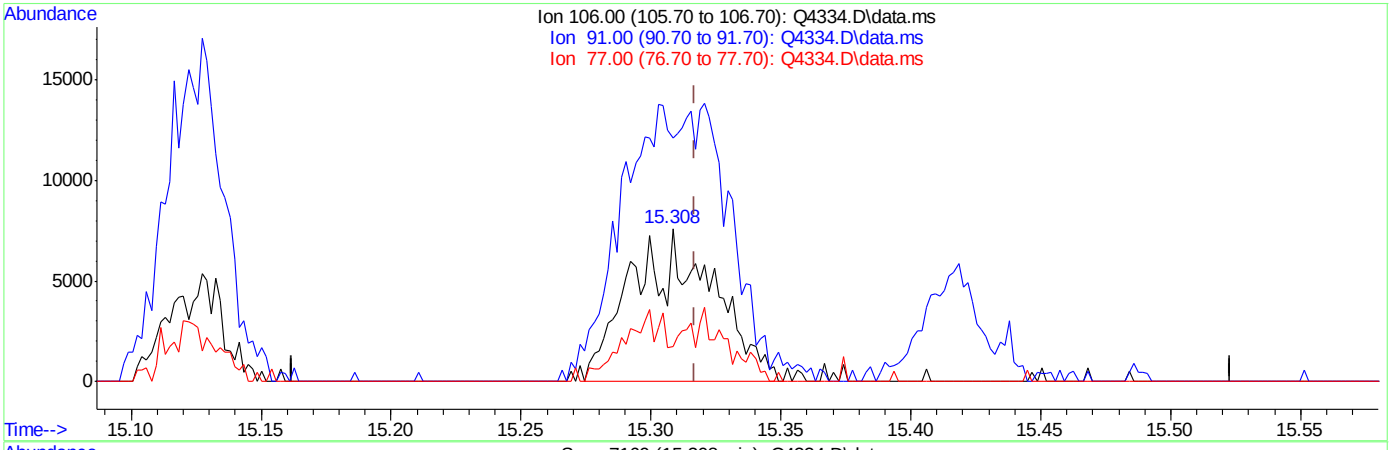
Ion	Exp%	Act%
106.00	100	100
91.00	231.70	167.17#
77.00	36.50	49.50#
0.00	0.00	0.00

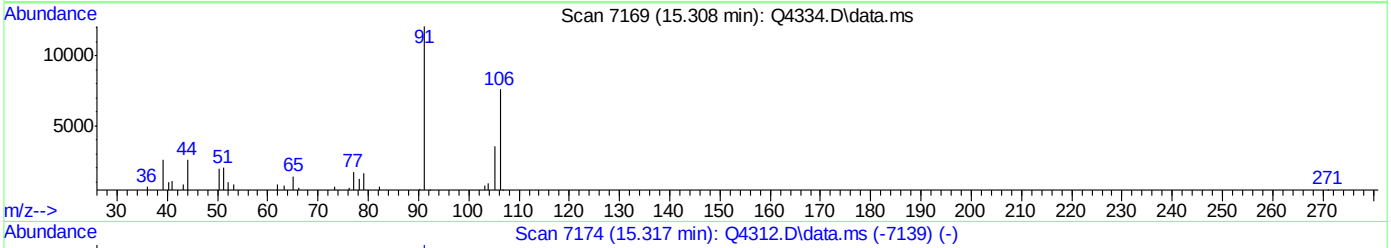
ACCUTEST Laboratories M67318

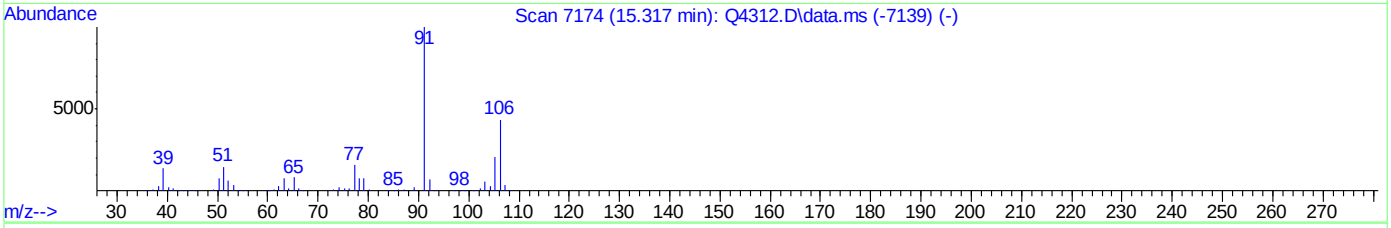
Quantitation Report (Qedit)

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

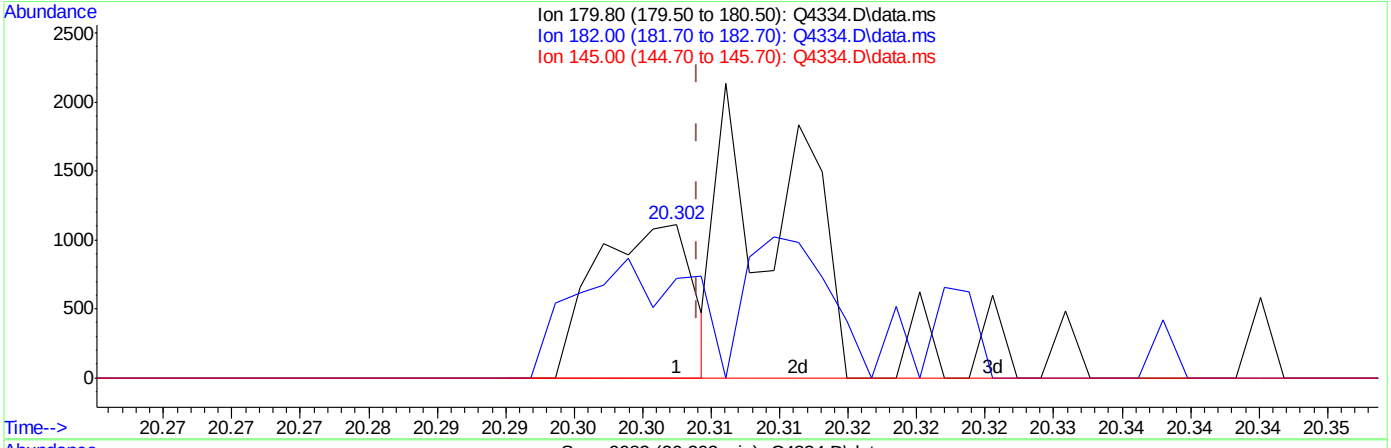
Ion	Exp%	Act%
106.00	100	100
91.00	231.70	158.85#
77.00	36.50	22.74#
0.00	0.00	0.00

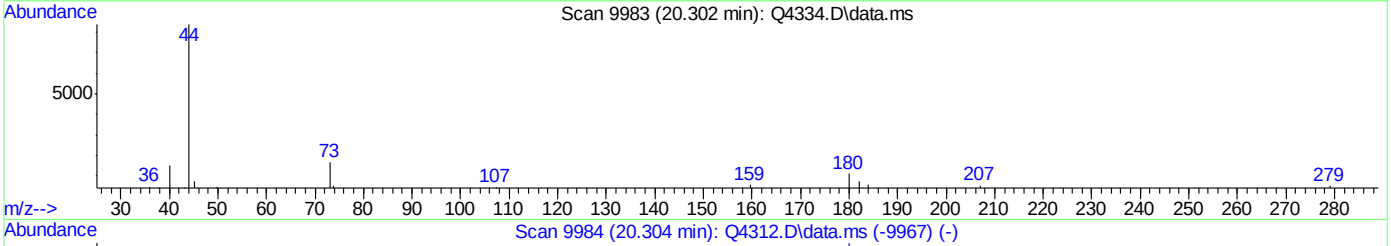
ACCUTEST Laboratories M67318

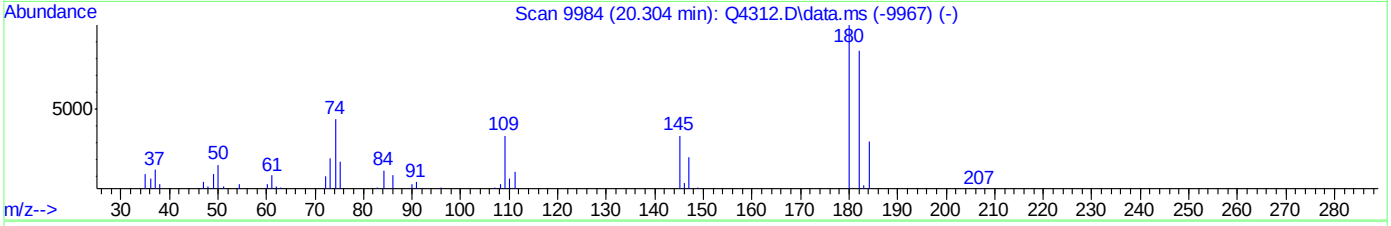
Quantitation Report (Qedit)

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

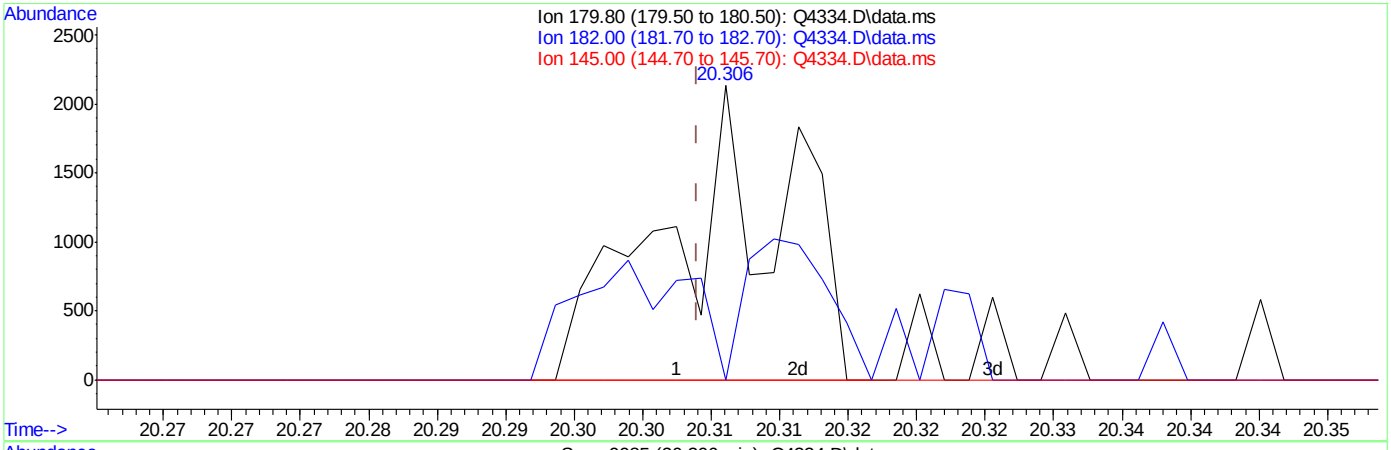
response 552

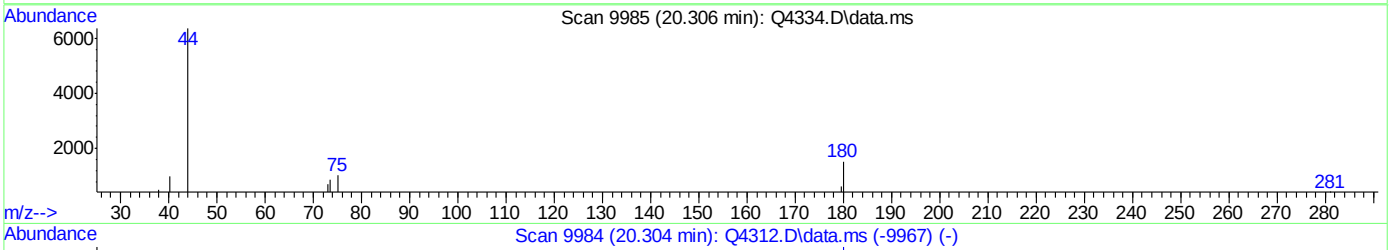
Ion	Exp%	Act%
179.80	100	100
182.00	96.80	0.00#
145.00	31.50	0.00#
0.00	0.00	0.00

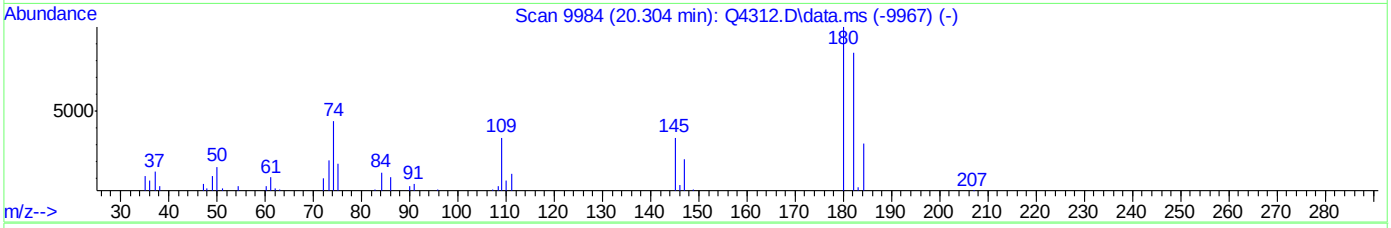
Quantitation Report (Qedit)

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

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

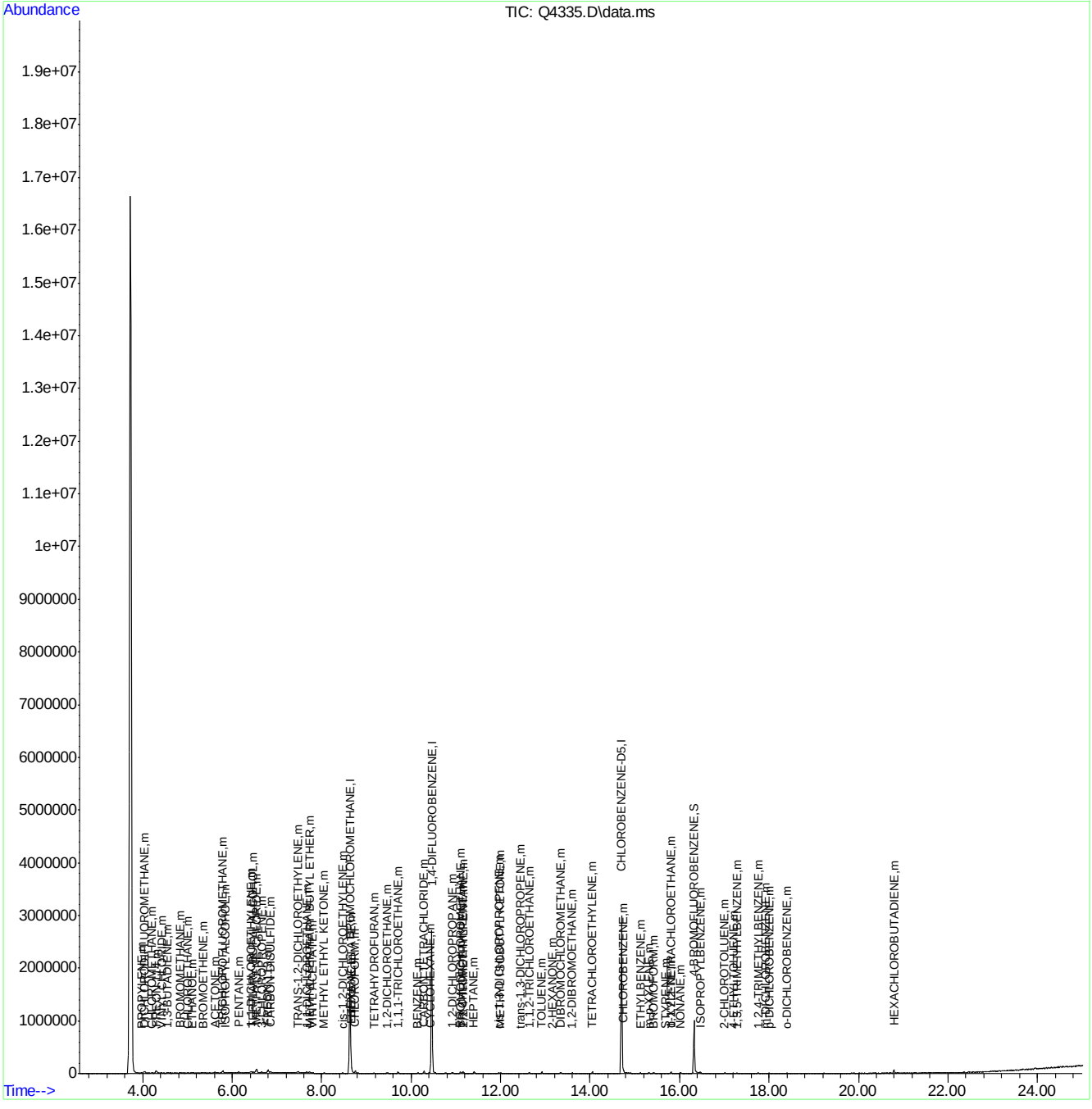
Internal Standards	R.T.	QIon	Response	Conc	Units		Dev(Min)
45) cis-1,3-DICHLOROPROPENE	11.959	75	3383	0.08	PPBV		81
46) TOLUENE	12.923	92	8865	0.13	PPBV		92
47) trans-1,3-DICHLOROPROPENE	12.451	75	1960	0.06	PPBV	#	58
48) 1,1,2-TRICHLOROETHANE	12.643	83	4386	0.11	PPBV		94
50) 2-HEXANONE	13.166	43	3861m	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

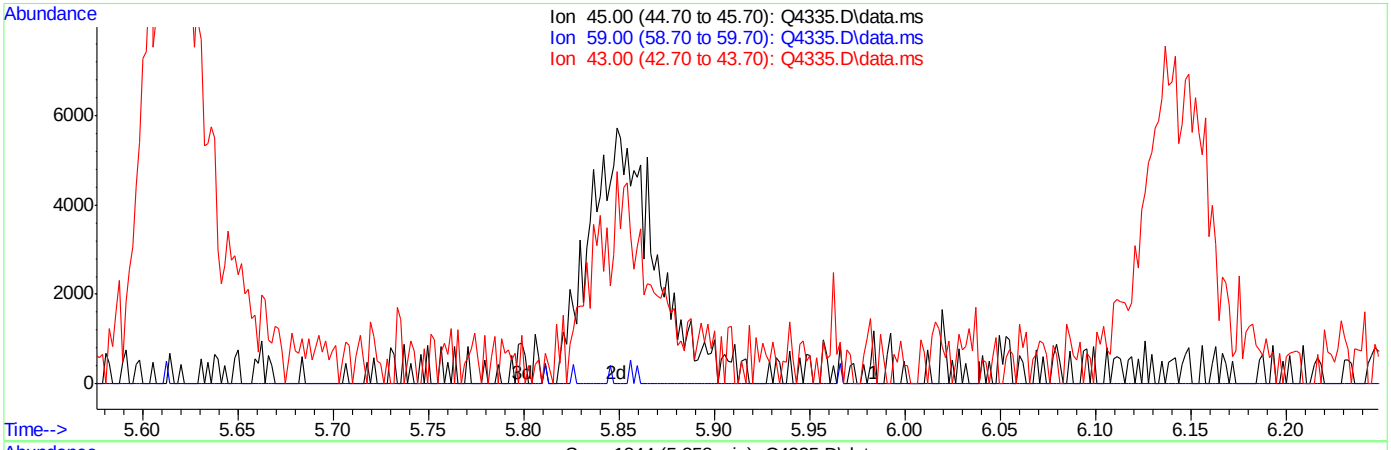


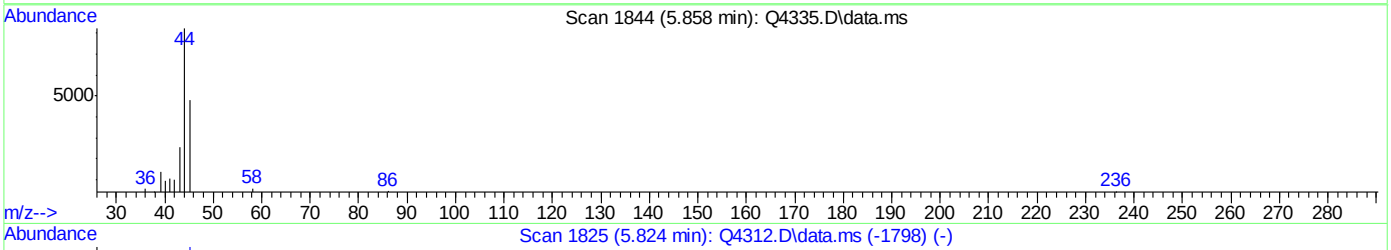
ACCUTEST Laboratories M67318

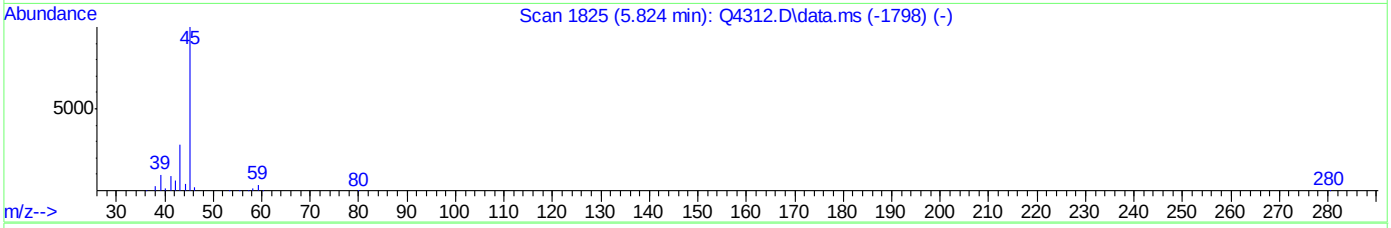
Quantitation Report (Qedit)

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

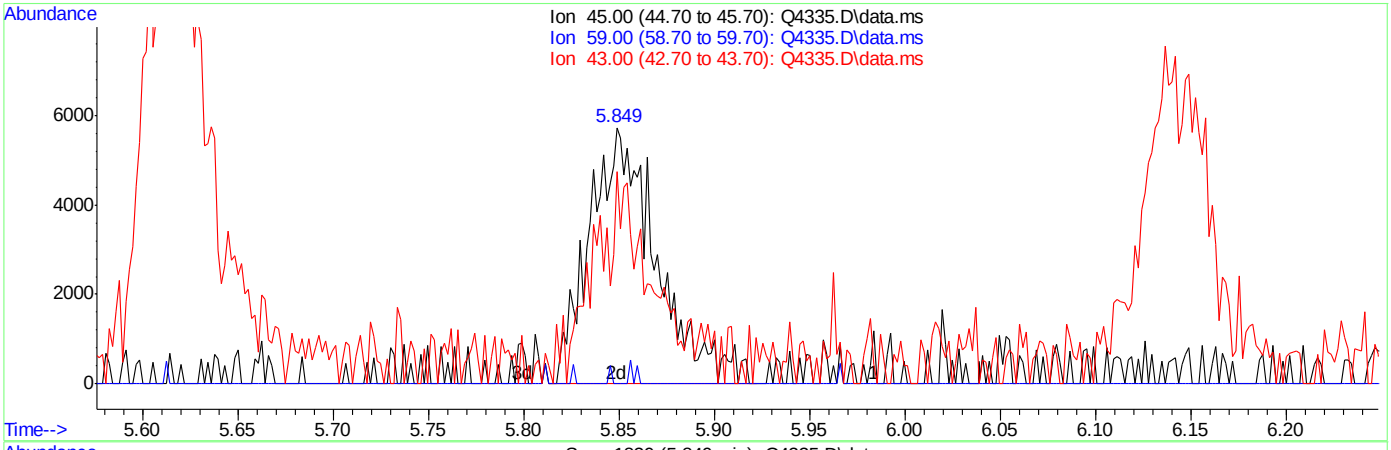
response 0

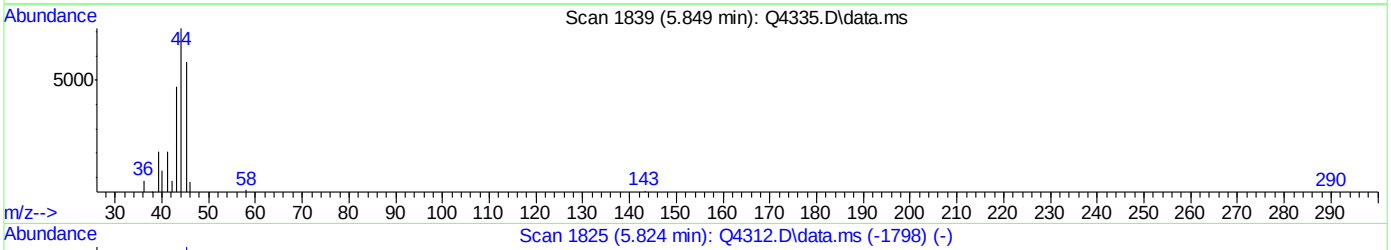
Ion	Exp%	Act%
45.00	100	0.00
59.00	3.50	0.00
43.00	28.80	0.00
0.00	0.00	0.00

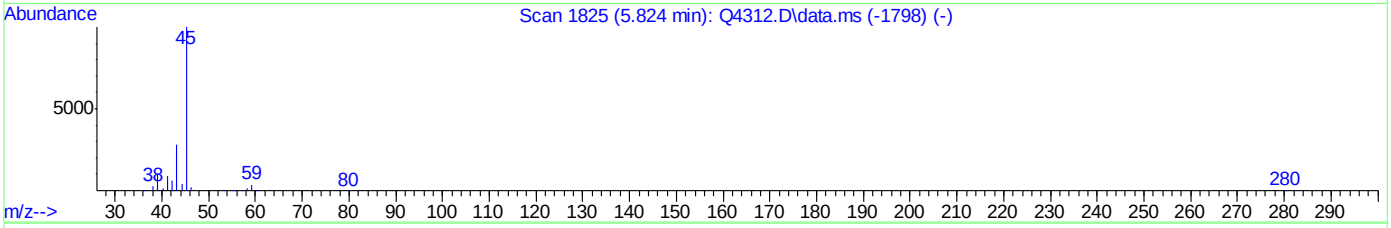
Quantitation Report (Qedit)

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

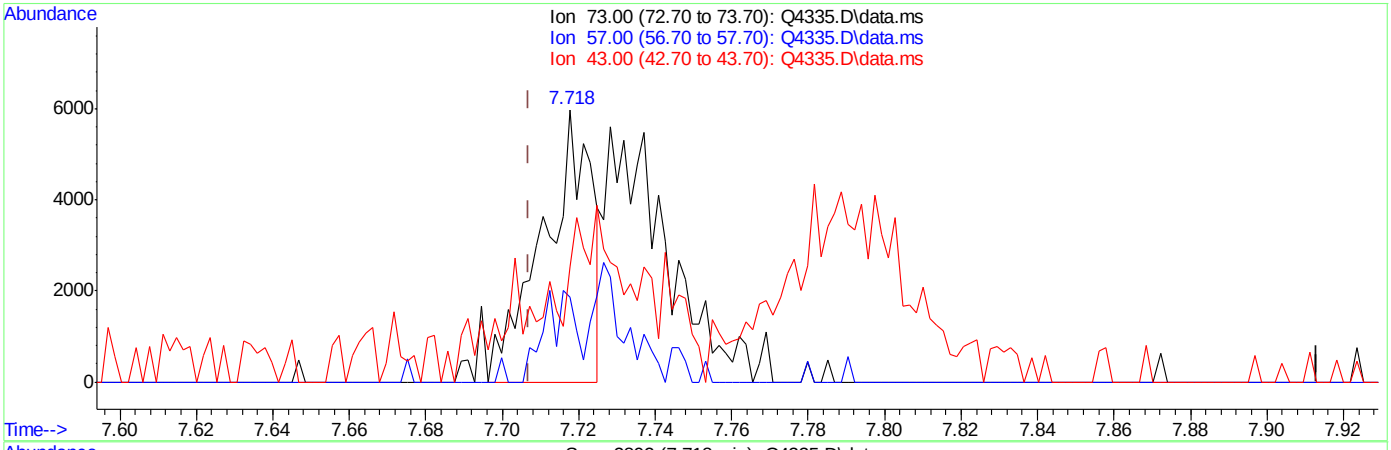
response 14069

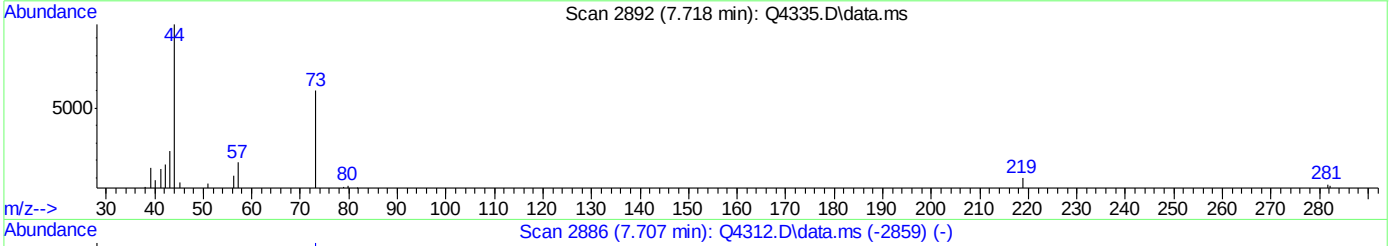
Ion	Exp%	Act%
45.00	100	100
59.00	3.50	0.00
43.00	28.80	82.75#
0.00	0.00	0.00

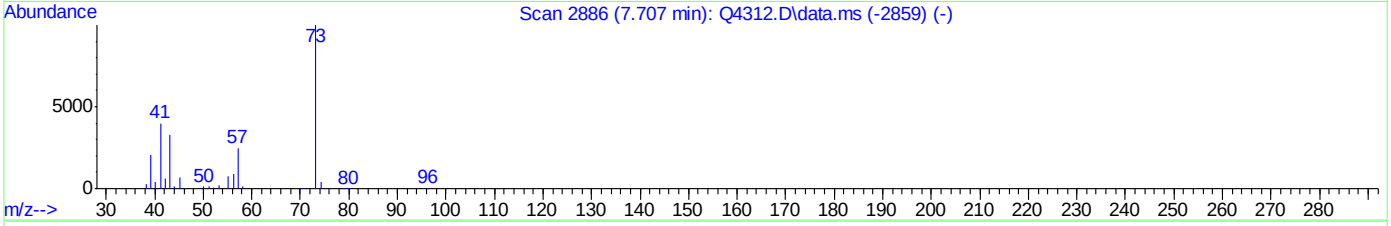
Quantitation Report (Qedit)

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

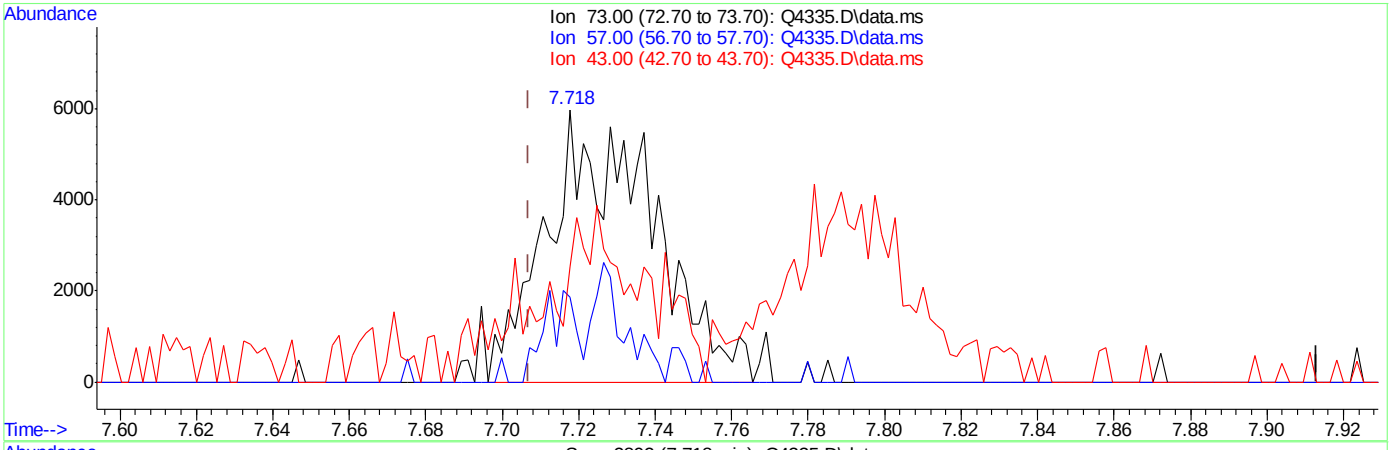
response 5245

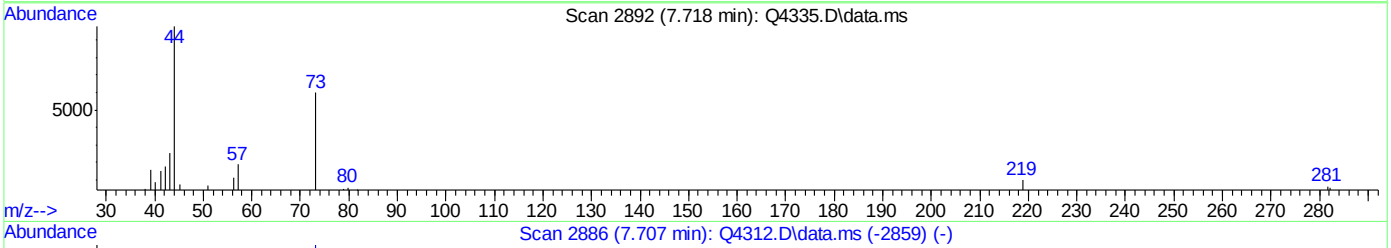
Ion	Exp%	Act%
73.00	100	100
57.00	23.40	51.25#
43.00	33.40	69.95#
0.00	0.00	0.00

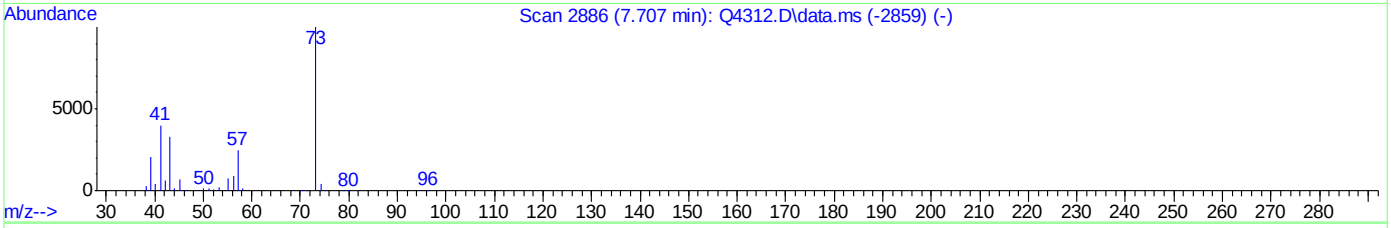
Quantitation Report (Qedit)

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

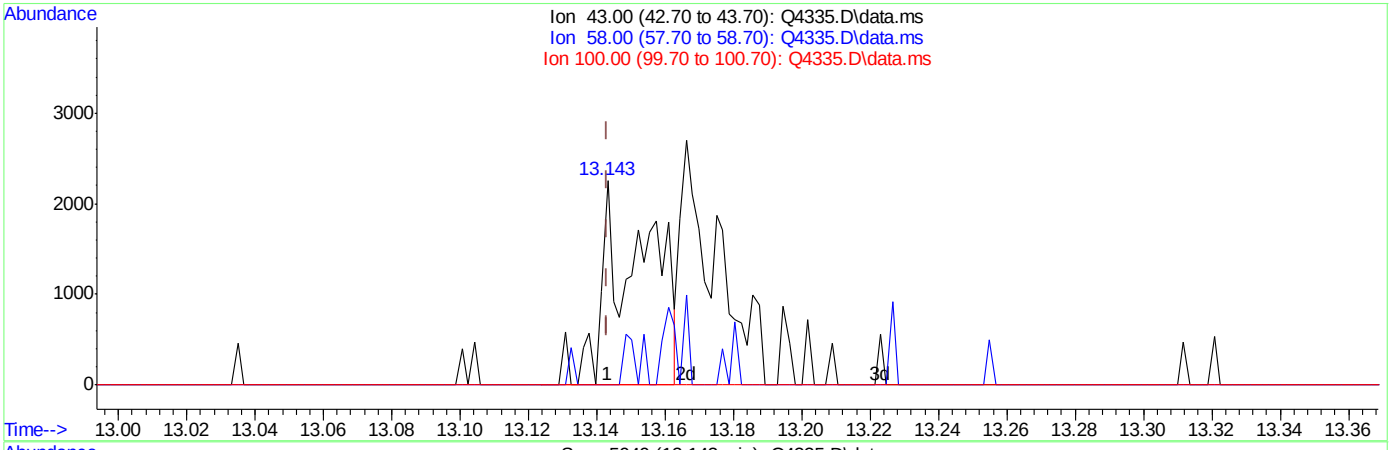
response 11444

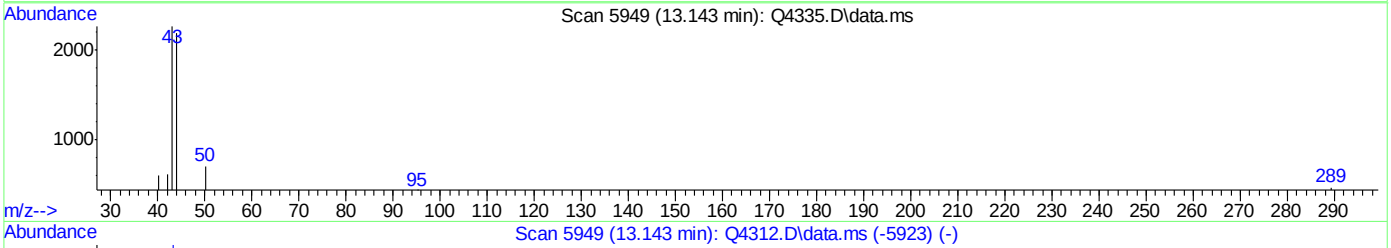
Ion	Exp%	Act%
73.00	100	100
57.00	23.40	23.49
43.00	33.40	32.06
0.00	0.00	0.00

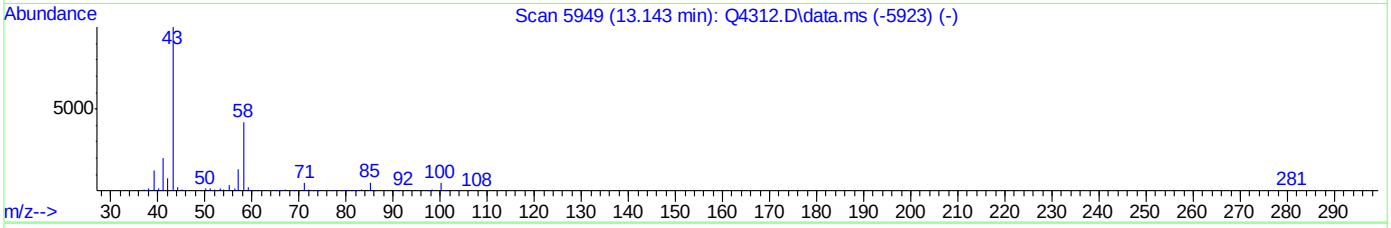
Quantitation Report (Qedit)

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

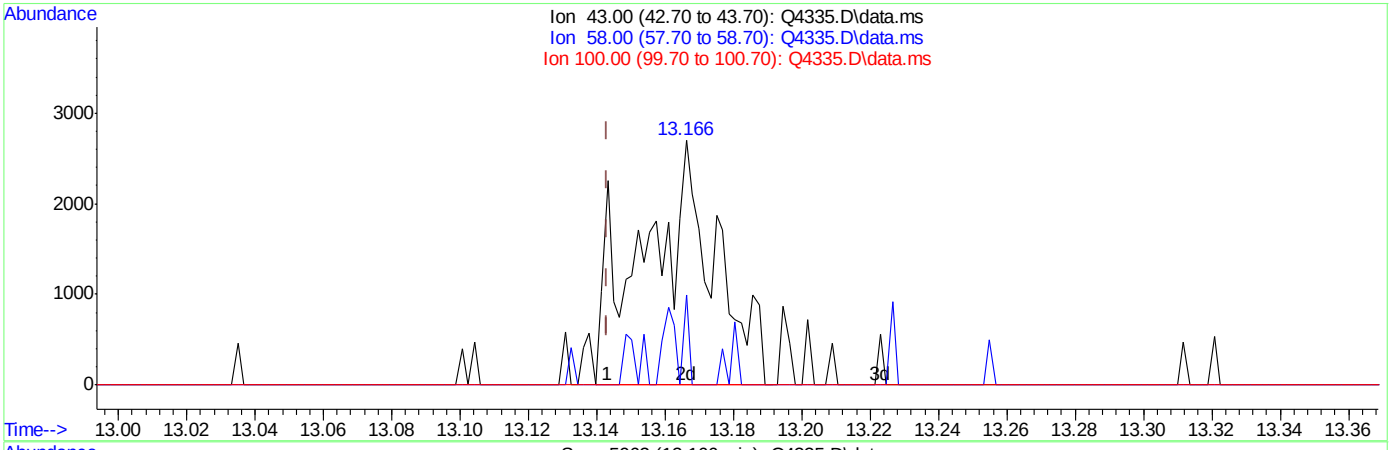
response 2052

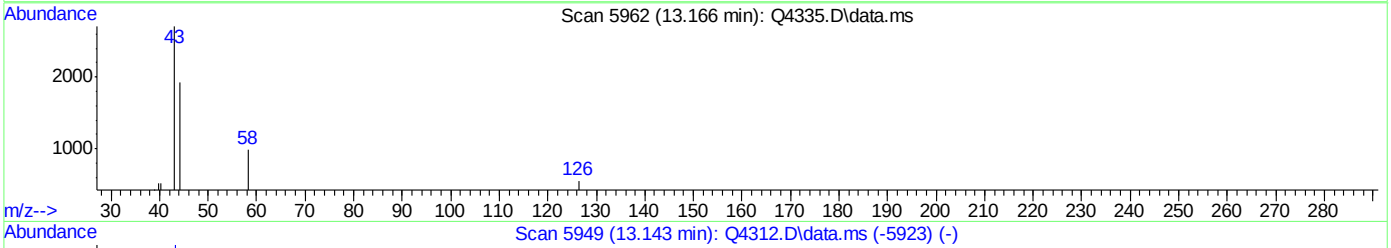
Ion	Exp%	Act%
43.00	100	100
58.00	40.00	5.46#
100.00	5.10	0.00
0.00	0.00	0.00

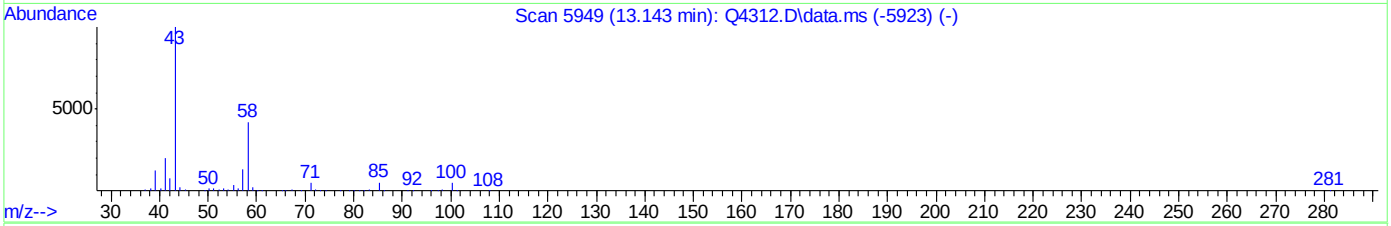
Quantitation Report (Qedit)

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

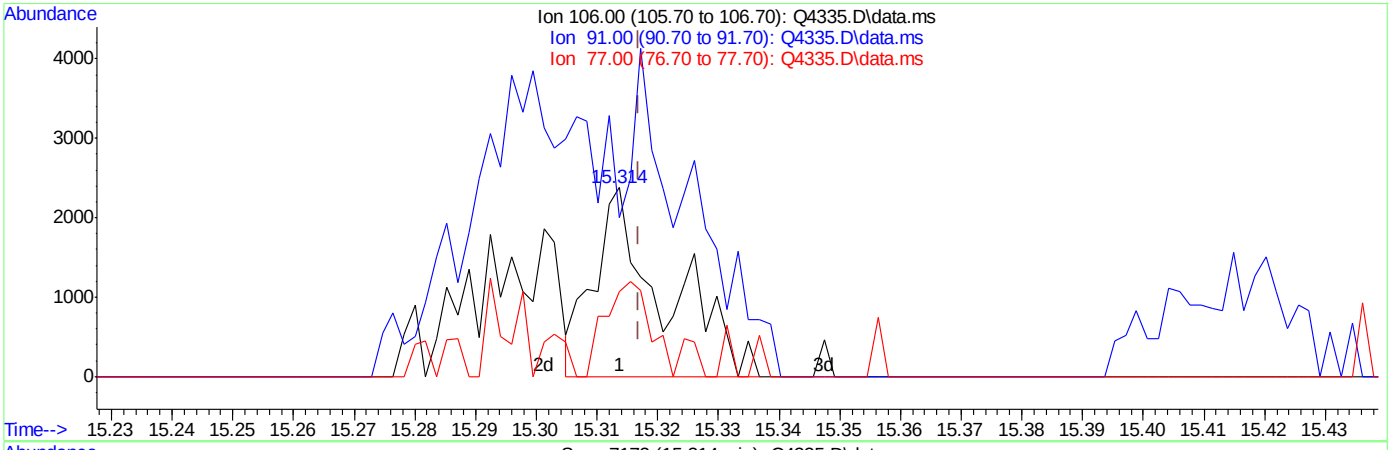
Ion	Exp%	Act%
43.00	100	100
58.00	40.00	2.90#
100.00	5.10	0.00
0.00	0.00	0.00

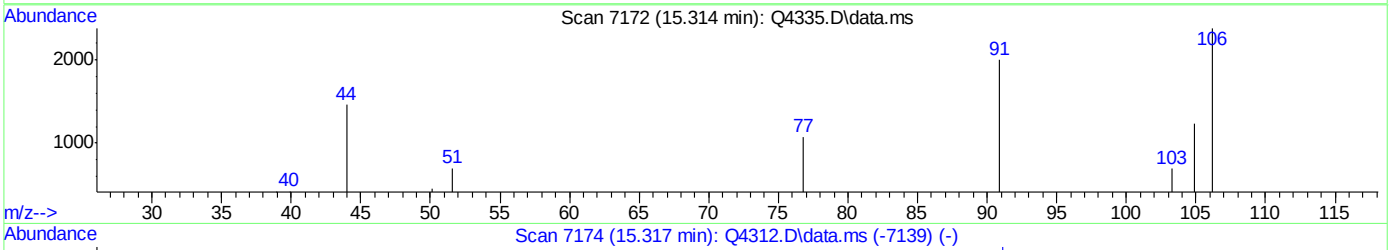
ACCUTEST Laboratories M67318

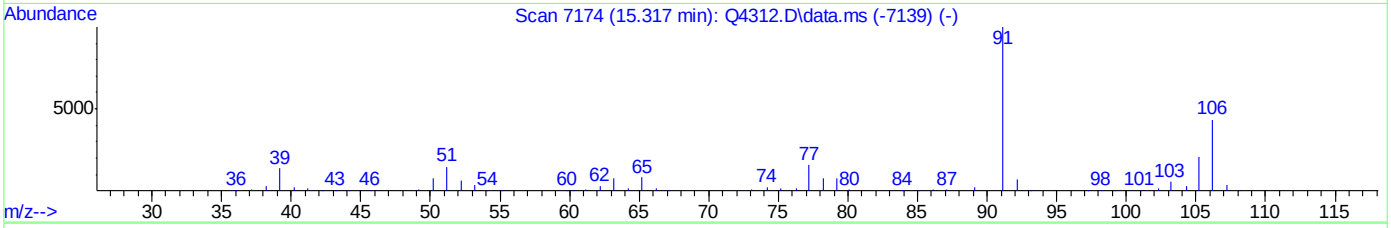
Quantitation Report (Qedit)

```
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

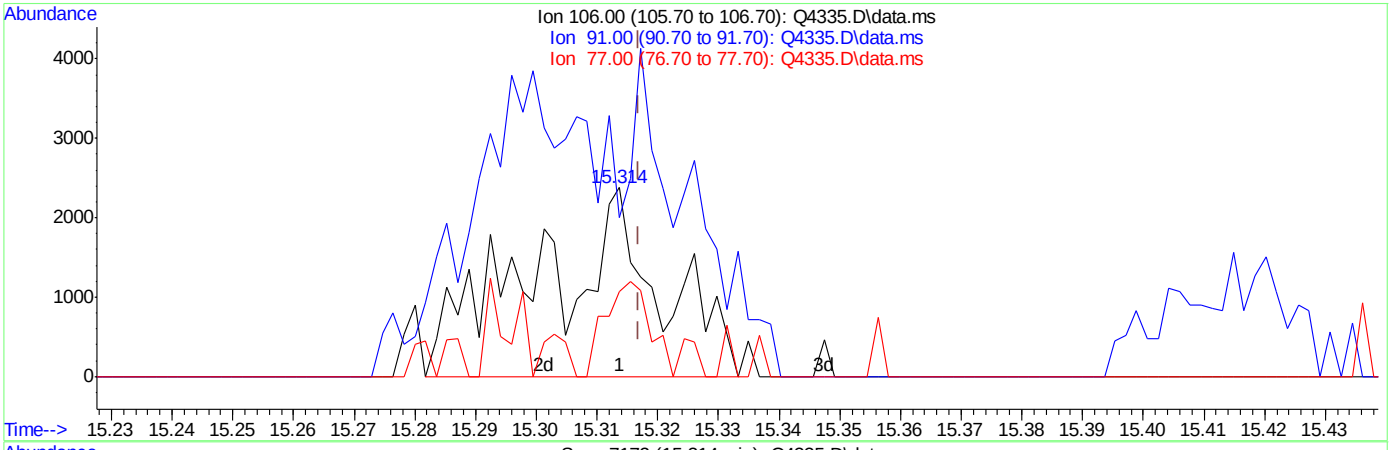
Ion	Exp%	Act%
106.00	100	100
91.00	231.70	83.92#
77.00	36.50	45.16#
0.00	0.00	0.00

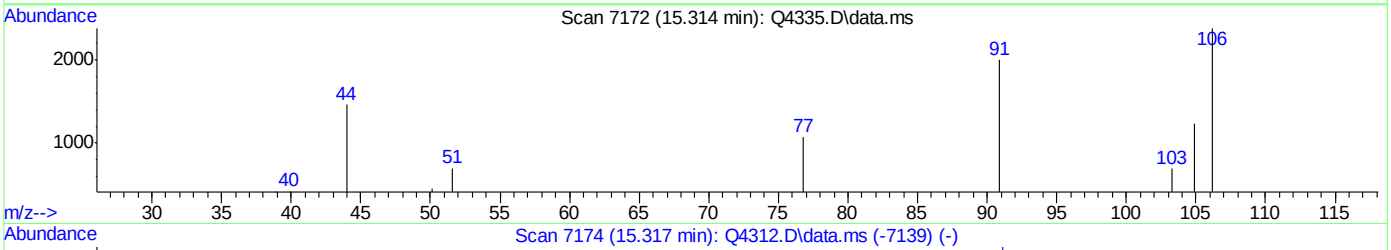
ACCUTEST Laboratories M67318

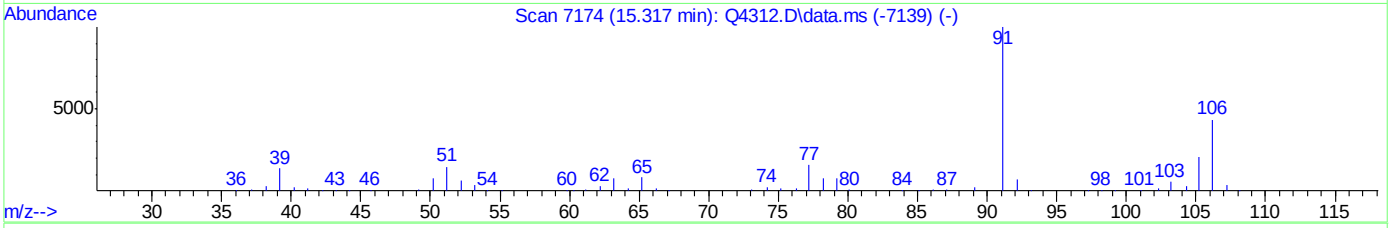
Quantitation Report (Qedit)

```
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

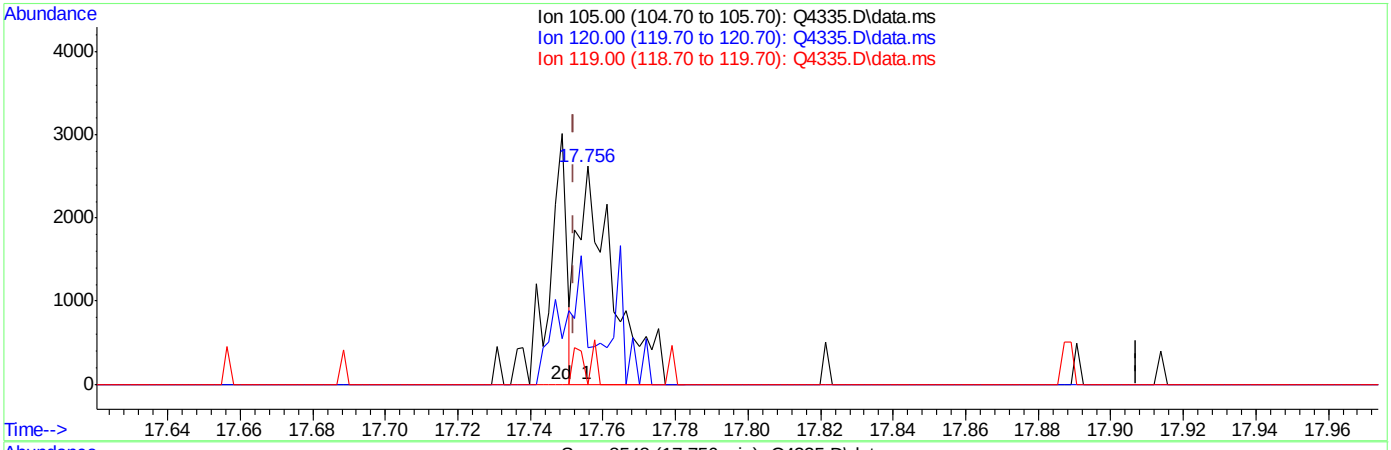
Ion	Exp%	Act%
106.00	100	100
91.00	231.70	83.92#
77.00	36.50	45.16#
0.00	0.00	0.00

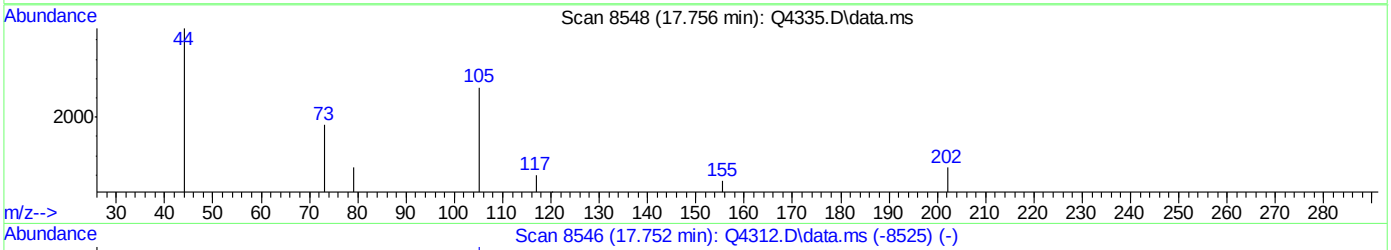
ACCUTEST Laboratories M67318

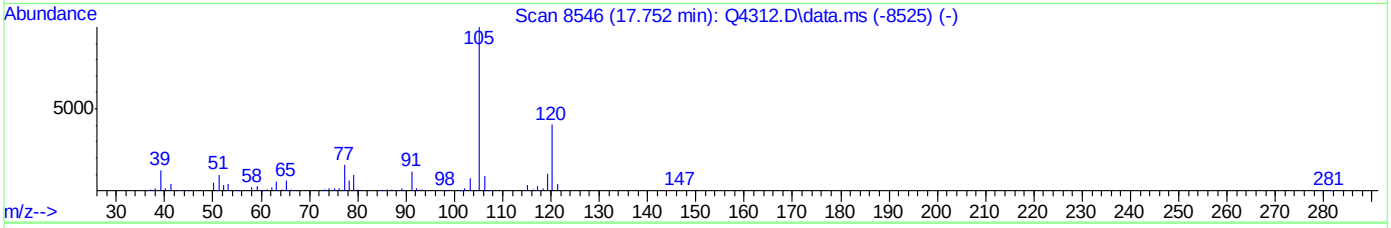
Quantitation Report (Qedit)

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

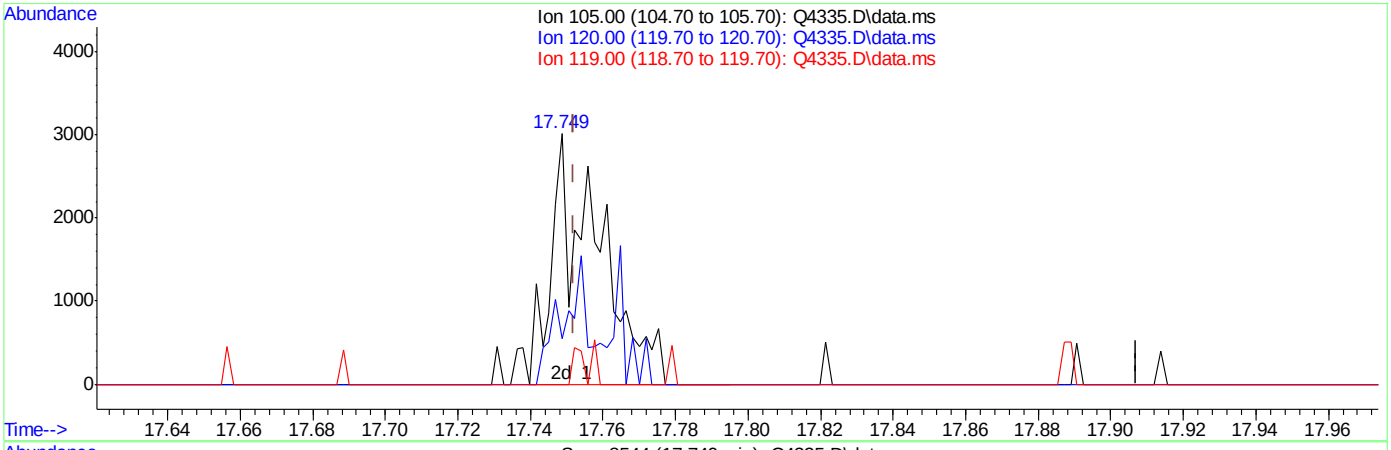
response 1793

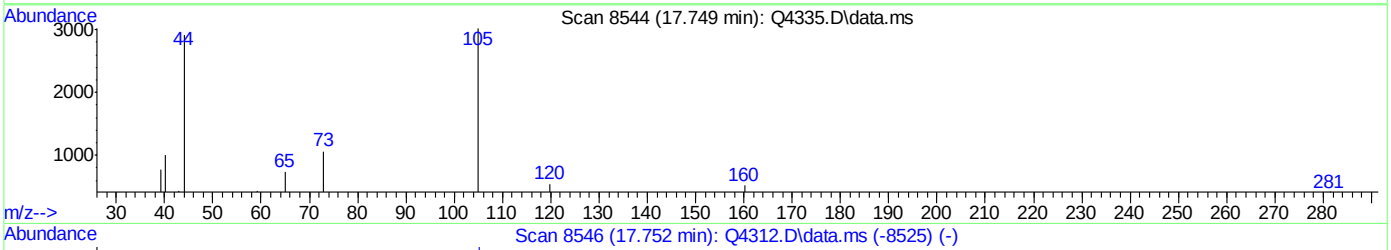
Ion	Exp%	Act%
105.00	100	100
120.00	40.50	44.95
119.00	11.00	8.14
0.00	0.00	0.00

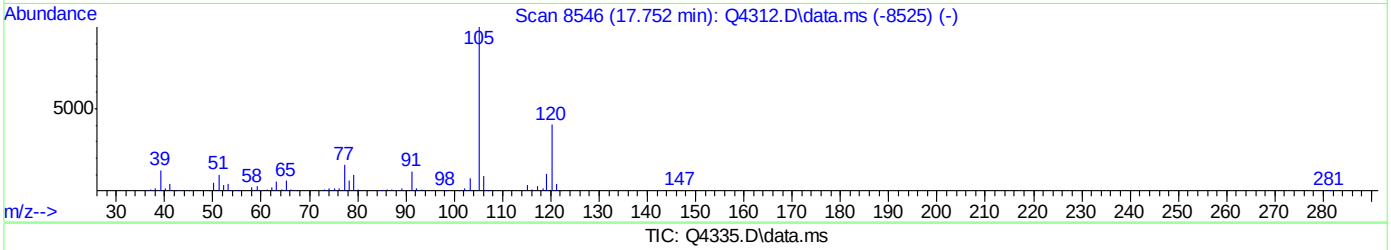
Quantitation Report (Qedit)

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

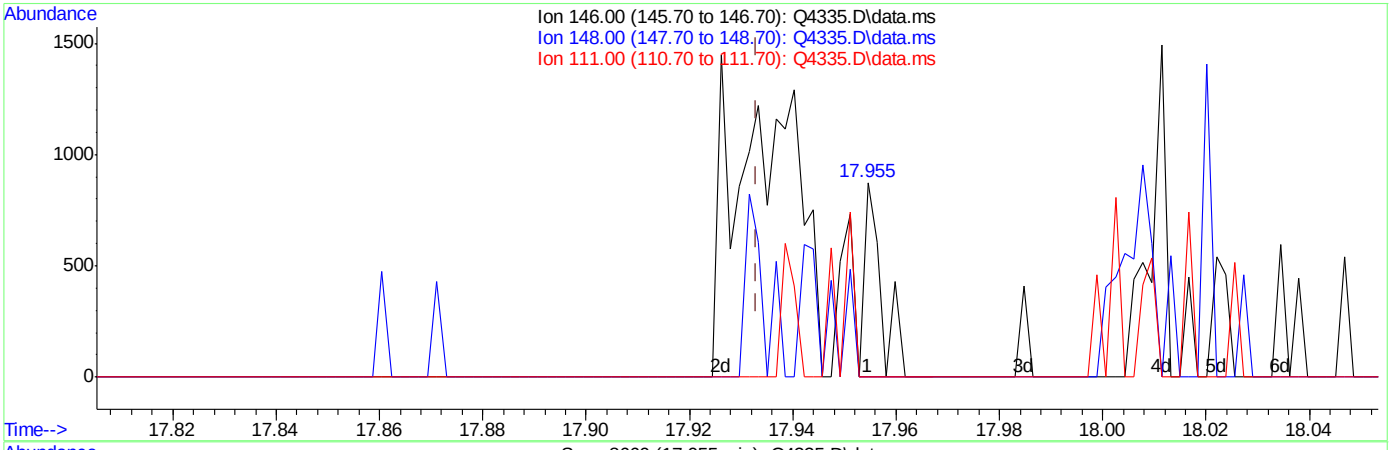
Ion	Exp%	Act%
105.00	100	100
120.00	40.50	29.73
119.00	11.00	5.39
0.00	0.00	0.00

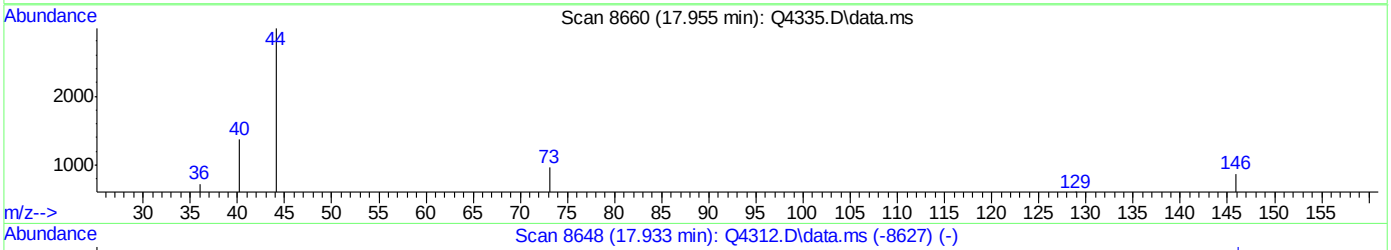
ACCUTEST Laboratories M67318

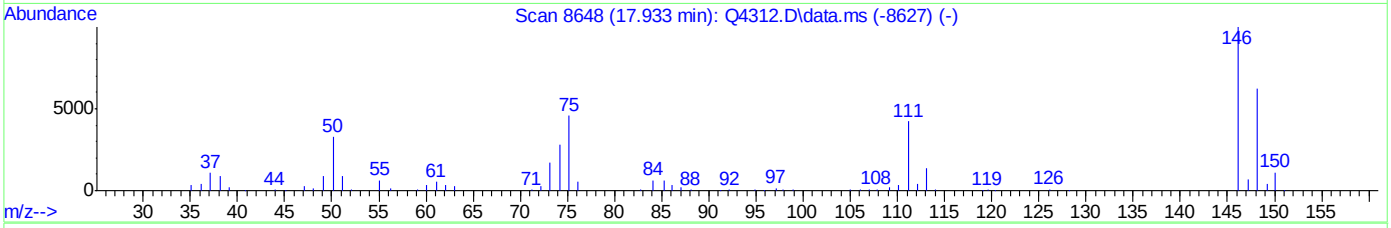
Quantitation Report (Qedit)

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

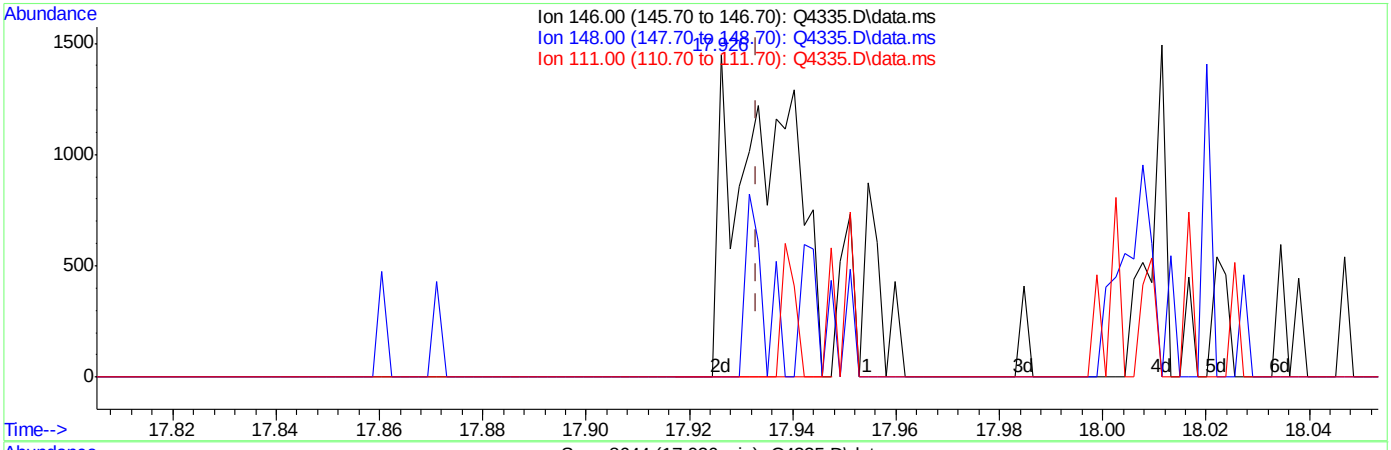
response 204

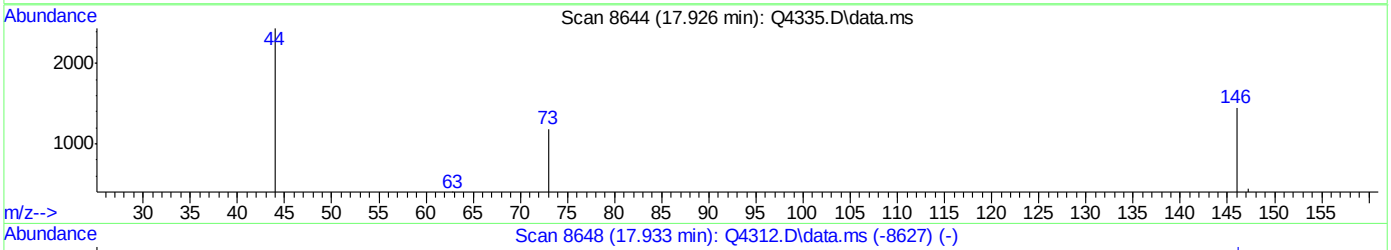
Ion	Exp%	Act%
146.00	100	100
148.00	63.90	83.82
111.00	45.40	52.45
0.00	0.00	0.00

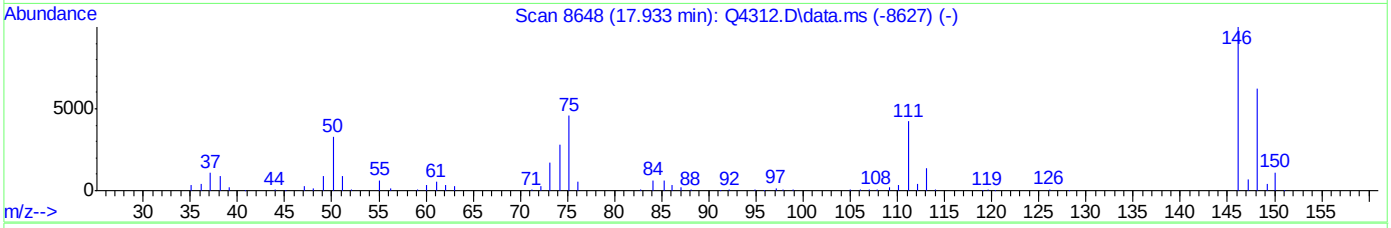
Quantitation Report (Qedit)

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

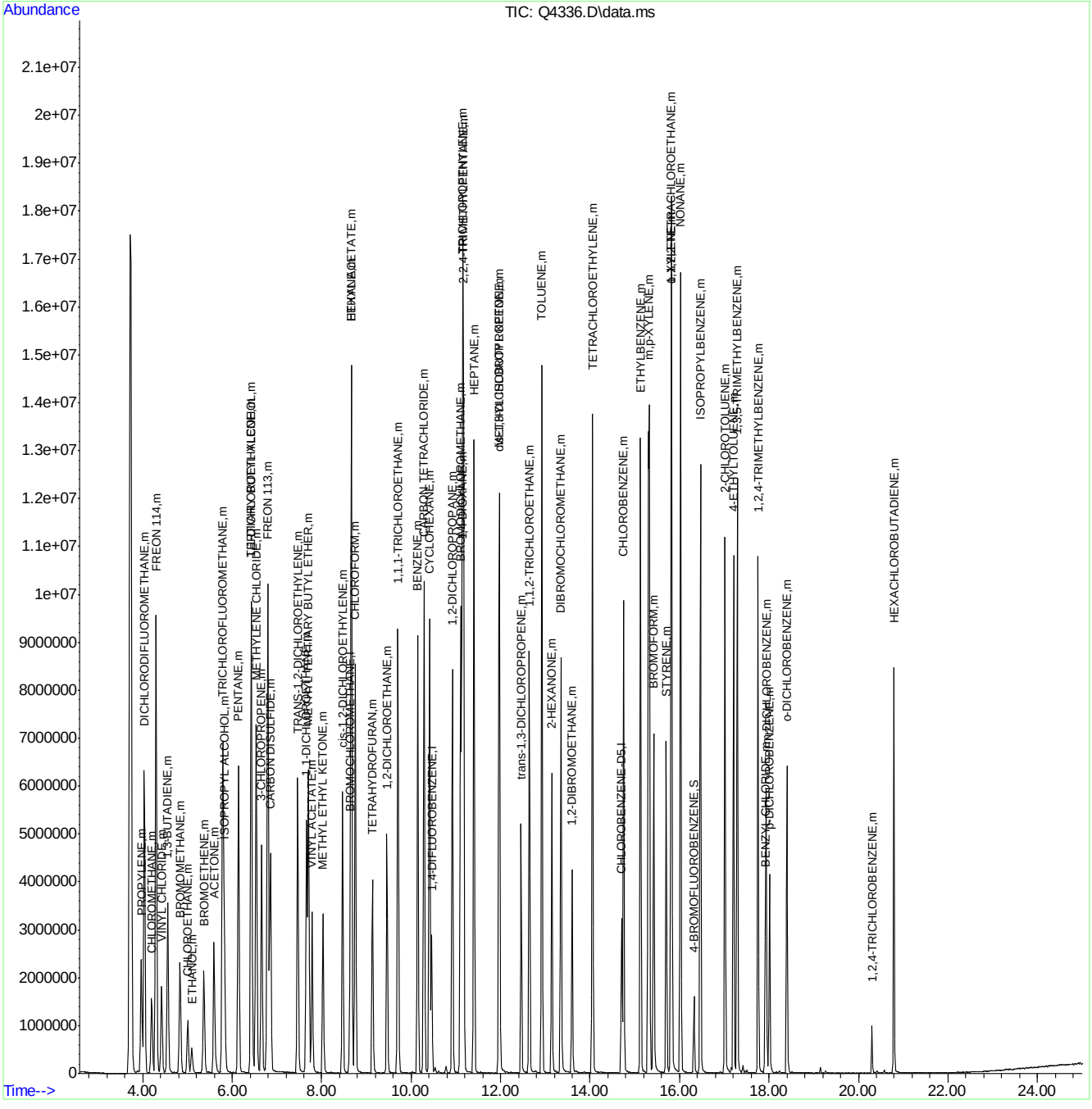
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) METHYL ISOBUTYL KETONE	11.974	43	5601840	57.02	PPBV	100
45) cis-1,3-DICHLOROPROPENE	11.958	75	2950958	56.78	PPBV	98
46) TOLUENE	12.921	92	4846584	60.08	PPBV	99
47) trans-1,3-DICHLOROPROPENE	12.458	75	2019581	56.95	PPBV	98
48) 1,1,2-TRICHLOROETHANE	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



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

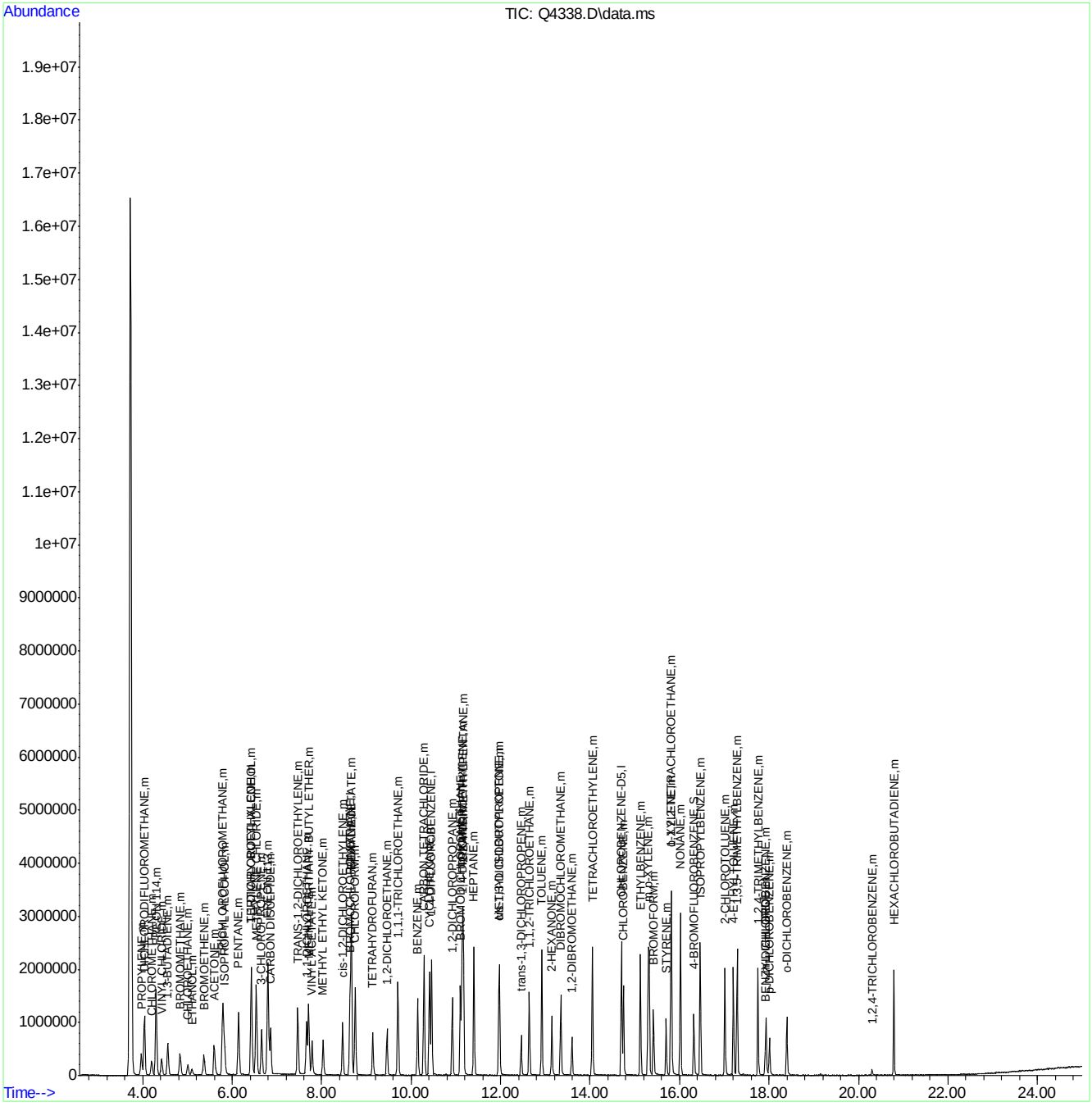
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) METHYL ISOBUTYL KETONE	11.974	43	1032355	14.05	PPBV	98
45) cis-1,3-DICHLOROPROPENE	11.958	75	436387	11.23	PPBV	89
46) TOLUENE	12.916	92	717751	11.90	PPBV	98
47) trans-1,3-DICHLOROPROPENE	12.456	75	280163	10.56	PPBV	95
48) 1,1,2-TRICHLOROETHANE	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



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

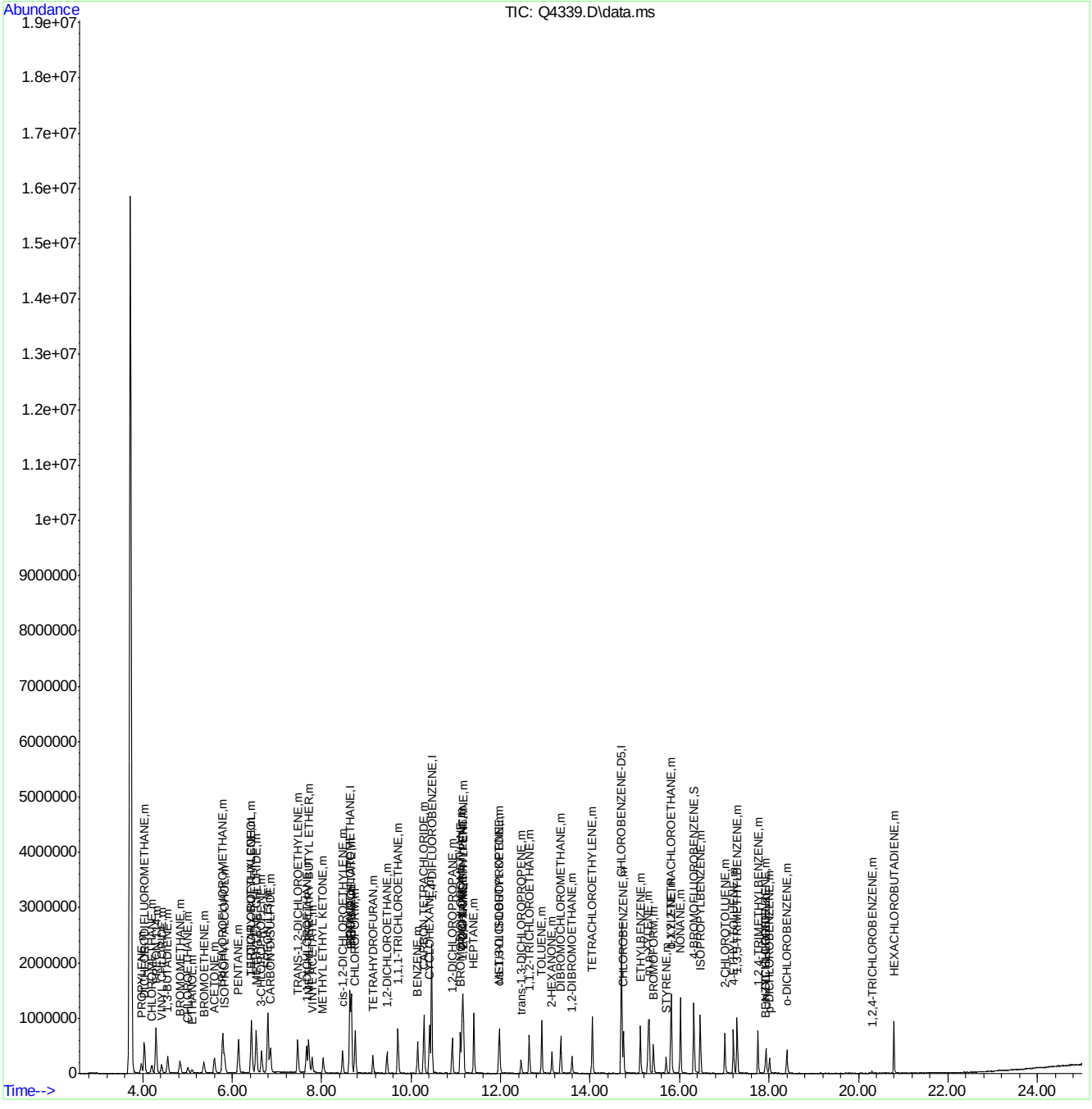
Internal Standards	R.T.	QIon	Response	Conc Units	Dev(Min)
44) METHYL ISOBUTYL KETONE	11.975	43	406414	5.11 PPBV	97
45) cis-1,3-DICHLOROPROPENE	11.959	75	157560	4.01 PPBV	93
46) TOLUENE	12.920	92	273392	3.93 PPBV	99
47) trans-1,3-DICHLOROPROPENE	12.455	75	99737	3.81 PPBV	99
48) 1,1,2-TRICHLOROETHANE	12.636	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 M67318

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 M67318

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

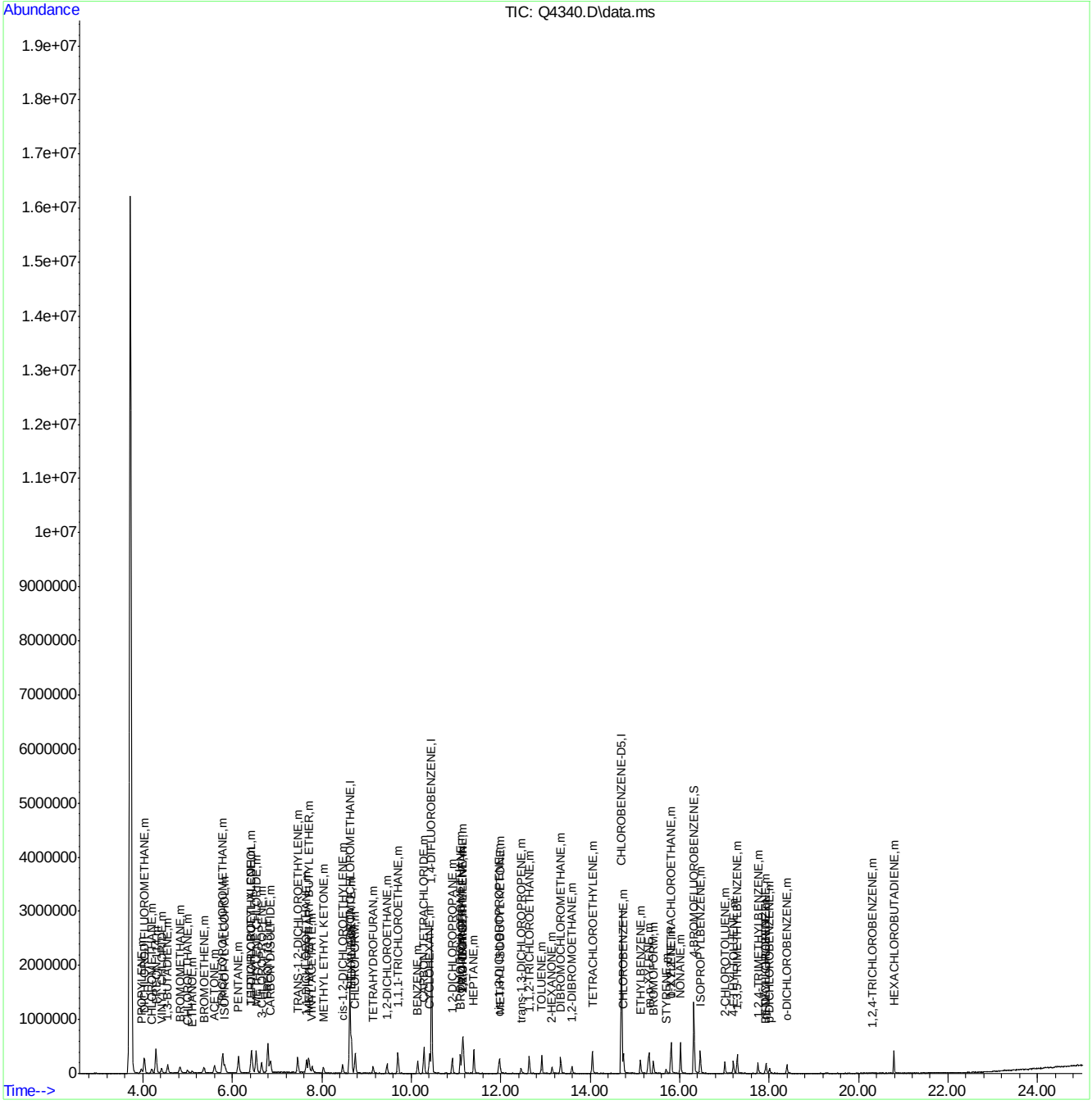
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) METHYL ISOBUTYL KETONE	11.979	43	148271	1.65	PPBV	95
45) cis-1,3-DICHLOROPROPENE	11.957	75	57703	1.35	PPBV	90
46) TOLUENE	12.921	92	96903	1.29	PPBV	95
47) trans-1,3-DICHLOROPROPENE	12.456	75	38256	1.36	PPBV	99
48) 1,1,2-TRICHLOROETHANE	12.641	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

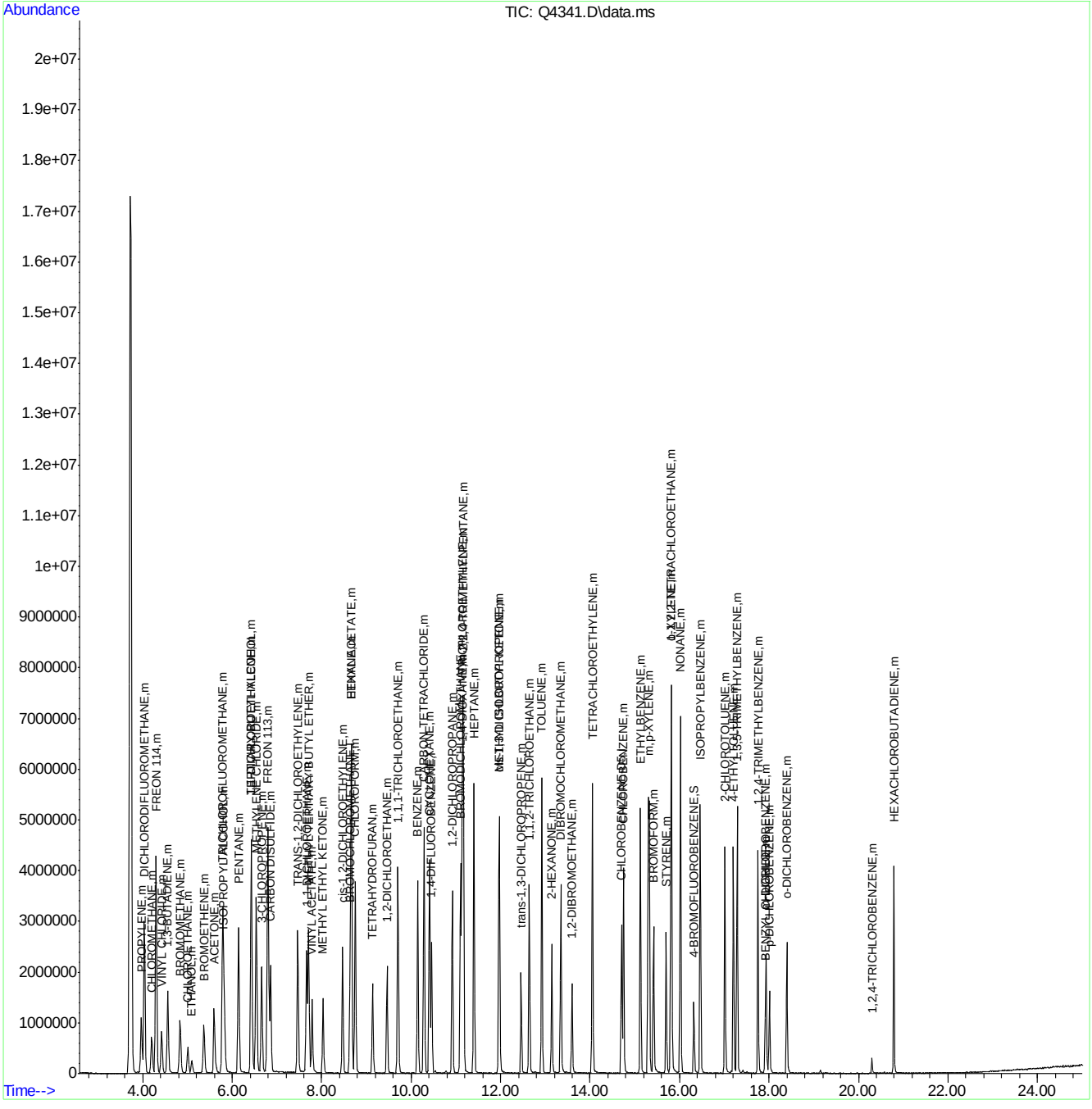
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) METHYL ISOBUTYL KETONE	11.974	43	2308363	19.76	PPBV	99
45) cis-1,3-DICHLOROPROPENE	11.959	75	1142155	20.40	PPBV	93
46) TOLUENE	12.921	92	1813981	19.44	PPBV	99
47) trans-1,3-DICHLOROPROPENE	12.458	75	741504	19.59	PPBV	98
48) 1,1,2-TRICHLOROETHANE	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

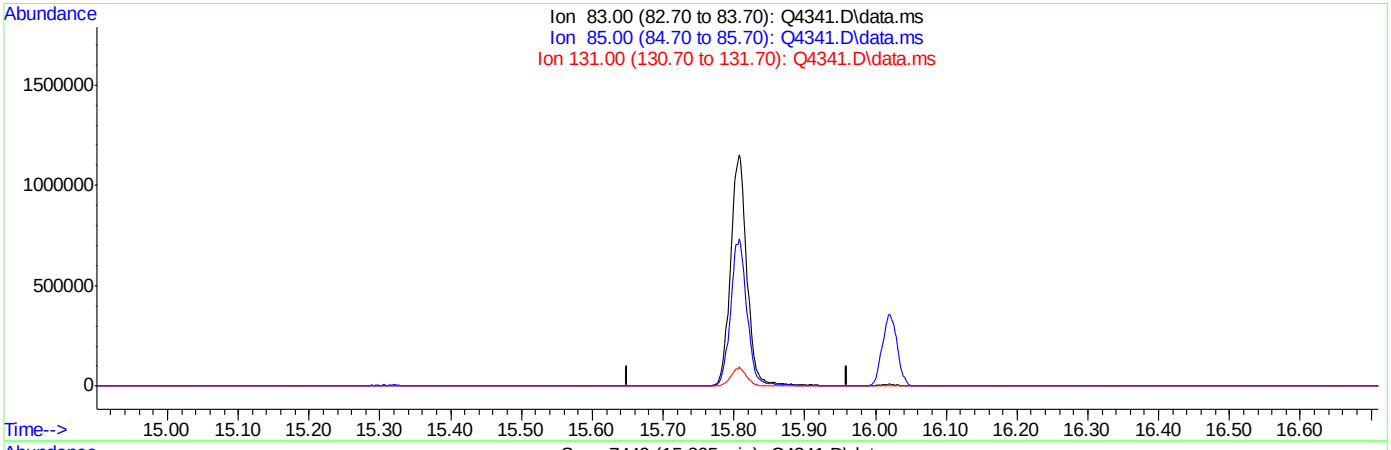


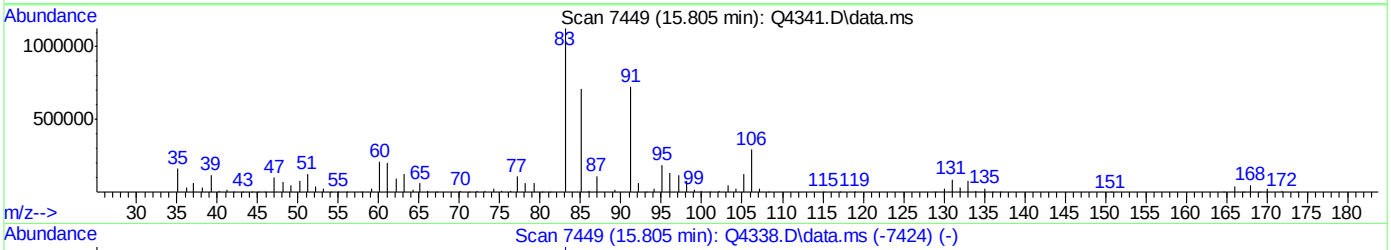
ACCUTEST Laboratories M67318

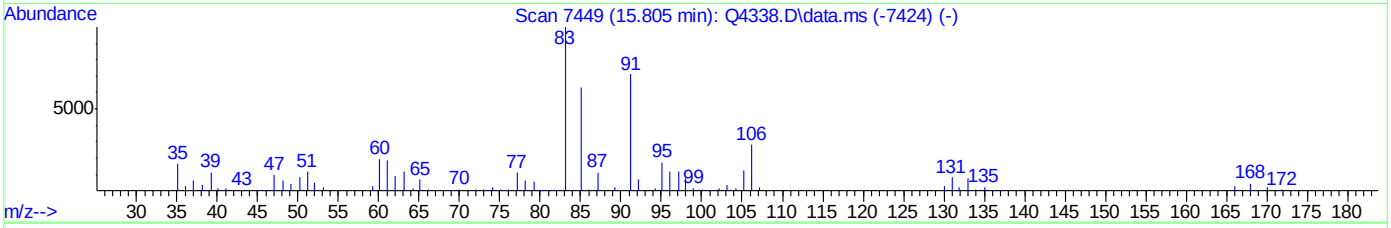
Quantitation Report (Qedit)

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

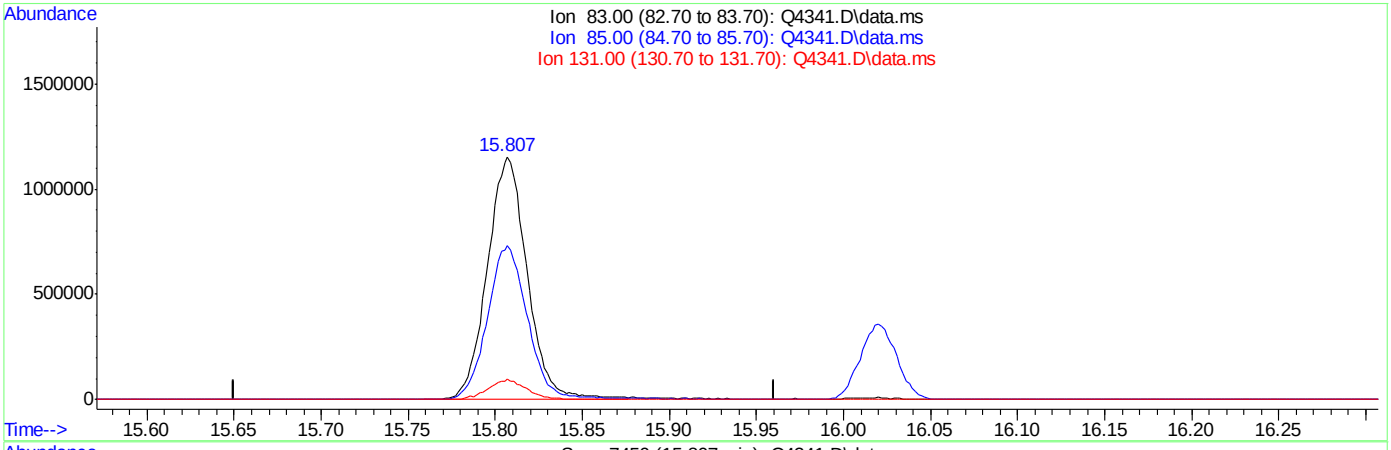
response 0

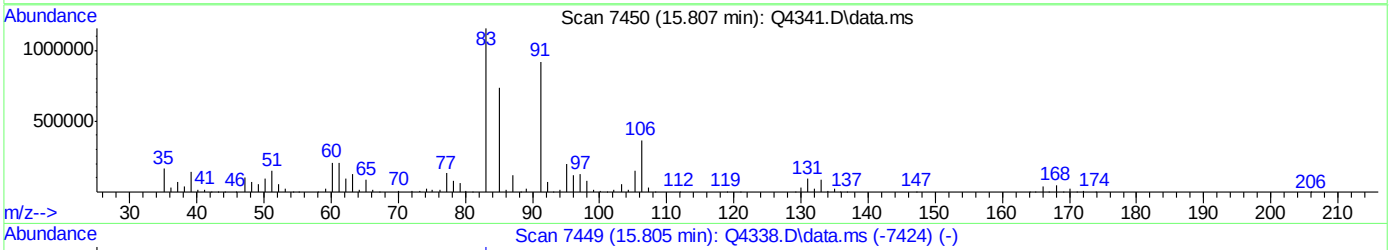
Ion	Exp%	Act%
83.00	100	0.00
85.00	63.70	0.00#
131.00	7.90	0.00
0.00	0.00	0.00

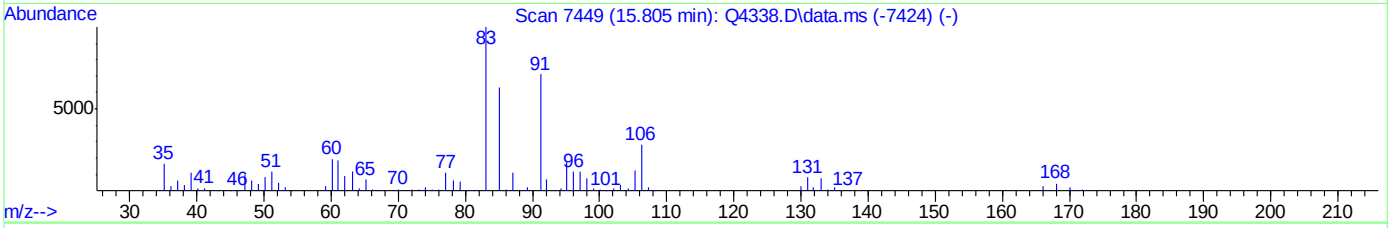
Quantitation Report (Qedit)

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 M67318

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

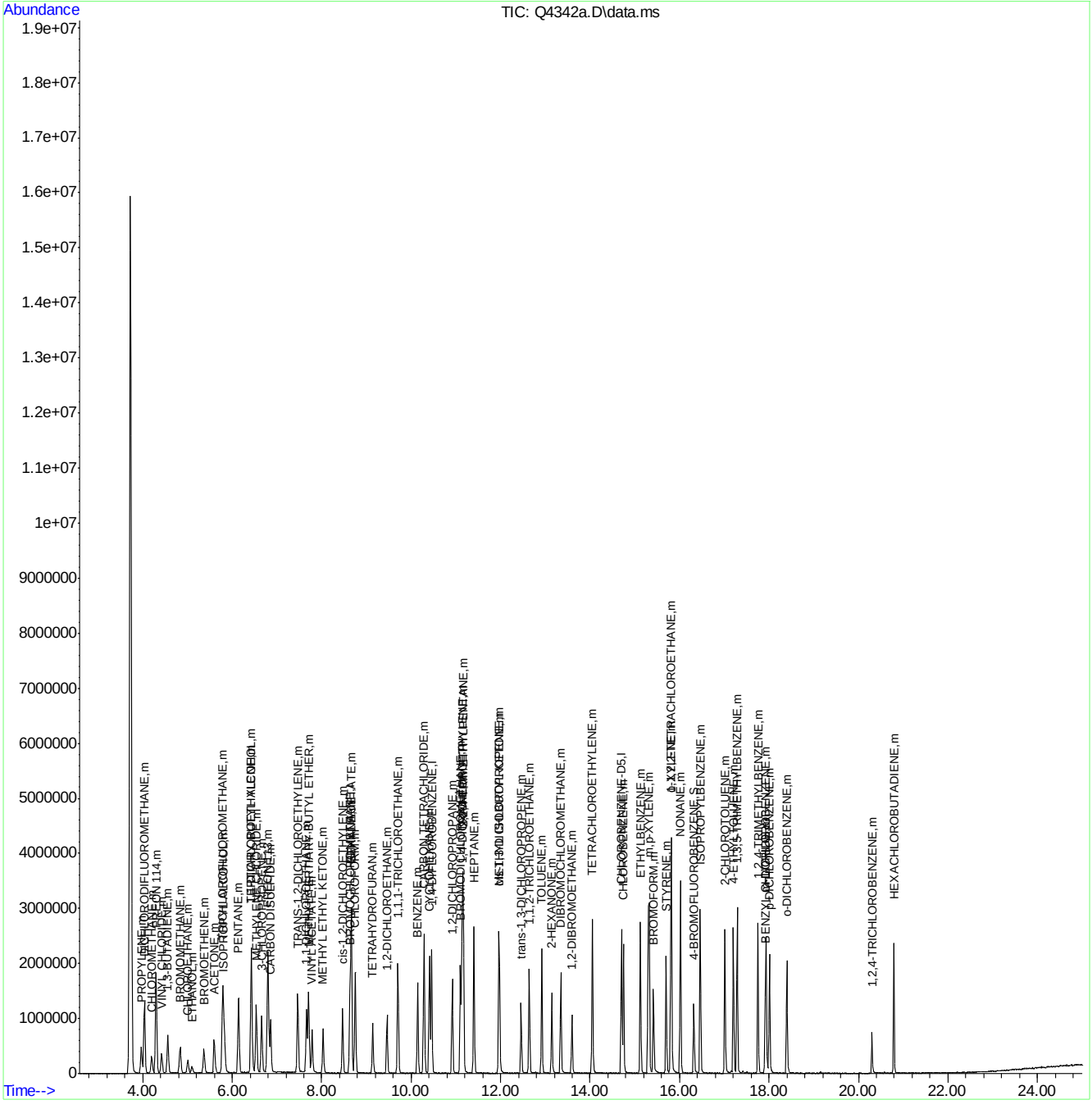
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) METHYL ISOBUTYL KETONE	11.972	43	1162331	12.00	PPBV	100
45) cis-1,3-DICHLOROPROPENE	11.958	75	612581	13.57	PPBV	94
46) TOLUENE	12.918	92	681659	9.90	PPBV	100
47) trans-1,3-DICHLOROPROPENE	12.458	75	456142	15.37	PPBV	99
48) 1,1,2-TRICHLOROETHANE	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



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

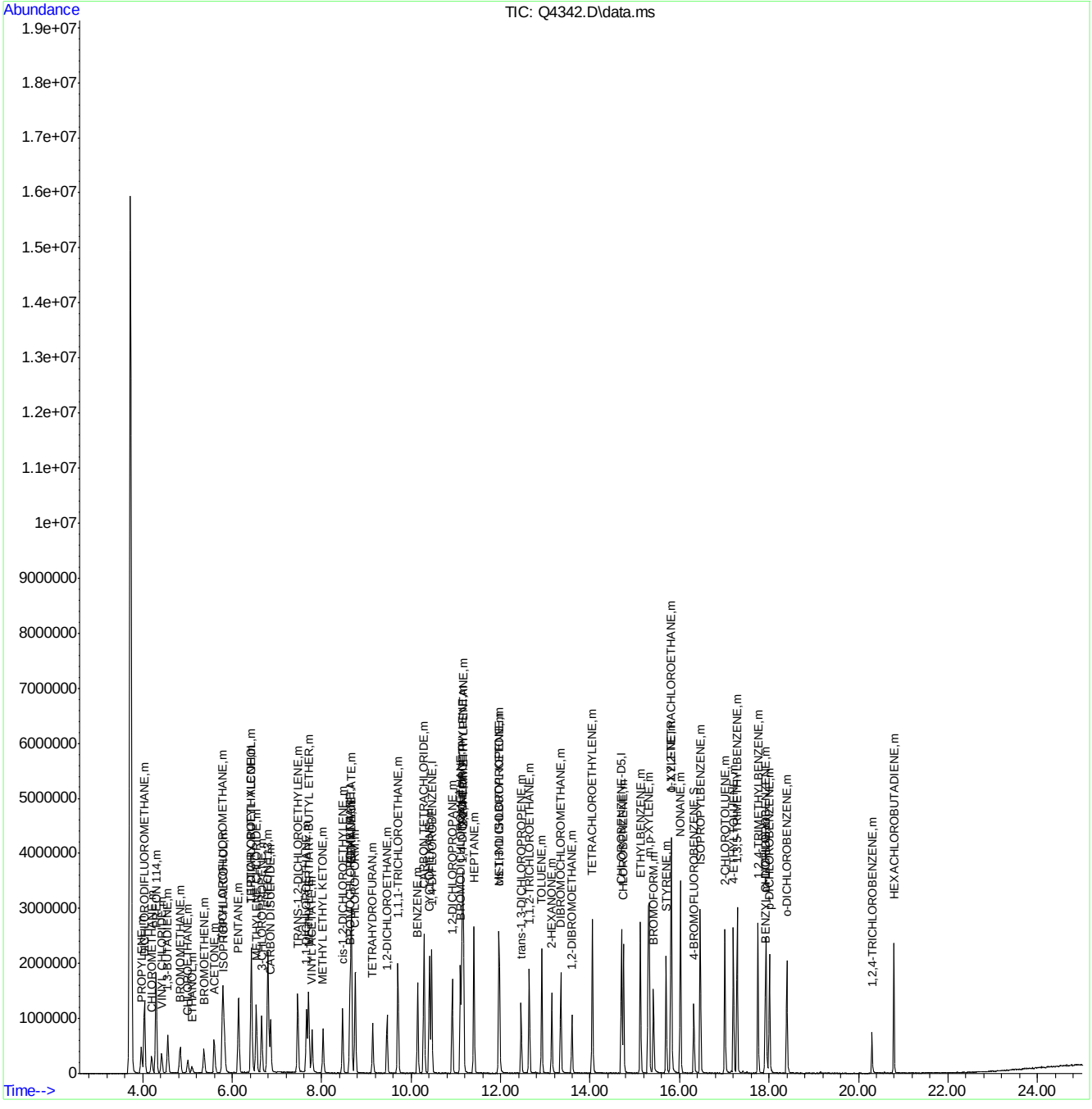
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) METHYL ISOBUTYL KETONE	11.972	43	1162331	12.00	PPBV	100
45) cis-1,3-DICHLOROPROPENE	11.958	75	612581	13.57	PPBV	94
46) TOLUENE	12.918	92	681659	9.90	PPBV	100
47) trans-1,3-DICHLOROPROPENE	12.458	75	456142	15.37	PPBV	99
48) 1,1,2-TRICHLOROETHANE	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

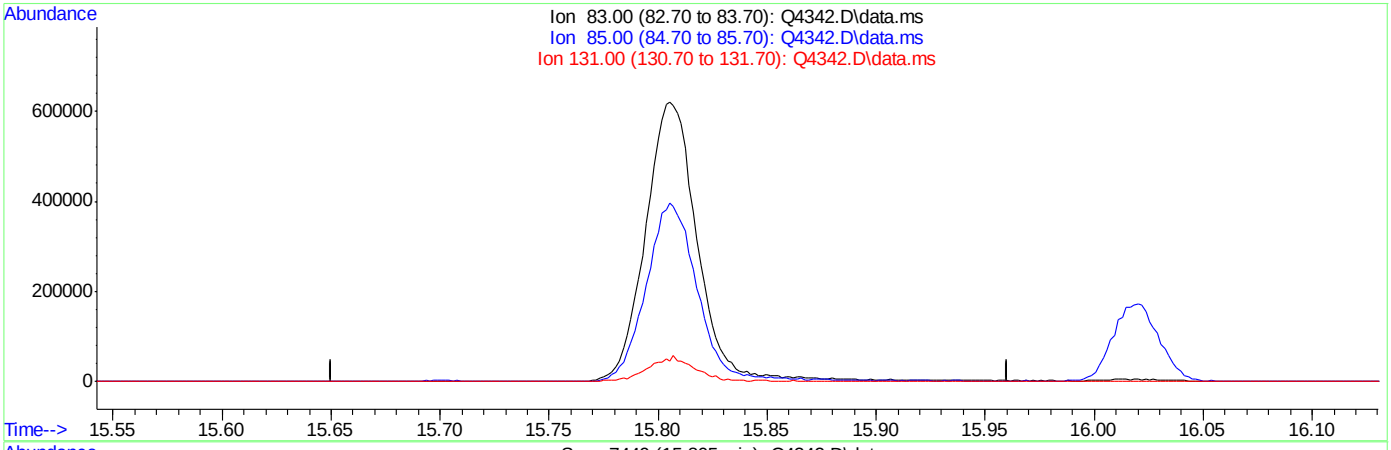


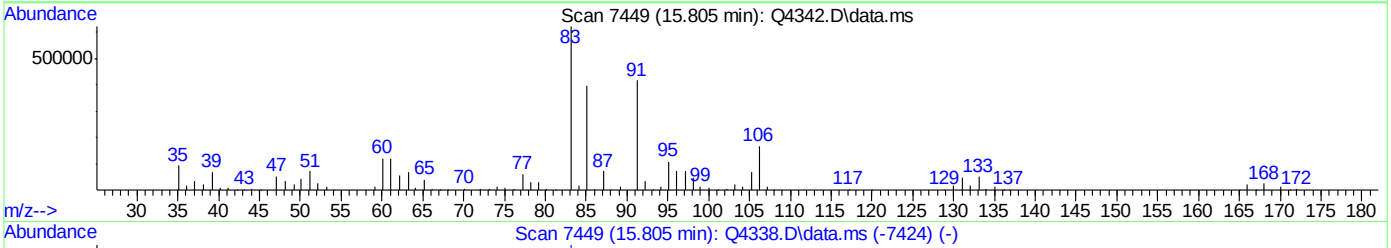
ACCUTEST Laboratories M67318

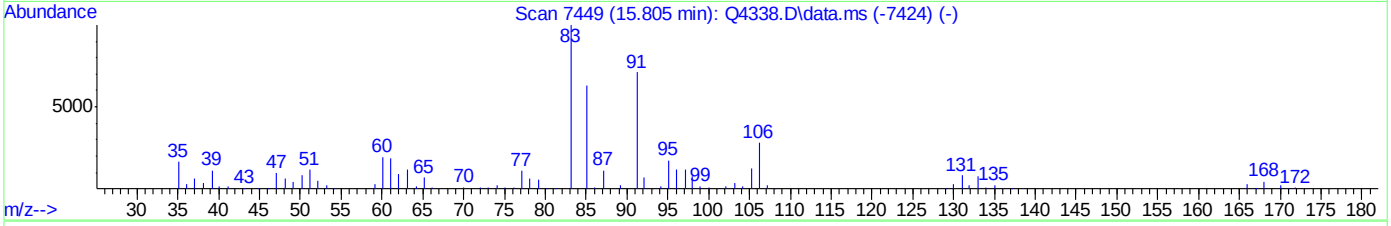
Quantitation Report (Qedit)

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

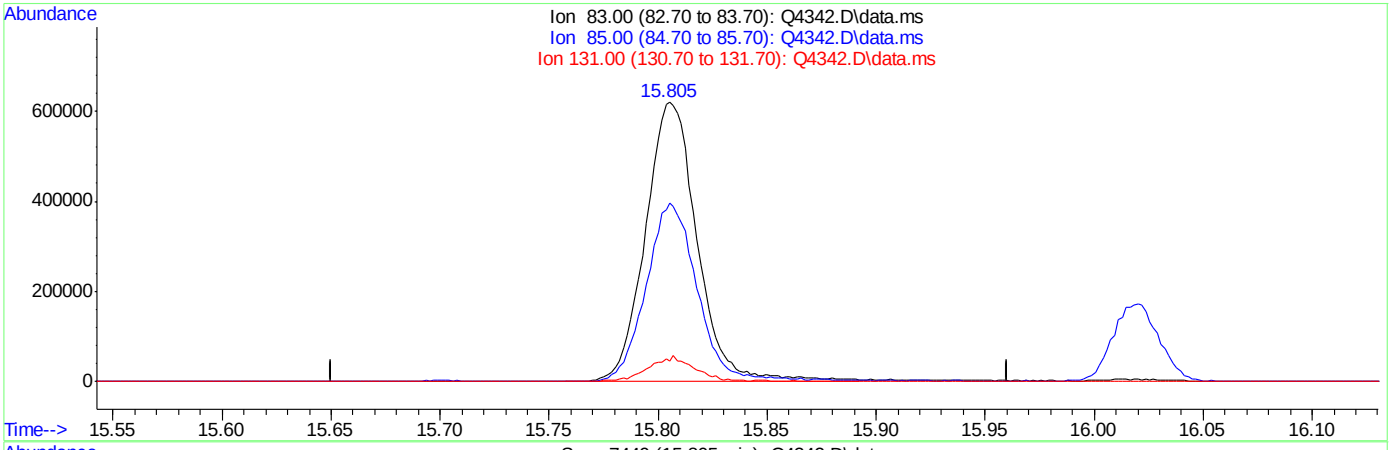
Ion	Exp%	Act%
83.00	100	0.00
85.00	63.70	0.00#
131.00	7.90	0.00
0.00	0.00	0.00

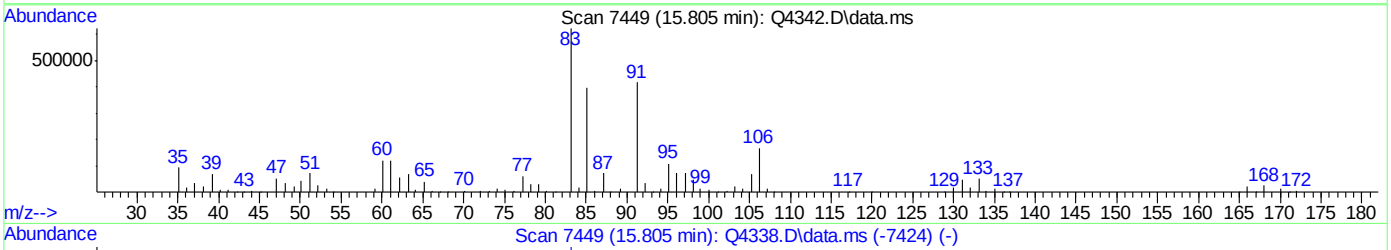
ACCUTEST Laboratories M67318

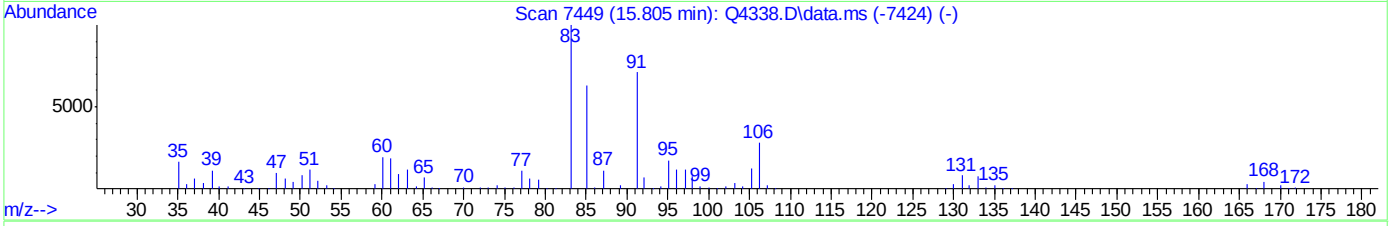
Quantitation Report (Qedit)

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

Manual Integrations APPROVED (compounds with "m" flag)
Philip Bassignani
08/29/07 18:17

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\
Data File : Q4396.D
Acq On : 27 Aug 2007 9:34 am
Operator : danat
Sample : ic232-0.5 (M050)
Misc : MS14080, MSQ232,,,,,1
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Aug 27 10:03:11 2007
Quant Method : C:\msdchem\1\METHODS\Q082707T.m
Quant Title : TO15 by GCMS w/DB-1 60 m X .25 mm ID 1.0 um
QLast Update : Mon Aug 27 10:02:13 2007
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) BROMOCHLOROMETHANE	8.628	128	281767	10.00	PPBV	0.00
35) 1,4-DIFLUOROBENZENE	10.458	114	1282989	10.00	PPBV	0.00
49) CHLOROBENZENE-D5	14.700	117	815656	10.00	PPBV	0.00

System Monitoring Compounds

61) 4-BROMOFLUOROBENZENE	16.320	95	154408	3.10	PPBV	0.00

Spiked Amount 5.000 Range 57 - 139 Recovery = 62.00%

Target Compounds							Qvalue
2) DICHLORODIFLUOROMETHANE	4.037	85	62297	0.67	PPBV		99
3) PROPYLENE	3.966	41	11394	0.50	PPBV	#	81
4) FREON 114	4.290	85	58872	0.68	PPBV		96
5) CHLOROMETHANE	4.202	50	13677	0.57	PPBV		95
6) VINYL CHLORIDE	4.425	62	15511	0.56	PPBV	#	53
7) 1,3-BUTADIENE	4.558	39	12058	0.55	PPBV		84
8) BROMOMETHANE	4.837	94	19000	0.64	PPBV		93
9) CHLOROETHANE	4.995	64	6911	0.58	PPBV		93
10) TRICHLOROFLUOROMETHANE	5.790	101	62042	0.75	PPBV		98
11) ISOPROPYL ALCOHOL	5.843	45	19542	0.49	PPBV		99
12) ACETONE	5.606	43	34181	0.96	PPBV		94
13) PENTANE	6.138	42	14081	0.53	PPBV		86
14) 1,1-DICHLOROETHYLENE	6.417	96	16257	0.58	PPBV	#	1
15) CARBON DISULFIDE	6.851	76	43529	0.62	PPBV		95
16) ETHANOL	5.094	45	1368	0.15	PPBV		85
17) BROMOETHENE	5.361	106	17866	0.63	PPBV	#	97
18) METHYLENE CHLORIDE	6.536	84	40734	1.20	PPBV		89
19) 3-CHLOROPROPENE	6.660	39	5900	0.26	PPBV	#	43
20) FREON 113	6.802	151	39360	0.72	PPBV		95
21) TRANS-1,2-DICHLOROETHY...	7.458	96	14560	0.55	PPBV		95
22) TERTIARY BUTYL ALCOHOL	6.450	59	22503	0.48	PPBV		81
23) METHYL TERTIARY BUTYL ...	7.721	73	25401	0.48	PPBV		91
24) TETRAHYDROFURAN	9.153	42	6606	0.30	PPBV		93
25) HEXANE	8.660	57	26373	0.62	PPBV		91
26) VINYL ACETATE	7.787	43	17975m	0.42	PPBV		
27) 1,1-DICHLOROETHANE	7.655	63	24569	0.58	PPBV		99
28) METHYL ETHYL KETONE	8.044	43	21194	0.48	PPBV		96
29) cis-1,2-DICHLOROETHYLENE	8.466	96	11850	0.48	PPBV	#	87
30) ETHYL ACETATE	8.665	43	34506	0.49	PPBV	#	96
31) CHLOROFORM	8.752	83	34666	0.62	PPBV		100
32) 1,1,1-TRICHLOROETHANE	9.704	97	33314	0.61	PPBV		97
33) CARBON TETRACHLORIDE	10.286	117	40000	0.65	PPBV		99
34) 1,2-DICHLOROETHANE	9.457	62	17459	0.53	PPBV		97
36) BENZENE	10.145	78	30169	0.47	PPBV		99
37) CYCLOHEXANE	10.415	84	13028	0.41	PPBV		87
38) TRICHLOROETHYLENE	11.141	95	18137	0.55	PPBV		98
39) 1,2-DICHLOROPROPANE	10.925	63	11026	0.47	PPBV		93
40) BROMODICHLOROMETHANE	11.102	83	29799	0.58	PPBV		99
41) 2,2,4-TRIMETHYLPENTANE	11.164	57	48392	0.44	PPBV		96
42) 1,4-DIOXANE	11.150	88	5049	0.40	PPBV	#	1
43) HEPTANE	11.406	43	15129	0.36	PPBV		94

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\
Data File : Q4396.D
Acq On : 27 Aug 2007 9:34 am
Operator : danat
Sample : ic232-0.5 (M050)
Misc : MS14080, MSQ232,,,,,1
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Aug 27 10:03:11 2007
Quant Method : C:\msdchem\1\METHODS\Q082707T.m
Quant Title : TO15 by GCMS w/DB-1 60 m X .25 mm ID 1.0 um
QLast Update : Mon Aug 27 10:02:13 2007
Response via : Initial Calibration

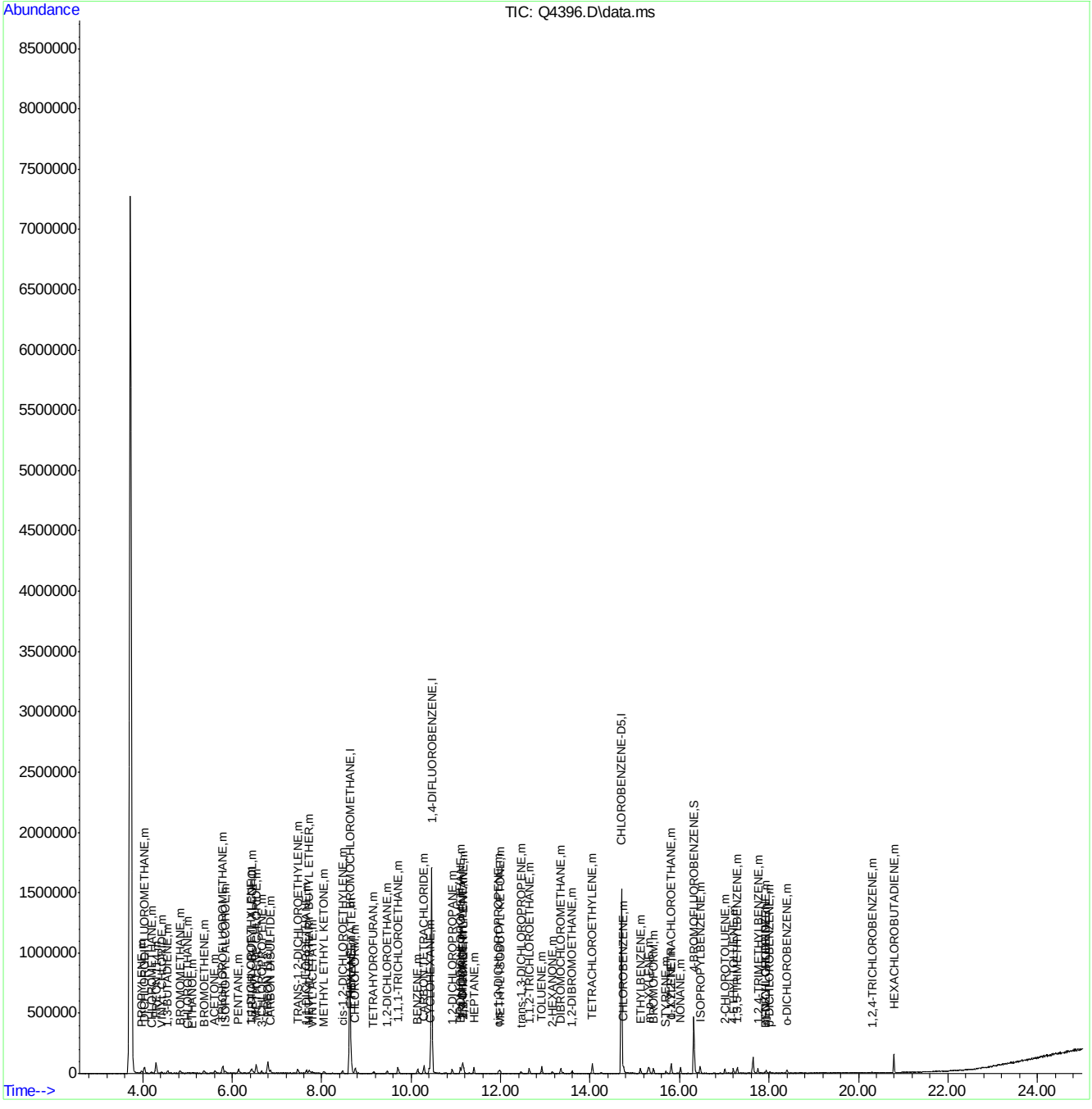
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) METHYL ISOBUTYL KETONE	11.984	43	17583	0.36	PPBV	100
45) cis-1,3-DICHLOROPROPENE	11.957	75	10854	0.34	PPBV #	82
46) TOLUENE	12.916	92	24179	0.52	PPBV	98
47) trans-1,3-DICHLOROPROPENE	12.453	75	8519	0.29	PPBV	98
48) 1,1,2-TRICHLOROETHANE	12.639	83	10336	0.47	PPBV	91
50) 2-HEXANONE	13.150	43	11101	0.33	PPBV	97
51) TETRACHLOROETHYLENE	14.046	164	18204	0.69	PPBV	96
52) DIBROMOCHLOROMETHANE	13.347	129	24639	0.68	PPBV	98
53) 1,2-DIBROMOETHANE	13.592	107	15042	0.52	PPBV	95
54) CHLOROBENZENE	14.746	112	23503	0.54	PPBV	99
55) ETHYLBENZENE	15.125	91	30176	0.44	PPBV	98
56) m,p-XYLENE	15.317	106	22251	0.87	PPBV	90
57) o-XYLENE	15.816	106	11180	0.44	PPBV	98
58) STYRENE	15.697	104	9141	0.25	PPBV	97
59) NONANE	16.020	43	15507	0.38	PPBV	93
60) BROMOFORM	15.409	173	18980	0.61	PPBV #	37
62) 1,1,2,2-TETRACHLOROETHANE	15.809	83	22703	0.60	PPBV	98
63) ISOPROPYLBENZENE	16.464	105	34971	0.47	PPBV	98
64) 2-CHLOROTOLUENE	17.012	91	21671	0.39	PPBV	95
65) 4-ETHYLTOLUENE	17.202	105	23074	0.35	PPBV	100
66) 1,3,5-TRIMETHYLBENZENE	17.287	105	25943	0.43	PPBV	98
67) 1,2,4-TRIMETHYLBENZENE	17.756	105	21336	0.39	PPBV	95
68) m-DICHLOROBENZENE	17.938	146	9662	0.29	PPBV	95
69) BENZYL CHLORIDE	17.908	91	7151	0.21	PPBV	79
70) p-DICHLOROBENZENE	18.013	146	7751	0.24	PPBV	93
71) o-DICHLOROBENZENE	18.395	146	12344	0.39	PPBV	96
72) HEXACHLOROBUTADIENE	20.792	225	23773	1.18	PPBV	95
73) 1,2,4-TRICHLOROBENZENE	20.304	180	1611	0.18	PPBV #	77

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

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\
Data File : Q4396.D
Acq On : 27 Aug 2007 9:34 am
Operator : danat
Sample : ic232-0.5 (M050)
Misc : MS14080, MSQ232,,,,,1
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Aug 27 10:03:11 2007
Quant Method : C:\msdchem\1\METHODS\Q082707T.m
Quant Title : TO15 by GCMS w/DB-1 60 m X .25 mm ID 1.0 um
QLast Update : Mon Aug 27 10:02:13 2007
Response via : Initial Calibration

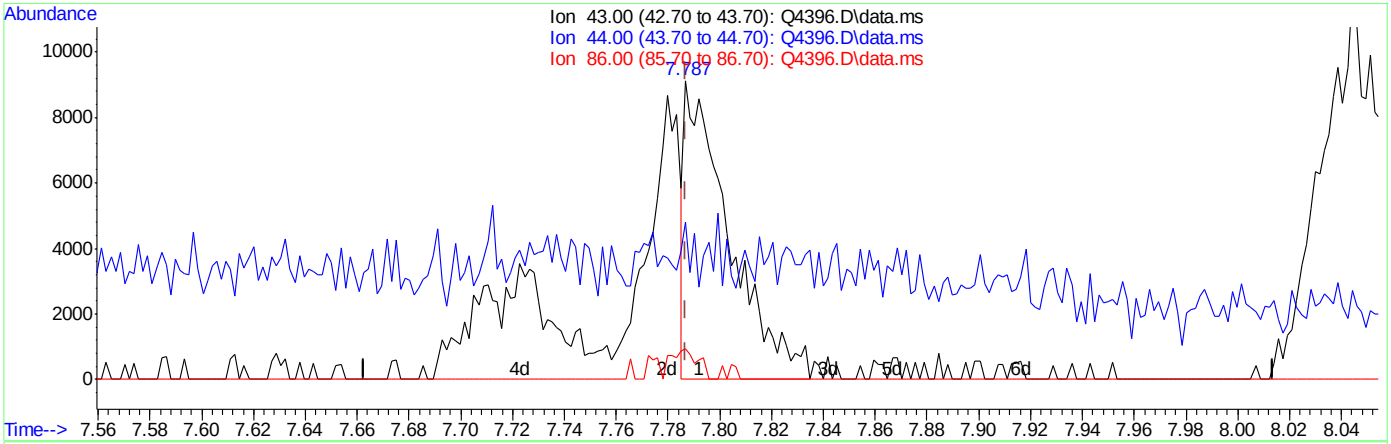


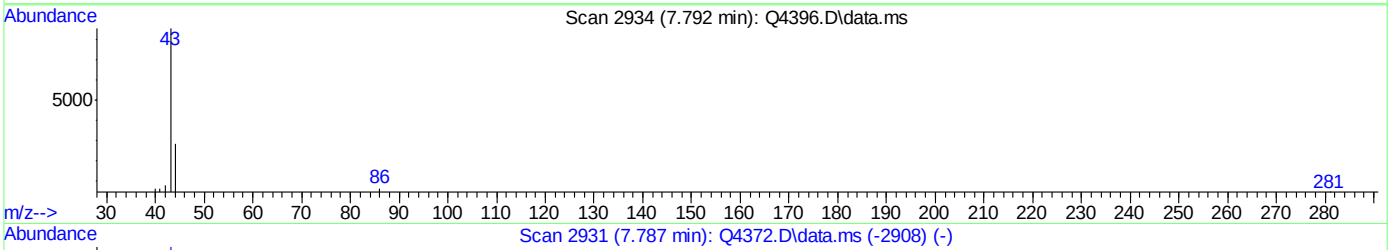
ACCUTEST Laboratories
M67318

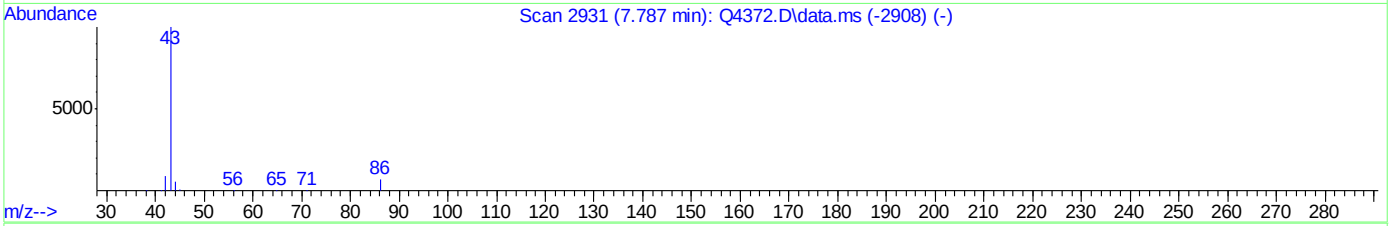
Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\
Data File : Q4396.D
Acq On : 27 Aug 2007 9:34 am
Operator : danat
Sample : ic232-0.5 (M050)
Misc : MS14080, MSQ232,,,,,1
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Aug 27 10:02:24 2007
Quant Method : C:\msdchem\1\METHODS\Q082707T.m
Quant Title : TO15 by GCMS w/DB-1 60 m X .25 mm ID 1.0 um
QLast Update : Mon Aug 27 10:02:13 2007
Response via : Initial Calibration







TIC: Q4396.D\data.ms

(26) VINYL ACETATE (m)

7.792min (+0.005) 0.25PPBV

response 10923

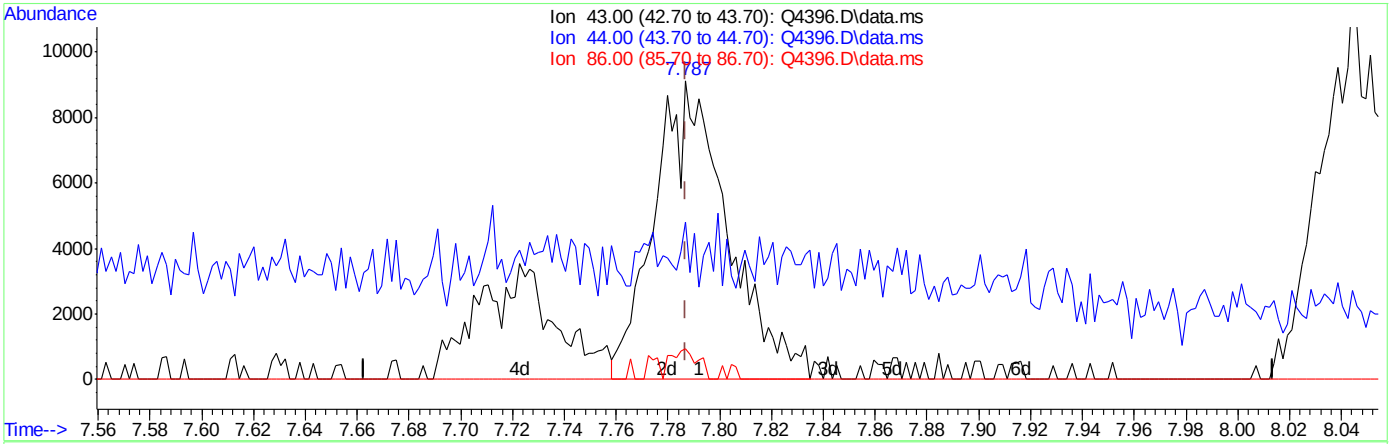
Ion	Exp%	Act%
43.00	100	100
44.00	6.40	25.62
86.00	7.50	8.23
0.00	0.00	0.00

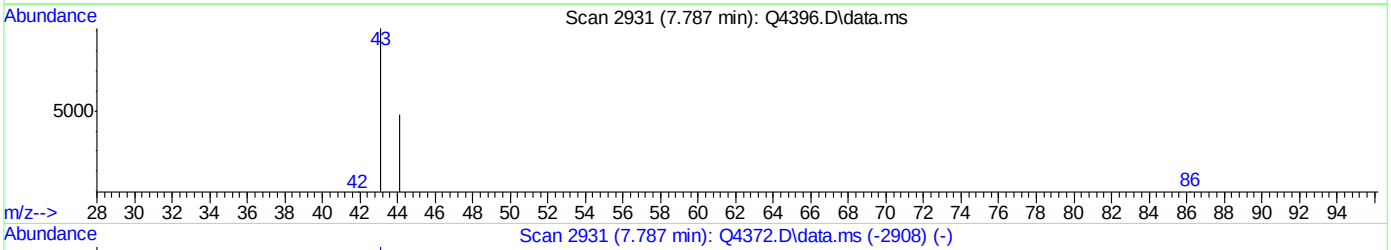
ACCUTEST Laboratories M67318

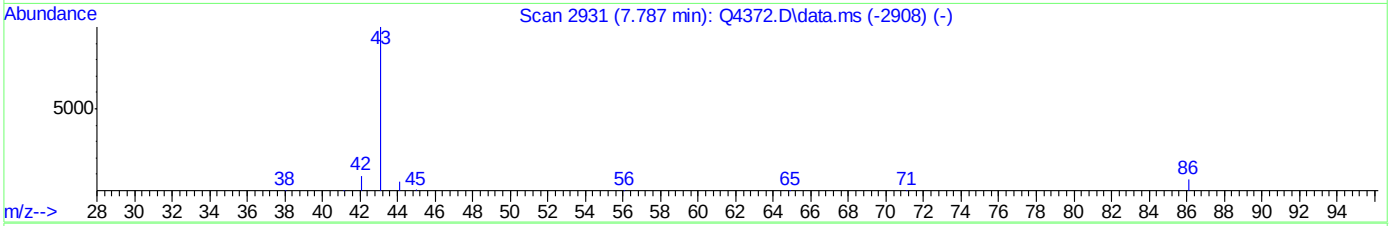
Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\
Data File : Q4396.D
Acq On : 27 Aug 2007 9:34 am
Operator : danat
Sample : ic232-0.5 (M050)
Misc : MS14080, MSQ232,,,,,1
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Aug 27 10:02:24 2007
Quant Method : C:\msdchem\1\METHODS\Q082707T.m
Quant Title : TO15 by GCMS w/DB-1 60 m X .25 mm ID 1.0 um
QLast Update : Mon Aug 27 10:02:13 2007
Response via : Initial Calibration







TIC: Q4396.D\data.ms

(26) VINYL ACETATE (m)

7.787min (-0.000) 0.42PPBV m

response 17975

Ion	Exp%	Act%
43.00	100	100
44.00	6.40	15.57
86.00	7.50	5.00
0.00	0.00	0.00

ACCUTEST Laboratories M67318

Manual Integrations APPROVED (compounds with "m" flag)
Philip Bassignani 08/29/07 18:17

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\
Data File : Q4397.D
Acq On : 27 Aug 2007 10:21 am
Operator : danat
Sample : ic232-0.2 (M050)
Misc : MS14080, MSQ232,,,,,1
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Aug 27 13:23:42 2007
Quant Method : C:\msdchem\1\METHODS\Q082707T.m
Quant Title : TO15 by GCMS w/DB-1 60 m X .25 mm ID 1.0 um
QLast Update : Mon Aug 27 10:02:13 2007
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) BROMOCHLOROMETHANE	8.630	128	280378	10.00	PPBV	0.00
35) 1,4-DIFLUOROBENZENE	10.458	114	1267482	10.00	PPBV	0.00
49) CHLOROBENZENE-D5	14.698	117	814340	10.00	PPBV	0.00

System Monitoring Compounds

61) 4-BROMOFLUOROBENZENE	16.320	95	152909	3.08	PPBV	0.00

Spiked Amount 5.000 Range 57 - 139 Recovery = 61.60%

Target Compounds						Qvalue
2) DICHLORODIFLUOROMETHANE	4.039	85	28196	0.30	PPBV	97
3) PROPYLENE	3.962	41	3973	0.17	PPBV	85
4) FREON 114	4.301	85	26653	0.31	PPBV	95
5) CHLOROMETHANE	4.200	50	5668	0.24	PPBV	93
6) VINYL CHLORIDE	4.426	62	6809	0.25	PPBV	80
7) 1,3-BUTADIENE	4.562	39	4981	0.23	PPBV	84
8) BROMOMETHANE	4.825	94	7820	0.26	PPBV #	12
9) CHLOROETHANE	5.009	64	2524m	0.21	PPBV	
10) TRICHLOROFLUOROMETHANE	5.783	101	27867	0.34	PPBV	98
11) ISOPROPYL ALCOHOL	5.852	45	6603	0.16	PPBV	73
12) ACETONE	5.616	43	9849	0.28	PPBV	82
13) PENTANE	6.136	42	6343	0.24	PPBV	94
14) 1,1-DICHLOROETHYLENE	6.424	96	7276	0.26	PPBV	97
15) CARBON DISULFIDE	6.861	76	19566	0.28	PPBV #	77
16) ETHANOL	5.098	45	1254m	0.14	PPBV	
17) BROMOETHENE	5.361	106	6765	0.24	PPBV #	94
18) METHYLENE CHLORIDE	6.541	84	19597	0.58	PPBV	89
19) 3-CHLOROPROPENE	6.655	39	4326	0.19	PPBV #	51
20) FREON 113	6.797	151	16232	0.30	PPBV	95
21) TRANS-1,2-DICHLOROETHY...	7.459	96	6576	0.25	PPBV	94
22) TERTIARY BUTYL ALCOHOL	6.465	59	7536	0.16	PPBV #	69
23) METHYL TERTIARY BUTYL ...	7.727	73	9726	0.18	PPBV	97
24) TETRAHYDROFURAN	9.164	42	2237	0.10	PPBV #	67
25) HEXANE	8.664	57	10080	0.24	PPBV	82
26) VINYL ACETATE	7.785	43	6627	0.15	PPBV #	54
27) 1,1-DICHLOROETHANE	7.664	63	8546	0.20	PPBV	88
28) METHYL ETHYL KETONE	8.046	43	6764	0.15	PPBV	89
29) cis-1,2-DICHLOROETHYLENE	8.470	96	3893	0.16	PPBV	96
30) ETHYL ACETATE	8.671	43	13055	0.19	PPBV #	95
31) CHLOROFORM	8.754	83	12878	0.23	PPBV	98
32) 1,1,1-TRICHLOROETHANE	9.705	97	12907	0.24	PPBV #	79
33) CARBON TETRACHLORIDE	10.284	117	16602	0.27	PPBV	99
34) 1,2-DICHLOROETHANE	9.466	62	6438	0.20	PPBV #	94
36) BENZENE	10.147	78	10091	0.16	PPBV	92
37) CYCLOHEXANE	10.410	84	4724	0.15	PPBV	86
38) TRICHLOROETHYLENE	11.141	95	6356	0.20	PPBV	96
39) 1,2-DICHLOROPROPANE	10.919	63	3698	0.16	PPBV	88
40) BROMODICHLOROMETHANE	11.104	83	10823	0.21	PPBV	98
41) 2,2,4-TRIMETHYLPENTANE	11.166	57	15728	0.14	PPBV	91
42) 1,4-DIOXANE	11.161	88	1555m	0.12	PPBV	
43) HEPTANE	11.399	43	5327	0.13	PPBV	97

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\
Data File : Q4397.D
Acq On : 27 Aug 2007 10:21 am
Operator : danat
Sample : ic232-0.2 (M050)
Misc : MS14080, MSQ232,,,,,1
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Aug 27 13:23:42 2007
Quant Method : C:\msdchem\1\METHODS\Q082707T.m
Quant Title : TO15 by GCMS w/DB-1 60 m X .25 mm ID 1.0 um
QLast Update : Mon Aug 27 10:02:13 2007
Response via : Initial Calibration

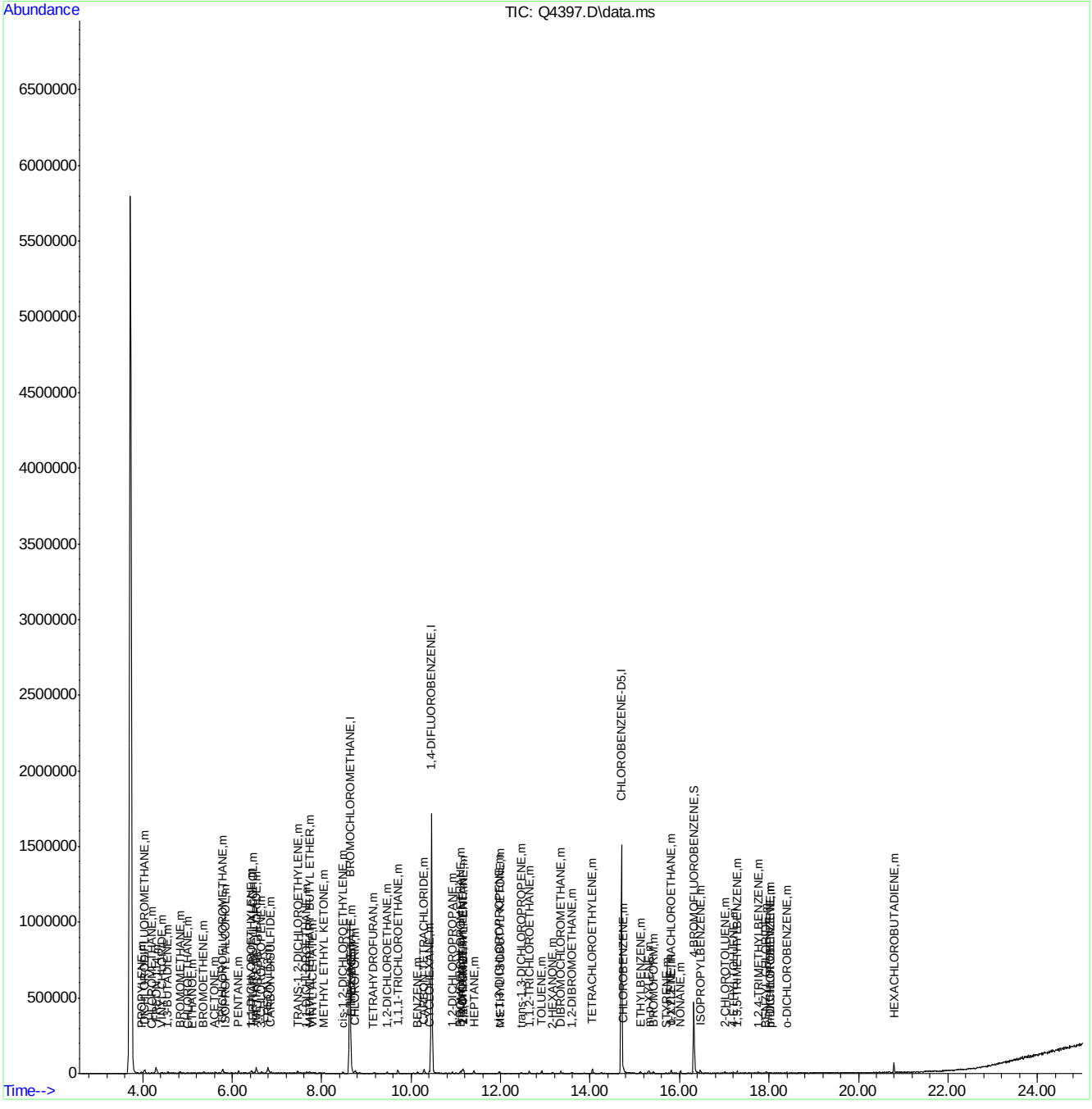
Internal Standards	R.T.	QIon	Response	Conc Units	Dev(Min)
44) METHYL ISOBUTYL KETONE	11.990	43	5434	0.11 PPBV	91
45) cis-1,3-DICHLOROPROPENE	11.959	75	4096	0.13 PPBV #	75
46) TOLUENE	12.920	92	7661	0.17 PPBV	98
47) trans-1,3-DICHLOROPROPENE	12.460	75	2821	0.10 PPBV #	68
48) 1,1,2-TRICHLOROETHANE	12.641	83	3401	0.16 PPBV	88
50) 2-HEXANONE	13.166	43	3544	0.10 PPBV #	82
51) TETRACHLOROETHYLENE	14.054	164	6885	0.26 PPBV	92
52) DIBROMOCHLOROMETHANE	13.344	129	9201	0.26 PPBV	94
53) 1,2-DIBROMOETHANE	13.598	107	5624	0.19 PPBV #	99
54) CHLOROBENZENE	14.744	112	8593	0.20 PPBV	98
55) ETHYLBENZENE	15.122	91	9861	0.14 PPBV	97
56) m,p-XYLENE	15.308	106	7027	0.28 PPBV #	64
57) o-XYLENE	15.812	106	3509	0.14 PPBV	91
58) STYRENE	15.699	104	2423	0.07 PPBV #	69
59) NONANE	16.020	43	4310	0.11 PPBV #	81
60) BROMOFORM	15.415	173	6583	0.21 PPBV	89
62) 1,1,2,2-TETRACHLOROETHANE	15.804	83	8387	0.22 PPBV	93
63) ISOPROPYLBENZENE	16.464	105	12611	0.17 PPBV	98
64) 2-CHLOROTOLUENE	17.012	91	6934	0.13 PPBV	95
65) 4-ETHYLTOLUENE	17.200	105	7002	0.11 PPBV	77
66) 1,3,5-TRIMETHYLBENZENE	17.287	105	7981	0.13 PPBV	94
67) 1,2,4-TRIMETHYLBENZENE	17.749	105	5918	0.11 PPBV	94
68) m-DICHLOROBENZENE	18.013	146	2346	0.07 PPBV	85
69) BENZYL CHLORIDE	17.917	91	1557	0.05 PPBV #	62
70) p-DICHLOROBENZENE	18.013	146	2392	0.07 PPBV	84
71) o-DICHLOROBENZENE	18.400	146	4126	0.13 PPBV	90
72) HEXACHLOROBUTADIENE	20.792	225	10128	0.50 PPBV	93

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

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\
Data File : Q4397.D
Acq On : 27 Aug 2007 10:21 am
Operator : danat
Sample : ic232-0.2 (M050)
Misc : MS14080, MSQ232,,,,,1
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Aug 27 13:23:42 2007
Quant Method : C:\msdchem\1\METHODS\Q082707T.m
Quant Title : TO15 by GCMS w/DB-1 60 m X .25 mm ID 1.0 um
QLast Update : Mon Aug 27 10:02:13 2007
Response via : Initial Calibration

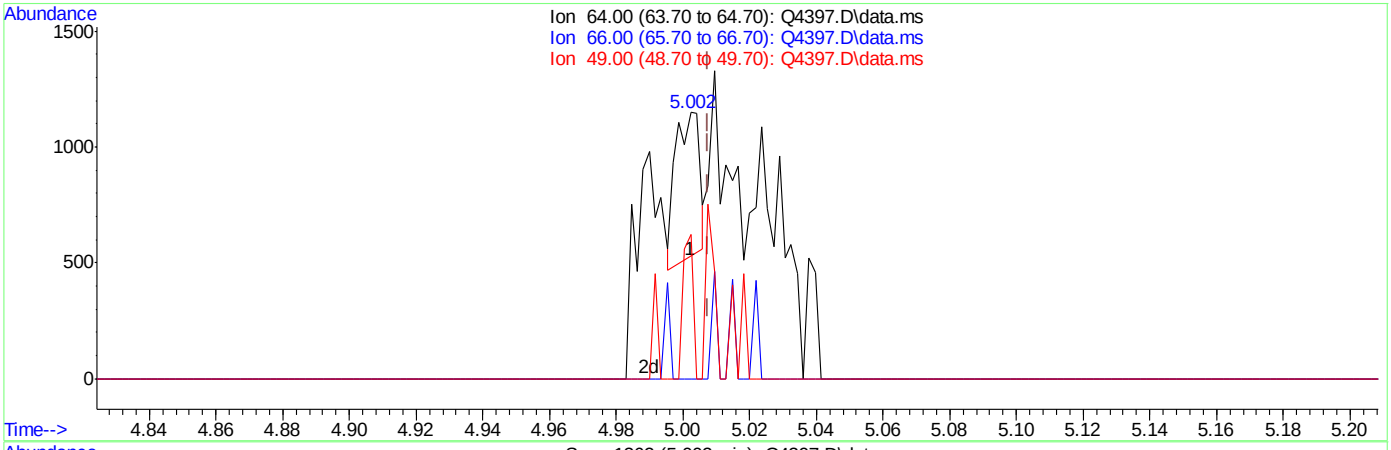


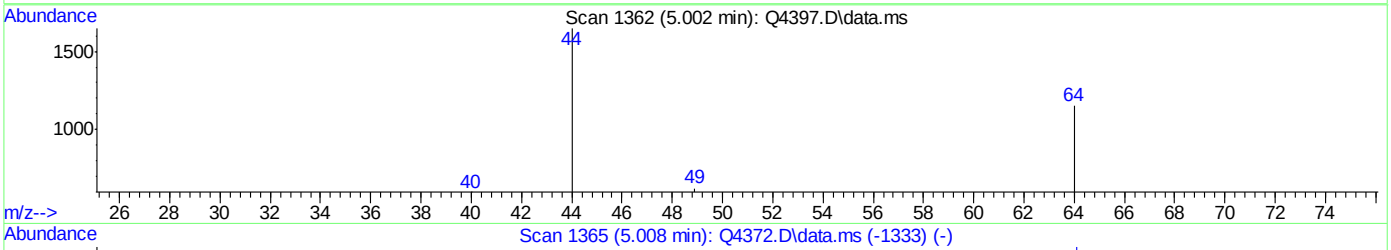
ACCUTEST Laboratories M67318

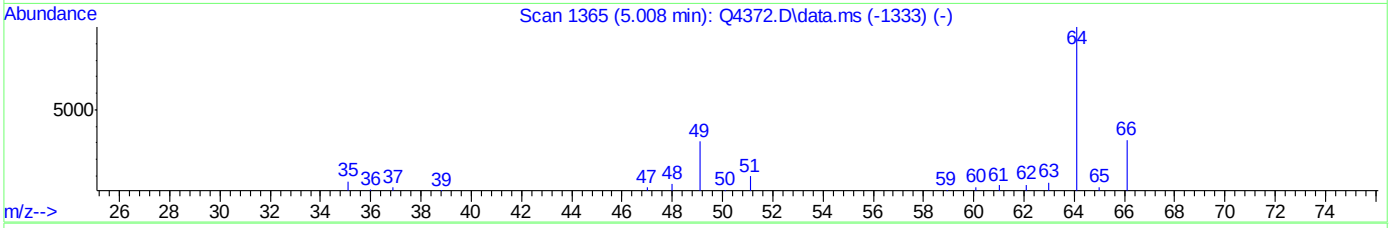
Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\
Data File : Q4397.D
Acq On : 27 Aug 2007 10:21 am
Operator : danat
Sample : ic232-0.2 (M050)
Misc : MS14080, MSQ232,,,,,1
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Aug 27 12:22:58 2007
Quant Method : C:\msdchem\1\METHODS\Q082707T.m
Quant Title : TO15 by GCMS w/DB-1 60 m X .25 mm ID 1.0 um
QLast Update : Mon Aug 27 10:02:13 2007
Response via : Initial Calibration







TIC: Q4397.D\data.ms

(9) CHLOROETHANE (m)

5.002min (-0.005) 0.03PPBV

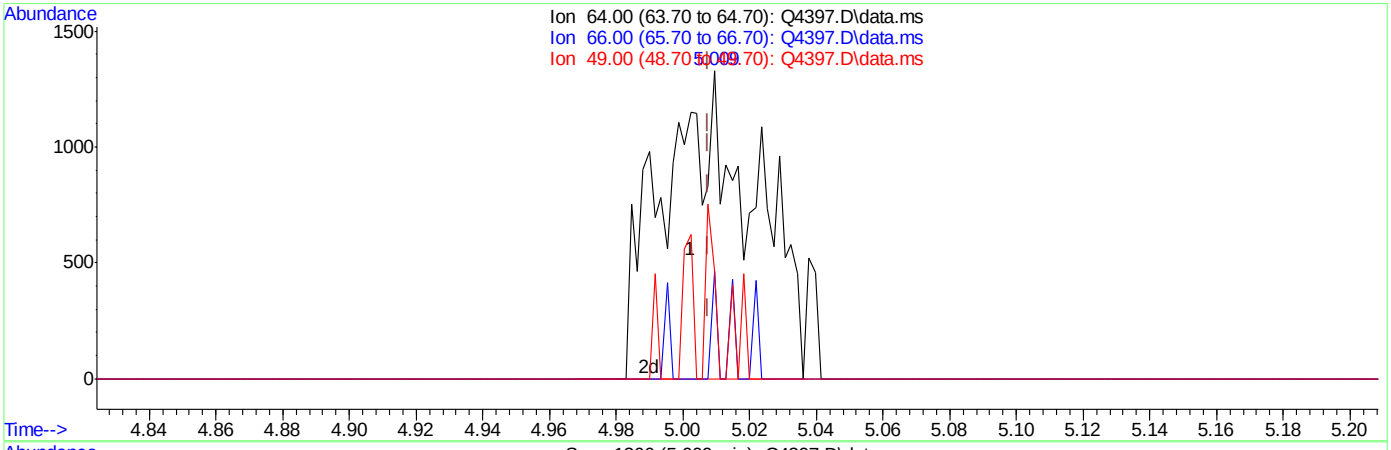
response 320

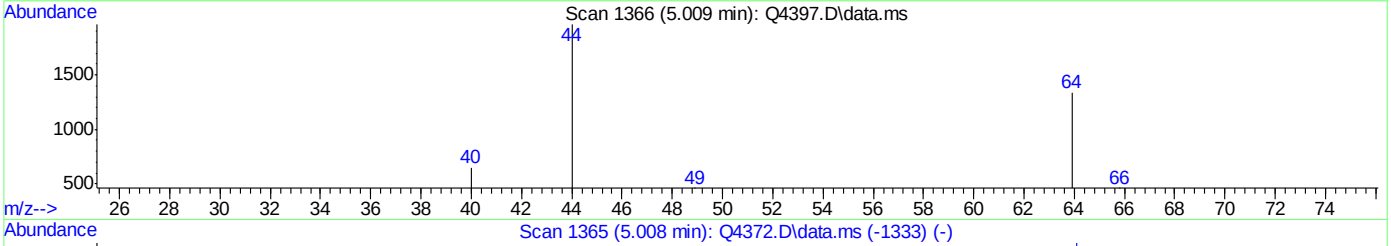
Ion	Exp%	Act%
64.00	100	100
66.00	31.80	29.69
49.00	29.00	93.13#
0.00	0.00	0.00

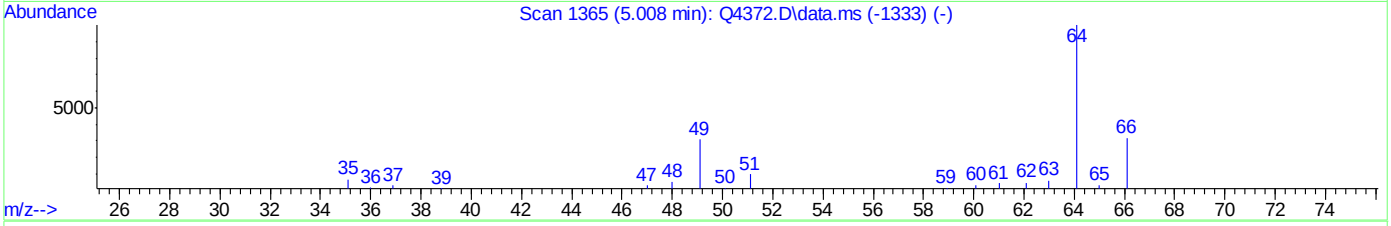
Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\
Data File : Q4397.D
Acq On : 27 Aug 2007 10:21 am
Operator : danat
Sample : ic232-0.2 (M050)
Misc : MS14080, MSQ232,,,,,1
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Aug 27 12:22:58 2007
Quant Method : C:\msdchem\1\METHODS\Q082707T.m
Quant Title : TO15 by GCMS w/DB-1 60 m X .25 mm ID 1.0 um
QLast Update : Mon Aug 27 10:02:13 2007
Response via : Initial Calibration







TIC: Q4397.D\data.ms

(9) CHLOROETHANE (m)

5.009min (+0.002) 0.21PPBV m

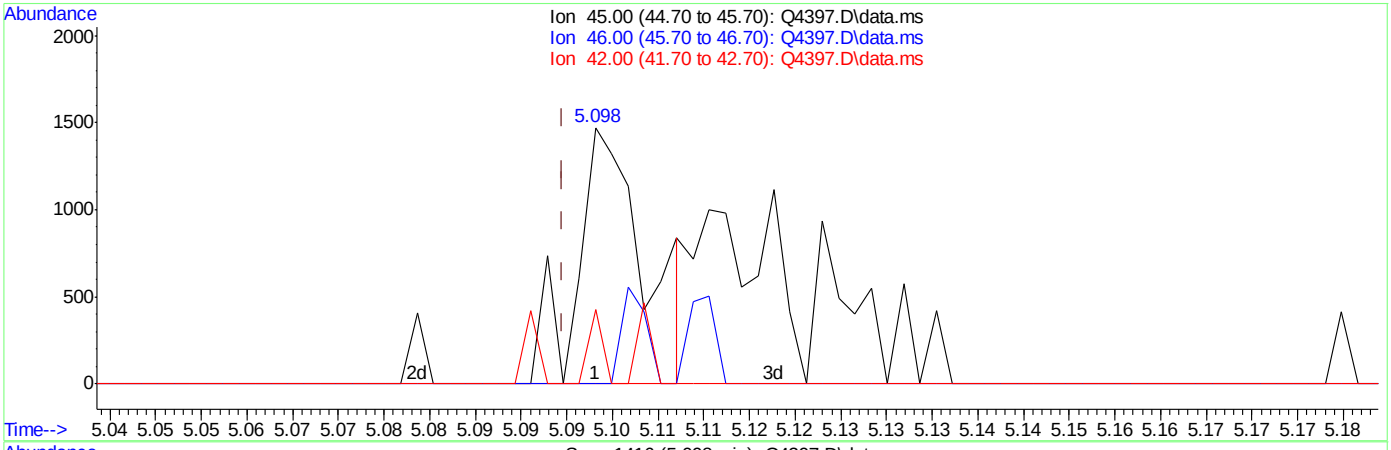
response 2524

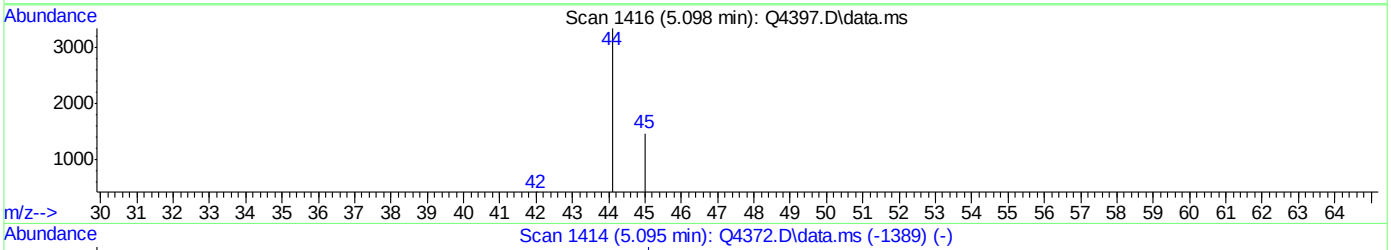
Ion	Exp%	Act%
64.00	100	100
66.00	31.80	3.76#
49.00	29.00	11.81
0.00	0.00	0.00

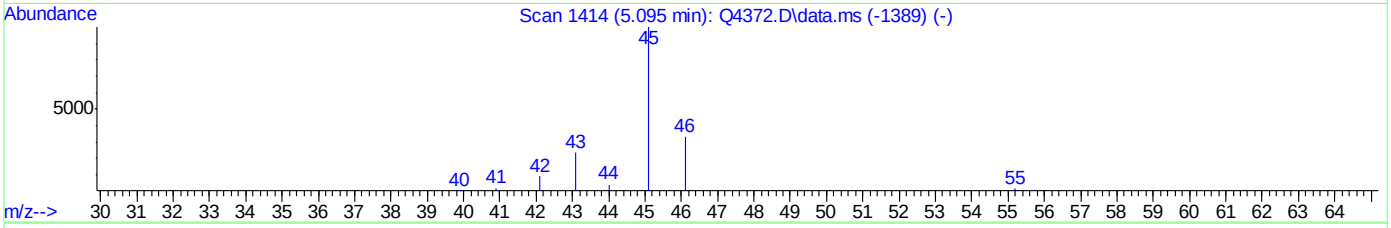
Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\
Data File : Q4397.D
Acq On : 27 Aug 2007 10:21 am
Operator : danat
Sample : ic232-0.2 (M050)
Misc : MS14080, MSQ232,,,,,1
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Aug 27 12:22:58 2007
Quant Method : C:\msdchem\1\METHODS\Q082707T.m
Quant Title : TO15 by GCMS w/DB-1 60 m X .25 mm ID 1.0 um
QLast Update : Mon Aug 27 10:02:13 2007
Response via : Initial Calibration







TIC: Q4397.D\data.ms

(16) ETHANOL (m)

5.098min (+0.004) 0.08PPBV

response 757

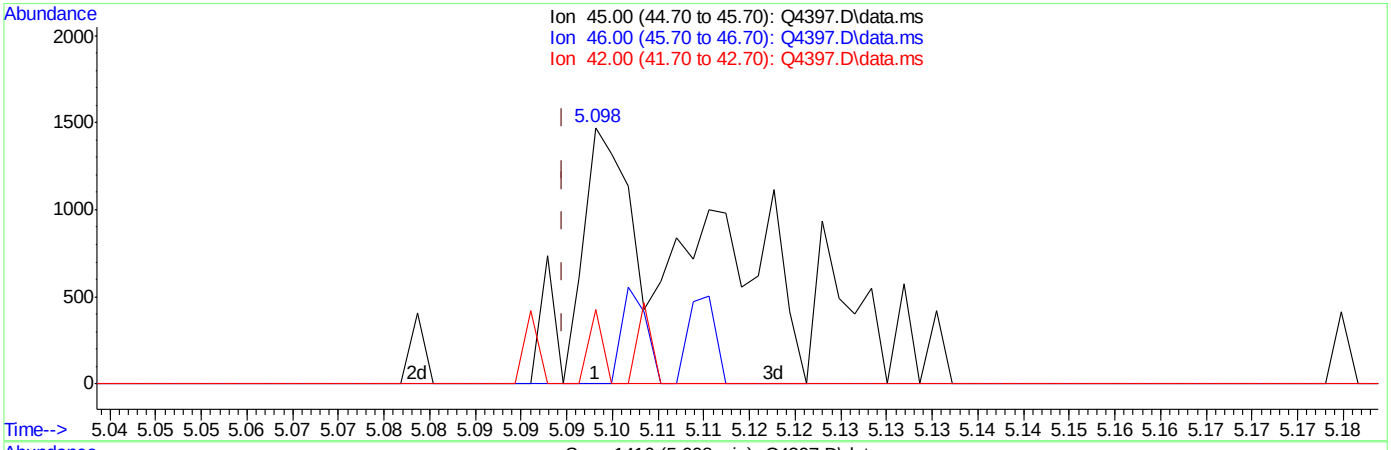
Ion	Exp%	Act%
45.00	100	100
46.00	33.40	13.61
42.00	8.70	12.55
0.00	0.00	0.00

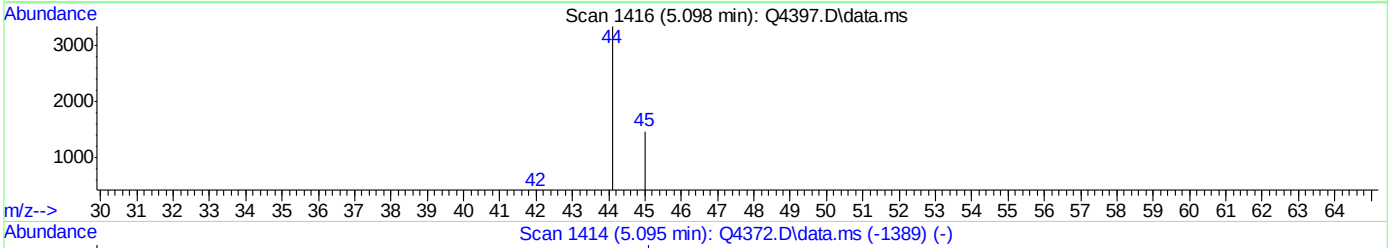
ACCUTEST Laboratories M67318

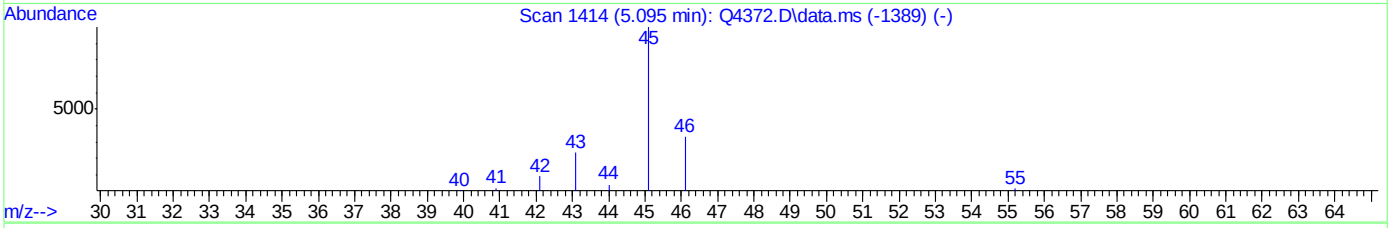
Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\
Data File : Q4397.D
Acq On : 27 Aug 2007 10:21 am
Operator : danat
Sample : ic232-0.2 (M050)
Misc : MS14080, MSQ232,,,,,1
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Aug 27 12:22:58 2007
Quant Method : C:\msdchem\1\METHODS\Q082707T.m
Quant Title : TO15 by GCMS w/DB-1 60 m X .25 mm ID 1.0 um
QLast Update : Mon Aug 27 10:02:13 2007
Response via : Initial Calibration







TIC: Q4397.D\data.ms

(16) ETHANOL (m)

5.098min (+0.004) 0.14PPBV m

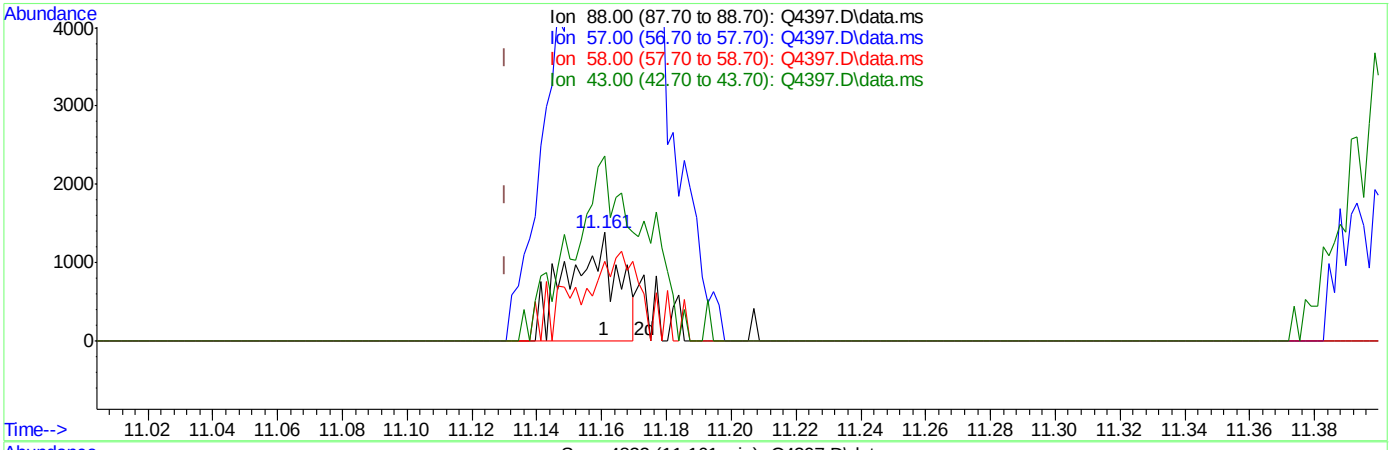
response 1254

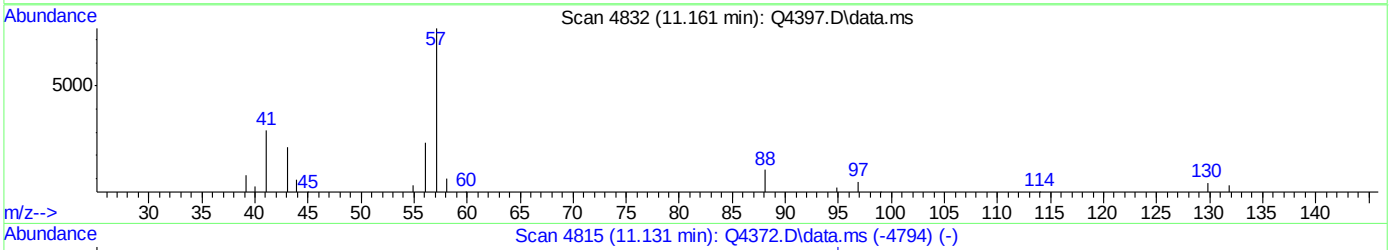
Ion	Exp%	Act%
45.00	100	100
46.00	33.40	8.21#
42.00	8.70	7.58
0.00	0.00	0.00

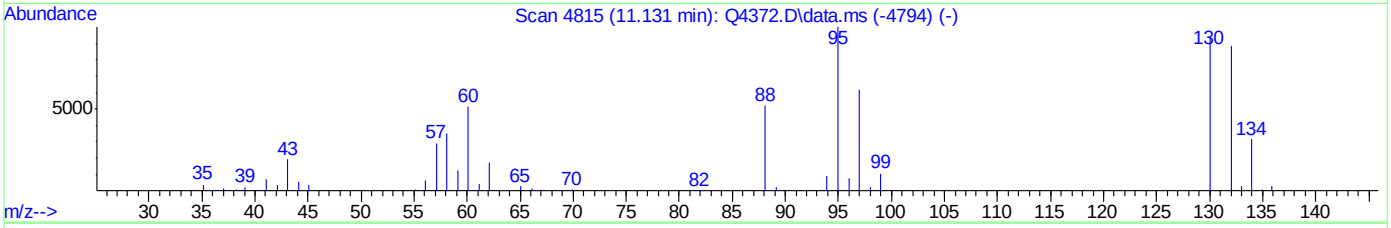
Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\
Data File : Q4397.D
Acq On : 27 Aug 2007 10:21 am
Operator : danat
Sample : ic232-0.2 (M050)
Misc : MS14080, MSQ232,,,,,1
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Aug 27 12:22:58 2007
Quant Method : C:\msdchem\1\METHODS\Q082707T.m
Quant Title : TO15 by GCMS w/DB-1 60 m X .25 mm ID 1.0 um
QLast Update : Mon Aug 27 10:02:13 2007
Response via : Initial Calibration







TIC: Q4397.D\data.ms

(42) 1,4-DIOXANE (m)

11.161min (+0.030) 0.12PPBV

response 1470

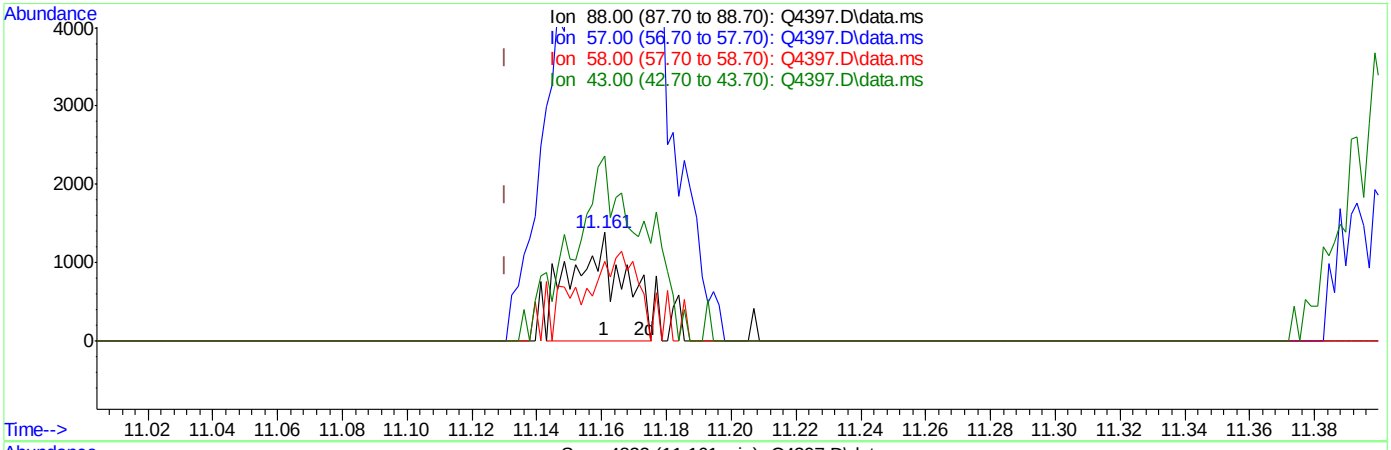
Ion	Exp%	Act%
88.00	100	100
57.00	55.60	539.49#
58.00	67.10	73.14
43.00	36.80	170.18#

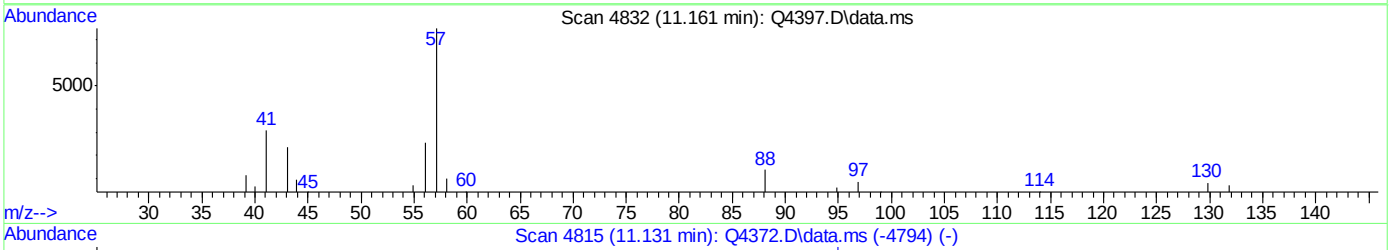
ACCUTEST Laboratories M67318

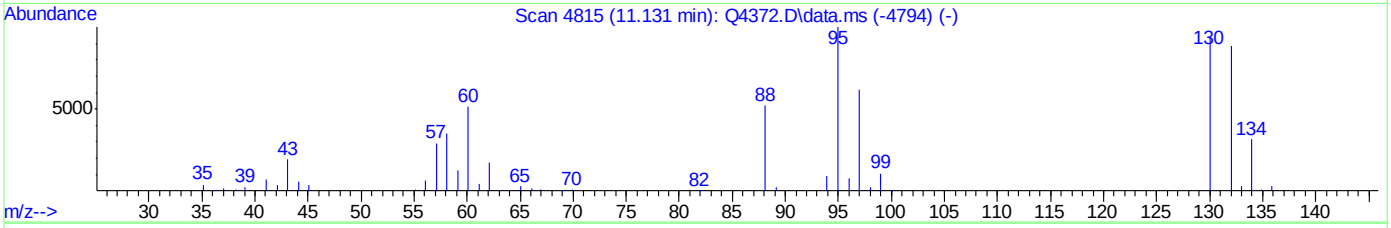
Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\
Data File : Q4397.D
Acq On : 27 Aug 2007 10:21 am
Operator : danat
Sample : ic232-0.2 (M050)
Misc : MS14080, MSQ232,,,,,1
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Aug 27 12:22:58 2007
Quant Method : C:\msdchem\1\METHODS\Q082707T.m
Quant Title : TO15 by GCMS w/DB-1 60 m X .25 mm ID 1.0 um
QLast Update : Mon Aug 27 10:02:13 2007
Response via : Initial Calibration







TIC: Q4397.D\data.ms

(42) 1,4-DIOXANE (m)

11.161min (+0.030) 0.12PPBV m

response 1555

Ion	Exp%	Act%
88.00	100	100
57.00	55.60	539.49#
58.00	67.10	73.14
43.00	36.80	170.18#

Manual Integrations APPROVED (compounds with "m" flag)
Philip Bassignani
08/29/07 18:17

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\
Data File : Q4398.D
Acq On : 27 Aug 2007 11:04 am
Operator : danat
Sample : ic232-40 (M053)
Misc : MS14080, MSQ232,,,,,1
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Aug 27 13:26:15 2007
Quant Method : C:\msdchem\1\METHODS\Q082707T.m
Quant Title : TO15 by GCMS w/DB-1 60 m X .25 mm ID 1.0 um
QLast Update : Mon Aug 27 10:02:13 2007
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) BROMOCHLOROMETHANE	8.631	128	302613	10.00	PPBV	0.00
35) 1,4-DIFLUOROBENZENE	10.458	114	1429937	10.00	PPBV	0.00
49) CHLOROBENZENE-D5	14.703	117	967855	10.00	PPBV	0.00

System Monitoring Compounds

61) 4-BROMOFLUOROBENZENE	16.322	95	228850	3.88	PPBV	0.00

Spiked Amount 5.000 Range 57 - 139 Recovery = 77.60%

Target Compounds						Qvalue
2) DICHLORODIFLUOROMETHANE	4.037	85	4654109	46.46	PPBV	100
3) PROPYLENE	3.964	41	777671	31.48	PPBV	93
4) FREON 114	4.296	85	4361483	46.60	PPBV	94
5) CHLOROMETHANE	4.202	50	987596	38.08	PPBV	95
6) VINYL CHLORIDE	4.420	62	1223557	41.30	PPBV	99
7) 1,3-BUTADIENE	4.557	39	863743	36.86	PPBV	97
8) BROMOMETHANE	4.833	94	1493091	46.88	PPBV	100
9) CHLOROETHANE	5.004	64	556441	43.34	PPBV	98
10) TRICHLOROFLUOROMETHANE	5.785	101	4658276	52.57	PPBV	99
11) ISOPROPYL ALCOHOL	5.822	45	1543182	35.71	PPBV	94
12) ACETONE	5.591	43	1454452	38.22	PPBV	99
13) PENTANE	6.141	42	987610	34.46	PPBV	92
14) 1,1-DICHLOROETHYLENE	6.422	96	1383612	45.87	PPBV	94
15) CARBON DISULFIDE	6.855	76	3641312	48.44	PPBV	99
16) ETHANOL	5.096	45	339605	34.65	PPBV	98
17) BROMOETHENE	5.364	106	1466351	47.91	PPBV	99
18) METHYLENE CHLORIDE	6.537	84	1261759	34.54	PPBV	92
19) 3-CHLOROPROPENE	6.656	39	1095704	45.36	PPBV	90
20) FREON 113	6.793	151	2907721	49.61	PPBV	93
21) TRANS-1,2-DICHLOROETHY...	7.464	96	1355971	47.86	PPBV	96
22) TERTIARY BUTYL ALCOHOL	6.424	59	2214073	43.69	PPBV	99
23) METHYL TERTIARY BUTYL ...	7.701	73	2893135	50.54	PPBV	97
24) TETRAHYDROFURAN	9.130	42	930573	39.56	PPBV	87
25) HEXANE	8.663	57	1615605	35.09	PPBV	99
26) VINYL ACETATE	7.785	43	2046089	44.10	PPBV	97
27) 1,1-DICHLOROETHANE	7.661	63	2342297	51.53	PPBV	98
28) METHYL ETHYL KETONE	8.024	43	1912959	40.20	PPBV	93
29) cis-1,2-DICHLOROETHYLENE	8.466	96	1413172	52.90	PPBV	93
30) ETHYL ACETATE	8.660	43	2788977	37.11	PPBV	99
31) CHLOROFORM	8.752	83	3272421	54.66	PPBV	98
32) 1,1,1-TRICHLOROETHANE	9.705	97	3395526	58.11	PPBV	97
33) CARBON TETRACHLORIDE	10.287	117	3869689	58.15	PPBV	100
34) 1,2-DICHLOROETHANE	9.460	62	2004159	56.84	PPBV	99
36) BENZENE	10.145	78	3785619	52.71	PPBV	98
37) CYCLOHEXANE	10.410	84	1563087	44.06	PPBV #	84
38) TRICHLOROETHYLENE	11.143	95	1994193	54.42	PPBV	96
39) 1,2-DICHLOROPROPANE	10.921	63	1238951	47.47	PPBV	91
40) BROMODICHLOROMETHANE	11.105	83	3530691	61.31	PPBV	98
41) 2,2,4-TRIMETHYLPENTANE	11.169	57	5441132	44.10	PPBV	98
42) 1,4-DIOXANE	11.129	88	687370	48.97	PPBV #	80
43) HEPTANE	11.404	43	1885455	39.79	PPBV	89

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\
Data File : Q4398.D
Acq On : 27 Aug 2007 11:04 am
Operator : danat
Sample : ic232-40 (M053)
Misc : MS14080, MSQ232,,,,,1
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Aug 27 13:26:15 2007
Quant Method : C:\msdchem\1\METHODS\Q082707T.m
Quant Title : TO15 by GCMS w/DB-1 60 m X .25 mm ID 1.0 um
QLast Update : Mon Aug 27 10:02:13 2007
Response via : Initial Calibration

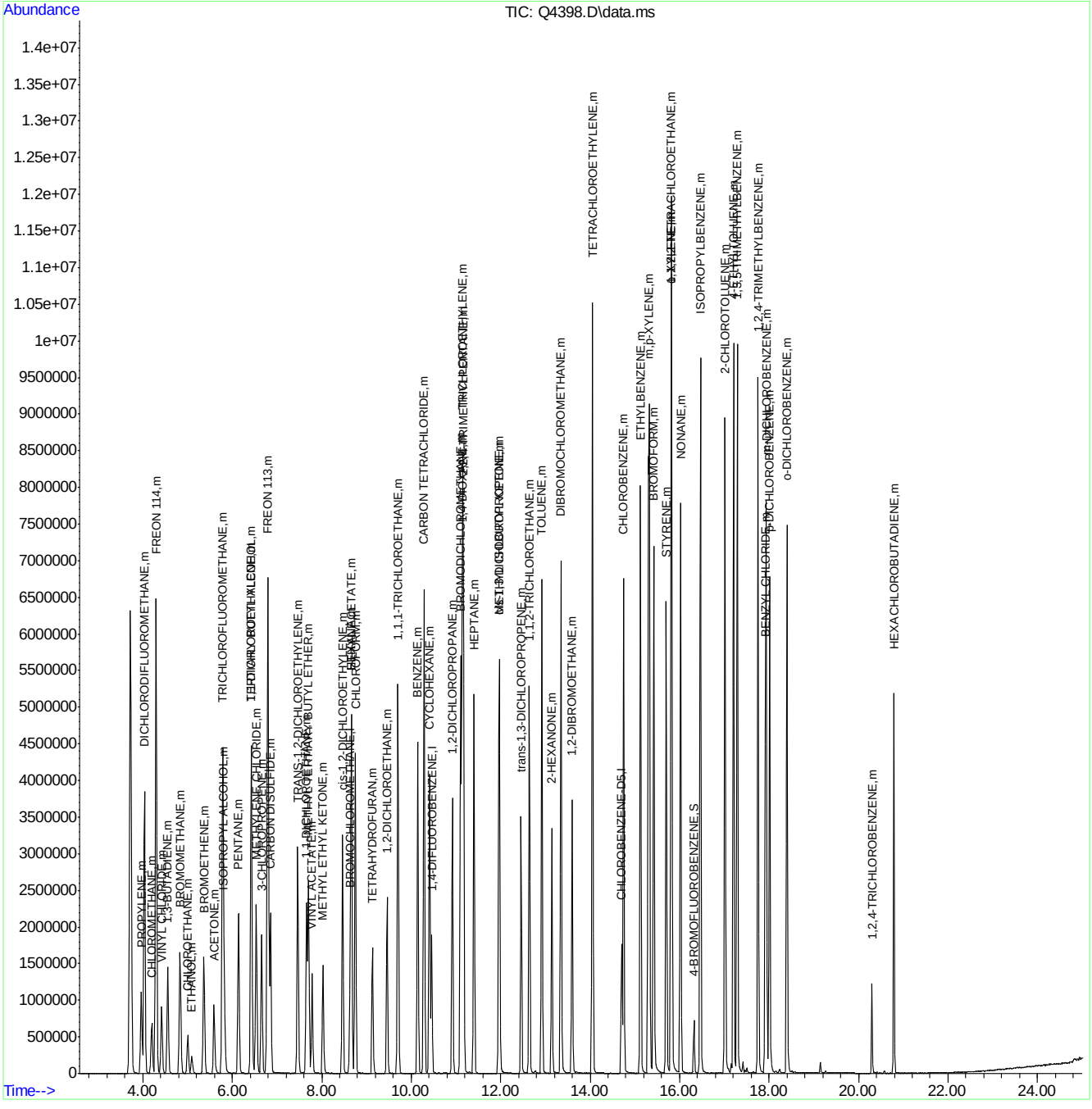
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) METHYL ISOBUTYL KETONE	11.973	43	2294535	42.61	PPBV	94
45) cis-1,3-DICHLOROPROPENE	11.959	75	1950607	55.19	PPBV	93
46) TOLUENE	12.921	92	2716267	52.33	PPBV	99
47) trans-1,3-DICHLOROPROPENE	12.460	75	1791544	55.62	PPBV	95
48) 1,1,2-TRICHLOROETHANE	12.641	83	1341762	55.17	PPBV	95
50) 2-HEXANONE	13.143	43	2123071	52.85	PPBV	95
51) TETRACHLOROETHYLENE	14.055	164	2262588	72.20	PPBV	98
52) DIBROMOCHLOROMETHANE	13.349	129	3665353	85.85	PPBV	99
53) 1,2-DIBROMOETHANE	13.597	107	2396826m	69.47	PPBV	
54) CHLOROBENZENE	14.749	112	3610799	69.85	PPBV	97
55) ETHYLBENZENE	15.127	91	5834854	71.56	PPBV	98
56) m,p-XYLENE	15.324	106	4451595	146.71	PPBV	100
57) o-XYLENE	15.823	106	2233312	74.36	PPBV	95
58) STYRENE	15.702	104	3095179	72.70	PPBV	100
59) NONANE	16.023	43	2661558	55.27	PPBV	90
60) BROMOFORM	15.422	173	3539533m	96.13	PPBV	
62) 1,1,2,2-TETRACHLOROETHANE	15.810	83	3054579	67.49	PPBV	99
63) ISOPROPYLBENZENE	16.465	105	6669044m	75.98	PPBV	
64) 2-CHLOROTOLUENE	17.015	91	4987318	76.01	PPBV	97
65) 4-ETHYLTOLUENE	17.204	105	6106226	77.58	PPBV	99
66) 1,3,5-TRIMETHYLBENZENE	17.291	105	5391261	75.86	PPBV	98
67) 1,2,4-TRIMETHYLBENZENE	17.756	105	5002736	77.52	PPBV	99
68) m-DICHLOROBENZENE	17.938	146	2942553	73.78	PPBV	100
69) BENZYL CHLORIDE	17.915	91	2863974	72.50	PPBV	98
70) p-DICHLOROBENZENE	18.009	146	2607139	68.75	PPBV	100
71) o-DICHLOROBENZENE	18.398	146	2856538	76.35	PPBV	100
72) HEXACHLOROBUTADIENE	20.792	225	872917	36.39	PPBV	99
73) 1,2,4-TRICHLOROBENZENE	20.301	180	336221	30.96	PPBV	98

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

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\
Data File : Q4398.D
Acq On : 27 Aug 2007 11:04 am
Operator : danat
Sample : ic232-40 (M053)
Misc : MS14080, MSQ232,,,,,1
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Aug 27 13:26:15 2007
Quant Method : C:\msdchem\1\METHODS\Q082707T.m
Quant Title : TO15 by GCMS w/DB-1 60 m X .25 mm ID 1.0 um
QLast Update : Mon Aug 27 10:02:13 2007
Response via : Initial Calibration

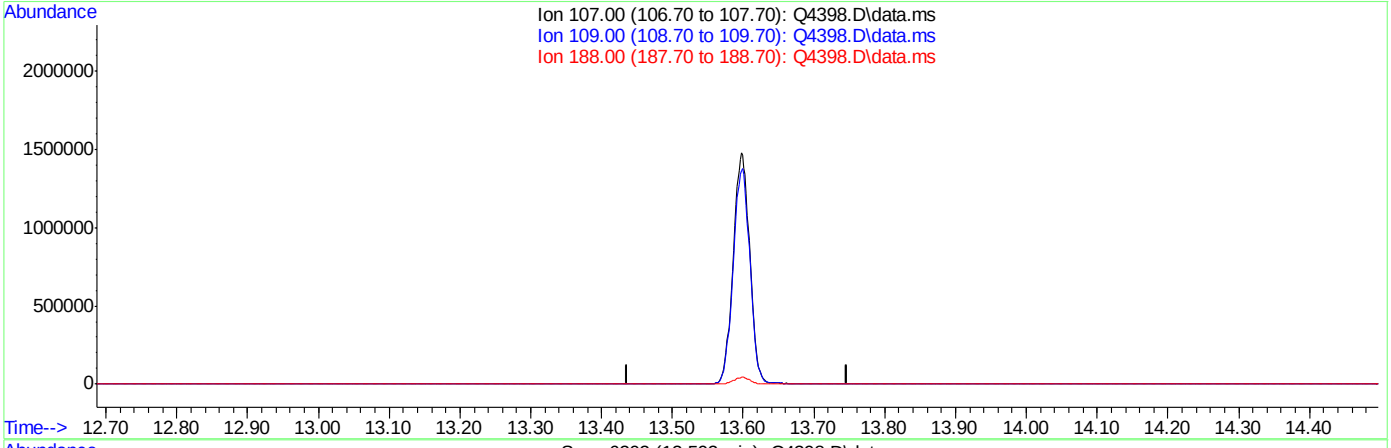


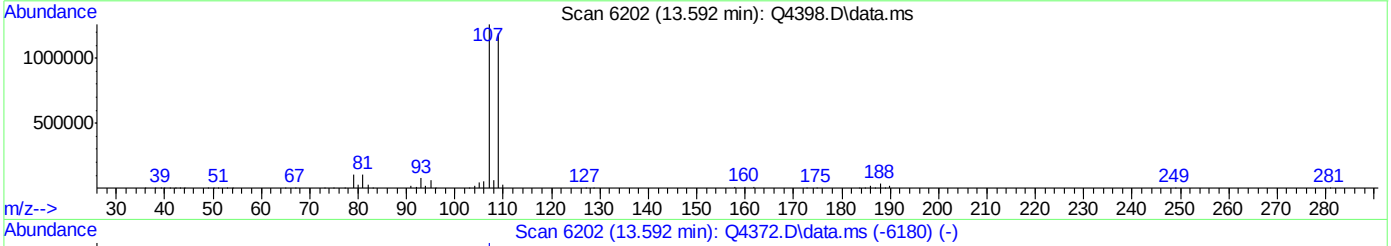
ACCUTEST Laboratories M67318

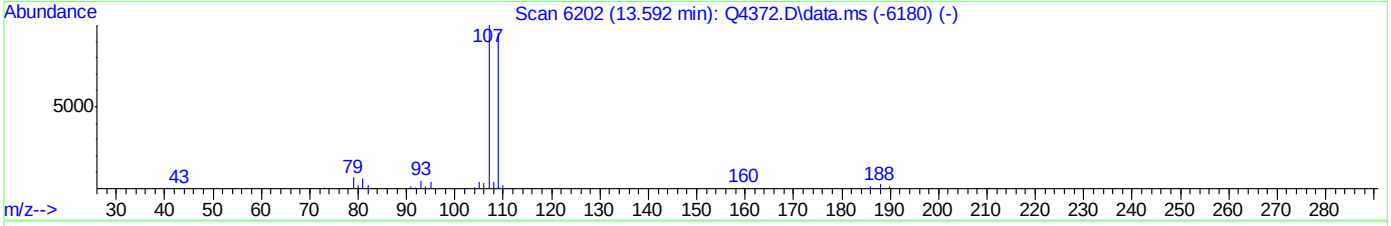
Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\
Data File : Q4398.D
Acq On : 27 Aug 2007 11:04 am
Operator : danat
Sample : ic232-40 (M053)
Misc : MS14080, MSQ232,,,,,1
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Aug 27 13:24:39 2007
Quant Method : C:\msdchem\1\METHODS\Q082707T.m
Quant Title : TO15 by GCMS w/DB-1 60 m X .25 mm ID 1.0 um
QLast Update : Mon Aug 27 10:02:13 2007
Response via : Initial Calibration







TIC: Q4398.D\data.ms

(53) 1,2-DIBROMOETHANE (m)

13.592min (-13.592) 0.00PPBV

response 0

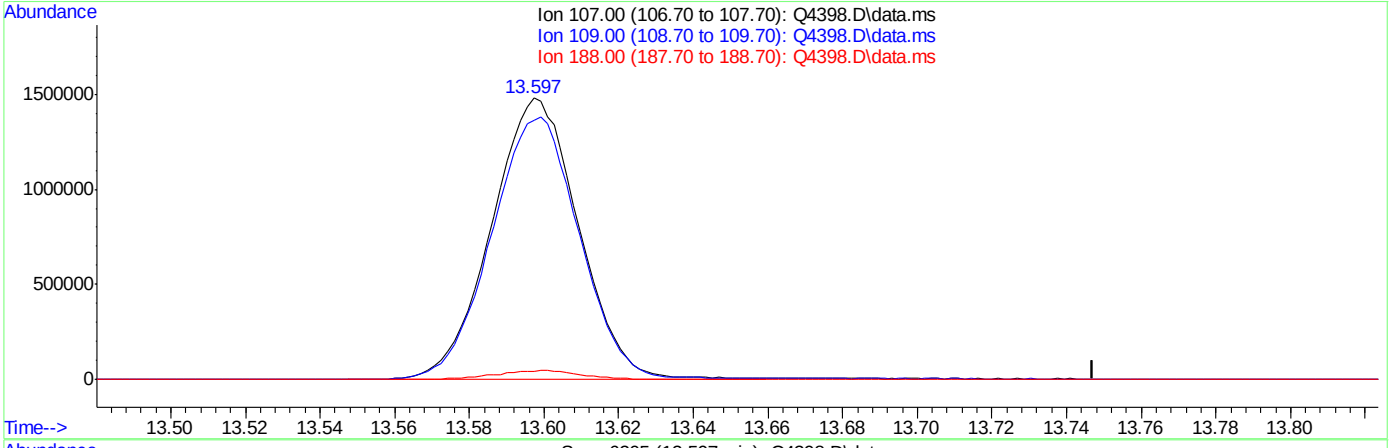
Ion	Exp%	Act%
107.00	100	0.00
109.00	93.70	0.00#
188.00	2.70	0.00
0.00	0.00	0.00

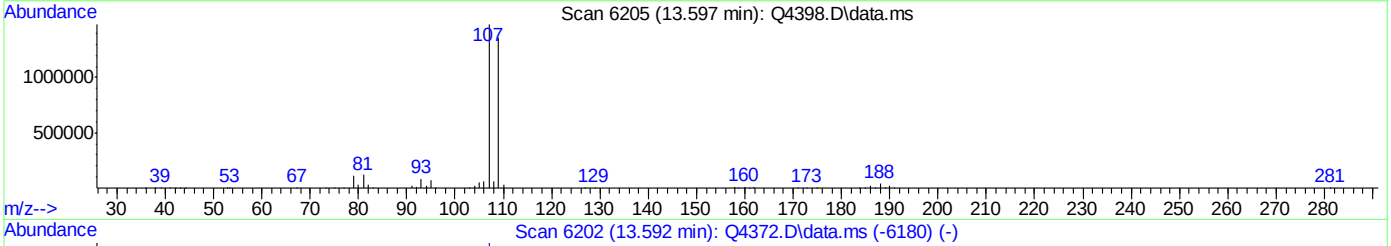
ACCUTEST Laboratories M67318

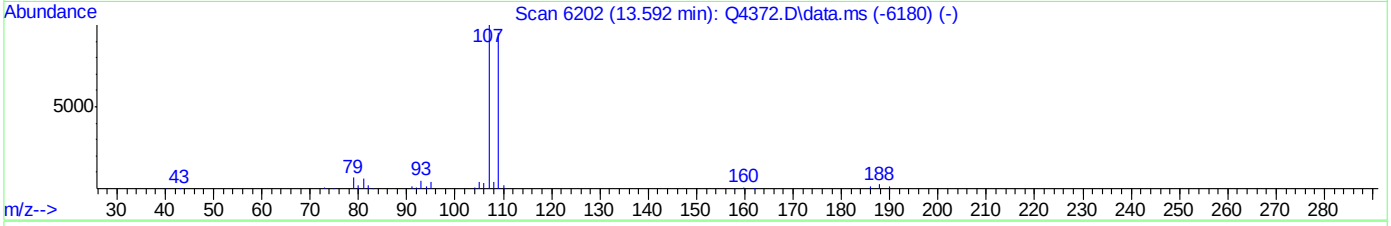
Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\
Data File : Q4398.D
Acq On : 27 Aug 2007 11:04 am
Operator : danat
Sample : ic232-40 (M053)
Misc : MS14080, MSQ232,,,,,1
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Aug 27 13:24:39 2007
Quant Method : C:\msdchem\1\METHODS\Q082707T.m
Quant Title : TO15 by GCMS w/DB-1 60 m X .25 mm ID 1.0 um
QLast Update : Mon Aug 27 10:02:13 2007
Response via : Initial Calibration







TIC: Q4398.D\data.ms

(53) 1,2-DIBROMOETHANE (m)

13.597min (+0.005) 69.47PPBV m

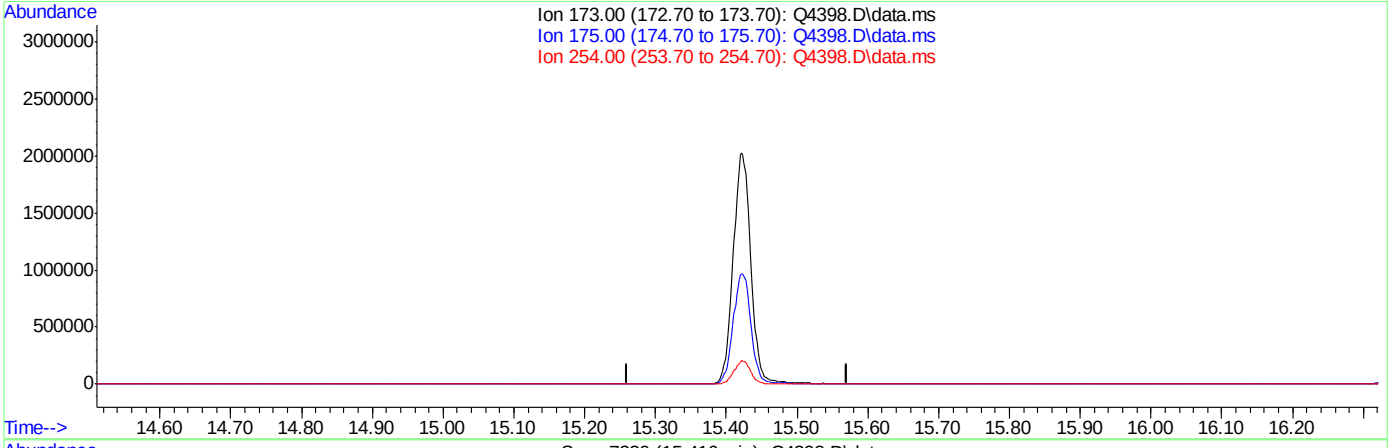
response 2396826

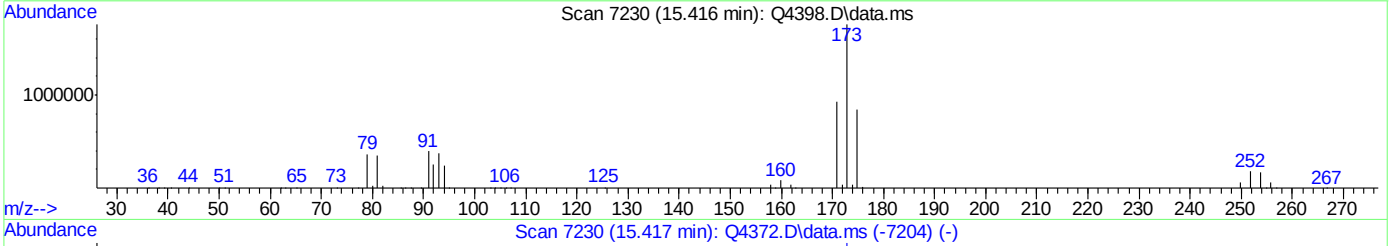
Ion	Exp%	Act%
107.00	100	100
109.00	93.70	0.00#
188.00	2.70	0.00
0.00	0.00	0.00

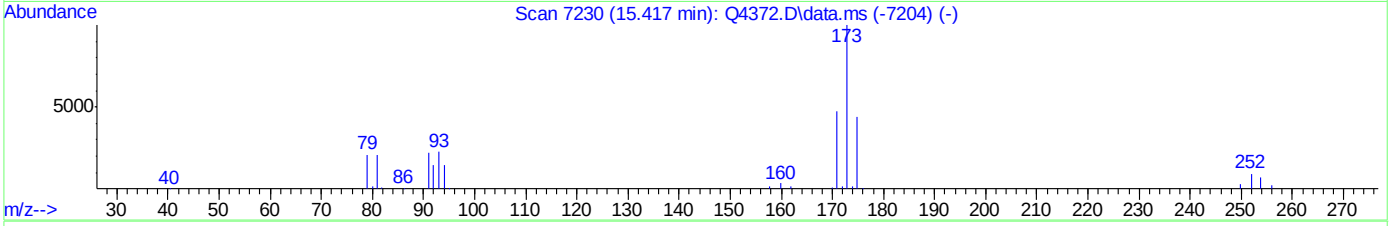
Quantitation Report (Qedit)

```
Data Path : C:\msdchem\1\DATA\
Data File : Q4398.D
Acq On    : 27 Aug 2007  11:04 am
Operator  : danat
Sample    : ic232-40 (M053)
Misc      : MS14080, MSQ232,,,,,1
ALS Vial  : 2   Sample Multiplier: 1

Quant Time: Aug 27 13:24:39 2007
Quant Method : C:\msdchem\1\METHODS\Q082707T.m
Quant Title  : TO15  by GCMS w/DB-1 60 m X .25 mm ID 1.0 um
QLast Update : Mon Aug 27 10:02:13 2007
Response via : Initial Calibration
```





TIC: Q4398.D\data.ms

(60) BROMOFORM (m)

15.416min (-15.416) 0.00PPBV

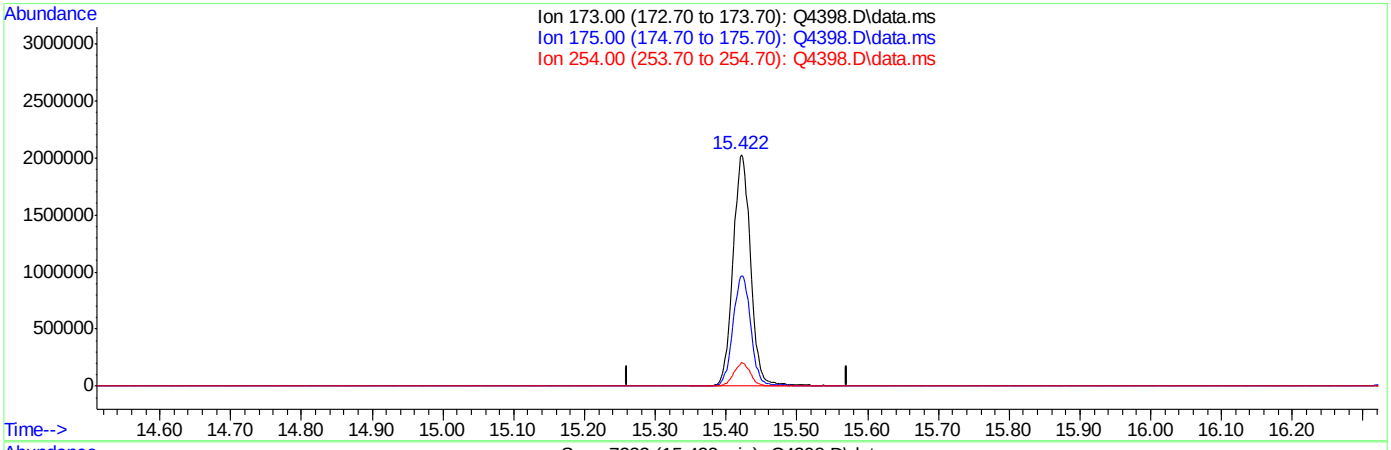
response 0

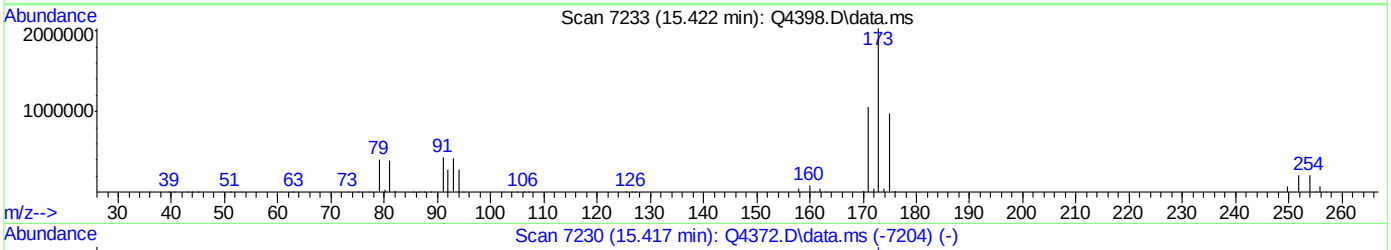
Ion	Exp%	Act%
173.00	100	0.00
175.00	48.30	0.00#
254.00	8.10	0.00
0.00	0.00	0.00

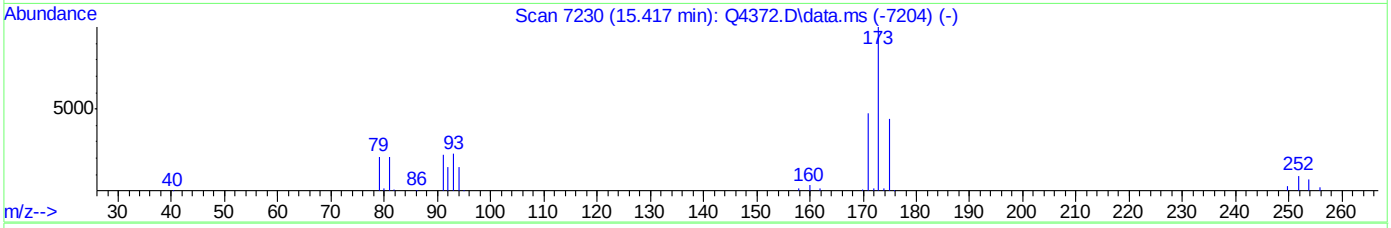
Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\
Data File : Q4398.D
Acq On : 27 Aug 2007 11:04 am
Operator : danat
Sample : ic232-40 (M053)
Misc : MS14080, MSQ232,,,,,1
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Aug 27 13:24:39 2007
Quant Method : C:\msdchem\1\METHODS\Q082707T.m
Quant Title : TO15 by GCMS w/DB-1 60 m X .25 mm ID 1.0 um
QLast Update : Mon Aug 27 10:02:13 2007
Response via : Initial Calibration







TIC: Q4398.D\data.ms

(60) BROMOFORM (m)

15.422min (+0.006) 96.13PPBV m

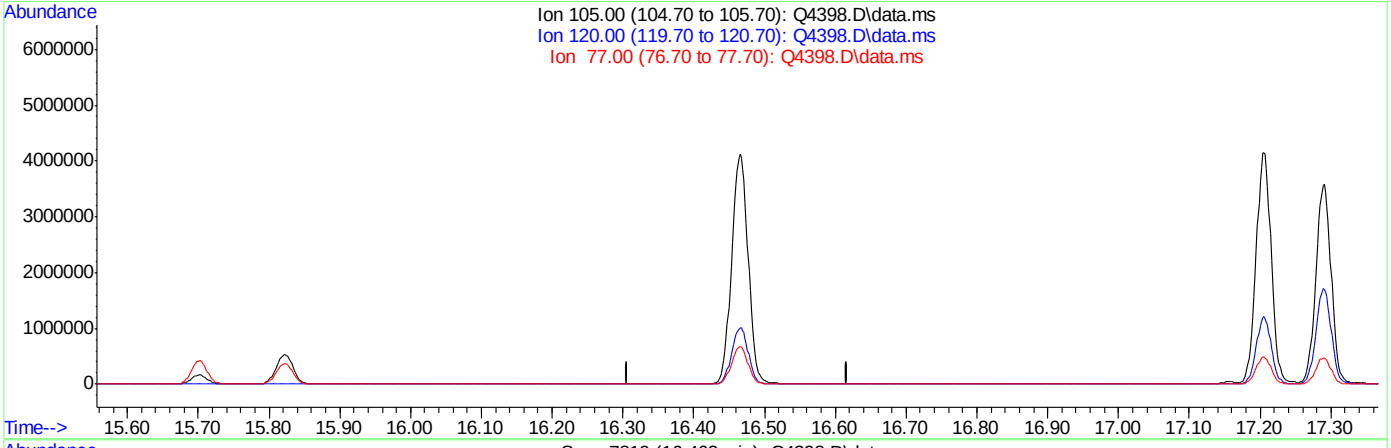
response 3539533

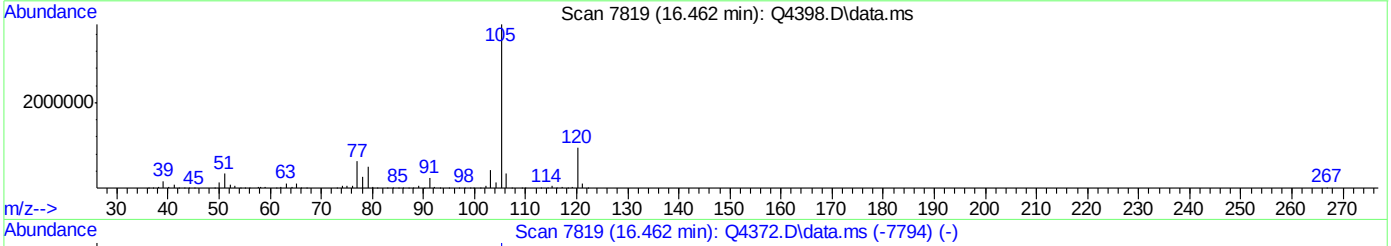
Ion	Exp%	Act%
173.00	100	100
175.00	48.30	0.00#
254.00	8.10	0.00
0.00	0.00	0.00

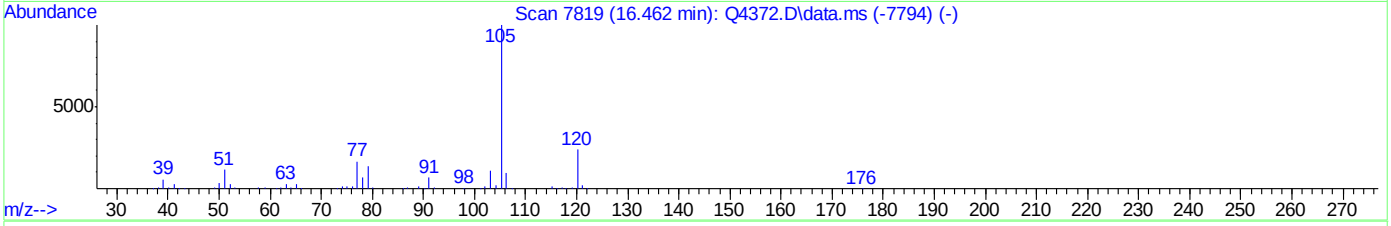
Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\
Data File : Q4398.D
Acq On : 27 Aug 2007 11:04 am
Operator : danat
Sample : ic232-40 (M053)
Misc : MS14080, MSQ232,,,,,1
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Aug 27 13:24:39 2007
Quant Method : C:\msdchem\1\METHODS\Q082707T.m
Quant Title : TO15 by GCMS w/DB-1 60 m X .25 mm ID 1.0 um
QLast Update : Mon Aug 27 10:02:13 2007
Response via : Initial Calibration







TIC: Q4398.D\data.ms

(63) ISOPROPYLBENZENE (m)

16.462min (-16.462) 0.00PPBV

response 0

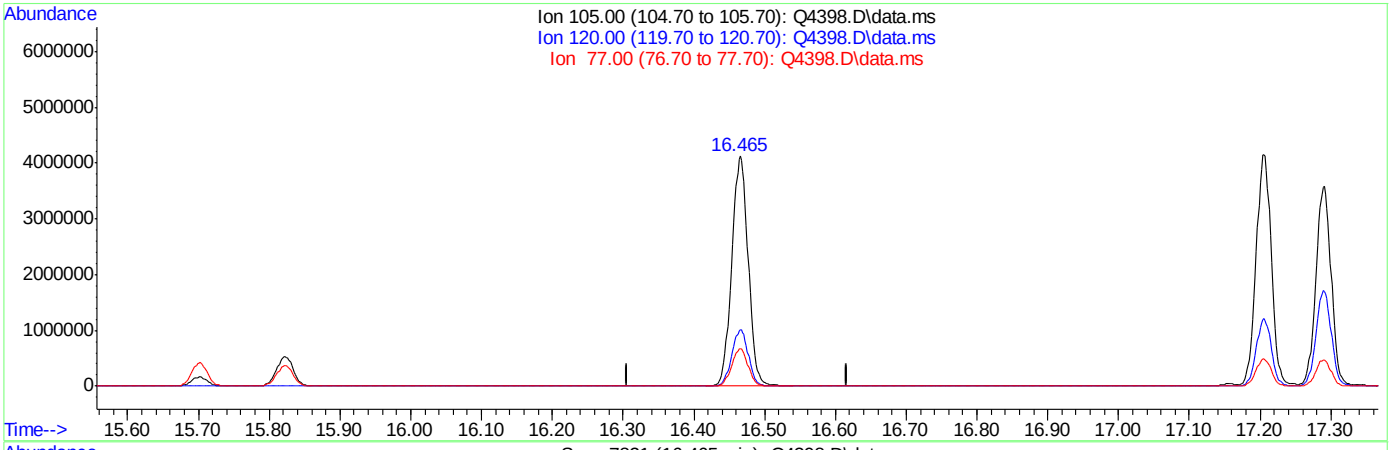
Ion	Exp%	Act%
105.00	100	0.00
120.00	24.50	0.00#
77.00	17.30	0.00
0.00	0.00	0.00

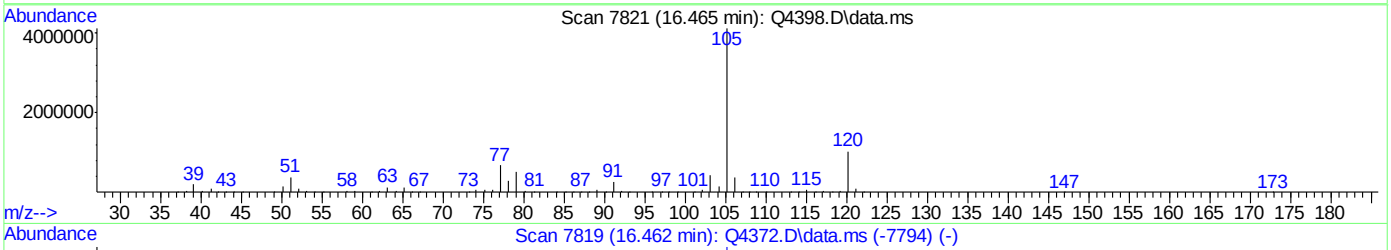
ACCUTEST Laboratories M67318

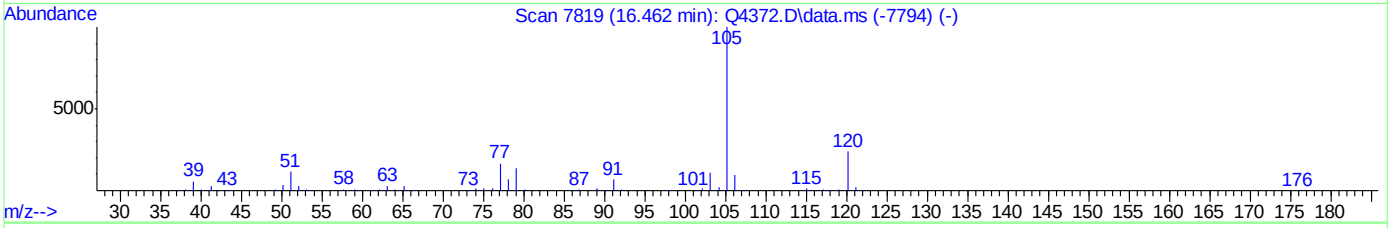
Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\
Data File : Q4398.D
Acq On : 27 Aug 2007 11:04 am
Operator : danat
Sample : ic232-40 (M053)
Misc : MS14080, MSQ232,,,,,1
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Aug 27 13:24:39 2007
Quant Method : C:\msdchem\1\METHODS\Q082707T.m
Quant Title : TO15 by GCMS w/DB-1 60 m X .25 mm ID 1.0 um
QLast Update : Mon Aug 27 10:02:13 2007
Response via : Initial Calibration







TIC: Q4398.D\data.ms

(63) ISOPROPYLBENZENE (m)

16.465min (+0.003) 75.98PPBV m

response 6669044

Ion	Exp%	Act%
105.00	100	100
120.00	24.50	0.00#
77.00	17.30	0.00
0.00	0.00	0.00

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\
Data File : Q4400.D
Acq On : 27 Aug 2007 12:26 pm
Operator : danat
Sample : icc232-10 (M053)
Misc : MS14080, MSQ232,,,,,1
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Aug 27 13:46:56 2007
Quant Method : C:\msdchem\1\METHODS\Q082707T.m
Quant Title : TO15 by GCMS w/DB-1 60 m X .25 mm ID 1.0 um
QLast Update : Mon Aug 27 10:02:13 2007
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) BROMOCHLOROMETHANE	8.628	128	328946	10.00	PPBV	0.00
35) 1,4-DIFLUOROBENZENE	10.456	114	1534463	10.00	PPBV	0.00
49) CHLOROBENZENE-D5	14.698	117	996587	10.00	PPBV	0.00

System Monitoring Compounds

61) 4-BROMOFLUOROBENZENE	16.318	95	222129	3.65	PPBV	0.00

Spiked Amount 5.000 Range 57 - 139 Recovery = 73.00%

Target Compounds						Qvalue
2) DICHLORODIFLUOROMETHANE	4.035	85	1295214	11.89	PPBV	99
3) PROPYLENE	3.964	41	223071	8.31	PPBV	91
4) FREON 114	4.296	85	1231943	12.11	PPBV	96
5) CHLOROMETHANE	4.197	50	283502	10.06	PPBV	94
6) VINYL CHLORIDE	4.417	62	356840	11.08	PPBV	98
7) 1,3-BUTADIENE	4.557	39	234962	9.22	PPBV	96
8) BROMOMETHANE	4.834	94	417143	12.05	PPBV	99
9) CHLOROETHANE	5.000	64	150506	10.78	PPBV	98
10) TRICHLOROFLUOROMETHANE	5.785	101	1241909	12.89	PPBV	100
11) ISOPROPYL ALCOHOL	5.817	45	385976	8.22	PPBV	95
12) ACETONE	5.595	43	355342	8.59	PPBV	99
13) PENTANE	6.136	42	265080	8.51	PPBV	93
14) 1,1-DICHLOROETHYLENE	6.419	96	363550	11.09	PPBV	94
15) CARBON DISULFIDE	6.853	76	991418	12.13	PPBV	99
16) ETHANOL	5.095	45	87857	8.25	PPBV	98
17) BROMOETHENE	5.361	106	398385	11.97	PPBV	99
18) METHYLENE CHLORIDE	6.536	84	320504	8.07	PPBV	91
19) 3-CHLOROPROPENE	6.655	39	248241	9.45	PPBV	91
20) FREON 113	6.795	151	723533	11.36	PPBV	94
21) TRANS-1,2-DICHLOROETHY...	7.462	96	335611	10.90	PPBV	95
22) TERTIARY BUTYL ALCOHOL	6.424	59	559105	10.15	PPBV	99
23) METHYL TERTIARY BUTYL ...	7.703	73	676092	10.86	PPBV	97
24) TETRAHYDROFURAN	9.132	42	222939	8.72	PPBV	89
25) HEXANE	8.662	57	411363	8.22	PPBV	98
26) VINYL ACETATE	7.782	43	442486	8.77	PPBV	97
27) 1,1-DICHLOROETHANE	7.659	63	534529	10.82	PPBV	98
28) METHYL ETHYL KETONE	8.026	43	467669	9.04	PPBV	95
29) cis-1,2-DICHLOROETHYLENE	8.463	96	324179	11.16	PPBV	94
30) ETHYL ACETATE	8.656	43	697975	8.54	PPBV	99
31) CHLOROFORM	8.747	83	783612	12.04	PPBV	98
32) 1,1,1-TRICHLOROETHANE	9.700	97	768178	12.09	PPBV	97
33) CARBON TETRACHLORIDE	10.286	117	915860	12.66	PPBV	100
34) 1,2-DICHLOROETHANE	9.455	62	438039	11.43	PPBV	99
36) BENZENE	10.144	78	816858	10.60	PPBV	98
37) CYCLOHEXANE	10.406	84	378715	9.95	PPBV	90
38) TRICHLOROETHYLENE	11.139	95	451682	11.49	PPBV	98
39) 1,2-DICHLOROPROPANE	10.916	63	271631	9.70	PPBV	93
40) BROMODICHLOROMETHANE	11.100	83	770564	12.47	PPBV	98
41) 2,2,4-TRIMETHYLPENTANE	11.162	57	1303226	9.84	PPBV	98
42) 1,4-DIOXANE	11.129	88	165809	11.01	PPBV	89
43) HEPTANE	11.400	43	447735	8.81	PPBV	91

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\
Data File : Q4400.D
Acq On : 27 Aug 2007 12:26 pm
Operator : danat
Sample : icc232-10 (M053)
Misc : MS14080, MSQ232,,,,,1
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Aug 27 13:46:56 2007
Quant Method : C:\msdchem\1\METHODS\Q082707T.m
Quant Title : TO15 by GCMS w/DB-1 60 m X .25 mm ID 1.0 um
QLast Update : Mon Aug 27 10:02:13 2007
Response via : Initial Calibration

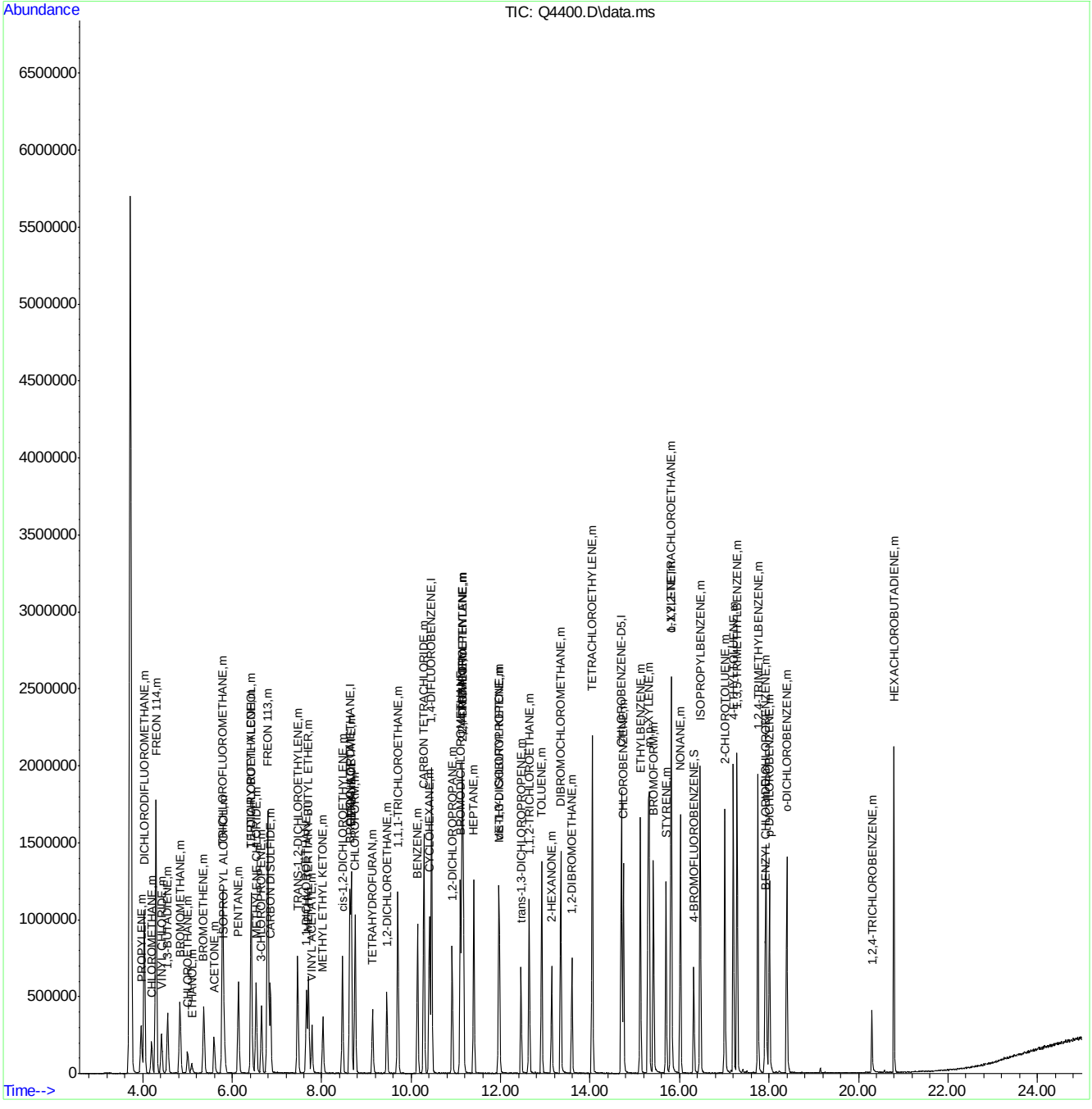
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) METHYL ISOBUTYL KETONE	11.974	43	540402	9.35	PPBV	95
45) cis-1,3-DICHLOROPROPENE	11.956	75	403073	10.63	PPBV	96
46) TOLUENE	12.916	92	543038	9.75	PPBV	100
47) trans-1,3-DICHLOROPROPENE	12.455	75	348470	10.08	PPBV	96
48) 1,1,2-TRICHLOROETHANE	12.637	83	289224	11.08	PPBV	98
50) 2-HEXANONE	13.141	43	448337	10.84	PPBV	96
51) TETRACHLOROETHYLENE	14.050	164	475805	14.75	PPBV	97
52) DIBROMOCHLOROMETHANE	13.344	129	739907	16.83	PPBV	99
53) 1,2-DIBROMOETHANE	13.592	107	483099	13.60	PPBV	99
54) CHLOROBENZENE	14.744	112	719392	13.52	PPBV	97
55) ETHYLBENZENE	15.122	91	1162383	13.84	PPBV	99
56) m,p-XYLENE	15.317	106	881534	28.22	PPBV	97
57) o-XYLENE	15.818	106	448884	14.51	PPBV	98
58) STYRENE	15.697	104	592226	13.51	PPBV	98
59) NONANE	16.016	43	567459	11.44	PPBV	93
60) BROMOFORM	15.415	173	665229	17.55	PPBV	99
62) 1,1,2,2-TETRACHLOROETHANE	15.804	83	665898	14.29	PPBV	100
63) ISOPROPYLBENZENE	16.460	105	1342613	14.85	PPBV	99
64) 2-CHLOROTOLUENE	17.012	91	969137	14.34	PPBV	98
65) 4-ETHYLTOLUENE	17.200	105	1214862	14.99	PPBV	99
66) 1,3,5-TRIMETHYLBENZENE	17.285	105	1099830	15.03	PPBV	99
67) 1,2,4-TRIMETHYLBENZENE	17.749	105	1005975	15.14	PPBV	99
68) m-DICHLOROBENZENE	17.931	146	553035	13.47	PPBV	99
69) BENZYL CHLORIDE	17.910	91	518866	12.76	PPBV	98
70) p-DICHLOROBENZENE	18.008	146	499466	12.79	PPBV	99
71) o-DICHLOROBENZENE	18.396	146	547766	14.22	PPBV	99
72) HEXACHLOROBUTADIENE	20.791	225	320337	12.97	PPBV	99
73) 1,2,4-TRICHLOROBENZENE	20.299	180	116890	10.45	PPBV	99

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

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\
Data File : Q4400.D
Acq On : 27 Aug 2007 12:26 pm
Operator : danat
Sample : icc232-10 (M053)
Misc : MS14080, MSQ232,,,,,1
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Aug 27 13:46:56 2007
Quant Method : C:\msdchem\1\METHODS\Q082707T.m
Quant Title : TO15 by GCMS w/DB-1 60 m X .25 mm ID 1.0 um
QLast Update : Mon Aug 27 10:02:13 2007
Response via : Initial Calibration



Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\
Data File : Q4401.D
Acq On : 27 Aug 2007 1:07 pm
Operator : danat
Sample : ic232-5 (M053)
Misc : MS14080, MSQ232,,,,,1
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Aug 27 13:51:10 2007
Quant Method : C:\msdchem\1\METHODS\Q082707T.m
Quant Title : TO15 by GCMS w/DB-1 60 m X .25 mm ID 1.0 um
QLast Update : Mon Aug 27 13:48:09 2007
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) BROMOCHLOROMETHANE	8.628	128	320572	10.00	PPBV	0.00
35) 1,4-DIFLUOROBENZENE	10.454	114	1483738	10.00	PPBV	0.00
49) CHLOROBENZENE-D5	14.698	117	952398	10.00	PPBV	0.00
System Monitoring Compounds						
61) 4-BROMOFLUOROBENZENE	16.316	95	205774	5.22	PPBV	0.00
Spiked Amount 5.000	Range 57 - 139		Recovery = 104.40%			
Target Compounds						Qvalue
2) DICHLORODIFLUOROMETHANE	4.033	85	712140	5.56	PPBV	100
3) PROPYLENE	3.962	41	122702	5.97	PPBV	98
4) FREON 114	4.294	85	673828	5.55	PPBV	100
5) CHLOROMETHANE	4.202	50	153566	5.76	PPBV	89
6) VINYL CHLORIDE	4.420	62	191270	5.88	PPBV	98
7) 1,3-BUTADIENE	4.553	39	123788	5.25	PPBV	98
8) BROMOMETHANE	4.832	94	219007	5.22	PPBV	99
9) CHLOROETHANE	5.011	64	70818	4.79	PPBV	99
10) TRICHLOROFLUOROMETHANE	5.790	101	652067	4.90	PPBV	100
11) ISOPROPYL ALCOHOL	5.822	45	183716	4.66	PPBV	97
12) ACETONE	5.597	43	165261	3.44	PPBV	98
13) PENTANE	6.138	42	134389	4.66	PPBV	99
14) 1,1-DICHLOROETHYLENE	6.420	96	182845	4.91	PPBV	98
15) CARBON DISULFIDE	6.853	76	517832	5.22	PPBV	100
16) ETHANOL	5.091	45	42129	5.87	PPBV	99
17) BROMOETHENE	5.359	106	203147	5.27	PPBV	99
18) METHYLENE CHLORIDE	6.539	84	147310	2.45	PPBV	98
19) 3-CHLOROPROPENE	6.658	39	104785	4.40	PPBV	99
20) FREON 113	6.791	151	337497	4.13	PPBV	99
21) TRANS-1,2-DICHLOROETHY...	7.464	96	158520	4.50	PPBV	99
22) TERTIARY BUTYL ALCOHOL	6.429	59	258825	4.87	PPBV	98
23) METHYL TERTIARY BUTYL ...	7.707	73	305569	4.51	PPBV	100
24) TETRAHYDROFURAN	9.139	42	99894	5.24	PPBV	98
25) HEXANE	8.658	57	189988	3.97	PPBV	98
26) VINYL ACETATE	7.787	43	194773	4.23	PPBV	97
27) 1,1-DICHLOROETHANE	7.659	63	230217	4.08	PPBV	99
28) METHYL ETHYL KETONE	8.030	43	209202	4.56	PPBV	97
29) cis-1,2-DICHLOROETHYLENE	8.465	96	134222	4.44	PPBV	98
30) ETHYL ACETATE	8.658	43	324576	4.50	PPBV	100
31) CHLOROFORM	8.747	83	337685	4.26	PPBV	99
32) 1,1,1-TRICHLOROETHANE	9.702	97	332090	4.13	PPBV	99
33) CARBON TETRACHLORIDE	10.282	117	418780	4.34	PPBV	100
34) 1,2-DICHLOROETHANE	9.455	62	178228	4.04	PPBV	100
36) BENZENE	10.142	78	333906	4.35	PPBV	100
37) CYCLOHEXANE	10.406	84	175563	5.14	PPBV	94
38) TRICHLOROETHYLENE	11.137	95	192518	4.39	PPBV	99
39) 1,2-DICHLOROPROPANE	10.914	63	113800	4.35	PPBV	100
40) BROMODICHLOROMETHANE	11.100	83	327727	4.39	PPBV	100
41) 2,2,4-TRIMETHYLPENTANE	11.159	57	556356	4.67	PPBV	98
42) 1,4-DIOXANE	11.134	88	71476	5.09	PPBV #	68
43) HEPTANE	11.397	43	192097	4.80	PPBV	99

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\
Data File : Q4401.D
Acq On : 27 Aug 2007 1:07 pm
Operator : danat
Sample : ic232-5 (M053)
Misc : MS14080, MSQ232,,,,,1
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Aug 27 13:51:10 2007
Quant Method : C:\msdchem\1\METHODS\Q082707T.m
Quant Title : TO15 by GCMS w/DB-1 60 m X .25 mm ID 1.0 um
QLast Update : Mon Aug 27 13:48:09 2007
Response via : Initial Calibration

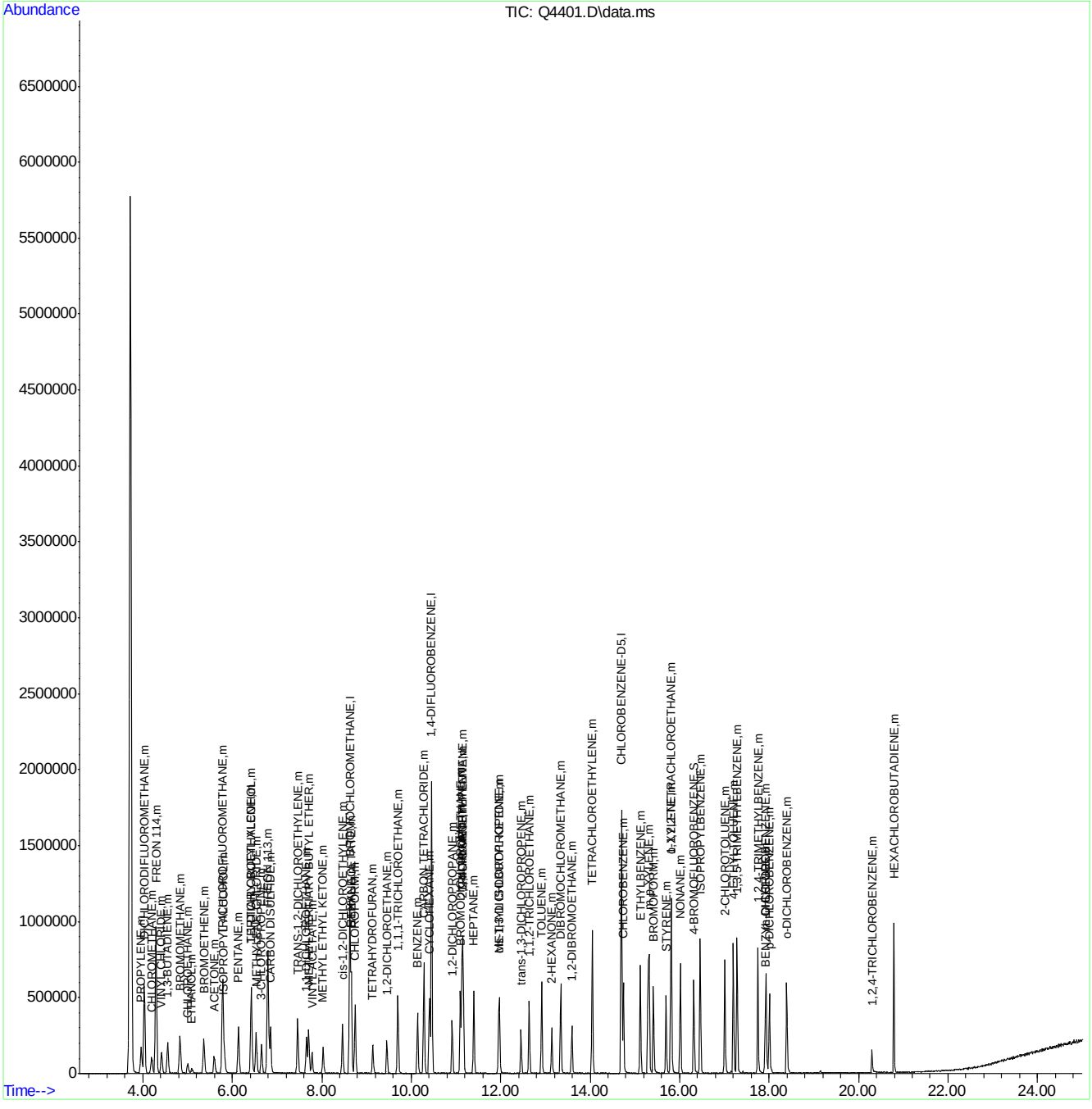
Internal Standards	R.T.	QIon	Response	Conc Units	Dev(Min)
44) METHYL ISOBUTYL KETONE	11.975	43	239450	5.01 PPBV	100
45) cis-1,3-DICHLOROPROPENE	11.957	75	164070	4.53 PPBV	97
46) TOLUENE	12.918	92	231209	4.14 PPBV	99
47) trans-1,3-DICHLOROPROPENE	12.456	75	144100	4.75 PPBV	99
48) 1,1,2-TRICHLOROETHANE	12.637	83	121789	4.57 PPBV	97
50) 2-HEXANONE	13.139	43	193585	5.19 PPBV	98
51) TETRACHLOROETHYLENE	14.048	164	201630	4.29 PPBV	99
52) DIBROMOCHLOROMETHANE	13.343	129	298777	4.23 PPBV	100
53) 1,2-DIBROMOETHANE	13.595	107	206646	4.66 PPBV	98
54) CHLOROBENZENE	14.742	112	305915	4.54 PPBV	99
55) ETHYLBENZENE	15.122	91	492822	4.85 PPBV	100
56) m,p-XYLENE	15.319	106	376291	9.63 PPBV	97
57) o-XYLENE	15.816	106	194030	5.20 PPBV	99
58) STYRENE	15.699	104	241822	5.39 PPBV	99
59) NONANE	16.018	43	244204	5.30 PPBV	98
60) BROMOFORM	15.416	173	275786	4.25 PPBV	99
62) 1,1,2,2-TETRACHLOROETHANE	15.805	83	293320	4.93 PPBV	99
63) ISOPROPYLBENZENE	16.460	105	583526	5.07 PPBV	99
64) 2-CHLOROTOLUENE	17.012	91	418495	5.30 PPBV	99
65) 4-ETHYLTOLUENE	17.200	105	513166	5.37 PPBV	99
66) 1,3,5-TRIMETHYLBENZENE	17.285	105	480495	5.31 PPBV	99
67) 1,2,4-TRIMETHYLBENZENE	17.750	105	422831	5.26 PPBV	99
68) m-DICHLOROBENZENE	17.931	146	237816	5.48 PPBV	100
69) BENZYL CHLORIDE	17.912	91	208319	5.29 PPBV	99
70) p-DICHLOROBENZENE	18.008	146	217245	5.63 PPBV	99
71) o-DICHLOROBENZENE	18.396	146	235769	5.14 PPBV	99
72) HEXACHLOROBUTADIENE	20.790	225	146735	3.62 PPBV	100
73) 1,2,4-TRICHLOROBENZENE	20.304	180	43456	4.73 PPBV	98

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

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\
Data File : Q4401.D
Acq On : 27 Aug 2007 1:07 pm
Operator : danat
Sample : ic232-5 (M053)
Misc : MS14080, MSQ232,,,,,1
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Aug 27 13:51:10 2007
Quant Method : C:\msdchem\1\METHODS\Q082707T.m
Quant Title : TO15 by GCMS w/DB-1 60 m X .25 mm ID 1.0 um
QLast Update : Mon Aug 27 13:48:09 2007
Response via : Initial Calibration



Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\
Data File : Q4402.D
Acq On : 27 Aug 2007 1:48 pm
Operator : danat
Sample : ic232-2 (M053)
Misc : MS14080, MSQ232,,,,,1
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Aug 27 14:14:02 2007
Quant Method : C:\msdchem\1\METHODS\Q082707T.m
Quant Title : TO15 by GCMS w/DB-1 60 m X .25 mm ID 1.0 um
QLast Update : Mon Aug 27 13:51:21 2007
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) BROMOCHLOROMETHANE	8.626	128	309830	10.00	PPBV	0.00
35) 1,4-DIFLUOROBENZENE	10.454	114	1428765	10.00	PPBV	0.00
49) CHLOROBENZENE-D5	14.698	117	901957	10.00	PPBV	0.00

System Monitoring Compounds

61) 4-BROMOFLUOROBENZENE	16.318	95	185895	4.95	PPBV	0.00

Spiked Amount 5.000 Range 57 - 139 Recovery = 99.00%

Target Compounds						Qvalue
2) DICHLORODIFLUOROMETHANE	4.033	85	377060	2.99	PPBV	99
3) PROPYLENE	3.955	41	63857	3.11	PPBV	96
4) FREON 114	4.294	85	364061	3.05	PPBV	99
5) CHLOROMETHANE	4.198	50	77896	2.95	PPBV	93
6) VINYL CHLORIDE	4.418	62	97068	3.00	PPBV	100
7) 1,3-BUTADIENE	4.558	39	66099	2.88	PPBV	97
8) BROMOMETHANE	4.826	94	120487	2.95	PPBV	99
9) CHLOROETHANE	5.004	64	35620	2.51	PPBV	100
10) TRICHLOROFLUOROMETHANE	5.785	101	363688	2.84	PPBV	99
11) ISOPROPYL ALCOHOL	5.826	45	88811	2.36	PPBV	98
12) ACETONE	5.597	43	82240	1.87	PPBV	98
13) PENTANE	6.142	42	74913	2.72	PPBV	98
14) 1,1-DICHLOROETHYLENE	6.422	96	101479	2.83	PPBV	97
15) CARBON DISULFIDE	6.850	76	269862	2.79	PPBV	99
16) ETHANOL	5.102	45	20525	2.88	PPBV	98
17) BROMOETHENE	5.368	106	111147	2.95	PPBV	99
18) METHYLENE CHLORIDE	6.539	84	74426	1.40	PPBV	100
19) 3-CHLOROPROPENE	6.654	39	48172	2.14	PPBV	100
20) FREON 113	6.793	151	176564	2.30	PPBV	99
21) TRANS-1,2-DICHLOROETHY...	7.460	96	78592	2.35	PPBV	99
22) TERTIARY BUTYL ALCOHOL	6.429	59	127142	2.48	PPBV	97
23) METHYL TERTIARY BUTYL ...	7.707	73	147661	2.29	PPBV	98
24) TETRAHYDROFURAN	9.141	42	44098	2.37	PPBV	97
25) HEXANE	8.660	57	95263	2.13	PPBV	97
26) VINYL ACETATE	7.787	43	89418	2.06	PPBV	92
27) 1,1-DICHLOROETHANE	7.659	63	106047	2.01	PPBV	99
28) METHYL ETHYL KETONE	8.033	43	97254	2.22	PPBV	97
29) cis-1,2-DICHLOROETHYLENE	8.463	96	63082	2.20	PPBV	98
30) ETHYL ACETATE	8.658	43	154726	2.26	PPBV	99
31) CHLOROFORM	8.743	83	158759	2.13	PPBV	99
32) 1,1,1-TRICHLOROETHANE	9.704	97	157032	2.08	PPBV	100
33) CARBON TETRACHLORIDE	10.286	117	203962	2.24	PPBV	99
34) 1,2-DICHLOROETHANE	9.459	62	84445	2.05	PPBV	100
36) BENZENE	10.142	78	150267	2.08	PPBV	100
37) CYCLOHEXANE	10.408	84	83932	2.54	PPBV	96
38) TRICHLOROETHYLENE	11.138	95	90805	2.20	PPBV	98
39) 1,2-DICHLOROPROPANE	10.919	63	54241	2.20	PPBV	99
40) BROMODICHLOROMETHANE	11.102	83	145957	2.07	PPBV	100
41) 2,2,4-TRIMETHYLPENTANE	11.162	57	256653	2.26	PPBV	99
42) 1,4-DIOXANE	11.134	88	34188	2.52	PPBV #	76
43) HEPTANE	11.400	43	85518	2.23	PPBV	97

ACCUTEST Laboratories M67318

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\
Data File : Q4402.D
Acq On : 27 Aug 2007 1:48 pm
Operator : danat
Sample : ic232-2 (M053)
Misc : MS14080, MSQ232,,,,,1
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Aug 27 14:14:02 2007
Quant Method : C:\msdchem\1\METHODS\Q082707T.m
Quant Title : TO15 by GCMS w/DB-1 60 m X .25 mm ID 1.0 um
QLast Update : Mon Aug 27 13:51:21 2007
Response via : Initial Calibration

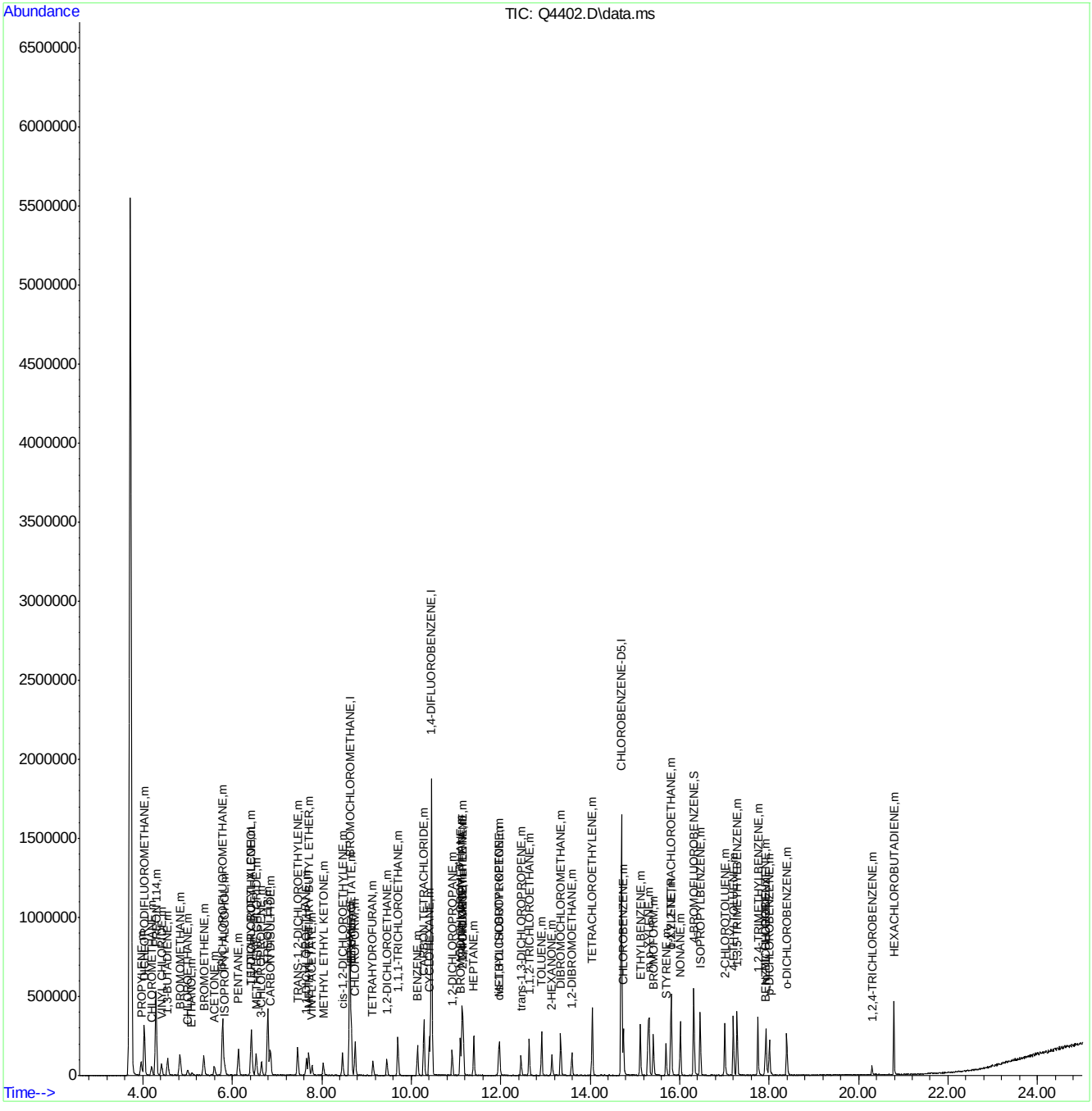
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) METHYL ISOBUTYL KETONE	11.977	43	111594	2.42	PPBV	99
45) cis-1,3-DICHLOROPROPENE	11.956	75	73070	2.13	PPBV	96
46) TOLUENE	12.918	92	106530	2.04	PPBV	99
47) trans-1,3-DICHLOROPROPENE	12.456	75	61248	2.11	PPBV	97
48) 1,1,2-TRICHLOROETHANE	12.635	83	56925	2.25	PPBV	98
50) 2-HEXANONE	13.147	43	86878	2.45	PPBV	97
51) TETRACHLOROETHYLENE	14.050	164	92014	2.12	PPBV	99
52) DIBROMOCHLOROMETHANE	13.342	129	137650	2.11	PPBV	98
53) 1,2-DIBROMOETHANE	13.596	107	95275	2.29	PPBV	98
54) CHLOROBENZENE	14.746	112	145433	2.31	PPBV	99
55) ETHYLBENZENE	15.122	91	215903	2.25	PPBV	100
56) m,p-XYLENE	15.317	106	169930	4.62	PPBV	92
57) o-XYLENE	15.816	106	86504	2.43	PPBV	98
58) STYRENE	15.695	104	99678	2.32	PPBV	99
59) NONANE	16.018	43	109102	2.47	PPBV	99
60) BROMOFORM	15.413	173	122035	2.03	PPBV	98
62) 1,1,2,2-TETRACHLOROETHANE	15.807	83	136565	2.43	PPBV	99
63) ISOPROPYLBENZENE	16.462	105	263155	2.41	PPBV	98
64) 2-CHLOROTOLUENE	17.012	91	183015	2.42	PPBV	98
65) 4-ETHYLTOLUENE	17.200	105	219675	2.40	PPBV	99
66) 1,3,5-TRIMETHYLBENZENE	17.285	105	208660	2.41	PPBV	99
67) 1,2,4-TRIMETHYLBENZENE	17.750	105	182997	2.38	PPBV	98
68) m-DICHLOROBENZENE	17.933	146	106747	2.56	PPBV	99
69) BENZYL CHLORIDE	17.912	91	86550	2.30	PPBV	96
70) p-DICHLOROBENZENE	18.008	146	99620	2.67	PPBV	90
71) o-DICHLOROBENZENE	18.395	146	106694	2.44	PPBV	99
72) HEXACHLOROBUTADIENE	20.791	225	70575	1.93	PPBV	98
73) 1,2,4-TRICHLOROBENZENE	20.306	180	20249	2.35	PPBV	86

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

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\
Data File : Q4402.D
Acq On : 27 Aug 2007 1:48 pm
Operator : danat
Sample : ic232-2 (M053)
Misc : MS14080, MSQ232,,,,,1
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Aug 27 14:14:02 2007
Quant Method : C:\msdchem\1\METHODS\Q082707T.m
Quant Title : TO15 by GCMS w/DB-1 60 m X .25 mm ID 1.0 um
QLast Update : Mon Aug 27 13:51:21 2007
Response via : Initial Calibration



Q4403.D

Manual Integrations APPROVED (compounds with "m" flag)

Philip Bassignani 08/29/07 18:17

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\
Data File : Q4403.D
Acq On : 27 Aug 2007 2:37 pm
Operator : danat
Sample : ic232-20 (M053)
Misc : MS14080, MSQ232,,,,,1
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Aug 27 15:04:26 2007
Quant Method : C:\msdchem\1\METHODS\Q082707T.m
Quant Title : TO15 by GCMS w/DB-1 60 m X .25 mm ID 1.0 um
QLast Update : Mon Aug 27 14:18:53 2007
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) BROMOCHLOROMETHANE	8.626	128	294999	10.00	PPBV	0.00
35) 1,4-DIFLUOROBENZENE	10.458	114	1361093	10.00	PPBV	0.00
49) CHLOROBENZENE-D5	14.698	117	890966	10.00	PPBV	0.00

System Monitoring Compounds

61) 4-BROMOFLUOROBENZENE	16.318	95	204185	5.51	PPBV	0.00

Spiked Amount 5.000 Range 57 - 139 Recovery = 110.20%

Target Compounds						Qvalue
2) DICHLORODIFLUOROMETHANE	4.035	85	2196749	17.09	PPBV	99
3) PROPYLENE	3.964	41	376346	17.85	PPBV	98
4) FREON 114	4.296	85	2020627	16.53	PPBV	98
5) CHLOROMETHANE	4.200	50	461251	17.18	PPBV	97
6) VINYL CHLORIDE	4.420	62	578208	17.51	PPBV	99
7) 1,3-BUTADIENE	4.557	39	399340	17.18	PPBV	98
8) BROMOMETHANE	4.832	94	707375	17.03	PPBV	99
9) CHLOROETHANE	5.006	64	273461	19.53	PPBV	99
10) TRICHLOROFLUOROMETHANE	5.785	101	2167777	16.75	PPBV	100
11) ISOPROPYL ALCOHOL	5.822	45	785988	21.35	PPBV	97
12) ACETONE	5.588	43	720949	22.86	PPBV	99
13) PENTANE	6.138	42	472963	17.14	PPBV	100
14) 1,1-DICHLOROETHYLENE	6.422	96	657203	18.17	PPBV	99
15) CARBON DISULFIDE	6.853	76	1748989	17.99	PPBV	99
16) ETHANOL	5.093	45	172359	23.88	PPBV	99
17) BROMOETHENE	5.366	106	690773	18.06	PPBV	100
18) METHYLENE CHLORIDE	6.536	84	619523	21.35	PPBV	100
19) 3-CHLOROPROPENE	6.656	39	501983	23.14	PPBV	97
20) FREON 113	6.793	151	1375093	18.42	PPBV	100
21) TRANS-1,2-DICHLOROETHY...	7.464	96	648397	19.84	PPBV	99
22) TERTIARY BUTYL ALCOHOL	6.426	59	1134818	22.51	PPBV	99
23) METHYL TERTIARY BUTYL ...	7.703	73	1415414	22.60	PPBV	100
24) TETRAHYDROFURAN	9.132	42	461796	25.42	PPBV	99
25) HEXANE	8.662	57	803388	18.71	PPBV	99
26) VINYL ACETATE	7.781	43	921218	22.21	PPBV	100
27) 1,1-DICHLOROETHANE	7.659	63	1065414	21.15	PPBV	100
28) METHYL ETHYL KETONE	8.025	43	974926	23.05	PPBV	98
29) cis-1,2-DICHLOROETHYLENE	8.467	96	666801	24.08	PPBV	100
30) ETHYL ACETATE	8.658	43	1417602	21.32	PPBV	100
31) CHLOROFORM	8.749	83	1588623	22.14	PPBV	100
32) 1,1,1-TRICHLOROETHANE	9.702	97	1579927	21.86	PPBV	99
33) CARBON TETRACHLORIDE	10.284	117	1850193	20.95	PPBV	100
34) 1,2-DICHLOROETHANE	9.457	62	899236	22.82	PPBV	99
36) BENZENE	10.145	78	1680497	24.26	PPBV	100
37) CYCLOHEXANE	10.408	84	757683	23.19	PPBV	97
38) TRICHLOROETHYLENE	11.139	95	931996	23.34	PPBV	99
39) 1,2-DICHLOROPROPANE	10.916	63	553980	23.28	PPBV	99
40) BROMODICHLOROMETHANE	11.102	83	1592585	23.62	PPBV	100
41) 2,2,4-TRIMETHYLPENTANE	11.162	57	2638334	23.95	PPBV	99
42) 1,4-DIOXANE	11.125	88	342447	25.54	PPBV	88
43) HEPTANE	11.400	43	920735	24.82	PPBV	100

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\
Data File : Q4403.D
Acq On : 27 Aug 2007 2:37 pm
Operator : danat
Sample : ic232-20 (M053)
Misc : MS14080, MSQ232,,,,,1
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Aug 27 15:04:26 2007
Quant Method : C:\msdchem\1\METHODS\Q082707T.m
Quant Title : TO15 by GCMS w/DB-1 60 m X .25 mm ID 1.0 um
QLast Update : Mon Aug 27 14:18:53 2007
Response via : Initial Calibration

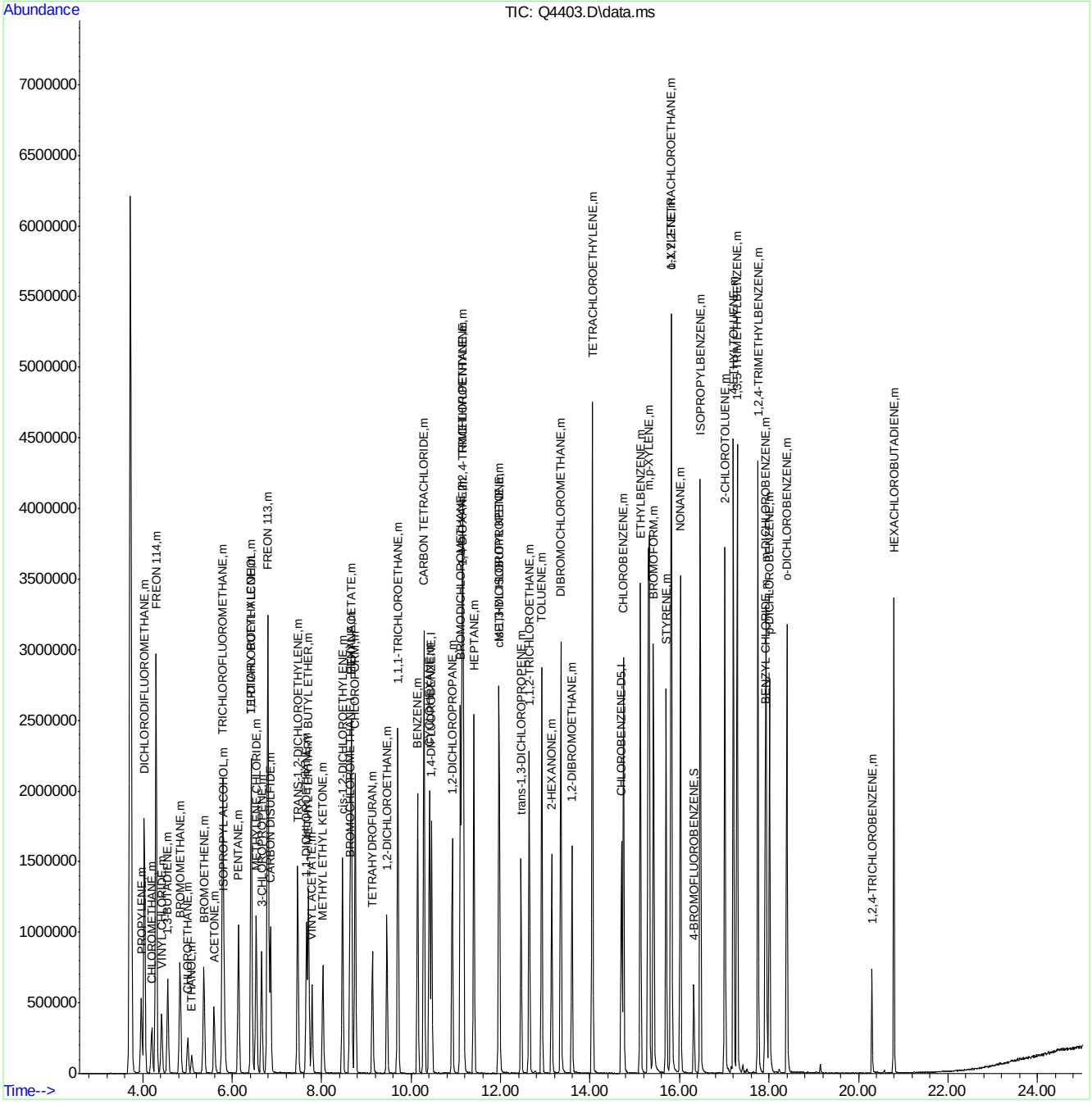
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) METHYL ISOBUTYL KETONE	11.973	43	1145435	25.33	PPBV	99
45) cis-1,3-DICHLOROPROPENE	11.954	75	847843	25.69	PPBV	99
46) TOLUENE	12.919	92	1150518	23.06	PPBV	98
47) trans-1,3-DICHLOROPROPENE	12.454	75	753195	22.06	PPBV	99
48) 1,1,2-TRICHLOROETHANE	12.639	83	588954	24.01	PPBV	98
50) 2-HEXANONE	13.141	43	1014579	28.02	PPBV	100
51) TETRACHLOROETHYLENE	14.050	164	1005975	23.23	PPBV	99
52) DIBROMOCHLOROMETHANE	13.345	129	1584924	24.43	PPBV	100
53) 1,2-DIBROMOETHANE	13.594	107	1031008	24.62	PPBV	100
54) CHLOROBENZENE	14.746	112	1515574	23.87	PPBV	100
55) ETHYLBENZENE	15.124	91	2454647	25.47	PPBV	100
56) m,p-XYLENE	15.319	106	1876015	40.18	PPBV	99
57) o-XYLENE	15.818	106	952750	22.53	PPBV	99
58) STYRENE	15.701	104	1280766	22.56	PPBV	99
59) NONANE	16.018	43	1201152	26.68	PPBV	99
60) BROMOFORM	15.418	173	1463523m	18.74	PPBV	
62) 1,1,2,2-TETRACHLOROETHANE	15.805	83	1417658	24.78	PPBV	100
63) ISOPROPYLBENZENE	16.462	105	2881982	25.96	PPBV	100
64) 2-CHLOROTOLUENE	17.012	91	2094047	22.91	PPBV	99
65) 4-ETHYLTOLUENE	17.202	105	2674781	22.90	PPBV	99
66) 1,3,5-TRIMETHYLBENZENE	17.287	105	2398930	22.71	PPBV	99
67) 1,2,4-TRIMETHYLBENZENE	17.752	105	2215960	22.80	PPBV	100
68) m-DICHLOROBENZENE	17.935	146	1225549	22.34	PPBV	100
69) BENZYL CHLORIDE	17.914	91	1223882	23.42	PPBV	99
70) p-DICHLOROBENZENE	18.009	146	1102031	22.57	PPBV	99
71) o-DICHLOROBENZENE	18.396	146	1207736	22.51	PPBV	100
72) HEXACHLOROBUTADIENE	20.791	225	548358	17.11	PPBV	99
73) 1,2,4-TRICHLOROBENZENE	20.301	180	206033	23.54	PPBV	95

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

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\
Data File : Q4403.D
Acq On : 27 Aug 2007 2:37 pm
Operator : danat
Sample : ic232-20 (M053)
Misc : MS14080, MSQ232,,,,,1
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Aug 27 15:04:26 2007
Quant Method : C:\msdchem\1\METHODS\Q082707T.m
Quant Title : TO15 by GCMS w/DB-1 60 m X .25 mm ID 1.0 um
QLast Update : Mon Aug 27 14:18:53 2007
Response via : Initial Calibration

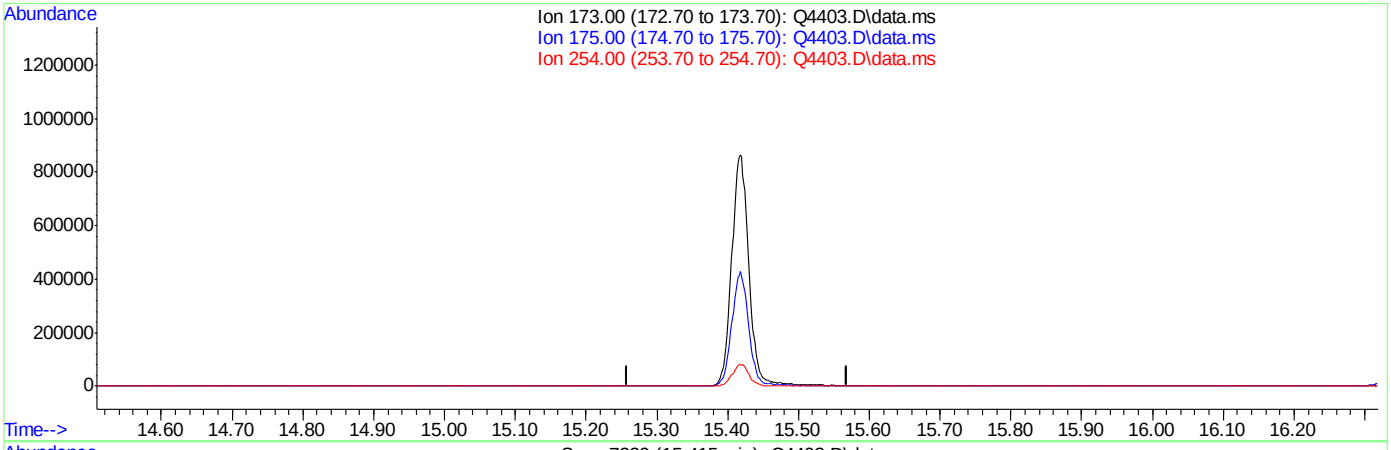


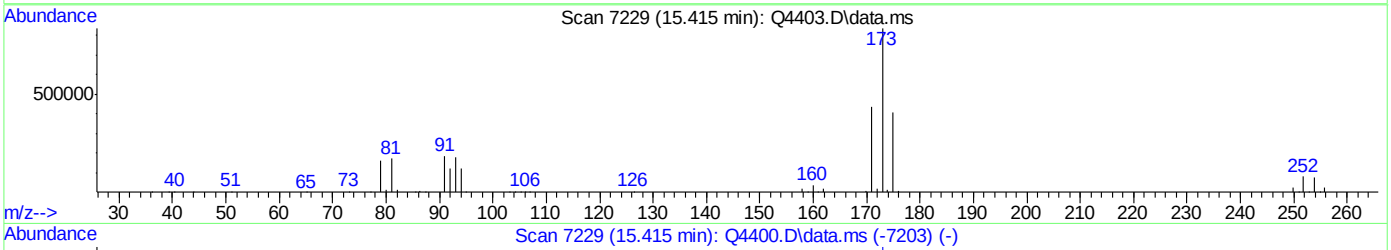
ACCUTEST Laboratories M67318

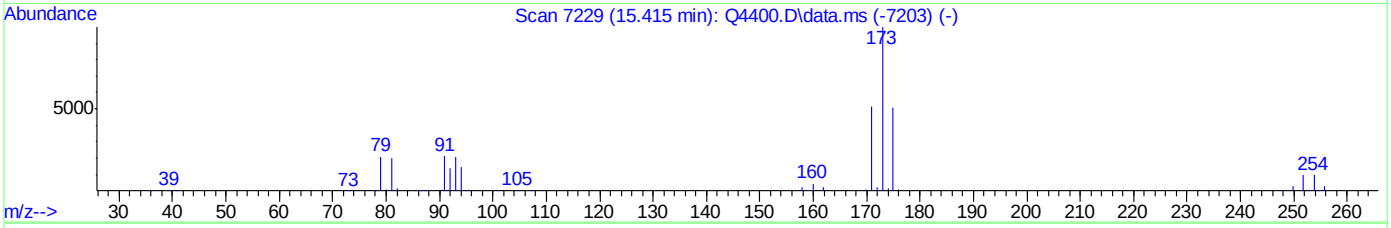
Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\
Data File : Q4403.D
Acq On : 27 Aug 2007 2:37 pm
Operator : danat
Sample : ic232-20 (M053)
Misc : MS14080, MSQ232,,,,,1
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Aug 27 15:03:25 2007
Quant Method : C:\msdchem\1\METHODS\Q082707T.m
Quant Title : TO15 by GCMS w/DB-1 60 m X .25 mm ID 1.0 um
QLast Update : Mon Aug 27 14:18:53 2007
Response via : Initial Calibration







TIC: Q4403.D\data.ms

(60) BROMOFORM (m)

15.414min (-15.414) 0.00PPBV

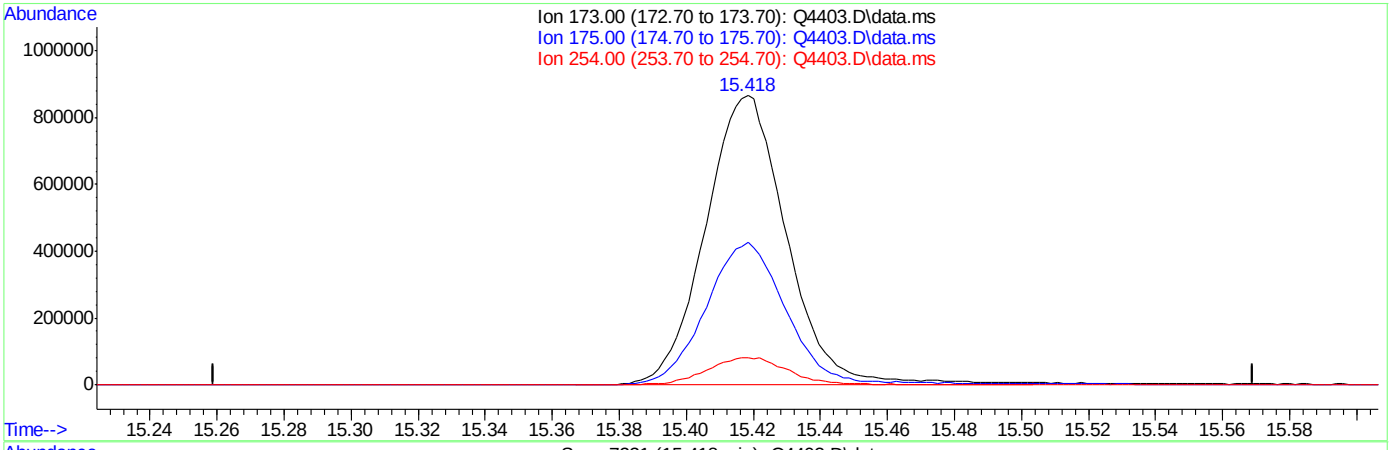
response 0

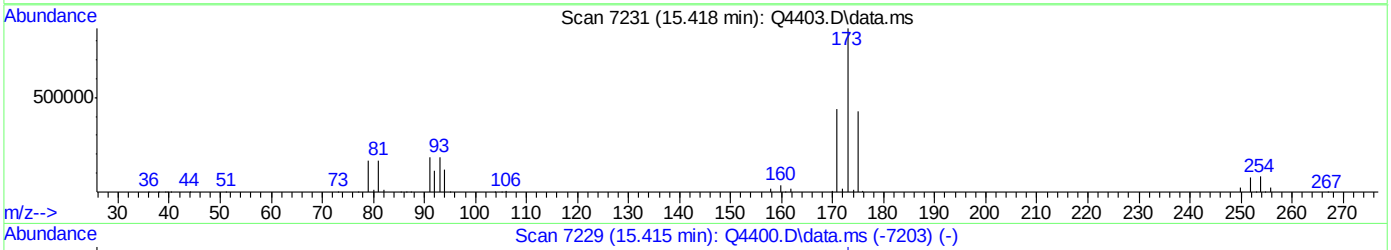
Ion	Exp%	Act%
173.00	100	0.00
175.00	48.70	0.00#
254.00	9.10	0.00
0.00	0.00	0.00

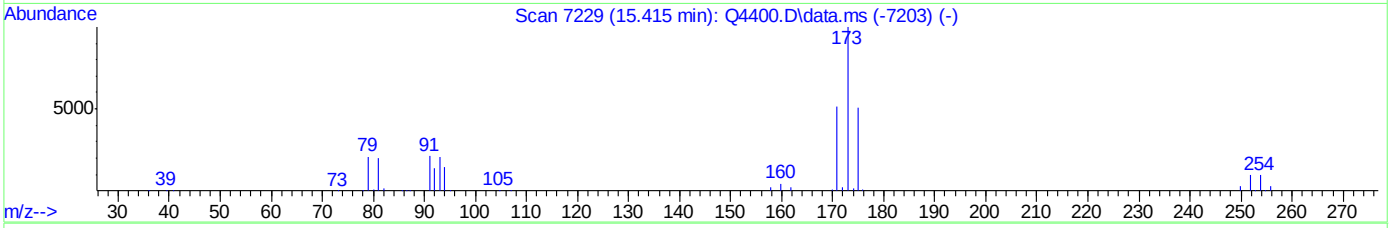
Quantitation Report (Qedit)

```
Data Path : C:\msdchem\1\DATA\
Data File : Q4403.D
Acq On    : 27 Aug 2007   2:37 pm
Operator  : danat
Sample    : ic232-20 (M053)
Misc      : MS14080, MSQ232,,,,,1
ALS Vial  : 2   Sample Multiplier: 1

Quant Time: Aug 27 15:03:25 2007
Quant Method : C:\msdchem\1\METHODS\Q082707T.m
Quant Title  : TO15  by GCMS w/DB-1 60 m X .25 mm ID 1.0 um
QLast Update : Mon Aug 27 14:18:53 2007
Response via : Initial Calibration
```





TIC: Q4403.D\data.ms

(60) BROMOFORM (m)

15.418min (+0.004) 18.74PPBV m

response 1463523

Ion	Exp%	Act%
173.00	100	100
175.00	48.70	0.00#
254.00	9.10	0.00
0.00	0.00	0.00

ACCUTEST Laboratories M67318

Manual Integrations APPROVED (compounds with "m" flag)
Philip Bassignani
08/29/07 18:17

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\
Data File : Q4404a.D
Acq On : 27 Aug 2007 3:23 pm
Operator : danat
Sample : cc232-10 (M055)
Misc : MS14080, MSQ232,,,,,1
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Aug 28 11:58:51 2007
Quant Method : C:\msdchem\1\METHODS\Q082707T.m
Quant Title : TO15 by GCMS w/DB-1 60 m X .25 mm ID 1.0 um
QLast Update : Mon Aug 27 15:05:38 2007
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) BROMOCHLOROMETHANE	8.630	128	324351	10.00	PPBV	0.00
35) 1,4-DIFLUOROBENZENE	10.454	114	1526640	10.00	PPBV	0.00
49) CHLOROBENZENE-D5	14.698	117	987264	10.00	PPBV	0.00

System Monitoring Compounds

61) 4-BROMOFLUOROBENZENE	16.320	95	217301	5.18	PPBV	0.00

Spiked Amount 5.000 Range 57 - 139 Recovery = 103.60%

Target Compounds						Qvalue
2) DICHLORODIFLUOROMETHANE	4.035	85	1435889	9.84	PPBV	99
3) PROPYLENE	3.962	41	245570	10.05	PPBV	97
4) FREON 114	4.298	85	1386284	10.05	PPBV	100
5) CHLOROMETHANE	4.197	50	315339	10.22	PPBV	94
6) VINYL CHLORIDE	4.420	62	397738	10.53	PPBV	98
7) 1,3-BUTADIENE	4.557	39	264869	10.05	PPBV	100
8) BROMOMETHANE	4.834	94	465640	10.30	PPBV	100
9) CHLOROETHANE	5.009	64	166538	10.77	PPBV	99
10) TRICHLOROFLUOROMETHANE	5.788	101	1401539	9.88	PPBV	99
11) ISOPROPYL ALCOHOL	5.819	45	424208	10.26	PPBV	98
12) ACETONE	5.593	43	368336	9.73	PPBV	99
13) PENTANE	6.142	42	289251	9.46	PPBV	99
14) 1,1-DICHLOROETHYLENE	6.420	96	404808	10.17	PPBV	99
15) CARBON DISULFIDE	6.853	76	1086097	10.12	PPBV	100
16) ETHANOL	5.093	45	89599	9.71	PPBV	98
17) BROMOETHENE	5.366	106	446550	10.56	PPBV	100
18) METHYLENE CHLORIDE	6.536	84	326723	9.85	PPBV	99
19) 3-CHLOROPROPENE	6.656	39	276858	11.64	PPBV	99
20) FREON 113	6.798	151	798899	9.81	PPBV	99
21) TRANS-1,2-DICHLOROETHY...	7.466	96	370866	10.39	PPBV	99
22) TERTIARY BUTYL ALCOHOL	6.427	59	606691	10.86	PPBV	99
23) METHYL TERTIARY BUTYL ...	7.702	73	722066	10.62	PPBV	100
24) TETRAHYDROFURAN	9.136	42	240135	11.69	PPBV	99
25) HEXANE	8.665	57	439542	9.17	PPBV	99
26) VINYL ACETATE	7.783	43	465497	10.34	PPBV	98
27) 1,1-DICHLOROETHANE	7.659	63	588329	10.78	PPBV	100
28) METHYL ETHYL KETONE	8.025	43	492585	10.38	PPBV	97
29) cis-1,2-DICHLOROETHYLENE	8.463	96	359801	11.63	PPBV	99
30) ETHYL ACETATE	8.658	43	745197	9.97	PPBV	100
31) CHLOROFORM	8.751	83	858706	10.77	PPBV	100
32) 1,1,1-TRICHLOROETHANE	9.702	97	857396	10.83	PPBV	100
33) CARBON TETRACHLORIDE	10.284	117	1020323	10.58	PPBV	100
34) 1,2-DICHLOROETHANE	9.457	62	475385	10.95	PPBV	100
36) BENZENE	10.144	78	902510	11.32	PPBV	100
37) CYCLOHEXANE	10.405	84	422938	11.29	PPBV	99
38) TRICHLOROETHYLENE	11.139	95	492189	10.77	PPBV	99
39) 1,2-DICHLOROPROPANE	10.918	63	298566	10.88	PPBV	99
40) BROMODICHLOROMETHANE	11.102	83	850943	11.00	PPBV	100
41) 2,2,4-TRIMETHYLPENTANE	11.162	57	1441741	11.41	PPBV	99
42) 1,4-DIOXANE	11.129	88	170377	11.00	PPBV	94
43) HEPTANE	11.402	43	504072	11.77	PPBV	99

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\
Data File : Q4404a.D
Acq On : 27 Aug 2007 3:23 pm
Operator : danat
Sample : cc232-10 (M055)
Misc : MS14080, MSQ232,,,,,1
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Aug 28 11:58:51 2007
Quant Method : C:\msdchem\1\METHODS\Q082707T.m
Quant Title : TO15 by GCMS w/DB-1 60 m X .25 mm ID 1.0 um
QLast Update : Mon Aug 27 15:05:38 2007
Response via : Initial Calibration

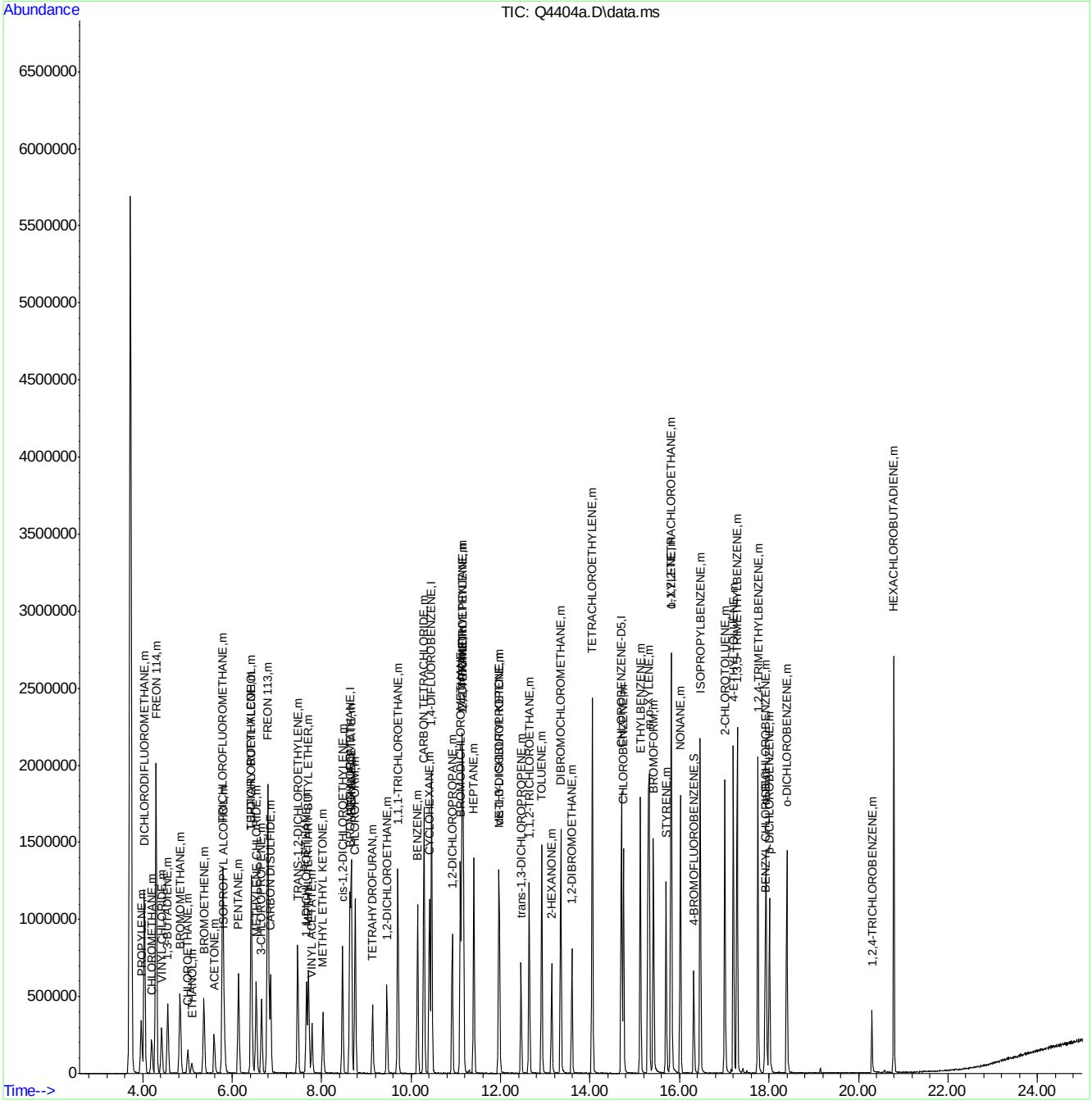
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) METHYL ISOBUTYL KETONE	11.974	43	573393	11.07	PPBV	99
45) cis-1,3-DICHLOROPROPENE	11.956	75	428617	11.41	PPBV	99
46) TOLUENE	12.918	92	577185	10.12	PPBV	100
47) trans-1,3-DICHLOROPROPENE	12.456	75	360743	9.78	PPBV	99
48) 1,1,2-TRICHLOROETHANE	12.637	83	313046	11.06	PPBV	100
50) 2-HEXANONE	13.140	43	462817	9.09	PPBV	100
51) TETRACHLOROETHYLENE	14.048	164	519988	10.75	PPBV	99
52) DIBROMOCHLOROMETHANE	13.344	129	804030	11.09	PPBV	99
53) 1,2-DIBROMOETHANE	13.594	107	505426	10.67	PPBV	100
54) CHLOROBENZENE	14.744	112	763038	10.70	PPBV	99
55) ETHYLBENZENE	15.124	91	1242457	11.55	PPBV	100
56) m,p-XYLENE	15.317	106	934270	19.99	PPBV	99
57) o-XYLENE	15.816	106	480693	10.06	PPBV	99
58) STYRENE	15.697	104	584563	9.40	PPBV	98
59) NONANE	16.018	43	612127	11.75	PPBV	100
60) BROMOFORM	15.415	173	718038m	10.06	PPBV	
62) 1,1,2,2-TETRACHLOROETHANE	15.807	83	733877	11.08	PPBV	100
63) ISOPROPYLBENZENE	16.462	105	1449785	11.42	PPBV	100
64) 2-CHLOROTOLUENE	17.012	91	1036907	10.01	PPBV	99
65) 4-ETHYLTOLUENE	17.202	105	1273665	9.63	PPBV	99
66) 1,3,5-TRIMETHYLBENZENE	17.287	105	1190139	9.89	PPBV	99
67) 1,2,4-TRIMETHYLBENZENE	17.750	105	1063659	9.67	PPBV	100
68) m-DICHLOROBENZENE	17.933	146	536926	9.07	PPBV	100
69) BENZYL CHLORIDE	17.910	91	474718	8.33	PPBV	98
70) p-DICHLOROBENZENE	18.010	146	454911	8.52	PPBV	99
71) o-DICHLOROBENZENE	18.396	146	565360	9.56	PPBV	99
72) HEXACHLOROBUTADIENE	20.791	225	411613	13.33	PPBV	100
73) 1,2,4-TRICHLOROBENZENE	20.299	180	110958	9.31	PPBV	98

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

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\
Data File : Q4404a.D
Acq On : 27 Aug 2007 3:23 pm
Operator : danat
Sample : cc232-10 (M055)
Misc : MS14080, MSQ232,,,,,1
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Aug 28 11:58:51 2007
Quant Method : C:\msdchem\1\METHODS\Q082707T.m
Quant Title : TO15 by GCMS w/DB-1 60 m X .25 mm ID 1.0 um
QLast Update : Mon Aug 27 15:05:38 2007
Response via : Initial Calibration

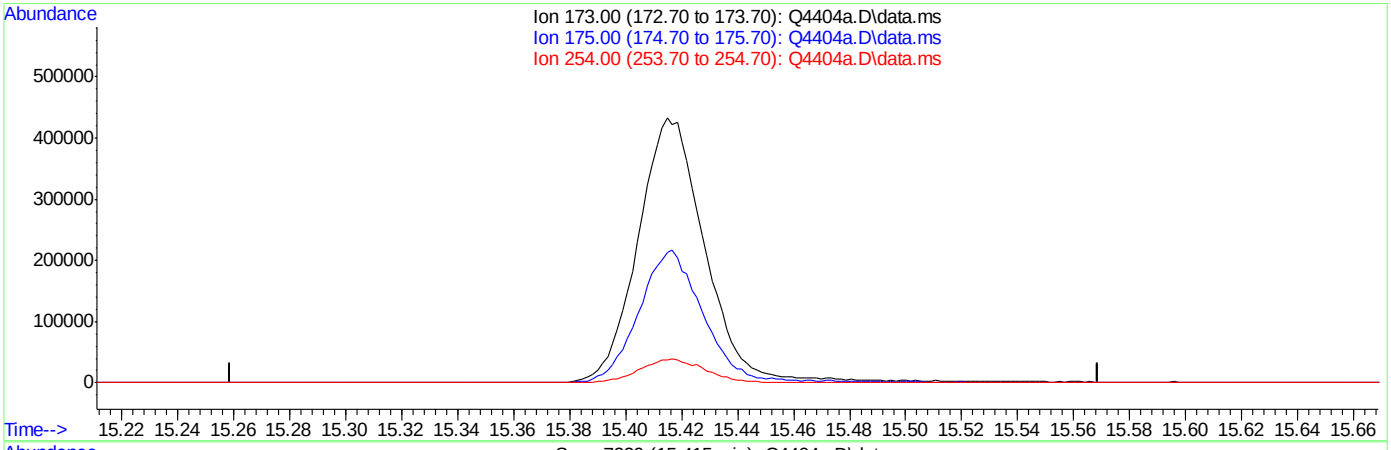


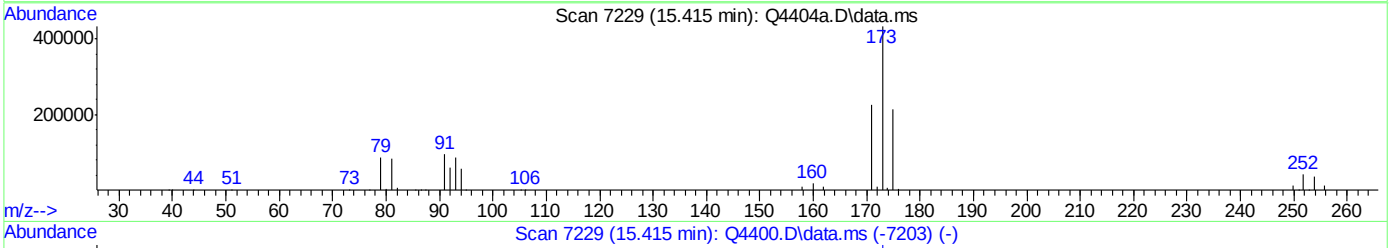
ACCUTEST Laboratories M67318

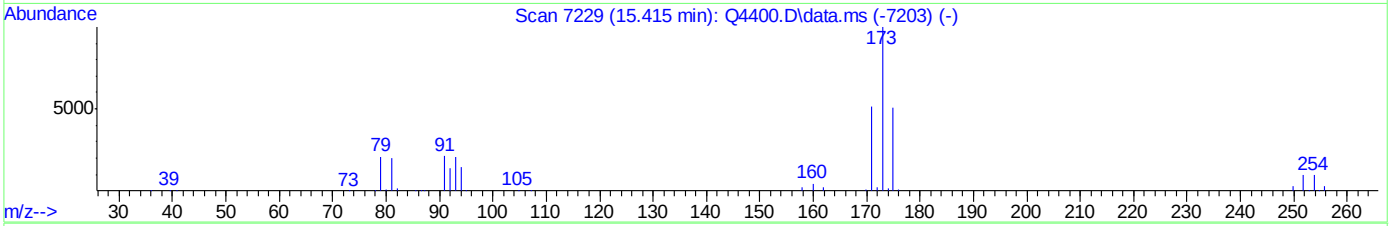
Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\
Data File : Q4404a.D
Acq On : 27 Aug 2007 3:23 pm
Operator : danat
Sample : cc231-10 (M055)
Misc : MS14080, MSQ232,,,,,1
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Aug 27 15:57:26 2007
Quant Method : C:\msdchem\1\METHODS\Q082707T.m
Quant Title : TO15 by GCMS w/DB-1 60 m X .25 mm ID 1.0 um
QLast Update : Mon Aug 27 15:05:38 2007
Response via : Initial Calibration







TIC: Q4404a.D\data.ms

(60) BROMOFORM (m)

15.414min (-15.414) 0.00PPBV

response 0

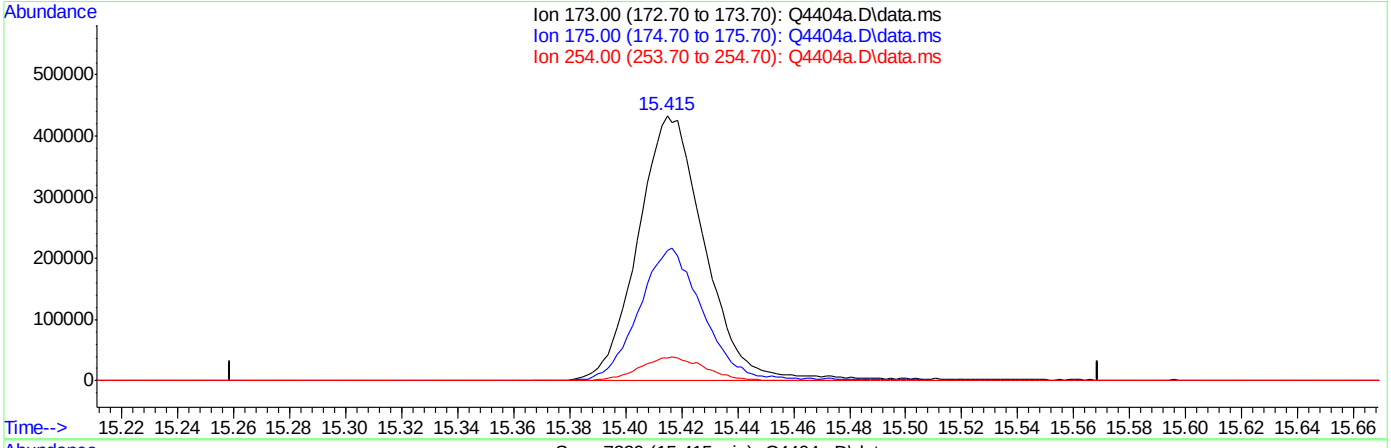
Ion	Exp%	Act%
173.00	100	0.00
175.00	48.70	0.00#
254.00	9.10	0.00
0.00	0.00	0.00

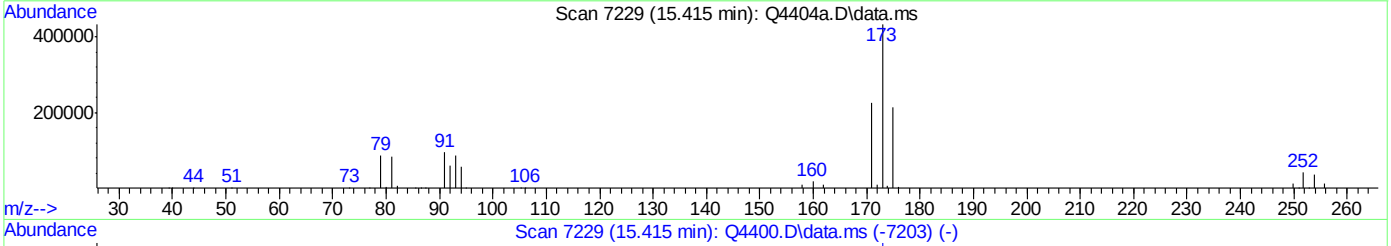
ACCUTEST Laboratories M67318

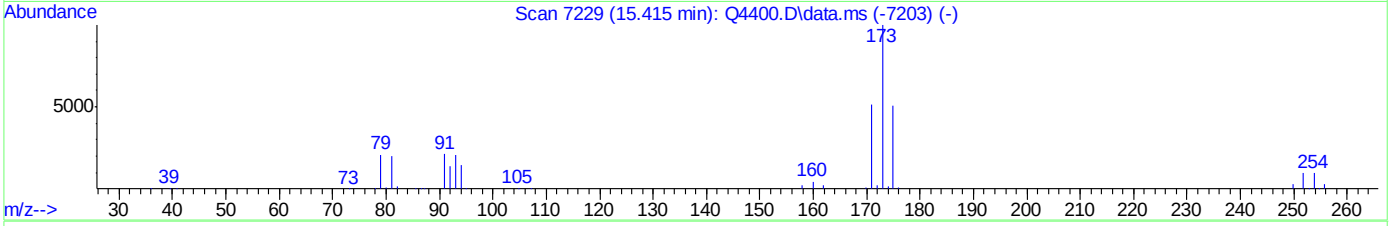
Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\
Data File : Q4404a.D
Acq On : 27 Aug 2007 3:23 pm
Operator : danat
Sample : cc231-10 (M055)
Misc : MS14080, MSQ232,,,,,1
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Aug 27 15:57:26 2007
Quant Method : C:\msdchem\1\METHODS\Q082707T.m
Quant Title : TO15 by GCMS w/DB-1 60 m X .25 mm ID 1.0 um
QLast Update : Mon Aug 27 15:05:38 2007
Response via : Initial Calibration







TIC: Q4404a.D\data.ms

(60) BROMOFORM (m)

15.415min (+0.001) 10.06PPBV m

response 718038

Ion	Exp%	Act%
173.00	100	100
175.00	48.70	0.00#
254.00	9.10	0.00
0.00	0.00	0.00

ACCUTEST Laboratories M67318

Manual Integrations APPROVED (compounds with "m" flag)
Philip Bassignani
08/29/07 18:17

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\
Data File : Q4404.D
Acq On : 27 Aug 2007 3:23 pm
Operator : danat
Sample : icv232-10 (M055)
Misc : MS14080, MSQ232,,,,,1
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Aug 28 11:41:14 2007
Quant Method : C:\msdchem\1\METHODS\Q082707T.m
Quant Title : TO15 by GCMS w/DB-1 60 m X .25 mm ID 1.0 um
QLast Update : Mon Aug 27 15:05:38 2007
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) BROMOCHLOROMETHANE	8.630	128	324351	10.00	PPBV	0.00
35) 1,4-DIFLUOROBENZENE	10.454	114	1526640	10.00	PPBV	0.00
49) CHLOROBENZENE-D5	14.698	117	987264	10.00	PPBV	0.00

System Monitoring Compounds

61) 4-BROMOFLUOROBENZENE	16.320	95	217301	5.18	PPBV	0.00

Spiked Amount 5.000 Range 57 - 139 Recovery = 103.60%

Target Compounds						Qvalue
2) DICHLORODIFLUOROMETHANE	4.035	85	1435889	9.84	PPBV	99
3) PROPYLENE	3.962	41	245570	10.05	PPBV	97
4) FREON 114	4.298	85	1386284	10.05	PPBV	100
5) CHLOROMETHANE	4.197	50	315339	10.22	PPBV	94
6) VINYL CHLORIDE	4.420	62	397738	10.53	PPBV	98
7) 1,3-BUTADIENE	4.557	39	264869	10.05	PPBV	100
8) BROMOMETHANE	4.834	94	465640	10.30	PPBV	100
9) CHLOROETHANE	5.009	64	166538	10.77	PPBV	99
10) TRICHLOROFLUOROMETHANE	5.788	101	1401539	9.88	PPBV	99
11) ISOPROPYL ALCOHOL	5.819	45	424208	10.26	PPBV	98
12) ACETONE	5.593	43	368336	9.73	PPBV	99
13) PENTANE	6.142	42	289251	9.46	PPBV	99
14) 1,1-DICHLOROETHYLENE	6.420	96	404808	10.17	PPBV	99
15) CARBON DISULFIDE	6.853	76	1086097	10.12	PPBV	100
16) ETHANOL	5.093	45	89599	9.71	PPBV	98
17) BROMOETHENE	5.366	106	446550	10.56	PPBV	100
18) METHYLENE CHLORIDE	6.536	84	326723	9.85	PPBV	99
19) 3-CHLOROPROPENE	6.656	39	276858	11.64	PPBV	99
20) FREON 113	6.798	151	798899	9.81	PPBV	99
21) TRANS-1,2-DICHLOROETHY...	7.466	96	370866	10.39	PPBV	99
22) TERTIARY BUTYL ALCOHOL	6.427	59	606691	10.86	PPBV	99
23) METHYL TERTIARY BUTYL ...	7.702	73	722066	10.62	PPBV	100
24) TETRAHYDROFURAN	9.136	42	240135	11.69	PPBV	99
25) HEXANE	8.665	57	439542	9.17	PPBV	99
26) VINYL ACETATE	7.783	43	465497	10.34	PPBV	98
27) 1,1-DICHLOROETHANE	7.659	63	588329	10.78	PPBV	100
28) METHYL ETHYL KETONE	8.025	43	492585	10.38	PPBV	97
29) cis-1,2-DICHLOROETHYLENE	8.463	96	359801	11.63	PPBV	99
30) ETHYL ACETATE	8.658	43	745197	9.97	PPBV	100
31) CHLOROFORM	8.751	83	858706	10.77	PPBV	100
32) 1,1,1-TRICHLOROETHANE	9.702	97	857396	10.83	PPBV	100
33) CARBON TETRACHLORIDE	10.284	117	1020323	10.58	PPBV	100
34) 1,2-DICHLOROETHANE	9.457	62	475385	10.95	PPBV	100
36) BENZENE	10.144	78	902510	11.32	PPBV	100
37) CYCLOHEXANE	10.405	84	422938	11.29	PPBV	99
38) TRICHLOROETHYLENE	11.139	95	492189	10.77	PPBV	99
39) 1,2-DICHLOROPROPANE	10.918	63	298566	10.88	PPBV	99
40) BROMODICHLOROMETHANE	11.102	83	850943	11.00	PPBV	100
41) 2,2,4-TRIMETHYLPENTANE	11.162	57	1441741	11.41	PPBV	99
42) 1,4-DIOXANE	11.129	88	170377	11.00	PPBV	94
43) HEPTANE	11.402	43	504072	11.77	PPBV	99

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\
Data File : Q4404.D
Acq On : 27 Aug 2007 3:23 pm
Operator : danat
Sample : icv232-10 (M055)
Misc : MS14080, MSQ232,,,,,1
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Aug 28 11:41:14 2007
Quant Method : C:\msdchem\1\METHODS\Q082707T.m
Quant Title : TO15 by GCMS w/DB-1 60 m X .25 mm ID 1.0 um
QLast Update : Mon Aug 27 15:05:38 2007
Response via : Initial Calibration

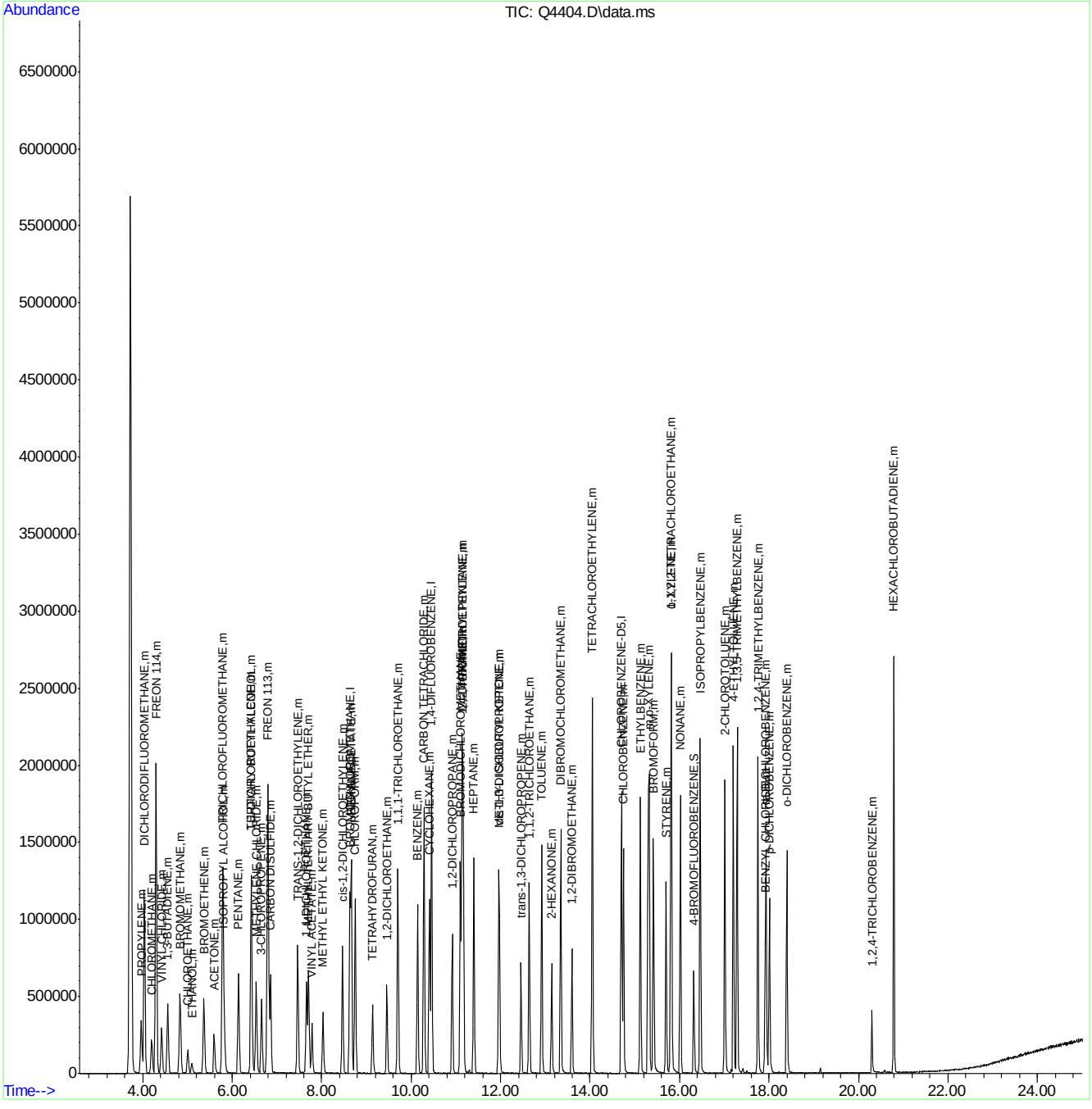
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) METHYL ISOBUTYL KETONE	11.974	43	573393	11.07	PPBV	99
45) cis-1,3-DICHLOROPROPENE	11.956	75	428617	11.41	PPBV	99
46) TOLUENE	12.918	92	577185	10.12	PPBV	100
47) trans-1,3-DICHLOROPROPENE	12.456	75	360743	9.78	PPBV	99
48) 1,1,2-TRICHLOROETHANE	12.637	83	313046	11.06	PPBV	100
50) 2-HEXANONE	13.140	43	462817	9.09	PPBV	100
51) TETRACHLOROETHYLENE	14.048	164	519988	10.75	PPBV	99
52) DIBROMOCHLOROMETHANE	13.344	129	804030	11.09	PPBV	99
53) 1,2-DIBROMOETHANE	13.594	107	505426	10.67	PPBV	100
54) CHLOROBENZENE	14.744	112	763038	10.70	PPBV	99
55) ETHYLBENZENE	15.124	91	1242457	11.55	PPBV	100
56) m,p-XYLENE	15.317	106	934270	19.99	PPBV	99
57) o-XYLENE	15.816	106	480693	10.06	PPBV	99
58) STYRENE	15.697	104	584563	9.40	PPBV	98
59) NONANE	16.018	43	612127	11.75	PPBV	100
60) BROMOFORM	15.415	173	722072m	10.11	PPBV	
62) 1,1,2,2-TETRACHLOROETHANE	15.807	83	733877	11.08	PPBV	100
63) ISOPROPYLBENZENE	16.462	105	1449785	11.42	PPBV	100
64) 2-CHLOROTOLUENE	17.012	91	1036907	10.01	PPBV	99
65) 4-ETHYLTOLUENE	17.202	105	1273665	9.63	PPBV	99
66) 1,3,5-TRIMETHYLBENZENE	17.287	105	1190139	9.89	PPBV	99
67) 1,2,4-TRIMETHYLBENZENE	17.750	105	1063659	9.67	PPBV	100
68) m-DICHLOROBENZENE	17.933	146	536926	9.07	PPBV	100
69) BENZYL CHLORIDE	17.910	91	474718	8.33	PPBV	98
70) p-DICHLOROBENZENE	18.010	146	454911	8.52	PPBV	99
71) o-DICHLOROBENZENE	18.396	146	565360	9.56	PPBV	99
72) HEXACHLOROBUTADIENE	20.791	225	411613	13.33	PPBV	100
73) 1,2,4-TRICHLOROBENZENE	20.299	180	110958	9.31	PPBV	98

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

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\
Data File : Q4404.D
Acq On : 27 Aug 2007 3:23 pm
Operator : danat
Sample : icv232-10 (M055)
Misc : MS14080, MSQ232,,,,,1
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Aug 28 11:41:14 2007
Quant Method : C:\msdchem\1\METHODS\Q082707T.m
Quant Title : TO15 by GCMS w/DB-1 60 m X .25 mm ID 1.0 um
QLast Update : Mon Aug 27 15:05:38 2007
Response via : Initial Calibration

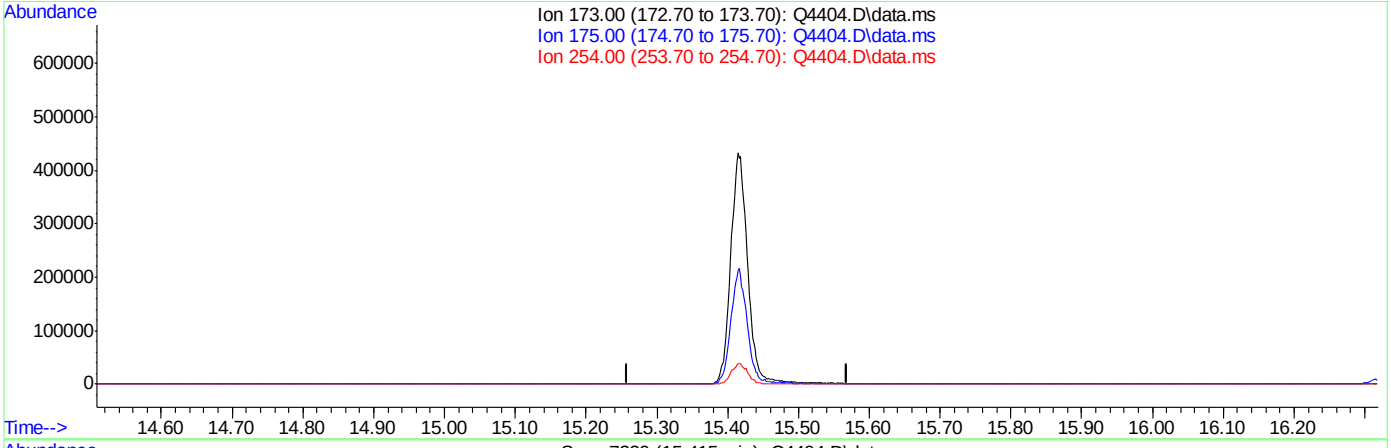


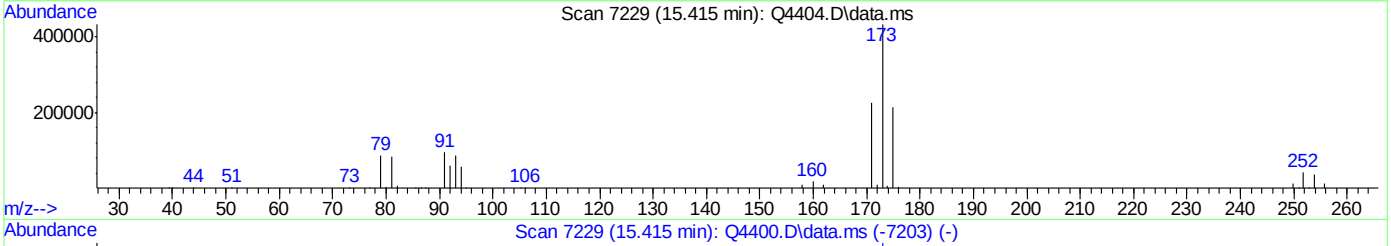
ACCUTEST Laboratories
M67318

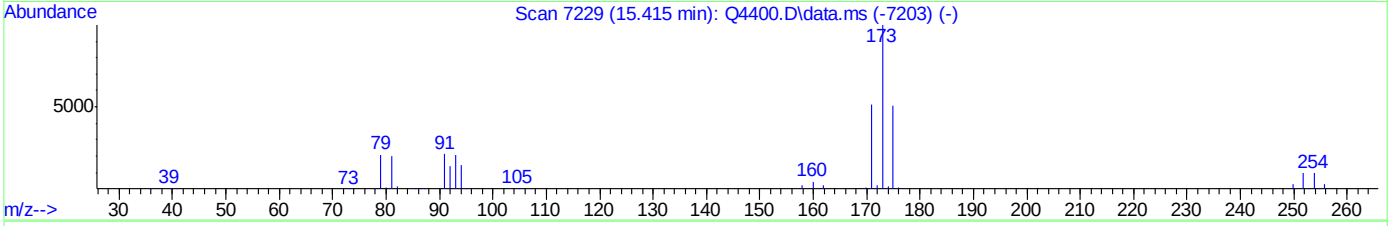
Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\
Data File : Q4404.D
Acq On : 27 Aug 2007 3:23 pm
Operator : danat
Sample : icv231-10 (M055)
Misc : MS14080, MSQ232,,,,,1
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Aug 27 15:57:26 2007
Quant Method : C:\msdchem\1\METHODS\Q082707T.m
Quant Title : TO15 by GCMS w/DB-1 60 m X .25 mm ID 1.0 um
QLast Update : Mon Aug 27 15:05:38 2007
Response via : Initial Calibration







TIC: Q4404.D\data.ms

(60) BROMOFORM (m)

15.414min (-15.414) 0.00PPBV

response 0

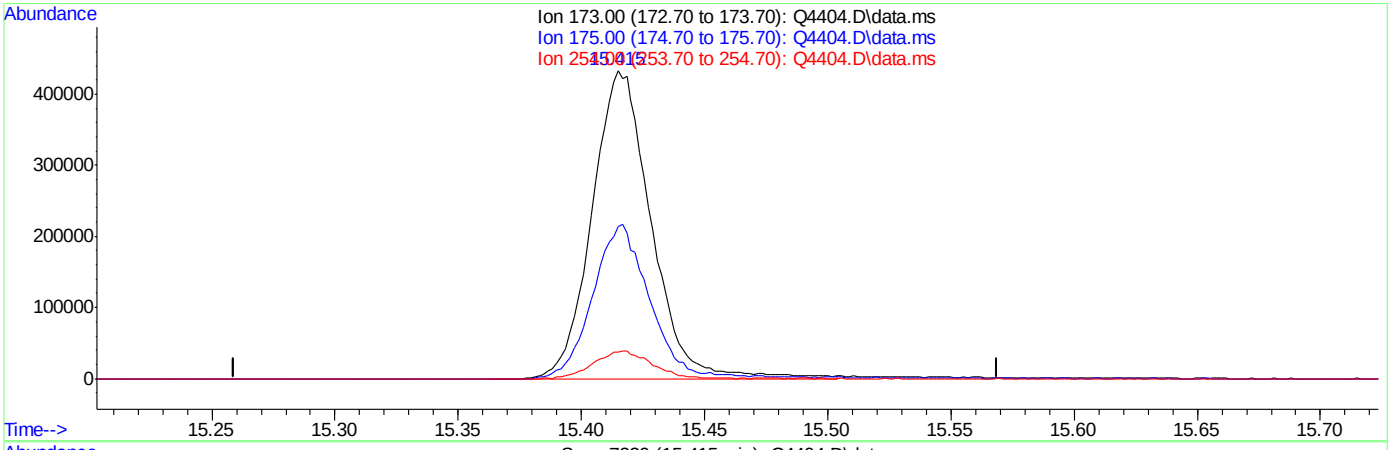
Ion	Exp%	Act%
173.00	100	0.00
175.00	48.70	0.00#
254.00	9.10	0.00
0.00	0.00	0.00

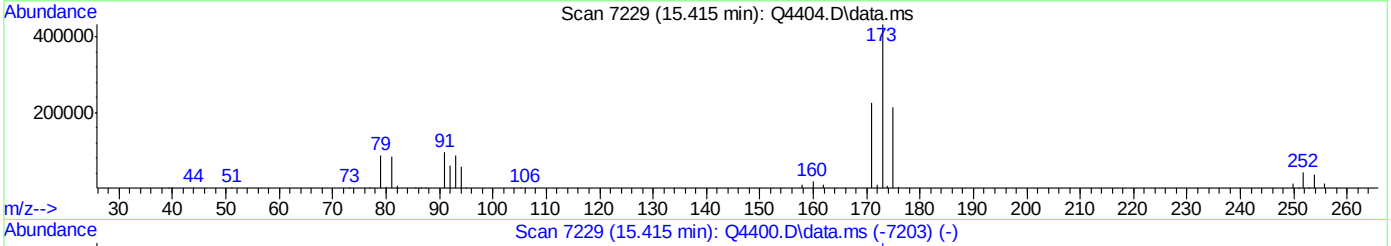
ACCUTEST Laboratories M67318

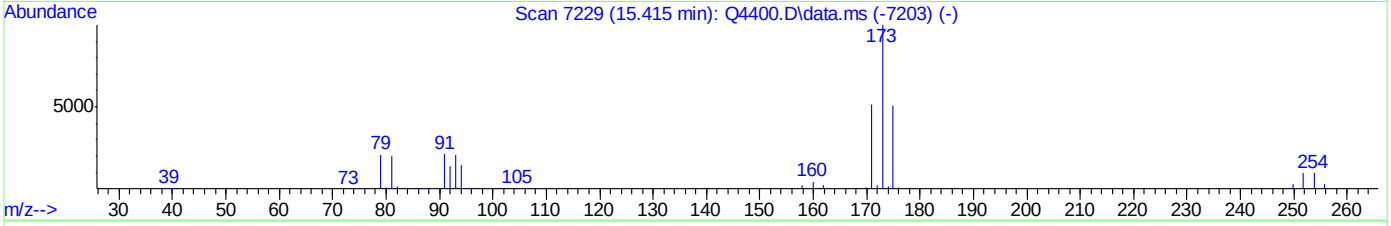
Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\
Data File : Q4404.D
Acq On : 27 Aug 2007 3:23 pm
Operator : danat
Sample : icv231-10 (M055)
Misc : MS14080, MSQ232,,,,,1
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Aug 27 15:57:26 2007
Quant Method : C:\msdchem\1\METHODS\Q082707T.m
Quant Title : TO15 by GCMS w/DB-1 60 m X .25 mm ID 1.0 um
QLast Update : Mon Aug 27 15:05:38 2007
Response via : Initial Calibration







TIC: Q4404.D\data.ms

(60) BROMOFORM (m)

15.415min (+0.001) 10.11PPBV m

response 722072

Ion	Exp%	Act%
173.00	100	100
175.00	48.70	0.00#
254.00	9.10	0.00
0.00	0.00	0.00

Manual Integrations APPROVED (compounds with "m" flag)
Philip Bassignani
08/29/07 18:21

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\
Data File : Q4416.D
Acq On : 28 Aug 2007 4:05 pm
Operator : danat
Sample : cc232-10 (M055)
Misc : MS14080, MSQ233,,,,,1
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Aug 29 14:39:26 2007
Quant Method : C:\msdchem\1\METHODS\Q082707T.m
Quant Title : TO15 by GCMS w/DB-1 60 m X .25 mm ID 1.0 um
QLast Update : Mon Aug 27 15:05:38 2007
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) BROMOCHLOROMETHANE	8.628	128	293497	10.00	PPBV	0.00
35) 1,4-DIFLUOROBENZENE	10.456	114	1385223	10.00	PPBV	0.00
49) CHLOROBENZENE-D5	14.699	117	880274	10.00	PPBV	0.00

System Monitoring Compounds

61) 4-BROMOFLUOROBENZENE	16.316	95	197446	5.28	PPBV	0.00

Spiked Amount 5.000 Range 57 - 139 Recovery = 105.60%

Target Compounds						Qvalue
2) DICHLORODIFLUOROMETHANE	4.035	85	1328167	10.06	PPBV	99
3) PROPYLENE	3.966	41	223345	10.10	PPBV	97
4) FREON 114	4.294	85	1244596	9.97	PPBV	98
5) CHLOROMETHANE	4.202	50	293060	10.50	PPBV	97
6) VINYL CHLORIDE	4.420	62	353206	10.34	PPBV	99
7) 1,3-BUTADIENE	4.553	39	247472	10.38	PPBV	95
8) BROMOMETHANE	4.833	94	419641	10.26	PPBV	100
9) CHLOROETHANE	5.006	64	157893	11.28	PPBV	98
10) TRICHLOROFLUOROMETHANE	5.788	101	1278135	9.96	PPBV	100
11) ISOPROPYL ALCOHOL	5.820	45	381151	10.19	PPBV	88
12) ACETONE	5.595	43	357526	10.43	PPBV	99
13) PENTANE	6.136	42	276929	10.01	PPBV	97
14) 1,1-DICHLOROETHYLENE	6.420	96	366321	10.17	PPBV	97
15) CARBON DISULFIDE	6.853	76	1034836	10.66	PPBV	99
16) ETHANOL	5.094	45	83752	10.03	PPBV	100
17) BROMOETHENE	5.364	106	385330	10.07	PPBV	99
18) METHYLENE CHLORIDE	6.537	84	323990	10.82	PPBV	98
19) 3-CHLOROPROPENE	6.656	39	263817	12.26	PPBV	98
20) FREON 113	6.795	151	742815	10.08	PPBV	97
21) TRANS-1,2-DICHLOROETHY...	7.464	96	350822	10.86	PPBV	99
22) TERTIARY BUTYL ALCOHOL	6.424	59	558862	11.05	PPBV	97
23) METHYL TERTIARY BUTYL ...	7.703	73	658753	10.71	PPBV	98
24) TETRAHYDROFURAN	9.136	42	220474	11.86	PPBV	97
25) HEXANE	8.663	57	427757	9.87	PPBV	97
26) VINYL ACETATE	7.783	43	434537	10.67	PPBV	98
27) 1,1-DICHLOROETHANE	7.659	63	579787	11.74	PPBV	100
28) METHYL ETHYL KETONE	8.026	43	457633	10.66	PPBV	98
29) cis-1,2-DICHLOROETHYLENE	8.465	96	319321	11.41	PPBV	97
30) ETHYL ACETATE	8.660	43	722245	10.68	PPBV	100
31) CHLOROFORM	8.749	83	818135	11.34	PPBV	99
32) 1,1,1-TRICHLOROETHANE	9.703	97	804986	11.23	PPBV	98
33) CARBON TETRACHLORIDE	10.282	117	965514	11.06	PPBV	99
34) 1,2-DICHLOROETHANE	9.457	62	455618	11.59	PPBV	99
36) BENZENE	10.144	78	833111	11.52	PPBV	99
37) CYCLOHEXANE	10.406	84	394582	11.60	PPBV	99
38) TRICHLOROETHYLENE	11.137	95	475665	11.47	PPBV	98
39) 1,2-DICHLOROPROPANE	10.916	63	285334	11.46	PPBV	99
40) BROMODICHLOROMETHANE	11.102	83	794102	11.31	PPBV	98
41) 2,2,4-TRIMETHYLPENTANE	11.162	57	1428235	12.46	PPBV	98
42) 1,4-DIOXANE	11.129	88	158837	11.30	PPBV	98
43) HEPTANE	11.400	43	500028	12.87	PPBV	98

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\
Data File : Q4416.D
Acq On : 28 Aug 2007 4:05 pm
Operator : danat
Sample : cc232-10 (M055)
Misc : MS14080, MSQ233,,,,,1
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Aug 29 14:39:26 2007
Quant Method : C:\msdchem\1\METHODS\Q082707T.m
Quant Title : TO15 by GCMS w/DB-1 60 m X .25 mm ID 1.0 um
QLast Update : Mon Aug 27 15:05:38 2007
Response via : Initial Calibration

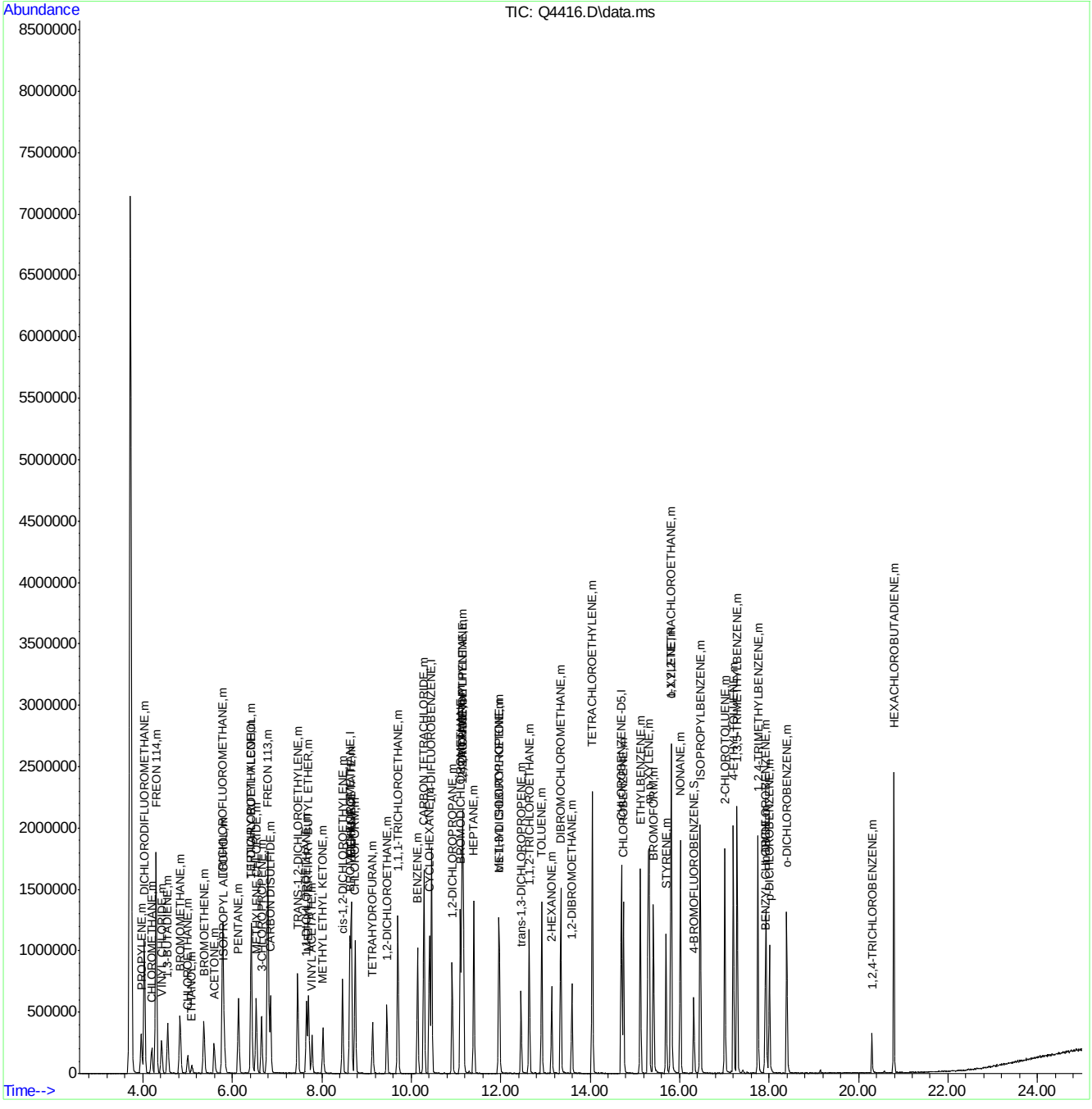
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) METHYL ISOBUTYL KETONE	11.972	43	569007	12.10	PPBV	99
45) cis-1,3-DICHLOROPROPENE	11.956	75	402510	11.81	PPBV	98
46) TOLUENE	12.918	92	530132	10.24	PPBV	100
47) trans-1,3-DICHLOROPROPENE	12.456	75	316376	9.49	PPBV	98
48) 1,1,2-TRICHLOROETHANE	12.637	83	294472	11.46	PPBV	99
50) 2-HEXANONE	13.141	43	455453	9.98	PPBV	96
51) TETRACHLOROETHYLENE	14.052	164	468401	10.86	PPBV	98
52) DIBROMOCHLOROMETHANE	13.344	129	748399	11.58	PPBV	100
53) 1,2-DIBROMOETHANE	13.594	107	459037	10.87	PPBV	99
54) CHLOROBENZENE	14.746	112	700802	11.02	PPBV	99
55) ETHYLBENZENE	15.125	91	1128091	11.76	PPBV	100
56) m,p-XYLENE	15.317	106	874164	20.89	PPBV	99
57) o-XYLENE	15.814	106	450545	10.54	PPBV	100
58) STYRENE	15.699	104	521499	9.41	PPBV	98
59) NONANE	16.018	43	623349	13.42	PPBV	99
60) BROMOFORM	15.416	173	652830m	10.24	PPBV	
62) 1,1,2,2-TETRACHLOROETHANE	15.803	83	713938	12.09	PPBV	99
63) ISOPROPYLBENZENE	16.464	105	1347923	11.91	PPBV	99
64) 2-CHLOROTOLUENE	17.012	91	962357	10.38	PPBV	98
65) 4-ETHYLTOLUENE	17.200	105	1178144	9.96	PPBV	100
66) 1,3,5-TRIMETHYLBENZENE	17.285	105	1117252	10.37	PPBV	100
67) 1,2,4-TRIMETHYLBENZENE	17.750	105	982833	10.00	PPBV	99
68) m-DICHLOROBENZENE	17.933	146	471287	8.94	PPBV	99
69) BENZYL CHLORIDE	17.910	91	421459	8.30	PPBV	99
70) p-DICHLOROBENZENE	18.009	146	395204	8.32	PPBV	100
71) o-DICHLOROBENZENE	18.395	146	497001	9.43	PPBV	99
72) HEXACHLOROBUTADIENE	20.792	225	357959	12.99	PPBV	100
73) 1,2,4-TRICHLOROBENZENE	20.301	180	84233	7.93	PPBV	93

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

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\
Data File : Q4416.D
Acq On : 28 Aug 2007 4:05 pm
Operator : danat
Sample : cc232-10 (M055)
Misc : MS14080, MSQ233,,,,,1
ALS Vial : 3 Sample Multiplier: 1

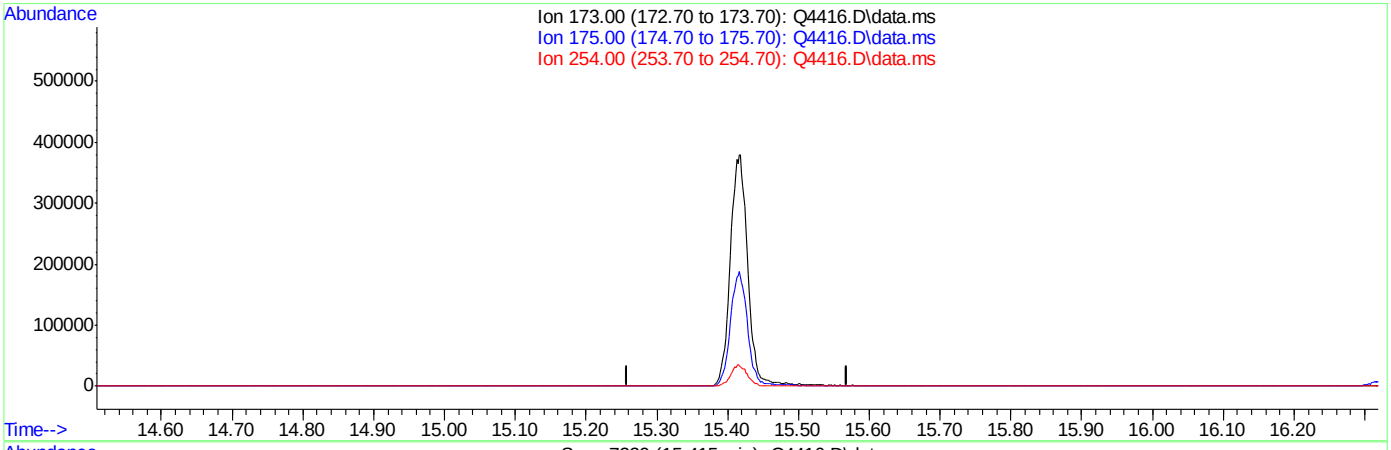
Quant Time: Aug 29 14:39:26 2007
Quant Method : C:\msdchem\1\METHODS\Q082707T.m
Quant Title : TO15 by GCMS w/DB-1 60 m X .25 mm ID 1.0 um
QLast Update : Mon Aug 27 15:05:38 2007
Response via : Initial Calibration

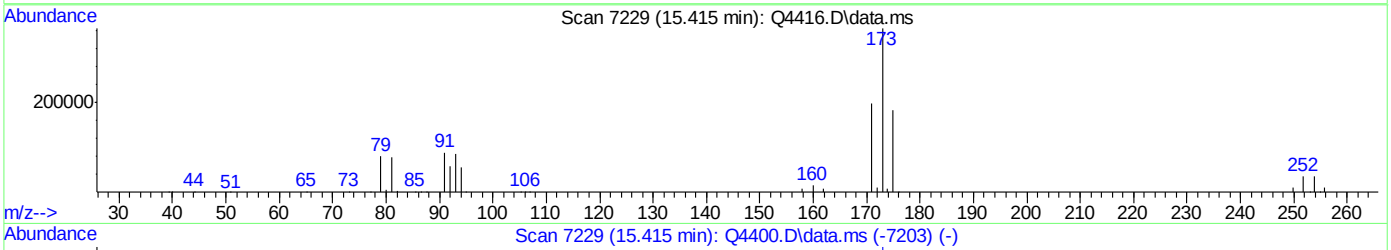


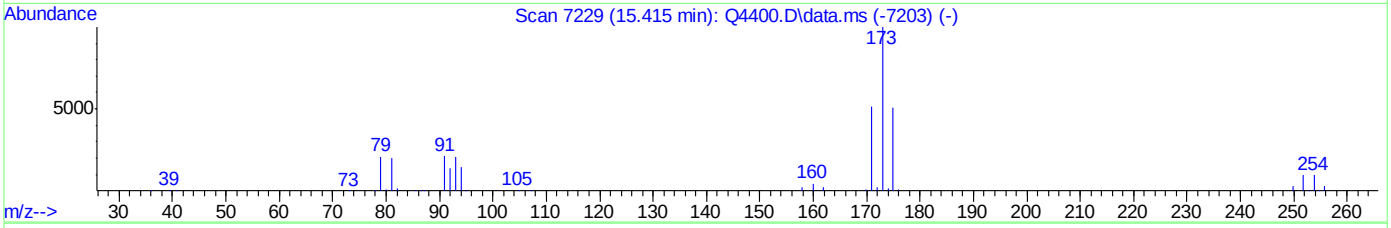
Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\
Data File : Q4416.D
Acq On : 28 Aug 2007 4:05 pm
Operator : danat
Sample : cc232-10 (M055)
Misc : MS14080, MSQ233,,,,,1
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Aug 28 16:38:07 2007
Quant Method : C:\msdchem\1\METHODS\Q082707T.m
Quant Title : TO15 by GCMS w/DB-1 60 m X .25 mm ID 1.0 um
QLast Update : Mon Aug 27 15:05:38 2007
Response via : Initial Calibration







TIC: Q4416.D\data.ms

(60) BROMOFORM (m)

15.414min (-15.414) 0.00PPBV

response 0

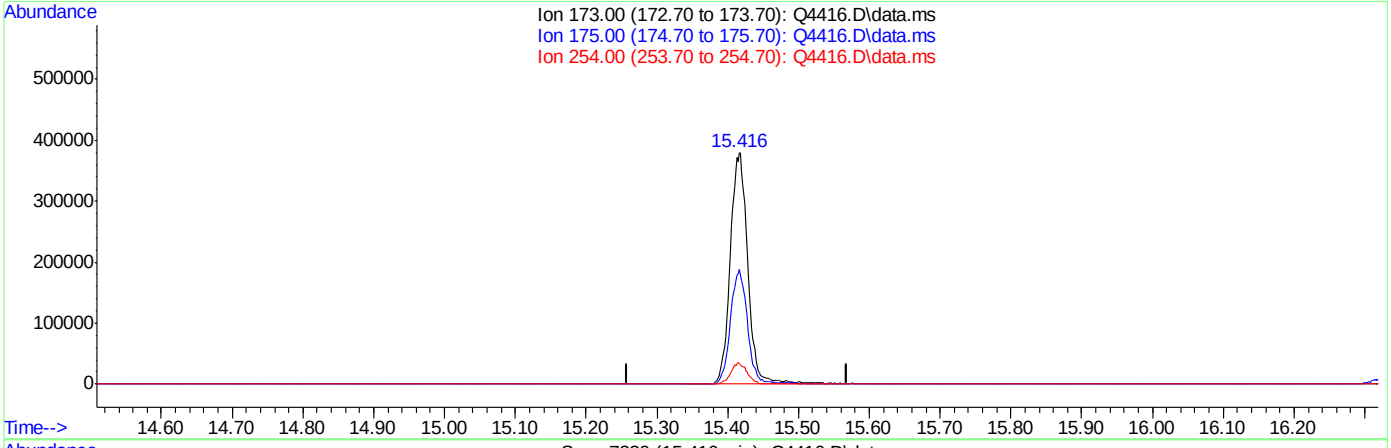
Ion	Exp%	Act%
173.00	100	0.00
175.00	48.70	0.00#
254.00	9.10	0.00
0.00	0.00	0.00

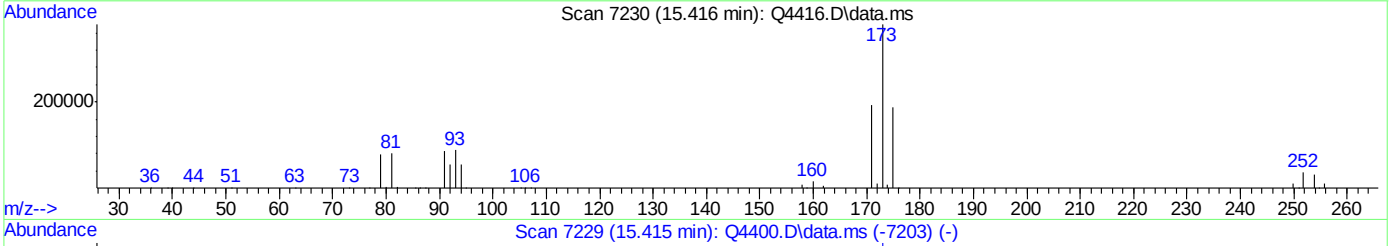
ACCUTEST Laboratories M67318

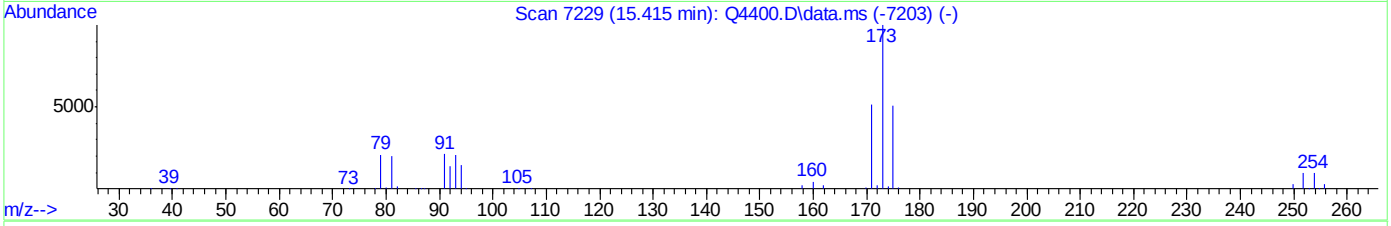
Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\
Data File : Q4416.D
Acq On : 28 Aug 2007 4:05 pm
Operator : danat
Sample : cc232-10 (M055)
Misc : MS14080, MSQ233,,,,,1
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Aug 28 16:38:07 2007
Quant Method : C:\msdchem\1\METHODS\Q082707T.m
Quant Title : TO15 by GCMS w/DB-1 60 m X .25 mm ID 1.0 um
QLast Update : Mon Aug 27 15:05:38 2007
Response via : Initial Calibration







TIC: Q4416.D\data.ms

(60) BROMOFORM (m)

15.416min (+0.002) 10.24PPBV m

response 652830

Ion	Exp%	Act%
173.00	100	100
175.00	48.70	0.00#
254.00	9.10	0.00
0.00	0.00	0.00

ACCUTEST Laboratories M67318

Manual Integrations APPROVED (compounds with "m" flag)
Doug Yargeau
08/31/07 15:19

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\
Data File : Q4448.D
Acq On : 30 Aug 2007 5:41 pm
Operator : danat
Sample : ic234-0.5 (M174)
Misc : MS14204, MSQ234,,,,,1
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Aug 30 18:18:25 2007
Quant Method : C:\msdchem\1\METHODS\Q083007T.m
Quant Title : TO15 by GCMS w/DB-1 60 m X .25 mm ID 1.0 um
QLast Update : Thu Aug 30 18:17:22 2007
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) BROMOCHLOROMETHANE	8.632	128	222003	10.00	PPBV	0.00
35) 1,4-DIFLUOROBENZENE	10.456	114	884585	10.00	PPBV	0.00
49) CHLOROBENZENE-D5	14.696	117	684372	10.00	PPBV	0.00

System Monitoring Compounds

61) 4-BROMOFLUOROBENZENE	16.316	95	205081	5.65	PPBV	0.00

Spiked Amount 5.000 Range 57 - 139 Recovery = 113.00%

Target Compounds						Qvalue
2) DICHLORODIFLUOROMETHANE	4.038	85	55370	0.51	PPBV	98
3) PROPYLENE	3.973	41	10177	0.41	PPBV	86
4) FREON 114	4.294	85	53643	0.52	PPBV	93
5) CHLOROMETHANE	4.203	50	13080	0.46	PPBV	99
6) VINYL CHLORIDE	4.420	62	15043	0.46	PPBV	93
7) 1,3-BUTADIENE	4.558	39	11328	0.46	PPBV	94
8) BROMOMETHANE	4.828	94	18265	0.52	PPBV	98
9) CHLOROETHANE	5.002	64	7420	0.53	PPBV	85
10) TRICHLOROFLUOROMETHANE	5.792	101	59796	0.55	PPBV	98
11) ISOPROPYL ALCOHOL	5.845	45	25306	0.47	PPBV	85
12) ACETONE	5.611	43	34058	0.53	PPBV	96
13) PENTANE	6.133	42	16632	0.47	PPBV	91
14) 1,1-DICHLOROETHYLENE	6.425	96	17555	0.53	PPBV	89
15) CARBON DISULFIDE	6.859	76	50999	0.50	PPBV #	86
16) ETHANOL	5.100	45	5791m	0.43	PPBV	
17) BROMOETHENE	5.369	106	16502	0.51	PPBV #	95
18) METHYLENE CHLORIDE	6.539	84	101841	0.82	PPBV	95
19) 3-CHLOROPROPENE	6.658	39	14594	0.50	PPBV	91
20) FREON 113	6.795	151	40090	0.60	PPBV	90
21) TRANS-1,2-DICHLOROETHY...	7.465	96	17867	0.58	PPBV #	86
22) TERTIARY BUTYL ALCOHOL	6.456	59	26749	0.49	PPBV	90
23) METHYL TERTIARY BUTYL ...	7.723	73	32187	0.43	PPBV	94
24) TETRAHYDROFURAN	9.159	42	7708	0.28	PPBV	99
25) HEXANE	8.669	57	26783	0.47	PPBV	93
26) VINYL ACETATE	7.790	43	22428	0.34	PPBV	98
27) 1,1-DICHLOROETHANE	7.661	63	28928	0.48	PPBV	96
28) METHYL ETHYL KETONE	8.048	43	22829	0.39	PPBV	96
29) cis-1,2-DICHLOROETHYLENE	8.470	96	13280	0.49	PPBV	91
30) ETHYL ACETATE	8.665	43	40145	0.41	PPBV #	97
31) CHLOROFORM	8.750	83	39011	0.52	PPBV	99
32) 1,1,1-TRICHLOROETHANE	9.702	97	37874	0.52	PPBV	98
33) CARBON TETRACHLORIDE	10.286	117	47264	0.56	PPBV	99
34) 1,2-DICHLOROETHANE	9.464	62	20519	0.45	PPBV	99
36) BENZENE	10.140	78	34607	0.52	PPBV	99
37) CYCLOHEXANE	10.412	84	12914	0.44	PPBV	94
38) TRICHLOROETHYLENE	11.139	95	19843	0.57	PPBV	100
39) 1,2-DICHLOROPROPANE	10.916	63	11602	0.46	PPBV	91
40) BROMODICHLOROMETHANE	11.102	83	35731	0.56	PPBV	100
41) 2,2,4-TRIMETHYLPENTANE	11.164	57	54604	0.47	PPBV #	51
42) 1,4-DIOXANE	11.153	88	5390	0.42	PPBV #	1
43) HEPTANE	11.404	43	16881	0.41	PPBV	98

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\
Data File : Q4448.D
Acq On : 30 Aug 2007 5:41 pm
Operator : danat
Sample : ic234-0.5 (M174)
Misc : MS14204, MSQ234,,,,,1
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Aug 30 18:18:25 2007
Quant Method : C:\msdchem\1\METHODS\Q083007T.m
Quant Title : TO15 by GCMS w/DB-1 60 m X .25 mm ID 1.0 um
QLast Update : Thu Aug 30 18:17:22 2007
Response via : Initial Calibration

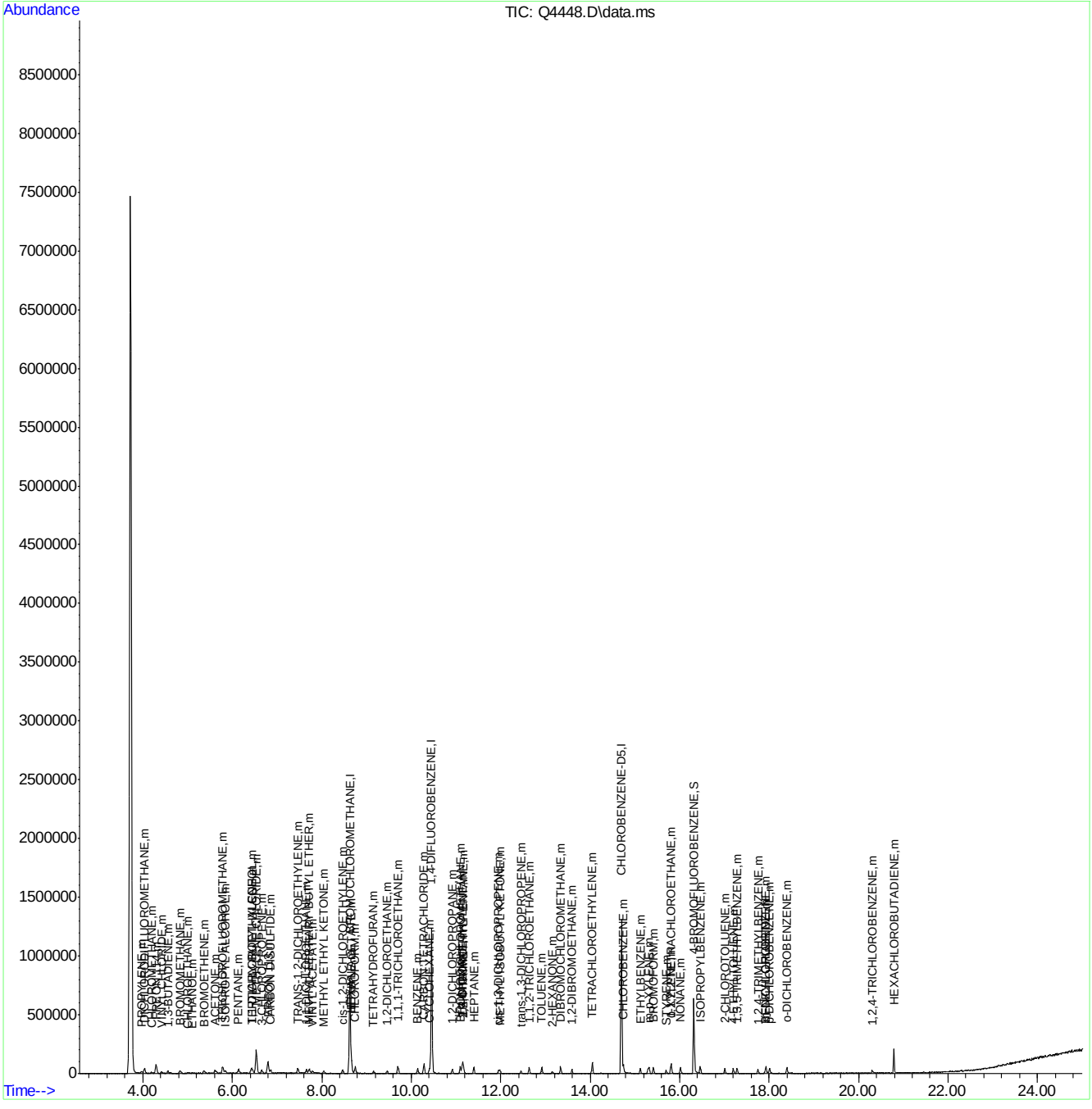
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) METHYL ISOBUTYL KETONE	11.984	43	19337	0.35	PPBV	94
45) cis-1,3-DICHLOROPROPENE	11.957	75	13397	0.42	PPBV	95
46) TOLUENE	12.916	92	20240	0.42	PPBV	100
47) trans-1,3-DICHLOROPROPENE	12.458	75	11744	0.44	PPBV	94
48) 1,1,2-TRICHLOROETHANE	12.641	83	12659	0.51	PPBV	95
50) 2-HEXANONE	13.155	43	13693	0.32	PPBV	94
51) TETRACHLOROETHYLENE	14.052	164	19796	0.59	PPBV	97
52) DIBROMOCHLOROMETHANE	13.342	129	29798	0.54	PPBV	98
53) 1,2-DIBROMOETHANE	13.596	107	20462	0.56	PPBV #	96
54) CHLOROBENZENE	14.746	112	30882	0.55	PPBV	96
55) ETHYLBENZENE	15.125	91	27946	0.33	PPBV	97
56) m,p-XYLENE	15.314	106	21984	0.67	PPBV	97
57) o-XYLENE	15.818	106	11165	0.34	PPBV	93
58) STYRENE	15.695	104	11842	0.33	PPBV	96
59) NONANE	16.020	43	14975	0.28	PPBV	97
60) BROMOFORM	15.416	173	23730	0.51	PPBV #	100
62) 1,1,2,2-TETRACHLOROETHANE	15.805	83	29302	0.50	PPBV	98
63) ISOPROPYLBENZENE	16.462	105	35760	0.36	PPBV	98
64) 2-CHLOROTOLUENE	17.012	91	24493	0.37	PPBV	97
65) 4-ETHYLTOLUENE	17.202	105	24389	0.31	PPBV	96
66) 1,3,5-TRIMETHYLBENZENE	17.285	105	26536	0.35	PPBV	99
67) 1,2,4-TRIMETHYLBENZENE	17.754	105	19057	0.30	PPBV	98
68) m-DICHLOROBENZENE	17.931	146	22862	0.68	PPBV	97
69) BENZYL CHLORIDE	17.915	91	17147	0.46	PPBV	97
70) p-DICHLOROBENZENE	18.006	146	19221	0.68	PPBV	94
71) o-DICHLOROBENZENE	18.398	146	20398	0.61	PPBV	97
72) HEXACHLOROBUTADIENE	20.790	225	31111	1.26	PPBV	97
73) 1,2,4-TRICHLOROBENZENE	20.302	180	7516	1.71	PPBV	91

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

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\
Data File : Q4448.D
Acq On : 30 Aug 2007 5:41 pm
Operator : danat
Sample : ic234-0.5 (M174)
Misc : MS14204, MSQ234,,,,,1
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Aug 30 18:18:25 2007
Quant Method : C:\msdchem\1\METHODS\Q083007T.m
Quant Title : TO15 by GCMS w/DB-1 60 m X .25 mm ID 1.0 um
QLast Update : Thu Aug 30 18:17:22 2007
Response via : Initial Calibration

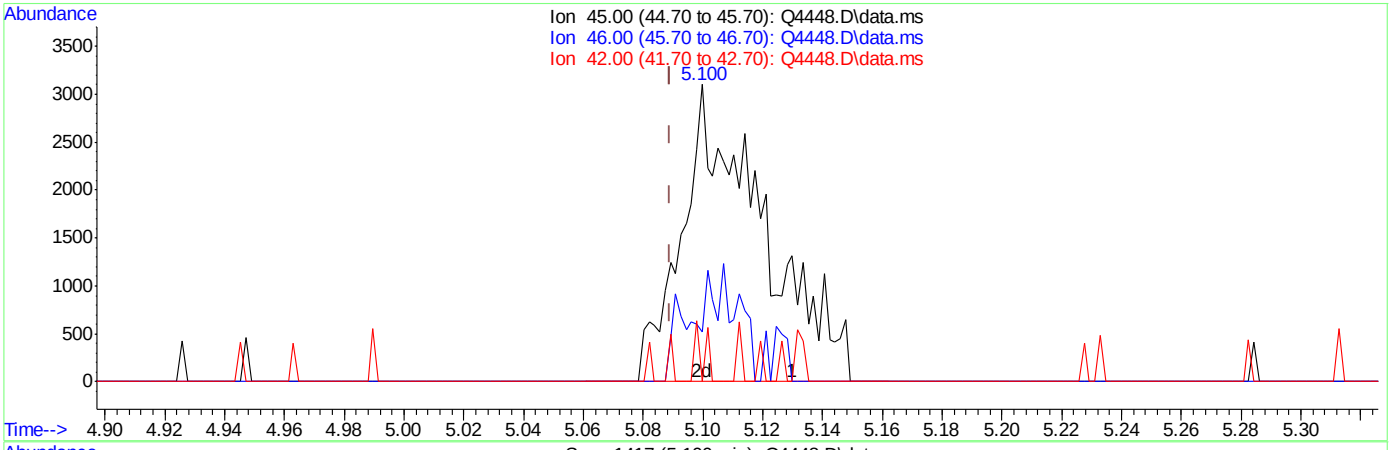


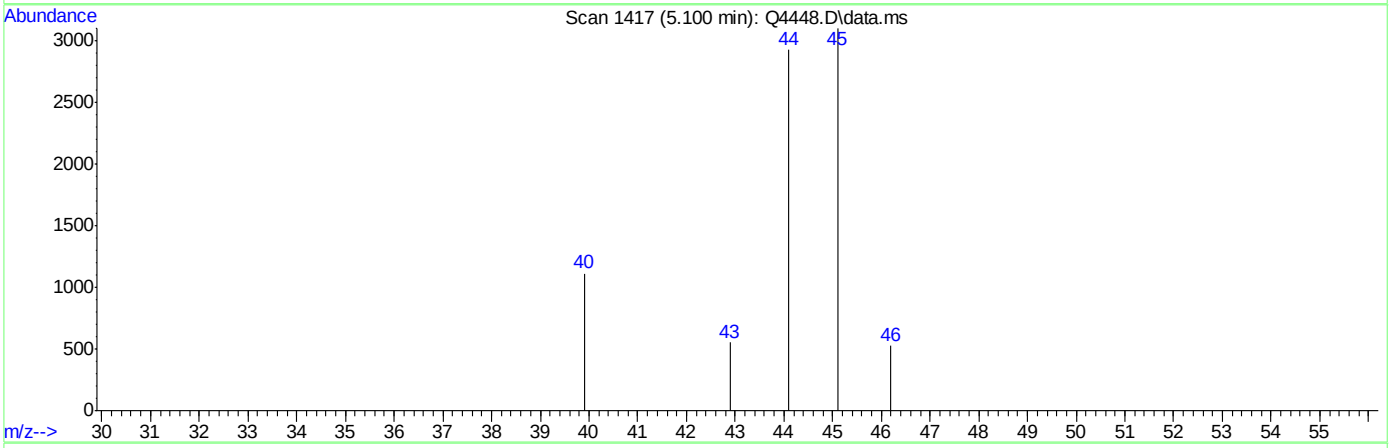
ACCUTEST Laboratories
M67318

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\
Data File : Q4448.D
Acq On : 30 Aug 2007 5:41 pm
Operator : danat
Sample : ic234-0.5 (M174)
Misc : MS14204, MSQ234,,,,,1
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Aug 30 18:18:25 2007
Quant Method : C:\msdchem\1\METHODS\Q083007T.m
Quant Title : TO15 by GCMS w/DB-1 60 m X .25 mm ID 1.0 um
QLast Update : Thu Aug 30 18:17:22 2007
Response via : Initial Calibration





TIC: Q4448.D\data.ms

(16) ETHANOL (m)

5.100min (+0.010) 0.43PPBV m

response 5791

Ion	Exp%	Act%
45.00	100	100
46.00	33.60	2.81#
42.00	11.10	2.56
0.00	0.00	0.00

Manual Integrations APPROVED (compounds with "m" flag)
Doug Yargeau
08/31/07 15:19

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\
Data File : Q4449.D
Acq On : 30 Aug 2007 6:25 pm
Operator : danat
Sample : ic234-0.2 (M174)
Misc : MS14204, MSQ234,,,,,1
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Aug 30 18:52:34 2007
Quant Method : C:\msdchem\1\METHODS\Q083007T.m
Quant Title : TO15 by GCMS w/DB-1 60 m X .25 mm ID 1.0 um
QLast Update : Thu Aug 30 18:17:22 2007
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) BROMOCHLOROMETHANE	8.630	128	226067	10.00	PPBV	0.00
35) 1,4-DIFLUOROBENZENE	10.454	114	969536	10.00	PPBV	0.00
49) CHLOROBENZENE-D5	14.699	117	770912	10.00	PPBV	0.00

System Monitoring Compounds

61) 4-BROMOFLUOROBENZENE	16.320	95	213705	5.23	PPBV	0.00

Spiked Amount 5.000 Range 57 - 139 Recovery = 104.60%

Target Compounds						Qvalue
2) DICHLORODIFLUOROMETHANE	4.040	85	30599	0.28	PPBV	100
3) PROPYLENE	3.960	41	5822	0.23	PPBV	91
4) FREON 114	4.297	85	28570	0.27	PPBV	94
5) CHLOROMETHANE	4.198	50	6567	0.23	PPBV	97
6) VINYL CHLORIDE	4.422	62	7136	0.22	PPBV #	74
7) 1,3-BUTADIENE	4.557	39	4698m	0.19	PPBV	
8) BROMOMETHANE	4.828	94	8273	0.23	PPBV	92
9) CHLOROETHANE	5.007	64	2532	0.18	PPBV #	62
10) TRICHLOROFLUOROMETHANE	5.788	101	29194	0.26	PPBV	98
11) ISOPROPYL ALCOHOL	5.849	45	10055	0.18	PPBV	76
12) ACETONE	5.616	43	14157	0.22	PPBV	80
13) PENTANE	6.131	42	8254	0.23	PPBV	90
14) 1,1-DICHLOROETHYLENE	6.424	96	8559	0.25	PPBV #	84
15) CARBON DISULFIDE	6.848	76	25656	0.25	PPBV #	80
16) ETHANOL	5.107	45	2541m	0.19	PPBV	
17) BROMOETHENE	5.366	106	6760	0.21	PPBV	88
18) METHYLENE CHLORIDE	6.534	84	52907	0.42	PPBV	95
19) 3-CHLOROPROPENE	6.654	39	5223	0.17	PPBV	89
20) FREON 113	6.798	151	17895	0.27	PPBV	92
21) TRANS-1,2-DICHLOROETHY...	7.462	96	7836	0.25	PPBV #	81
22) TERTIARY BUTYL ALCOHOL	6.463	59	10249	0.19	PPBV	92
23) METHYL TERTIARY BUTYL ...	7.717	73	11072	0.14	PPBV	89
24) TETRAHYDROFURAN	9.160	42	2014	0.07	PPBV #	69
25) HEXANE	8.658	57	9158	0.16	PPBV #	26
26) VINYL ACETATE	7.792	43	9303	0.14	PPBV #	1
27) 1,1-DICHLOROETHANE	7.662	63	11262	0.18	PPBV	93
28) METHYL ETHYL KETONE	8.051	43	7678	0.13	PPBV	95
29) cis-1,2-DICHLOROETHYLENE	8.468	96	4674	0.17	PPBV	92
30) ETHYL ACETATE	8.669	43	13509	0.13	PPBV #	95
31) CHLOROFORM	8.750	83	15735	0.20	PPBV	97
32) 1,1,1-TRICHLOROETHANE	9.703	97	15656	0.21	PPBV	97
33) CARBON TETRACHLORIDE	10.284	117	19803	0.23	PPBV	97
34) 1,2-DICHLOROETHANE	9.460	62	7566	0.16	PPBV	95
36) BENZENE	10.147	78	11134	0.15	PPBV	96
37) CYCLOHEXANE	10.417	84	4503	0.14	PPBV	91
38) TRICHLOROETHYLENE	11.139	95	6771	0.18	PPBV	98
39) 1,2-DICHLOROPROPANE	10.917	63	4342	0.16	PPBV	98
40) BROMODICHLOROMETHANE	11.100	83	13272	0.19	PPBV	96
41) 2,2,4-TRIMETHYLPENTANE	11.164	57	16410	0.13	PPBV	92
42) 1,4-DIOXANE	11.161	88	1465	0.10	PPBV #	1
43) HEPTANE	11.391	43	2607	0.06	PPBV #	59

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\
Data File : Q4449.D
Acq On : 30 Aug 2007 6:25 pm
Operator : danat
Sample : ic234-0.2 (M174)
Misc : MS14204, MSQ234,,,,,1
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Aug 30 18:52:34 2007
Quant Method : C:\msdchem\1\METHODS\Q083007T.m
Quant Title : TO15 by GCMS w/DB-1 60 m X .25 mm ID 1.0 um
QLast Update : Thu Aug 30 18:17:22 2007
Response via : Initial Calibration

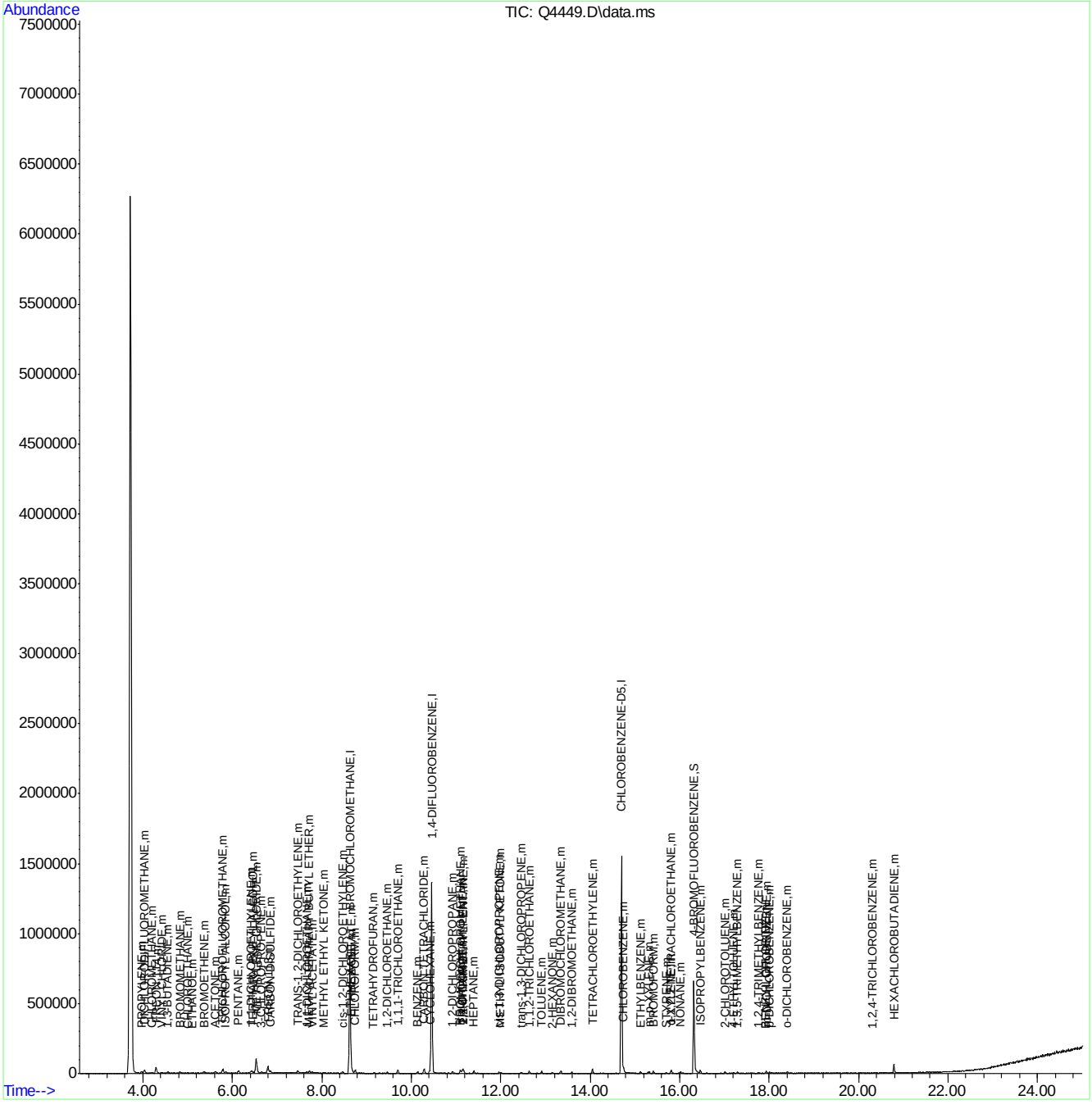
Internal Standards	R.T.	QIon	Response	Conc Units	Dev(Min)
44) METHYL ISOBUTYL KETONE	11.991	43	4833	0.08 PPBV #	87
45) cis-1,3-DICHLOROPROPENE	11.959	75	4211m	0.12 PPBV	
46) TOLUENE	12.919	92	6583	0.13 PPBV	94
47) trans-1,3-DICHLOROPROPENE	12.454	75	3446	0.12 PPBV	91
48) 1,1,2-TRICHLOROETHANE	12.637	83	4750	0.17 PPBV	94
50) 2-HEXANONE	13.159	43	3305	0.07 PPBV #	47
51) TETRACHLOROETHYLENE	14.052	164	6411	0.17 PPBV	95
52) DIBROMOCHLOROMETHANE	13.345	129	10845	0.17 PPBV	96
53) 1,2-DIBROMOETHANE	13.599	107	6490	0.16 PPBV #	93
54) CHLOROBENZENE	14.742	112	12108	0.19 PPBV	96
55) ETHYLBENZENE	15.124	91	8691	0.09 PPBV	99
56) m,p-XYLENE	15.319	106	6123m	0.17 PPBV	
57) o-XYLENE	15.821	106	2888	0.08 PPBV #	22
58) STYRENE	15.695	104	3218	0.08 PPBV	93
59) NONANE	16.020	43	3805	0.06 PPBV #	84
60) BROMOFORM	15.415	173	8673	0.16 PPBV #	100
62) 1,1,2,2-TETRACHLOROETHANE	15.810	83	10040	0.15 PPBV	94
63) ISOPROPYLBENZENE	16.464	105	10788	0.10 PPBV #	71
64) 2-CHLOROTOLUENE	17.014	91	7263	0.10 PPBV	94
65) 4-ETHYLTOLUENE	17.200	105	5597m	0.06 PPBV	
66) 1,3,5-TRIMETHYLBENZENE	17.285	105	6597	0.08 PPBV	98
67) 1,2,4-TRIMETHYLBENZENE	17.754	105	4845	0.07 PPBV	100
68) m-DICHLOROBENZENE	17.938	146	6527	0.17 PPBV	89
69) BENZYL CHLORIDE	17.908	91	3795	0.09 PPBV	81
70) p-DICHLOROBENZENE	18.011	146	5438	0.17 PPBV	90
71) o-DICHLOROBENZENE	18.398	146	6017	0.16 PPBV	93
72) HEXACHLOROBUTADIENE	20.789	225	10324	0.37 PPBV	98
73) 1,2,4-TRICHLOROBENZENE	20.302	180	1266	0.26 PPBV #	69

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

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\
Data File : Q4449.D
Acq On : 30 Aug 2007 6:25 pm
Operator : danat
Sample : ic234-0.2 (M174)
Misc : MS14204, MSQ234,,,,,1
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Aug 30 18:52:34 2007
Quant Method : C:\msdchem\1\METHODS\Q083007T.m
Quant Title : TO15 by GCMS w/DB-1 60 m X .25 mm ID 1.0 um
QLast Update : Thu Aug 30 18:17:22 2007
Response via : Initial Calibration

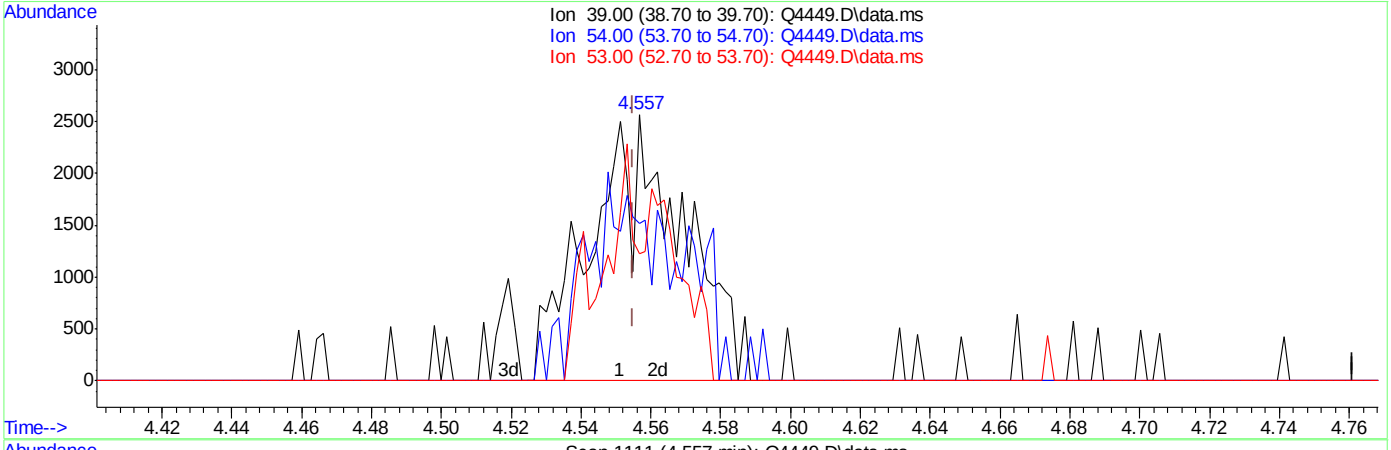


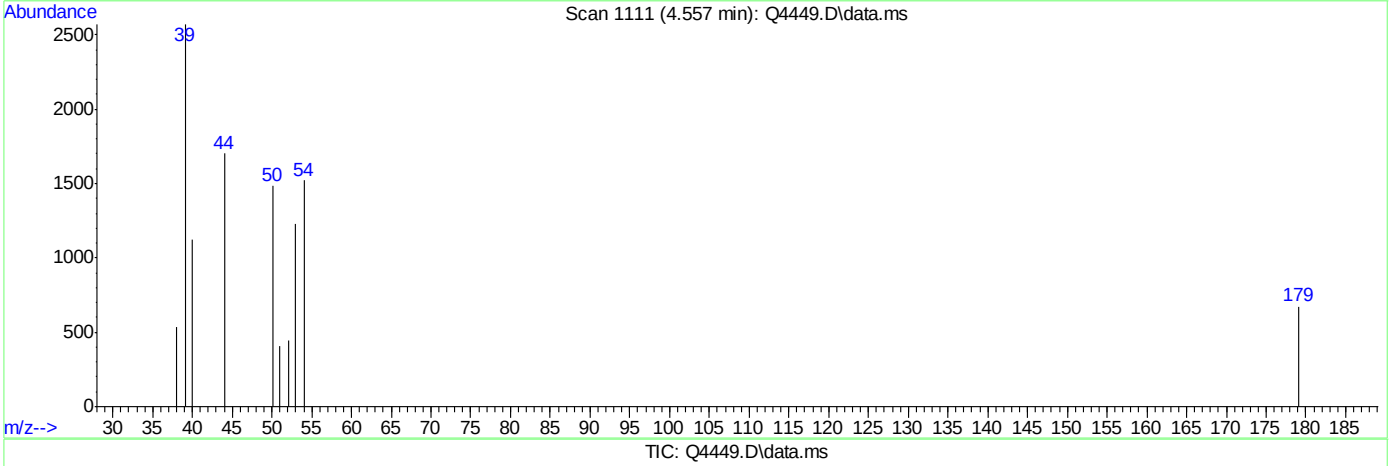
ACCUTEST Laboratories M67318

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\
Data File : Q4449.D
Acq On : 30 Aug 2007 6:25 pm
Operator : danat
Sample : ic234-0.2 (M174)
Misc : MS14204, MSQ234,,,,,1
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Aug 30 18:52:34 2007
Quant Method : C:\msdchem\1\METHODS\Q083007T.m
Quant Title : TO15 by GCMS w/DB-1 60 m X .25 mm ID 1.0 um
QLast Update : Thu Aug 30 18:17:22 2007
Response via : Initial Calibration





TIC: Q4449.D\data.ms

(7) 1,3-BUTADIENE (m)

4.557min (+0.002) 0.19PPBV m

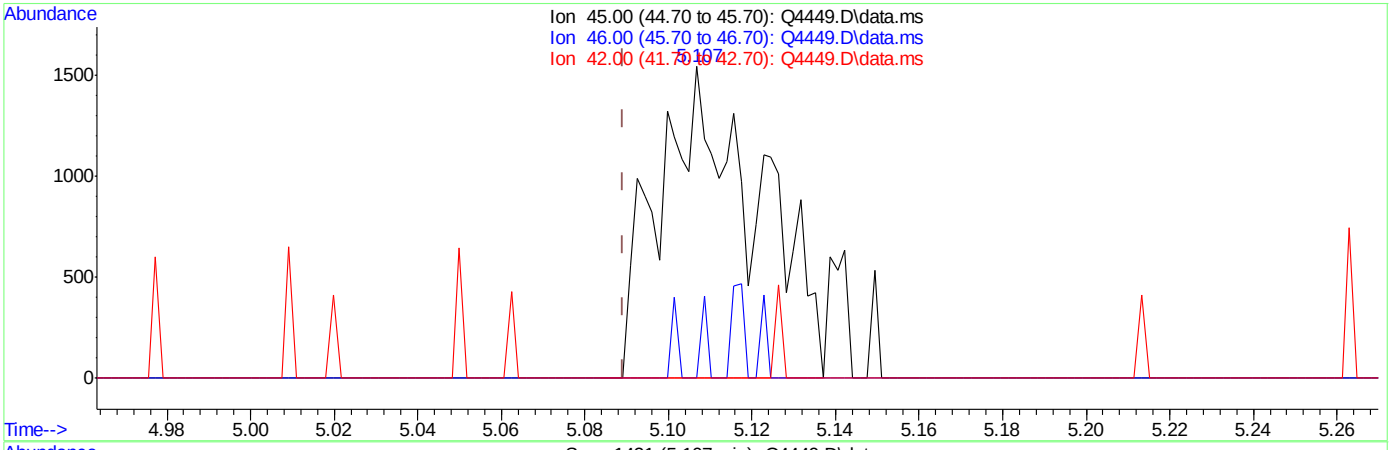
response 4698

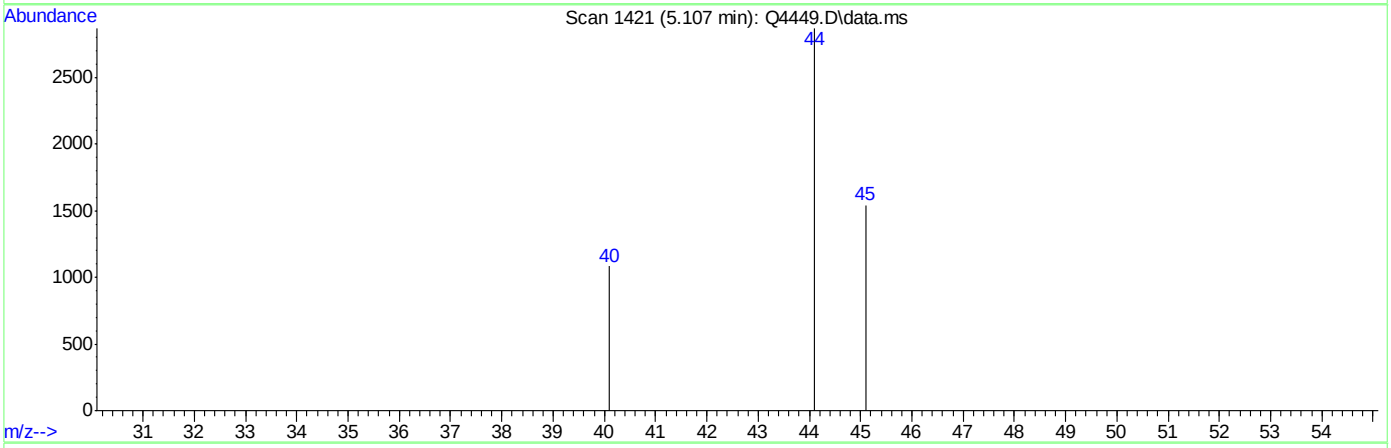
Ion	Exp%	Act%
39.00	100	100
54.00	85.80	76.20
53.00	59.30	61.96
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\
Data File : Q4449.D
Acq On : 30 Aug 2007 6:25 pm
Operator : danat
Sample : ic234-0.2 (M174)
Misc : MS14204, MSQ234,,,,,1
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Aug 30 18:52:34 2007
Quant Method : C:\msdchem\1\METHODS\Q083007T.m
Quant Title : TO15 by GCMS w/DB-1 60 m X .25 mm ID 1.0 um
QLast Update : Thu Aug 30 18:17:22 2007
Response via : Initial Calibration





TIC: Q4449.D\data.ms

(16) ETHANOL (m)

5.107min (+0.018) 0.19PPBV m

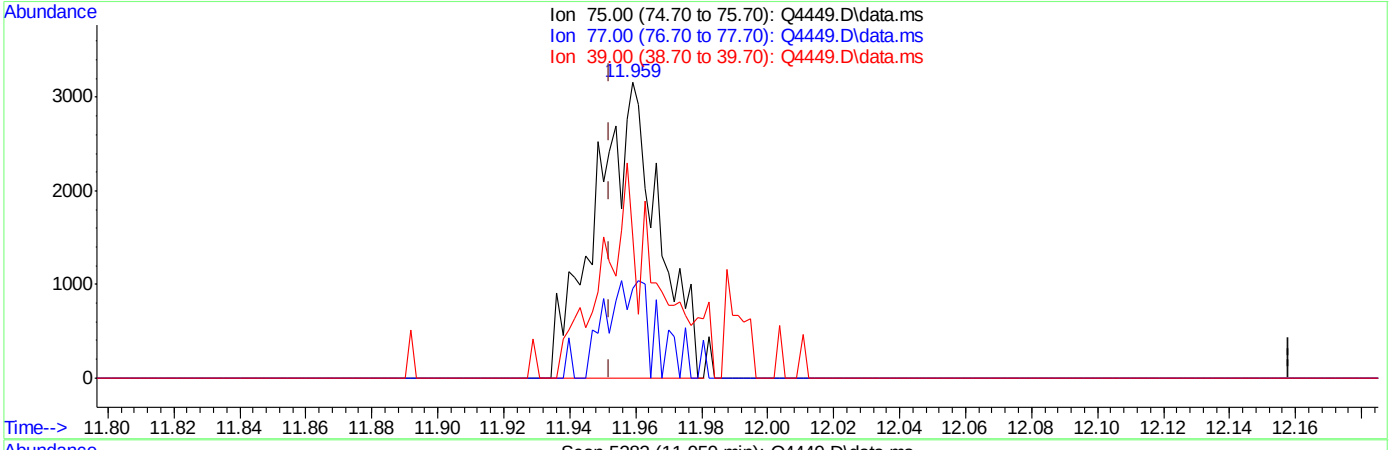
response 2541

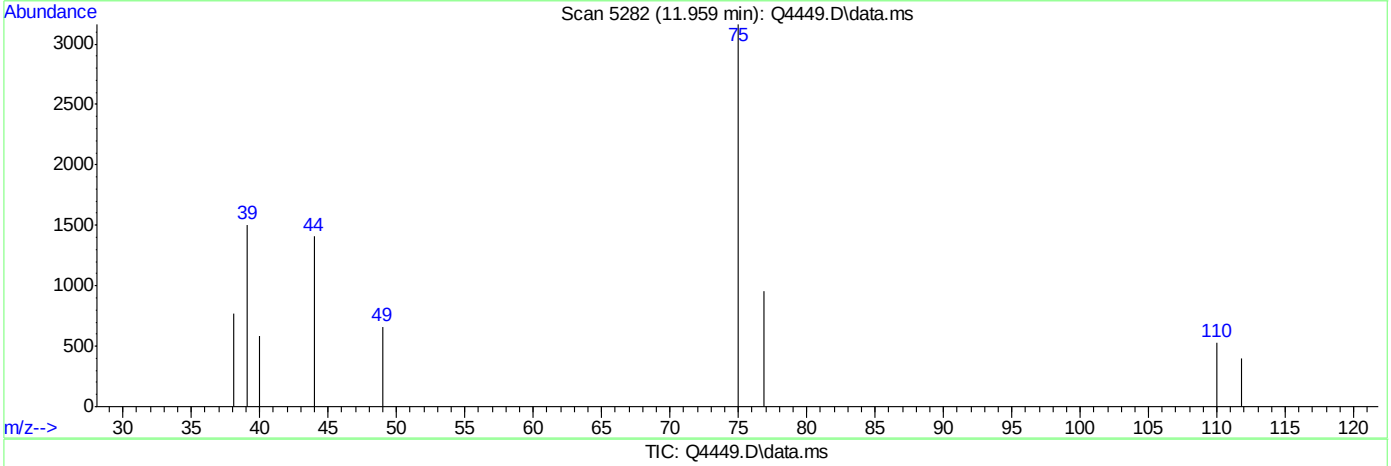
Ion	Exp%	Act%
45.00	100	100
46.00	33.60	1.69#
42.00	11.10	0.00
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\
Data File : Q4449.D
Acq On : 30 Aug 2007 6:25 pm
Operator : danat
Sample : ic234-0.2 (M174)
Misc : MS14204, MSQ234,,,,,1
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Aug 30 18:52:34 2007
Quant Method : C:\msdchem\1\METHODS\Q083007T.m
Quant Title : TO15 by GCMS w/DB-1 60 m X .25 mm ID 1.0 um
QLast Update : Thu Aug 30 18:17:22 2007
Response via : Initial Calibration





TIC: Q4449.D\data.ms

(45) cis-1,3-DICHLOROPROPENE (m)

11.959min (+0.007) 0.12PPBV m

response 4211

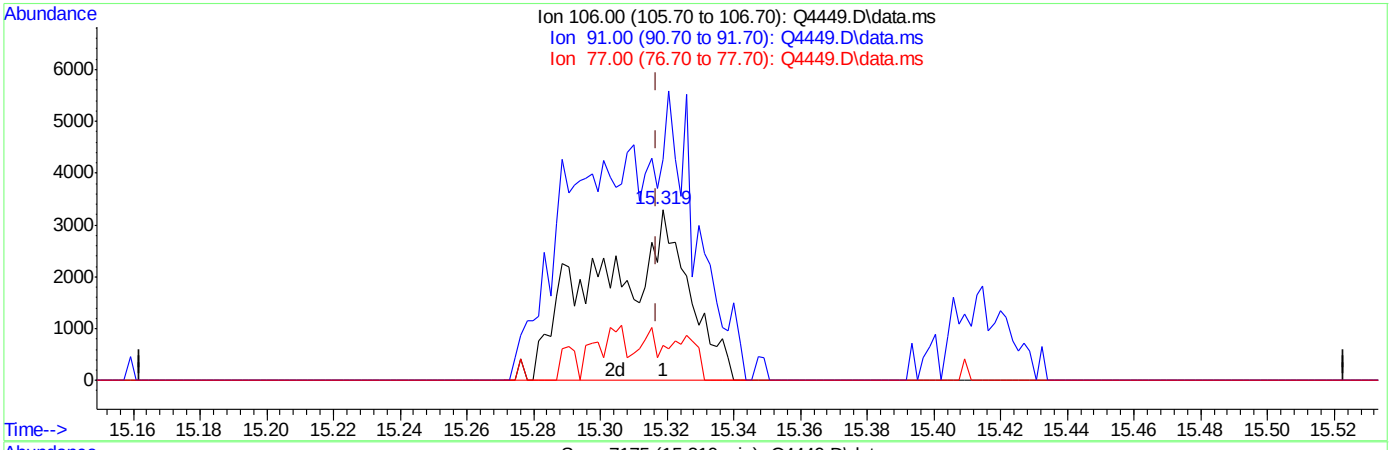
Ion	Exp%	Act%
75.00	100	100
77.00	31.70	25.79
39.00	84.80	62.91#
0.00	0.00	0.00

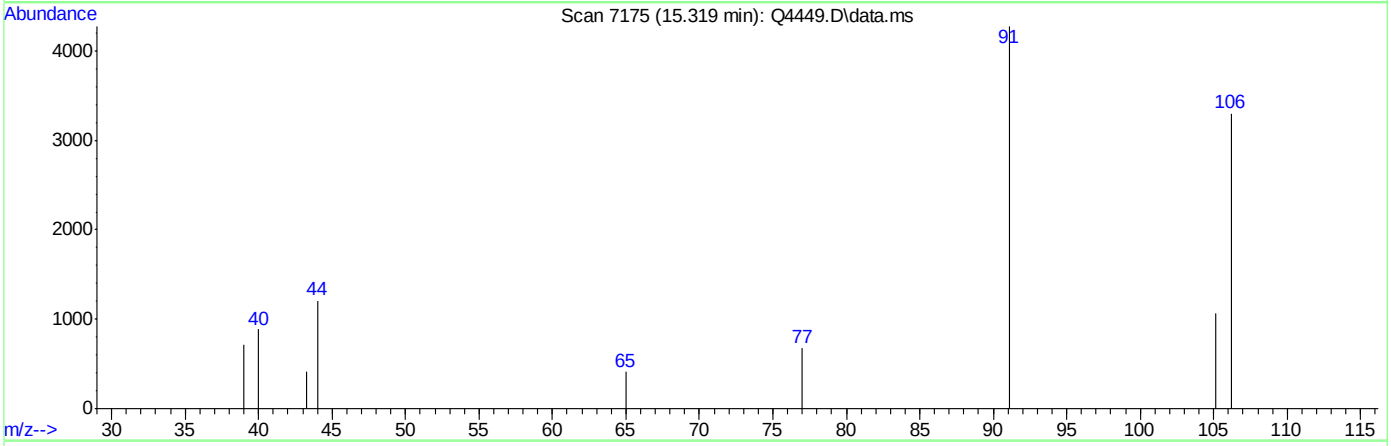
ACCUTEST Laboratories M67318

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\
Data File : Q4449.D
Acq On : 30 Aug 2007 6:25 pm
Operator : danat
Sample : ic234-0.2 (M174)
Misc : MS14204, MSQ234,,,,,1
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Aug 30 18:52:34 2007
Quant Method : C:\msdchem\1\METHODS\Q083007T.m
Quant Title : TO15 by GCMS w/DB-1 60 m X .25 mm ID 1.0 um
QLast Update : Thu Aug 30 18:17:22 2007
Response via : Initial Calibration





TIC: Q4449.D\data.ms

(56) m,p-XYLENE (m)

15.319min (+0.002) 0.17PPBV m

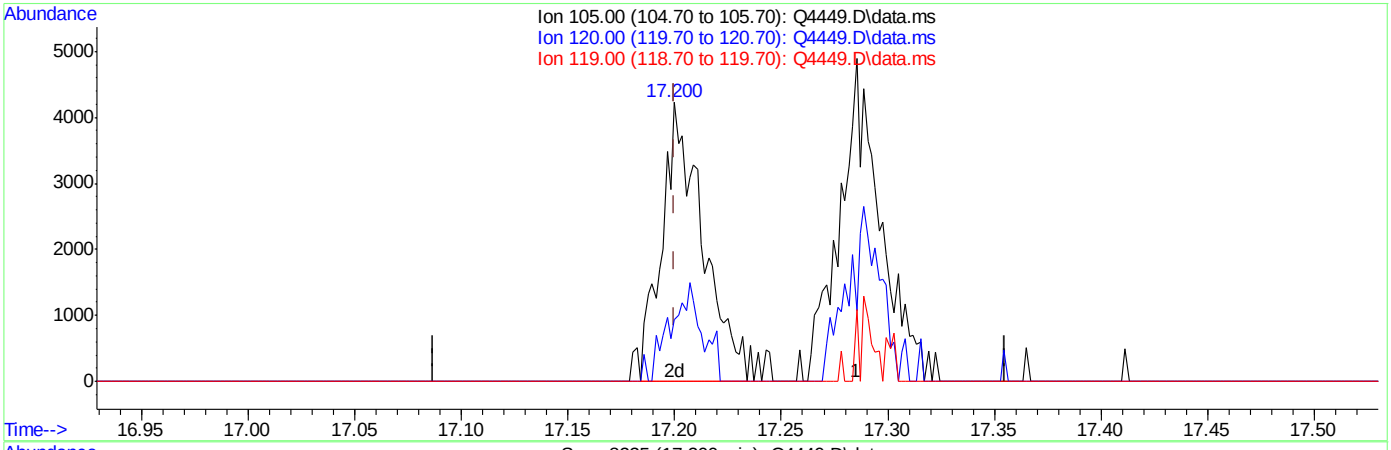
response 6123

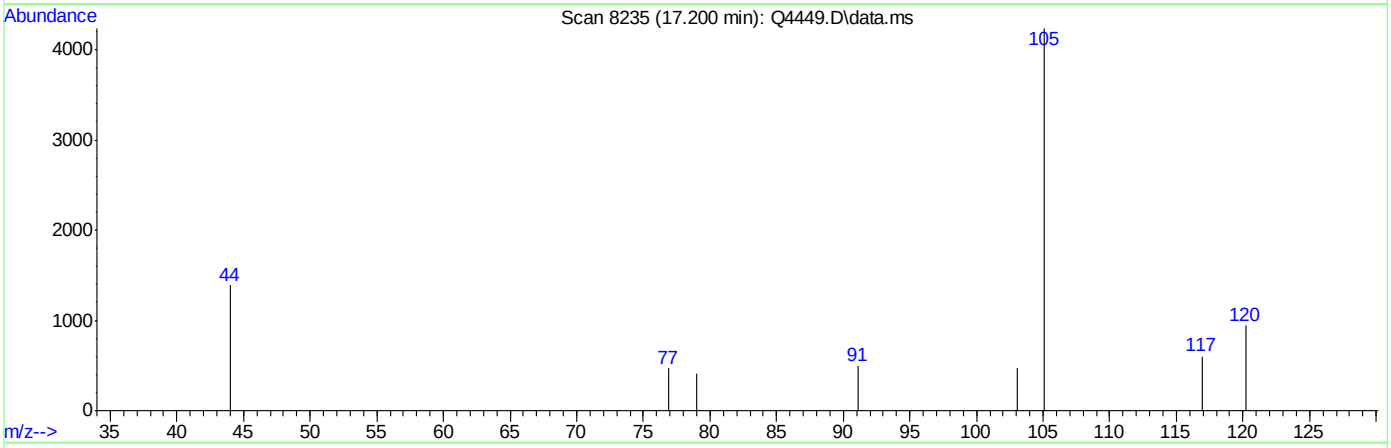
Ion	Exp%	Act%
106.00	100	100
91.00	205.90	129.58#
77.00	29.60	20.64#
0.00	0.00	0.00

Quantitation Report (Qedit)

```
Data Path : C:\msdchem\1\DATA\
Data File : Q4449.D
Acq On    : 30 Aug 2007   6:25 pm
Operator  : danat
Sample    : ic234-0.2 (M174)
Misc      : MS14204, MSQ234,,,,,1
ALS Vial  : 1   Sample Multiplier: 1

Quant Time: Aug 30 18:52:34 2007
Quant Method : C:\msdchem\1\METHODS\Q083007T.m
Quant Title  : TO15  by GCMS w/DB-1 60 m X .25 mm ID 1.0 um
QLast Update : Thu Aug 30 18:17:22 2007
Response via : Initial Calibration
```



TIC: Q4449.D\data.ms

(65) 4-ETHYLTOLUENE (m)

17.200min (+0.000) 0.06PPBV m

response 5597

Ion	Exp%	Act%
105.00	100	100
120.00	27.90	52.60#
119.00	2.30	13.60
0.00	0.00	0.00

ACCUTEST Laboratories M67318

Manual Integrations APPROVED (compounds with "m" flag)
Doug Yargeau
08/31/07 15:19

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\
Data File : Q4450.D
Acq On : 30 Aug 2007 7:08 pm
Operator : danat
Sample : ic234-40 (M112)
Misc : MS14204, MSQ234,,,,,1
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Aug 31 08:25:57 2007
Quant Method : C:\msdchem\1\METHODS\Q083007T.m
Quant Title : TO15 by GCMS w/DB-1 60 m X .25 mm ID 1.0 um
QLast Update : Thu Aug 30 18:17:22 2007
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) BROMOCHLOROMETHANE	8.632	128	284336	10.00	PPBV	0.00
35) 1,4-DIFLUOROBENZENE	10.458	114	1296676	10.00	PPBV	0.00
49) CHLOROBENZENE-D5	14.700	117	1114871	10.00	PPBV	0.00
System Monitoring Compounds						
61) 4-BROMOFLUOROBENZENE	16.322	95	414941	7.02	PPBV	0.00
Spiked Amount 5.000	Range 57 - 139		Recovery = 140.40%#			
Target Compounds						Qvalue
2) DICHLORODIFLUOROMETHANE	4.035	85	5599493	40.66	PPBV	99
3) PROPYLENE	3.964	41	1019607	31.69	PPBV	98
4) FREON 114	4.298	85	5439731	40.91	PPBV	97
5) CHLOROMETHANE	4.198	50	1324644	36.40	PPBV	98
6) VINYL CHLORIDE	4.420	62	1604585	38.66	PPBV	100
7) 1,3-BUTADIENE	4.557	39	1178412	37.49	PPBV	97
8) BROMOMETHANE	4.832	94	1778509	39.86	PPBV	99
9) CHLOROETHANE	5.006	64	733014	40.90	PPBV	99
10) TRICHLOROFLUOROMETHANE	5.783	101	5448464	38.86	PPBV	100
11) ISOPROPYL ALCOHOL	5.822	45	2100398	30.72	PPBV	98
12) ACETONE	5.590	43	2087432	25.29	PPBV	100
13) PENTANE	6.138	42	1460048	32.04	PPBV	95
14) 1,1-DICHLOROETHYLENE	6.424	96	1683392	39.46	PPBV	96
15) CARBON DISULFIDE	6.853	76	4734033m	36.58	PPBV	
16) ETHANOL	5.093	45	480142	27.98	PPBV	97
17) BROMOETHENE	5.366	106	1708956	41.50	PPBV	100
18) METHYLENE CHLORIDE	6.536	84	1549042	9.76	PPBV	94
19) 3-CHLOROPROPENE	6.654	39	1551635	41.23	PPBV	95
20) FREON 113	6.795	151	3238682	38.15	PPBV	93
21) TRANS-1,2-DICHLOROETHY...	7.464	96	1683878	42.99	PPBV	91
22) TERTIARY BUTYL ALCOHOL	6.427	59	2472841	35.63	PPBV	96
23) METHYL TERTIARY BUTYL ...	7.702	73	3872059	40.14	PPBV	96
24) TETRAHYDROFURAN	9.129	42	1320059	38.07	PPBV	89
25) HEXANE	8.664	57	2152026	29.28	PPBV	98
26) VINYL ACETATE	7.785	43	3321690	39.57	PPBV	96
27) 1,1-DICHLOROETHANE	7.659	63	3138002	40.77	PPBV	98
28) METHYL ETHYL KETONE	8.025	43	2572343	34.11	PPBV	94
29) cis-1,2-DICHLOROETHYLENE	8.467	96	1730891	49.38	PPBV	94
30) ETHYL ACETATE	8.660	43	3877796	30.66	PPBV	99
31) CHLOROFORM	8.752	83	4009393	41.45	PPBV	98
32) 1,1,1-TRICHLOROETHANE	9.704	97	4162245	44.48	PPBV	97
33) CARBON TETRACHLORIDE	10.286	117	4685130	43.02	PPBV	100
34) 1,2-DICHLOROETHANE	9.460	62	2677890	45.66	PPBV	100
36) BENZENE	10.145	78	4966318	51.20	PPBV	99
37) CYCLOHEXANE	10.410	84	2024544	46.64	PPBV	89
38) TRICHLOROETHYLENE	11.145	95	2490443	48.60	PPBV	97
39) 1,2-DICHLOROPROPANE	10.921	63	1737392	46.70	PPBV	96
40) BROMODICHLOROMETHANE	11.106	83	4447299	47.76	PPBV	100
41) 2,2,4-TRIMETHYLPENTANE	11.168	57	7597269	44.80	PPBV	99
42) 1,4-DIOXANE	11.129	88	873450	46.61	PPBV	90
43) HEPTANE	11.404	43	2686472	44.29	PPBV	92

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\
Data File : Q4450.D
Acq On : 30 Aug 2007 7:08 pm
Operator : danat
Sample : ic234-40 (M112)
Misc : MS14204, MSQ234,,,,,1
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Aug 31 08:25:57 2007
Quant Method : C:\msdchem\1\METHODS\Q083007T.m
Quant Title : TO15 by GCMS w/DB-1 60 m X .25 mm ID 1.0 um
QLast Update : Thu Aug 30 18:17:22 2007
Response via : Initial Calibration

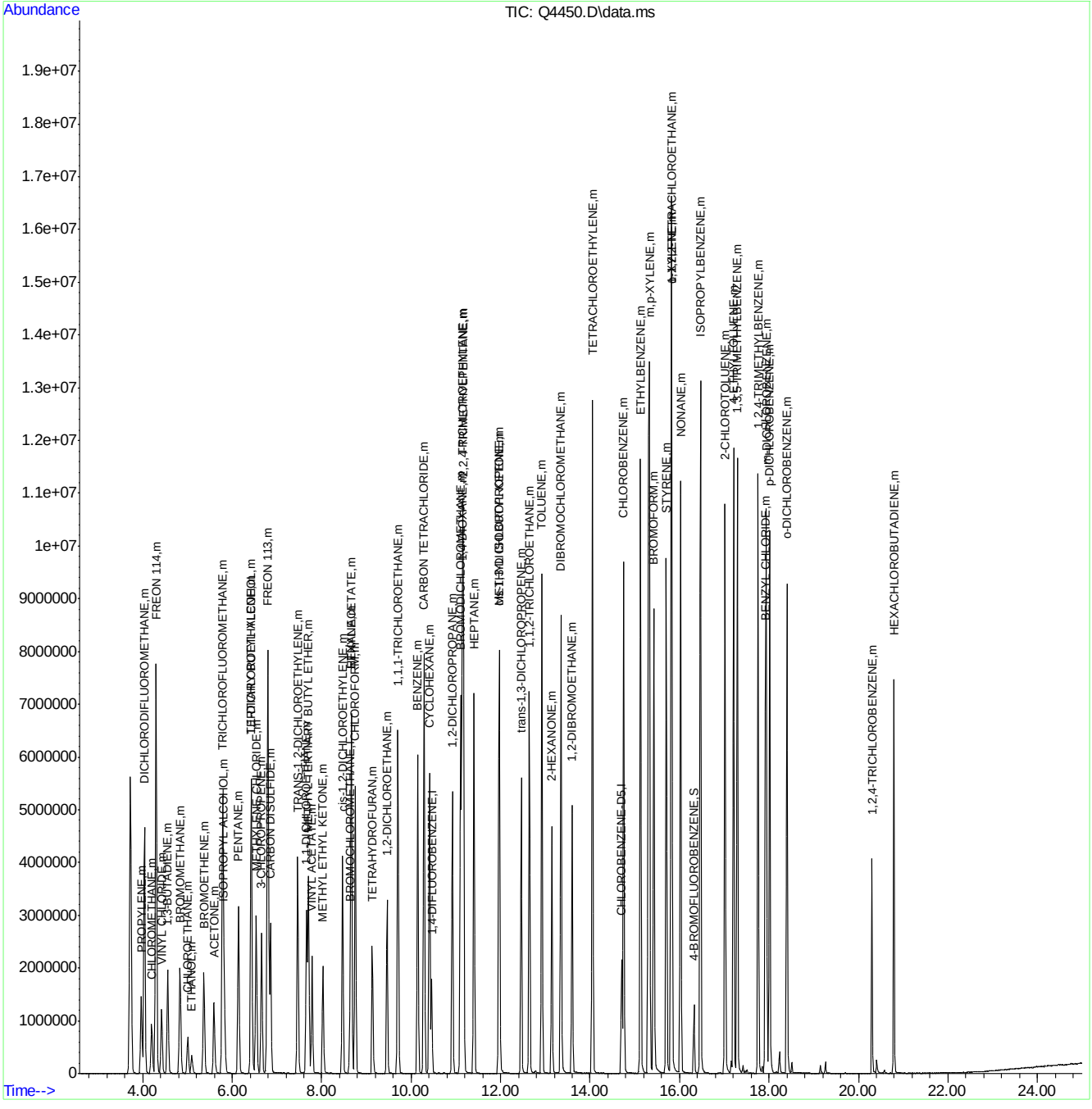
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) METHYL ISOBUTYL KETONE	11.973	43	3145091	38.34	PPBV	94
45) cis-1,3-DICHLOROPROPENE	11.958	75	2785709	59.33	PPBV	90
46) TOLUENE	12.921	92	3704612	52.89	PPBV	99
47) trans-1,3-DICHLOROPROPENE	12.460	75	2787187	72.04	PPBV	95
48) 1,1,2-TRICHLOROETHANE	12.643	83	1835777	50.33	PPBV	97
50) 2-HEXANONE	13.145	43	2965785	43.06	PPBV	93
51) TETRACHLOROETHYLENE	14.054	164	2653785	48.87	PPBV	99
52) DIBROMOCHLOROMETHANE	13.349	129	4495002m	49.73	PPBV	
53) 1,2-DIBROMOETHANE	13.599	107	3245300	54.72	PPBV	100
54) CHLOROBENZENE	14.747	112	5020805	54.98	PPBV	97
55) ETHYLBENZENE	15.127	91	8358883	60.31	PPBV	99
56) m,p-XYLENE	15.326	106	6294165	118.30	PPBV	95
57) o-XYLENE	15.825	106	3019429	56.82	PPBV	99
58) STYRENE	15.704	104	4686816	79.97	PPBV	98
59) NONANE	16.024	43	4022792	46.42	PPBV	94
60) BROMOFORM	15.424	173	4310866	56.67	PPBV #	100
62) 1,1,2,2-TETRACHLOROETHANE	15.811	83	4324957	45.46	PPBV	99
63) ISOPROPYLBENZENE	16.465	105	9071564	56.58	PPBV	98
64) 2-CHLOROTOLUENE	17.016	91	5881407	54.25	PPBV	97
65) 4-ETHYLTOLUENE	17.206	105	7248592	56.40	PPBV	100
66) 1,3,5-TRIMETHYLBENZENE	17.291	105	6312018	51.79	PPBV	99
67) 1,2,4-TRIMETHYLBENZENE	17.756	105	5997054	57.76	PPBV	100
68) m-DICHLOROBENZENE	17.940	146	3900519	71.41	PPBV	99
69) BENZYL CHLORIDE	17.917	91	4308514	71.38	PPBV	97
70) p-DICHLOROBENZENE	18.013	146	3776788	81.50	PPBV	97
71) o-DICHLOROBENZENE	18.398	146	3434690	63.06	PPBV	98
72) HEXACHLOROBUTADIENE	20.792	225	1207143	30.05	PPBV	99
73) 1,2,4-TRICHLOROBENZENE	20.299	180	1032237	143.87	PPBV	96

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

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\
Data File : Q4450.D
Acq On : 30 Aug 2007 7:08 pm
Operator : danat
Sample : ic234-40 (M112)
Misc : MS14204, MSQ234,,,,,1
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Aug 31 08:25:57 2007
Quant Method : C:\msdchem\1\METHODS\Q083007T.m
Quant Title : TO15 by GCMS w/DB-1 60 m X .25 mm ID 1.0 um
QLast Update : Thu Aug 30 18:17:22 2007
Response via : Initial Calibration

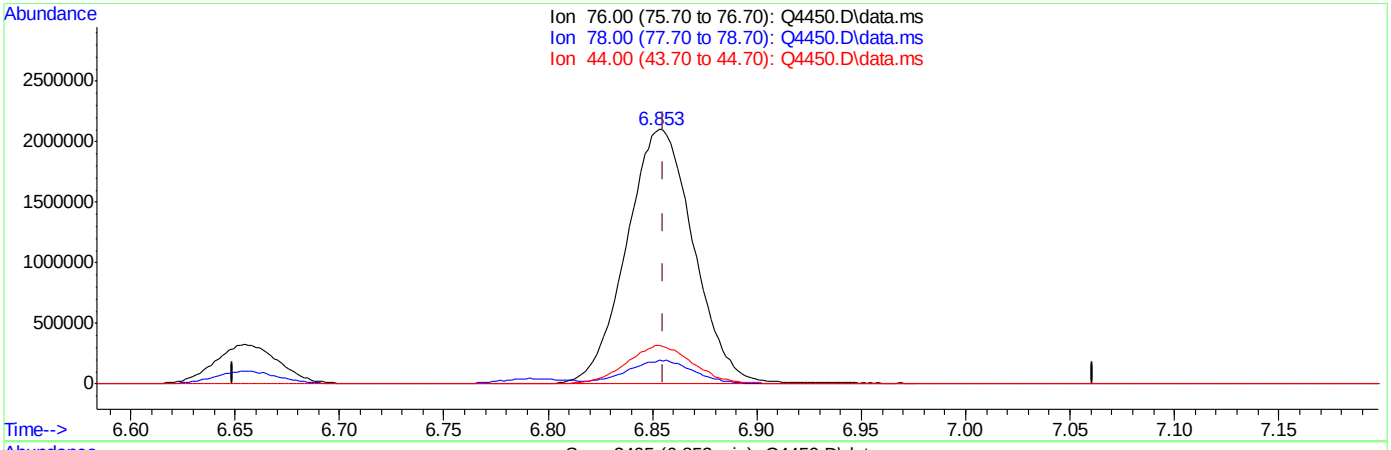


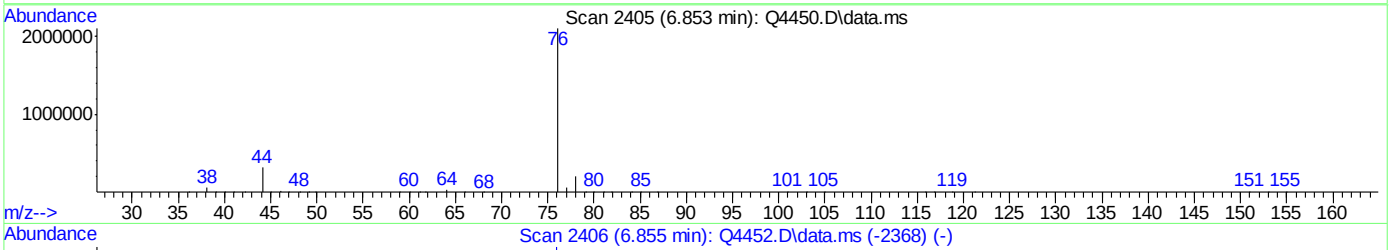
ACCUTEST Laboratories M67318

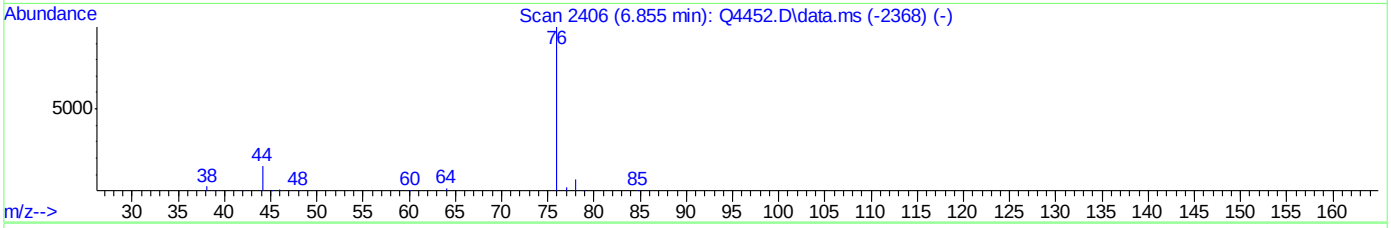
Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\
Data File : Q4450.D
Acq On : 30 Aug 2007 7:08 pm
Operator : danat
Sample : ic234-40 (M112)
Misc : MS14204, MSQ234,,,,,1
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Aug 31 08:25:57 2007
Quant Method : C:\msdchem\1\METHODS\Q083007T.m
Quant Title : TO15 by GCMS w/DB-1 60 m X .25 mm ID 1.0 um
QLast Update : Thu Aug 30 18:17:22 2007
Response via : Initial Calibration







TIC: Q4450.D\data.ms

(15) CARBON DISULFIDE (m)

6.853min (-0.002) 36.58PPBV m

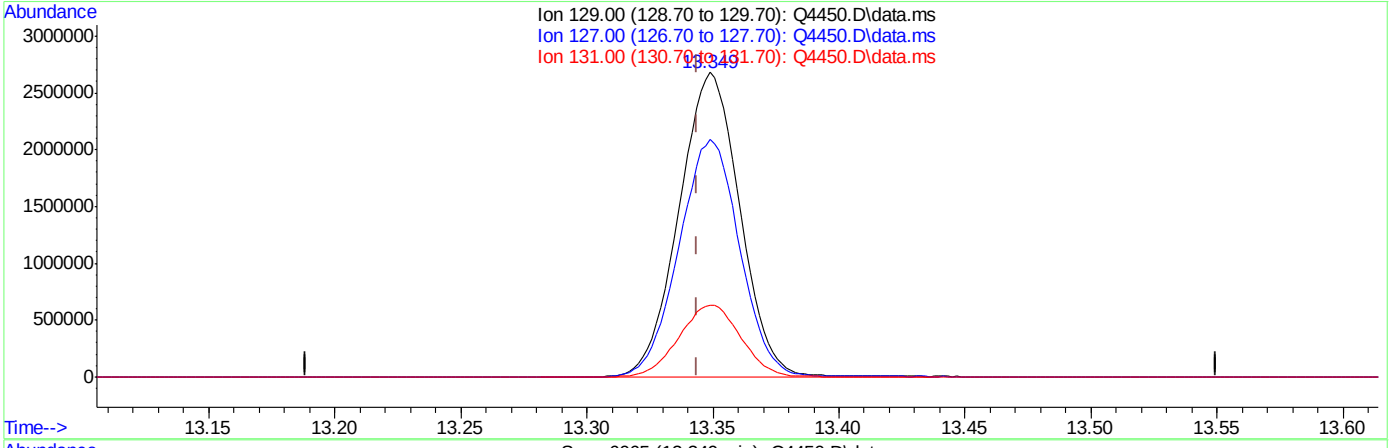
response 4734033

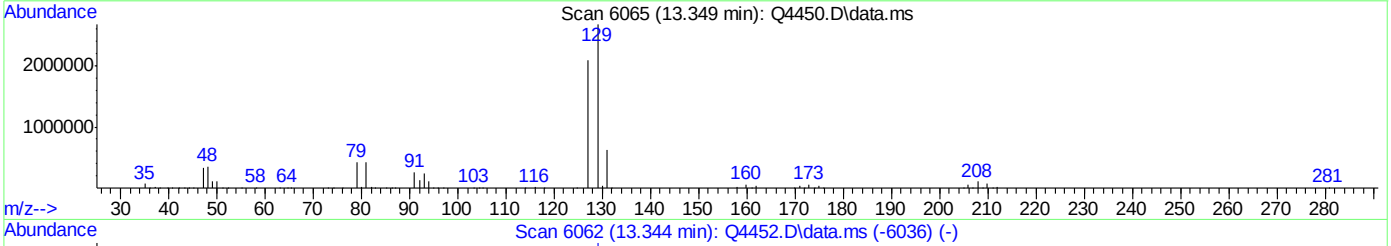
Ion	Exp%	Act%
76.00	100	100
78.00	8.90	0.00
44.00	16.00	0.00
0.00	0.00	0.00

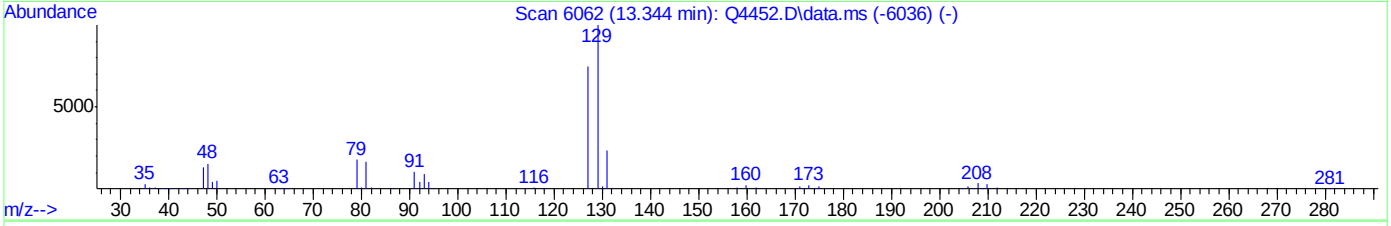
Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\
Data File : Q4450.D
Acq On : 30 Aug 2007 7:08 pm
Operator : danat
Sample : ic234-40 (M112)
Misc : MS14204, MSQ234,,,,,1
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Aug 31 08:25:57 2007
Quant Method : C:\msdchem\1\METHODS\Q083007T.m
Quant Title : TO15 by GCMS w/DB-1 60 m X .25 mm ID 1.0 um
QLast Update : Thu Aug 30 18:17:22 2007
Response via : Initial Calibration







TIC: Q4450.D\data.ms

(52) DIBROMOCHLOROMETHANE (m)

13.349min (+0.005) 49.73PPBV m

response 4495002

Ion	Exp%	Act%
129.00	100	100
127.00	77.60	0.00#
131.00	23.90	0.00#
0.00	0.00	0.00

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\
Data File : Q4451.D
Acq On : 30 Aug 2007 7:51 pm
Operator : danat
Sample : ic234-20 (M112)
Misc : MS14204, MSQ234,,,,,1
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Aug 31 08:27:07 2007
Quant Method : C:\msdchem\1\METHODS\Q083007T.m
Quant Title : TO15 by GCMS w/DB-1 60 m X .25 mm ID 1.0 um
QLast Update : Thu Aug 30 18:17:22 2007
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) BROMOCHLOROMETHANE	8.630	128	231157	10.00	PPBV	0.00
35) 1,4-DIFLUOROBENZENE	10.456	114	1055214	10.00	PPBV	0.00
49) CHLOROBENZENE-D5	14.700	117	858561	10.00	PPBV	0.00
System Monitoring Compounds						
61) 4-BROMOFLUOROBENZENE	16.318	95	311476	6.84	PPBV	0.00
Spiked Amount 5.000	Range 57 - 139		Recovery = 136.80%			
Target Compounds						Qvalue
2) DICHLORODIFLUOROMETHANE	4.035	85	1907490	17.04	PPBV	99
3) PROPYLENE	3.964	41	334407	12.78	PPBV	96
4) FREON 114	4.298	85	1928520	17.84	PPBV	94
5) CHLOROMETHANE	4.200	50	443925	15.00	PPBV	98
6) VINYL CHLORIDE	4.417	62	554726	16.44	PPBV	100
7) 1,3-BUTADIENE	4.560	39	400281	15.67	PPBV	92
8) BROMOMETHANE	4.830	94	627419	17.30	PPBV	100
9) CHLOROETHANE	5.008	64	254352	17.46	PPBV	98
10) TRICHLOROFLUOROMETHANE	5.787	101	1992242	17.48	PPBV	100
11) ISOPROPYL ALCOHOL	5.815	45	849337	15.28	PPBV	100
12) ACETONE	5.591	43	699036	10.42	PPBV	100
13) PENTANE	6.140	42	568389	15.34	PPBV	94
14) 1,1-DICHLOROETHYLENE	6.424	96	678527	19.57	PPBV	95
15) CARBON DISULFIDE	6.853	76	1921130	18.26	PPBV	97
16) ETHANOL	5.093	45	173661	12.45	PPBV	97
17) BROMOETHENE	5.364	106	645049	19.27	PPBV	99
18) METHYLENE CHLORIDE	6.536	84	635670	4.93	PPBV	94
19) 3-CHLOROPROPENE	6.656	39	596091	19.48	PPBV	96
20) FREON 113	6.795	151	1312549	19.02	PPBV	93
21) TRANS-1,2-DICHLOROETHY...	7.462	96	714410	22.43	PPBV	92
22) TERTIARY BUTYL ALCOHOL	6.426	59	1238542	21.95	PPBV	95
23) METHYL TERTIARY BUTYL ...	7.705	73	1594414	20.33	PPBV	97
24) TETRAHYDROFURAN	9.132	42	555755	19.71	PPBV	92
25) HEXANE	8.660	57	958994	16.05	PPBV	98
26) VINYL ACETATE	7.785	43	1297136	19.01	PPBV	97
27) 1,1-DICHLOROETHANE	7.661	63	1276357	20.40	PPBV	99
28) METHYL ETHYL KETONE	8.023	43	1147543	18.71	PPBV	93
29) cis-1,2-DICHLOROETHYLENE	8.467	96	709180	24.89	PPBV	96
30) ETHYL ACETATE	8.658	43	1706607	16.60	PPBV	99
31) CHLOROFORM	8.749	83	1720252	21.87	PPBV	98
32) 1,1,1-TRICHLOROETHANE	9.702	97	1718640	22.59	PPBV	98
33) CARBON TETRACHLORIDE	10.288	117	2036526	23.00	PPBV	100
34) 1,2-DICHLOROETHANE	9.459	62	1087140	22.80	PPBV	99
36) BENZENE	10.144	78	1983054	25.12	PPBV	99
37) CYCLOHEXANE	10.406	84	869012	24.60	PPBV	93
38) TRICHLOROETHYLENE	11.139	95	1032576	24.76	PPBV	98
39) 1,2-DICHLOROPROPANE	10.916	63	662085	21.87	PPBV	96
40) BROMODICHLOROMETHANE	11.100	83	1815299	23.95	PPBV	100
41) 2,2,4-TRIMETHYLPENTANE	11.164	57	3273639	23.72	PPBV	99
42) 1,4-DIOXANE	11.123	88	378546	24.82	PPBV	92
43) HEPTANE	11.400	43	1177138	23.85	PPBV	94

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\
Data File : Q4451.D
Acq On : 30 Aug 2007 7:51 pm
Operator : danat
Sample : ic234-20 (M112)
Misc : MS14204, MSQ234,,,,,1
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Aug 31 08:27:07 2007
Quant Method : C:\msdchem\1\METHODS\Q083007T.m
Quant Title : TO15 by GCMS w/DB-1 60 m X .25 mm ID 1.0 um
QLast Update : Thu Aug 30 18:17:22 2007
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc Units	Dev(Min)
44) METHYL ISOBUTYL KETONE	11.970	43	1420560	21.28 PPBV	95
45) cis-1,3-DICHLOROPROPENE	11.956	75	1054278	27.59 PPBV	94
46) TOLUENE	12.918	92	1309996	22.98 PPBV	99
47) trans-1,3-DICHLOROPROPENE	12.458	75	970585	30.83 PPBV	97
48) 1,1,2-TRICHLOROETHANE	12.639	83	667754	22.50 PPBV	97
50) 2-HEXANONE	13.140	43	1274686	24.03 PPBV	94
51) TETRACHLOROETHYLENE	14.052	164	1033238	24.71 PPBV	99
52) DIBROMOCHLOROMETHANE	13.345	129	1721800	24.74 PPBV	100
53) 1,2-DIBROMOETHANE	13.594	107	1160588	25.41 PPBV	100
54) CHLOROBENZENE	14.744	112	1794963	25.52 PPBV	98
55) ETHYLBENZENE	15.124	91	2793395	26.17 PPBV	98
56) m,p-XYLENE	15.319	106	2173807	53.05 PPBV	99
57) o-XYLENE	15.820	106	1065624	26.04 PPBV	98
58) STYRENE	15.699	104	1593726	35.31 PPBV	98
59) NONANE	16.020	43	1543144	23.12 PPBV	95
60) BROMOFORM	15.418	173	1557385	26.58 PPBV #	100
62) 1,1,2,2-TETRACHLOROETHANE	15.805	83	1587397	21.67 PPBV	99
63) ISOPROPYLBENZENE	16.462	105	3148680	25.50 PPBV	98
64) 2-CHLOROTOLUENE	17.012	91	2311143	27.68 PPBV	98
65) 4-ETHYLTOLUENE	17.204	105	3027160	30.59 PPBV	100
66) 1,3,5-TRIMETHYLBENZENE	17.287	105	2698758	28.75 PPBV	98
67) 1,2,4-TRIMETHYLBENZENE	17.752	105	2486743	31.10 PPBV	99
68) m-DICHLOROBENZENE	17.933	146	1546302	36.76 PPBV	99
69) BENZYL CHLORIDE	17.912	91	1798058	38.68 PPBV	97
70) p-DICHLOROBENZENE	18.010	146	1512866	42.39 PPBV	97
71) o-DICHLOROBENZENE	18.396	146	1396057	33.28 PPBV	99
72) HEXACHLOROBUTADIENE	20.792	225	602657	19.48 PPBV	99
73) 1,2,4-TRICHLOROBENZENE	20.301	180	440891	79.79 PPBV	95

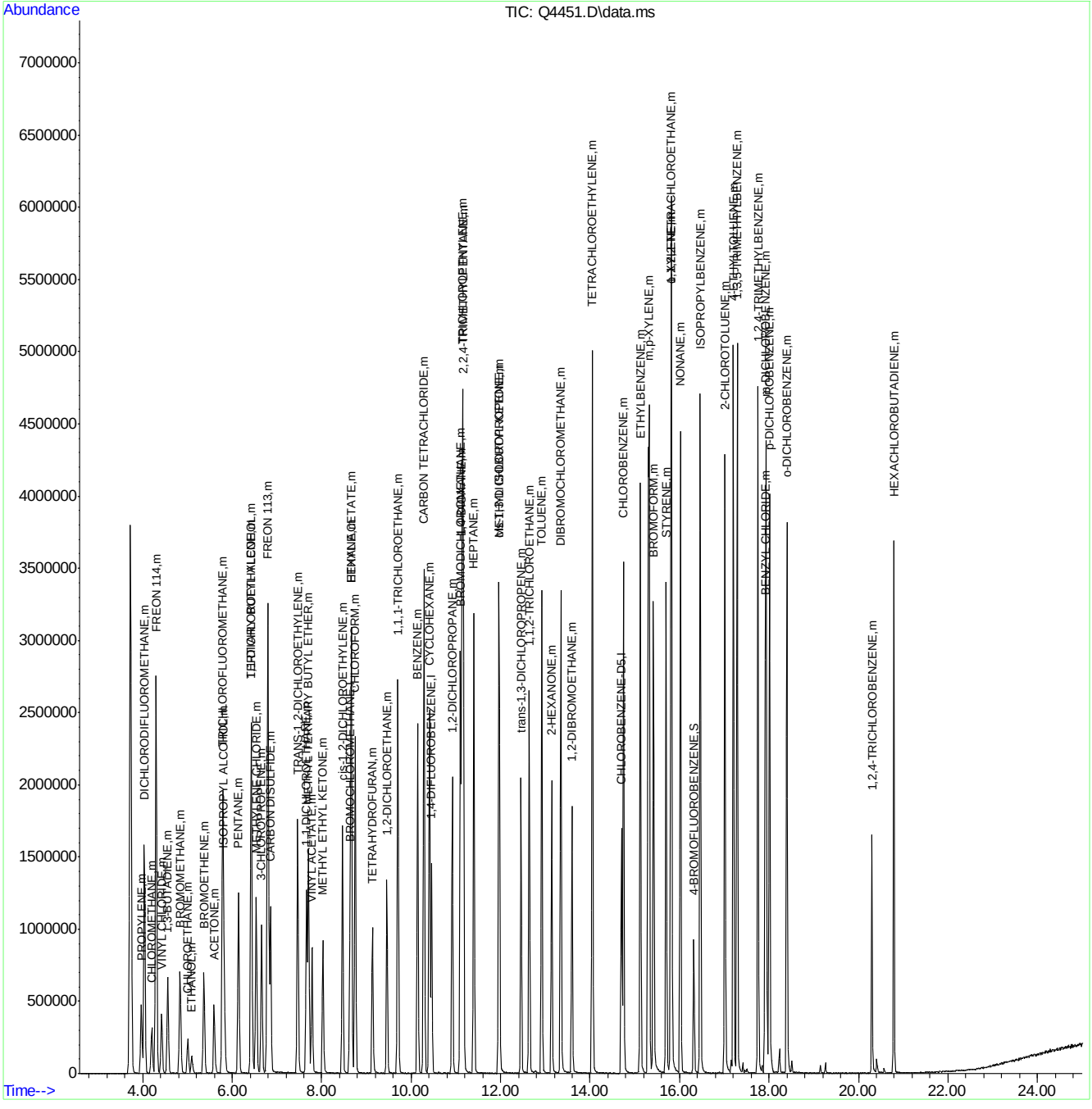
(#) = qualifier out of range (m) = manual integration (+) = signals summed

ACCUTEST Laboratories M67318

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\
Data File : Q4451.D
Acq On : 30 Aug 2007 7:51 pm
Operator : danat
Sample : ic234-20 (M112)
Misc : MS14204, MSQ234,,,,,1
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Aug 31 08:27:07 2007
Quant Method : C:\msdchem\1\METHODS\Q083007T.m
Quant Title : TO15 by GCMS w/DB-1 60 m X .25 mm ID 1.0 um
QLast Update : Thu Aug 30 18:17:22 2007
Response via : Initial Calibration



ACCUTEST Laboratories M67318

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\
Data File : Q4452.D
Acq On : 30 Aug 2007 8:35 pm
Operator : danat
Sample : icc234-10 (M112)
Misc : MS14204, MSQ234,,,,,1
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Aug 31 08:28:10 2007
Quant Method : C:\msdchem\1\METHODS\Q083007T.m
Quant Title : TO15 by GCMS w/DB-1 60 m X .25 mm ID 1.0 um
QLast Update : Thu Aug 30 18:17:22 2007
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) BROMOCHLOROMETHANE	8.628	128	253877	10.00	PPBV	0.00
35) 1,4-DIFLUOROBENZENE	10.456	114	1208412	10.00	PPBV	0.00
49) CHLOROBENZENE-D5	14.698	117	992418	10.00	PPBV	0.00

System Monitoring Compounds

61) 4-BROMOFLUOROBENZENE	16.316	95	367899	6.99	PPBV	0.00

Spiked Amount 5.000 Range 57 - 139 Recovery = 139.80%#

Target Compounds						Qvalue
2) DICHLORODIFLUOROMETHANE	4.035	85	1103453	8.97	PPBV	99
3) PROPYLENE	3.966	41	183470	6.39	PPBV	99
4) FREON 114	4.298	85	1038417	8.75	PPBV	95
5) CHLOROMETHANE	4.202	50	242043	7.45	PPBV	95
6) VINYL CHLORIDE	4.418	62	376940	10.17	PPBV	99
7) 1,3-BUTADIENE	4.559	39	257571	9.18	PPBV	96
8) BROMOMETHANE	4.830	94	383174	9.62	PPBV	99
9) CHLOROETHANE	5.008	64	159386	9.96	PPBV	99
10) TRICHLOROFLUOROMETHANE	5.785	101	1246198	9.95	PPBV	100
11) ISOPROPYL ALCOHOL	5.820	45	488070	7.99	PPBV	99
12) ACETONE	5.593	43	433367	5.88	PPBV	99
13) PENTANE	6.136	42	348570	8.57	PPBV	96
14) 1,1-DICHLOROETHYLENE	6.422	96	372917	9.79	PPBV	97
15) CARBON DISULFIDE	6.855	76	1130471	9.78	PPBV	99
16) ETHANOL	5.091	45	106929	6.98	PPBV	98
17) BROMOETHENE	5.364	106	373960	10.17	PPBV	100
18) METHYLENE CHLORIDE	6.536	84	336794	2.38	PPBV	99
19) 3-CHLOROPROPENE	6.658	39	330456	9.83	PPBV	97
20) FREON 113	6.795	151	685521	9.05	PPBV	96
21) TRANS-1,2-DICHLOROETHY...	7.460	96	370700	10.60	PPBV	93
22) TERTIARY BUTYL ALCOHOL	6.426	59	663342	10.71	PPBV	98
23) METHYL TERTIARY BUTYL ...	7.703	73	736193	8.55	PPBV	97
24) TETRAHYDROFURAN	9.136	42	259112	8.37	PPBV	95
25) HEXANE	8.662	57	476598	7.26	PPBV	99
26) VINYL ACETATE	7.782	43	565272	7.54	PPBV	98
27) 1,1-DICHLOROETHANE	7.657	63	645664	9.39	PPBV	99
28) METHYL ETHYL KETONE	8.026	43	529140	7.86	PPBV	97
29) cis-1,2-DICHLOROETHYLENE	8.465	96	319199	10.20	PPBV	99
30) ETHYL ACETATE	8.660	43	850442	7.53	PPBV	100
31) CHLOROFORM	8.745	83	820311	9.50	PPBV	100
32) 1,1,1-TRICHLOROETHANE	9.704	97	802941	9.61	PPBV	99
33) CARBON TETRACHLORIDE	10.284	117	961008	9.88	PPBV	100
34) 1,2-DICHLOROETHANE	9.457	62	512095	9.78	PPBV	99
36) BENZENE	10.144	78	906739	10.03	PPBV	99
37) CYCLOHEXANE	10.406	84	410888	10.16	PPBV	96
38) TRICHLOROETHYLENE	11.138	95	478407	10.02	PPBV	99
39) 1,2-DICHLOROPROPANE	10.918	63	301587	8.70	PPBV	97
40) BROMODICHLOROMETHANE	11.100	83	824240	9.50	PPBV	100
41) 2,2,4-TRIMETHYLPENTANE	11.161	57	1555555	9.84	PPBV	100
42) 1,4-DIOXANE	11.127	88	166649	9.54	PPBV	92
43) HEPTANE	11.402	43	532216	9.42	PPBV	96

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\
Data File : Q4452.D
Acq On : 30 Aug 2007 8:35 pm
Operator : danat
Sample : icc234-10 (M112)
Misc : MS14204, MSQ234,,,,,1
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Aug 31 08:28:10 2007
Quant Method : C:\msdchem\1\METHODS\Q083007T.m
Quant Title : TO15 by GCMS w/DB-1 60 m X .25 mm ID 1.0 um
QLast Update : Thu Aug 30 18:17:22 2007
Response via : Initial Calibration

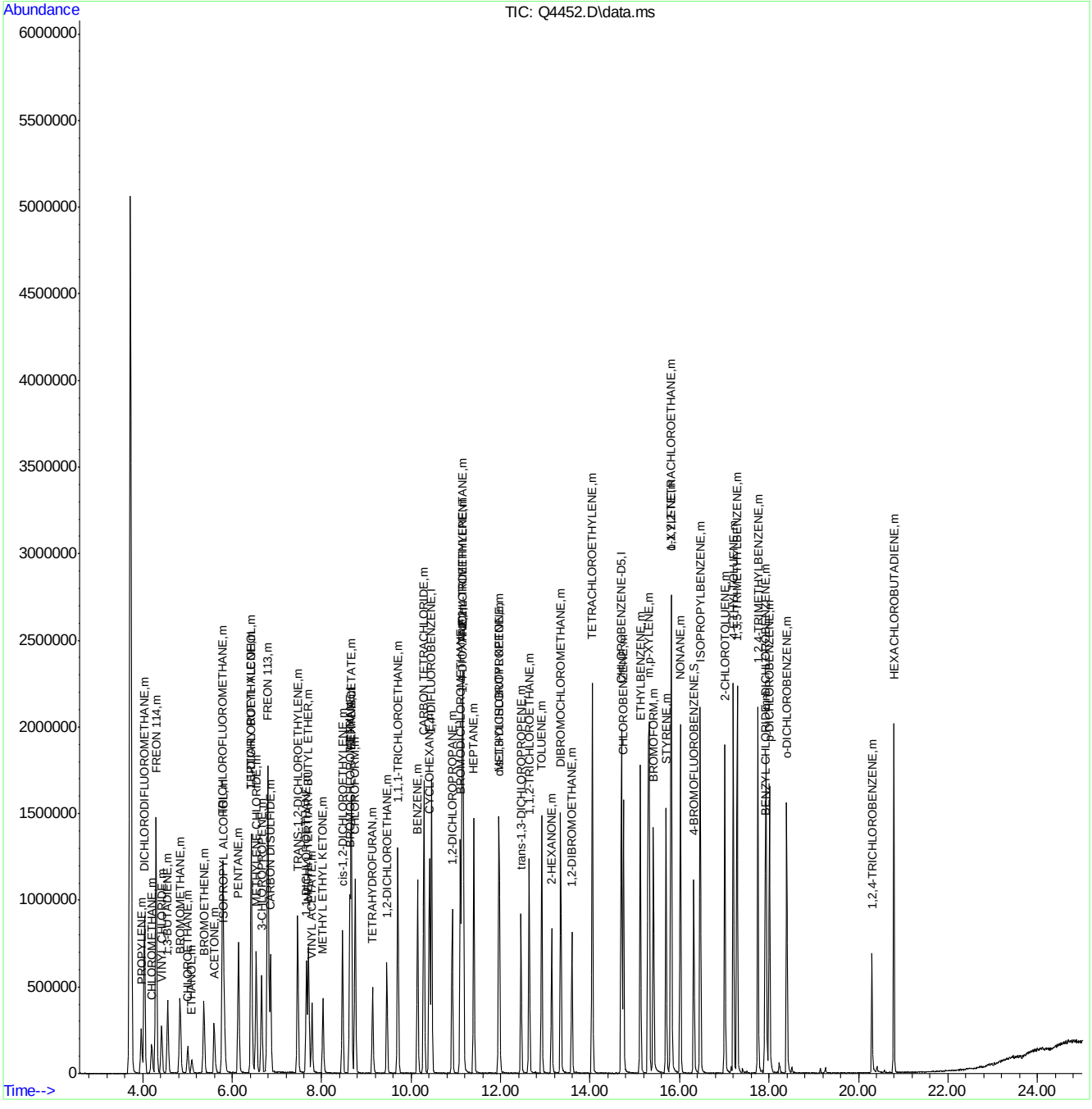
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) METHYL ISOBUTYL KETONE	11.972	43	653627	8.55	PPBV	98
45) cis-1,3-DICHLOROPROPENE	11.954	75	464139	10.61	PPBV	97
46) TOLUENE	12.916	92	573810	8.79	PPBV	98
47) trans-1,3-DICHLOROPROPENE	12.456	75	428831	11.89	PPBV	98
48) 1,1,2-TRICHLOROETHANE	12.637	83	307684	9.05	PPBV	98
50) 2-HEXANONE	13.140	43	537038	8.76	PPBV	95
51) TETRACHLOROETHYLENE	14.050	164	442955	9.16	PPBV	99
52) DIBROMOCHLOROMETHANE	13.344	129	757589	9.42	PPBV	100
53) 1,2-DIBROMOETHANE	13.596	107	510036	9.66	PPBV	100
54) CHLOROBENZENE	14.746	112	786238	9.67	PPBV	98
55) ETHYLBENZENE	15.122	91	1173075	9.51	PPBV	100
56) m,p-XYLENE	15.319	106	946724	19.99	PPBV	95
57) o-XYLENE	15.816	106	476462	10.07	PPBV	99
58) STYRENE	15.695	104	681666	13.07	PPBV	98
59) NONANE	16.020	43	705326	9.14	PPBV	97
60) BROMOFORM	15.415	173	643738	9.51	PPBV #	100
62) 1,1,2,2-TETRACHLOROETHANE	15.805	83	714369	8.44	PPBV	99
63) ISOPROPYLBENZENE	16.462	105	1380720	9.67	PPBV	99
64) 2-CHLOROTOLUENE	17.012	91	1011891	10.49	PPBV	98
65) 4-ETHYLTOLUENE	17.200	105	1288441	11.26	PPBV	99
66) 1,3,5-TRIMETHYLBENZENE	17.285	105	1166964	10.76	PPBV	100
67) 1,2,4-TRIMETHYLBENZENE	17.750	105	1037513	11.23	PPBV	99
68) m-DICHLOROBENZENE	17.935	146	611673	12.58	PPBV	100
69) BENZYL CHLORIDE	17.910	91	710032	13.21	PPBV	99
70) p-DICHLOROBENZENE	18.010	146	626281	15.18	PPBV	99
71) o-DICHLOROBENZENE	18.396	146	581376	11.99	PPBV	98
72) HEXACHLOROBUTADIENE	20.791	225	286928	8.02	PPBV	100
73) 1,2,4-TRICHLOROBENZENE	20.299	180	171422	26.84	PPBV	93

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

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\
Data File : Q4452.D
Acq On : 30 Aug 2007 8:35 pm
Operator : danat
Sample : icc234-10 (M112)
Misc : MS14204, MSQ234,,,,,1
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Aug 31 08:28:10 2007
Quant Method : C:\msdchem\1\METHODS\Q083007T.m
Quant Title : TO15 by GCMS w/DB-1 60 m X .25 mm ID 1.0 um
QLast Update : Thu Aug 30 18:17:22 2007
Response via : Initial Calibration



ACCUTEST Laboratories M67318

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\
Data File : Q4453.D
Acq On : 30 Aug 2007 9:18 pm
Operator : danat
Sample : ic234-5 (M112)
Misc : MS14204, MSQ234,,,,,1
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Aug 31 08:30:51 2007
Quant Method : C:\msdchem\1\METHODS\Q083007T.m
Quant Title : TO15 by GCMS w/DB-1 60 m X .25 mm ID 1.0 um
QLast Update : Fri Aug 31 08:29:16 2007
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) BROMOCHLOROMETHANE	8.628	128	277532	10.00	PPBV	0.00
35) 1,4-DIFLUOROBENZENE	10.458	114	1318277	10.00	PPBV	0.00
49) CHLOROBENZENE-D5	14.698	117	1096526	10.00	PPBV	0.00

System Monitoring Compounds

61) 4-BROMOFLUOROBENZENE	16.316	95	378425	5.13	PPBV	0.00

Spiked Amount 5.000 Range 57 - 139 Recovery = 102.60%

Target Compounds						Qvalue
2) DICHLORODIFLUOROMETHANE	4.035	85	718592	5.15	PPBV	99
3) PROPYLENE	3.966	41	131256	5.20	PPBV	97
4) FREON 114	4.294	85	613704	4.57	PPBV	97
5) CHLOROMETHANE	4.198	50	160786	5.07	PPBV	99
6) VINYL CHLORIDE	4.424	62	191619	4.91	PPBV	99
7) 1,3-BUTADIENE	4.557	39	125575	4.55	PPBV	97
8) BROMOMETHANE	4.830	94	204209	4.65	PPBV	99
9) CHLOROETHANE	5.006	64	71298	4.21	PPBV	99
10) TRICHLOROFLUOROMETHANE	5.785	101	651021	4.54	PPBV	100
11) ISOPROPYL ALCOHOL	5.826	45	222964	3.97	PPBV	96
12) ACETONE	5.599	43	198912	3.18	PPBV	99
13) PENTANE	6.142	42	177325	4.43	PPBV	100
14) 1,1-DICHLOROETHYLENE	6.424	96	197293	4.50	PPBV	93
15) CARBON DISULFIDE	6.857	76	610963	4.78	PPBV	98
16) ETHANOL	5.096	45	53600	4.19	PPBV	93
17) BROMOETHENE	5.364	106	196349	4.81	PPBV	97
18) METHYLENE CHLORIDE	6.537	84	181712	1.31	PPBV	95
19) 3-CHLOROPROPENE	6.653	39	142105	3.98	PPBV	99
20) FREON 113	6.795	151	354027	4.00	PPBV	98
21) TRANS-1,2-DICHLOROETHY...	7.464	96	186020	4.28	PPBV	98
22) TERTIARY BUTYL ALCOHOL	6.431	59	297898	4.42	PPBV	99
23) METHYL TERTIARY BUTYL ...	7.707	73	328278	3.92	PPBV	99
24) TETRAHYDROFURAN	9.141	42	107490	4.28	PPBV	98
25) HEXANE	8.664	57	230914	4.05	PPBV	99
26) VINYL ACETATE	7.787	43	240049	3.59	PPBV	98
27) 1,1-DICHLOROETHANE	7.657	63	295770	4.05	PPBV	100
28) METHYL ETHYL KETONE	8.034	43	237967	4.05	PPBV	98
29) cis-1,2-DICHLOROETHYLENE	8.465	96	151029	4.16	PPBV	96
30) ETHYL ACETATE	8.662	43	388251	4.10	PPBV	100
31) CHLOROFORM	8.747	83	384285	3.96	PPBV	99
32) 1,1,1-TRICHLOROETHANE	9.704	97	385439	3.99	PPBV	99
33) CARBON TETRACHLORIDE	10.286	117	483359	4.16	PPBV	100
34) 1,2-DICHLOROETHANE	9.457	62	222100	3.91	PPBV	99
36) BENZENE	10.144	78	389594	3.69	PPBV	99
37) CYCLOHEXANE	10.410	84	208403	4.74	PPBV	93
38) TRICHLOROETHYLENE	11.136	95	233948	4.10	PPBV	99
39) 1,2-DICHLOROPROPANE	10.916	63	132918	3.64	PPBV	99
40) BROMODICHLOROMETHANE	11.102	83	375581	3.66	PPBV	100
41) 2,2,4-TRIMETHYLPENTANE	11.161	57	696578	4.14	PPBV	99
42) 1,4-DIOXANE	11.134	88	73153	4.06	PPBV #	68
43) HEPTANE	11.399	43	234267	4.37	PPBV	99

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\
Data File : Q4453.D
Acq On : 30 Aug 2007 9:18 pm
Operator : danat
Sample : ic234-5 (M112)
Misc : MS14204, MSQ234,,,,,1
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Aug 31 08:30:51 2007
Quant Method : C:\msdchem\1\METHODS\Q083007T.m
Quant Title : TO15 by GCMS w/DB-1 60 m X .25 mm ID 1.0 um
QLast Update : Fri Aug 31 08:29:16 2007
Response via : Initial Calibration

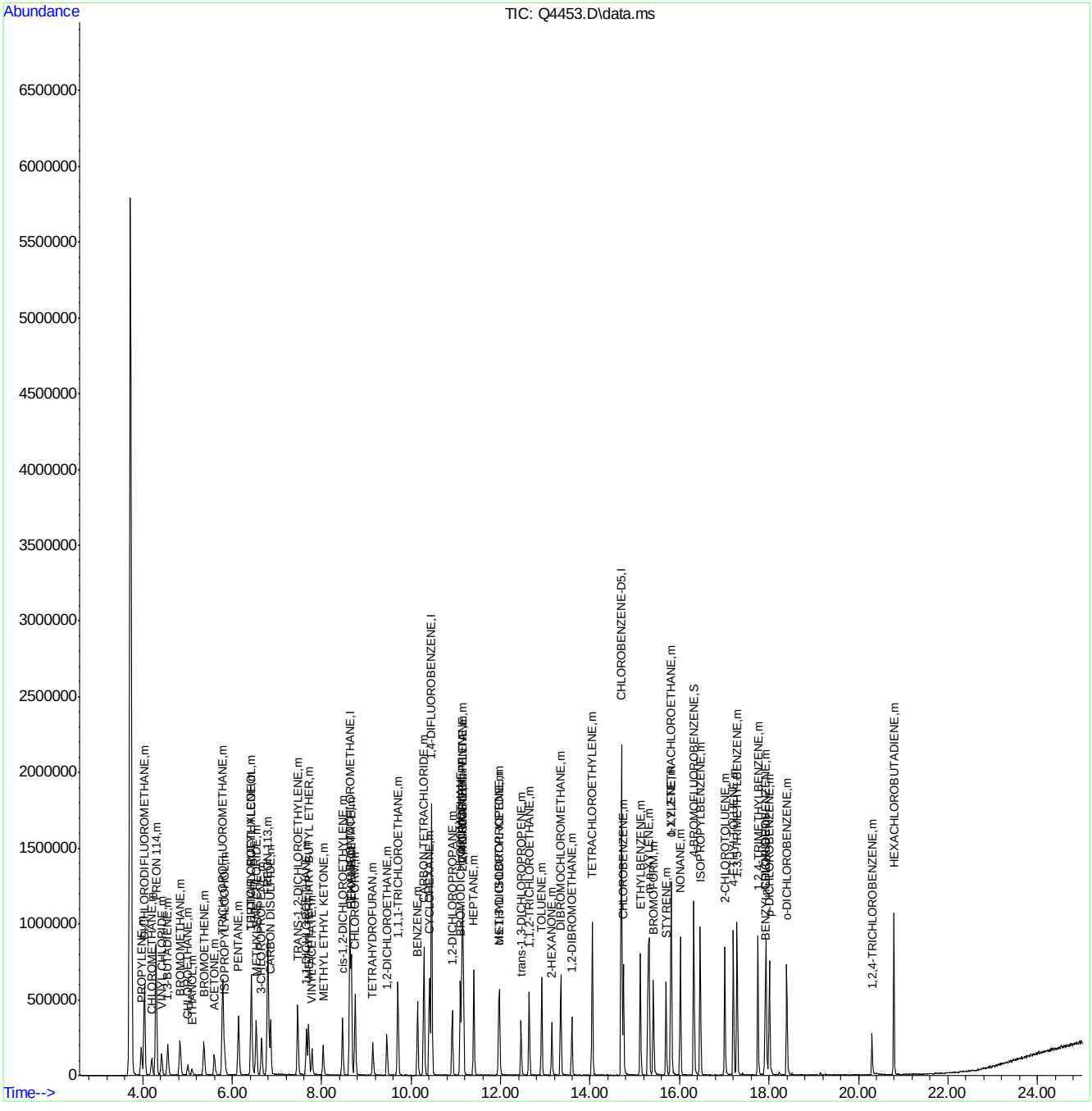
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) METHYL ISOBUTYL KETONE	11.975	43	269146	4.07	PPBV	99
45) cis-1,3-DICHLOROPROPENE	11.958	75	188578	3.69	PPBV	98
46) TOLUENE	12.919	92	239530	3.48	PPBV	98
47) trans-1,3-DICHLOROPROPENE	12.456	75	174839	3.69	PPBV	98
48) 1,1,2-TRICHLOROETHANE	12.639	83	139999	3.65	PPBV	99
50) 2-HEXANONE	13.141	43	219107	3.90	PPBV	98
51) TETRACHLOROETHYLENE	14.048	164	206818	3.58	PPBV	98
52) DIBROMOCHLOROMETHANE	13.344	129	326637	3.43	PPBV	100
53) 1,2-DIBROMOETHANE	13.592	107	233725	3.63	PPBV	100
54) CHLOROBENZENE	14.744	112	367686	3.60	PPBV	98
55) ETHYLBENZENE	15.124	91	509283	3.83	PPBV	99
56) m,p-XYLENE	15.317	106	413471	8.07	PPBV	95
57) o-XYLENE	15.816	106	206750	4.11	PPBV	97
58) STYRENE	15.699	104	263951	3.74	PPBV	98
59) NONANE	16.016	43	290214	4.14	PPBV	100
60) BROMOFORM	15.413	173	285954	3.45	PPBV	100
62) 1,1,2,2-TETRACHLOROETHANE	15.803	83	329841	3.65	PPBV	100
63) ISOPROPYLBENZENE	16.462	105	609806	3.97	PPBV	100
64) 2-CHLOROTOLUENE	17.012	91	437885	4.10	PPBV	100
65) 4-ETHYLTOLUENE	17.202	105	543347	4.30	PPBV	100
66) 1,3,5-TRIMETHYLBENZENE	17.285	105	511355	4.35	PPBV	100
67) 1,2,4-TRIMETHYLBENZENE	17.752	105	439632	4.26	PPBV	99
68) m-DICHLOROBENZENE	17.933	146	302771	3.96	PPBV	99
69) BENZYL CHLORIDE	17.912	91	314941	4.13	PPBV	98
70) p-DICHLOROBENZENE	18.006	146	290951	4.05	PPBV	98
71) o-DICHLOROBENZENE	18.395	146	266955	3.86	PPBV	99
72) HEXACHLOROBUTADIENE	20.791	225	158949	2.91	PPBV	100
73) 1,2,4-TRICHLOROBENZENE	20.303	180	79028	3.74	PPBV	97

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

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\
Data File : Q4453.D
Acq On : 30 Aug 2007 9:18 pm
Operator : danat
Sample : ic234-5 (M112)
Misc : MS14204, MSQ234,,,,,1
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Aug 31 08:30:51 2007
Quant Method : C:\msdchem\1\METHODS\Q083007T.m
Quant Title : TO15 by GCMS w/DB-1 60 m X .25 mm ID 1.0 um
QLast Update : Fri Aug 31 08:29:16 2007
Response via : Initial Calibration



Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\
Data File : Q4454.D
Acq On : 30 Aug 2007 10:01 pm
Operator : danat
Sample : ic234-2 (M112)
Misc : MS14204, MSQ234,,,,,1
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Aug 31 08:32:06 2007
Quant Method : C:\msdchem\1\METHODS\Q083007T.m
Quant Title : TO15 by GCMS w/DB-1 60 m X .25 mm ID 1.0 um
QLast Update : Fri Aug 31 08:30:58 2007
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) BROMOCHLOROMETHANE	8.628	128	283434	10.00	PPBV	0.00
35) 1,4-DIFLUOROBENZENE	10.452	114	1358609	10.00	PPBV	0.00
49) CHLOROBENZENE-D5	14.699	117	1104183	10.00	PPBV	0.00

System Monitoring Compounds

61) 4-BROMOFLUOROBENZENE	16.318	95	368037	4.93	PPBV	0.00

Spiked Amount 5.000 Range 57 - 139 Recovery = 98.60%

Target Compounds						Qvalue
2) DICHLORODIFLUOROMETHANE	4.038	85	412032	2.88	PPBV	99
3) PROPYLENE	3.967	41	71096	2.74	PPBV	99
4) FREON 114	4.296	85	316021	2.34	PPBV	98
5) CHLOROMETHANE	4.198	50	84213	2.60	PPBV	99
6) VINYL CHLORIDE	4.420	62	100497	2.53	PPBV	97
7) 1,3-BUTADIENE	4.562	39	61278	2.21	PPBV	96
8) BROMOMETHANE	4.839	94	110670	2.50	PPBV	99
9) CHLOROETHANE	5.009	64	35369	2.10	PPBV	98
10) TRICHLOROFLUOROMETHANE	5.788	101	356326	2.47	PPBV	100
11) ISOPROPYL ALCOHOL	5.829	45	119331	2.16	PPBV	96
12) ACETONE	5.598	43	112047	1.87	PPBV	100
13) PENTANE	6.143	42	98703	2.46	PPBV	98
14) 1,1-DICHLOROETHYLENE	6.422	96	108868	2.47	PPBV	91
15) CARBON DISULFIDE	6.853	76	330199	2.55	PPBV	99
16) ETHANOL	5.093	45	27648	2.18	PPBV	71
17) BROMOETHENE	5.366	106	102253	2.47	PPBV	99
18) METHYLENE CHLORIDE	6.534	84	104517	0.84	PPBV	94
19) 3-CHLOROPROPENE	6.658	39	73006	2.07	PPBV	96
20) FREON 113	6.795	151	194961	2.23	PPBV	97
21) TRANS-1,2-DICHLOROETHY...	7.466	96	97506	2.25	PPBV	98
22) TERTIARY BUTYL ALCOHOL	6.434	59	160940	2.38	PPBV	95
23) METHYL TERTIARY BUTYL ...	7.710	73	173187	2.10	PPBV	99
24) TETRAHYDROFURAN	9.148	42	51540	2.06	PPBV	98
25) HEXANE	8.663	57	117993	2.09	PPBV	96
26) VINYL ACETATE	7.783	43	125721	1.93	PPBV	92
27) 1,1-DICHLOROETHANE	7.659	63	159940	2.21	PPBV	100
28) METHYL ETHYL KETONE	8.033	43	118656	2.04	PPBV	97
29) cis-1,2-DICHLOROETHYLENE	8.468	96	75055	2.08	PPBV	96
30) ETHYL ACETATE	8.662	43	204375	2.18	PPBV	99
31) CHLOROFORM	8.749	83	207674	2.17	PPBV	99
32) 1,1,1-TRICHLOROETHANE	9.704	97	205902	2.16	PPBV	99
33) CARBON TETRACHLORIDE	10.286	117	257192	2.23	PPBV	100
34) 1,2-DICHLOROETHANE	9.457	62	121317	2.17	PPBV	99
36) BENZENE	10.145	78	207402	1.99	PPBV	100
37) CYCLOHEXANE	10.412	84	108243	2.41	PPBV	90
38) TRICHLOROETHYLENE	11.141	95	123922	2.17	PPBV	99
39) 1,2-DICHLOROPROPANE	10.916	63	73424	2.04	PPBV	100
40) BROMODICHLOROMETHANE	11.102	83	202584	2.01	PPBV	99
41) 2,2,4-TRIMETHYLPENTANE	11.164	57	356961	2.12	PPBV	98
42) 1,4-DIOXANE	11.138	88	36658	2.04	PPBV #	29
43) HEPTANE	11.400	43	114700	2.12	PPBV	98

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\
Data File : Q4454.D
Acq On : 30 Aug 2007 10:01 pm
Operator : danat
Sample : ic234-2 (M112)
Misc : MS14204, MSQ234,,,,,1
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Aug 31 08:32:06 2007
Quant Method : C:\msdchem\1\METHODS\Q083007T.m
Quant Title : TO15 by GCMS w/DB-1 60 m X .25 mm ID 1.0 um
QLast Update : Fri Aug 31 08:30:58 2007
Response via : Initial Calibration

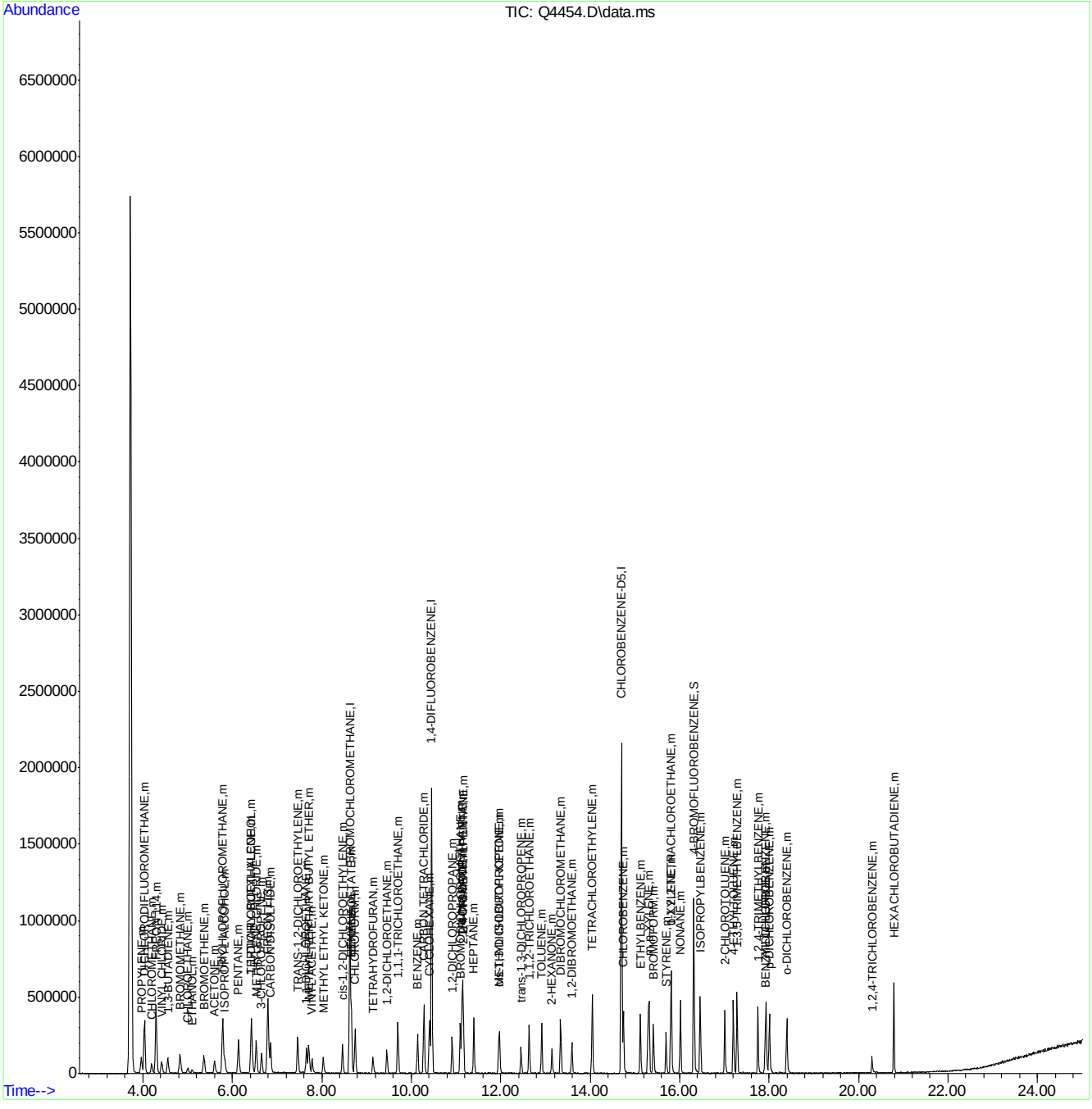
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) METHYL ISOBUTYL KETONE	11.975	43	136338	2.07	PPBV	99
45) cis-1,3-DICHLOROPROPENE	11.959	75	95308	1.89	PPBV	98
46) TOLUENE	12.916	92	119257	1.77	PPBV	97
47) trans-1,3-DICHLOROPROPENE	12.456	75	83104	1.78	PPBV	98
48) 1,1,2-TRICHLOROETHANE	12.637	83	74835	1.98	PPBV	97
50) 2-HEXANONE	13.147	43	102018	1.87	PPBV	96
51) TETRACHLOROETHYLENE	14.046	164	105671	1.90	PPBV	97
52) DIBROMOCHLOROMETHANE	13.342	129	174191	1.91	PPBV	100
53) 1,2-DIBROMOETHANE	13.592	107	124678	2.01	PPBV	98
54) CHLOROBENZENE	14.744	112	195537	2.00	PPBV	99
55) ETHYLBENZENE	15.124	91	242837	1.89	PPBV	99
56) m,p-XYLENE	15.319	106	207134	4.15	PPBV	92
57) o-XYLENE	15.814	106	104525	2.13	PPBV	100
58) STYRENE	15.697	104	114737	1.68	PPBV	99
59) NONANE	16.020	43	143434	2.09	PPBV	99
60) BROMOFORM	15.411	173	151574	1.92	PPBV	99
62) 1,1,2,2-TETRACHLOROETHANE	15.803	83	183118	2.11	PPBV	96
63) ISOPROPYLBENZENE	16.460	105	305505	2.05	PPBV	99
64) 2-CHLOROTOLUENE	17.014	91	211551	2.03	PPBV	99
65) 4-ETHYLTOLUENE	17.202	105	261929	2.11	PPBV	100
66) 1,3,5-TRIMETHYLBENZENE	17.285	105	255775	2.21	PPBV	98
67) 1,2,4-TRIMETHYLBENZENE	17.750	105	206715	2.04	PPBV	99
68) m-DICHLOROBENZENE	17.933	146	165860	2.23	PPBV	98
69) BENZYL CHLORIDE	17.908	91	151161	2.03	PPBV	98
70) p-DICHLOROBENZENE	18.008	146	161510	2.31	PPBV	98
71) o-DICHLOROBENZENE	18.393	146	137501	2.05	PPBV	97
72) HEXACHLOROBUTADIENE	20.789	225	88170	1.72	PPBV	99
73) 1,2,4-TRICHLOROBENZENE	20.304	180	31933	1.57	PPBV	88

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

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\
Data File : Q4454.D
Acq On : 30 Aug 2007 10:01 pm
Operator : danat
Sample : ic234-2 (M112)
Misc : MS14204, MSQ234,,,,,1
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Aug 31 08:32:06 2007
Quant Method : C:\msdchem\1\METHODS\Q083007T.m
Quant Title : TO15 by GCMS w/DB-1 60 m X .25 mm ID 1.0 um
QLast Update : Fri Aug 31 08:30:58 2007
Response via : Initial Calibration



Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\
Data File : Q4455a.D
Acq On : 31 Aug 2007 9:16 am
Operator : danat
Sample : cc234-10 (M217)
Misc : MS14204, MSQ234,,,,,1
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Aug 31 11:38:14 2007
Quant Method : C:\msdchem\1\METHODS\Q083007T.m
Quant Title : TO15 by GCMS w/DB-1 60 m X .25 mm ID 1.0 um
QLast Update : Fri Aug 31 09:48:44 2007
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) BROMOCHLOROMETHANE	8.626	128	267671	10.00	PPBV	0.00
35) 1,4-DIFLUOROBENZENE	10.456	114	1158854	10.00	PPBV	0.00
49) CHLOROBENZENE-D5	14.699	117	955060	10.00	PPBV	0.00

System Monitoring Compounds

61) 4-BROMOFLUOROBENZENE	16.320	95	326825	5.07	PPBV	0.00

Spiked Amount 5.000 Range 57 - 139 Recovery = 101.40%

Target Compounds						Qvalue
2) DICHLORODIFLUOROMETHANE	4.038	85	1262105	8.78	PPBV	99
3) PROPYLENE	3.969	41	259659	10.06	PPBV	97
4) FREON 114	4.298	85	1076085	8.23	PPBV	97
5) CHLOROMETHANE	4.198	50	290593	9.10	PPBV	99
6) VINYL CHLORIDE	4.422	62	335852	8.63	PPBV	99
7) 1,3-BUTADIENE	4.558	39	226553	8.51	PPBV	99
8) BROMOMETHANE	4.835	94	372146	8.59	PPBV	99
9) CHLOROETHANE	5.002	64	150702	9.41	PPBV	99
10) TRICHLOROFLUOROMETHANE	5.787	101	1156290	8.21	PPBV	99
11) ISOPROPYL ALCOHOL	5.819	45	498011	9.42	PPBV	93
12) ACETONE	5.593	43	454990	11.31	PPBV	99
13) PENTANE	6.138	42	321567	8.22	PPBV	98
14) 1,1-DICHLOROETHYLENE	6.424	96	369250	8.60	PPBV	94
15) CARBON DISULFIDE	6.853	76	1143400	8.99	PPBV	99
16) ETHANOL	5.093	45	114657	9.44	PPBV	99
17) BROMOETHENE	5.362	106	353355	8.74	PPBV	99
18) METHYLENE CHLORIDE	6.536	84	339461	8.52	PPBV	95
19) 3-CHLOROPROPENE	6.651	39	302532	9.06	PPBV	99
20) FREON 113	6.798	151	676803	8.06	PPBV	99
21) TRANS-1,2-DICHLOROETHY...	7.464	96	361189	8.67	PPBV	97
22) TERTIARY BUTYL ALCOHOL	6.425	59	634955	9.69	PPBV	99
23) METHYL TERTIARY BUTYL ...	7.703	73	747077	9.52	PPBV	99
24) TETRAHYDROFURAN	9.134	42	257483	8.77	PPBV	97
25) HEXANE	8.660	57	469427	8.75	PPBV	99
26) VINYL ACETATE	7.781	43	619676	10.14	PPBV	99
27) 1,1-DICHLOROETHANE	7.657	63	645467	9.32	PPBV	99
28) METHYL ETHYL KETONE	8.025	43	550019	10.00	PPBV	98
29) cis-1,2-DICHLOROETHYLENE	8.465	96	348103	10.16	PPBV	95
30) ETHYL ACETATE	8.658	43	858048	9.57	PPBV	100
31) CHLOROFORM	8.749	83	870694	9.53	PPBV	99
32) 1,1,1-TRICHLOROETHANE	9.703	97	856584	9.40	PPBV	99
33) CARBON TETRACHLORIDE	10.284	117	1027914	9.28	PPBV	100
34) 1,2-DICHLOROETHANE	9.455	62	507308	9.49	PPBV	99
36) BENZENE	10.144	78	883194	9.96	PPBV	99
37) CYCLOHEXANE	10.406	84	443998	11.26	PPBV	97
38) TRICHLOROETHYLENE	11.139	95	537795	10.92	PPBV	98
39) 1,2-DICHLOROPROPANE	10.914	63	313898	10.21	PPBV	100
40) BROMODICHLOROMETHANE	11.097	83	879679	10.20	PPBV	100
41) 2,2,4-TRIMETHYLPENTANE	11.161	57	1620276	11.18	PPBV	99
42) 1,4-DIOXANE	11.129	88	110422	7.18	PPBV #	77
43) HEPTANE	11.398	43	576178	9.80	PPBV	98

ACCUTEST Laboratories M67318

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\
Data File : Q4455a.D
Acq On : 31 Aug 2007 9:16 am
Operator : danat
Sample : cc234-10 (M217)
Misc : MS14204, MSQ234,,,,,1
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Aug 31 11:38:14 2007
Quant Method : C:\msdchem\1\METHODS\Q083007T.m
Quant Title : TO15 by GCMS w/DB-1 60 m X .25 mm ID 1.0 um
QLast Update : Fri Aug 31 09:48:44 2007
Response via : Initial Calibration

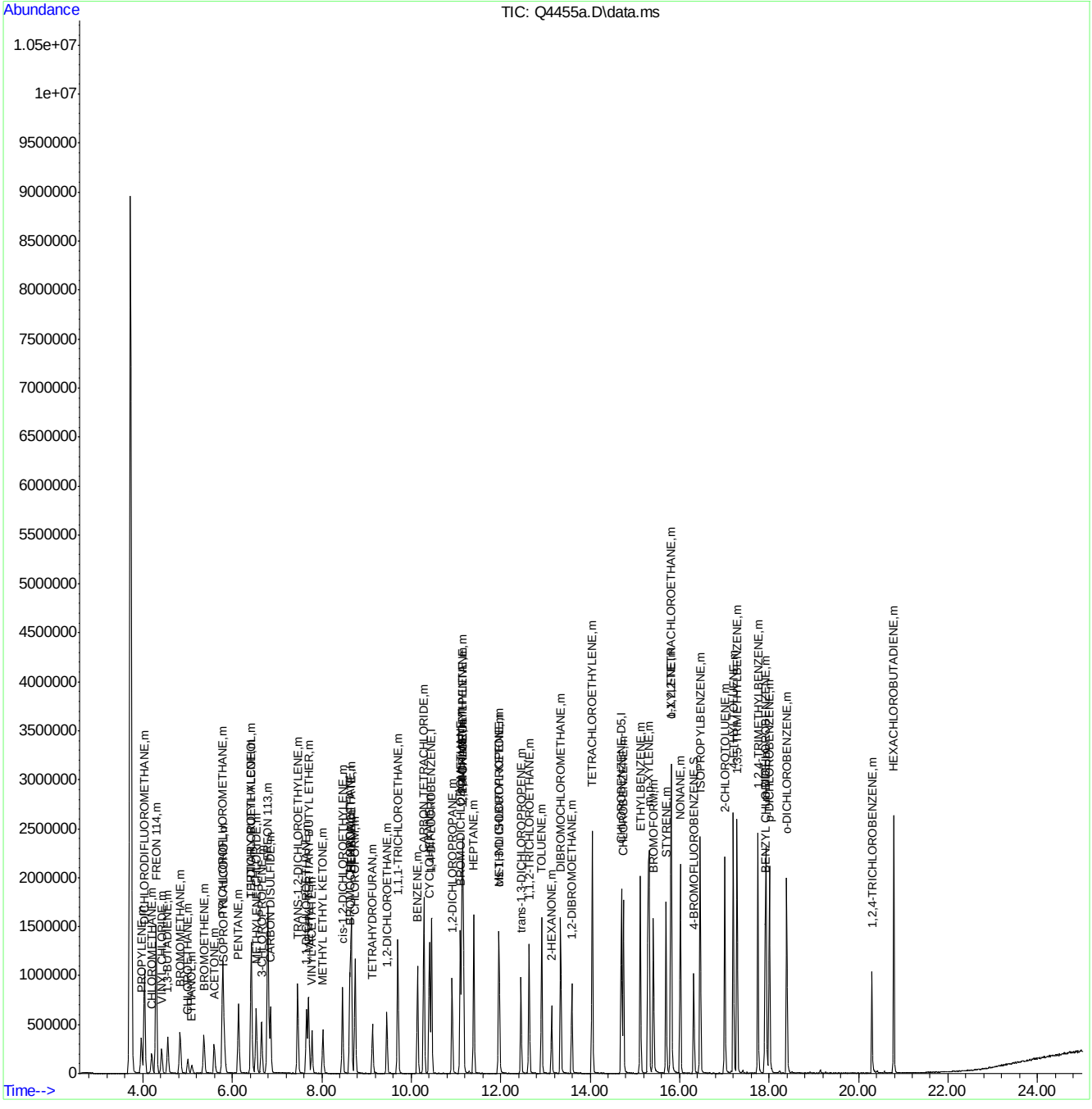
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) METHYL ISOBUTYL KETONE	11.970	43	549059	9.71	PPBV	98
45) cis-1,3-DICHLOROPROPENE	11.954	75	481562	9.71	PPBV	94
46) TOLUENE	12.916	92	601636	10.66	PPBV	99
47) trans-1,3-DICHLOROPROPENE	12.454	75	461351	10.29	PPBV	98
48) 1,1,2-TRICHLOROETHANE	12.637	83	328056	10.19	PPBV	98
50) 2-HEXANONE	13.139	43	423285	7.16	PPBV	100
51) TETRACHLOROETHYLENE	14.048	164	506212	10.62	PPBV	98
52) DIBROMOCHLOROMETHANE	13.344	129	797130	10.19	PPBV	100
53) 1,2-DIBROMOETHANE	13.590	107	576946	10.77	PPBV	99
54) CHLOROBENZENE	14.744	112	888610	10.49	PPBV	98
55) ETHYLBENZENE	15.120	91	1342947	10.39	PPBV	99
56) m,p-XYLENE	15.317	106	1069354	20.74	PPBV	92
57) o-XYLENE	15.816	106	531605	10.36	PPBV	99
58) STYRENE	15.697	104	765191	10.35	PPBV	99
59) NONANE	16.018	43	724240	9.56	PPBV	100
60) BROMOFORM	15.415	173	742451	10.91	PPBV	99
62) 1,1,2,2-TETRACHLOROETHANE	15.803	83	848001	11.19	PPBV	99
63) ISOPROPYLBENZENE	16.460	105	1566642	10.43	PPBV	99
64) 2-CHLOROTOLUENE	17.012	91	1169237	10.28	PPBV	99
65) 4-ETHYLTOLUENE	17.200	105	1499584	10.05	PPBV	100
66) 1,3,5-TRIMETHYLBENZENE	17.285	105	1330144	9.86	PPBV	99
67) 1,2,4-TRIMETHYLBENZENE	17.749	105	1216173	10.01	PPBV	99
68) m-DICHLOROBENZENE	17.933	146	811839	12.43	PPBV	99
69) BENZYL CHLORIDE	17.910	91	933946	10.70	PPBV	99
70) p-DICHLOROBENZENE	18.006	146	799353	12.92	PPBV	99
71) o-DICHLOROBENZENE	18.395	146	720249	12.38	PPBV	99
72) HEXACHLOROBUTADIENE	20.790	225	383676	11.69	PPBV	100
73) 1,2,4-TRICHLOROBENZENE	20.299	180	266564	12.30	PPBV	97

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

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\
Data File : Q4455a.D
Acq On : 31 Aug 2007 9:16 am
Operator : danat
Sample : cc234-10 (M217)
Misc : MS14204, MSQ234,,,,,1
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Aug 31 11:38:14 2007
Quant Method : C:\msdchem\1\METHODS\Q083007T.m
Quant Title : TO15 by GCMS w/DB-1 60 m X .25 mm ID 1.0 um
QLast Update : Fri Aug 31 09:48:44 2007
Response via : Initial Calibration



Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\
Data File : Q4455.D
Acq On : 31 Aug 2007 9:16 am
Operator : danat
Sample : icv234-10 (M217)
Misc : MS14204, MSQ234,,,,,1
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Aug 31 11:26:23 2007
Quant Method : C:\msdchem\1\METHODS\Q083007T.m
Quant Title : TO15 by GCMS w/DB-1 60 m X .25 mm ID 1.0 um
QLast Update : Fri Aug 31 09:48:44 2007
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) BROMOCHLOROMETHANE	8.626	128	267671	10.00	PPBV	0.00
35) 1,4-DIFLUOROBENZENE	10.456	114	1158854	10.00	PPBV	0.00
49) CHLOROBENZENE-D5	14.699	117	955060	10.00	PPBV	0.00

System Monitoring Compounds

61) 4-BROMOFLUOROBENZENE	16.320	95	326825	5.07	PPBV	0.00

Spiked Amount 5.000 Range 57 - 139 Recovery = 101.40%

Target Compounds						Qvalue
2) DICHLORODIFLUOROMETHANE	4.038	85	1262105	8.78	PPBV	99
3) PROPYLENE	3.969	41	259659	10.06	PPBV	97
4) FREON 114	4.298	85	1076085	8.23	PPBV	97
5) CHLOROMETHANE	4.198	50	290593	9.10	PPBV	99
6) VINYL CHLORIDE	4.422	62	335852	8.63	PPBV	99
7) 1,3-BUTADIENE	4.558	39	226553	8.51	PPBV	99
8) BROMOMETHANE	4.835	94	372146	8.59	PPBV	99
9) CHLOROETHANE	5.002	64	150702	9.41	PPBV	99
10) TRICHLOROFLUOROMETHANE	5.787	101	1156290	8.21	PPBV	99
11) ISOPROPYL ALCOHOL	5.819	45	498011	9.42	PPBV	93
12) ACETONE	5.593	43	454990	11.31	PPBV	99
13) PENTANE	6.138	42	321567	8.22	PPBV	98
14) 1,1-DICHLOROETHYLENE	6.424	96	369250	8.60	PPBV	94
15) CARBON DISULFIDE	6.853	76	1143400	8.99	PPBV	99
16) ETHANOL	5.093	45	114657	9.44	PPBV	99
17) BROMOETHENE	5.362	106	353355	8.74	PPBV	99
18) METHYLENE CHLORIDE	6.536	84	339461	8.52	PPBV	95
19) 3-CHLOROPROPENE	6.651	39	302532	9.06	PPBV	99
20) FREON 113	6.798	151	676803	8.06	PPBV	99
21) TRANS-1,2-DICHLOROETHY...	7.464	96	361189	8.67	PPBV	97
22) TERTIARY BUTYL ALCOHOL	6.425	59	634955	9.69	PPBV	99
23) METHYL TERTIARY BUTYL ...	7.703	73	747077	9.52	PPBV	99
24) TETRAHYDROFURAN	9.134	42	257483	8.77	PPBV	97
25) HEXANE	8.660	57	469427	8.75	PPBV	99
26) VINYL ACETATE	7.781	43	619676	10.14	PPBV	99
27) 1,1-DICHLOROETHANE	7.657	63	645467	9.32	PPBV	99
28) METHYL ETHYL KETONE	8.025	43	550019	10.00	PPBV	98
29) cis-1,2-DICHLOROETHYLENE	8.465	96	348103	10.16	PPBV	95
30) ETHYL ACETATE	8.658	43	858048	9.57	PPBV	100
31) CHLOROFORM	8.749	83	870694	9.53	PPBV	99
32) 1,1,1-TRICHLOROETHANE	9.703	97	856584	9.40	PPBV	99
33) CARBON TETRACHLORIDE	10.284	117	1027914	9.28	PPBV	100
34) 1,2-DICHLOROETHANE	9.455	62	507308	9.49	PPBV	99
36) BENZENE	10.144	78	883194	9.96	PPBV	99
37) CYCLOHEXANE	10.406	84	443998	11.26	PPBV	97
38) TRICHLOROETHYLENE	11.139	95	537795	10.92	PPBV	98
39) 1,2-DICHLOROPROPANE	10.914	63	313898	10.21	PPBV	100
40) BROMODICHLOROMETHANE	11.097	83	879679	10.20	PPBV	100
41) 2,2,4-TRIMETHYLPENTANE	11.161	57	1620276	11.18	PPBV	99
42) 1,4-DIOXANE	11.129	88	110422	7.18	PPBV #	77
43) HEPTANE	11.398	43	576178	9.80	PPBV	98

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\
Data File : Q4455.D
Acq On : 31 Aug 2007 9:16 am
Operator : danat
Sample : icv234-10 (M217)
Misc : MS14204, MSQ234,,,,,1
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Aug 31 11:26:23 2007
Quant Method : C:\msdchem\1\METHODS\Q083007T.m
Quant Title : TO15 by GCMS w/DB-1 60 m X .25 mm ID 1.0 um
QLast Update : Fri Aug 31 09:48:44 2007
Response via : Initial Calibration

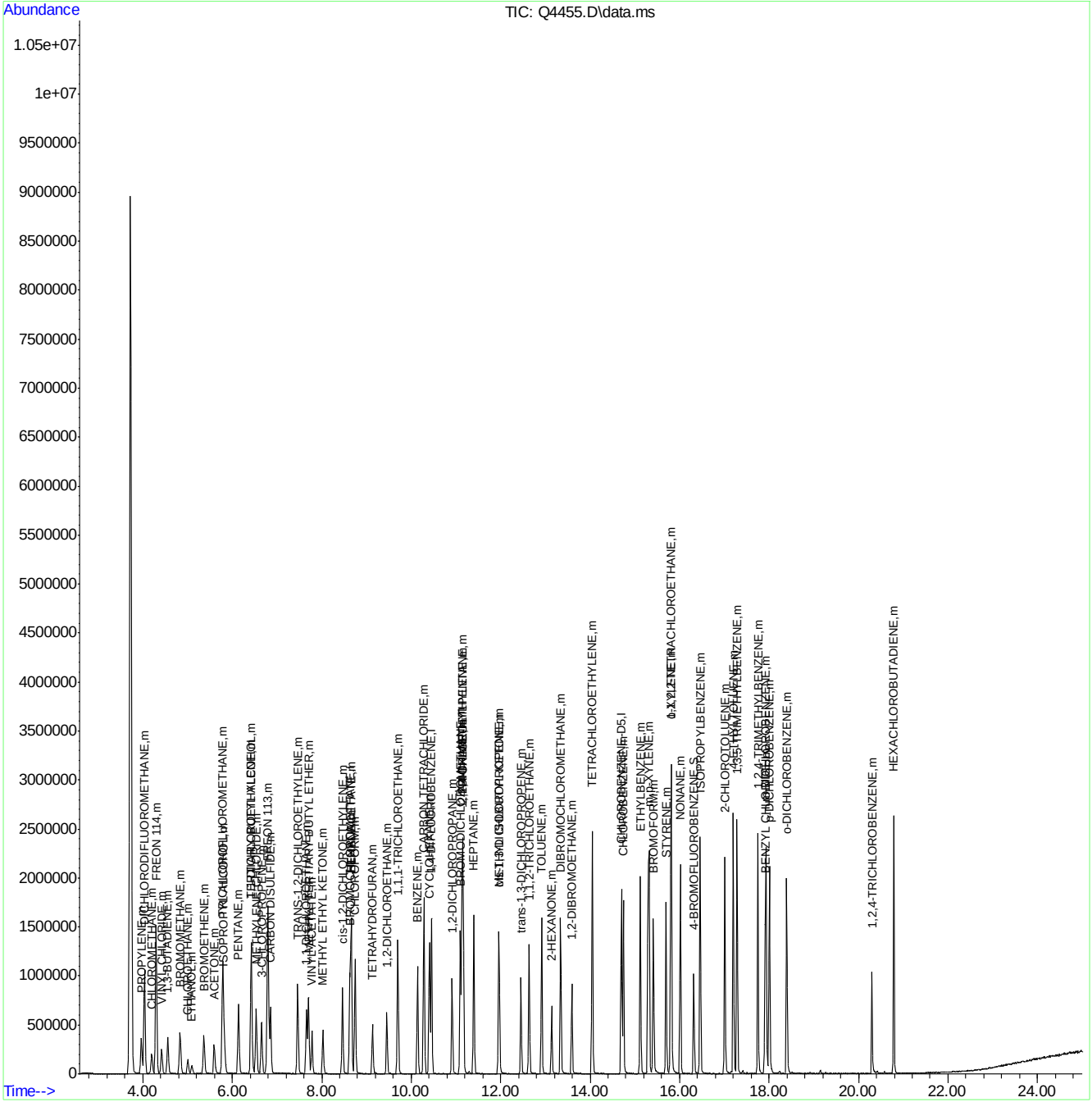
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) METHYL ISOBUTYL KETONE	11.970	43	549059	9.71	PPBV	98
45) cis-1,3-DICHLOROPROPENE	11.954	75	481562	9.71	PPBV	94
46) TOLUENE	12.916	92	601636	10.66	PPBV	99
47) trans-1,3-DICHLOROPROPENE	12.454	75	461351	10.29	PPBV	98
48) 1,1,2-TRICHLOROETHANE	12.637	83	328056	10.19	PPBV	98
50) 2-HEXANONE	13.139	43	423285	7.16	PPBV	100
51) TETRACHLOROETHYLENE	14.048	164	506212	10.62	PPBV	98
52) DIBROMOCHLOROMETHANE	13.344	129	797130	10.19	PPBV	100
53) 1,2-DIBROMOETHANE	13.590	107	576946	10.77	PPBV	99
54) CHLOROBENZENE	14.744	112	888610	10.49	PPBV	98
55) ETHYLBENZENE	15.120	91	1342947	10.39	PPBV	99
56) m,p-XYLENE	15.317	106	1069354	20.74	PPBV	92
57) o-XYLENE	15.816	106	531605	10.36	PPBV	99
58) STYRENE	15.697	104	765191	10.35	PPBV	99
59) NONANE	16.018	43	724240	9.56	PPBV	100
60) BROMOFORM	15.415	173	742451	10.91	PPBV	99
62) 1,1,2,2-TETRACHLOROETHANE	15.803	83	848001	11.19	PPBV	99
63) ISOPROPYLBENZENE	16.460	105	1566642	10.43	PPBV	99
64) 2-CHLOROTOLUENE	17.012	91	1169237	10.28	PPBV	99
65) 4-ETHYLTOLUENE	17.200	105	1499584	10.05	PPBV	100
66) 1,3,5-TRIMETHYLBENZENE	17.285	105	1330144	9.86	PPBV	99
67) 1,2,4-TRIMETHYLBENZENE	17.749	105	1216173	10.01	PPBV	99
68) m-DICHLOROBENZENE	17.933	146	811839	12.43	PPBV	99
69) BENZYL CHLORIDE	17.910	91	933946	10.70	PPBV	99
70) p-DICHLOROBENZENE	18.006	146	799353	12.92	PPBV	99
71) o-DICHLOROBENZENE	18.395	146	720249	12.38	PPBV	99
72) HEXACHLOROBUTADIENE	20.790	225	383676	11.69	PPBV	100
73) 1,2,4-TRICHLOROBENZENE	20.299	180	266564	12.30	PPBV	97

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

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\
Data File : Q4455.D
Acq On : 31 Aug 2007 9:16 am
Operator : danat
Sample : icv234-10 (M217)
Misc : MS14204, MSQ234,,,,,1
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Aug 31 11:26:23 2007
Quant Method : C:\msdchem\1\METHODS\Q083007T.m
Quant Title : TO15 by GCMS w/DB-1 60 m X .25 mm ID 1.0 um
QLast Update : Fri Aug 31 09:48:44 2007
Response via : Initial Calibration



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	8/27/07
BATCH ID	MSQ232
ANALYST	OT

ALS DATA	
METHOD	QT015
NAMELIST	
QC FILE	

GC/MS DATA	
METHOD	Q082707T.m
SEQ	
ICAL	Q4340

STANDARD DATA		
LOT#	DESCRIPTION	CONC
MSA394	TO15 Std	40 ppbv
MSA395	TO15 Std	2 ppbv
MSA391	TO15 BLSS	40 ppbv
MSA390	Int Std/Surr	40/20 ppbv

Sequence Verified: 8/29/07

DATA FILE	SAMPLE ID	CANISTER SERIAL #	TEST	WORK GROUP	ALS	VOL SAMPLE	DIL FACT.	COMMENTS
Q4395	CC231-10	M055		MSA391	3	100		Fails, Re-calibrate
Q4396	IC232-0.5	M050		MSA395	1	100		
Q4397	IC232-0.2	M050			1	40		
Q4398	IC232-40	M053		MSA394	2	400		
Q4399	IC232-20	M053			2	200		RR 1,2,4 Trichlorobenzene outlier
Q4400	IC232-10	M053			2	100		
Q4401	IC232-5	M053			2	50		
Q4402	IC232-2	M053			2	20		
Q4403	IC232-20	M053			2	200		
Q4404	IW232-10	M055		MSA391	3	100		
Q4404A	IC232-10	M055			3	100		
Q4404B	BS	M055			3	100		
Q4405	blank	M019			4	400		
Q4406	MB	M019			4	400		
Q4406A	SCC (CP464)	M019			4	400		
Q4407	M66995-1	M114	VTO15 Std	MS14179	9	650	1	
Q4408	M67063-3	M204			12	20	20	
Q4409	M67112-1	M013			13	400	1	
Q4410	M67264-1	M056	VTO15 GEL Std	MS14196	5	400	1	
Q4411	M67264-10up	M056			5	400	1	
Q4412	M67264-2	M100			6	400	1	
Q4413	M67227-1	M028	VTO15 BTEX & Ethanol		7	400	1	
Q4414	M67227-2	M035			8	400	1	
Q4415	FCB111	M190			95	400	1	

8/28/07

QA Review: 8/30/07

2

MS004.02 (2/7/06)

ACCUTEST Laboratories M67318

Accutest Laboratories of New England, Inc.

MS Analysis Log

Instrument: GCMS Q

BATCH DATA	
DATE	8/28/07
BATCH ID	MSQ233
ANALYST	DT

ALS DATA	
METHOD	QT015
NAMELIST	
QC FILE	

GC/MS DATA	
METHOD	Q082707T.m
SEQ	
ICAL	Q4404

STANDARD DATA		
LOT#	DESCRIPTION	CONC
MSA391	T015 LCS	40 ppbv
MSA390	Int Std/surr	40/20 ppbv

Sequence Verified: _____ PB 8-24-07

DATA FILE	SAMPLE ID	CANISTER SERIAL #	TEST	WORK GROUP	ALS	VOL SAMPLE	DIL FACT.	COMMENTS
Q4416	CC232-10	M055		MSA391	3	100		
Q4416A	BS	M055		MSA391	3	100		
Q4417	blank	M019			4	400		
Q4418	MB	M019			4	400		
Q4419	M67317-1	M134	VT015 Std	MS14204	5	400	1	
Q4420	M67317-1dup	M134	Get list		5	400	1	
Q4421	-2	M122			6	400	1	
Q4422	-3	M059			7	400	1	
Q4423	-4	M141			8			PR – valve not opened
Q4424	-5	M144			9	400	1	
Q4425	-6	M069			10	400	1	
Q4426	-7	M139			11	400	1	
Q4427	-8	M060			12	400	1	
Q4428	-9	M113			13	400	1	
Q4429	M67318-1	M162			14	400	1	
Q4430	-2				15			not run

DT 8/29/07

QA Review: AT 8/30/07

3

MS004-02 (2/7/06)

ACCUTEST Laboratories M67318

Accutest Laboratories of New England, Inc.

MS Analysis Log

Instrument: GCMS Q

BATCH DATA	
DATE	8/30/07
BATCH ID	MSQ234
ANALYST	DV

ALS DATA	
METHOD	Q7015
NAMELIST	
QC FILE	

GC/MS DATA	
METHOD	Q083007T.m
SEQ	
ICAL	8/30/07 Q4455

STANDARD DATA		
LOT#	DESCRIPTION	CONC
MSA399	T015 Std	40 ppb
MSA400	T015 Std	2 ppb
MSA401	T015 LCS	40 ppb
MSA390	Int/Surr	40/20 ppb

Sequence Verified: DV 9/4/07

DATA FILE	SAMPLE ID	CANISTER SERIAL #	TEST	WORK GROUP	ALS	VOL SAMPLE	DIL FACT.	COMMENTS
Q4448	IC234-0.5	M174	~~MSA400~~	MSA400	1	100		
Q4449	IC234-0.2	M174	NA	MSA400	1	40		
Q4450	IC234-40	M112		MSA399	2	400		
Q4451	IC234-20	M112		MSA399	2	200		
Q4452	IC234-10	M112		MSA399	2	100		
Q4453	IC234-5	M112		MSA399	2	50		
Q4454	IC234-2	M112		MSA399	2	20		
Q4455	ICV234-10	M217		MSA401	3	100		
Q4455A	CC234-10	M217		MSA401	3	100		
Q4455B	BS	M217		MSA401	3	100		
Q4456	blank	~~M139~~ M130		NA	4	400	1	
Q4457	MB	M130			4	400	1	
Q4457A	SCC (CP465)	M130			4	400	1	
Q4458	M67317-4	M141	VT015 GEI List	MS14204	8	400	1	
Q4459	M67317-4dup	M141			8	400	1	
Q4460	M67318-2	M075			15	400	1	
Q4461	SCC (CP461)	M196	VT015	NA	4	400	1	BR - Int Stds ↑
Q4462	SCC (CP461)	M196			4	400	1	
Q4463	SCC (M145)	M145			5	400	1	
Q4464	SCC (M022)	M022			6	400	1	
Q4465	SCC	M081			7	400		
Q4466	SCC (CP)	M027			8	400		Int ↑
Q4467	SCC (CP467)	M013			4	400		Int ↑
Q4468	SCC	M034			9	400		
Q4469	SCC	M220			10	400		
Q4470	SCC	M077			11	400		
Q4471	SCC	M219			12	400		
Q4472	SCC	M155			13	400		
Q4473	SCC	M102			14	400		
Q4474	SCC	M147			15	400		Int ↑
Q4475	SCC	M074			16	400		Int ↑
Q4476	SCC	M027			8	400		

QA Review: AY 9/4/07

ACCUTEST Laboratories M67318