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: M67264

Sampling Date: 08/23/07

Report to:

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

ATTN: Raymond Siegener, Ph.D.

Total number of pages in report: **344**

ACCREDITED IN ACCORDANCE WITH nelac

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

Reza Tand
Lab Director

ACCUTEST LABORATORIES 50 YEARS 1956-2006

Client Service contact: Kristen Blanchard 508-481-6200

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

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Test results relate only to samples analyzed.

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Sample Summary

GEI Consultants, Inc.

Job No: M67264

GEI Tufts Street Somerville MA
Project No: 045162

Sample Number	Collected Date	Time	By	Received	Matrix Code	Type	Client Sample ID
M67264-1	08/23/07	20:02	SLS	08/24/07	AIR	Air	045162-95RFRANK-1
M67264-2	08/23/07	19:13	SLS	08/24/07	AIR	Air	045162-95RFRANK-B

SAMPLE DELIVERY GROUP CASE NARRATIVE

Client:	GEI Consultants, Inc.	**Job No**	M67264
Site:	GEI Tufts Street Somerville MA	**Report Date**	9/4/2007 10:24:56 AM

2 Sample(s) were collected on 08/23/2007 and were received at Accutest on 08/24/2007. These Samples received an Accutest job number of M67264. 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:** MSQ232

- All samples were analyzed within the recommended method holding time.
- All method blanks for this batch meet method specific criteria.
- Sample(s) M67264-1DUP were used as the QC samples indicated.
- RPD(s) for Duplicate for 1,1,2-Trichloroethane are outside control limits for sample M67264-1DUP. High RPD due to sample levels below detection limit.

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(M67264).

Sample Results

Report of Analysis

Accutest Laboratories

Report of Analysis

Client Sample ID:	045162-95RFRANK-1		
Lab Sample ID:	M67264-1	**Date Sampled:**	08/23/07
Matrix:	AIR - Air Summa ID: M056	**Date Received:**	08/24/07
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	Q4410.D	1	08/27/07	DFT	n/a	n/a	MSQ232
Run #2							

	Initial Volume
Run #1	400 ml
Run #2	

CAS No.	MW	Compound	Result	RL	Units	Q	Result	RL	Units
75-00-3	64.52	Chloroethane	ND	0.20	ppbv		ND	0.53	ug/m3
56-23-5	153.8	Carbon tetrachloride	0.11	0.20	ppbv	J	0.69	1.3	ug/m3
75-34-3	98.96	1,1-Dichloroethane	ND	0.20	ppbv		ND	0.81	ug/m3
75-35-4	96.94	1,1-Dichloroethylene	ND	0.20	ppbv		ND	0.79	ug/m3
107-06-2	98.96	1,2-Dichloroethane	ND	0.20	ppbv		ND	0.81	ug/m3
156-60-5	96.94	trans-1,2-Dichloroethylene	ND	0.20	ppbv		ND	0.79	ug/m3
156-59-2	96.94	cis-1,2-Dichloroethylene	ND	0.20	ppbv		ND	0.79	ug/m3
71-55-6	133.4	1,1,1-Trichloroethane	ND	0.20	ppbv		ND	1.1	ug/m3
79-34-5	167.9	1,1,2,2-Tetrachloroethane	ND	0.20	ppbv		ND	1.4	ug/m3
79-00-5	133.4	1,1,2-Trichloroethane	ND	0.20	ppbv		ND	1.1	ug/m3
127-18-4	165.8	Tetrachloroethylene	0.34	0.20	ppbv		2.3	1.4	ug/m3
79-01-6	131.4	Trichloroethylene	ND	0.20	ppbv		ND	1.1	ug/m3
75-01-4	62.5	Vinyl chloride	ND	0.20	ppbv		ND	0.51	ug/m3

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
460-00-4	4-Bromofluorobenzene	92%		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:	045162-95RFRANK-B		
Lab Sample ID:	M67264-2	**Date Sampled:**	08/23/07
Matrix:	AIR - Air Summa ID: M100	**Date Received:**	08/24/07
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	Q4412.D	1	08/27/07	DFT	n/a	n/a	MSQ232
Run #2							

	Initial Volume
Run #1	400 ml
Run #2	

CAS No.	MW	Compound	Result	RL	Units	Q	Result	RL	Units
75-00-3	64.52	Chloroethane	ND	0.20	ppbv		ND	0.53	ug/m3
56-23-5	153.8	Carbon tetrachloride	0.11	0.20	ppbv	J	0.69	1.3	ug/m3
75-34-3	98.96	1,1-Dichloroethane	ND	0.20	ppbv		ND	0.81	ug/m3
75-35-4	96.94	1,1-Dichloroethylene	ND	0.20	ppbv		ND	0.79	ug/m3
107-06-2	98.96	1,2-Dichloroethane	ND	0.20	ppbv		ND	0.81	ug/m3
156-60-5	96.94	trans-1,2-Dichloroethylene	ND	0.20	ppbv		ND	0.79	ug/m3
156-59-2	96.94	cis-1,2-Dichloroethylene	ND	0.20	ppbv		ND	0.79	ug/m3
71-55-6	133.4	1,1,1-Trichloroethane	ND	0.20	ppbv		ND	1.1	ug/m3
79-34-5	167.9	1,1,2,2-Tetrachloroethane	ND	0.20	ppbv		ND	1.4	ug/m3
79-00-5	133.4	1,1,2-Trichloroethane	ND	0.20	ppbv		ND	1.1	ug/m3
127-18-4	165.8	Tetrachloroethylene	0.52	0.20	ppbv		3.5	1.4	ug/m3
79-01-6	131.4	Trichloroethylene	ND	0.20	ppbv		ND	1.1	ug/m3
75-01-4	62.5	Vinyl chloride	ND	0.20	ppbv		ND	0.51	ug/m3

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
460-00-4	4-Bromofluorobenzene	94%		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 #: M67264

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): Samantha Slater

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

Weather Parameters

Temperature (Fahrenheit)
Start: 73.5 Maximum:
Stop: Minimum:

Atmospheric Pressure (inches of Hg)
Start: 30.17 Maximum:
Stop: Minimum:

Other weather comment:

Requested Analysis

Lab Sample #	Field ID / Point of Collection	Air Type: Indoor(I) Soil Vap(SV) Ambient(A)	Sampling Equipment Info: Canister Serial #	Canister Size 6L or 1L	Flow Controller Serial #	Start Sampling Information: Date	Time (24hr clock)	Canister Pressure ("Hg)	Interior Temp (F)	Sampler Init.	Stop Sampling Information: Date	Time (24hr clock)	Canister Pressure ("Hg)	Interior Temp (F)	Sampler Init.	Standard TO-15 Reporting List	MA DEP APH
-1	045162-95RFrank-1	I	M0516	6L	MC021	8/23/07	1455	31	74.6	SLS	8/23/07	2002	6.5	76.4	SLS		
-2	045162-95RFrank-B	I	M0516	6L	MC058	8/23/07	1458	29	71.7	SLS	8/23/07	1913	5	74.3	SLS		

Turnaround Time (Business days)

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

Approved By:
Date:

Data Deliverable Information

Comm A
Comm B
Full T1
Other:

RUSH

Comments / Remarks

Please see attached list of analytes.
045162-95RFrank-1 ran about slow. Please check regulator

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

Relinquished by Laboratory:	Date Time:	Received By:	Relinquished By:	Date Time:	Received By:
1		1	2 GEI Lab	8/23/07 1430	2
3 Samantha Slater	8/23/07 2040	3 GEI Lab	4 GEI Lab	8/24/07 11:15	4 Maura MacLeod
5 Maura MacLeod	8/24/07 11:15	5 Well ass.	Custody Seal #		

SM013-01 (2/14/06)

4.1 4

M67264: Chain of Custody
Page 1 of 2

Indoor Air Sampling Analyte List

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

Summa Canister and Flow Controller Log

Job Number: M67264
Account: GEI GEI Consultants, Inc.
Project: GEI Tufts Street Somerville MA
Received: 08/24/07

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
M056	6	29.4	08/21/07	DFT	CP459	Q4354.D	M67264-1	08/27/07	DFT	5.4			1
M100	6	29.4	08/21/07	DFT	CP459	Q4354.D	M67264-2	08/27/07	DFT	5			1

FLOW CONTROLLERS

Shipping					Receiving		
Flow Crtl ID	Date Out	By	cc/ min	Time hrs.	Date In	By	cc/ min
MC021	07/18/07	DFT	20	4	08/27/07	DFT	16.1
MC058	07/18/07	DFT	20	4	08/27/07	DFT	21.2

Accutest Bottle Order(s):
DT/GEI/8-21-07/TUFTS ST
GEI/7-18-07/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: M67264

GEI Tufts Street Somerville MA
Project No: 045162

Sample Number	Method	Analyzed	By	Prepped	By	Test Codes
M67264-1	Collected: 23-AUG-07 20:02	By: SLS	Received: 24-AUG-07	By: RT		
045162-95RFRANK-1						
M67264-1	TO-15	27-AUG-07 19:55	DFT			VTO15STD
M67264-2	Collected: 23-AUG-07 19:13	By: SLS	Received: 24-AUG-07	By: RT		
045162-95RFRANK-B						
M67264-2	TO-15	27-AUG-07 21:20	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: M67264
Account: GEI GEI Consultants, Inc.
Project: GEI Tufts Street Somerville MA

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
MSQ232-MB	Q4406.D	1	08/27/07	DFT	n/a	n/a	MSQ232

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

M67264-1, M67264-2

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	81%	57-139%

Method Blank Summary

Job Number: M67264
Account: GEI GEI Consultants, Inc.
Project: GEI Tufts Street Somerville MA

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
MSQ229-MB	Q4318.D	1	08/17/07	DFT	n/a	n/a	MSQ229

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

MSQ229-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	79%	57-139%

Method Blank Summary

Job Number: M67264
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: M67264
Account: GEI GEI Consultants, Inc.
Project: GEI Tufts Street Somerville MA

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
MSQ232-BS	Q4404B.D	1	08/27/07	DFT	n/a	n/a	MSQ232

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

M67264-1, M67264-2

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	10.6	106	70-130
75-34-3	1,1-Dichloroethane	10	10.8	108	70-130
75-35-4	1,1-Dichloroethylene	10	10.2	102	70-130
107-06-2	1,2-Dichloroethane	10	10.9	109	70-130
156-60-5	trans-1,2-Dichloroethylene	10	10.4	104	70-130
156-59-2	cis-1,2-Dichloroethylene	10	11.6	116	70-130
71-55-6	1,1,1-Trichloroethane	10	10.8	108	70-130
79-34-5	1,1,2,2-Tetrachloroethane	10	11.1	111	70-130
79-00-5	1,1,2-Trichloroethane	10	11.1	111	70-130
127-18-4	Tetrachloroethylene	10	10.8	108	70-130
79-01-6	Trichloroethylene	10	10.8	108	70-130
75-01-4	Vinyl chloride	10	10.5	105	70-130

CAS No.	Surrogate Recoveries	BSP	Limits
460-00-4	4-Bromofluorobenzene	104%	57-139%

Blank Spike Summary

Job Number: M67264
Account: GEI GEI Consultants, Inc.
Project: GEI Tufts Street Somerville MA

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
MSQ229-BS	Q4317B.D	1	08/17/07	DFT	n/a	n/a	MSQ229

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

MSQ229-SCC

CAS No.	Compound	Spike ppbv	BSP ppbv	BSP %	Limits
75-00-3	Chloroethane	10	10.6	106	70-130
56-23-5	Carbon tetrachloride	10	8.5	85	70-130
75-34-3	1,1-Dichloroethane	10	9.1	91	70-130
75-35-4	1,1-Dichloroethylene	10	9.5	95	70-130
107-06-2	1,2-Dichloroethane	10	10	100	70-130
156-60-5	trans-1,2-Dichloroethylene	10	9.7	97	70-130
156-59-2	cis-1,2-Dichloroethylene	10	11.6	116	70-130
71-55-6	1,1,1-Trichloroethane	10	9.0	90	70-130
79-34-5	1,1,2,2-Tetrachloroethane	10	11.6	116	70-130
79-00-5	1,1,2-Trichloroethane	10	11.4	114	70-130
127-18-4	Tetrachloroethylene	10	12.1	121	70-130
79-01-6	Trichloroethylene	10	12.2	122	70-130
75-01-4	Vinyl chloride	10	11.7	117	70-130

CAS No.	Surrogate Recoveries	BSP	Limits
460-00-4	4-Bromofluorobenzene	121%	57-139%

Blank Spike Summary

Job Number: M67264
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: M67264
Account: GEI GEI Consultants, Inc.
Project: GEI Tufts Street Somerville MA

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
M67264-1DUP	Q4411.D	1	08/27/07	DFT	n/a	n/a	MSQ232
M67264-1	Q4410.D	1	08/27/07	DFT	n/a	n/a	MSQ232

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

M67264-1, M67264-2

CAS No.	Compound	M67264-1 ppbv	Q	DUP ppbv	Q	RPD	Limits
75-00-3	Chloroethane	ND		ND		nc	25
56-23-5	Carbon tetrachloride	0.11	J	0.12	J	9	25
75-34-3	1,1-Dichloroethane	ND		ND		nc	25
75-35-4	1,1-Dichloroethylene	ND		ND		nc	25
107-06-2	1,2-Dichloroethane	ND		ND		nc	25
156-60-5	trans-1,2-Dichloroethylene	ND		ND		nc	25
156-59-2	cis-1,2-Dichloroethylene	ND		ND		nc	25
71-55-6	1,1,1-Trichloroethane	ND		ND		nc	25
79-34-5	1,1,2,2-Tetrachloroethane	ND		ND		nc	25
79-00-5	1,1,2-Trichloroethane	ND		0.27		200* [a]	25
127-18-4	Tetrachloroethylene	0.34		0.34		0	25
79-01-6	Trichloroethylene	ND		ND		nc	25
75-01-4	Vinyl chloride	ND		ND		nc	25

CAS No.	Surrogate Recoveries	DUP	M67264-1	Limits
460-00-4	4-Bromofluorobenzene	94%	92%	57-139%

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

Summa Cleaning Certification

Job Number: M67264
Account: GEI GEI Consultants, Inc.
Project: GEI Tufts Street Somerville MA

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
MSQ229-SCC	Q4318A.D	1	08/17/07	DFT	n/a	n/a	MSQ229

The QC reported here (Summa M056) applies to the following samples: **Method:** TO-15

Batch CP459 cleaned 08/14/07: M67264-1(M056)

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%

Summa Cleaning Certification

Job Number: M67264
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	Q4351.D	1	08/21/07	DFT	n/a	n/a	MSQ230

The QC reported here (Summa M100) applies to the following samples: **Method:** TO-15

Batch CP459 cleaned 08/14/07: M67264-2(M100)

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%

Instrument Performance Check (BFB)

Job Number: M67264
Account: GEI GEI Consultants, Inc.
Project: GEI Tufts Street Somerville MA

Sample: MSQ229-BFB
Lab File ID: Q4308.D
Instrument ID: GCMSQ
Injection Date: 08/16/07
Injection Time: 12:06

m/e	Ion Abundance Criteria	Raw Abundance	% Relative Abundance		Pass/Fail
50	8.0 - 40.0% of mass 95	16462	28.6		Pass
75	30.0 - 66.0% of mass 95	32218	56.0		Pass
95	Base peak, 100% relative abundance	57561	100.0		Pass
96	5.0 - 9.0% of mass 95	3972	6.9		Pass
173	Less than 2.0% of mass 174	378	0.66	(0.96) [a]	Pass
174	50.0 - 120.0% of mass 95	39529	68.7		Pass
175	4.0 - 9.0% of mass 174	2349	4.1	(5.9) [a]	Pass
176	93.0 - 101.0% of mass 174	37867	65.8	(95.8) [a]	Pass
177	5.0 - 9.0% of mass 176	2327	4.0	(6.1) [b]	Pass

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

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

Lab Sample ID	Lab File ID	Date Analyzed	Time Analyzed	Hours Lapsed	Client Sample ID
MSQ229-IC229	Q4308.D	08/16/07	12:06	00:00	Initial cal 0.5
MSQ229-IC229	Q4309.D	08/16/07	12:51	00:45	Initial cal 0.2
MSQ229-IC229	Q4311.D	08/16/07	14:47	02:41	Initial cal 20
MSQ229-ICC229	Q4312.D	08/16/07	15:33	03:27	Initial cal 10
MSQ229-IC229	Q4313.D	08/16/07	16:19	04:13	Initial cal 5
MSQ229-IC229	Q4314.D	08/16/07	17:05	04:59	Initial cal 2
MSQ229-IC229	Q4315.D	08/16/07	17:51	05:45	Initial cal 40
MSQ229-ICV229	Q4317.D	08/17/07	08:48	20:42	Initial cal verification 10

Instrument Performance Check (BFB)

Job Number: M67264
Account: GEI GEI Consultants, Inc.
Project: GEI Tufts Street Somerville MA

Sample: MSQ229-BFB
Lab File ID: Q4317A.D
Instrument ID: GCMSQ
Injection Date: 08/17/07
Injection Time: 08:48

m/e	Ion Abundance Criteria	Raw Abundance	% Relative Abundance		Pass/Fail
50	8.0 - 40.0% of mass 95	34108	26.3		Pass
75	30.0 - 66.0% of mass 95	72710	56.0		Pass
95	Base peak, 100% relative abundance	129813	100.0		Pass
96	5.0 - 9.0% of mass 95	8789	6.8		Pass
173	Less than 2.0% of mass 174	141	0.11	(0.15) [a]	Pass
174	50.0 - 120.0% of mass 95	91297	70.3		Pass
175	4.0 - 9.0% of mass 174	7322	5.6	(8.0) [a]	Pass
176	93.0 - 101.0% of mass 174	89414	68.9	(97.9) [a]	Pass
177	5.0 - 9.0% of mass 176	5481	4.2	(6.1) [b]	Pass

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

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

Lab Sample ID	Lab File ID	Date Analyzed	Time Analyzed	Hours Lapsed	Client Sample ID
MSQ229-CC229	Q4317A.D	08/17/07	08:48	00:00	Continuing cal 10
MSQ229-BS	Q4317B.D	08/17/07	08:48	00:00	Blank Spike
MSQ229-MB	Q4318.D	08/17/07	09:31	00:43	Method Blank
MSQ229-SCC	Q4318A.D	08/17/07	09:31	00:43	Summa Cleaning Certification
ZZZZZZ	Q4319.D	08/17/07	10:20	01:32	(unrelated sample)
M66661-5	Q4320.D	08/17/07	11:03	02:15	(used for QC only; not part of job M67264)
ZZZZZZ	Q4321.D	08/17/07	11:47	02:59	(unrelated sample)
M66661-5DUP	Q4322.D	08/17/07	12:31	03:43	Duplicate
ZZZZZZ	Q4326.D	08/17/07	15:27	06:39	(unrelated sample)
MSQ229-SCC	Q4330.D	08/17/07	18:30	09:42	Summa Cleaning Certification

Instrument Performance Check (BFB)

Job Number: M67264
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: M67264
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: M67264
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: M67264
Account: GEI GEI Consultants, Inc.
Project: GEI Tufts Street Somerville MA

Sample: MSQ232-BFB
Lab File ID: Q4404A.D
Instrument ID: GCMSQ
Injection Date: 08/27/07
Injection Time: 15:23

m/e	Ion Abundance Criteria	Raw Abundance	% Relative Abundance		Pass/Fail
50	8.0 - 40.0% of mass 95	22917	18.7		Pass
75	30.0 - 66.0% of mass 95	58149	47.5		Pass
95	Base peak, 100% relative abundance	122521	100.0		Pass
96	5.0 - 9.0% of mass 95	8503	6.9		Pass
173	Less than 2.0% of mass 174	509	0.42	(0.46) [a]	Pass
174	50.0 - 120.0% of mass 95	109672	89.5		Pass
175	4.0 - 9.0% of mass 174	8108	6.6	(7.4) [a]	Pass
176	93.0 - 101.0% of mass 174	106066	86.6	(96.7) [a]	Pass
177	5.0 - 9.0% of mass 176	7409	6.0	(7.0) [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
MSQ232-BS	Q4404B.D	08/27/07	15:23	00:00	Blank Spike
MSQ232-ICV232	Q4404.D	08/27/07	15:23	00:00	Initial cal verification 10
MSQ232-CC232	Q4404A.D	08/27/07	15:23	00:00	Continuing cal 10
MSQ232-MB	Q4406.D	08/27/07	16:59	01:36	Method Blank
MSQ232-SCC	Q4406A.D	08/27/07	16:59	01:36	Summa Cleaning Certification
ZZZZZZ	Q4407.D	08/27/07	17:48	02:25	(unrelated sample)
ZZZZZZ	Q4408.D	08/27/07	18:29	03:06	(unrelated sample)
ZZZZZZ	Q4409.D	08/27/07	19:12	03:49	(unrelated sample)
M67264-1	Q4410.D	08/27/07	19:55	04:32	045162-95RFRANK-1
M67264-1DUP	Q4411.D	08/27/07	20:38	05:15	Duplicate
M67264-2	Q4412.D	08/27/07	21:20	05:57	045162-95RFRANK-B
ZZZZZZ	Q4413.D	08/27/07	22:02	06:39	(unrelated sample)
ZZZZZZ	Q4414.D	08/27/07	22:45	07:22	(unrelated sample)

Volatile Internal Standard Area Summary

Job Number: M67264
Account: GEI GEI Consultants, Inc.
Project: GEI Tufts Street Somerville MA

Check Std:	MSQ229-CC229	**Injection Date:**	08/17/07
Lab File ID:	Q4317A.D	**Injection Time:**	08:48
Instrument ID:	GCMSQ	**Method:**	TO-15

	IS 1 AREA	RT	IS 2 AREA	RT	IS 3 AREA	RT
Check Std	177633	8.63	702030	10.46	560597	14.70
Upper Limit [a]	248686	8.96	982842	10.79	784836	15.03
Lower Limit [b]	106580	8.30	421218	10.13	336358	14.37

Lab Sample ID	IS 1 AREA	RT	IS 2 AREA	RT	IS 3 AREA	RT
MSQ229-BS	177633	8.63	702030	10.46	560597	14.70
MSQ229-MB	199950	8.63	875503	10.46	687756	14.70
MSQ229-SCC	199950	8.63	875503	10.46	687756	14.70
ZZZZZZ	251281[c]	8.63	1067125[c]	10.46	815921[c]	14.70
M66661-5	203542	8.63	844662	10.46	692501	14.70
ZZZZZZ	233226	8.63	1046702[c]	10.46	843063[c]	14.70
M66661-5DUP	205372	8.63	885210	10.46	715472	14.70
ZZZZZZ	279264[c]	8.63	1237358[c]	10.46	947008[c]	14.70
MSQ229-SCC	182860	8.63	832574	10.46	658768	14.70

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

(a) Upper Limit = +40% of check standard area; Retention time +0.33 minutes.
(b) Lower Limit = -40% of check standard area; Retention time -0.33 minutes.
(c) Outside control limits due to possible matrix interference. Confirmed by reanalysis.

Volatile Internal Standard Area Summary

Job Number: M67264
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: M67264
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
M67264-2	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.

Initial Calibration Retention Time/Internal Standard Area Summary

Job Number: M67264
Account: GEI GEI Consultants, Inc.
Project: GEI Tufts Street Somerville MA

Sample Number	Lab File ID	Injected	By	Level	Inst ID	Method	
MSQ229-IC229	Q4308.D	08/16/07 12:06	DFT	0.5	GCMSQ	TO-15	Reporting this level
MSQ229-IC229	Q4309.D	08/16/07 12:51	DFT	0.2	GCMSQ	TO-15	
MSQ229-IC229	Q4311.D	08/16/07 14:47	DFT	20	GCMSQ	TO-15	
MSQ229-ICC229	Q4312.D	08/16/07 15:33	DFT	10	GCMSQ	TO-15	
MSQ229-IC229	Q4313.D	08/16/07 16:19	DFT	5	GCMSQ	TO-15	
MSQ229-IC229	Q4314.D	08/16/07 17:05	DFT	2	GCMSQ	TO-15	
MSQ229-IC229	Q4315.D	08/16/07 17:51	DFT	40	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	1.061	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	0.795	0.735-0.855
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	17.02	14.70	1.158	ok	1.158	1.098-1.218
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	11.16	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	7.47	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	18.40	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	5.11	8.63	0.592	ok	0.591	0.531-0.651
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	8.67	8.63	1.005	ok	1.004	0.944-1.064

Initial Calibration Retention Time/Internal Standard Area Summary

Job Number: M67264
Account: GEI GEI Consultants, Inc.
Project: GEI Tufts Street Somerville MA

Sample Number	Lab File ID	Injected	By	Level	Inst ID	Method	
MSQ229-IC229	Q4308.D	08/16/07 12:06	DFT	0.5	GCMSQ	TO-15	Reporting this level
MSQ229-IC229	Q4309.D	08/16/07 12:51	DFT	0.2	GCMSQ	TO-15	
MSQ229-IC229	Q4311.D	08/16/07 14:47	DFT	20	GCMSQ	TO-15	
MSQ229-ICC229	Q4312.D	08/16/07 15:33	DFT	10	GCMSQ	TO-15	
MSQ229-IC229	Q4313.D	08/16/07 16:19	DFT	5	GCMSQ	TO-15	
MSQ229-IC229	Q4314.D	08/16/07 17:05	DFT	2	GCMSQ	TO-15	
MSQ229-IC229	Q4315.D	08/16/07 17:51	DFT	40	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	0.757	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	10.46	1.146	ok	1.146	1.086-1.206
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	9.71	8.63	1.125	ok	1.125	1.065-1.185
1,1,2,2-Tetrachloroethane	15.81	14.70	1.076	ok	1.076	1.016-1.136
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	6.45	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	0.671	0.611-0.731
Vinyl chloride	4.42	8.63	0.512	ok	0.512	0.452-0.572
Vinyl Acetate	7.79	8.63	0.903	ok	0.903	0.843-0.963
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	156689	ok	192151	115291-269011
1,4-Difluorobenzene	10.46	ok	10.46	10.13-10.79	667135	ok	856487	513892-1199082
Chlorobenzene-D5	14.70	ok	14.70	14.37-15.03	482214	ok	656324	393794-918854

Initial Calibration Retention Time/Internal Standard Area Summary

Job Number: M67264
Account: GEI GEI Consultants, Inc.
Project: GEI Tufts Street Somerville MA

Sample Number	Lab File ID	Injected	By	Level	Inst ID	Method	
MSQ229-IC229	Q4308.D	08/16/07 12:06	DFT	0.5	GCMSQ	TO-15	
MSQ229-IC229	Q4309.D	08/16/07 12:51	DFT	0.2	GCMSQ	TO-15	Reporting this level
MSQ229-IC229	Q4311.D	08/16/07 14:47	DFT	20	GCMSQ	TO-15	
MSQ229-ICC229	Q4312.D	08/16/07 15:33	DFT	10	GCMSQ	TO-15	
MSQ229-IC229	Q4313.D	08/16/07 16:19	DFT	5	GCMSQ	TO-15	
MSQ229-IC229	Q4314.D	08/16/07 17:05	DFT	2	GCMSQ	TO-15	
MSQ229-IC229	Q4315.D	08/16/07 17:51	DFT	40	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	1.061	1.001-1.121
Bromoform	15.42	14.70	1.049	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	6.85	8.63	0.794	ok	0.795	0.735-0.855
Chlorobenzene	14.74	14.70	1.003	ok	1.003	0.943-1.063
Chloroethane	5.00	8.63	0.579	ok	0.580	0.520-0.640
Chloroform	8.75	8.63	1.014	ok	1.014	0.954-1.074
Chloromethane	4.20	8.63	0.487	ok	0.487	0.427-0.547
3-Chloropropene	6.66	8.63	0.772	ok	0.771	0.711-0.831
2-Chlorotoluene	17.02	14.70	1.158	ok	1.158	1.098-1.218
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	9.45	8.63	1.095	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	13.35	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	8.46	8.63	0.980	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	18.39	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	12.47	10.46	1.192	ok	1.191	1.131-1.251
Ethanol	5.12	8.63	0.593	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	17.20	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	8.67	8.63	1.005	ok	1.004	0.944-1.064
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

Initial Calibration Retention Time/Internal Standard Area Summary

Job Number: M67264
Account: GEI GEI Consultants, Inc.
Project: GEI Tufts Street Somerville MA

Sample Number	Lab File ID	Injected	By	Level	Inst ID	Method	
MSQ229-IC229	Q4308.D	08/16/07 12:06	DFT	0.5	GCMSQ	TO-15	
MSQ229-IC229	Q4309.D	08/16/07 12:51	DFT	0.2	GCMSQ	TO-15	Reporting this level
MSQ229-IC229	Q4311.D	08/16/07 14:47	DFT	20	GCMSQ	TO-15	
MSQ229-ICC229	Q4312.D	08/16/07 15:33	DFT	10	GCMSQ	TO-15	
MSQ229-IC229	Q4313.D	08/16/07 16:19	DFT	5	GCMSQ	TO-15	
MSQ229-IC229	Q4314.D	08/16/07 17:05	DFT	2	GCMSQ	TO-15	
MSQ229-IC229	Q4315.D	08/16/07 17:51	DFT	40	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	6.53	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	10.46	1.146	ok	1.146	1.086-1.206
Methyl Tert Butyl Ether	7.72	8.63	0.895	ok	0.894	0.834-0.954
Nonane	16.03	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	1.125	1.065-1.185
1,1,2,2-Tetrachloroethane	15.81	14.70	1.076	ok	1.076	1.016-1.136
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	11.16	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	1.235	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	0.671	0.611-0.731
Vinyl chloride	4.42	8.63	0.512	ok	0.512	0.452-0.572
Vinyl Acetate	7.79	8.63	0.903	ok	0.903	0.843-0.963
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	200854	ok	192151	115291-269011
1,4-Difluorobenzene	10.46	ok	10.46	10.13-10.79	849031	ok	856487	513892-1199082
Chlorobenzene-D5	14.70	ok	14.70	14.37-15.03	641616	ok	656324	393794-918854

Initial Calibration Retention Time/Internal Standard Area Summary

Job Number: M67264
Account: GEI GEI Consultants, Inc.
Project: GEI Tufts Street Somerville MA

Sample Number	Lab File ID	Injected	By	Level	Inst ID	Method	
MSQ229-IC229	Q4308.D	08/16/07 12:06	DFT	0.5	GCMSQ	TO-15	
MSQ229-IC229	Q4309.D	08/16/07 12:51	DFT	0.2	GCMSQ	TO-15	
MSQ229-IC229	Q4311.D	08/16/07 14:47	DFT	20	GCMSQ	TO-15	Reporting this level
MSQ229-ICC229	Q4312.D	08/16/07 15:33	DFT	10	GCMSQ	TO-15	
MSQ229-IC229	Q4313.D	08/16/07 16:19	DFT	5	GCMSQ	TO-15	
MSQ229-IC229	Q4314.D	08/16/07 17:05	DFT	2	GCMSQ	TO-15	
MSQ229-IC229	Q4315.D	08/16/07 17:51	DFT	40	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	6.86	8.63	0.795	ok	0.795	0.735-0.855
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	1.158	1.098-1.218
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
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	17.20	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: M67264
Account: GEI GEI Consultants, Inc.
Project: GEI Tufts Street Somerville MA

Sample Number	Lab File ID	Injected	By	Level	Inst ID	Method	
MSQ229-IC229	Q4308.D	08/16/07 12:06	DFT	0.5	GCMSQ	TO-15	
MSQ229-IC229	Q4309.D	08/16/07 12:51	DFT	0.2	GCMSQ	TO-15	
MSQ229-IC229	Q4311.D	08/16/07 14:47	DFT	20	GCMSQ	TO-15	Reporting this level
MSQ229-ICC229	Q4312.D	08/16/07 15:33	DFT	10	GCMSQ	TO-15	
MSQ229-IC229	Q4313.D	08/16/07 16:19	DFT	5	GCMSQ	TO-15	
MSQ229-IC229	Q4314.D	08/16/07 17:05	DFT	2	GCMSQ	TO-15	
MSQ229-IC229	Q4315.D	08/16/07 17:51	DFT	40	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	6.53	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	10.46	1.145	ok	1.146	1.086-1.206
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	9.71	8.63	1.125	ok	1.125	1.065-1.185
1,1,2,2-Tetrachloroethane	15.81	14.70	1.076	ok	1.076	1.016-1.136
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	6.42	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	9.14	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	0.671	0.611-0.731
Vinyl chloride	4.42	8.63	0.512	ok	0.512	0.452-0.572
Vinyl Acetate	7.79	8.63	0.903	ok	0.903	0.843-0.963
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	187177	ok	192151	115291-269011
1,4-Difluorobenzene	10.46	ok	10.46	10.13-10.79	815670	ok	856487	513892-1199082
Chlorobenzene-D5	14.70	ok	14.70	14.37-15.03	670424	ok	656324	393794-918854

Initial Calibration Retention Time/Internal Standard Area Summary

Job Number: M67264
Account: GEI GEI Consultants, Inc.
Project: GEI Tufts Street Somerville MA

Sample Number	Lab File ID	Injected	By	Level	Inst ID	Method	
MSQ229-IC229	Q4308.D	08/16/07 12:06	DFT	0.5	GCMSQ	TO-15	
MSQ229-IC229	Q4309.D	08/16/07 12:51	DFT	0.2	GCMSQ	TO-15	
MSQ229-IC229	Q4311.D	08/16/07 14:47	DFT	20	GCMSQ	TO-15	
MSQ229-ICC229	Q4312.D	08/16/07 15:33	DFT	10	GCMSQ	TO-15	Reporting this level
MSQ229-IC229	Q4313.D	08/16/07 16:19	DFT	5	GCMSQ	TO-15	
MSQ229-IC229	Q4314.D	08/16/07 17:05	DFT	2	GCMSQ	TO-15	
MSQ229-IC229	Q4315.D	08/16/07 17:51	DFT	40	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	1.061	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	0.795	0.735-0.855
Chlorobenzene	14.75	14.70	1.003	ok	1.003	0.943-1.063
Chloroethane	5.01	8.63	0.581	ok	0.580	0.520-0.640
Chloroform	8.75	8.63	1.014	ok	1.014	0.954-1.074
Chloromethane	4.20	8.63	0.487	ok	0.487	0.427-0.547
3-Chloropropene	6.65	8.63	0.771	ok	0.771	0.711-0.831
2-Chlorotoluene	17.01	14.70	1.157	ok	1.158	1.098-1.218
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	4.04	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	17.93	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	8.66	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: M67264
Account: GEI GEI Consultants, Inc.
Project: GEI Tufts Street Somerville MA

Sample Number	Lab File ID	Injected	By	Level	Inst ID	Method	
MSQ229-IC229	Q4308.D	08/16/07 12:06	DFT	0.5	GCMSQ	TO-15	
MSQ229-IC229	Q4309.D	08/16/07 12:51	DFT	0.2	GCMSQ	TO-15	
MSQ229-IC229	Q4311.D	08/16/07 14:47	DFT	20	GCMSQ	TO-15	
MSQ229-ICC229	Q4312.D	08/16/07 15:33	DFT	10	GCMSQ	TO-15	Reporting this level
MSQ229-IC229	Q4313.D	08/16/07 16:19	DFT	5	GCMSQ	TO-15	
MSQ229-IC229	Q4314.D	08/16/07 17:05	DFT	2	GCMSQ	TO-15	
MSQ229-IC229	Q4315.D	08/16/07 17:51	DFT	40	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	0.757	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	1.146	1.086-1.206
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	9.70	8.63	1.124	ok	1.125	1.065-1.185
1,1,2,2-Tetrachloroethane	15.81	14.70	1.076	ok	1.076	1.016-1.136
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	6.42	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	9.14	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	0.671	0.611-0.731
Vinyl chloride	4.42	8.63	0.512	ok	0.512	0.452-0.572
Vinyl Acetate	7.79	8.63	0.903	ok	0.903	0.843-0.963
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	195833	ok	192151	115291-269011
1,4-Difluorobenzene	10.46	ok	10.46	10.13-10.79	944946	ok	856487	513892-1199082
Chlorobenzene-D5	14.70	ok	14.70	14.37-15.03	734209	ok	656324	393794-918854

Initial Calibration Retention Time/Internal Standard Area Summary

Job Number: M67264
Account: GEI GEI Consultants, Inc.
Project: GEI Tufts Street Somerville MA

Sample Number	Lab File ID	Injected	By	Level	Inst ID	Method	
MSQ229-IC229	Q4308.D	08/16/07 12:06	DFT	0.5	GCMSQ	TO-15	
MSQ229-IC229	Q4309.D	08/16/07 12:51	DFT	0.2	GCMSQ	TO-15	
MSQ229-IC229	Q4311.D	08/16/07 14:47	DFT	20	GCMSQ	TO-15	
MSQ229-ICC229	Q4312.D	08/16/07 15:33	DFT	10	GCMSQ	TO-15	
MSQ229-IC229	Q4313.D	08/16/07 16:19	DFT	5	GCMSQ	TO-15	Reporting this level
MSQ229-IC229	Q4314.D	08/16/07 17:05	DFT	2	GCMSQ	TO-15	
MSQ229-IC229	Q4315.D	08/16/07 17:51	DFT	40	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	1.061	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	0.795	0.735-0.855
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	1.158	1.098-1.218
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	11.14	10.46	1.065	ok	1.065	1.005-1.125
Dichlorodifluoromethane	4.03	8.63	0.467	ok	0.468	0.408-0.528
Dibromochloromethane	13.35	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	5.09	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	17.20	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	11.40	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: M67264
Account: GEI GEI Consultants, Inc.
Project: GEI Tufts Street Somerville MA

Sample Number	Lab File ID	Injected	By	Level	Inst ID	Method	
MSQ229-IC229	Q4308.D	08/16/07 12:06	DFT	0.5	GCMSQ	TO-15	
MSQ229-IC229	Q4309.D	08/16/07 12:51	DFT	0.2	GCMSQ	TO-15	
MSQ229-IC229	Q4311.D	08/16/07 14:47	DFT	20	GCMSQ	TO-15	
MSQ229-ICC229	Q4312.D	08/16/07 15:33	DFT	10	GCMSQ	TO-15	
MSQ229-IC229	Q4313.D	08/16/07 16:19	DFT	5	GCMSQ	TO-15	Reporting this level
MSQ229-IC229	Q4314.D	08/16/07 17:05	DFT	2	GCMSQ	TO-15	
MSQ229-IC229	Q4315.D	08/16/07 17:51	DFT	40	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	6.53	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	10.46	1.145	ok	1.146	1.086-1.206
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	9.70	8.63	1.124	ok	1.125	1.065-1.185
1,1,2,2-Tetrachloroethane	15.81	14.70	1.076	ok	1.076	1.016-1.136
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	17.75	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	5.79	8.63	0.671	ok	0.671	0.611-0.731
Vinyl chloride	4.42	8.63	0.512	ok	0.512	0.452-0.572
Vinyl Acetate	7.79	8.63	0.903	ok	0.903	0.843-0.963
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	188473	ok	192151	115291-269011
1,4-Difluorobenzene	10.46	ok	10.46	10.13-10.79	907932	ok	856487	513892-1199082
Chlorobenzene-D5	14.70	ok	14.70	14.37-15.03	690321	ok	656324	393794-918854

Initial Calibration Retention Time/Internal Standard Area Summary

Job Number: M67264
Account: GEI GEI Consultants, Inc.
Project: GEI Tufts Street Somerville MA

Sample Number	Lab File ID	Injected	By	Level	Inst ID	Method	
MSQ229-IC229	Q4308.D	08/16/07 12:06	DFT	0.5	GCMSQ	TO-15	
MSQ229-IC229	Q4309.D	08/16/07 12:51	DFT	0.2	GCMSQ	TO-15	
MSQ229-IC229	Q4311.D	08/16/07 14:47	DFT	20	GCMSQ	TO-15	
MSQ229-ICC229	Q4312.D	08/16/07 15:33	DFT	10	GCMSQ	TO-15	
MSQ229-IC229	Q4313.D	08/16/07 16:19	DFT	5	GCMSQ	TO-15	
MSQ229-IC229	Q4314.D	08/16/07 17:05	DFT	2	GCMSQ	TO-15	Reporting this level
MSQ229-IC229	Q4315.D	08/16/07 17:51	DFT	40	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	15.42	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	1.218	1.158-1.278
Carbon disulfide	6.86	8.63	0.795	ok	0.795	0.735-0.855
Chlorobenzene	14.75	14.70	1.003	ok	1.003	0.943-1.063
Chloroethane	5.00	8.63	0.579	ok	0.580	0.520-0.640
Chloroform	8.75	8.63	1.014	ok	1.014	0.954-1.074
Chloromethane	4.20	8.63	0.487	ok	0.487	0.427-0.547
3-Chloropropene	6.65	8.63	0.771	ok	0.771	0.711-0.831
2-Chlorotoluene	17.02	14.70	1.158	ok	1.158	1.098-1.218
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
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	13.35	14.70	0.908	ok	0.908	0.848-0.968
trans-1,2-Dichloroethylene	7.47	8.63	0.866	ok	0.865	0.805-0.925
cis-1,2-Dichloroethylene	8.46	8.63	0.980	ok	0.981	0.921-1.041
cis-1,3-Dichloropropene	11.96	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	5.11	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	8.67	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	0.787	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	8.67	8.63	1.005	ok	1.004	0.944-1.064

Initial Calibration Retention Time/Internal Standard Area Summary

Job Number: M67264
Account: GEI GEI Consultants, Inc.
Project: GEI Tufts Street Somerville MA

Sample Number	Lab File ID	Injected	By	Level	Inst ID	Method	
MSQ229-IC229	Q4308.D	08/16/07 12:06	DFT	0.5	GCMSQ	TO-15	
MSQ229-IC229	Q4309.D	08/16/07 12:51	DFT	0.2	GCMSQ	TO-15	
MSQ229-IC229	Q4311.D	08/16/07 14:47	DFT	20	GCMSQ	TO-15	
MSQ229-ICC229	Q4312.D	08/16/07 15:33	DFT	10	GCMSQ	TO-15	
MSQ229-IC229	Q4313.D	08/16/07 16:19	DFT	5	GCMSQ	TO-15	
MSQ229-IC229	Q4314.D	08/16/07 17:05	DFT	2	GCMSQ	TO-15	Reporting this level
MSQ229-IC229	Q4315.D	08/16/07 17:51	DFT	40	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	0.757	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	1.146	1.086-1.206
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	9.71	8.63	1.125	ok	1.125	1.065-1.185
1,1,2,2-Tetrachloroethane	15.81	14.70	1.076	ok	1.076	1.016-1.136
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	17.76	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	6.44	8.63	0.746	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	5.79	8.63	0.671	ok	0.671	0.611-0.731
Vinyl chloride	4.42	8.63	0.512	ok	0.512	0.452-0.572
Vinyl Acetate	7.79	8.63	0.903	ok	0.903	0.843-0.963
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	164528	ok	192151	115291-269011
1,4-Difluorobenzene	10.46	ok	10.46	10.13-10.79	785678	ok	856487	513892-1199082
Chlorobenzene-D5	14.70	ok	14.70	14.37-15.03	577249	ok	656324	393794-918854

Initial Calibration Retention Time/Internal Standard Area Summary

Job Number: M67264
Account: GEI GEI Consultants, Inc.
Project: GEI Tufts Street Somerville MA

Sample Number	Lab File ID	Injected	By	Level	Inst ID	Method	
MSQ229-IC229	Q4308.D	08/16/07 12:06	DFT	0.5	GCMSQ	TO-15	
MSQ229-IC229	Q4309.D	08/16/07 12:51	DFT	0.2	GCMSQ	TO-15	
MSQ229-IC229	Q4311.D	08/16/07 14:47	DFT	20	GCMSQ	TO-15	
MSQ229-ICC229	Q4312.D	08/16/07 15:33	DFT	10	GCMSQ	TO-15	
MSQ229-IC229	Q4313.D	08/16/07 16:19	DFT	5	GCMSQ	TO-15	
MSQ229-IC229	Q4314.D	08/16/07 17:05	DFT	2	GCMSQ	TO-15	
MSQ229-IC229	Q4315.D	08/16/07 17:51	DFT	40	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	11.11	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	6.86	8.63	0.795	ok	0.795	0.735-0.855
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	1.158	1.098-1.218
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	4.03	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	1.143	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	0.787	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	8.67	8.63	1.005	ok	1.004	0.944-1.064

Initial Calibration Retention Time/Internal Standard Area Summary

Job Number: M67264
Account: GEI GEI Consultants, Inc.
Project: GEI Tufts Street Somerville MA

Sample Number	Lab File ID	Injected	By	Level	Inst ID	Method	
MSQ229-IC229	Q4308.D	08/16/07 12:06	DFT	0.5	GCMSQ	TO-15	
MSQ229-IC229	Q4309.D	08/16/07 12:51	DFT	0.2	GCMSQ	TO-15	
MSQ229-IC229	Q4311.D	08/16/07 14:47	DFT	20	GCMSQ	TO-15	
MSQ229-ICC229	Q4312.D	08/16/07 15:33	DFT	10	GCMSQ	TO-15	
MSQ229-IC229	Q4313.D	08/16/07 16:19	DFT	5	GCMSQ	TO-15	
MSQ229-IC229	Q4314.D	08/16/07 17:05	DFT	2	GCMSQ	TO-15	
MSQ229-IC229	Q4315.D	08/16/07 17:51	DFT	40	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	16.47	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	0.757	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	1.146	1.086-1.206
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	1.125	1.065-1.185
1,1,2,2-Tetrachloroethane	15.81	14.70	1.076	ok	1.076	1.016-1.136
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	17.76	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	14.06	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	5.79	8.63	0.671	ok	0.671	0.611-0.731
Vinyl chloride	4.42	8.63	0.512	ok	0.512	0.452-0.572
Vinyl Acetate	7.79	8.63	0.903	ok	0.903	0.843-0.963
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	251500	ok	192151	115291-269011
1,4-Difluorobenzene	10.46	ok	10.46	10.13-10.79	1025015	ok	856487	513892-1199082
Chlorobenzene-D5	14.70	ok	14.70	14.37-15.03	798235	ok	656324	393794-918854

Initial Calibration Retention Time/Internal Standard Area Summary

Job Number: M67264
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: M67264
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: M67264
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: M67264
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: M67264
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: M67264
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: M67264
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: M67264
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: M67264
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: M67264
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: M67264
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: M67264
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: M67264
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: M67264
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: M67264
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: M67264
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: M67264
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: M67264
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: M67264
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: M67264
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: M67264
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: M67264
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: M67264
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: M67264
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: M67264
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Project: GEI Tufts Street Somerville MA

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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: M67264
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: M67264
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: M67264
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

Volatile Surrogate Recovery Summary

Job Number: M67264
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
M67264-1	Q4410.D	92.0
M67264-2	Q4412.D	94.0
M67264-1DUP	Q4411.D	94.0
MSQ229-SCC	Q4318A.D	79.0
MSQ230-SCC	Q4351.D	66.0
MSQ232-BS	Q4404B.D	104.0
MSQ232-MB	Q4406.D	81.0
MSQ229-BS	Q4317B.D	121.0
MSQ229-MB	Q4318.D	79.0
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: M67264
Account: GEI GEI Consultants, Inc.
Project: GEI Tufts Street Somerville MA

Sample: MSQ229-ICC229
Lab FileID: Q4312.D

Response Factor Report MAMSQ

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Method       : C:\msdchem\1\METHODS\Q081607T.m (RTE Integrator)
Title        :  TO15  by GCMS w/DB-1 60 m X .25 mm ID 1.0 um
Last Update  : Thu Aug 16 18:21:28 2007
Response via : Initial Calibration

Calibration Files
.2     =Q4309.D      .5     =Q4308.D      2      =Q4314.D
5    =Q4313.D     10   =Q4312.D     20   =Q4311.D     40   =Q4315.D

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

1) I   BROMOCHLOROMETHANE    ----------------ISTD---------------------
2)m DICHLORODIFLUOROM 6.080 8.120 7.033 7.008 5.870 3.992 5.333 6.205  21.60
3)m PROPYLENE         0.758 1.470 1.149 1.406 1.246 1.002 1.194 1.175  20.56
4)m FREON 114         5.190 6.935 5.933 6.010 5.205 4.113 5.200 5.512  16.07
5)m CHLOROMETHANE     1.714 2.196 1.856 1.934 1.669 1.352 1.603 1.760  15.22
6)m VINYL CHLORIDE    1.375 2.105 1.916 1.993 1.778 1.452 1.698 1.760  15.47
7)m 1,3-BUTADIENE     1.647 2.088 1.743 1.896 1.705 1.311 1.765 1.736  13.70
8)m BROMOMETHANE      1.405 2.092 1.901 1.772 1.565 1.260 1.528 1.646  17.67
9)m CHLOROETHANE      0.572 0.963 0.790 0.749 0.750 0.629 0.783 0.748  16.77
10)m TRICHLOROFLUOROME 5.454 7.766 7.079 6.413 5.698 3.615 4.983 5.858  23.56
11)m ISOPROPYL ALCOHOL 2.477 3.396 3.432 2.776 2.700 2.331 2.848 2.852  14.83
12)m ACETONE          4.087 4.851 4.016 2.929 2.766 2.128 2.969 3.392  27.92
13)m PENTANE          2.313 3.236 2.669 2.510 2.276 1.534 2.109 2.378  21.96
14)m 1,1-DICHLOROETHYL 1.374 2.041 1.897 1.840 1.686 1.289 1.586 1.673  16.51
15)m CARBON DISULFIDE  5.265 7.417 7.384 6.707 6.125 4.326 5.264 6.070  19.37
16)m ETHANOL          0.718 0.829 0.672 0.504 0.458 0.393 0.483 0.580  27.71
17)m BROMOETHENE      1.084 1.846 1.628 1.546 1.448 1.150 1.408 1.444  18.40
18)m METHYLENE CHLORID 3.618 5.637 2.359 1.864 1.703 1.312 1.603 2.585  59.75
         ----- Quadratic regression -----  Coefficient =  0.9940
              Response Ratio = 0.23378 + 1.10147 *A + 0.10811 *A^2

19)m 3-CHLOROPROPENE   1.489 2.186 2.050 1.860 1.947 1.464 2.058 1.865  15.22
20)m FREON 113         2.967 4.076 3.308 2.890 2.631 1.981 2.446 2.900  23.04
21)m TRANS-1,2-DICHLOR 1.228 2.091 1.805 1.680 1.611 1.213 1.483 1.587  19.75
22)m TERTIARY BUTYL AL 1.902 3.011 3.796 3.158 3.152 2.604 3.103 2.961  19.71
23)m METHYL TERTIARY B 1.908 3.426 3.870 3.117 3.307 2.852 3.707 3.169  20.60
24)m TETRAHYDROFURAN   0.275 0.907 1.113 1.164 1.354 0.992 1.608 1.059  39.41
         ----- Quadratic regression -----  Coefficient =  0.9909
              Response Ratio = 0.10356 + 0.63442 *A + 0.23341 *A^2

25)m HEXANE            1.734 5.290 2.405 2.978 2.513 1.740       2.777  47.58
         ----- Quadratic regression -----  Coefficient =  0.9965
              Response Ratio = -0.00882 + 3.28826 *A + -0.77109 *A^2

26)m VINYL ACETATE     1.991 3.710 3.206 2.644 2.953 2.369 3.596 2.924  21.66
27)m 1,1-DICHLOROETHAN 2.897 4.731 4.487 3.759 3.766 2.857 3.788 3.755  18.93
28)m METHYL ETHYL KETO 1.481 2.614 2.872 2.599 2.852 2.078 3.152 2.521  22.46
29)m cis-1,2-DICHLOROE 0.540 1.138 1.096 1.142 1.258 1.044 1.469 1.098  25.80
30)m ETHYL ACETATE     3.335 7.664 5.928 5.754 5.478 3.776 5.793 5.390  26.88
31)m CHLOROFORM        3.231 5.231 4.854 4.149 4.076 3.021 4.118 4.097  19.34
32)m 1,1,1-TRICHLOROET 3.050 5.142 4.585 4.022 3.993 2.979 4.023 3.971  19.47
33)m CARBON TETRACHLOR 3.703 6.076 5.338 4.764 4.481 3.230 4.045 4.520  21.59
34)m 1,2-DICHLOROETHAN 1.601 3.025 2.973 2.495 2.590 1.932 2.835 2.493  21.67

35) I   1,4-DIFLUOROBENZENE   ----------------ISTD---------------------
36)m BENZENE           0.361 0.781 0.778 0.745 0.826 0.711 1.181 0.769  31.12
```

Initial Calibration Summary

Job Number: M67264
Account: GEI GEI Consultants, Inc.
Project: GEI Tufts Street Somerville MA

Sample: MSQ229-ICC229
Lab FileID: Q4312.D

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          ----- Quadratic regression -----  Coefficient =  0.9954
               Response Ratio = 0.07135 + 0.36581 *A + 0.19755 *A^2

37)m CYCLOHEXANE       0.095 0.273 0.289 0.373 0.371 0.293 0.440 0.305  36.11
          ----- Quadratic regression -----  Coefficient =  0.9931
               Response Ratio = 0.02593 + 0.20611 *A + 0.05613 *A^2

38)m TRICHLOROETHYLENE 0.220 0.449 0.477 0.453 0.464 0.391 0.570 0.432  24.88
39)m 1,2-DICHLOROPROPA 0.163 0.332 0.339 0.281 0.303 0.252 0.433 0.300  27.77
40)m BROMODICHLOROMETH 0.566 1.009 0.887 0.732 0.803 0.677 1.019 0.813  20.85
41)m 2,2,4-TRIMETHYLPE 0.579 1.363 1.580 1.548 1.661 1.355 2.187 1.468  32.76
          ----- Quadratic regression -----  Coefficient =  0.9941
               Response Ratio = 0.14116 + 0.78851 *A + 0.33690 *A^2

42)m 1,4-DIOXANE             0.092 0.122 0.121 0.137 0.126 0.193 0.132  25.47
43)m HEPTANE           0.235 0.462 0.514 0.559 0.645 0.522 0.850 0.541  34.38
          ----- Quadratic regression -----  Coefficient =  0.9941
               Response Ratio = 0.04635 + 0.30381 *A + 0.13225 *A^2

44)m METHYL ISOBUTYL K 0.225 0.427 0.656 0.630 0.724 0.604 0.979 0.606  38.91
          ----- Quadratic regression -----  Coefficient =  0.9948
               Response Ratio = 0.05282 + 0.34400 *A + 0.15394 *A^2

45)m cis-1,3-DICHLOROP 0.132 0.266 0.294 0.297 0.362 0.331 0.563 0.321  40.34
          ----- Quadratic regression -----  Coefficient =  0.9966
               Response Ratio = 0.02517 + 0.15360 *A + 0.10009 *A^2

46)m TOLUENE           0.442 0.609 0.391 0.393 0.473 0.430 0.746 0.498  26.50
47)m trans-1,3-DICHLOR 0.078 0.191 0.193 0.185 0.238 0.234 0.412 0.219  45.80
          ----- Quadratic regression -----  Coefficient =  0.9975
               Response Ratio = 0.01654 + 0.09007 *A + 0.07897 *A^2

48)m 1,1,2-TRICHLOROET 0.186 0.335 0.325 0.262 0.279 0.233 0.391 0.287  23.88

49) I   CHLOROBENZENE-D5      ----------------ISTD---------------------
50)m 2-HEXANONE        0.140 0.365 0.496 0.510 0.622 0.542 0.947 0.517  47.51
          ----- Quadratic regression -----  Coefficient =  0.9954
               Response Ratio = 0.04620 + 0.24401 *A + 0.17133 *A^2

51)m TETRACHLOROETHYLE 0.245 0.498 0.427 0.387 0.427 0.393 0.587 0.424  24.83
52)m DIBROMOCHLOROMETH 0.472 0.864 0.847 0.665 0.710 0.592 0.965 0.731  23.49
53)m 1,2-DIBROMOETHANE 0.226 0.510 0.509 0.421 0.445 0.387 0.643 0.449  28.63
54)m CHLOROBENZENE     0.456 0.837 0.852 0.676 0.692 0.595 0.975 0.726  24.10
55)m ETHYLBENZENE      0.374 0.669 0.996 1.049 1.267 1.129 2.011 1.071  47.90
          ----- Quadratic regression -----  Coefficient =  0.9957
               Response Ratio = 0.09703 + 0.46713 *A + 0.37677 *A^2

56)m m,p-XYLENE        0.037 0.235 0.426 0.404 0.451 0.409 0.660 0.375  51.79
          ----- Quadratic regression -----  Coefficient =  0.9965
               Response Ratio = 0.06069 + 0.22161 *A + 0.05344 *A^2

57)m o-XYLENE          0.070 0.237 0.408 0.410 0.454 0.429 0.637 0.378  47.32
          ----- Quadratic regression -----  Coefficient =  0.9978
               Response Ratio = 0.02057 + 0.27323 *A + 0.08885 *A^2

58)m STYRENE           0.066 0.157 0.238 0.273 0.395 0.428 0.682 0.320  63.66
          ----- Quadratic regression -----  Coefficient =  0.9990
               Response Ratio = 0.00498 + 0.21380 *A + 0.11635 *A^2

59)m NONANE            0.218 0.527 0.966 0.904 0.985 0.846 1.378 0.832  44.28
```

Initial Calibration Summary

Job Number: M67264
Account: GEI GEI Consultants, Inc.
Project: GEI Tufts Street Somerville MA

Sample: MSQ229-ICC229
Lab FileID: Q4312.D

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          ----- Quadratic regression -----  Coefficient =  0.9952
               Response Ratio = 0.07682 + 0.46624 *A + 0.22099 *A^2

60)m BROMOFORM         0.344 0.611 0.633 0.506 0.538 0.476 0.781 0.555  24.79
61)S 4-BROMOFLUOROBENZ 0.469 0.532 0.628 0.702 0.709 0.778 0.725 0.649  17.26
62)m 1,1,2,2-TETRACHLO 0.604 1.023 1.124 0.841 0.840 0.742 1.089 0.895  21.43
63)m ISOPROPYLBENZENE  0.382 0.838 1.269 1.199 1.299 1.265 1.804 1.151  38.32
          ----- Quadratic regression -----  Coefficient =  0.9984
               Response Ratio = 0.05657 + 0.84155 *A + 0.23553 *A^2

64)m 2-CHLOROTOLUENE   0.268 0.504 0.748 0.788 0.916 0.947 1.331 0.786  43.12
          ----- Quadratic regression -----  Coefficient =  0.9992
               Response Ratio = 0.01704 + 0.63111 *A + 0.17313 *A^2

65)m 4-ETHYLTOLUENE    0.189 0.383 0.792 0.848 1.005 1.075 1.433 0.818  51.51
          ----- Quadratic regression -----  Coefficient =  0.9997
               Response Ratio = -0.00266 + 0.77300 *A + 0.16454 *A^2

66)m 1,3,5-TRIMETHYLBE 0.236 0.520 0.999 0.989 1.090 1.046 1.443 0.903  44.16
          ----- Quadratic regression -----  Coefficient =  0.9985
               Response Ratio = 0.03407 + 0.74884 *A + 0.17014 *A^2

67)m 1,2,4-TRIMETHYLBE 0.138 0.362 0.631 0.719 0.864 0.966 1.239 0.703  52.71
          ----- Quadratic regression -----  Coefficient =  0.9999
               Response Ratio = -0.01727 + 0.72052 *A + 0.13057 *A^2

68)m m-DICHLOROBENZENE 0.078 0.216 0.390 0.319 0.327 0.372 0.454 0.308  40.64
          ----- Quadratic regression -----  Coefficient =  0.9999
               Response Ratio = 0.00281 + 0.28801 *A + 0.04132 *A^2

69)m BENZYL CHLORIDE         0.185 0.246 0.217 0.252 0.308 0.415 0.271  30.27
          ----- Quadratic regression -----  Coefficient =  1.0000
               Response Ratio = 0.00087 + 0.19869 *A + 0.05412 *A^2

70)m p-DICHLOROBENZENE 0.054 0.169 0.274 0.217 0.250 0.284 0.343 0.227  41.33
          ----- Quadratic regression -----  Coefficient =  0.9999
               Response Ratio = -0.00173 + 0.22317 *A + 0.03014 *A^2

71)m o-DICHLOROBENZENE 0.059 0.272 0.360 0.308 0.331 0.398 0.485 0.316  41.91
          ----- Quadratic regression -----  Coefficient =  0.9998
               Response Ratio = -0.00237 + 0.30085 *A + 0.04628 *A^2

72)m HEXACHLOROBUTADIE 0.505 0.893 0.371 0.275 0.257 0.287 0.295 0.412  55.51
          ----- Quadratic regression -----  Coefficient =  0.9990
               Response Ratio = 0.01596 + 0.25043 *A + 0.01032 *A^2

73)m 1,2,4-TRICHLOROBE       0.047 0.025 0.025 0.032 0.052 0.071 0.042  42.99
          ----- Quadratic regression -----  Coefficient =  0.9986
               Response Ratio = -0.00234 + 0.02965 *A + 0.01050 *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

          Q081607T.m        Fri Aug 17 14:30:13 2007   RPT1
```

Continuing Calibration Summary

Job Number: M67264
Account: GEI GEI Consultants, Inc.
Project: GEI Tufts Street Somerville MA

Sample: MSQ229-CC229
Lab FileID: Q4317A.D

Evaluate Continuing Calibration Report

Data File : C:\msdchem\1\DATA\Q4317a.D Vial: 3
Acq On : 17 Aug 2007 8:48 am Operator: danat
Sample : cc229-10 (M164) Inst : MAMSQ
Misc : MS14080, MSQ229,,,,,1 Multiplr: 1.00
MS Integration Params: LSCINT.P

Method : C:\msdchem\1\METHODS\Q081607T.m (RTE Integrator)
Title : TO15 by GCMS w/DB-1 60 m X .25 mm ID 1.0 um
Last Update : Thu Aug 16 18:21:28 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	91	0.00	8.42- 8.83
2	m	DICHLORODIFLUOROMETHAN	6.205	5.841	5.9	90	0.00	3.83- 4.24
3	m	PROPYLENE	1.175	1.479	-25.9	108	0.00	3.76- 4.17
4	m	FREON 114	5.512	5.527	-0.3	96	0.00	4.09- 4.50
5	m	CHLOROMETHANE	1.760	1.936	-10.0	105	0.00	3.99- 4.41
6	m	VINYL CHLORIDE	1.760	2.052	-16.6	105	0.00	4.21- 4.63
7	m	1,3-BUTADIENE	1.736	1.749	-0.7	93	0.00	4.35- 4.76
8	m	BROMOMETHANE	1.646	1.701	-3.3	99	0.00	4.62- 5.04
9	m	CHLOROETHANE	0.748	0.790	-5.6	96	0.00	4.80- 5.21
10	m	TRICHLOROFLUOROMETHANE	5.858	4.995	14.7	80	0.00	5.58- 5.99
11	m	ISOPROPYL ALCOHOL	2.852	2.772	2.8	93	0.00	5.58- 6.06
12	m	ACETONE	3.392	2.744	19.1	90	0.00	5.39- 5.80
13	m	PENTANE	2.378	2.148	9.7	86	0.00	5.99- 6.29
14	m	1,1-DICHLOROETHYLENE	1.673	1.594	4.7	86	0.00	6.22- 6.63
15	m	CARBON DISULFIDE	6.070	5.580	8.1	83	0.00	6.65- 7.06
16	m	ETHANOL	0.580	0.482	16.9	96	0.00	4.86- 5.33
17	m	BROMOETHENE	1.444	1.501	-3.9	94	0.00	5.16- 5.57
		----------	True	Calc.	% Drift		----------	
18	m	METHYLENE CHLORIDE	10.000	10.511	-5.1	81	0.00	6.39- 6.69
		----------	AvgRF	CCRF	% Dev		----------	
19	m	3-CHLOROPROPENE	1.865	1.897	-1.7	88	0.00	6.45- 6.86
20	m	FREON 113	2.900	2.364	18.5	82	0.00	6.59- 7.00
21	m	TRANS-1,2-DICHLOROETHY	1.587	1.543	2.8	87	0.00	7.26- 7.67
22	m	TERTIARY BUTYL ALCOHOL	2.961	2.976	-0.5	86	0.00	6.17- 6.68
23	m	METHYL TERTIARY BUTYL	3.169	3.209	-1.3	88	0.00	7.50- 7.91
		----------	True	Calc.	% Drift		----------	
24	m	TETRAHYDROFURAN	10.000	11.627	-16.3	78	0.00	8.99- 9.28
25	m	HEXANE	10.000	7.317	26.8	72	0.00	8.46- 8.87
		----------	AvgRF	CCRF	% Dev		----------	
26	m	VINYL ACETATE	2.924	3.115	-6.5	96	0.00	7.61- 7.96
27	m	1,1-DICHLOROETHANE	3.755	3.408	9.2	82	0.00	7.45- 7.86
28	m	METHYL ETHYL KETONE	2.521	2.556	-1.4	81	0.00	7.78- 8.27
29	m	cis-1,2-DICHLOROETHYLE	1.098	1.273	-15.9	92	0.00	8.26- 8.67
30	m	ETHYL ACETATE	5.390	4.450	17.4	74	0.00	8.45- 8.87
31	m	CHLOROFORM	4.097	3.721	9.2	83	0.00	8.54- 8.95
32	m	1,1,1-TRICHLOROETHANE	3.971	3.571	10.1	81	0.00	9.50- 9.91
33	m	CARBON TETRACHLORIDE	4.520	3.833	15.2	78	0.00	10.08-10.49
34	m	1,2-DICHLOROETHANE	2.493	2.483	0.4	87	0.00	9.25- 9.66

Continuing Calibration Summary

Job Number: M67264
Account: GEI GEI Consultants, Inc.
Project: GEI Tufts Street Somerville MA

Sample: MSQ229-CC229
Lab FileID: Q4317A.D

35	I	1,4-DIFLUOROBENZENE	1.000	1.000	0.0	74	0.00	10.25-10.66
		----------	True	Calc.	% Drift			----------
36	m	BENZENE	10.000	13.503	-35.0#	83	0.00	9.94-10.35
37	m	CYCLOHEXANE	10.000	12.754	-27.5	76	0.00	10.20-10.61
		----------	AvgRF	CCRF	% Dev			----------
38	m	TRICHLOROETHYLENE	0.432	0.529	-22.5	85	0.00	10.98-11.29
39	m	1,2-DICHLOROPROPANE	0.300	0.333	-11.0	82	0.00	10.71-11.12
40	m	BROMODICHLOROMETHANE	0.813	0.863	-6.2	80	0.00	10.95-11.26
		----------	True	Calc.	% Drift			----------
41	m	2,2,4-TRIMETHYLPENTANE	10.000	13.175	-31.8#	79	0.00	10.96-11.37
		----------	AvgRF	CCRF	% Dev			----------
42	m	1,4-DIOXANE	0.132	0.154	-16.7	84	0.00	10.86-11.39
		----------	True	Calc.	% Drift			----------
43	m	HEPTANE	10.000	12.596	-26.0	74	0.00	11.25-11.56
44	m	METHYL ISOBUTYL KETONE	10.000	12.846	-28.5	77	0.00	11.76-12.19
45	m	cis-1,3-DICHLOROPROPEN	10.000	15.554	-55.5#	104	0.00	11.75-12.16
		----------	AvgRF	CCRF	% Dev			----------
46	m	TOLUENE	0.498	0.566	-13.7	89	0.00	12.71-13.13
		----------	True	Calc.	% Drift			----------
47	m	trans-1,3-DICHLOROPROP	10.000	16.762	-67.6#	121	0.00	12.30-12.61
		----------	AvgRF	CCRF	% Dev			----------
48	m	1,1,2-TRICHLOROETHANE	0.287	0.328	-14.3	87	0.00	12.46-12.82
49	I	CHLOROBENZENE-D5	1.000	1.000	0.0	76	0.00	14.54-14.85
		----------	True	Calc.	% Drift			----------
50	m	2-HEXANONE	10.000	14.179	-41.8#	90	0.00	12.94-13.34
		----------	AvgRF	CCRF	% Dev			----------
51	m	TETRACHLOROETHYLENE	0.424	0.512	-20.8	92	0.00	13.85-14.26
52	m	DIBROMOCHLOROMETHANE	0.731	0.803	-9.8	86	0.00	13.16-13.52
53	m	1,2-DIBROMOETHANE	0.449	0.634	-41.2#	109	0.00	13.44-13.75
54	m	CHLOROBENZENE	0.726	0.962	-32.5#	106	0.00	14.59-14.90
		----------	True	Calc.	% Drift			----------
55	m	ETHYLBENZENE	10.000	14.256	-42.6#	92	0.00	14.94-15.30
56	m	m,p-XYLENE	20.000	27.967	-39.8#	93	0.00	15.14-15.50
57	m	o-XYLENE	10.000	14.231	-42.3#	99	0.00	15.64-16.00
58	m	STYRENE	10.000	18.762	-87.6#	158	0.00	15.54-15.85
59	m	NONANE	10.000	13.643	-36.4#	87	0.00	15.86-16.17
		----------	AvgRF	CCRF	% Dev			----------
60	m	BROMOFORM	0.555	0.676	-21.8	96	0.00	15.26-15.57
61	S	4-BROMOFLUOROBENZENE	0.649	0.784	-20.8	85	0.00	16.16-16.47
62	m	1,1,2,2-TETRACHLOROETH	0.895	1.039	-16.1	94	0.00	15.65-15.96
		----------	True	Calc.	% Drift			----------
63	m	ISOPROPYLBENZENE	10.000	14.287	-42.9#	102	0.00	16.31-16.62
64	m	2-CHLOROTOLUENE	10.000	15.345	-53.5#	116	0.00	16.81-17.22
65	m	4-ETHYLTOLUENE	10.000	14.822	-48.2#	114	0.00	17.07-17.34
66	m	1,3,5-TRIMETHYLBENZENE	10.000	14.646	-46.5#	105	0.00	17.16-17.42

Continuing Calibration Summary

Job Number: M67264
Account: GEI GEI Consultants, Inc.
Project: GEI Tufts Street Somerville MA

Sample: MSQ229-CC229
Lab FileID: Q4317A.D

67	m	1,2,4-TRIMETHYLBENZENE	10.000	15.395	-53.9#	124	0.00	17.60-17.91
68	m	m-DICHLOROBENZENE	10.000	22.474	-124.7#	201	0.00	17.77-18.10
69	m	BENZYL CHLORIDE	10.000	25.699	-157.0#	263	0.00	17.76-18.07
70	m	p-DICHLOROBENZENE	10.000	26.834	-168.3#	249	0.00	17.89-18.13
71	m	o-DICHLOROBENZENE	10.000	19.799	-98.0#	179	0.00	18.24-18.55
72	m	HEXACHLOROBUTADIENE	10.000	14.783	-47.8#	121	0.00	20.59-21.00
73	m	1,2,4-TRICHLOROBENZENE	10.000	37.353	-273.5#	614	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
Q4312.D Q081607T.m Fri Aug 17 14:38:28 2007 RPT1

Initial Calibration Verification

Job Number: M67264
Account: GEI GEI Consultants, Inc.
Project: GEI Tufts Street Somerville MA

Sample: MSQ229-ICV229
Lab FileID: Q4317.D

Evaluate Continuing Calibration Report

Data File : C:\msdchem\1\DATA\Q4317.D Vial: 3
Acq On : 17 Aug 2007 8:48 am Operator: danat
Sample : icv229-10 (M164) Inst : MAMSQ
Misc : MS14080, MSQ229,,,,,1 Multiplr: 1.00
MS Integration Params: LSCINT.P

Method : C:\msdchem\1\METHODS\Q081607T.m (RTE Integrator)
Title : TO15 by GCMS w/DB-1 60 m X .25 mm ID 1.0 um
Last Update : Thu Aug 16 18:21:28 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	91	0.00	8.42- 8.83
2	m	DICHLORODIFLUOROMETHAN	6.205	5.841	5.9	90	0.00	3.83- 4.24
3	m	PROPYLENE	1.175	1.479	-25.9	108	0.00	3.76- 4.17
4	m	FREON 114	5.512	5.527	-0.3	96	0.00	4.09- 4.50
5	m	CHLOROMETHANE	1.760	1.936	-10.0	105	0.00	3.99- 4.41
6	m	VINYL CHLORIDE	1.760	2.052	-16.6	105	0.00	4.21- 4.63
7	m	1,3-BUTADIENE	1.736	1.749	-0.7	93	0.00	4.35- 4.76
8	m	BROMOMETHANE	1.646	1.701	-3.3	99	0.00	4.62- 5.04
9	m	CHLOROETHANE	0.748	0.790	-5.6	96	0.00	4.80- 5.21
10	m	TRICHLOROFLUOROMETHANE	5.858	4.995	14.7	80	0.00	5.58- 5.99
11	m	ISOPROPYL ALCOHOL	2.852	2.772	2.8	93	0.00	5.58- 6.06
12	m	ACETONE	3.392	2.744	19.1	90	0.00	5.39- 5.80
13	m	PENTANE	2.378	2.148	9.7	86	0.00	5.99- 6.29
14	m	1,1-DICHLOROETHYLENE	1.673	1.594	4.7	86	0.00	6.22- 6.63
15	m	CARBON DISULFIDE	6.070	5.580	8.1	83	0.00	6.65- 7.06
16	m	ETHANOL	0.580	0.482	16.9	96	0.00	4.86- 5.33
17	m	BROMOETHENE	1.444	1.501	-3.9	94	0.00	5.16- 5.57
		----------	True	Calc.	% Drift		----------	
18	m	METHYLENE CHLORIDE	10.000	10.511	-5.1	81	0.00	6.39- 6.69
		----------	AvgRF	CCRF	% Dev		----------	
19	m	3-CHLOROPROPENE	1.865	1.897	-1.7	88	0.00	6.45- 6.86
20	m	FREON 113	2.900	2.364	18.5	82	0.00	6.59- 7.00
21	m	TRANS-1,2-DICHLOROETHY	1.587	1.543	2.8	87	0.00	7.26- 7.67
22	m	TERTIARY BUTYL ALCOHOL	2.961	2.976	-0.5	86	0.00	6.17- 6.68
23	m	METHYL TERTIARY BUTYL	3.169	3.209	-1.3	88	0.00	7.50- 7.91
		----------	True	Calc.	% Drift		----------	
24	m	TETRAHYDROFURAN	10.000	11.627	-16.3	78	0.00	8.99- 9.28
25	m	HEXANE	10.000	7.317	26.8	72	0.00	8.46- 8.87
		----------	AvgRF	CCRF	% Dev		----------	
26	m	VINYL ACETATE	2.924	3.115	-6.5	96	0.00	7.61- 7.96
27	m	1,1-DICHLOROETHANE	3.755	3.408	9.2	82	0.00	7.45- 7.86
28	m	METHYL ETHYL KETONE	2.521	2.556	-1.4	81	0.00	7.78- 8.27
29	m	cis-1,2-DICHLOROETHYLE	1.098	1.273	-15.9	92	0.00	8.26- 8.67
30	m	ETHYL ACETATE	5.390	4.450	17.4	74	0.00	8.45- 8.87
31	m	CHLOROFORM	4.097	3.721	9.2	83	0.00	8.54- 8.95
32	m	1,1,1-TRICHLOROETHANE	3.971	3.571	10.1	81	0.00	9.50- 9.91
33	m	CARBON TETRACHLORIDE	4.520	3.833	15.2	78	0.00	10.08-10.49
34	m	1,2-DICHLOROETHANE	2.493	2.483	0.4	87	0.00	9.25- 9.66

Initial Calibration Verification

Job Number: M67264
Account: GEI GEI Consultants, Inc.
Project: GEI Tufts Street Somerville MA

Sample: MSQ229-ICV229
Lab FileID: Q4317.D

35	I	1,4-DIFLUOROBENZENE	1.000	1.000	0.0	74	0.00	10.25-10.66
		----------	True	Calc.	% Drift			----------
36	m	BENZENE	10.000	13.503	-35.0#	83	0.00	9.94-10.35
37	m	CYCLOHEXANE	10.000	12.754	-27.5	76	0.00	10.20-10.61
		----------	AvgRF	CCRF	% Dev			----------
38	m	TRICHLOROETHYLENE	0.432	0.529	-22.5	85	0.00	10.98-11.29
39	m	1,2-DICHLOROPROPANE	0.300	0.333	-11.0	82	0.00	10.71-11.12
40	m	BROMODICHLOROMETHANE	0.813	0.863	-6.2	80	0.00	10.95-11.26
		----------	True	Calc.	% Drift			----------
41	m	2,2,4-TRIMETHYLPENTANE	10.000	13.175	-31.8#	79	0.00	10.96-11.37
		----------	AvgRF	CCRF	% Dev			----------
42	m	1,4-DIOXANE	0.132	0.154	-16.7	84	0.00	10.86-11.39
		----------	True	Calc.	% Drift			----------
43	m	HEPTANE	10.000	12.596	-26.0	74	0.00	11.25-11.56
44	m	METHYL ISOBUTYL KETONE	10.000	12.846	-28.5	77	0.00	11.76-12.19
45	m	cis-1,3-DICHLOROPROPEN	10.000	15.554	-55.5#	104	0.00	11.75-12.16
		----------	AvgRF	CCRF	% Dev			----------
46	m	TOLUENE	0.498	0.566	-13.7	89	0.00	12.71-13.13
		----------	True	Calc.	% Drift			----------
47	m	trans-1,3-DICHLOROPROP	10.000	16.762	-67.6#	121	0.00	12.30-12.61
		----------	AvgRF	CCRF	% Dev			----------
48	m	1,1,2-TRICHLOROETHANE	0.287	0.328	-14.3	87	0.00	12.46-12.82
49	I	CHLOROBENZENE-D5	1.000	1.000	0.0	76	0.00	14.54-14.85
		----------	True	Calc.	% Drift			----------
50	m	2-HEXANONE	10.000	14.179	-41.8#	90	0.00	12.94-13.34
		----------	AvgRF	CCRF	% Dev			----------
51	m	TETRACHLOROETHYLENE	0.424	0.512	-20.8	92	0.00	13.85-14.26
52	m	DIBROMOCHLOROMETHANE	0.731	0.803	-9.8	86	0.00	13.16-13.52
53	m	1,2-DIBROMOETHANE	0.449	0.634	-41.2#	109	0.00	13.44-13.75
54	m	CHLOROBENZENE	0.726	0.962	-32.5#	106	0.00	14.59-14.90
		----------	True	Calc.	% Drift			----------
55	m	ETHYLBENZENE	10.000	14.256	-42.6#	92	0.00	14.94-15.30
56	m	m,p-XYLENE	20.000	27.967	-39.8#	93	0.00	15.14-15.50
57	m	o-XYLENE	10.000	14.231	-42.3#	99	0.00	15.64-16.00
58	m	STYRENE	10.000	18.762	-87.6#	158	0.00	15.54-15.85
59	m	NONANE	10.000	13.643	-36.4#	87	0.00	15.86-16.17
		----------	AvgRF	CCRF	% Dev			----------
60	m	BROMOFORM	0.555	0.676	-21.8	96	0.00	15.26-15.57
61	S	4-BROMOFLUOROBENZENE	0.649	0.784	-20.8	85	0.00	16.16-16.47
62	m	1,1,2,2-TETRACHLOROETH	0.895	1.039	-16.1	94	0.00	15.65-15.96
		----------	True	Calc.	% Drift			----------
63	m	ISOPROPYLBENZENE	10.000	14.287	-42.9#	102	0.00	16.31-16.62
64	m	2-CHLOROTOLUENE	10.000	15.345	-53.5#	116	0.00	16.81-17.22
65	m	4-ETHYLTOLUENE	10.000	14.822	-48.2#	114	0.00	17.07-17.34
66	m	1,3,5-TRIMETHYLBENZENE	10.000	14.646	-46.5#	105	0.00	17.16-17.42

Initial Calibration Verification

Job Number: M67264
Account: GEI GEI Consultants, Inc.
Project: GEI Tufts Street Somerville MA

Sample: MSQ229-ICV229
Lab FileID: Q4317.D

67	m	1,2,4-TRIMETHYLBENZENE	10.000	15.395	-53.9#	124	0.00	17.60-17.91
68	m	m-DICHLOROBENZENE	10.000	22.474	-124.7#	201	0.00	17.77-18.10
69	m	BENZYL CHLORIDE	10.000	25.699	-157.0#	263	0.00	17.76-18.07
70	m	p-DICHLOROBENZENE	10.000	26.834	-168.3#	249	0.00	17.89-18.13
71	m	o-DICHLOROBENZENE	10.000	19.799	-98.0#	179	0.00	18.24-18.55
72	m	HEXACHLOROBUTADIENE	10.000	14.783	-47.8#	121	0.00	20.59-21.00
73	m	1,2,4-TRICHLOROBENZENE	10.000	37.353	-273.5#	614	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
Q4312.D Q081607T.m Fri Aug 17 14:31:59 2007 RPT1

Initial Calibration Summary

Job Number: M67264
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: M67264
Account: GEI GEI Consultants, Inc.
Project: GEI Tufts Street Somerville MA

Sample: MSQ230-ICC230
Lab FileID: Q4338.D

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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
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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: M67264
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: M67264
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: M67264
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: M67264
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: M67264
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: M67264
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: M67264
Account: GEI GEI Consultants, Inc.
Project: GEI Tufts Street Somerville MA

Sample: MSQ230-ICV230
Lab FileID: Q4342.D

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

   (#) = Out of Range              SPCC's out = 0  CCC's out = 0
    Q4338.D    Q082007T.m       Tue Aug 21 16:11:07 2007   RPT1
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Initial Calibration Summary

Job Number: M67264
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: M67264
Account: GEI GEI Consultants, Inc.
Project: GEI Tufts Street Somerville MA

Sample: MSQ232-ICC232
Lab FileID: Q4400.D

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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: M67264
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: M67264
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: M67264
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: M67264
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: M67264
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: M67264
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: M67264
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

GC/MS Volatiles

Raw Data

Manual Integrations APPROVED (compounds with "m" flag)
Doug Yargeau
08/28/07 15:49

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\
Data File : Q4410.D
Acq On : 27 Aug 2007 7:55 pm
Operator : danat
Sample : m67264-1 (m056)
Misc : MS14196, MSQ232,,,,,1
ALS Vial : 5 Sample Multiplier: 1

Quant Time: Aug 28 15:15:55 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

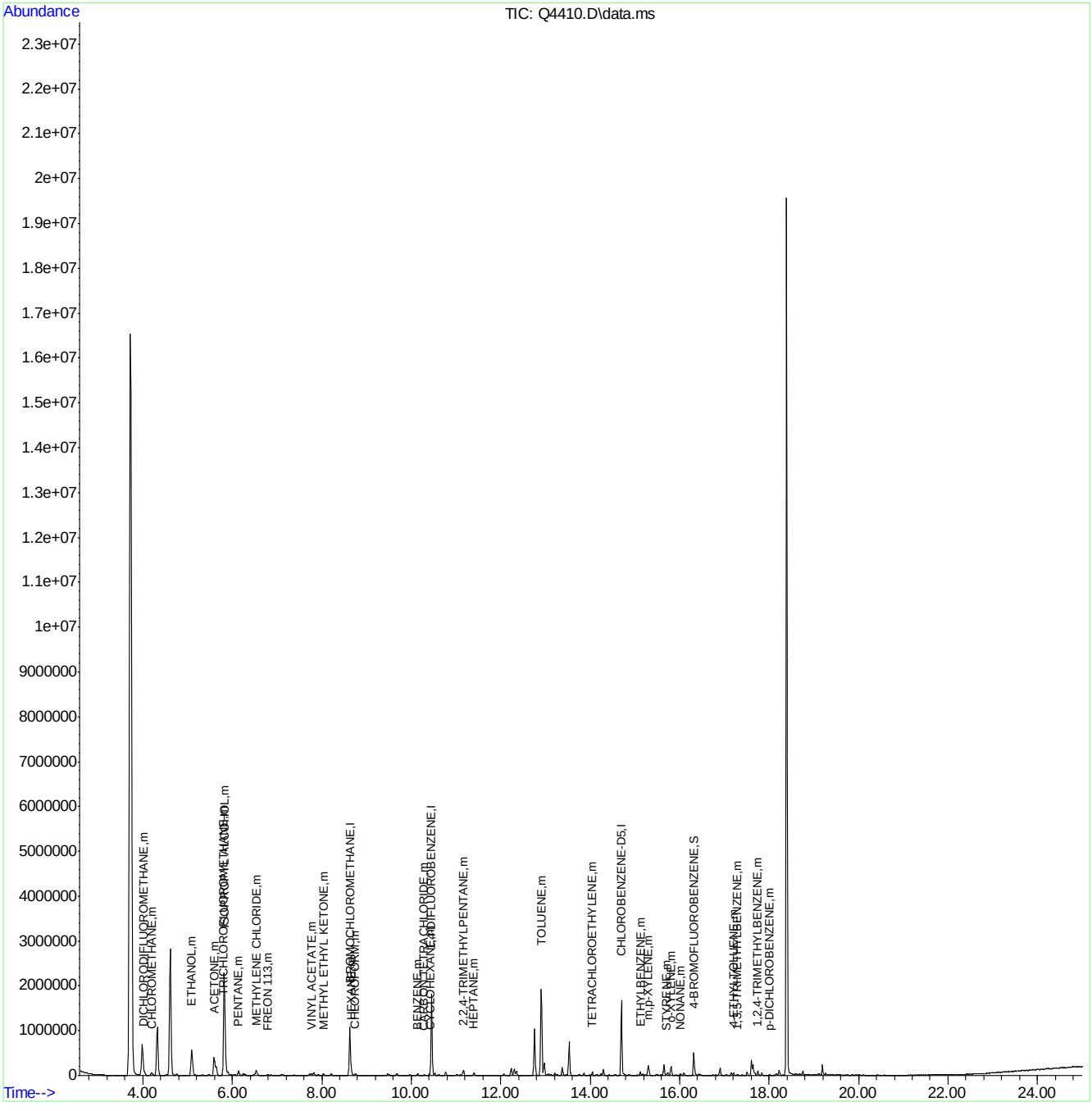
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) BROMOCHLOROMETHANE	8.626	128	299163	10.00	PPBV	0.00
35) 1,4-DIFLUOROBENZENE	10.456	114	1352895	10.00	PPBV	0.00
49) CHLOROBENZENE-D5	14.698	117	885506	10.00	PPBV	0.00
System Monitoring Compounds						
61) 4-BROMOFLUOROBENZENE	16.316	95	173588	4.61	PPBV	0.00
Spiked Amount 5.000	Range 57 - 139		Recovery = 92.20%			
Target Compounds						Qvalue
2) DICHLORODIFLUOROMETHANE	4.033	85	73101	0.54	PPBV	99
5) CHLOROMETHANE	4.202	50	78950	2.78	PPBV	88
10) TRICHLOROFLUOROMETHANE	5.790	101	33752	0.26	PPBV	98
11) ISOPROPYL ALCOHOL	5.820	45	3542247m	92.87	PPBV	
12) ACETONE	5.595	43	687420	19.52	PPBV	97
13) PENTANE	6.138	42	44885	1.59	PPBV	98
16) ETHANOL	5.093	45	854915	108.12	PPBV	99
18) METHYLENE CHLORIDE	6.537	84	61887	1.70	PPBV	98
20) FREON 113	6.796	151	8263	0.11	PPBV	96
25) HEXANE	8.662	57	33973	0.77	PPBV	89
26) VINYL ACETATE	7.765	43	58193	1.40	PPBV	94
28) METHYL ETHYL KETONE	8.032	43	47751	1.09	PPBV	95
31) CHLOROFORM	8.750	83	32107	0.44	PPBV	97
33) CARBON TETRACHLORIDE	10.291	117	10117	0.11	PPBV	91
36) BENZENE	10.144	78	29998	0.42	PPBV	100
37) CYCLOHEXANE	10.412	84	9582	0.29	PPBV	86
41) 2,2,4-TRIMETHYLPENTANE	11.161	57	82476	0.74	PPBV	85
43) HEPTANE	11.400	43	18322	0.48	PPBV	92
46) TOLUENE	12.918	92	366506	7.25	PPBV	99
51) TETRACHLOROETHYLENE	14.052	164	14680	0.34	PPBV	96
55) ETHYLBENZENE	15.125	91	59577	0.62	PPBV	99
56) m,p-XYLENE	15.298	106	74700	2.45	PPBV #	97
57) o-XYLENE	15.816	106	25357	0.92	PPBV	94
58) STYRENE	15.699	104	4916	0.55	PPBV #	54
59) NONANE	16.016	43	12789	0.27	PPBV	85
65) 4-ETHYLTOLUENE	17.205	105	18815	0.64	PPBV	96
66) 1,3,5-TRIMETHYLBENZENE	17.284	105	12254	0.53	PPBV	98
67) 1,2,4-TRIMETHYLBENZENE	17.750	105	46283	0.95	PPBV	98
70) p-DICHLOROBENZENE	18.006	146	3352	0.46	PPBV	92

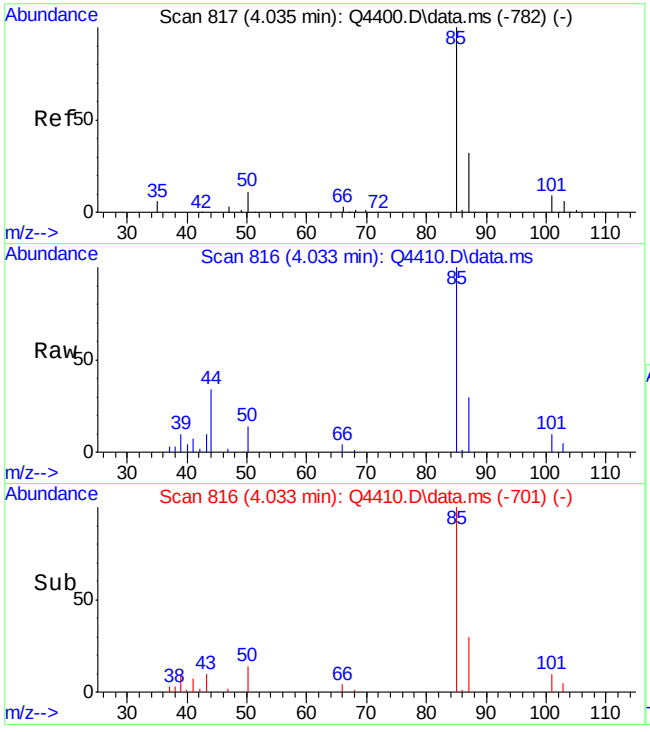
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\
Data File : Q4410.D
Acq On : 27 Aug 2007 7:55 pm
Operator : danat
Sample : m67264-1 (m056)
Misc : MS14196, MSQ232,,,,,1
ALS Vial : 5 Sample Multiplier: 1

Quant Time: Aug 28 15:15:55 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

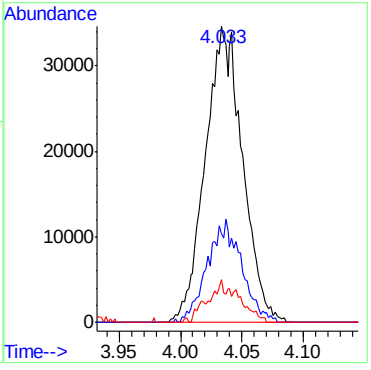


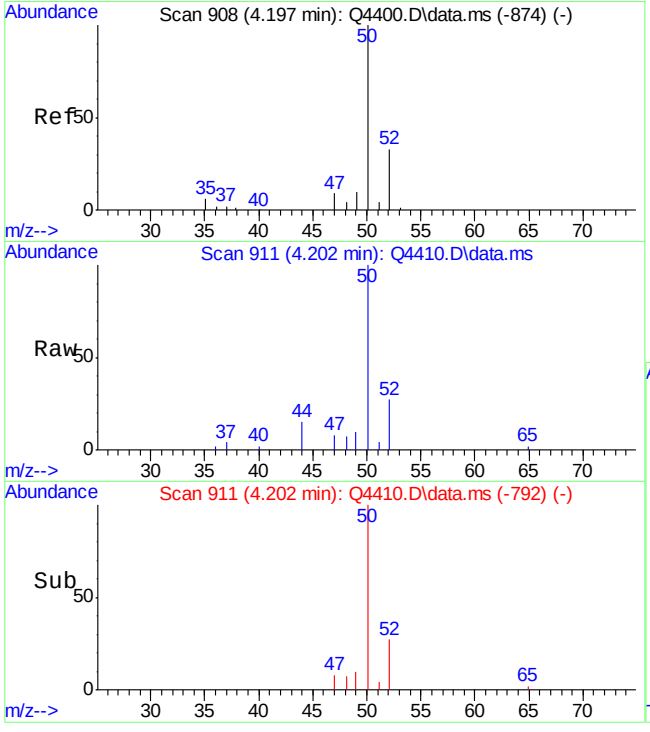


#2
DICHLORODIFLUOROMETHANE
Concen: 0.54 PPBV
RT: 4.033 min Scan# 816
Delta R.T. -0.002 min
Lab File: Q4410.D
Acq: 27 Aug 2007 7:55 pm

Tgt Ion: 85 Resp: 73101

Ion	Ratio	Lower	Upper
85	100		
87	31.8	12.1	52.1
50	11.9	0.0	31.5

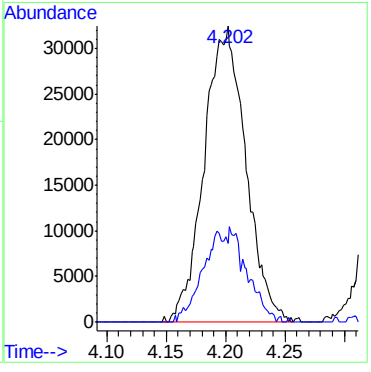


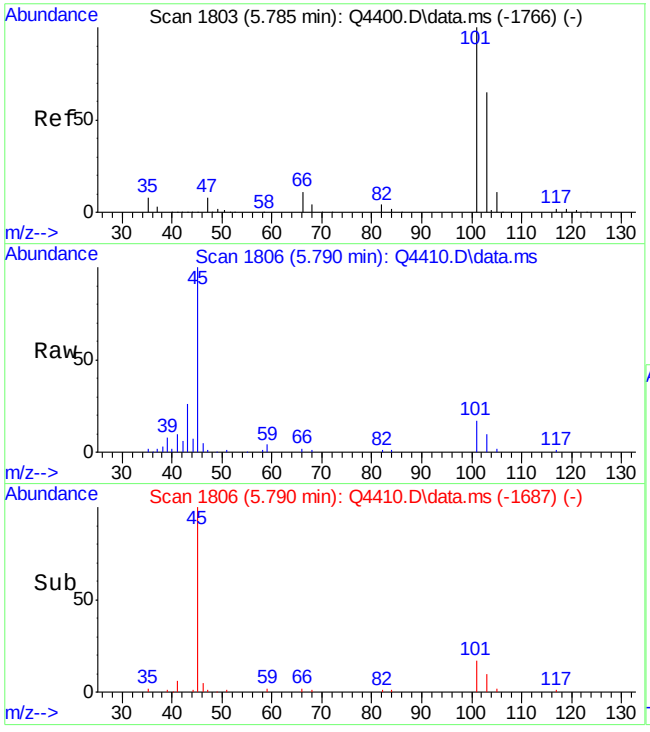


#5
CHLOROMETHANE
Concen: 2.78 PPBV
RT: 4.202 min Scan# 911
Delta R.T. 0.005 min
Lab File: Q4410.D
Acq: 27 Aug 2007 7:55 pm

Tgt Ion: 50 Resp: 78950

Ion	Ratio	Lower	Upper
50	100		
52	26.7	13.4	53.4

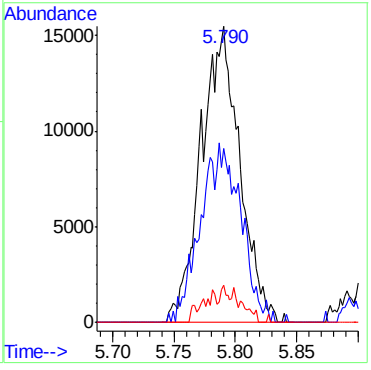


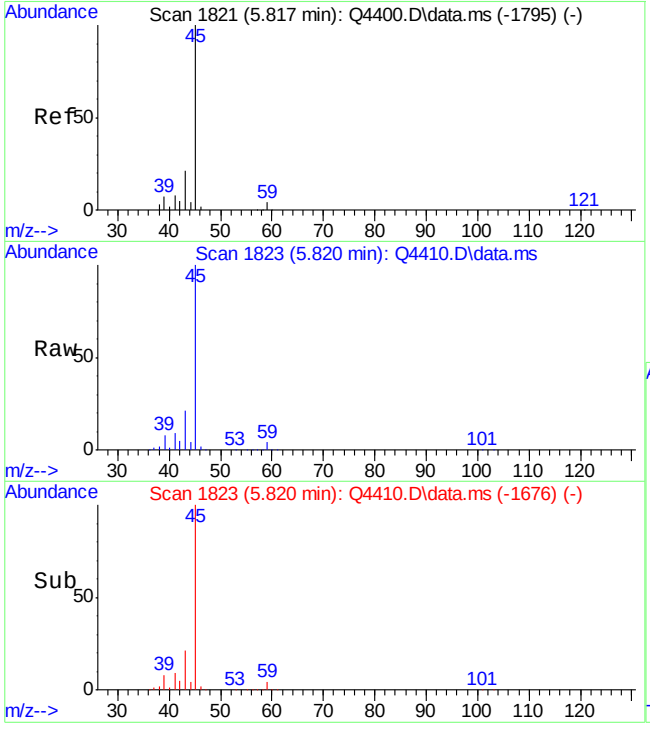


#10
TRICHLOROFLUOROMETHANE
Concen: 0.26 PPBV
RT: 5.790 min Scan# 1806
Delta R.T. 0.005 min
Lab File: Q4410.D
Acq: 27 Aug 2007 7:55 pm

Tgt Ion:101 Resp: 33752

Ion	Ratio	Lower	Upper
101	100		
103	63.4	45.2	85.2
105	10.3	0.0	30.5

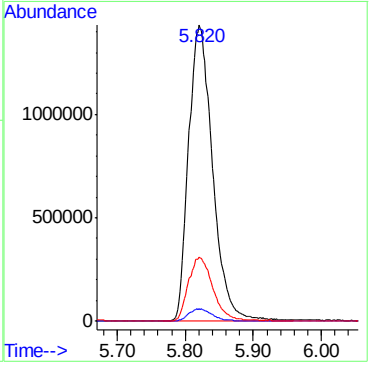


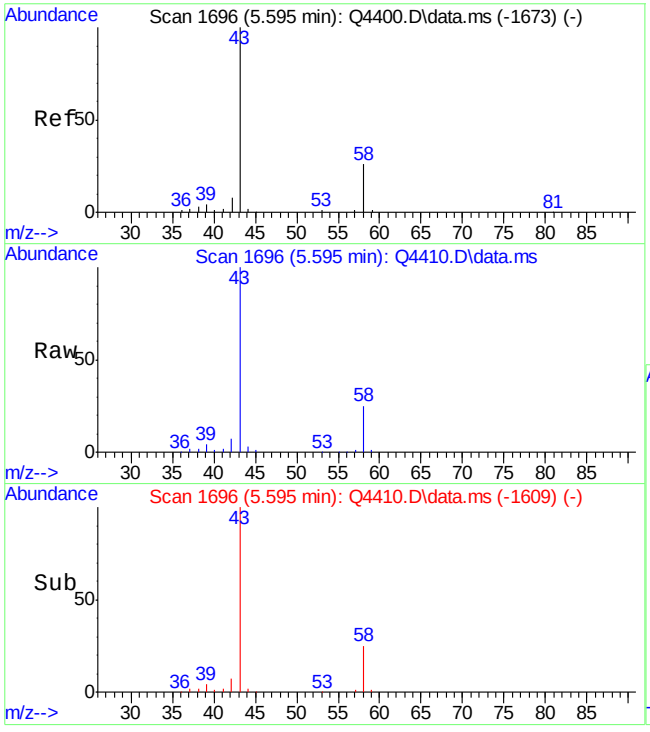


#11
ISOPROPYL ALCOHOL
Concen: 92.87 PPBV m
RT: 5.820 min Scan# 1823
Delta R.T. 0.003 min
Lab File: Q4410.D
Acq: 27 Aug 2007 7:55 pm

Tgt Ion: 45 Resp: 3542247

Ion	Ratio	Lower	Upper
45	100		
59	4.3	0.0	23.9
43	21.5	1.5	41.5

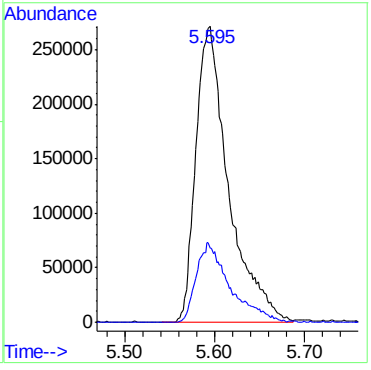


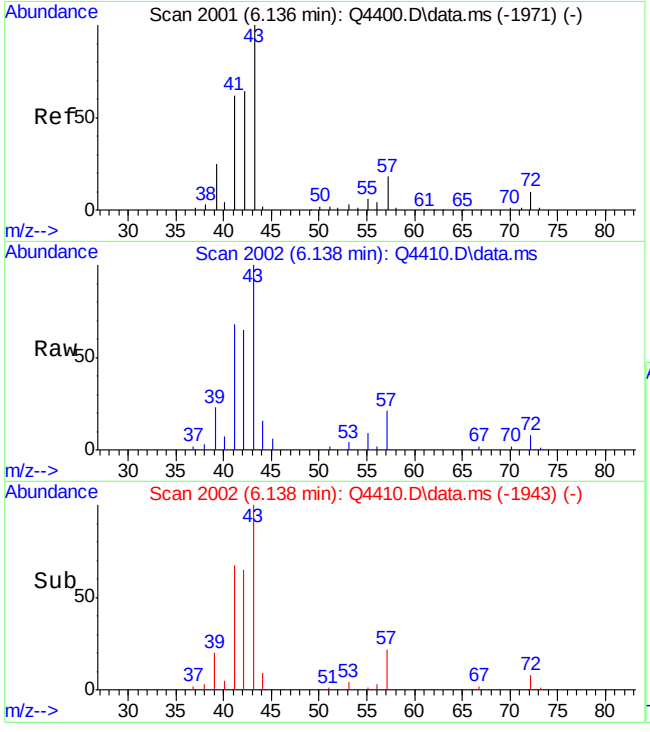


#12
ACETONE
Concen: 19.52 PPBV
RT: 5.595 min Scan# 1696
Delta R.T. -0.000 min
Lab File: Q4410.D
Acq: 27 Aug 2007 7:55 pm

Tgt Ion: 43 Resp: 687420

Ion	Ratio	Lower	Upper
43	100		
58	27.8	6.3	46.3

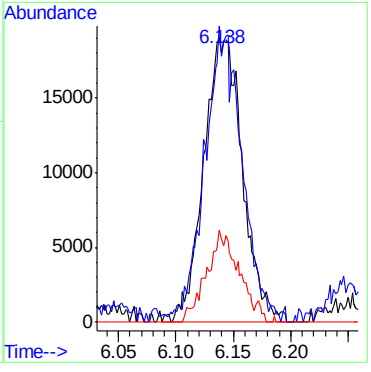


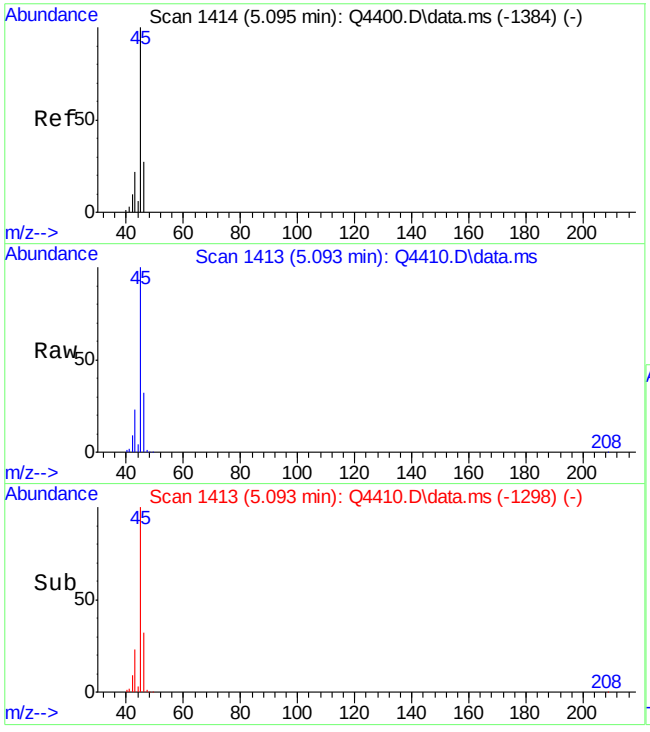


#13
PENTANE
Concen: 1.59 PPBV
RT: 6.138 min Scan# 2002
Delta R.T. 0.002 min
Lab File: Q4410.D
Acq: 27 Aug 2007 7:55 pm

Tgt Ion: 42 Resp: 44885

Ion	Ratio	Lower	Upper
42	100		
41	98.6	80.4	120.4
57	26.9	7.7	47.7

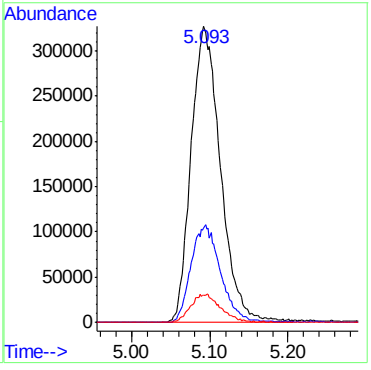


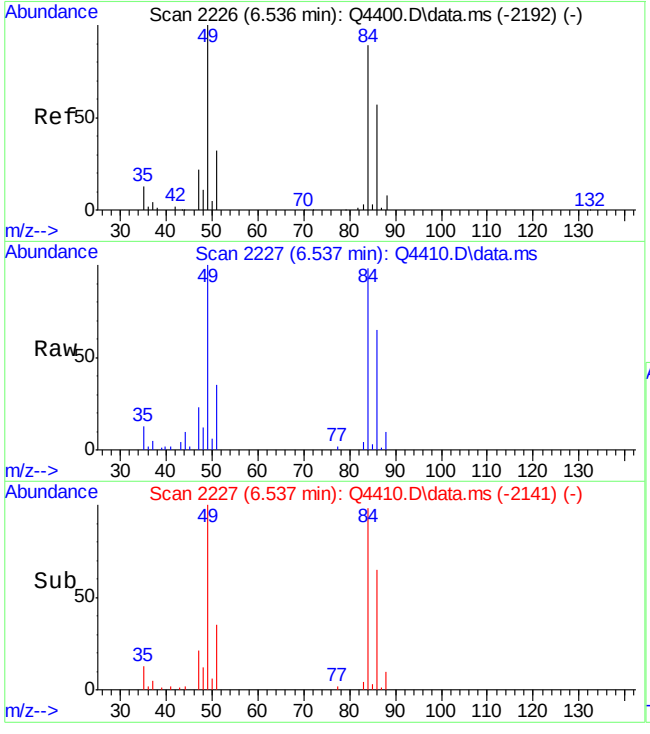


#16
ETHANOL
Concen: 108.12 PPBV
RT: 5.093 min Scan# 1413
Delta R.T. -0.001 min
Lab File: Q4410.D
Acq: 27 Aug 2007 7:55 pm

Tgt Ion: 45 Resp: 854915

Ion	Ratio	Lower	Upper
45	100		
46	33.2	12.8	52.8
42	9.7	0.0	30.7

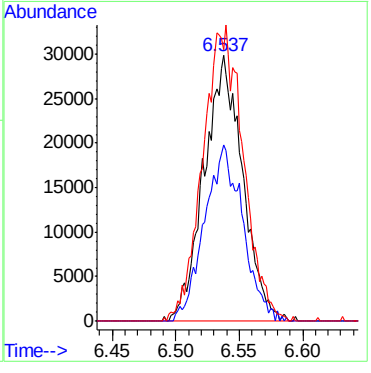


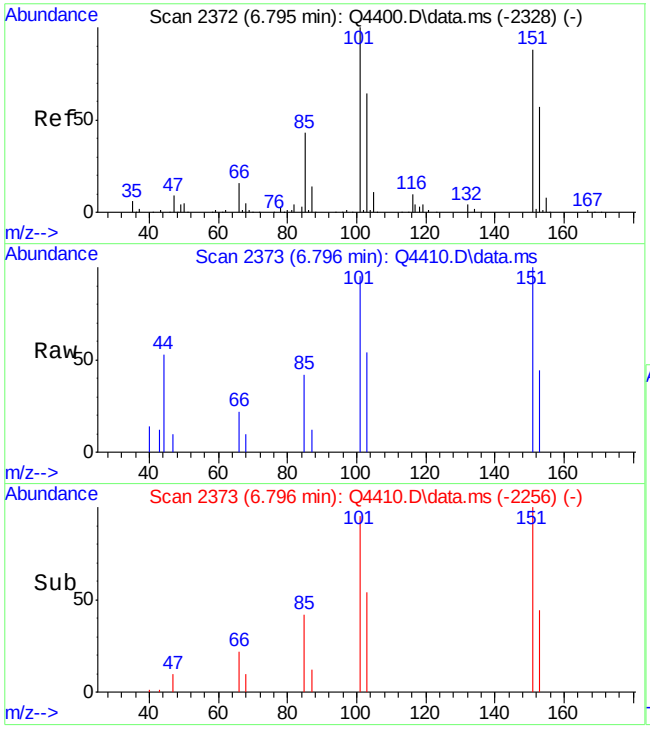


#18
METHYLENE CHLORIDE
Concen: 1.70 PPBV
RT: 6.537 min Scan# 2227
Delta R.T. 0.002 min
Lab File: Q4410.D
Acq: 27 Aug 2007 7:55 pm

Tgt Ion: 84 Resp: 61887

Ion	Ratio	Lower	Upper
84	100		
86	65.6	45.3	85.3
49	116.9	0.0	314.4

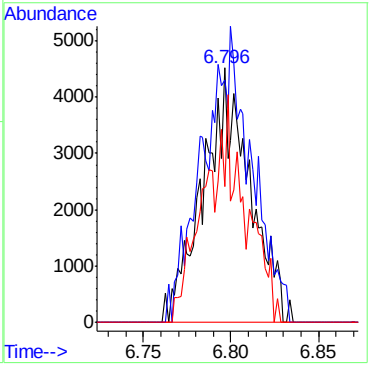


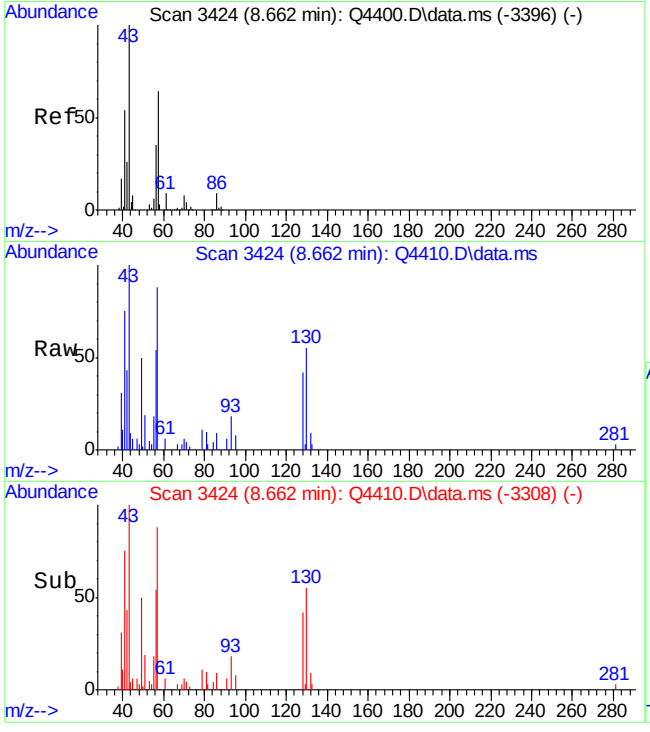


#20
FREON 113
Concen: 0.11 PPBV
RT: 6.796 min Scan# 2373
Delta R.T. 0.002 min
Lab File: Q4410.D
Acq: 27 Aug 2007 7:55 pm

Tgt Ion:151 Resp: 8263

Ion	Ratio	Lower	Upper
151	100		
101	120.5	95.9	135.9
103	77.2	54.7	94.7

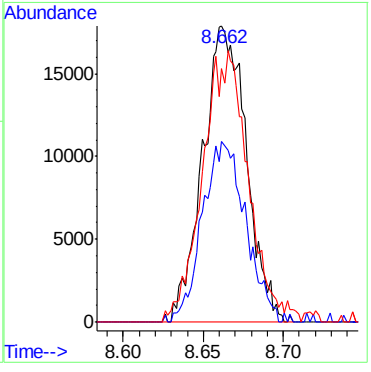


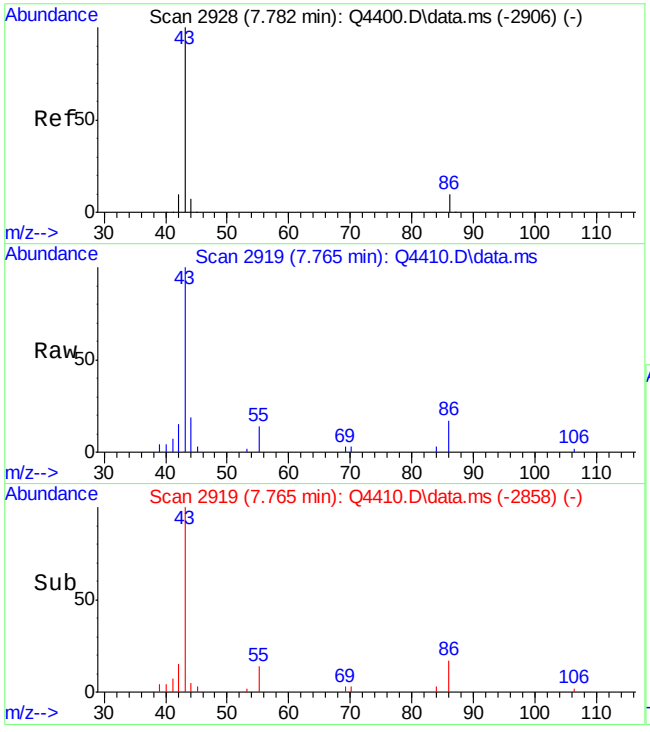


#25
HEXANE
Concen: 0.77 PPBV
RT: 8.662 min Scan# 3424
Delta R.T. -0.000 min
Lab File: Q4410.D
Acq: 27 Aug 2007 7:55 pm

Tgt Ion: 57 Resp: 33973

Ion	Ratio	Lower	Upper
57	100		
56	60.4	34.7	74.7
41	96.4	64.6	104.6

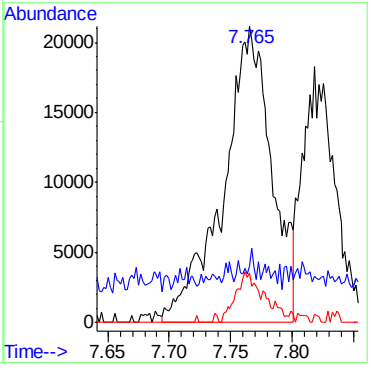


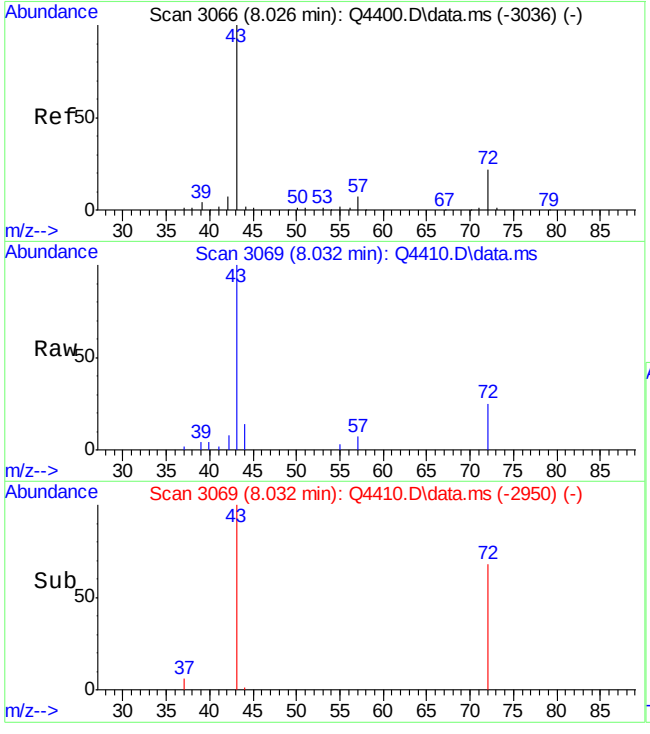


#26
VINYL ACETATE
Concen: 1.40 PPBV
RT: 7.765 min Scan# 2919
Delta R.T. -0.016 min
Lab File: Q4410.D
Acq: 27 Aug 2007 7:55 pm

Tgt Ion: 43 Resp: 58193

Ion	Ratio	Lower	Upper
43	100		
44	2.8	0.0	26.5
86	10.1	0.0	29.3

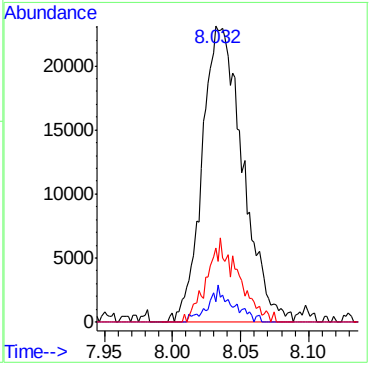


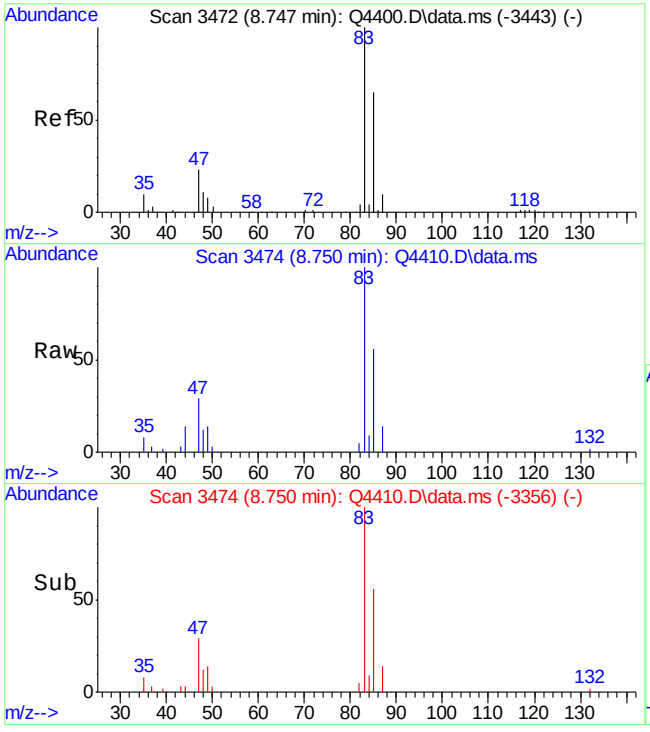


#28
METHYL ETHYL KETONE
Concen: 1.09 PPBV
RT: 8.032 min Scan# 3069
Delta R.T. 0.005 min
Lab File: Q4410.D
Acq: 27 Aug 2007 7:55 pm

Tgt Ion: 43 Resp: 47751

Ion	Ratio	Lower	Upper
43	100		
57	6.9	0.0	26.7
72	25.1	2.2	42.2

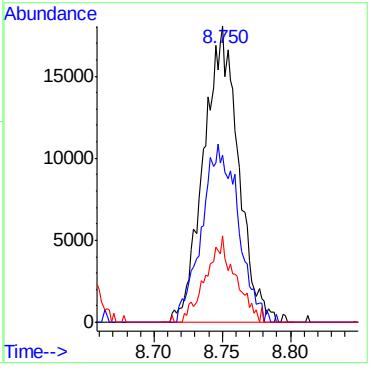


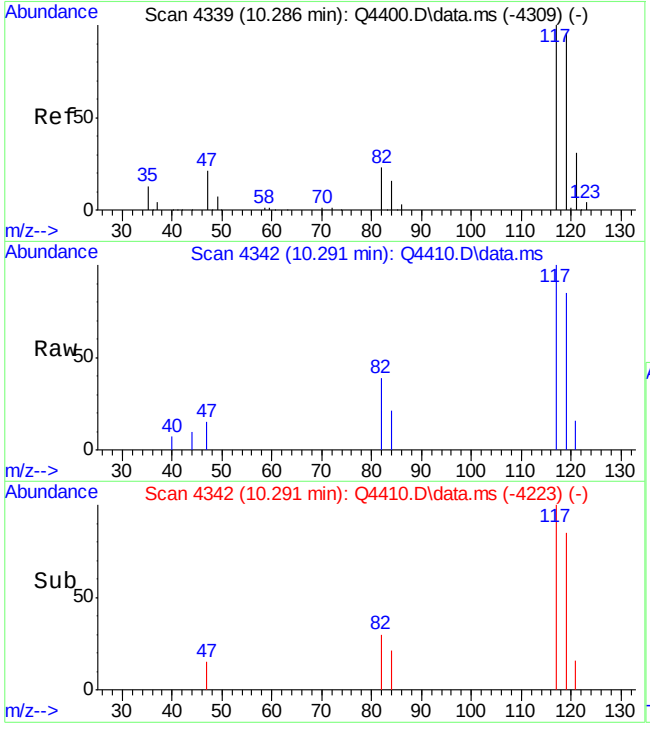


#31
CHLOROFORM
Concen: 0.44 PPBV
RT: 8.750 min Scan# 3474
Delta R.T. 0.003 min
Lab File: Q4410.D
Acq: 27 Aug 2007 7:55 pm

Tgt Ion: 83 Resp: 32107

Ion	Ratio	Lower	Upper
83	100		
85	63.0	45.3	85.3
47	24.7	3.6	43.6

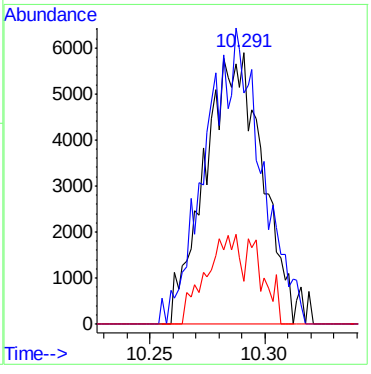




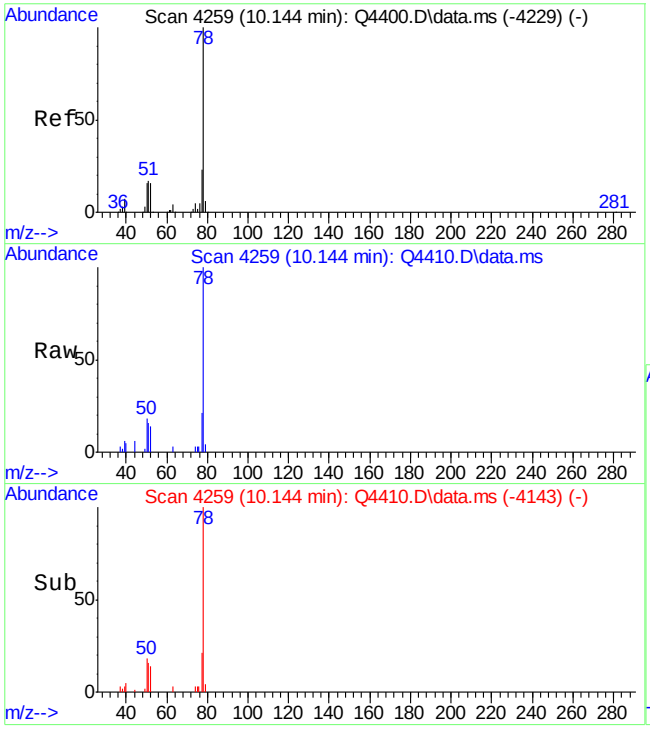
#33
CARBON TETRACHLORIDE
Concen: 0.11 PPBV
RT: 10.291 min Scan# 4342
Delta R.T. 0.005 min
Lab File: Q4410.D
Acq: 27 Aug 2007 7:55 pm

Tgt Ion:117 Resp: 10117

Ion	Ratio	Lower	Upper
117	100		
119	106.7	75.5	115.5
121	29.8	11.1	51.1



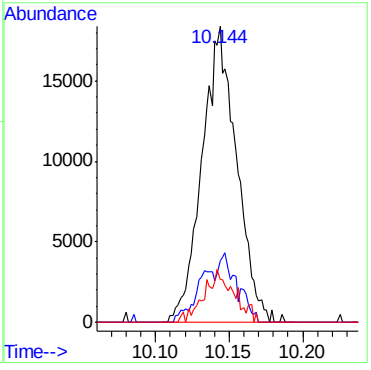
ACCUTEST Laboratories M67264

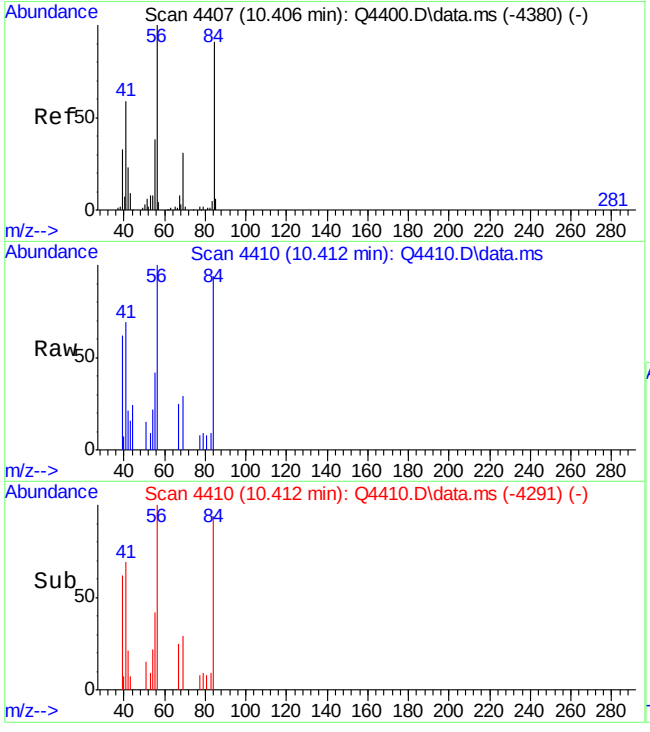


#36
BENZENE
Concen: 0.42 PPBV
RT: 10.144 min Scan# 4259
Delta R.T. -0.000 min
Lab File: Q4410.D
Acq: 27 Aug 2007 7:55 pm

Tgt Ion: 78 Resp: 29998

Ion	Ratio	Lower	Upper
78	100		
77	23.2	3.1	43.1
52	15.4	0.0	35.2

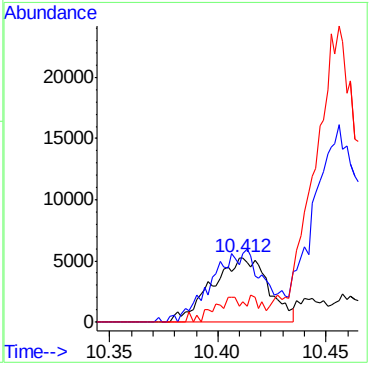




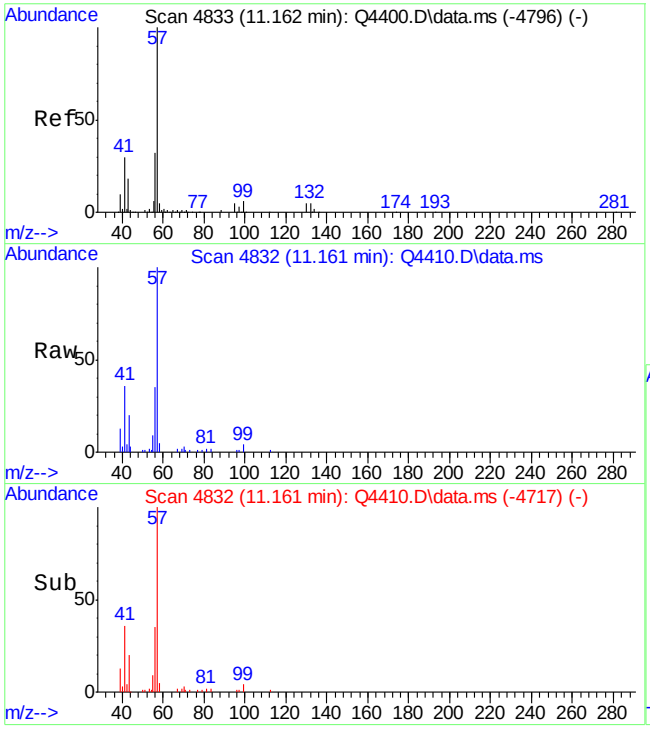
#37
CYCLOHEXANE
Concen: 0.29 PPBV
RT: 10.412 min Scan# 4410
Delta R.T. 0.005 min
Lab File: Q4410.D
Acq: 27 Aug 2007 7:55 pm

Tgt Ion: 84 Resp: 9582

Ion	Ratio	Lower	Upper
84	100		
56	106.3	97.3	137.3
69	19.6	16.5	56.5



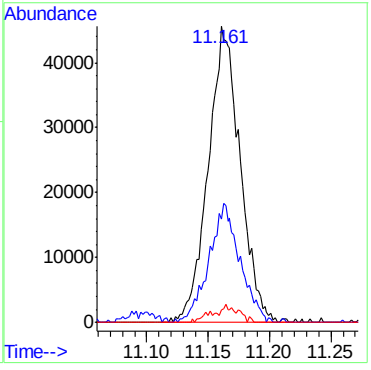
ACCUTEST Laboratories M67264

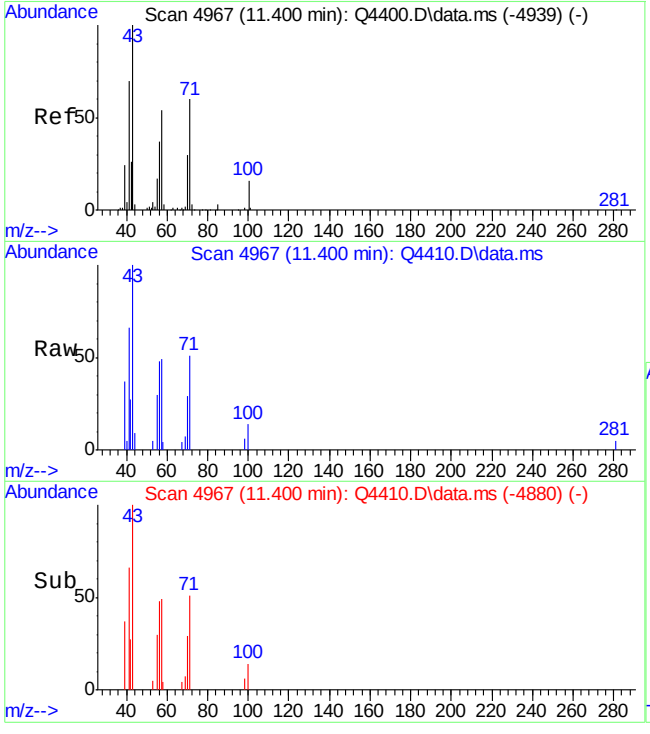


#41
2,2,4-TRIMETHYLPENTANE
Concen: 0.74 PPBV
RT: 11.161 min Scan# 4832
Delta R.T. -0.002 min
Lab File: Q4410.D
Acq: 27 Aug 2007 7:55 pm

Tgt Ion: 57 Resp: 82476

Ion	Ratio	Lower	Upper
57	100		
56	39.0	10.8	50.8
99	3.0	0.0	28.3

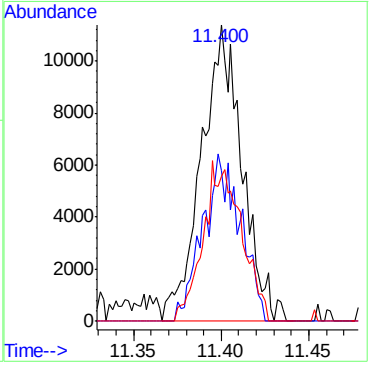


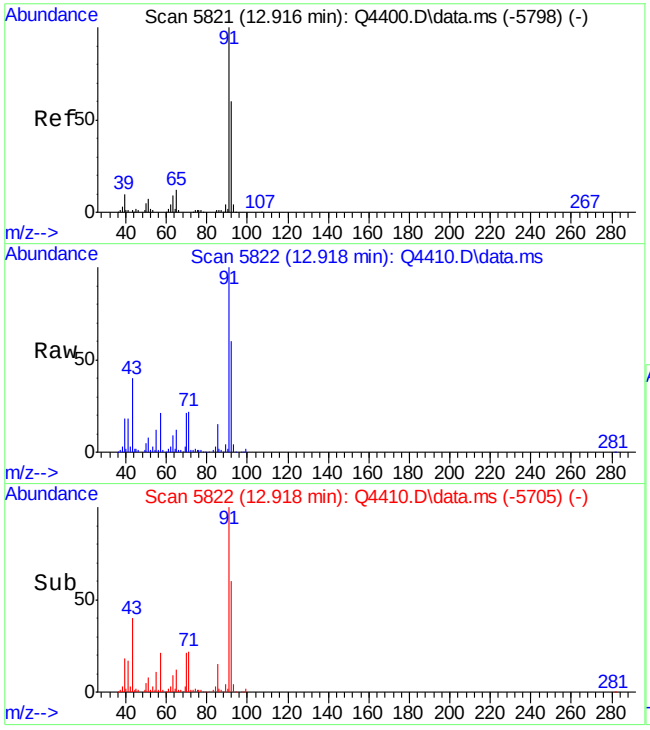


#43
HEPTANE
Concen: 0.48 PPBV
RT: 11.400 min Scan# 4967
Delta R.T. -0.000 min
Lab File: Q4410.D
Acq: 27 Aug 2007 7:55 pm

Tgt Ion: 43 Resp: 18322

Ion	Ratio	Lower	Upper
43	100		
71	52.0	39.8	79.8
57	50.2	33.8	73.8

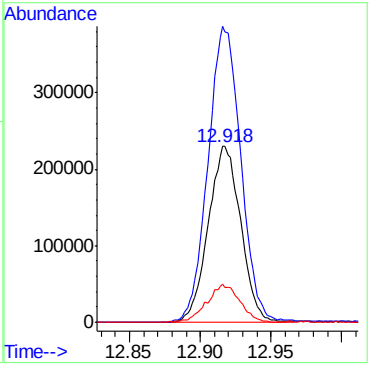


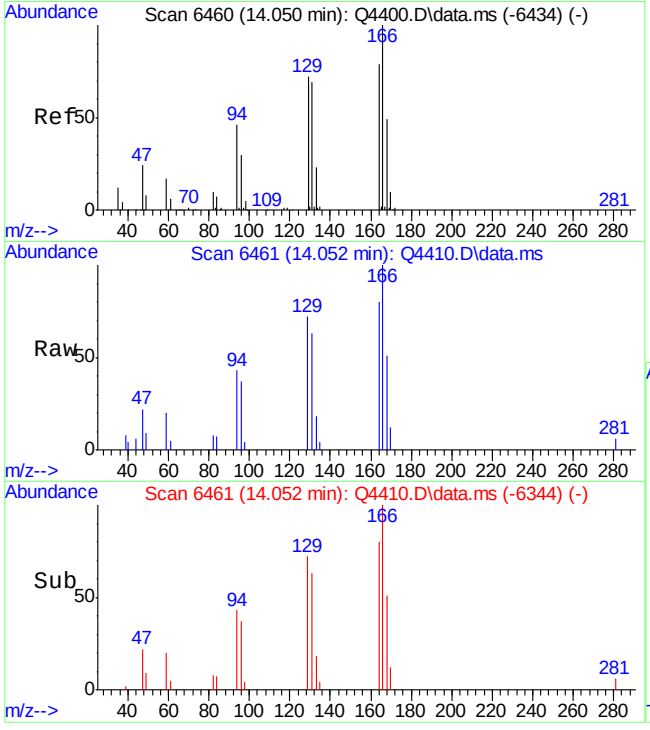


#46
TOLUENE
Concen: 7.25 PPBV
RT: 12.918 min Scan# 5822
Delta R.T. 0.002 min
Lab File: Q4410.D
Acq: 27 Aug 2007 7:55 pm

Tgt Ion: 92 Resp: 366506

Ion	Ratio	Lower	Upper
92	100		
91	171.4	150.8	190.8
65	22.2	0.2	40.2

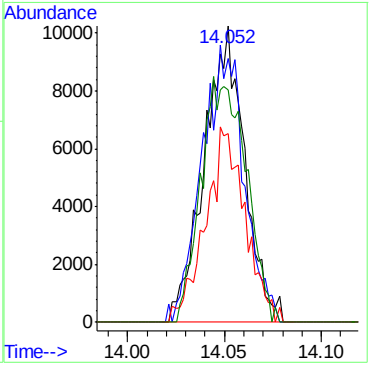


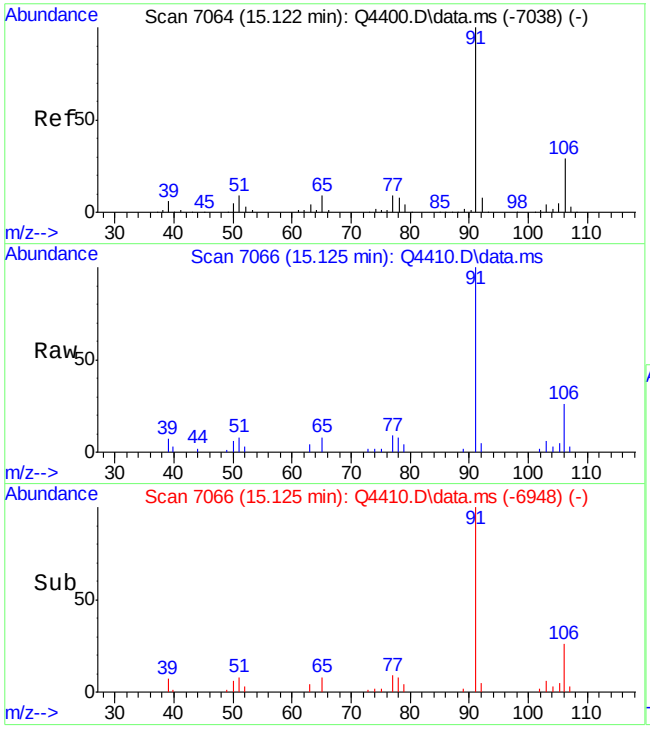


#51
TETRACHLOROETHYLENE
Concen: 0.34 PPBV
RT: 14.052 min Scan# 6461
Delta R.T. 0.002 min
Lab File: Q4410.D
Acq: 27 Aug 2007 7:55 pm

Tgt Ion:164 Resp: 14680

Ion	Ratio	Lower	Upper
164	100		
129	98.5	72.9	112.9
168	64.5	41.5	81.5
131	93.3	70.3	110.3

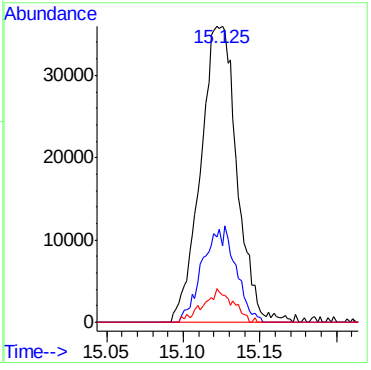


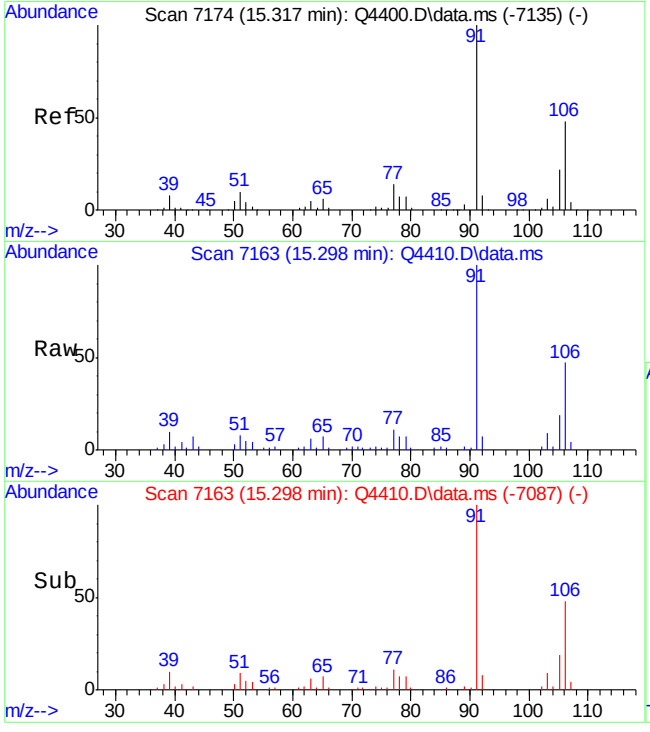


#55
ETHYLBENZENE
Concen: 0.62 PPBV
RT: 15.125 min Scan# 7066
Delta R.T. 0.003 min
Lab File: Q4410.D
Acq: 27 Aug 2007 7:55 pm

Tgt Ion: 91 Resp: 59577

Ion	Ratio	Lower	Upper
91	100		
106	29.4	9.7	49.7
77	9.2	0.0	28.9

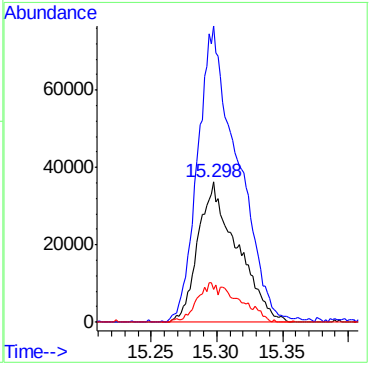


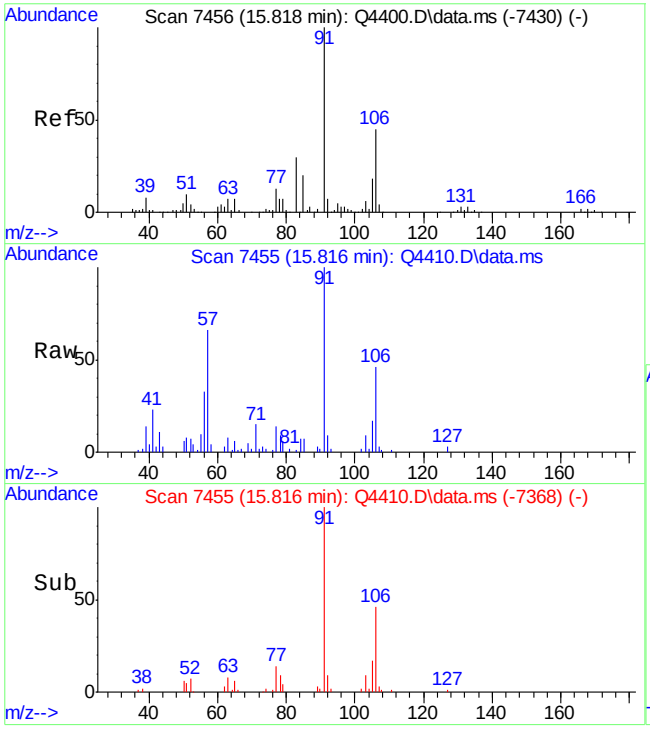


#56
m,p-XYLENE
Concen: 2.45 PPBV
RT: 15.298 min Scan# 7163
Delta R.T. -0.019 min
Lab File: Q4410.D
Acq: 27 Aug 2007 7:55 pm

Tgt Ion:106 Resp: 74700

Ion	Ratio	Lower	Upper
106	100		
91	211.8	166.7	250.1
77	23.4	23.8	35.8#

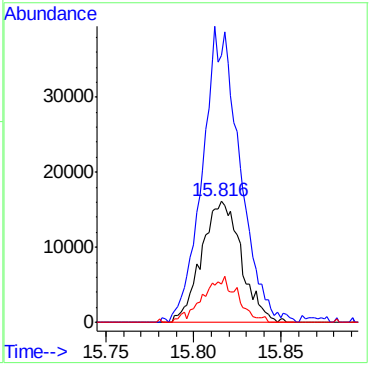


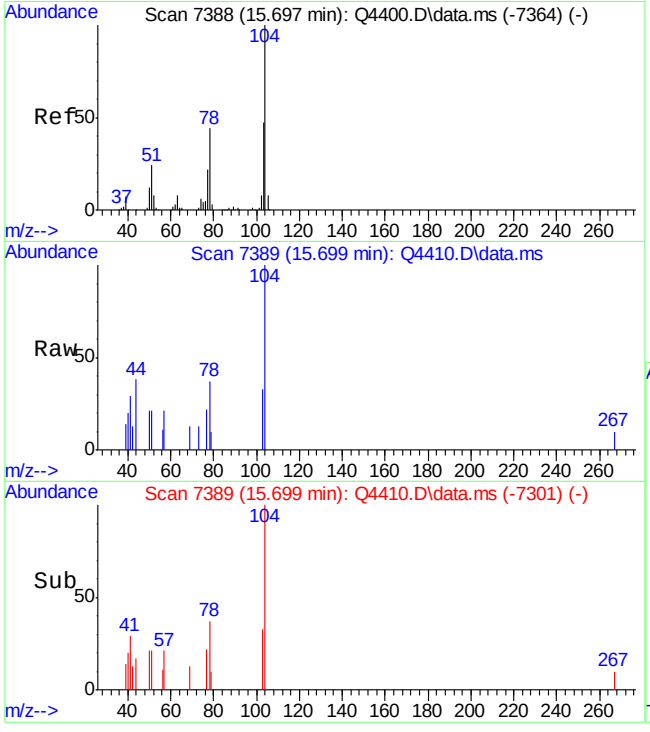


#57
o-XYLENE
Concen: 0.92 PPBV
RT: 15.816 min Scan# 7455
Delta R.T. -0.001 min
Lab File: Q4410.D
Acq: 27 Aug 2007 7:55 pm

Tgt Ion:106 Resp: 25357

Ion	Ratio	Lower	Upper
106	100		
91	231.0	201.4	241.4
77	33.1	8.0	48.0

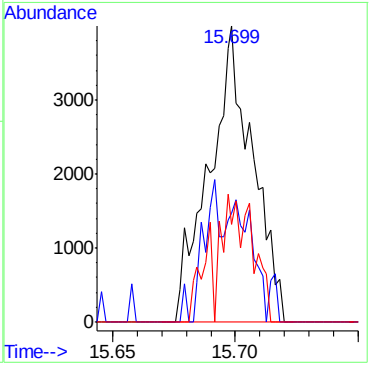


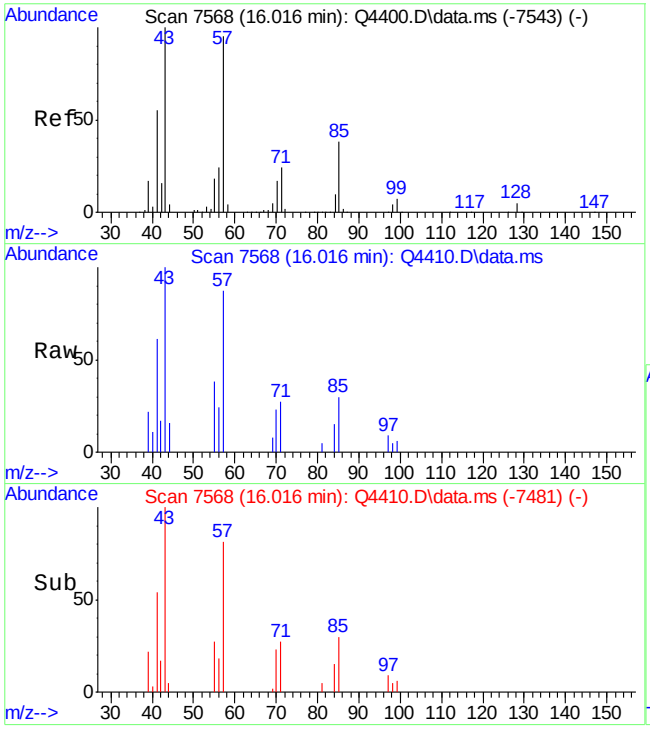


#58
STYRENE
Concen: 0.55 PPBV
RT: 15.699 min Scan# 7389
Delta R.T. 0.002 min
Lab File: Q4410.D
Acq: 27 Aug 2007 7:55 pm

Tgt Ion:104 Resp: 4916

Ion	Ratio	Lower	Upper
104	100		
78	0.0	24.4	64.4#
103	30.3	26.4	66.4

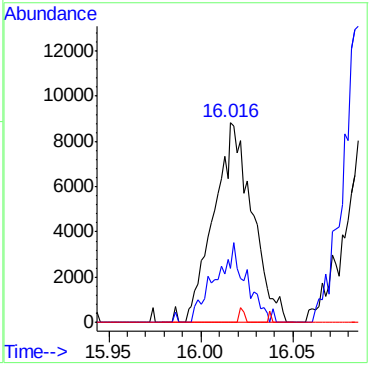


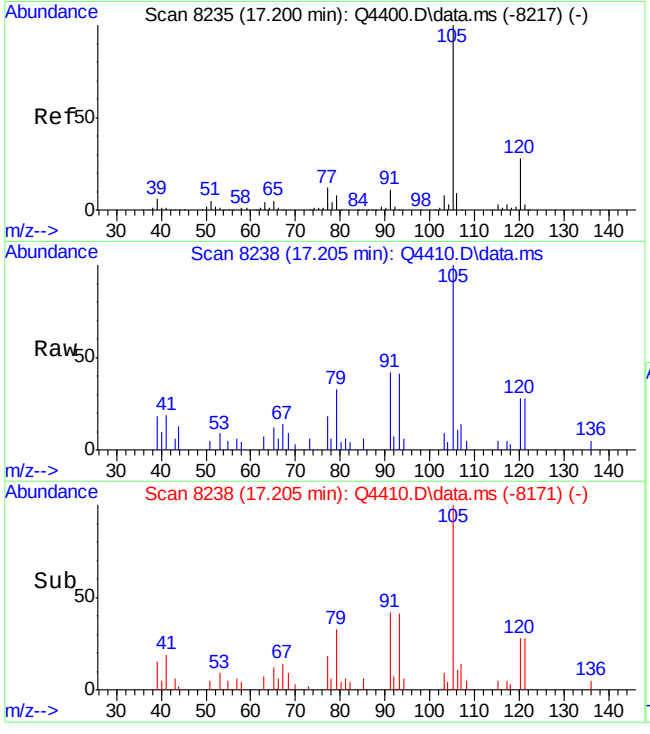


#59
NONANE
Concen: 0.27 PPBV
RT: 16.016 min Scan# 7568
Delta R.T. -0.000 min
Lab File: Q4410.D
Acq: 27 Aug 2007 7:55 pm

Tgt Ion: 43 Resp: 12789

Ion	Ratio	Lower	Upper
43	100		
71	32.4	4.7	44.7
128	0.9	0.0	25.4

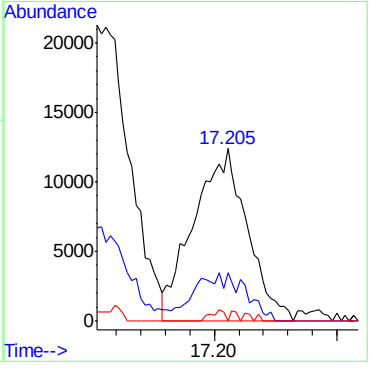


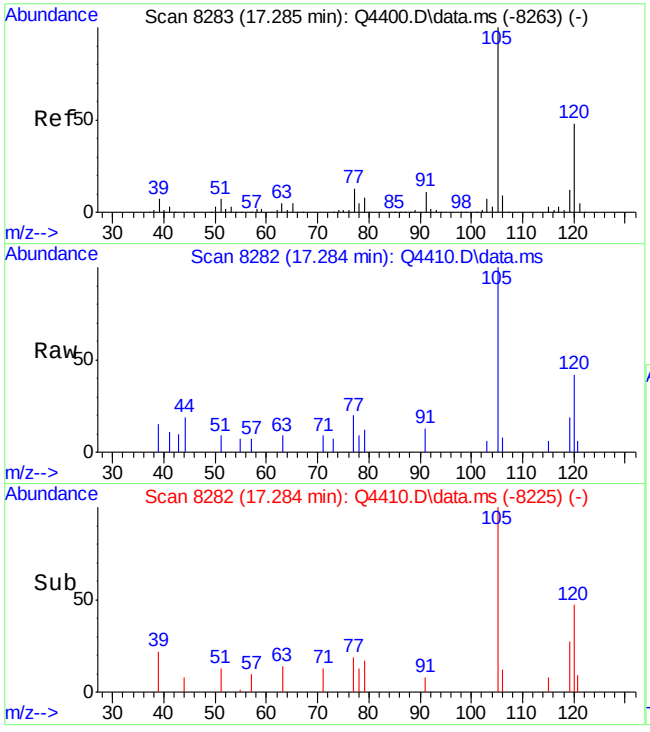


#65
4-ETHYLTOLUENE
Concen: 0.64 PPBV
RT: 17.205 min Scan# 8238
Delta R.T. 0.005 min
Lab File: Q4410.D
Acq: 27 Aug 2007 7:55 pm

Tgt Ion:105 Resp: 18815

Ion	Ratio	Lower	Upper
105	100		
120	26.3	8.5	48.5
119	2.4	0.0	22.2

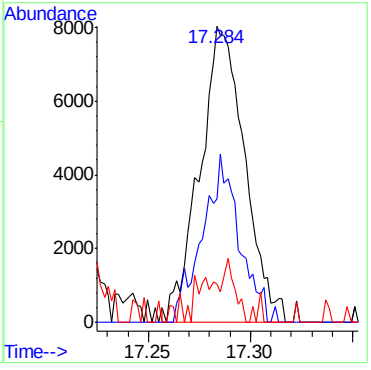


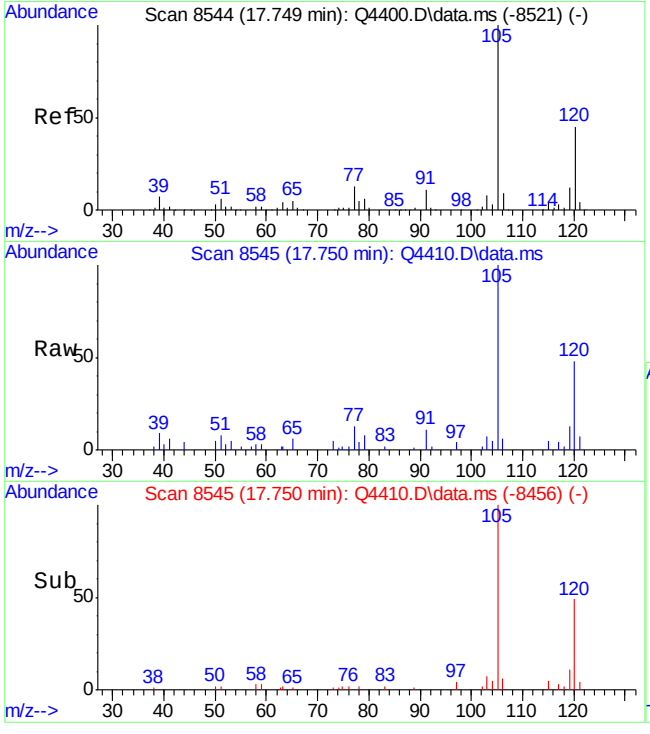


#66
1,3,5-TRIMETHYLBENZENE
Concen: 0.53 PPBV
RT: 17.284 min Scan# 8282
Delta R.T. -0.002 min
Lab File: Q4410.D
Acq: 27 Aug 2007 7:55 pm

Tgt Ion:105 Resp: 12254

Ion	Ratio	Lower	Upper
105	100		
120	46.5	27.4	67.4
91	12.8	0.0	30.8

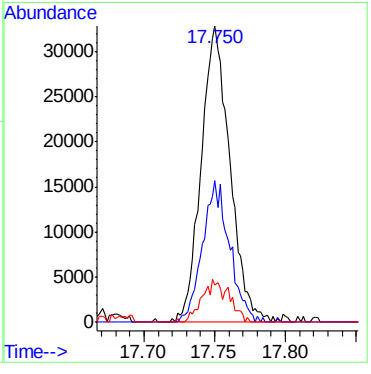


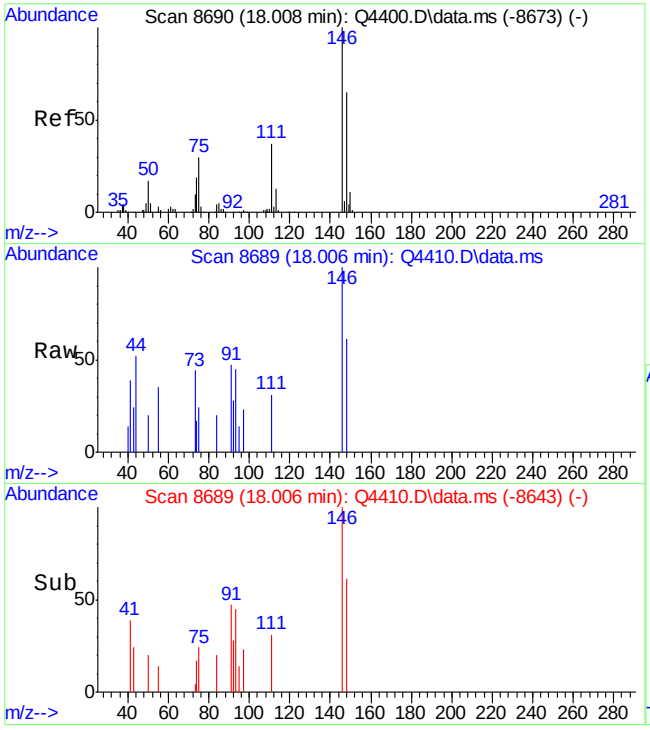


#67
1,2,4-TRIMETHYLBENZENE
Concen: 0.95 PPBV
RT: 17.750 min Scan# 8545
Delta R.T. 0.002 min
Lab File: Q4410.D
Acq: 27 Aug 2007 7:55 pm

Tgt Ion:105 Resp: 46283

Ion	Ratio	Lower	Upper
105	100		
120	44.6	25.7	65.7
119	13.3	0.0	31.4

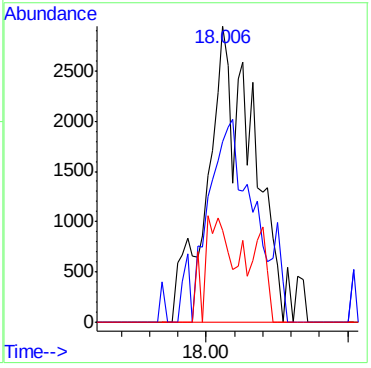




#70
p-DICHLOROBENZENE
Concen: 0.46 PPBV
RT: 18.006 min Scan# 8689
Delta R.T. -0.001 min
Lab File: Q4410.D
Acq: 27 Aug 2007 7:55 pm

Tgt Ion:146 Resp: 3352

Ion	Ratio	Lower	Upper
146	100		
148	70.9	44.4	84.4
111	33.5	17.2	57.2



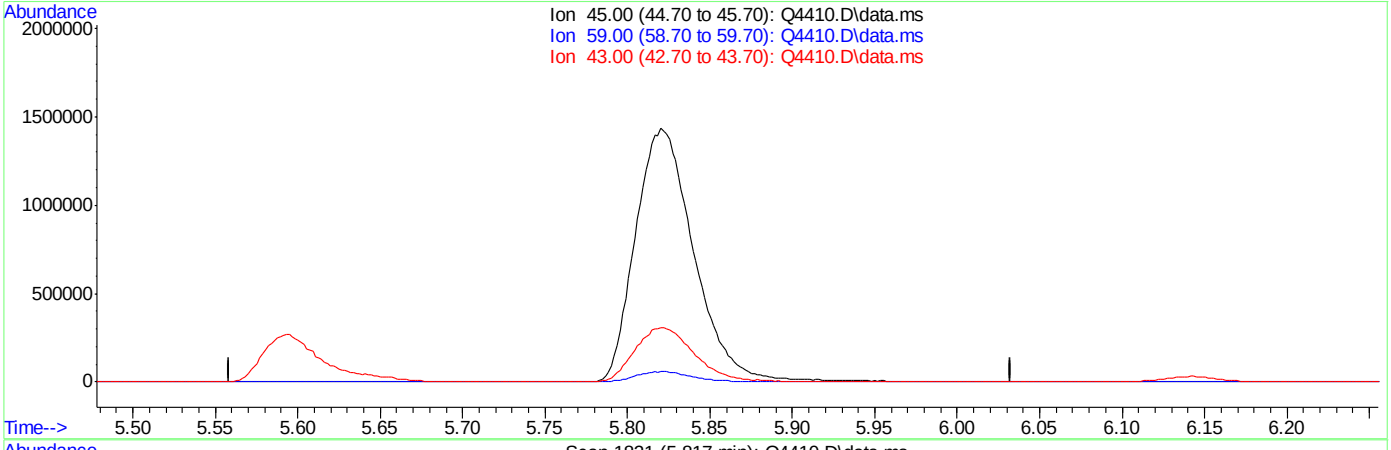
6.1.1

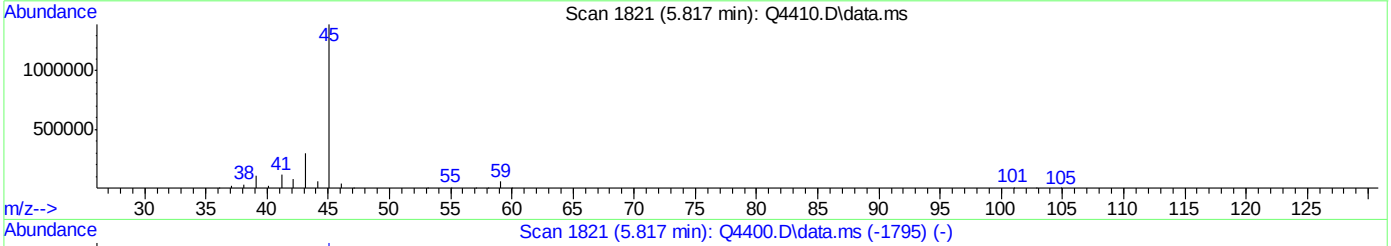
6

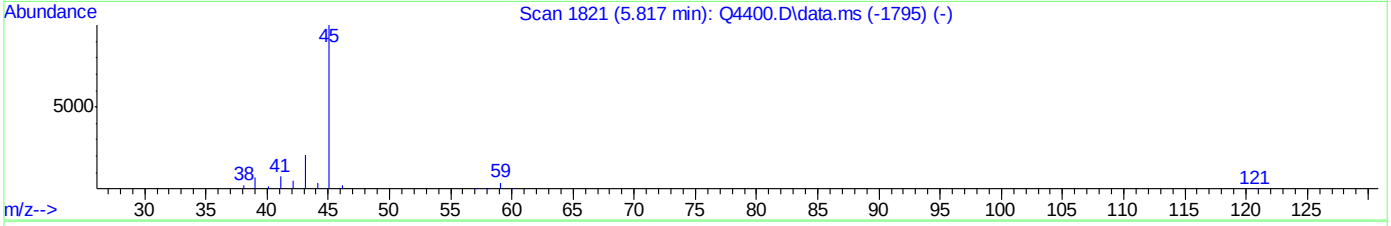
Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\
Data File : Q4410.D
Acq On : 27 Aug 2007 7:55 pm
Operator : danat
Sample : m67264-1 (m056)
Misc : MS14196, MSQ232,,,,,1
ALS Vial : 5 Sample Multiplier: 1

Quant Time: Aug 28 10:42:44 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: Q4410.D\data.ms

(11) ISOPROPYL ALCOHOL (m)

5.817min (-5.817) 0.00PPBV

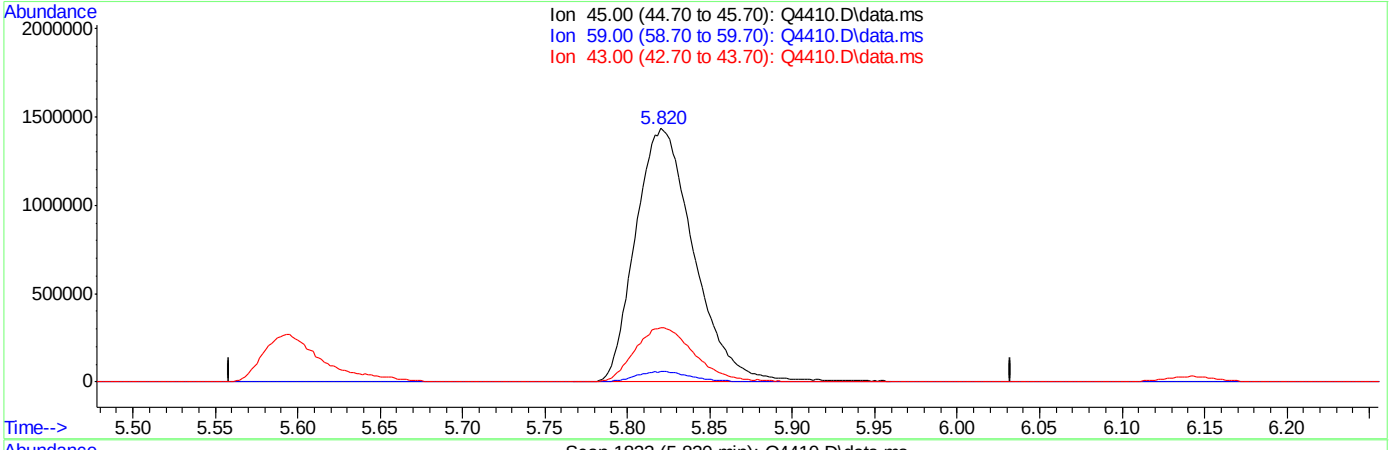
response 0

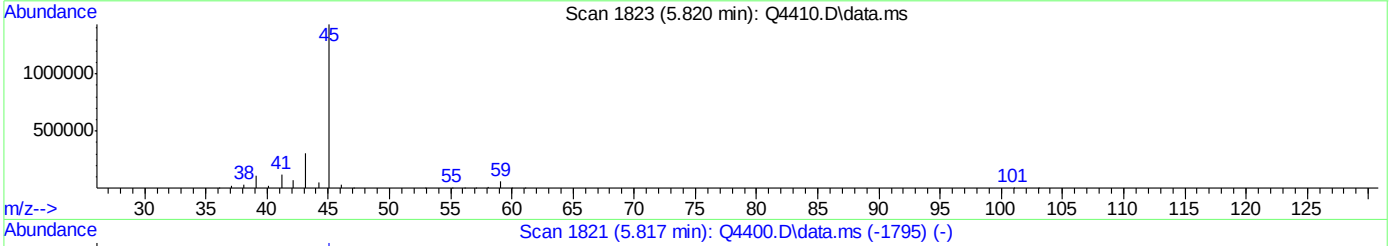
Ion	Exp%	Act%
45.00	100	0.00
59.00	3.90	0.00
43.00	21.50	0.00#
0.00	0.00	0.00

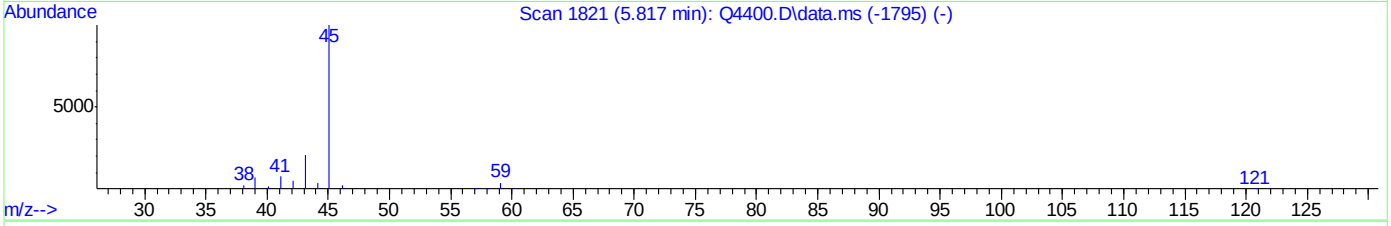
Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\
Data File : Q4410.D
Acq On : 27 Aug 2007 7:55 pm
Operator : danat
Sample : m67264-1 (m056)
Misc : MS14196, MSQ232,,,,,1
ALS Vial : 5 Sample Multiplier: 1

Quant Time: Aug 28 10:42:44 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: Q4410.D\data.ms

(11) ISOPROPYL ALCOHOL (m)

5.820min (+0.003) 92.87PPBV m

response 3542247

Ion	Exp%	Act%
45.00	100	100
59.00	3.90	4.29
43.00	21.50	21.47
0.00	0.00	0.00

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\
Data File : Q4412.D
Acq On : 27 Aug 2007 9:20 pm
Operator : danat
Sample : m67264-2 (m100)
Misc : MS14196, MSQ232,,,,,1
ALS Vial : 6 Sample Multiplier: 1

Quant Time: Aug 28 15:21:49 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	8.626	128	304013	10.00	PPBV	0.00
35) 1,4-DIFLUOROBENZENE	10.454	114	1374858	10.00	PPBV	0.00
49) CHLOROBENZENE-D5	14.698	117	897793	10.00	PPBV	0.00

System Monitoring Compounds

61) 4-BROMOFLUOROBENZENE	16.320	95	179710	4.71	PPBV	0.00

Spiked Amount 5.000 Range 57 - 139 Recovery = 94.20%

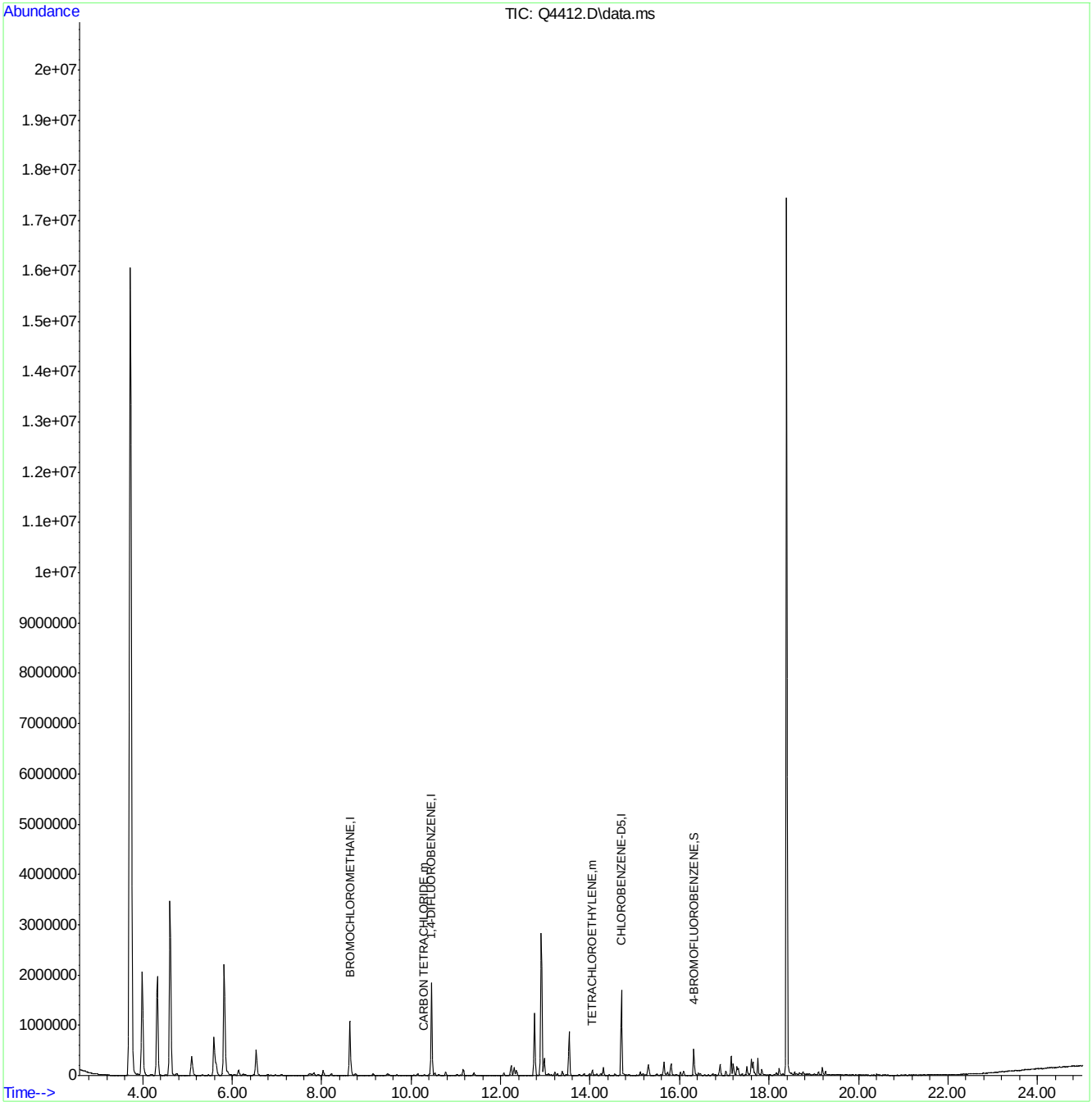
Target Compounds						Qvalue
33) CARBON TETRACHLORIDE	10.289	117	9685	0.11	PPBV	93
51) TETRACHLOROETHYLENE	14.052	164	22927	0.52	PPBV	97

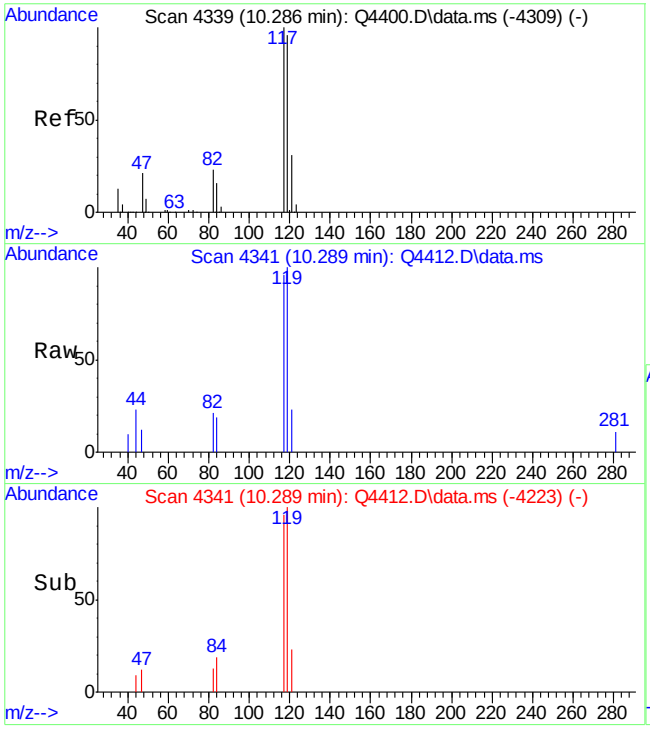
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\
Data File : Q4412.D
Acq On : 27 Aug 2007 9:20 pm
Operator : danat
Sample : m67264-2 (m100)
Misc : MS14196, MSQ232,,,,,1
ALS Vial : 6 Sample Multiplier: 1

Quant Time: Aug 28 15:21:49 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

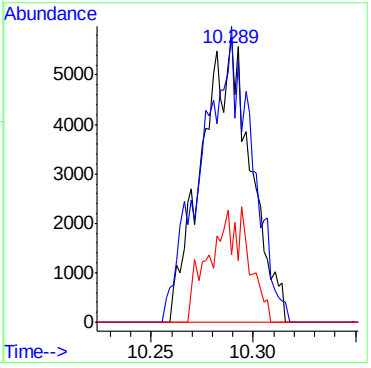


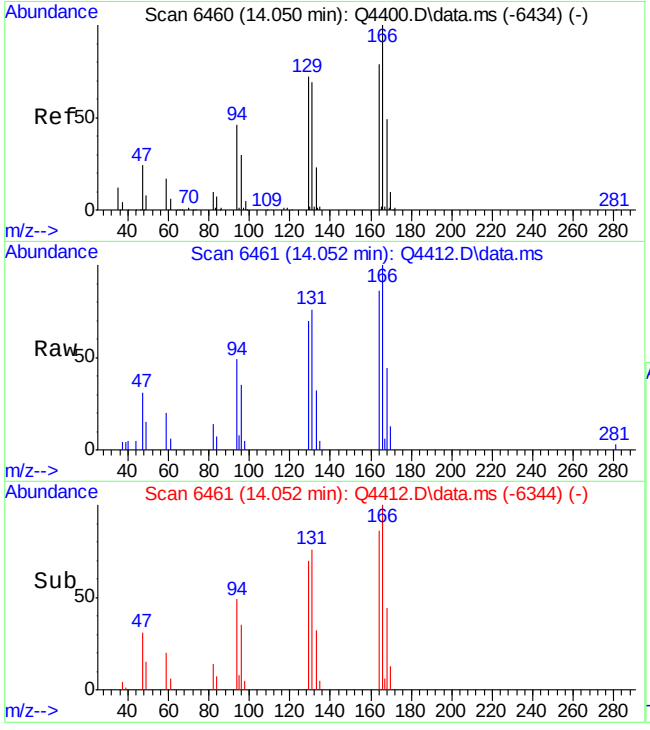


#33
CARBON TETRACHLORIDE
Concen: 0.11 PPBV
RT: 10.289 min Scan# 4341
Delta R.T. 0.003 min
Lab File: Q4412.D
Acq: 27 Aug 2007 9:20 pm

Tgt Ion:117 Resp: 9685

Ion	Ratio	Lower	Upper
117	100		
119	104.4	75.5	115.5
121	31.0	11.1	51.1

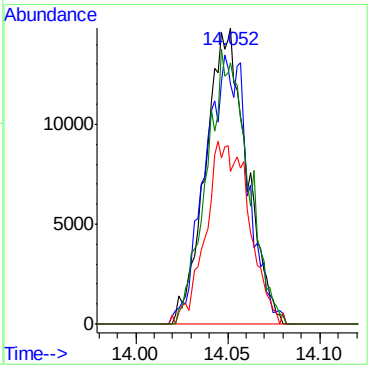




#51
TETRACHLOROETHYLENE
Concen: 0.52 PPBV
RT: 14.052 min Scan# 6461
Delta R.T. 0.002 min
Lab File: Q4412.D
Acq: 27 Aug 2007 9:20 pm

Tgt Ion:164 Resp: 22927

Ion	Ratio	Lower	Upper
164	100		
129	95.1	72.9	112.9
168	65.1	41.5	81.5
131	93.7	70.3	110.3



Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\
Data File : Q4406.D
Acq On : 27 Aug 2007 4:59 pm
Operator : danat
Sample : mb (M019)
Misc : MS14080, MSQ232,,,,,1
ALS Vial : 4 Sample Multiplier: 1

Quant Time: Aug 28 12:02:30 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	279318	10.00	PPBV	0.00
35) 1,4-DIFLUOROBENZENE	10.456	114	1257337	10.00	PPBV	0.00
49) CHLOROBENZENE-D5	14.698	117	789946	10.00	PPBV	0.00

System Monitoring Compounds

61) 4-BROMOFLUOROBENZENE	16.318	95	136569	4.07	PPBV	0.00

Spiked Amount 5.000 Range 57 - 139 Recovery = 81.40%

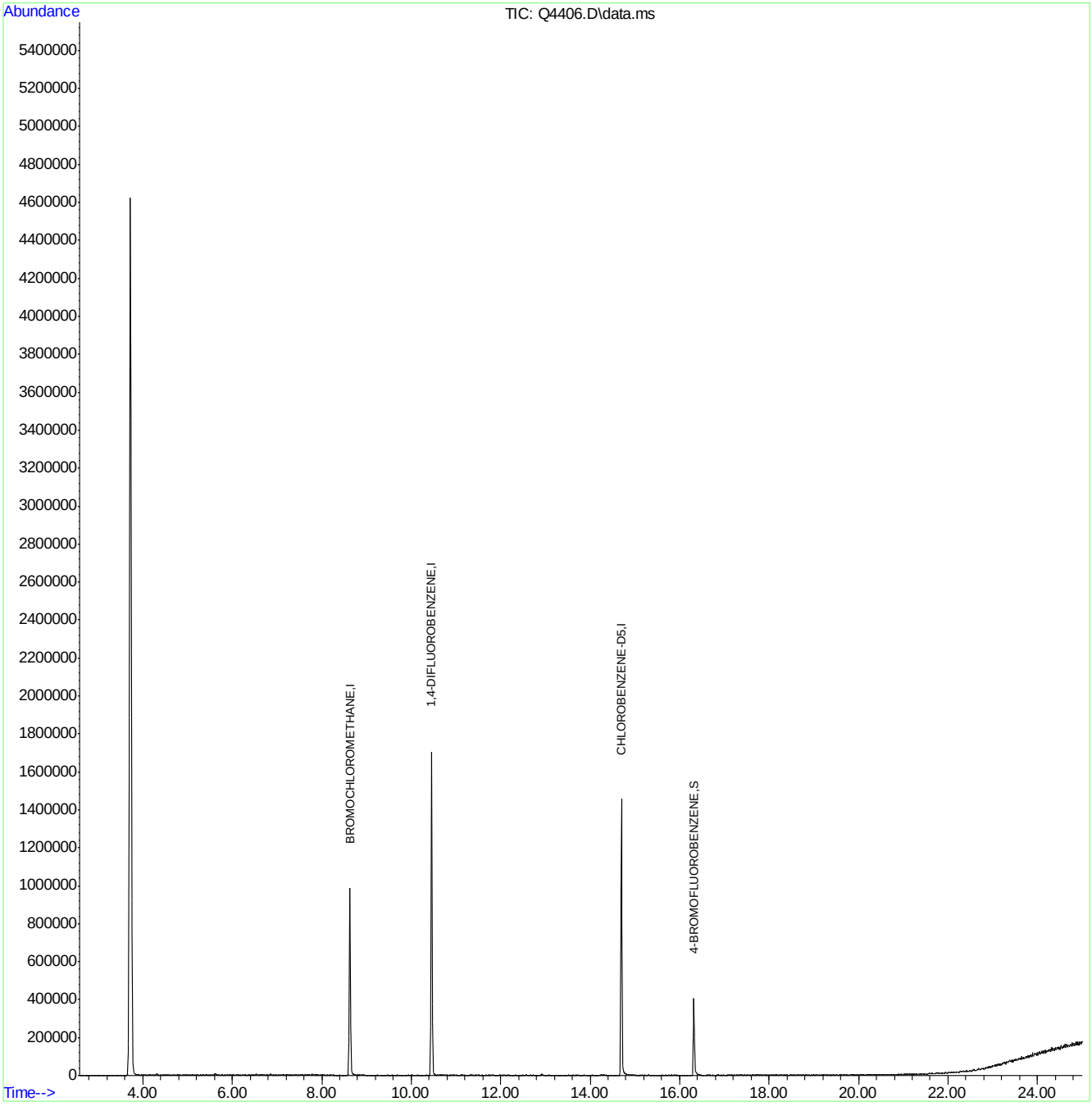
Target Compounds	Qvalue

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

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\
Data File : Q4406.D
Acq On : 27 Aug 2007 4:59 pm
Operator : danat
Sample : mb (M019)
Misc : MS14080, MSQ232,,,,,1
ALS Vial : 4 Sample Multiplier: 1

Quant Time: Aug 28 12:02:30 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 (QT Reviewed)

Data Path : C:\msdchem\1\DATA\
Data File : Q4318.D
Acq On : 17 Aug 2007 9:31 am
Operator : danat
Sample : mb (M056)
Misc : MS14080, MSQ229,,,,,1
ALS Vial : 4 Sample Multiplier: 1

Quant Time: Aug 17 14:41:49 2007
Quant Method : C:\msdchem\1\METHODS\Q081607T.m
Quant Title : TO15 by GCMS w/DB-1 60 m X .25 mm ID 1.0 um
QLast Update : Thu Aug 16 18:21:28 2007
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) BROMOCHLOROMETHANE	8.630	128	199950	10.00	PPBV	0.00
35) 1,4-DIFLUOROBENZENE	10.458	114	875503	10.00	PPBV	0.00
49) CHLOROBENZENE-D5	14.701	117	687756	10.00	PPBV	0.00

System Monitoring Compounds

61) 4-BROMOFLUOROBENZENE	16.322	95	176443	3.95	PPBV	0.00

Spiked Amount 5.000 Range 57 - 139 Recovery = 79.00%

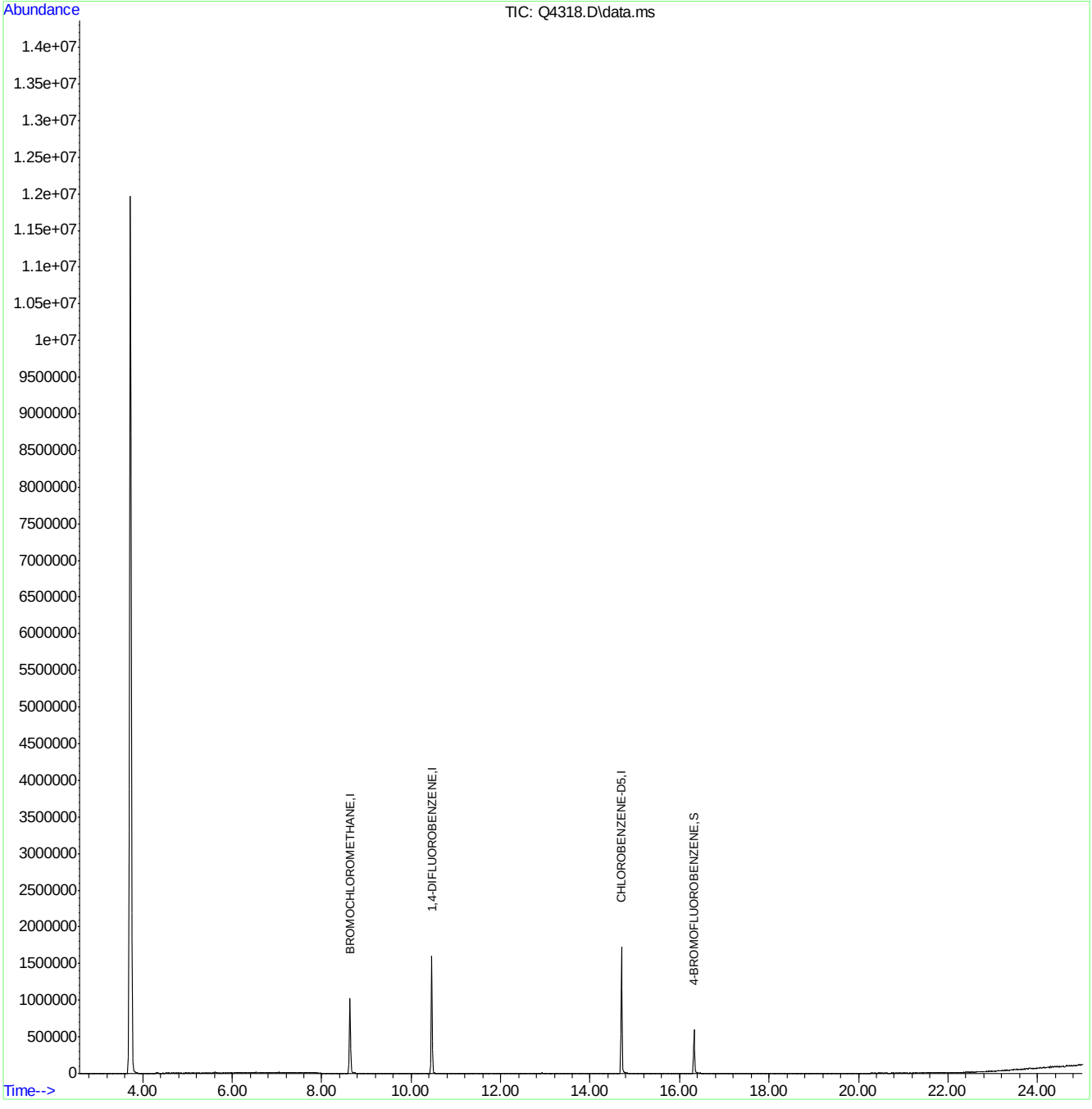
Target Compounds	Qvalue

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

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\
Data File : Q4318.D
Acq On : 17 Aug 2007 9:31 am
Operator : danat
Sample : mb (M056)
Misc : MS14080, MSQ229,,,,,1
ALS Vial : 4 Sample Multiplier: 1

Quant Time: Aug 17 14:41:49 2007
Quant Method : C:\msdchem\1\METHODS\Q081607T.m
Quant Title : TO15 by GCMS w/DB-1 60 m X .25 mm ID 1.0 um
QLast Update : Thu Aug 16 18:21:28 2007
Response via : Initial Calibration



Q081607T.m Fri Aug 17 14:41:54 2007 RPT1 Page: 2

Quantitation Report (QT Reviewed)

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

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

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

System Monitoring Compounds

61) 4-BROMOFLUOROBENZENE	16.322	95	187903	3.31	PPBV	0.00

Spiked Amount 5.000 Range 57 - 139 Recovery = 66.20%

Target Compounds	Qvalue

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

6.2.3

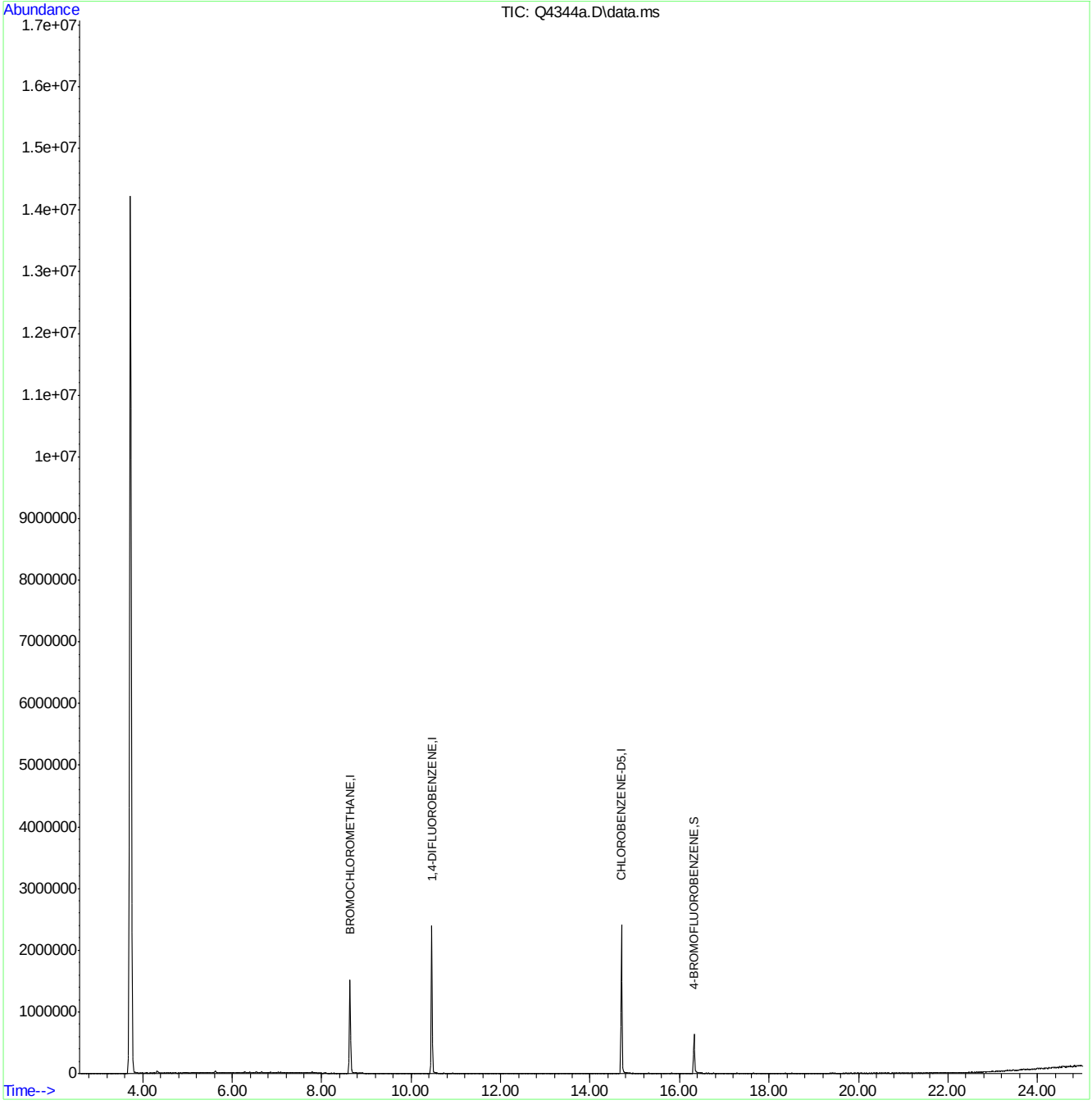
6

ACCUTEST Laboratories M67264

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

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 : Q4404b.D
Acq On : 27 Aug 2007 3:23 pm
Operator : danat
Sample : bs (M055)
Misc : MS14080, MSQ232,,,,,1
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Aug 28 11:59:53 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 : Q4404b.D
Acq On : 27 Aug 2007 3:23 pm
Operator : danat
Sample : bs (M055)
Misc : MS14080, MSQ232,,,,,1
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Aug 28 11:59:53 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

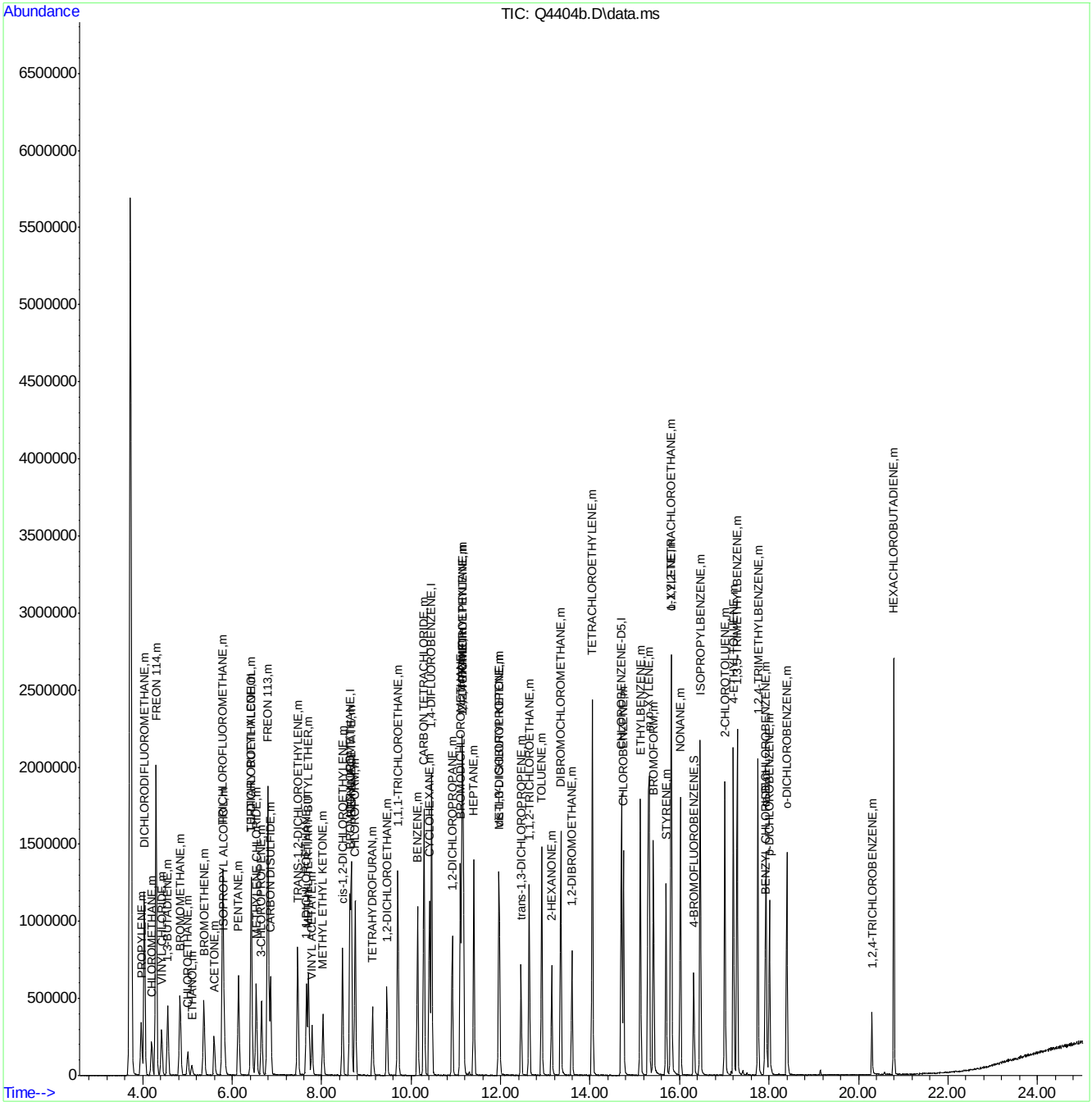
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) METHYL ISOBUTYL KETONE	11.974	43	573393	11.07	PPBV	99
45) cis-1,3-DICHLOROPROPENE	11.956	75	428617	11.41	PPBV	99
46) TOLUENE	12.918	92	577185	10.12	PPBV	100
47) trans-1,3-DICHLOROPROPENE	12.456	75	360743	9.78	PPBV	99
48) 1,1,2-TRICHLOROETHANE	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	721313m	10.10	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 : Q4404b.D
Acq On : 27 Aug 2007 3:23 pm
Operator : danat
Sample : bs (M055)
Misc : MS14080, MSQ232,,,,,1
ALS Vial : 3 Sample Multiplier: 1

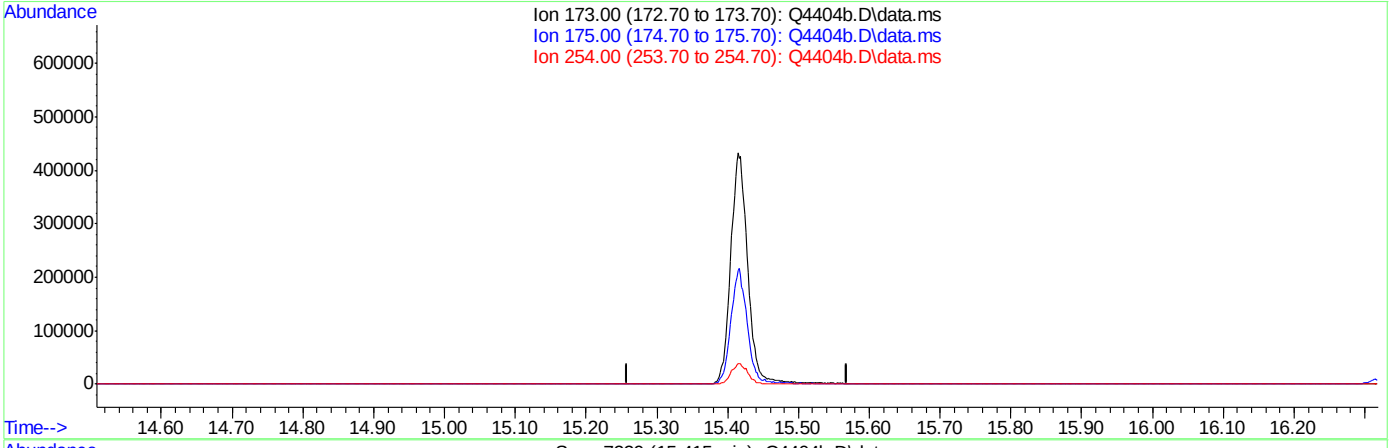
Quant Time: Aug 28 11:59:53 2007
Quant Method : C:\msdchem\1\METHODS\Q082707T.m
Quant Title : TO15 by GCMS w/DB-1 60 m X .25 mm ID 1.0 um
QLast Update : Mon Aug 27 15:05:38 2007
Response via : Initial Calibration

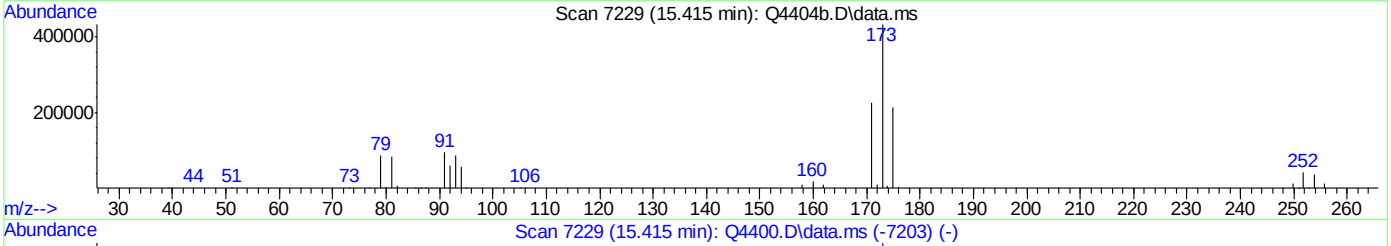


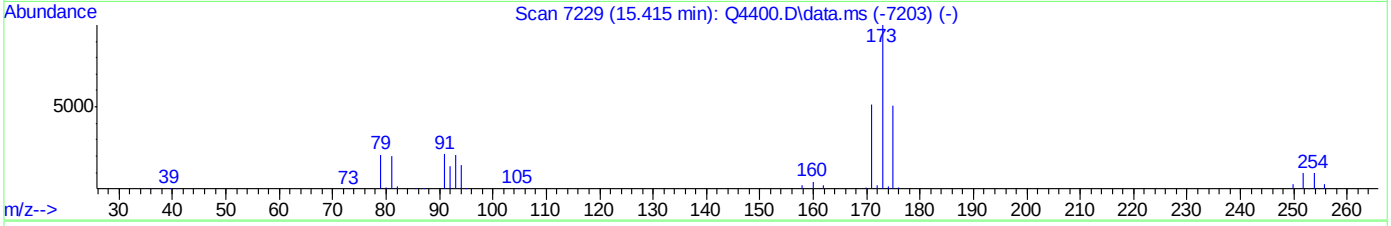
Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\
Data File : Q4404b.D
Acq On : 27 Aug 2007 3:23 pm
Operator : danat
Sample : bs (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: Q4404b.D\data.ms

(60) BROMOFORM (m)

15.414min (-15.414) 0.00PPBV

response 0

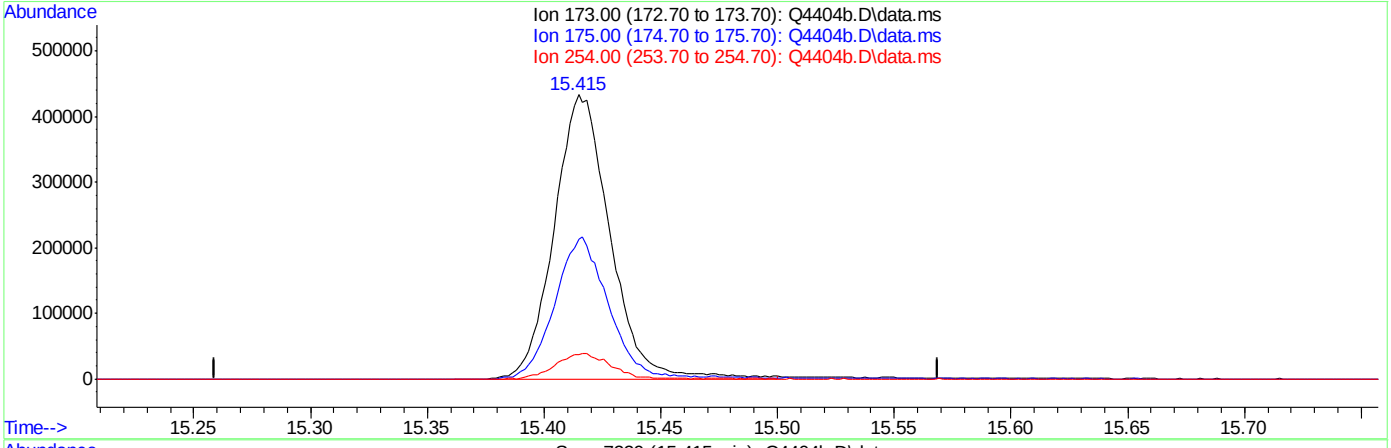
Ion	Exp%	Act%
173.00	100	0.00
175.00	48.70	0.00#
254.00	9.10	0.00
0.00	0.00	0.00

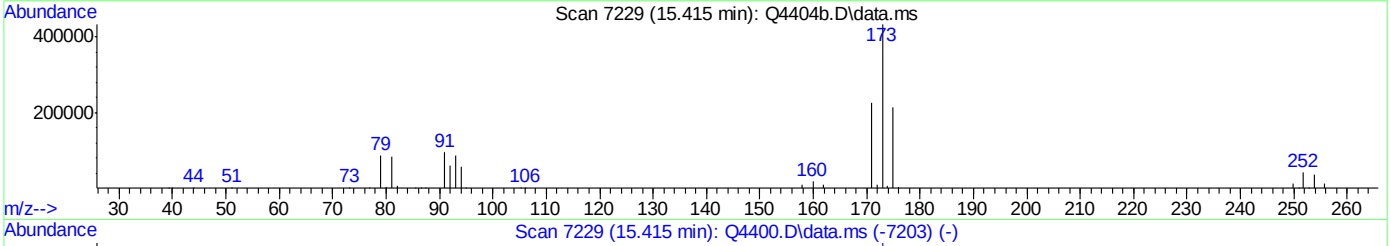
ACCUTEST Laboratories
M67264

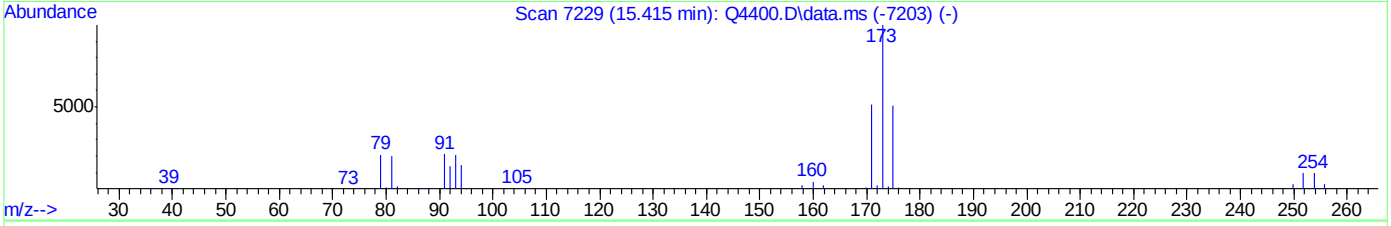
Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\
Data File : Q4404b.D
Acq On : 27 Aug 2007 3:23 pm
Operator : danat
Sample : bs (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: Q4404b.D\data.ms

(60) BROMOFORM (m)

15.415min (+0.001) 10.10PPBV m

response 721313

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 : Q4317b.D
Acq On : 17 Aug 2007 8:48 am
Operator : danat
Sample : bs (M164)
Misc : MS14080, MSQ229,,,,,1
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Aug 17 09:59:27 2007
Quant Method : C:\msdchem\1\METHODS\Q081607T.m
Quant Title : TO15 by GCMS w/DB-1 60 m X .25 mm ID 1.0 um
QLast Update : Thu Aug 16 18:21:28 2007
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) BROMOCHLOROMETHANE	8.628	128	177633	10.00	PPBV	0.00
35) 1,4-DIFLUOROBENZENE	10.456	114	702030	10.00	PPBV	0.00
49) CHLOROBENZENE-D5	14.698	117	560597	10.00	PPBV	0.00
System Monitoring Compounds						
61) 4-BROMOFLUOROBENZENE	16.320	95	219893	6.04	PPBV	0.00
Spiked Amount 5.000	Range 57 - 139		Recovery = 120.80%			
Target Compounds						Qvalue
2) DICHLORODIFLUOROMETHANE	4.037	85	1037497	9.41	PPBV	98
3) PROPYLENE	3.966	41	262682	12.59	PPBV	97
4) FREON 114	4.296	85	981712	10.03	PPBV	99
5) CHLOROMETHANE	4.200	50	343927	11.00	PPBV	95
6) VINYL CHLORIDE	4.420	62	364568	11.66	PPBV	100
7) 1,3-BUTADIENE	4.553	39	310637	10.07	PPBV	93
8) BROMOMETHANE	4.830	94	302133	10.33	PPBV	100
9) CHLOROETHANE	5.004	64	140334	10.56	PPBV	97
10) TRICHLOROFLUOROMETHANE	5.787	101	887338	8.53	PPBV	100
11) ISOPROPYL ALCOHOL	5.820	45	492345	9.72	PPBV	92
12) ACETONE	5.595	43	487376	8.09	PPBV	97
13) PENTANE	6.140	42	381584	9.03	PPBV	97
14) 1,1-DICHLOROETHYLENE	6.424	96	283099	9.52	PPBV	91
15) CARBON DISULFIDE	6.852	76	991143	9.19	PPBV	96
16) ETHANOL	5.094	45	85620	8.32	PPBV	94
17) BROMOETHENE	5.364	106	266647	10.39	PPBV #	96
18) METHYLENE CHLORIDE	6.536	84	268392	10.51	PPBV	94
19) 3-CHLOROPROPENE	6.653	39	336947	10.17	PPBV	95
20) FREON 113	6.791	151	419973	8.15	PPBV	98
21) TRANS-1,2-DICHLOROETHY...	7.464	96	274052	9.72	PPBV	94
22) TERTIARY BUTYL ALCOHOL	6.426	59	528634	10.05	PPBV	96
23) METHYL TERTIARY BUTYL ...	7.703	73	570049	10.13	PPBV	98
24) TETRAHYDROFURAN	9.134	42	205482	11.63	PPBV	95
25) HEXANE	8.662	57	352493	7.32	PPBV	96
26) VINYL ACETATE	7.785	43	553271	10.65	PPBV	93
27) 1,1-DICHLOROETHANE	7.657	63	605444	9.08	PPBV	100
28) METHYL ETHYL KETONE	8.025	43	454104	10.14	PPBV	99
29) cis-1,2-DICHLOROETHYLENE	8.465	96	226100	11.59	PPBV	95
30) ETHYL ACETATE	8.660	43	790424	8.26	PPBV	99
31) CHLOROFORM	8.749	83	660988	9.08	PPBV	97
32) 1,1,1-TRICHLOROETHANE	9.704	97	634397	8.99	PPBV	98
33) CARBON TETRACHLORIDE	10.284	117	680861	8.48	PPBV	99
34) 1,2-DICHLOROETHANE	9.457	62	441072	9.96	PPBV	100
36) BENZENE	10.144	78	649723	13.50	PPBV	98
37) CYCLOHEXANE	10.408	84	266850	12.75	PPBV	90
38) TRICHLOROETHYLENE	11.138	95	371605	12.25	PPBV	98
39) 1,2-DICHLOROPROPANE	10.918	63	233771	11.09	PPBV	99
40) BROMODICHLOROMETHANE	11.100	83	605994	10.62	PPBV	100
41) 2,2,4-TRIMETHYLPENTANE	11.164	57	1238914	13.17	PPBV	100
42) 1,4-DIOXANE	11.125	88	108341	11.71	PPBV #	82
43) HEPTANE	11.402	43	448491	12.60	PPBV	98

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\
Data File : Q4317b.D
Acq On : 17 Aug 2007 8:48 am
Operator : danat
Sample : bs (M164)
Misc : MS14080, MSQ229,,,,,1
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Aug 17 09:59:27 2007
Quant Method : C:\msdchem\1\METHODS\Q081607T.m
Quant Title : TO15 by GCMS w/DB-1 60 m X .25 mm ID 1.0 um
QLast Update : Thu Aug 16 18:21:28 2007
Response via : Initial Calibration

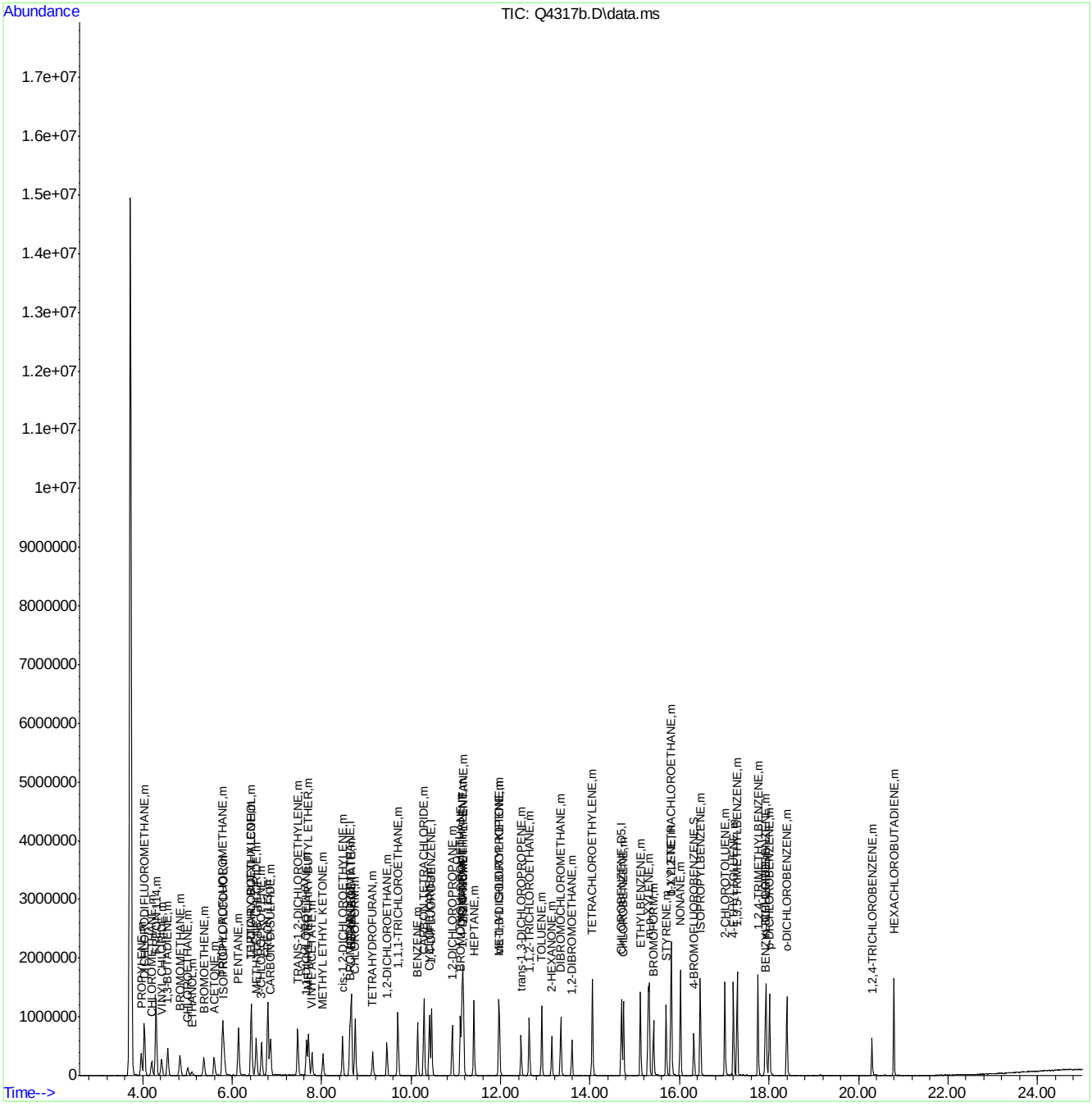
Internal Standards	R.T.	QIon	Response	Conc Units	Dev(Min)
44) METHYL ISOBUTYL KETONE	11.974	43	525653	12.85 PPBV	97
45) cis-1,3-DICHLOROPROPENE	11.958	75	355374	15.55 PPBV	91
46) TOLUENE	12.919	92	397589	11.38 PPBV	97
47) trans-1,3-DICHLOROPROPENE	12.456	75	273367	16.76 PPBV	96
48) 1,1,2-TRICHLOROETHANE	12.639	83	230311	11.42 PPBV	98
50) 2-HEXANONE	13.141	43	412980	14.18 PPBV	96
51) TETRACHLOROETHYLENE	14.052	164	287105	12.09 PPBV	98
52) DIBROMOCHLOROMETHANE	13.344	129	449902	10.98 PPBV	98
53) 1,2-DIBROMOETHANE	13.594	107	355518	14.14 PPBV	98
54) CHLOROBENZENE	14.744	112	539539	13.25 PPBV	97
55) ETHYLBENZENE	15.124	91	857010	14.26 PPBV	98
56) m,p-XYLENE	15.319	106	615791	27.97 PPBV	92
57) o-XYLENE	15.816	106	330392	14.23 PPBV	95
58) STYRENE	15.697	104	457281	18.76 PPBV	96
59) NONANE	16.020	43	630231	13.64 PPBV	98
60) BROMOFORM	15.417	173	378763	12.16 PPBV	99
62) 1,1,2,2-TETRACHLOROETHANE	15.807	83	582242	11.61 PPBV	98
63) ISOPROPYLBENZENE	16.462	105	975234	14.29 PPBV	98
64) 2-CHLOROTOLUENE	17.012	91	781025	15.35 PPBV	96
65) 4-ETHYLTOLUENE	17.204	105	843455	14.82 PPBV	99
66) 1,3,5-TRIMETHYLBENZENE	17.287	105	838538	14.65 PPBV	96
67) 1,2,4-TRIMETHYLBENZENE	17.752	105	785673	15.40 PPBV	97
68) m-DICHLOROBENZENE	17.935	146	481427	22.47 PPBV	98
69) BENZYL CHLORIDE	17.912	91	487116	25.70 PPBV	99
70) p-DICHLOROBENZENE	18.009	146	456418	26.83 PPBV	98
71) o-DICHLOROBENZENE	18.396	146	434281	19.80 PPBV	99
72) HEXACHLOROBUTADIENE	20.792	225	229131	14.78 PPBV	100
73) 1,2,4-TRICHLOROBENZENE	20.301	180	142916	37.35 PPBV	97

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

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\
Data File : Q4317b.D
Acq On : 17 Aug 2007 8:48 am
Operator : danat
Sample : bs (M164)
Misc : MS14080, MSQ229,,,,,1
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Aug 17 09:59:27 2007
Quant Method : C:\msdchem\1\METHODS\Q081607T.m
Quant Title : TO15 by GCMS w/DB-1 60 m X .25 mm ID 1.0 um
QLast Update : Thu Aug 16 18:21:28 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

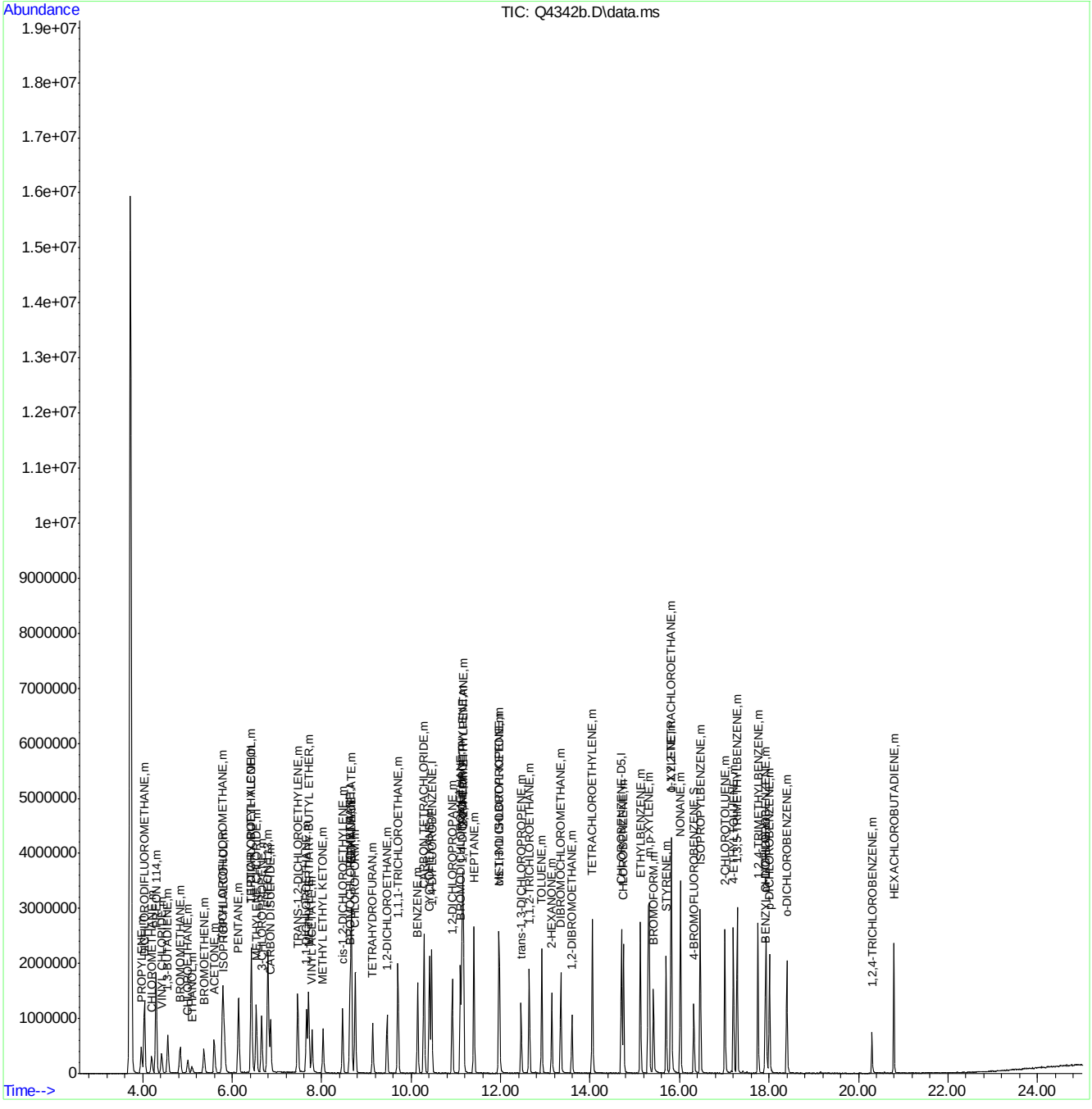
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) METHYL ISOBUTYL KETONE	11.972	43	1162331	12.00	PPBV	100
45) cis-1,3-DICHLOROPROPENE	11.958	75	612581	13.57	PPBV	94
46) TOLUENE	12.918	92	681659	9.90	PPBV	100
47) trans-1,3-DICHLOROPROPENE	12.458	75	456142	15.37	PPBV	99
48) 1,1,2-TRICHLOROETHANE	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
M67264

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 : Q4411.D
Acq On : 27 Aug 2007 8:38 pm
Operator : danat
Sample : m67264-1dup (m056)
Misc : MS14196, MSQ232,,,,,1
ALS Vial : 5 Sample Multiplier: 1

Quant Time: Aug 28 15:20:08 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	8.626	128	299558	10.00	PPBV	0.00
35) 1,4-DIFLUOROBENZENE	10.454	114	1360811	10.00	PPBV	0.00
49) CHLOROBENZENE-D5	14.696	117	891529m	10.00	PPBV	0.00

System Monitoring Compounds

61) 4-BROMOFLUOROBENZENE	16.320	95	178102	4.70	PPBV	0.00

Spiked Amount 5.000 Range 57 - 139 Recovery = 94.00%

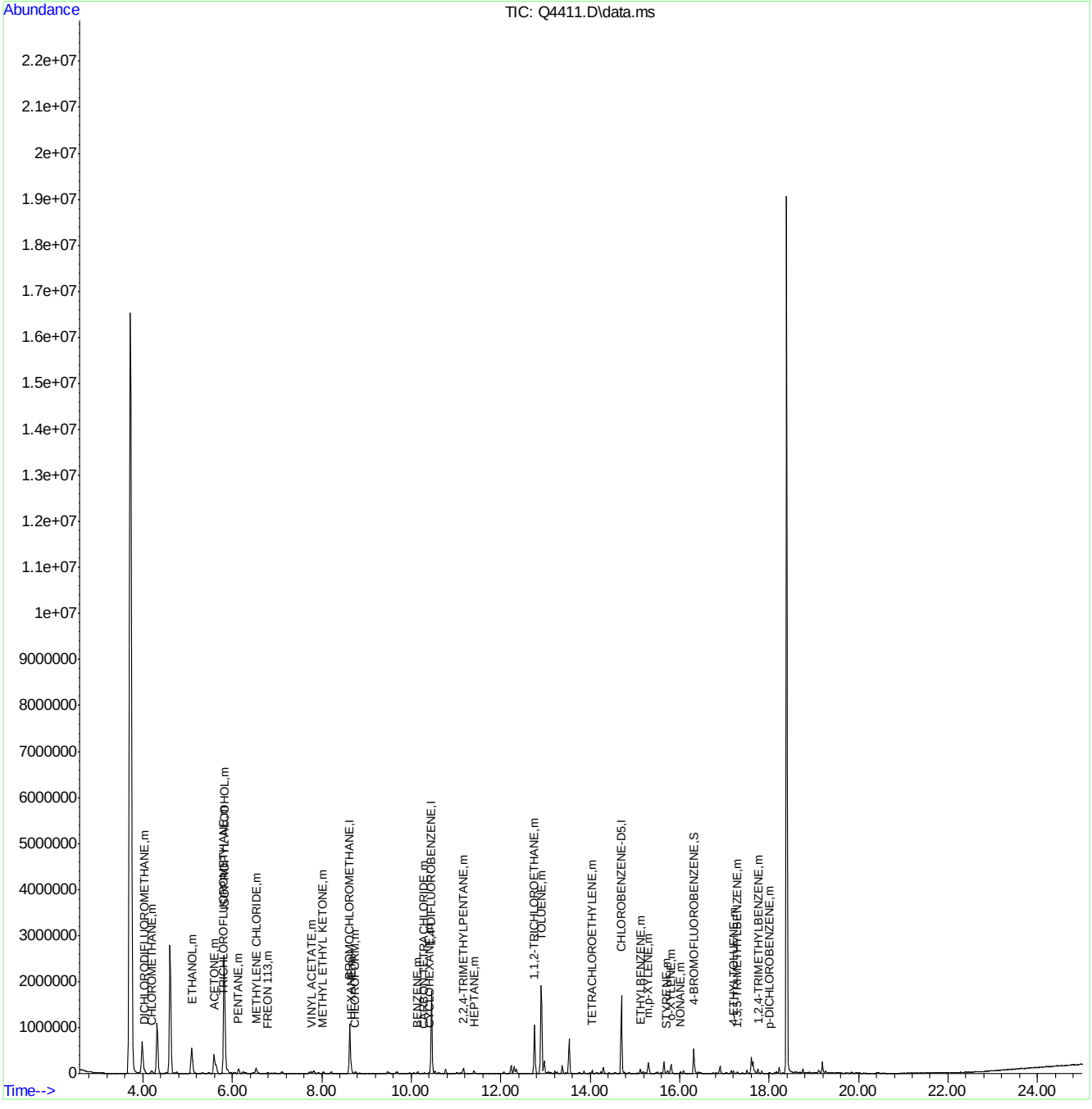
Target Compounds						Qvalue
2) DICHLORODIFLUOROMETHANE	4.035	85	71669	0.53	PPBV	99
5) CHLOROMETHANE	4.200	50	77130	2.71	PPBV	91
10) TRICHLOROFLUOROMETHANE	5.787	101	32693	0.25	PPBV	97
11) ISOPROPYL ALCOHOL	5.819	45	4036397	105.69	PPBV	99
12) ACETONE	5.591	43	681334	19.32	PPBV	96
13) PENTANE	6.145	42	46539	1.65	PPBV	97
16) ETHANOL	5.094	45	845294	106.61	PPBV	99
18) METHYLENE CHLORIDE	6.536	84	63689	1.76	PPBV	98
20) FREON 113	6.798	151	8025	0.11	PPBV	97
25) HEXANE	8.663	57	36643	0.83	PPBV	90
26) VINYL ACETATE	7.765	43	54631	1.31	PPBV	97
28) METHYL ETHYL KETONE	8.035	43	49182	1.12	PPBV	99
31) CHLOROFORM	8.750	83	31275	0.42	PPBV	96
33) CARBON TETRACHLORIDE	10.284	117	10479	0.12	PPBV	99
36) BENZENE	10.144	78	30334	0.43	PPBV	99
37) CYCLOHEXANE	10.408	84	9605	0.29	PPBV	98
41) 2,2,4-TRIMETHYLPENTANE	11.166	57	83289	0.74	PPBV	89
43) HEPTANE	11.402	43	18040	0.47	PPBV	93
46) TOLUENE	12.918	92	367559	7.23	PPBV	99
48) 1,1,2-TRICHLOROETHANE	12.761	83	6781	0.27	PPBV #	50
51) TETRACHLOROETHYLENE	14.050	164	15040	0.34	PPBV	95
55) ETHYLBENZENE	15.122	91	58068	0.60	PPBV	98
56) m,p-XYLENE	15.299	106	74884	2.44	PPBV	85
57) o-XYLENE	15.816	106	26142	0.94	PPBV	99
58) STYRENE	15.697	104	5130	0.55	PPBV	95
59) NONANE	16.022	43	14052	0.30	PPBV #	57
65) 4-ETHYLTOLUENE	17.202	105	18777	0.64	PPBV	99
66) 1,3,5-TRIMETHYLBENZENE	17.287	105	12556	0.54	PPBV	96
67) 1,2,4-TRIMETHYLBENZENE	17.750	105	46222	0.95	PPBV	99
70) p-DICHLOROBENZENE	18.004	146	3821	0.47	PPBV	87

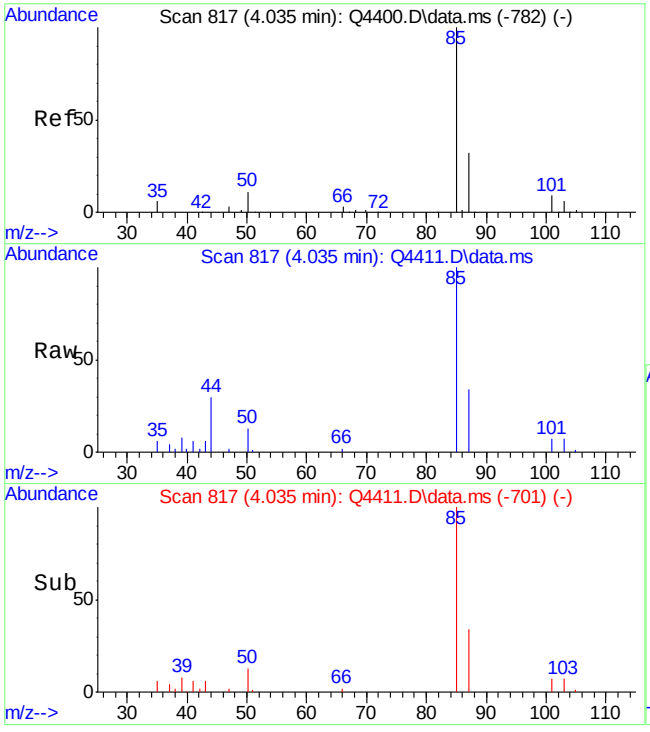
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\
Data File : Q4411.D
Acq On : 27 Aug 2007 8:38 pm
Operator : danat
Sample : m67264-1dup (m056)
Misc : MS14196, MSQ232,,,,,1
ALS Vial : 5 Sample Multiplier: 1

Quant Time: Aug 28 15:20:08 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

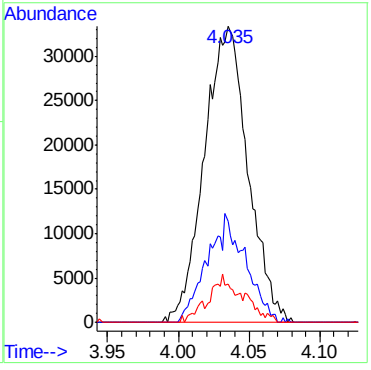


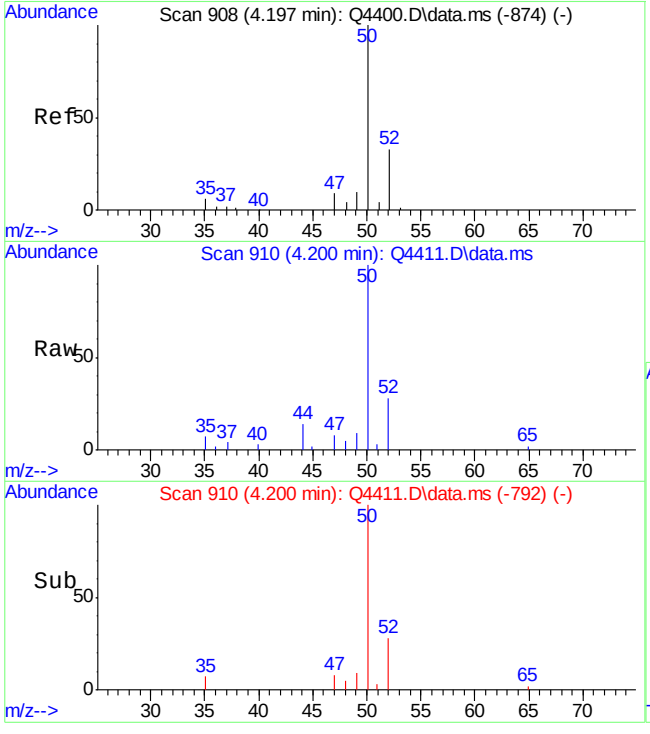


#2
DICHLORODIFLUOROMETHANE
Concen: 0.53 PPBV
RT: 4.035 min Scan# 817
Delta R.T. -0.000 min
Lab File: Q4411.D
Acq: 27 Aug 2007 8:38 pm

Tgt Ion: 85 Resp: 71669

Ion	Ratio	Lower	Upper
85	100		
87	32.2	12.1	52.1
50	12.8	0.0	31.5

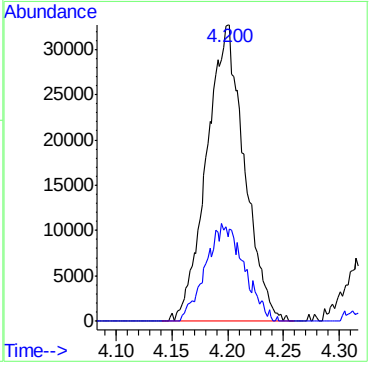


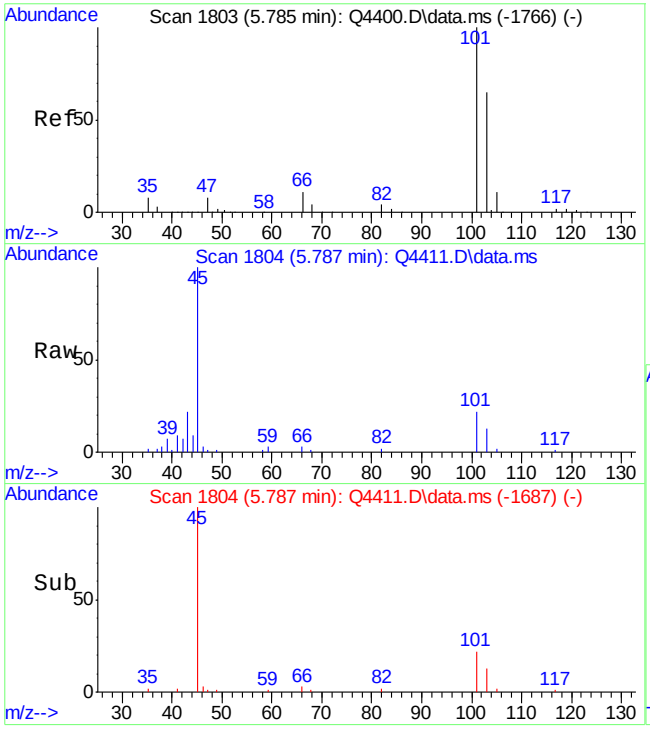


#5
CHLOROMETHANE
Concen: 2.71 PPBV
RT: 4.200 min Scan# 910
Delta R.T. 0.003 min
Lab File: Q4411.D
Acq: 27 Aug 2007 8:38 pm

Tgt Ion: 50 Resp: 77130

Ion	Ratio	Lower	Upper
50	100		
52	28.4	13.4	53.4

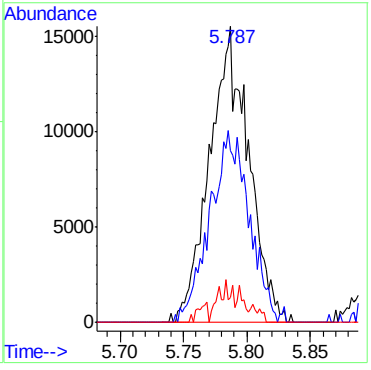


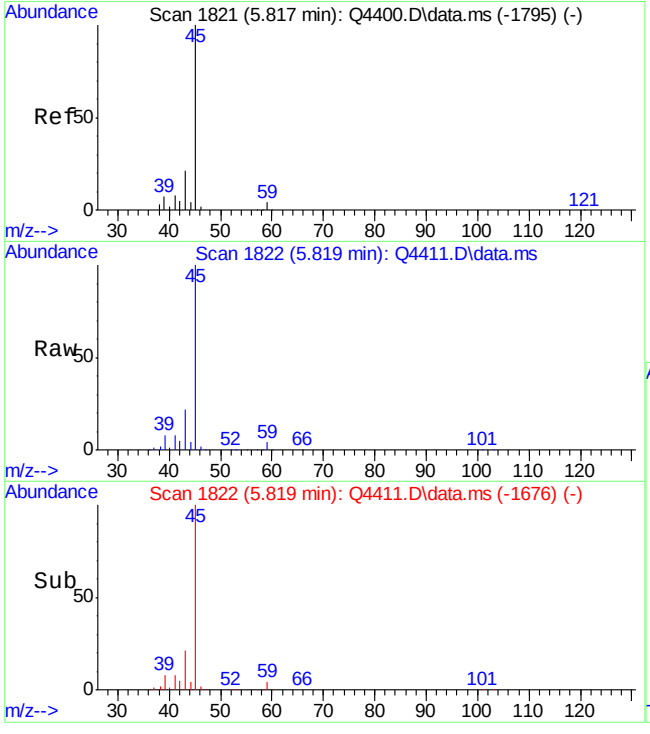


#10
TRICHLOROFLUOROMETHANE
Concen: 0.25 PPBV
RT: 5.787 min Scan# 1804
Delta R.T. 0.002 min
Lab File: Q4411.D
Acq: 27 Aug 2007 8:38 pm

Tgt Ion:101 Resp: 32693

Ion	Ratio	Lower	Upper
101	100		
103	65.6	45.2	85.2
105	2.8	0.0	30.5

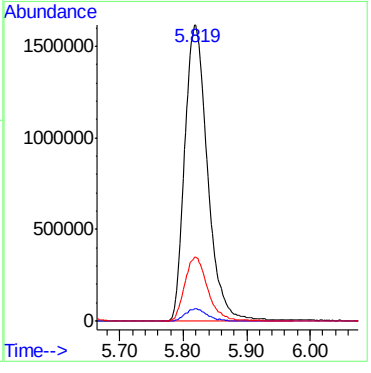


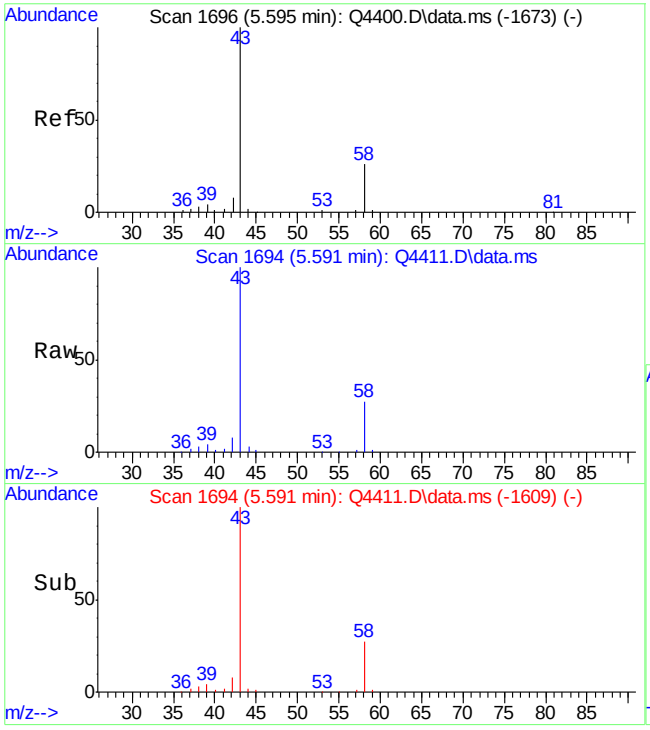


#11
ISOPROPYL ALCOHOL
Concen: 105.69 PPBV
RT: 5.819 min Scan# 1822
Delta R.T. 0.002 min
Lab File: Q4411.D
Acq: 27 Aug 2007 8:38 pm

Tgt Ion: 45 Resp: 4036397

Ion	Ratio	Lower	Upper
45	100		
59	4.1	0.0	23.9
43	21.7	1.5	41.5

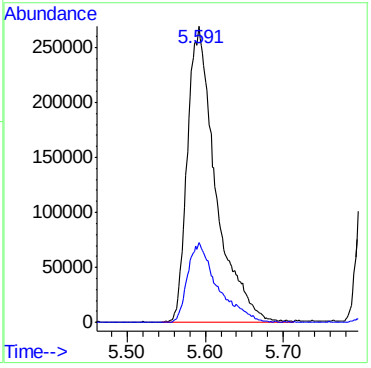


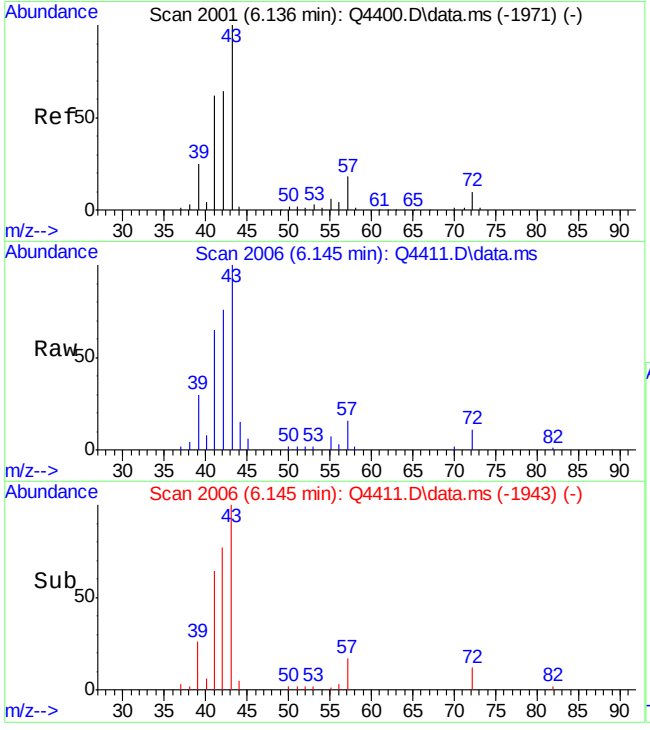


#12
ACETONE
Concen: 19.32 PPBV
RT: 5.591 min Scan# 1694
Delta R.T. -0.004 min
Lab File: Q4411.D
Acq: 27 Aug 2007 8:38 pm

Tgt Ion: 43 Resp: 681334

Ion	Ratio	Lower	Upper
43	100		
58	28.3	6.3	46.3

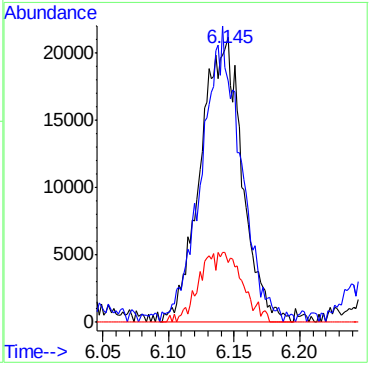




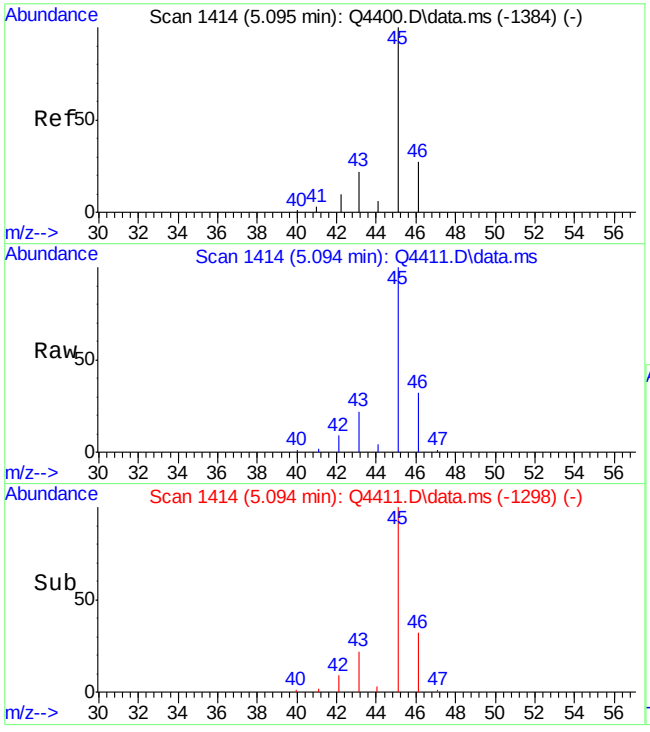
#13
PENTANE
Concen: 1.65 PPBV
RT: 6.145 min Scan# 2006
Delta R.T. 0.009 min
Lab File: Q4411.D
Acq: 27 Aug 2007 8:38 pm

Tgt Ion: 42 Resp: 46539

Ion	Ratio	Lower	Upper
42	100		
41	98.4	80.4	120.4
57	25.3	7.7	47.7



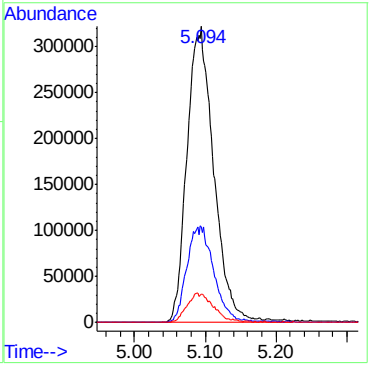
ACCUTEST Laboratories M67264

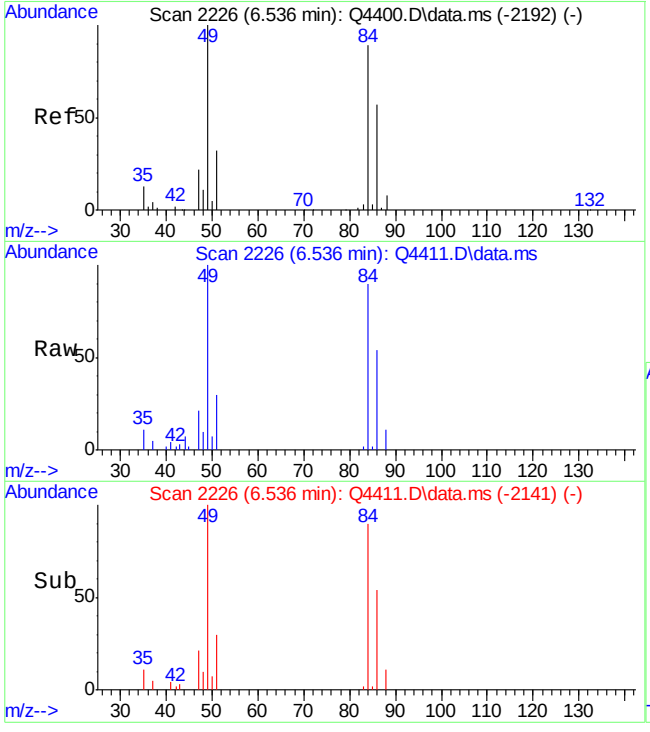


#16
ETHANOL
Concen: 106.61 PPBV
RT: 5.094 min Scan# 1414
Delta R.T. 0.000 min
Lab File: Q4411.D
Acq: 27 Aug 2007 8:38 pm

Tgt Ion: 45 Resp: 845294

Ion	Ratio	Lower	Upper
45	100		
46	32.9	12.8	52.8
42	9.8	0.0	30.7

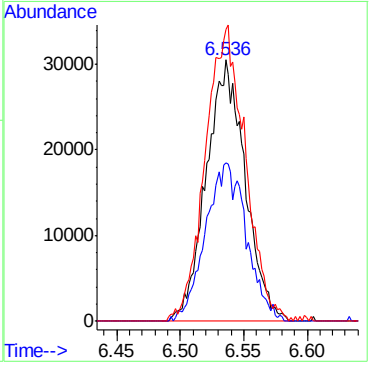


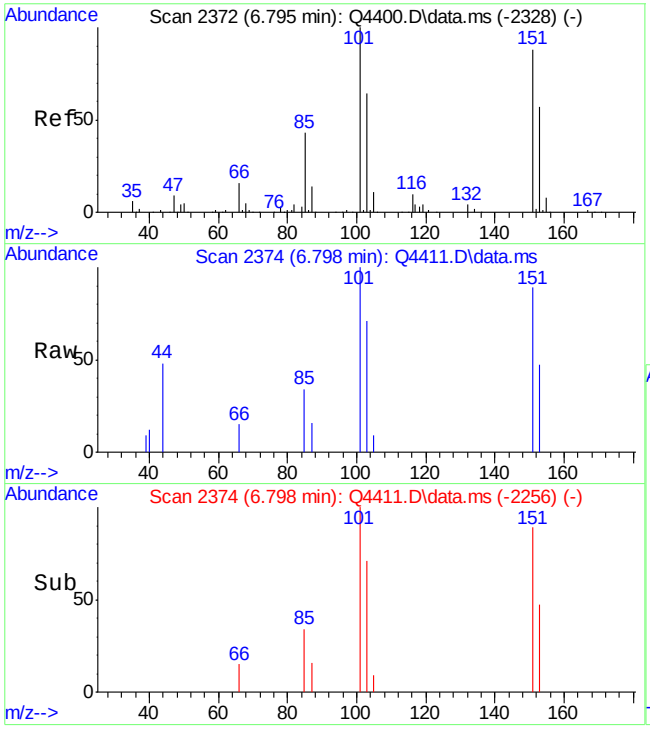


#18
METHYLENE CHLORIDE
Concen: 1.76 PPBV
RT: 6.536 min Scan# 2226
Delta R.T. 0.001 min
Lab File: Q4411.D
Acq: 27 Aug 2007 8:38 pm

Tgt Ion: 84 Resp: 63689

Ion	Ratio	Lower	Upper
84	100		
86	63.9	45.3	85.3
49	116.3	0.0	314.4

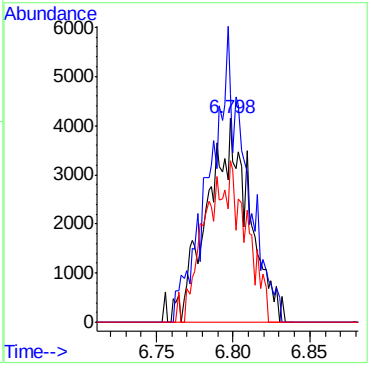


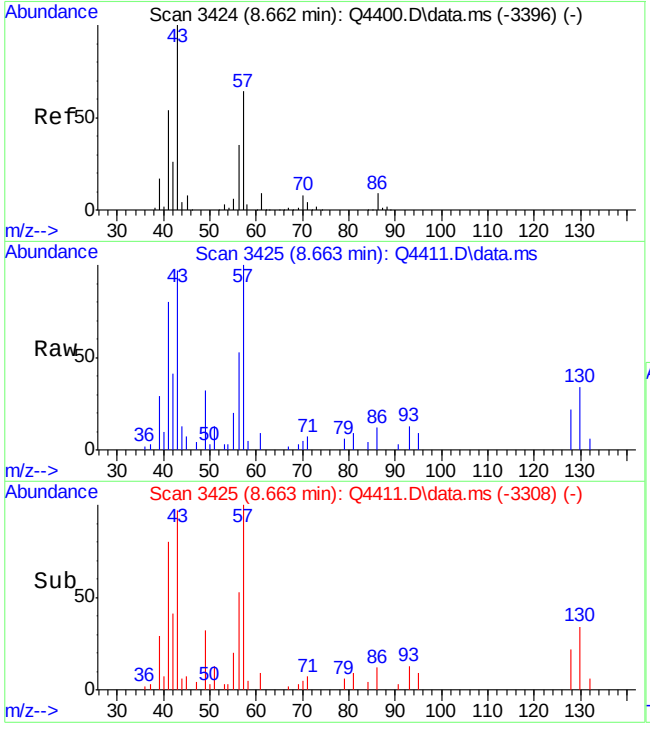


#20
FREON 113
Concen: 0.11 PPBV
RT: 6.798 min Scan# 2374
Delta R.T. 0.003 min
Lab File: Q4411.D
Acq: 27 Aug 2007 8:38 pm

Tgt Ion:151 Resp: 8025

Ion	Ratio	Lower	Upper
151	100		
101	121.5	95.9	135.9
103	75.2	54.7	94.7

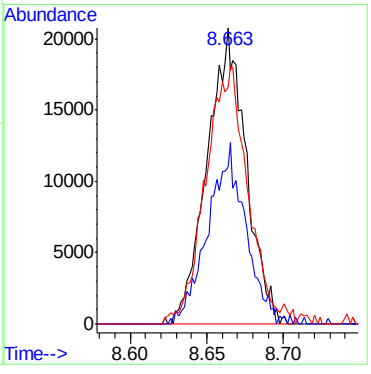


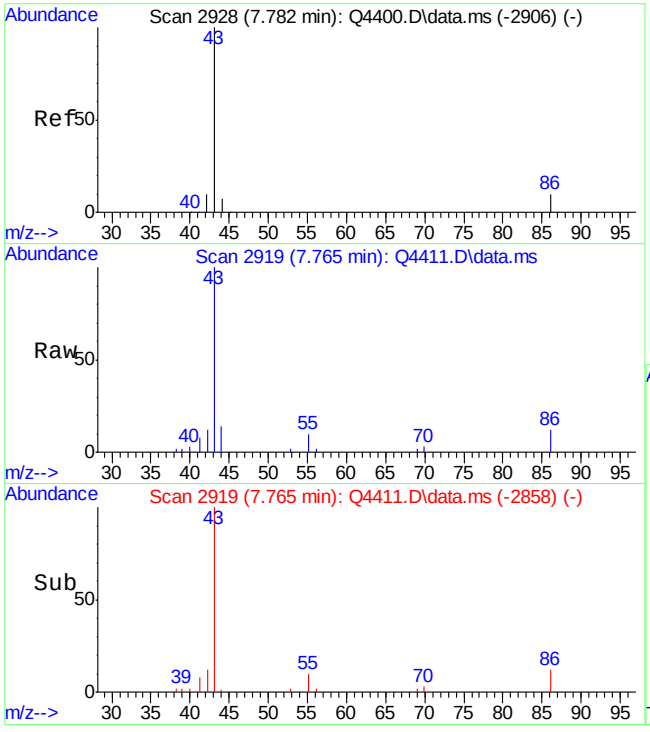


#25
HEXANE
Concen: 0.83 PPBV
RT: 8.663 min Scan# 3425
Delta R.T. 0.002 min
Lab File: Q4411.D
Acq: 27 Aug 2007 8:38 pm

Tgt Ion: 57 Resp: 36643

Ion	Ratio	Lower	Upper
57	100		
56	59.2	34.7	74.7
41	96.1	64.6	104.6

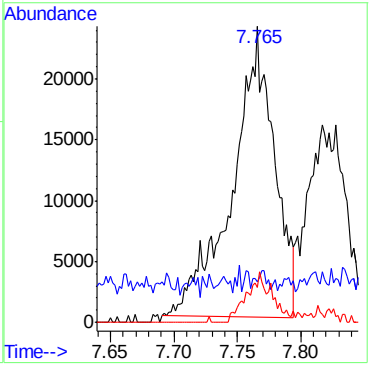


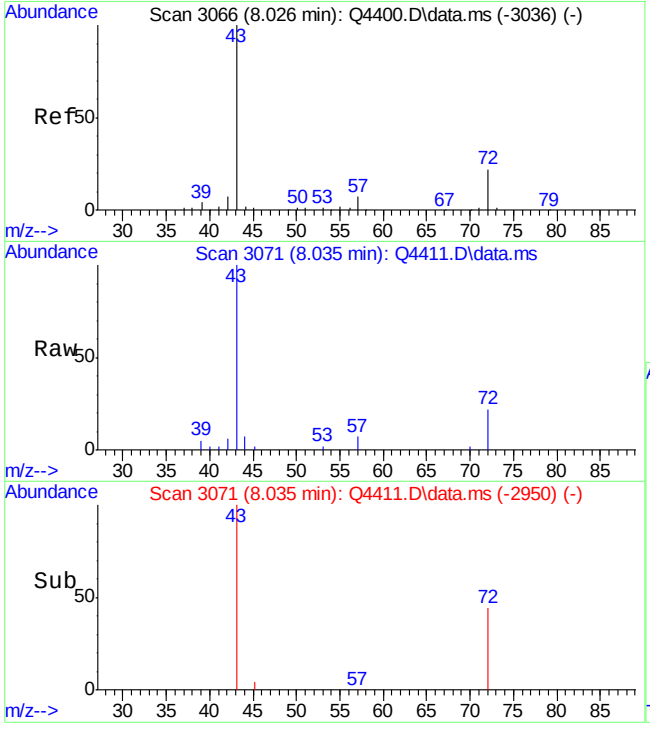


#26
VINYL ACETATE
Concen: 1.31 PPBV
RT: 7.765 min Scan# 2919
Delta R.T. -0.016 min
Lab File: Q4411.D
Acq: 27 Aug 2007 8:38 pm

Tgt Ion: 43 Resp: 54631

Ion	Ratio	Lower	Upper
43	100		
44	5.0	0.0	26.5
86	10.3	0.0	29.3

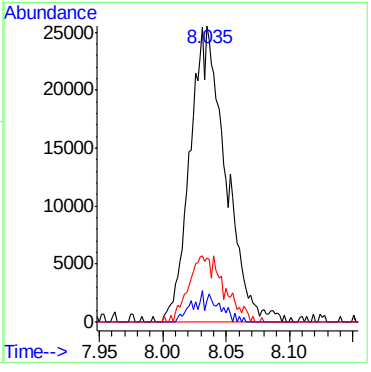


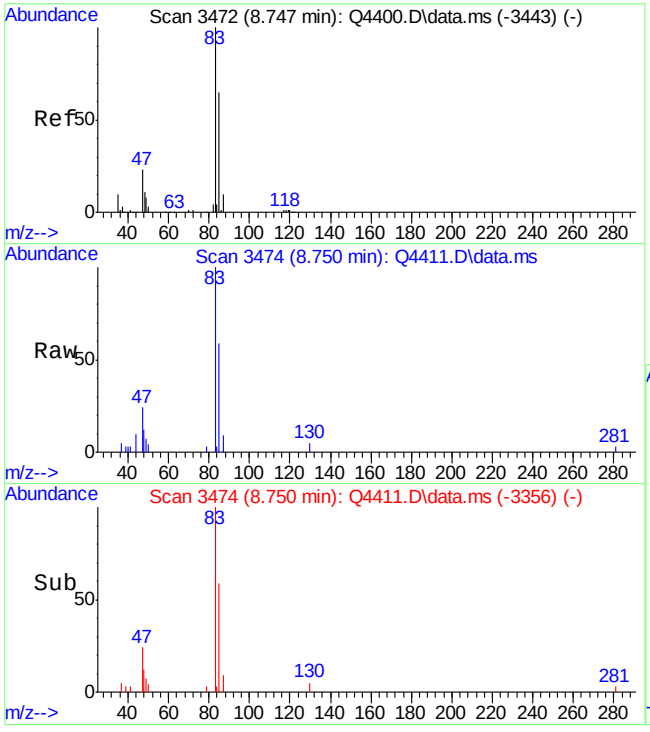


#28
METHYL ETHYL KETONE
Concen: 1.12 PPBV
RT: 8.035 min Scan# 3071
Delta R.T. 0.009 min
Lab File: Q4411.D
Acq: 27 Aug 2007 8:38 pm

Tgt Ion: 43 Resp: 49182

Ion	Ratio	Lower	Upper
43	100		
57	7.4	0.0	26.7
72	21.6	2.2	42.2

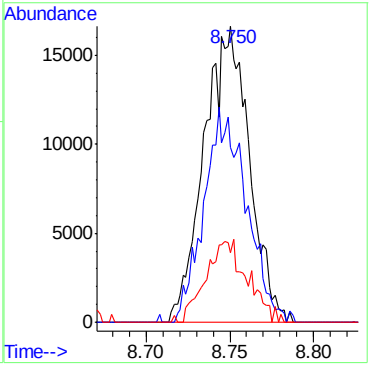


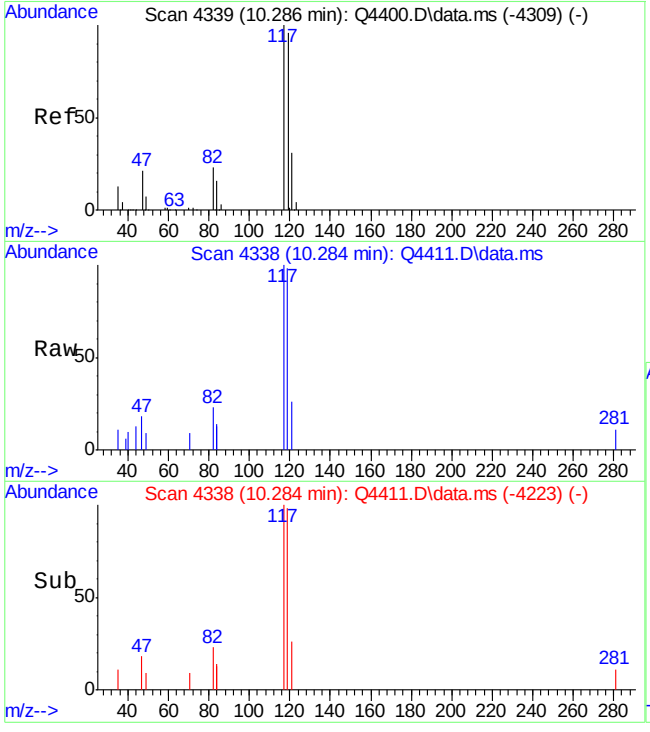


#31
CHLOROFORM
Concen: 0.42 PPBV
RT: 8.750 min Scan# 3474
Delta R.T. 0.003 min
Lab File: Q4411.D
Acq: 27 Aug 2007 8:38 pm

Tgt Ion: 83 Resp: 31275

Ion	Ratio	Lower	Upper
83	100		
85	68.0	45.3	85.3
47	25.5	3.6	43.6

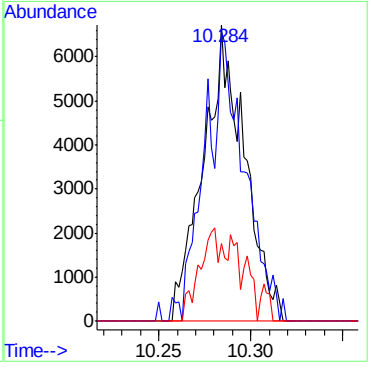


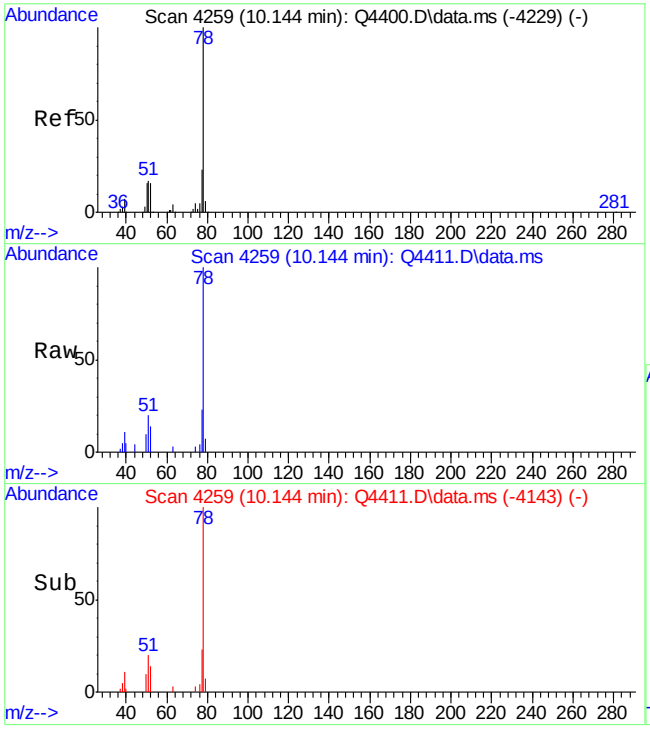


#33
CARBON TETRACHLORIDE
Concen: 0.12 PPBV
RT: 10.284 min Scan# 4338
Delta R.T. -0.002 min
Lab File: Q4411.D
Acq: 27 Aug 2007 8:38 pm

Tgt Ion:117 Resp: 10479

Ion	Ratio	Lower	Upper
117	100		
119	94.4	75.5	115.5
121	32.2	11.1	51.1

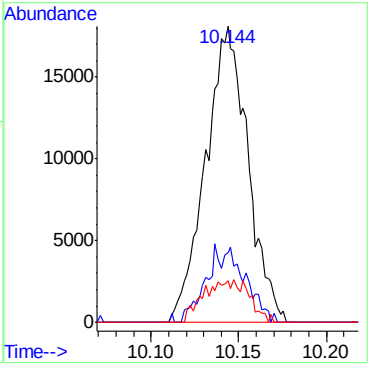


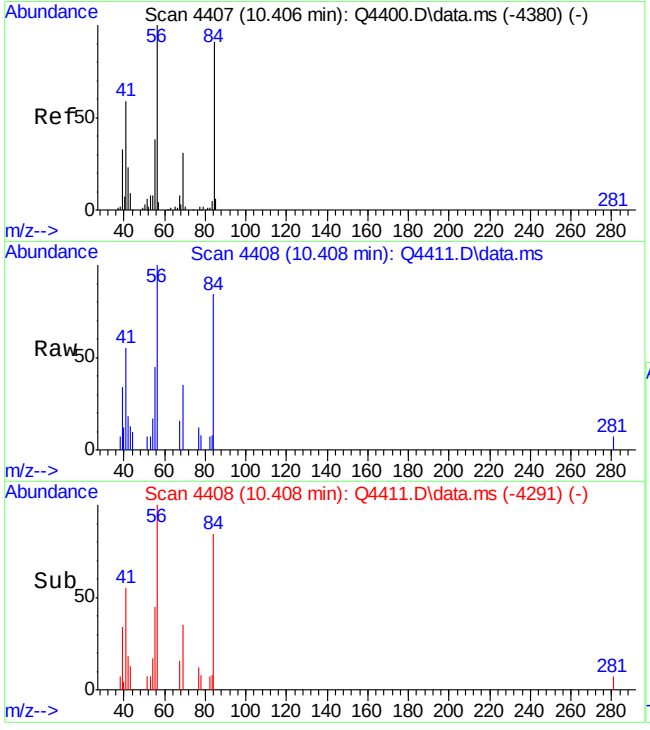


#36
BENZENE
Concen: 0.43 PPBV
RT: 10.144 min Scan# 4259
Delta R.T. -0.000 min
Lab File: Q4411.D
Acq: 27 Aug 2007 8:38 pm

Tgt Ion: 78 Resp: 30334

Ion	Ratio	Lower	Upper
78	100		
77	23.6	3.1	43.1
52	15.4	0.0	35.2

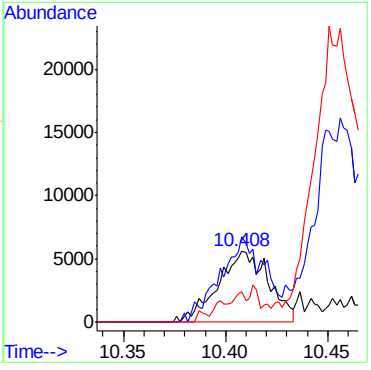


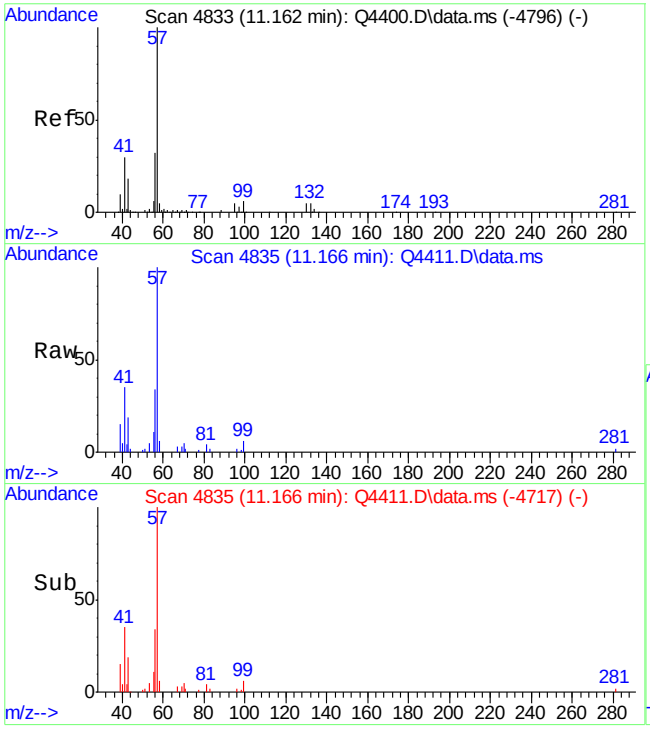


#37
CYCLOHEXANE
Concen: 0.29 PPBV
RT: 10.408 min Scan# 4408
Delta R.T. 0.002 min
Lab File: Q4411.D
Acq: 27 Aug 2007 8:38 pm

Tgt Ion: 84 Resp: 9605

Ion	Ratio	Lower	Upper
84	100		
56	115.8	97.3	137.3
69	35.3	16.5	56.5

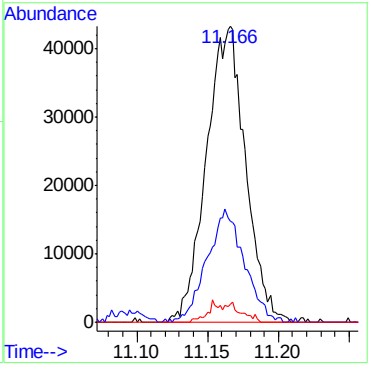


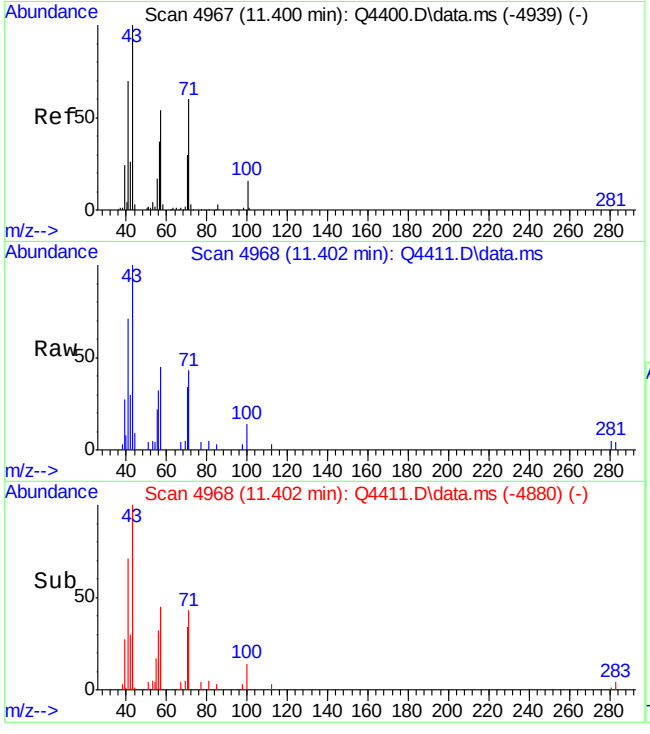


#41
2,2,4-TRIMETHYLPENTANE
Concen: 0.74 PPBV
RT: 11.166 min Scan# 4835
Delta R.T. 0.003 min
Lab File: Q4411.D
Acq: 27 Aug 2007 8:38 pm

Tgt Ion: 57 Resp: 83289

Ion	Ratio	Lower	Upper
57	100		
56	36.5	10.8	50.8
99	2.8	0.0	28.3

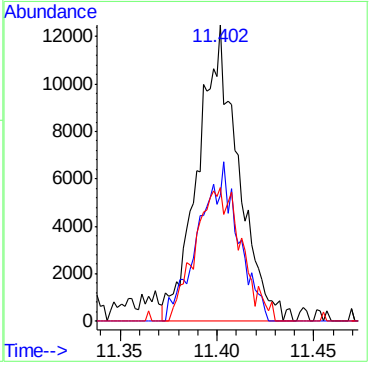


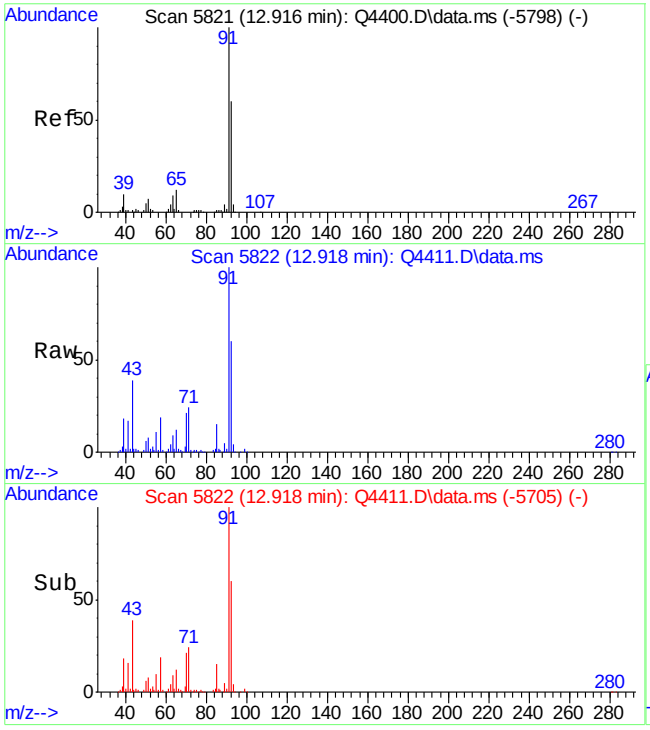


#43
HEPTANE
Concen: 0.47 PPBV
RT: 11.402 min Scan# 4968
Delta R.T. 0.002 min
Lab File: Q4411.D
Acq: 27 Aug 2007 8:38 pm

Tgt Ion: 43 Resp: 18040

Ion	Ratio	Lower	Upper
43	100		
71	52.4	39.8	79.8
57	51.8	33.8	73.8

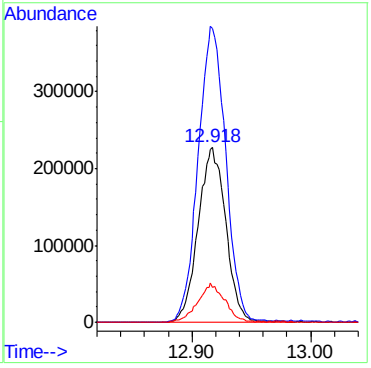


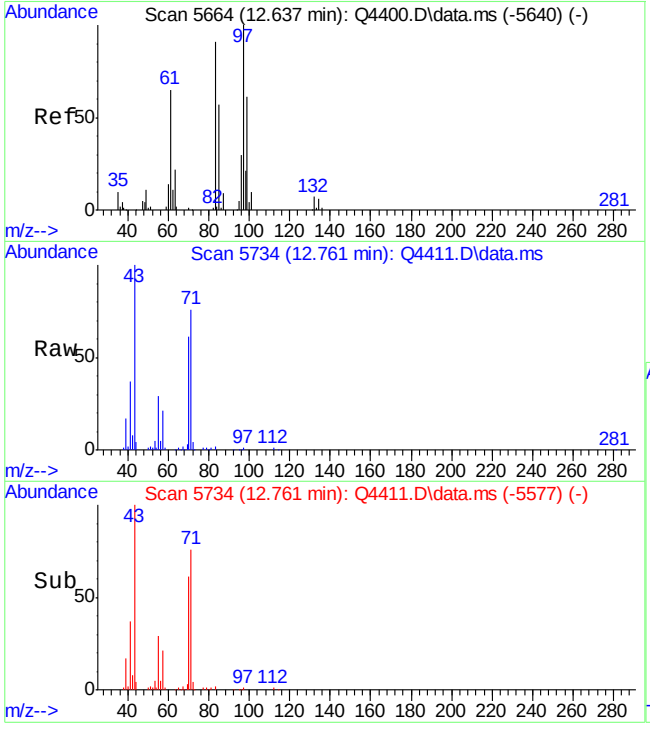


#46
TOLUENE
Concen: 7.23 PPBV
RT: 12.918 min Scan# 5822
Delta R.T. 0.002 min
Lab File: Q4411.D
Acq: 27 Aug 2007 8:38 pm

Tgt Ion: 92 Resp: 367559

Ion	Ratio	Lower	Upper
92	100		
91	169.3	150.8	190.8
65	21.7	0.2	40.2

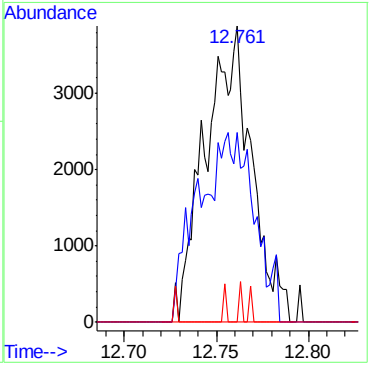


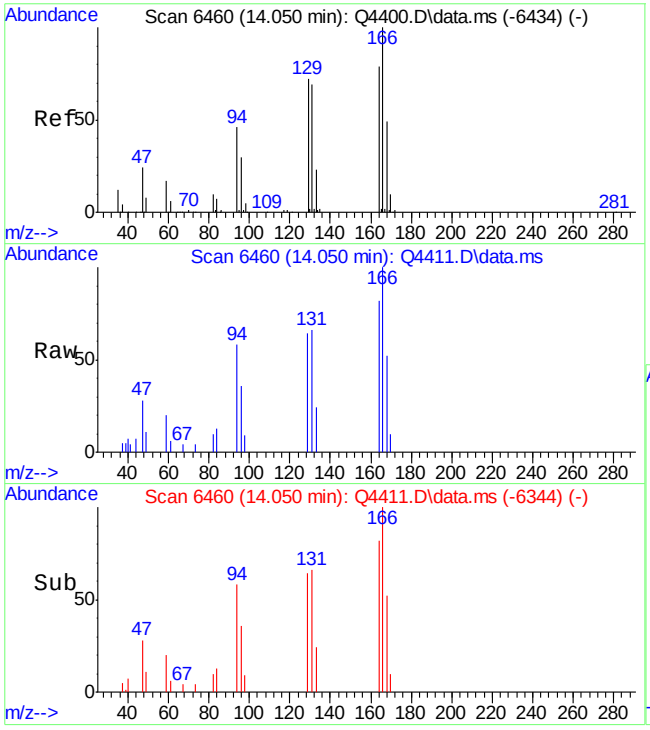


#48
1,1,2-TRICHLOROETHANE
Concen: 0.27 PPBV
RT: 12.761 min Scan# 5734
Delta R.T. 0.124 min
Lab File: Q4411.D
Acq: 27 Aug 2007 8:38 pm

Tgt Ion: 83 Resp: 6781

Ion	Ratio	Lower	Upper
83	100		
97	77.4	93.3	133.3#
85	1.6	44.2	84.2#

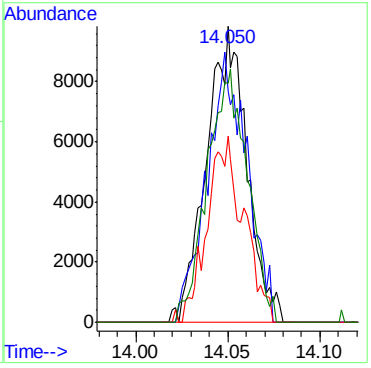


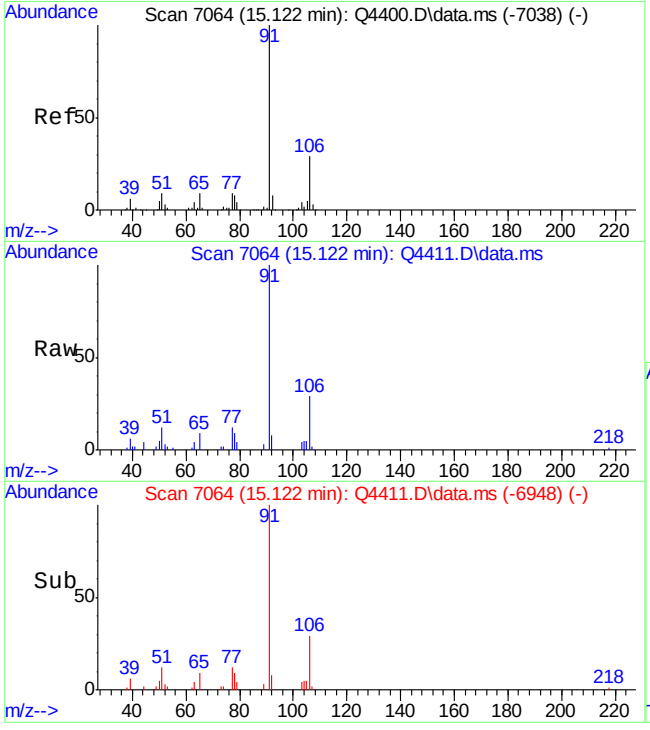


#51
TETRACHLOROETHYLENE
Concen: 0.34 PPBV
RT: 14.050 min Scan# 6460
Delta R.T. -0.000 min
Lab File: Q4411.D
Acq: 27 Aug 2007 8:38 pm

Tgt Ion:164 Resp: 15040

Ion	Ratio	Lower	Upper
164	100		
129	90.0	72.9	112.9
168	56.9	41.5	81.5
131	85.5	70.3	110.3

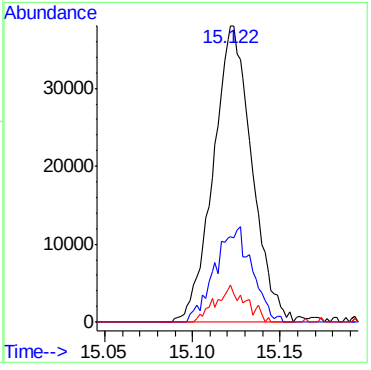


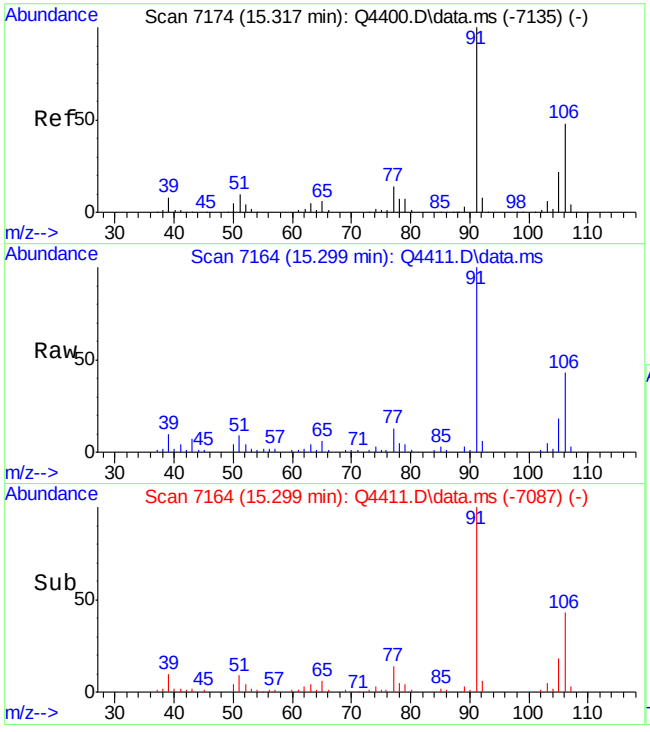


#55
ETHYLBENZENE
Concen: 0.60 PPBV
RT: 15.122 min Scan# 7064
Delta R.T. -0.000 min
Lab File: Q4411.D
Acq: 27 Aug 2007 8:38 pm

Tgt Ion: 91 Resp: 58068

Ion	Ratio	Lower	Upper
91	100		
106	30.9	9.7	49.7
77	9.7	0.0	28.9

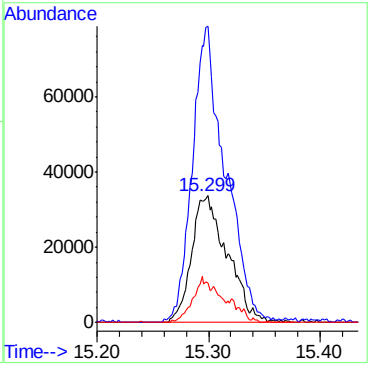


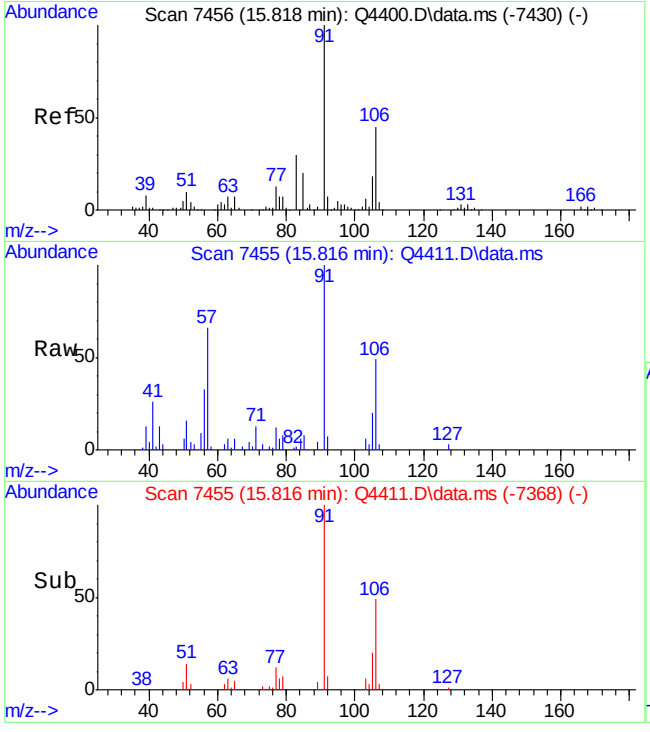


#56
m,p-XYLENE
Concen: 2.44 PPBV
RT: 15.299 min Scan# 7164
Delta R.T. -0.018 min
Lab File: Q4411.D
Acq: 27 Aug 2007 8:38 pm

Tgt Ion:106 Resp: 74884

Ion	Ratio	Lower	Upper
106	100		
91	234.4	166.7	250.1
77	31.5	23.8	35.8

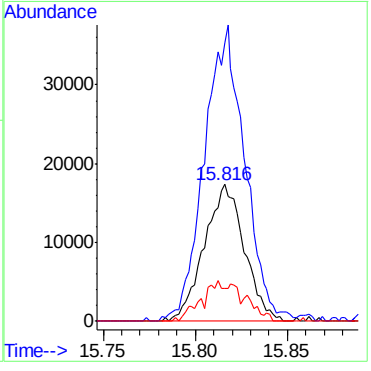




#57
o-XYLENE
Concen: 0.94 PPBV
RT: 15.816 min Scan# 7455
Delta R.T. -0.001 min
Lab File: Q4411.D
Acq: 27 Aug 2007 8:38 pm

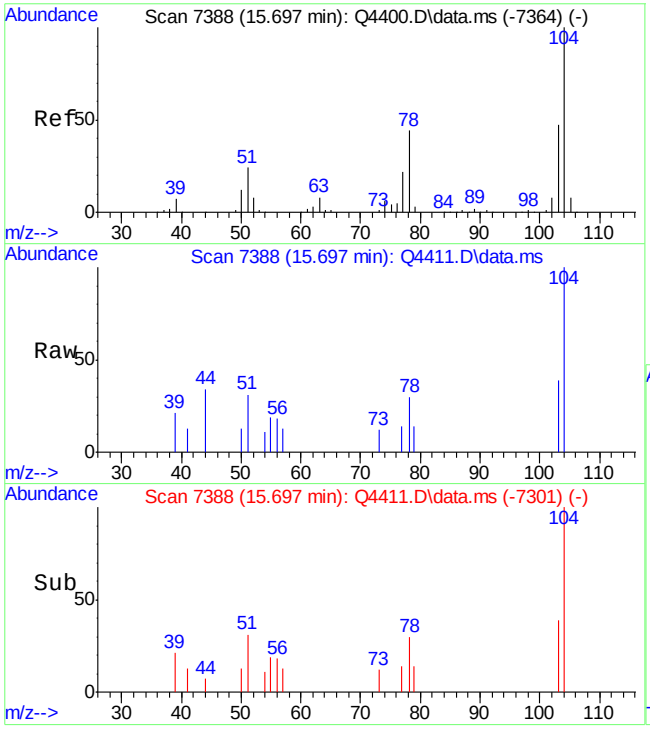
Tgt Ion:106 Resp: 26142

Ion	Ratio	Lower	Upper
106	100		
91	220.9	201.4	241.4
77	31.1	8.0	48.0



6.4.1

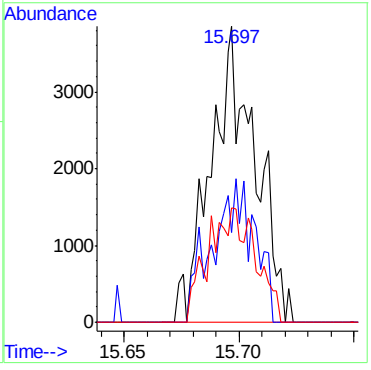
6

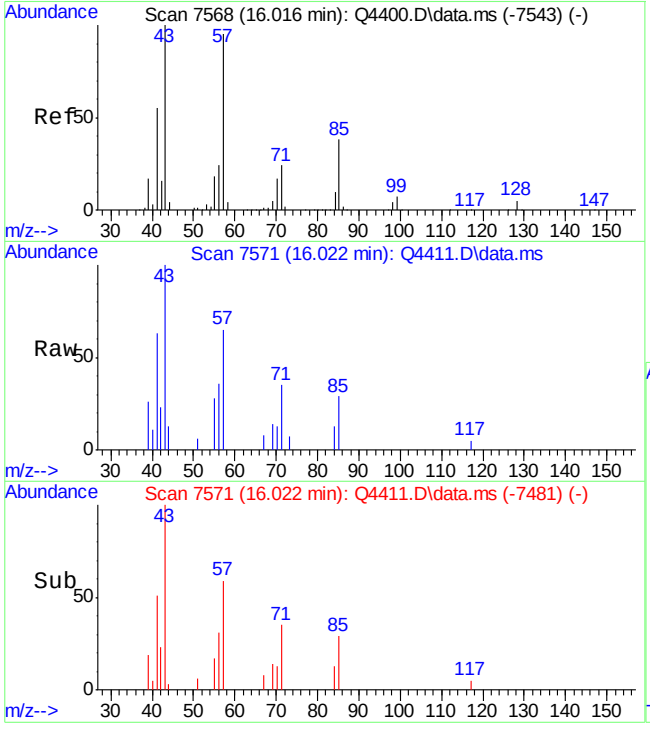


#58
STYRENE
Concen: 0.55 PPBV
RT: 15.697 min Scan# 7388
Delta R.T. -0.000 min
Lab File: Q4411.D
Acq: 27 Aug 2007 8:38 pm

Tgt Ion:104 Resp: 5130

Ion	Ratio	Lower	Upper
104	100		
78	45.6	24.4	64.4
103	41.4	26.4	66.4

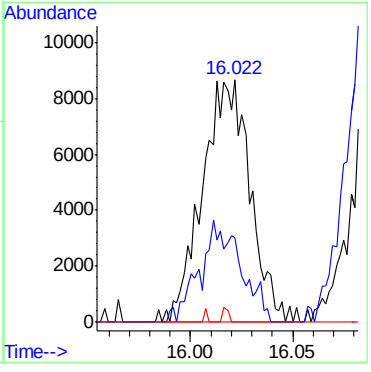


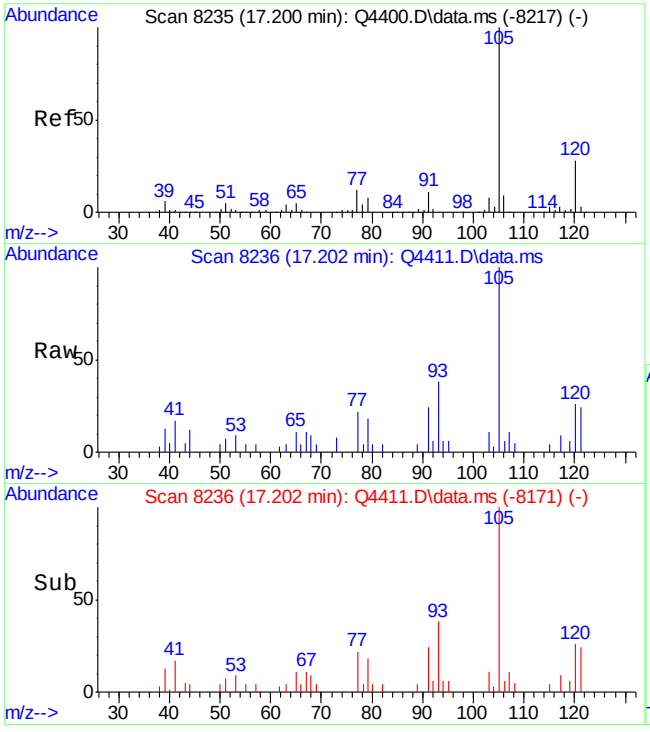


#59
NONANE
Concen: 0.30 PPBV
RT: 16.022 min Scan# 7571
Delta R.T. 0.005 min
Lab File: Q4411.D
Acq: 27 Aug 2007 8:38 pm

Tgt Ion: 43 Resp: 14052

Ion	Ratio	Lower	Upper
43	100		
71	0.0	4.7	44.7#
128	0.7	0.0	25.4

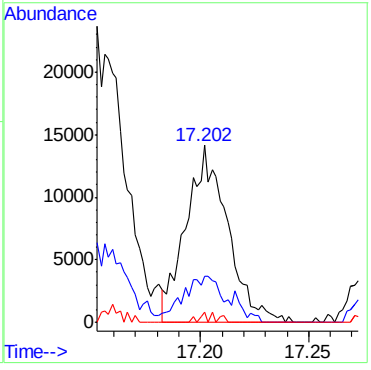


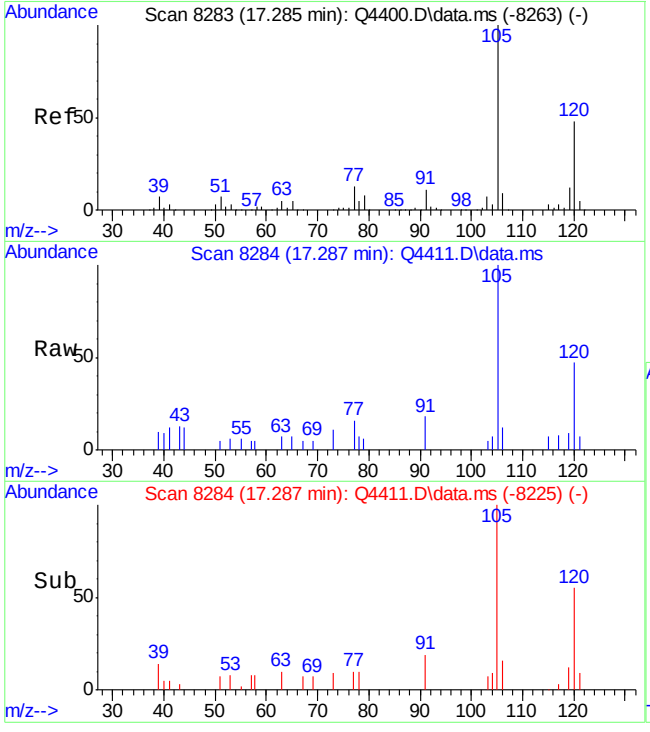


#65
4-ETHYLTOLUENE
Concen: 0.64 PPBV
RT: 17.202 min Scan# 8236
Delta R.T. 0.002 min
Lab File: Q4411.D
Acq: 27 Aug 2007 8:38 pm

Tgt Ion:105 Resp: 18777

Ion	Ratio	Lower	Upper
105	100		
120	28.2	8.5	48.5
119	1.0	0.0	22.2

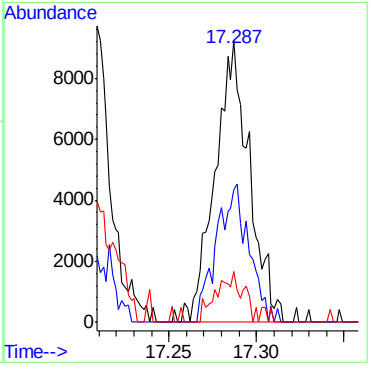


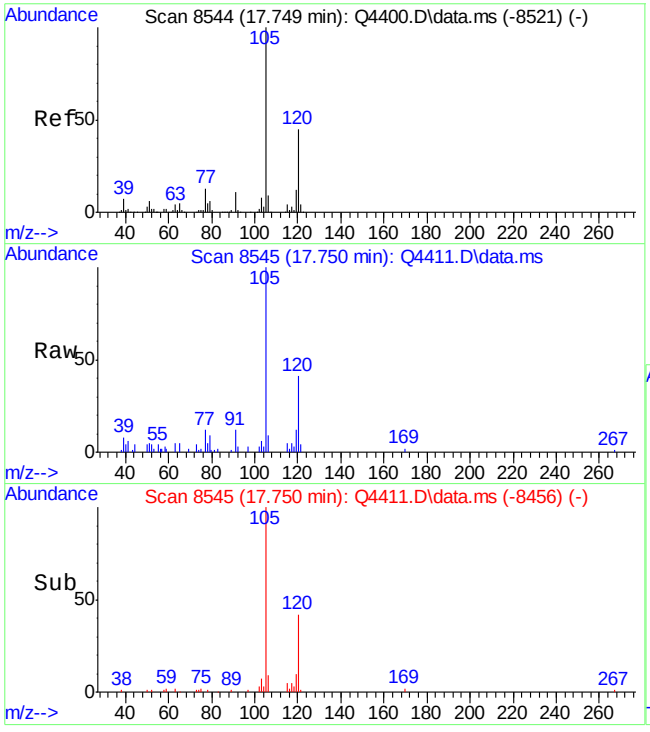


#66
1,3,5-TRIMETHYLBENZENE
Concen: 0.54 PPBV
RT: 17.287 min Scan# 8284
Delta R.T. 0.002 min
Lab File: Q4411.D
Acq: 27 Aug 2007 8:38 pm

Tgt Ion:105 Resp: 12556

Ion	Ratio	Lower	Upper
105	100		
120	45.5	27.4	67.4
91	15.2	0.0	30.8

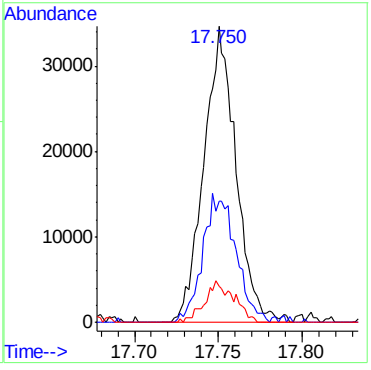


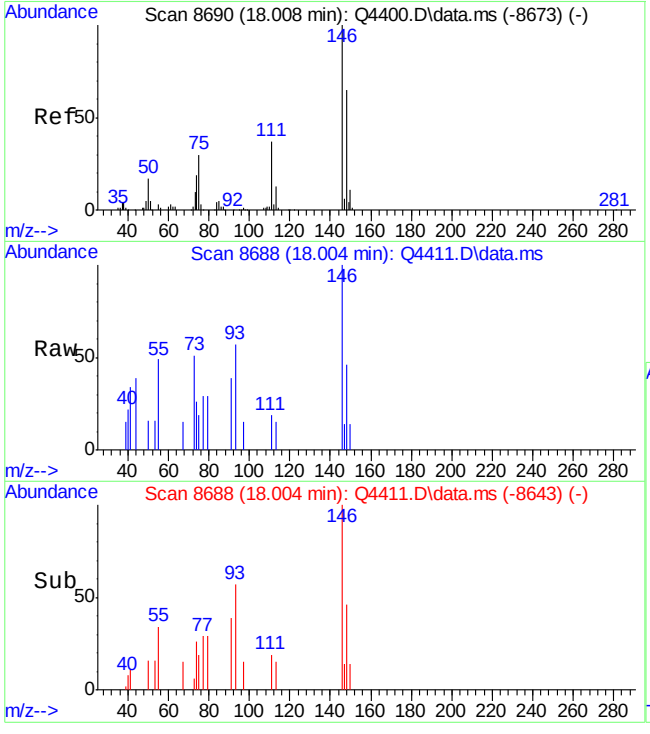


#67
1,2,4-TRIMETHYLBENZENE
Concen: 0.95 PPBV
RT: 17.750 min Scan# 8545
Delta R.T. 0.002 min
Lab File: Q4411.D
Acq: 27 Aug 2007 8:38 pm

Tgt Ion:105 Resp: 46222

Ion	Ratio	Lower	Upper
105	100		
120	45.2	25.7	65.7
119	12.7	0.0	31.4

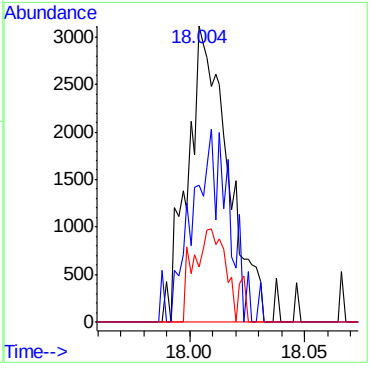




#70
p-DICHLOROBENZENE
Concen: 0.47 PPBV
RT: 18.004 min Scan# 8688
Delta R.T. -0.003 min
Lab File: Q4411.D
Acq: 27 Aug 2007 8:38 pm

Tgt Ion:146 Resp: 3821

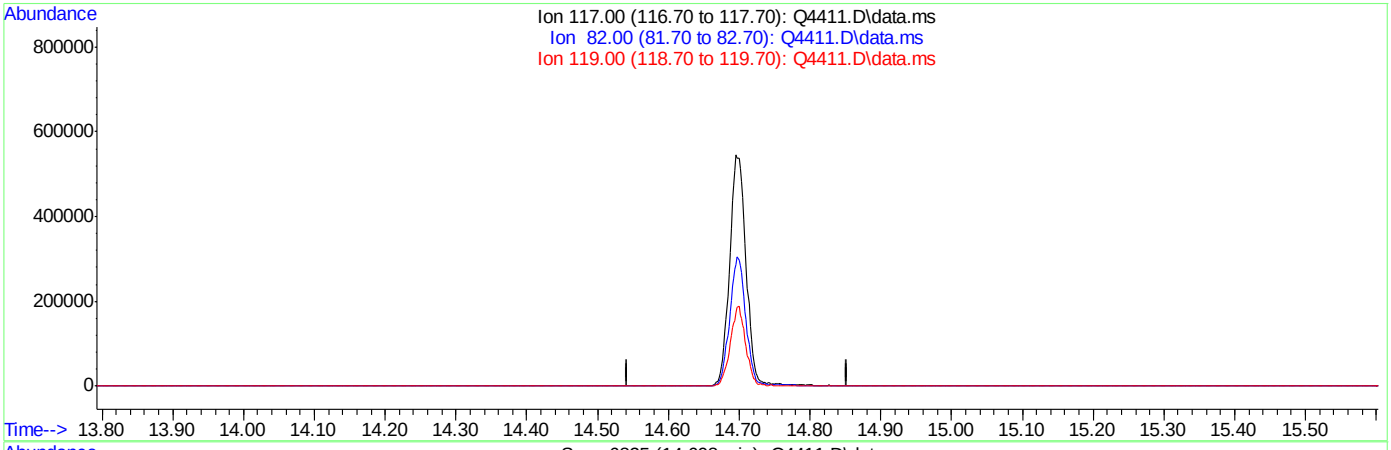
Ion	Ratio	Lower	Upper
146	100		
148	58.8	44.4	84.4
111	24.2	17.2	57.2

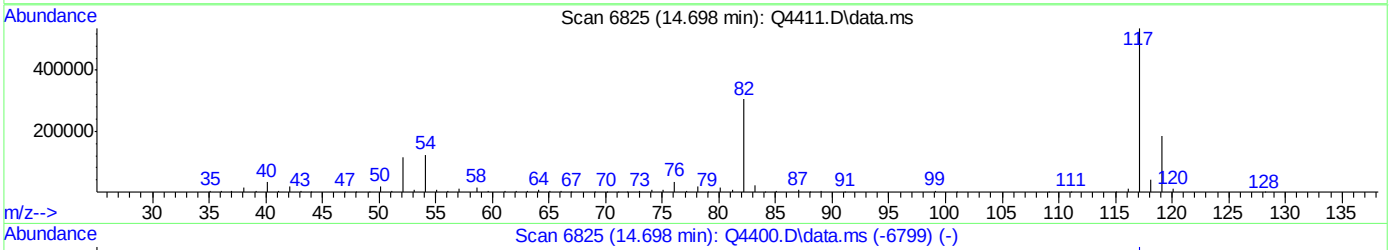


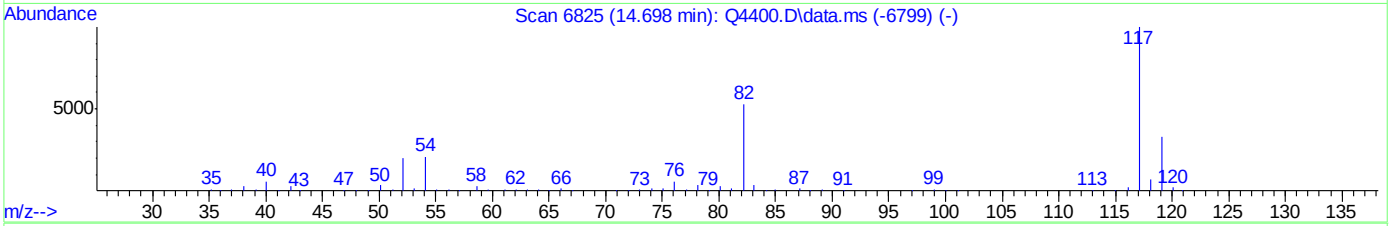
Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\
Data File : Q4411.D
Acq On : 27 Aug 2007 8:38 pm
Operator : danat
Sample : m67264-1dup (m056)
Misc : MS14196, MSQ232,,,,,1
ALS Vial : 5 Sample Multiplier: 1

Quant Time: Aug 28 10:43:02 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 15:05:38 2007
Response via : Initial Calibration







TIC: Q4411.D\data.ms

(49) CHLOROBENZENE-D5 (I)

14.698min (-14.698) 0.00PPBV

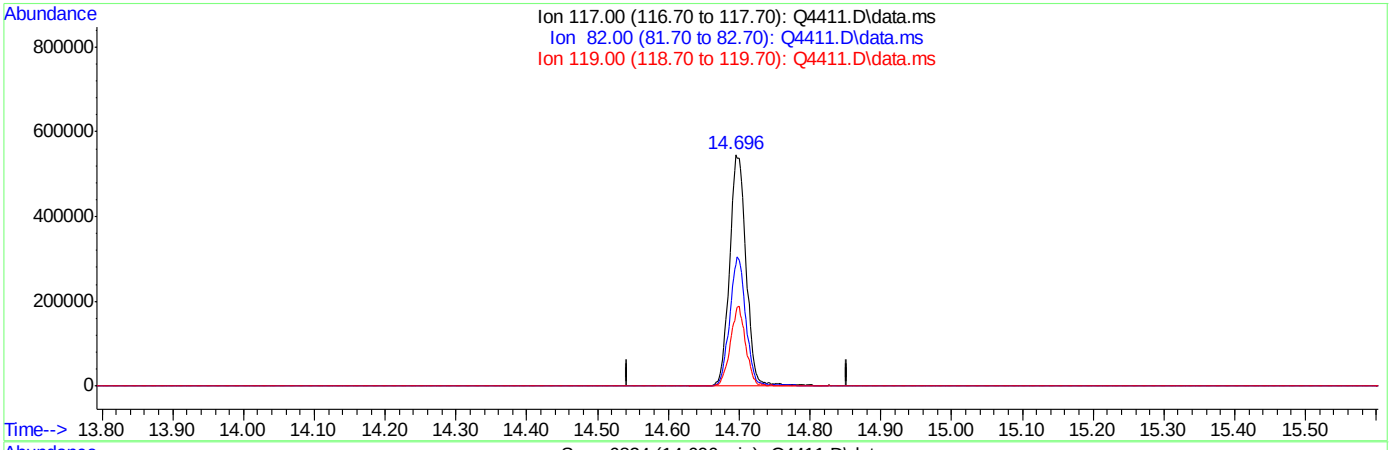
response 0

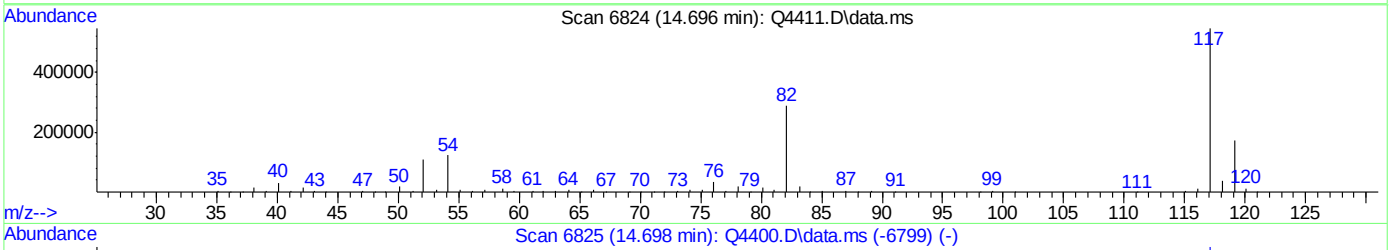
Ion	Exp%	Act%
117.00	100	0.00
82.00	52.70	0.00#
119.00	32.00	0.00#
0.00	0.00	0.00

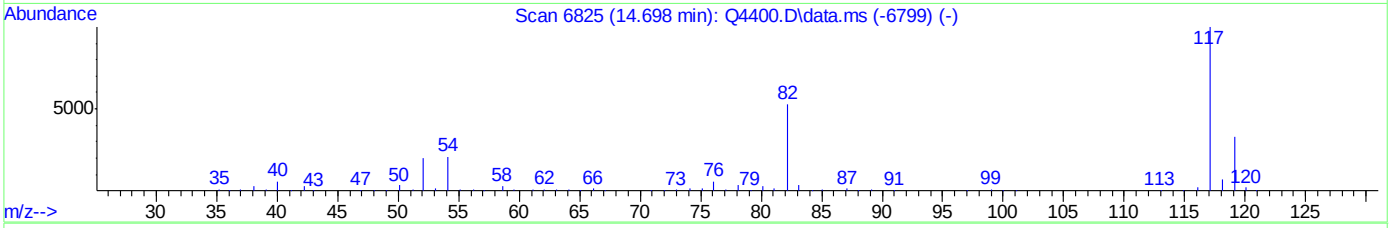
Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\
Data File : Q4411.D
Acq On : 27 Aug 2007 8:38 pm
Operator : danat
Sample : m67264-1dup (m056)
Misc : MS14196, MSQ232,,,,,1
ALS Vial : 5 Sample Multiplier: 1

Quant Time: Aug 28 10:43:02 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 15:05:38 2007
Response via : Initial Calibration







TIC: Q4411.D\data.ms

(49) CHLOROBENZENE-D5 (I)

14.696min (-0.002) 10.00PPBV m

response 891529

Ion	Exp%	Act%
117.00	100	100
82.00	52.70	0.00#
119.00	32.00	0.00#
0.00	0.00	0.00

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\
Data File : Q4318a.D
Acq On : 17 Aug 2007 9:31 am
Operator : danat
Sample : cp459 (M056)
Misc : MS14080, MSQ229,,,,,1
ALS Vial : 4 Sample Multiplier: 1

Quant Time: Aug 17 14:40:56 2007
Quant Method : C:\msdchem\1\METHODS\Q081607T.m
Quant Title : TO15 by GCMS w/DB-1 60 m X .25 mm ID 1.0 um
QLast Update : Thu Aug 16 18:21:28 2007
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) BROMOCHLOROMETHANE	8.630	128	199950	10.00	PPBV	0.00
35) 1,4-DIFLUOROBENZENE	10.458	114	875503	10.00	PPBV	0.00
49) CHLOROBENZENE-D5	14.701	117	687756	10.00	PPBV	0.00

System Monitoring Compounds

61) 4-BROMOFLUOROBENZENE	16.322	95	176443	3.95	PPBV	0.00

Spiked Amount 5.000 Range 57 - 139 Recovery = 79.00%

Target Compounds	Qvalue

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

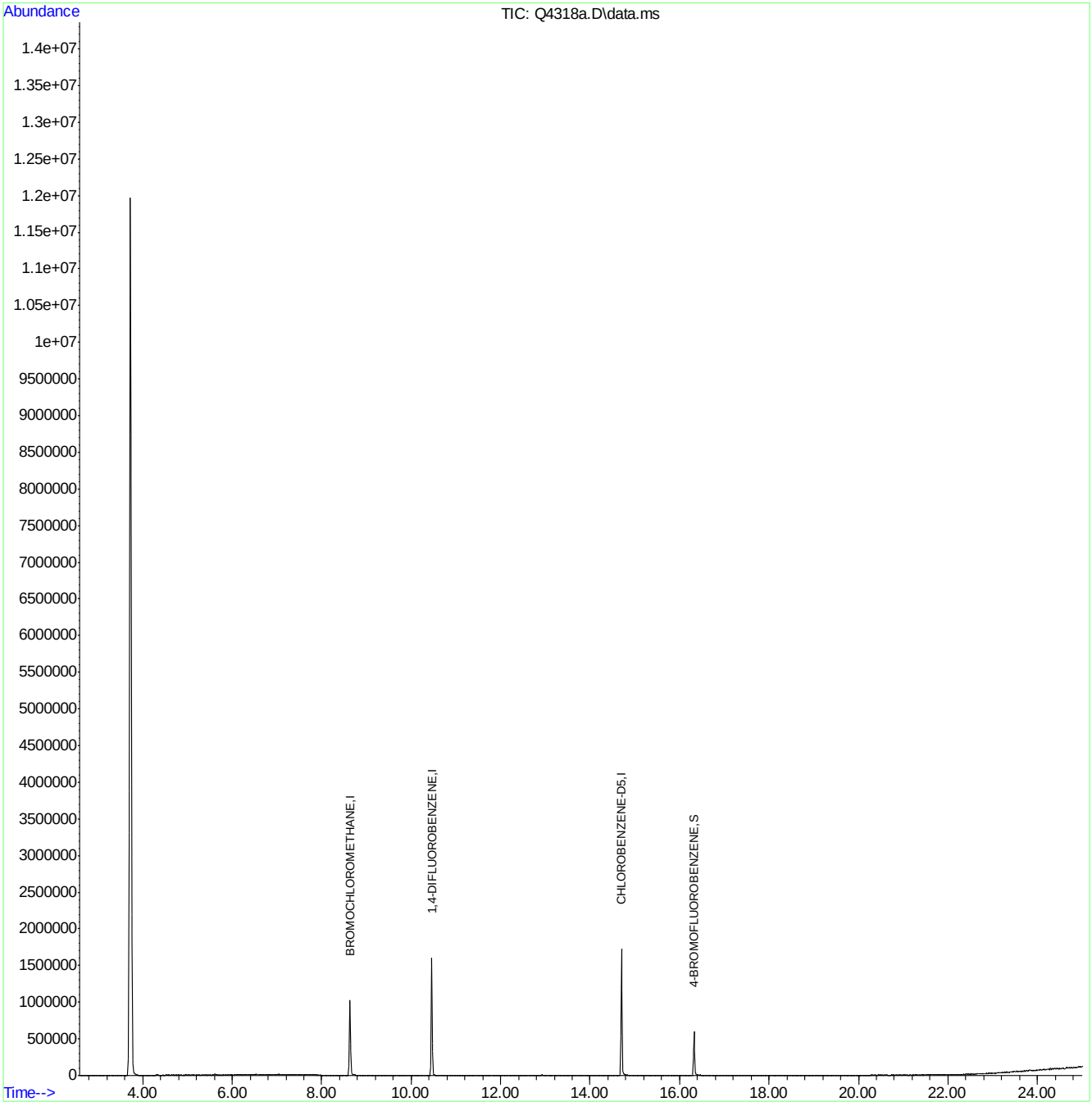
6.5.1

6

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\
Data File : Q4318a.D
Acq On : 17 Aug 2007 9:31 am
Operator : danat
Sample : cp459 (M056)
Misc : MS14080, MSQ229,,,,,1
ALS Vial : 4 Sample Multiplier: 1

Quant Time: Aug 17 14:40:56 2007
Quant Method : C:\msdchem\1\METHODS\Q081607T.m
Quant Title : TO15 by GCMS w/DB-1 60 m X .25 mm ID 1.0 um
QLast Update : Thu Aug 16 18:21:28 2007
Response via : Initial Calibration



Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\
Data File : Q4351.D
Acq On : 21 Aug 2007 12:09 am
Operator : danat
Sample : scc (M100)
Misc : MS14080, MSQ230,,,,,1
ALS Vial : 11 Sample Multiplier: 1

Quant Time: Aug 21 16:23:37 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	268374	10.00	PPBV	0.00
35) 1,4-DIFLUOROBENZENE	10.458	114	1163824	10.00	PPBV	0.00
49) CHLOROBENZENE-D5	14.701	117	871921	10.00	PPBV	0.00

System Monitoring Compounds

61) 4-BROMOFLUOROBENZENE	16.325	95	192528	3.32	PPBV	0.00

Spiked Amount 5.000 Range 57 - 139 Recovery = 66.40%

Target Compounds	Qvalue

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

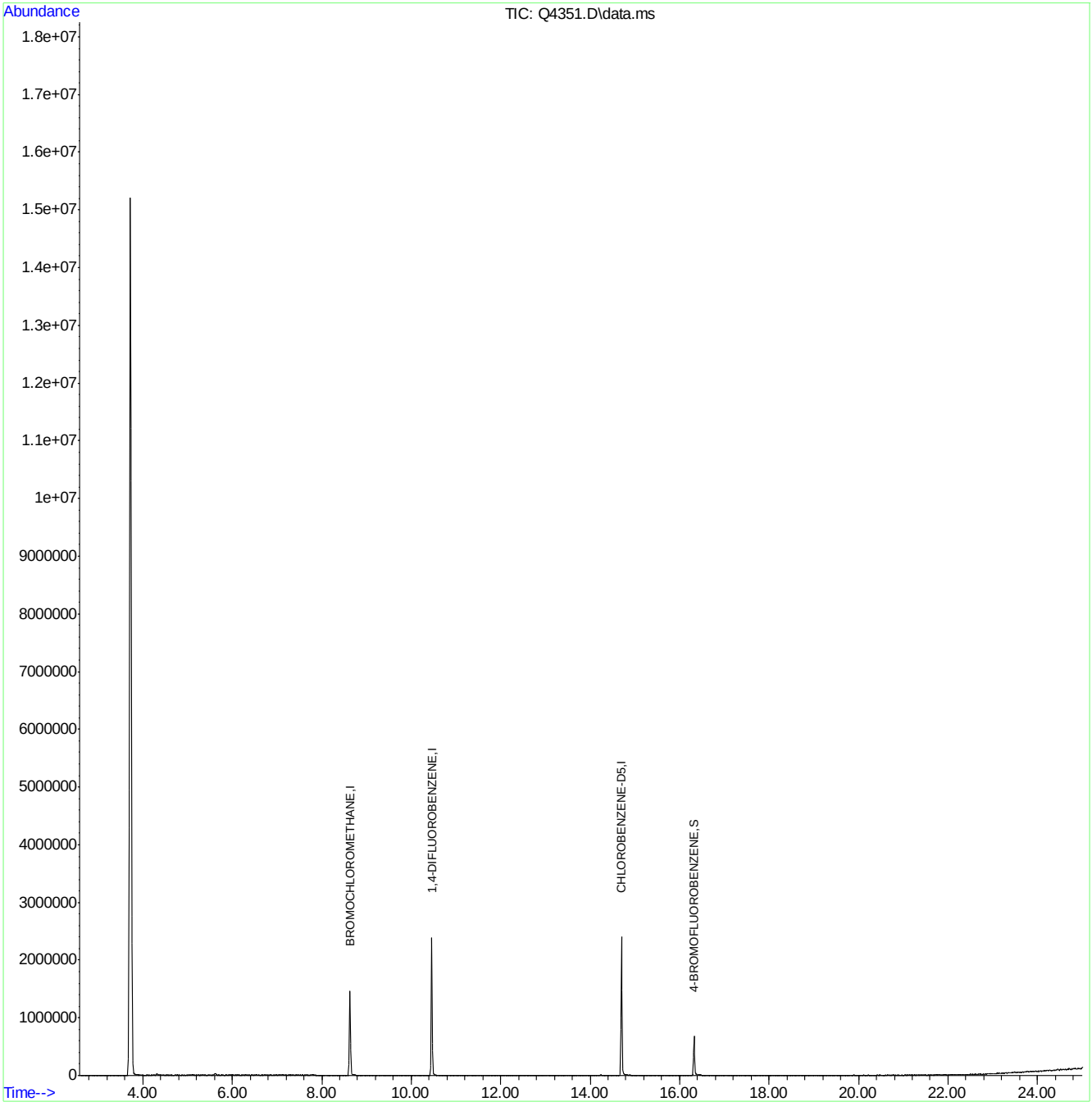
6.5.2

6

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\
Data File : Q4351.D
Acq On : 21 Aug 2007 12:09 am
Operator : danat
Sample : scc (M100)
Misc : MS14080, MSQ230,,,,,1
ALS Vial : 11 Sample Multiplier: 1

Quant Time: Aug 21 16:23:37 2007
Quant Method : C:\msdchem\1\METHODS\Q082007T.m
Quant Title : TO15 by GCMS w/DB-1 60 m X .25 mm ID 1.0 um
QLast Update : Mon Aug 20 17:58:39 2007
Response via : Initial Calibration

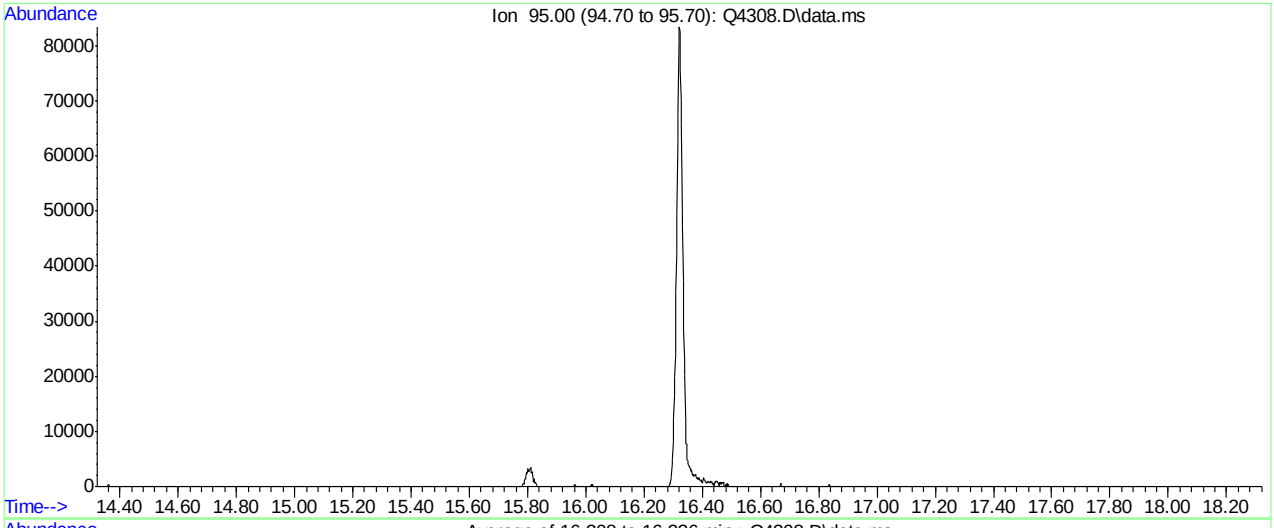


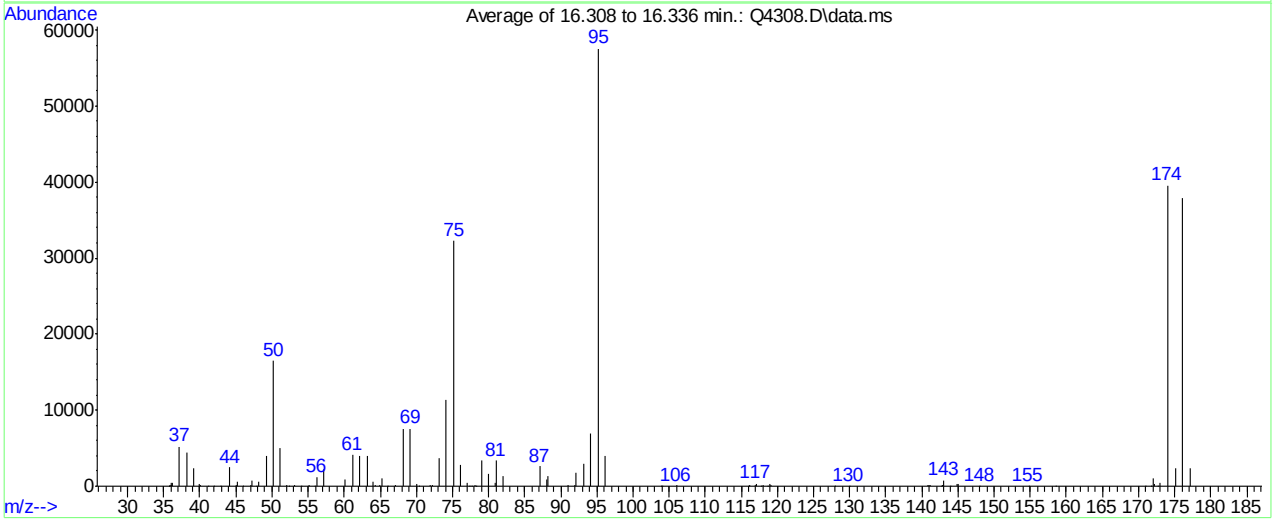
BFB

Data File : C:\msdchem\1\DATA\Q4308.D
Acq On : 16 Aug 2007 12:06 pm
Sample : ic229-0.5 (M065)
Misc : MS14080, MSQ229,,,,,1
MS Integration Params: LSCINT.P

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

Method : C:\msdchem\1\METHODS\Q081607T.m (RTE Integrator)
Title : TO15 by GCMS w/DB-1 60 m X .25 mm ID 1.0 um





Spectrum Information: Average of 16.308 to 16.336 min.

Target Mass	Rel. to Mass	Lower Limit%	Upper Limit%	Rel. Abn%	Raw Abn	Result Pass/Fail
50	95	8	40	28.6	16462	PASS
75	95	30	66	56.0	32218	PASS
95	95	100	100	100.0	57561	PASS
96	95	5	9	6.9	3972	PASS
173	174	0.00	2	1.0	378	PASS
174	95	50	120	68.7	39529	PASS
175	174	4	9	5.9	2349	PASS
176	174	93	101	95.8	37867	PASS
177	176	5	9	6.1	2327	PASS

Q4308.D Q081607T.m Fri Aug 17 14:19:57 2007 RPT1

Average of 16.308 to 16.336 min.: Q4308.D\data.ms
ic229-0.5 (M065)

m/z	abund.	m/z	abund.	m/z	abund.	m/z	abund.
35.80	51	41.95	51	50.20	16462	61.15	4061
35.95	143	42.90	31	51.15	5081	62.15	3930
36.00	91	44.15	2440	52.10	163	63.15	3970
36.10	413	45.00	182	52.30	26	64.05	637
36.25	499	45.15	648	53.15	108	64.30	225
37.15	5231	46.00	28	54.00	30	64.95	188
38.15	4421	47.00	107	55.20	132	65.15	1068
39.15	2350	47.20	756	55.90	33	66.00	42
39.95	238	47.90	30	56.20	1184	67.10	137
40.15	169	48.15	646	57.10	2145	68.15	7450
41.10	57	49.20	3928	60.10	944	69.15	7525

Average of 16.308 to 16.336 min.: Q4308.D\data.ms
ic229-0.5 (M065)

m/z	abund.	m/z	abund.	m/z	abund.	m/z	abund.
70.05	372	78.05	140	91.90	120	116.90	182
70.30	52	78.25	72	92.15	1806	117.05	330
71.95	223	79.05	3449	93.10	2994	117.70	26
72.15	139	79.95	1564	94.15	6968	118.05	98
73.15	3624	80.90	418	95.20	57561	118.60	24
74.15	11348	81.05	3323	96.15	3972	119.00	255
75.20	32218	82.05	1334	103.85	48	119.10	146
76.10	2782	87.05	2638	104.10	56	127.90	42
77.00	425	88.00	931	106.00	128	129.90	55
77.30	26	88.15	1327	116.00	26	140.90	118
77.70	62	91.05	203	116.15	93	141.00	119

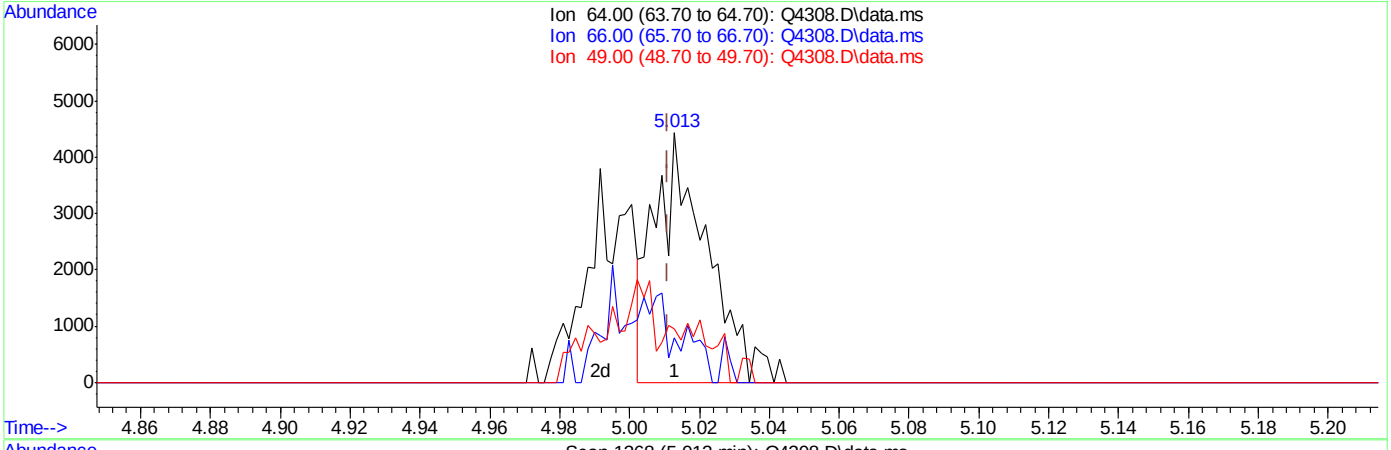
Average of 16.308 to 16.336 min.: Q4308.D\data.ms
ic229-0.5 (M065)

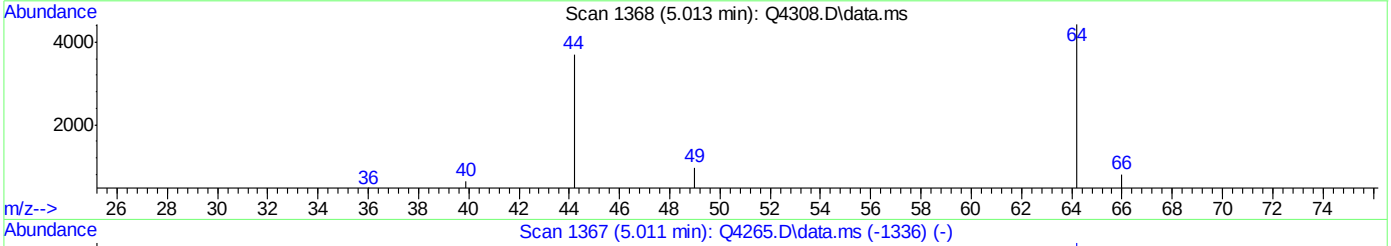
m/z	abund.	m/z	abund.	m/z	abund.	m/z	abund.
141.15	203	171.70	23				
142.75	70	172.00	1082				
142.90	176	172.25	245				
143.05	738	172.70	26				
144.00	24	173.00	378				
144.90	240	174.05	39529				
145.05	262	175.10	2349				
148.00	28	176.05	37867				
154.80	26	177.10	2327				
158.60	26						
170.90	24						

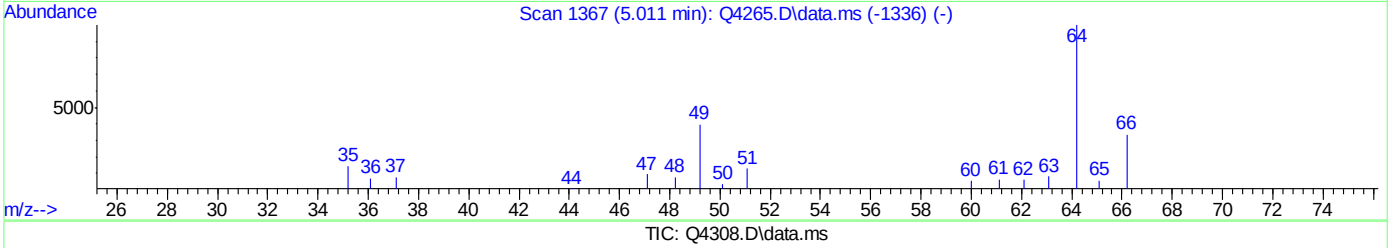
Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\
Data File : Q4308.D
Acq On : 16 Aug 2007 12:06 pm
Operator : danat
Sample : ic229-0.5 (M065)
Misc : MS14080, MSQ229,,,,,1
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Aug 16 12:33:54 2007
Quant Method : C:\msdchem\1\METHODS\Q081607T.m
Quant Title : TO15 by GCMS w/DB-1 60 m X .25 mm ID 1.0 um
QLast Update : Thu Aug 16 12:33:37 2007
Response via : Initial Calibration







TIC: Q4308.D\data.ms

(9) CHLOROETHANE (m)

5.013min (+0.002) 0.49PPBV

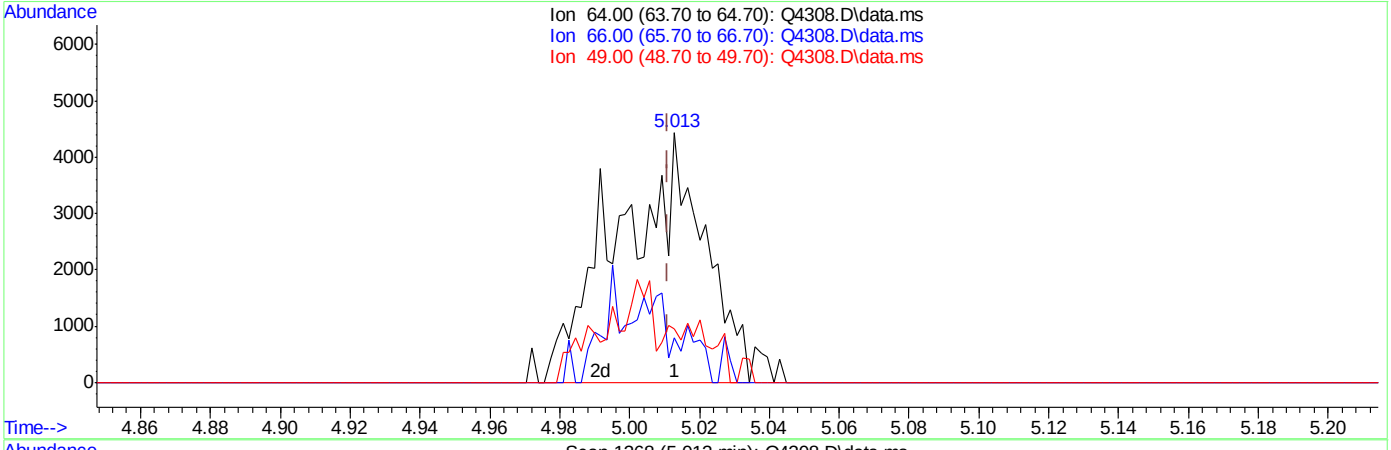
response 4659

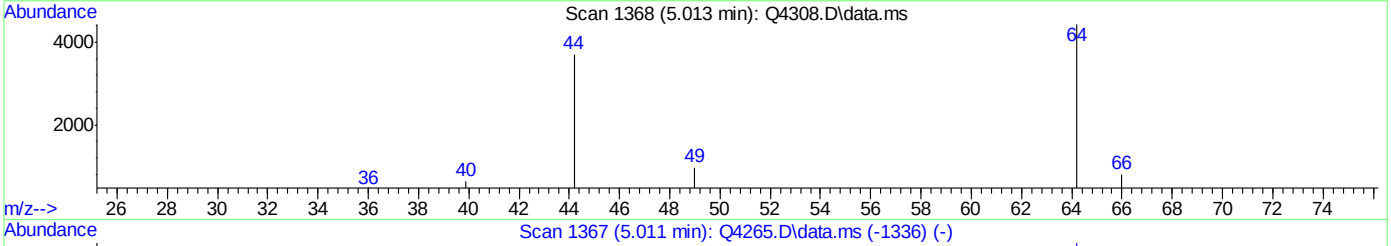
Ion	Exp%	Act%
64.00	100	100
66.00	33.20	0.00#
49.00	37.30	59.54#
0.00	0.00	0.00

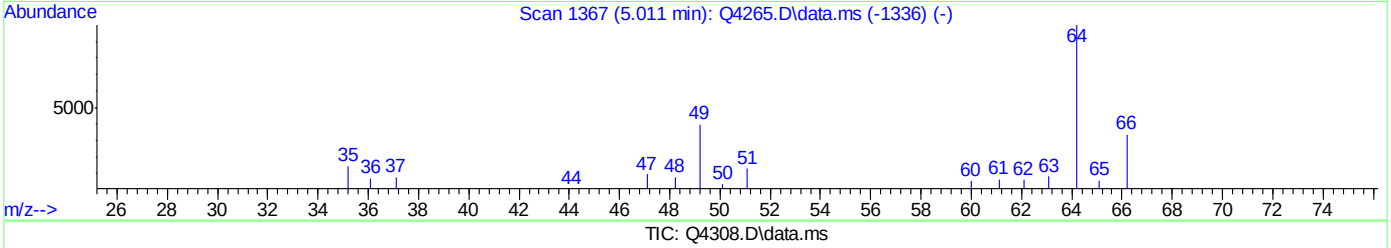
Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\
Data File : Q4308.D
Acq On : 16 Aug 2007 12:06 pm
Operator : danat
Sample : ic229-0.5 (M065)
Misc : MS14080, MSQ229,,,,,1
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Aug 16 12:33:54 2007
Quant Method : C:\msdchem\1\METHODS\Q081607T.m
Quant Title : TO15 by GCMS w/DB-1 60 m X .25 mm ID 1.0 um
QLast Update : Thu Aug 16 12:33:37 2007
Response via : Initial Calibration







TIC: Q4308.D\data.ms

(9) CHLOROETHANE (m)

5.013min (+0.002) 0.79PPBV m

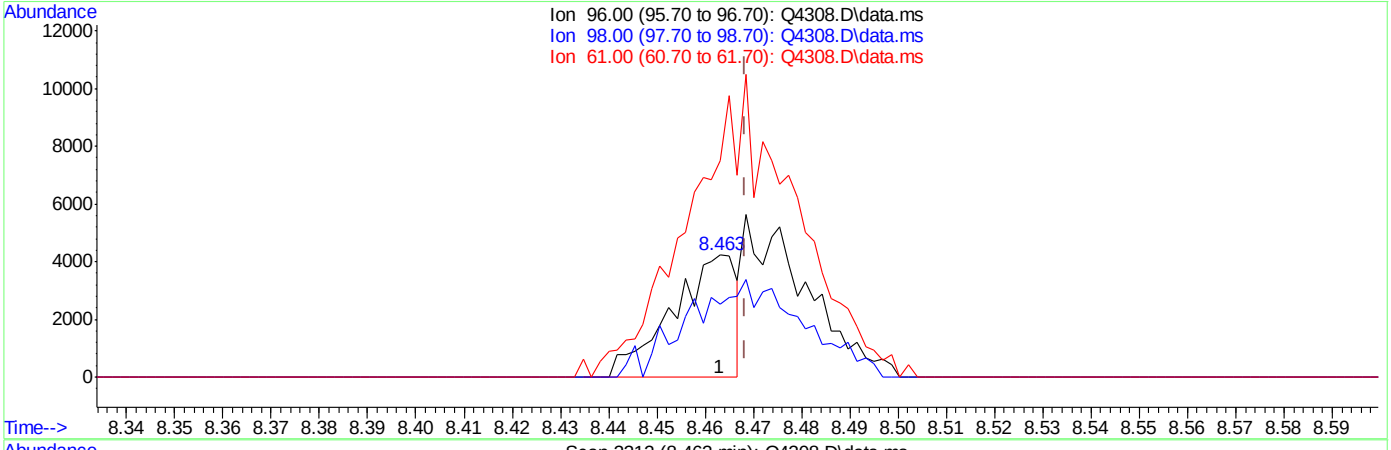
response 7543

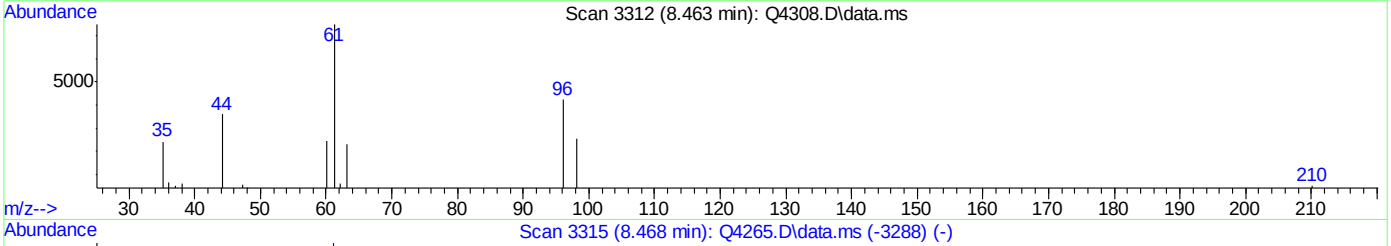
Ion	Exp%	Act%
64.00	100	100
66.00	33.20	0.00#
49.00	37.30	36.78
0.00	0.00	0.00

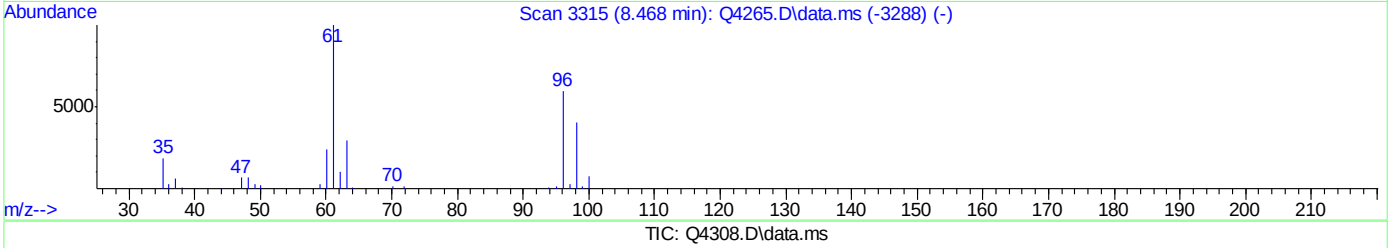
Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\
Data File : Q4308.D
Acq On : 16 Aug 2007 12:06 pm
Operator : danat
Sample : ic229-0.5 (M065)
Misc : MS14080, MSQ229,,,,,1
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Aug 16 12:33:54 2007
Quant Method : C:\msdchem\1\METHODS\Q081607T.m
Quant Title : TO15 by GCMS w/DB-1 60 m X .25 mm ID 1.0 um
QLast Update : Thu Aug 16 12:33:37 2007
Response via : Initial Calibration







TIC: Q4308.D\data.ms

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

8.463min (-0.005) 0.23PPBV

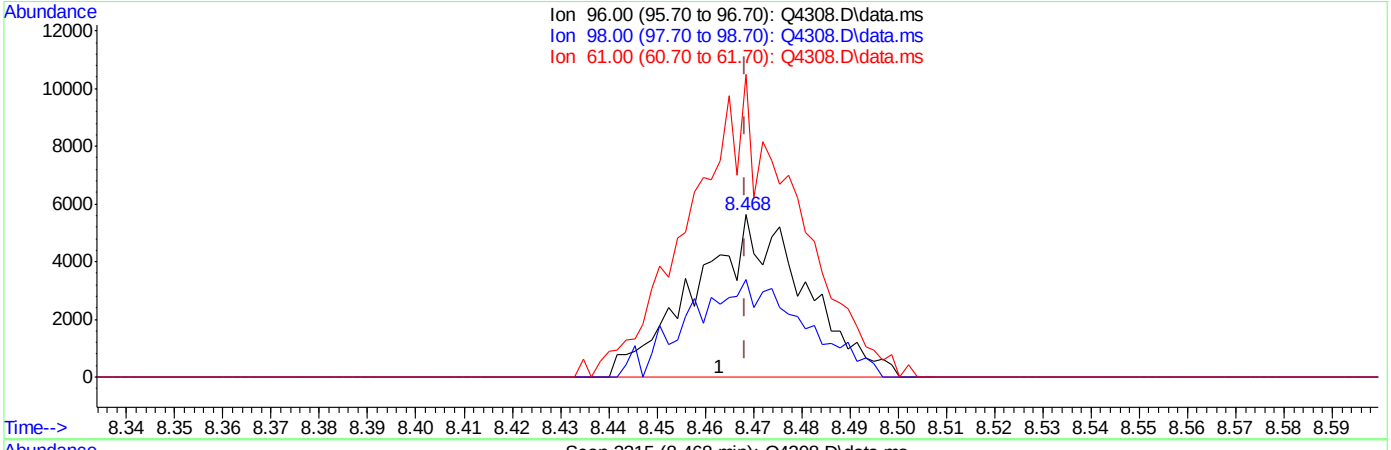
response 3898

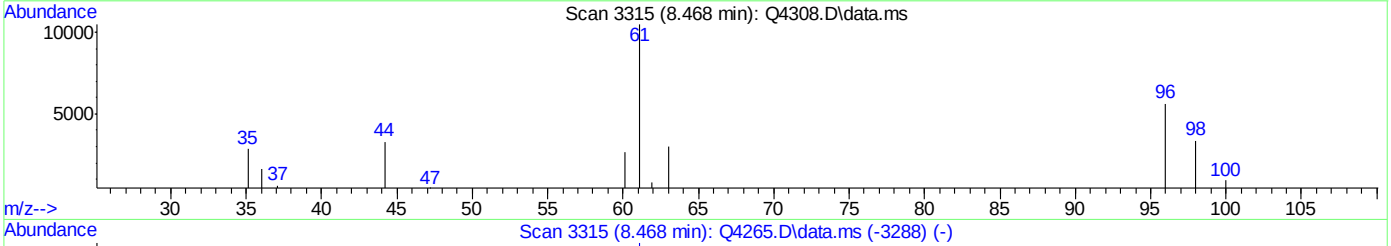
Ion	Exp%	Act%
96.00	100	100
98.00	63.30	142.38#
61.00	164.90	412.01#
0.00	0.00	0.00

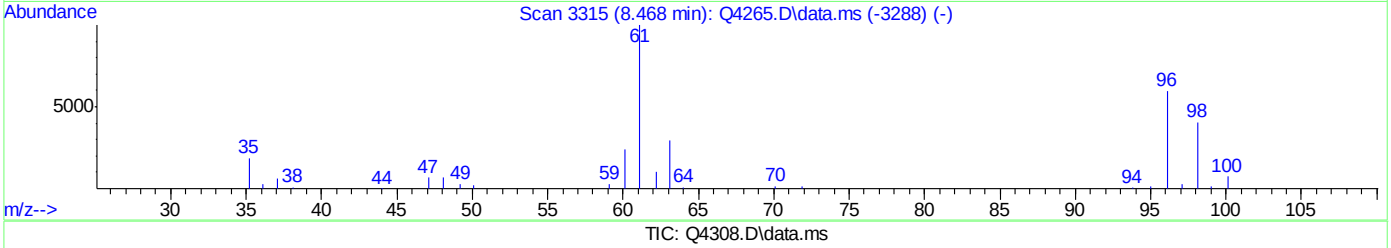
Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\
Data File : Q4308.D
Acq On : 16 Aug 2007 12:06 pm
Operator : danat
Sample : ic229-0.5 (M065)
Misc : MS14080, MSQ229,,,,,1
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Aug 16 12:33:54 2007
Quant Method : C:\msdchem\1\METHODS\Q081607T.m
Quant Title : TO15 by GCMS w/DB-1 60 m X .25 mm ID 1.0 um
QLast Update : Thu Aug 16 12:33:37 2007
Response via : Initial Calibration







TIC: Q4308.D\data.ms

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

8.468min (+0.000) 0.52PPBV m

response 8915

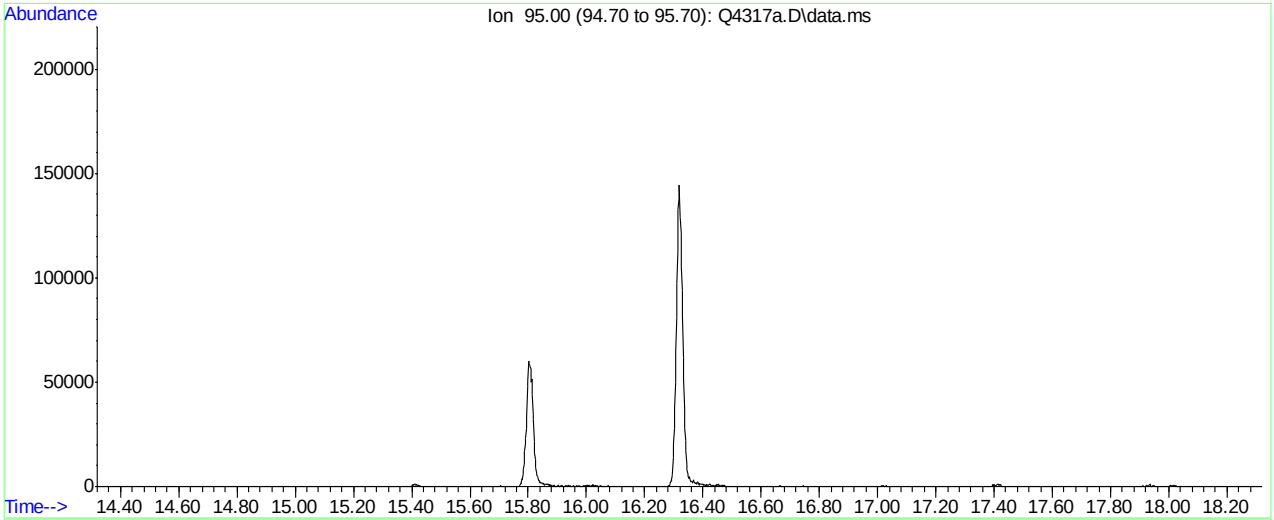
Ion	Exp%	Act%
96.00	100	100
98.00	63.30	62.25
61.00	164.90	180.15
0.00	0.00	0.00

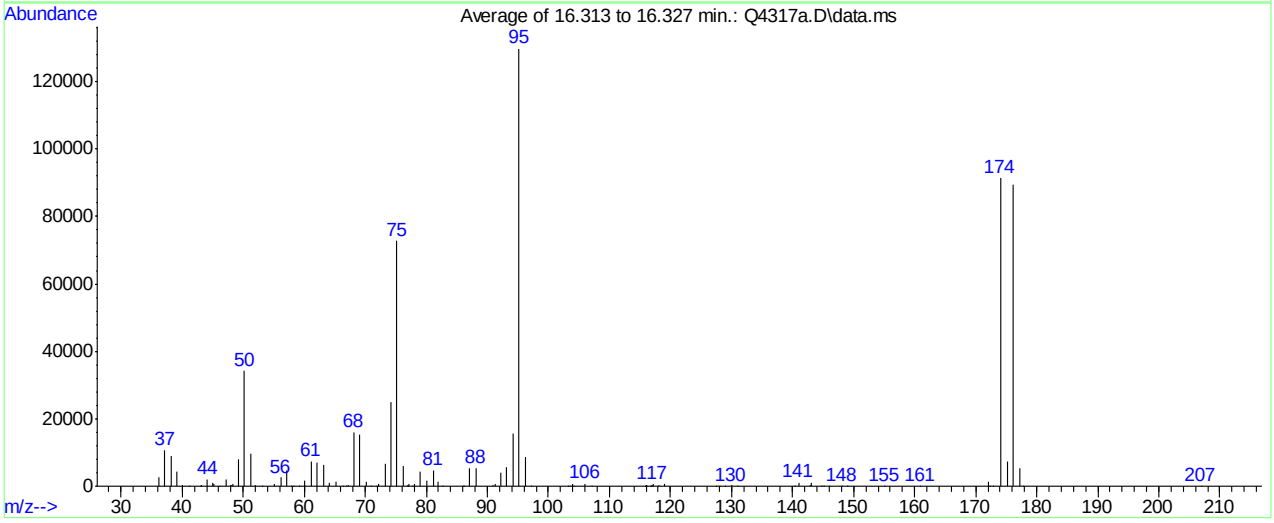
BFB

Data File : C:\msdchem\1\DATA\Q4317a.D
Acq On : 17 Aug 2007 8:48 am
Sample : cc229-10 (M164)
Misc : MS14080, MSQ229,,,,,1
MS Integration Params: LSCINT.P

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

Method : C:\msdchem\1\METHODS\Q081607T.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	26.3	34108	PASS
75	95	30	66	56.0	72710	PASS
95	95	100	100	100.0	129813	PASS
96	95	5	9	6.8	8789	PASS
173	174	0.00	2	0.2	141	PASS
174	95	50	120	70.3	91297	PASS
175	174	4	9	8.0	7322	PASS
176	174	93	101	97.9	89414	PASS
177	176	5	9	6.1	5481	PASS

Q4317a.D Q081607T.m Fri Aug 17 14:37:20 2007 RPT1

Average of 16.313 to 16.327 min.: Q4317a.D\data.ms
cc229-10 (M164)

m/z	abund.	m/z	abund.	m/z	abund.	m/z	abund.
36.15	2798	46.20	53	56.15	2624	65.15	1341
37.15	10658	47.15	1849	57.15	4587	66.40	47
38.20	9147	47.95	214	57.95	119	66.90	69
39.20	4310	48.10	298	58.20	56	67.15	366
40.05	192	48.30	828	59.20	45	68.15	15994
41.20	57	49.20	8010	60.00	211	69.15	15408
42.90	114	50.20	34108	60.15	1627	70.10	1300
43.15	344	51.20	9800	61.15	7365	70.90	52
44.10	2000	52.05	385	62.15	7118	71.80	46
45.00	877	53.00	71	63.15	6298	72.15	829
45.15	804	55.10	606	64.10	991	73.20	6612

Average of 16.313 to 16.327 min.: Q4317a.D\data.ms
cc229-10 (M164)

m/z	abund.	m/z	abund.	m/z	abund.	m/z	abund.
74.20	24896	82.00	1458	95.20	129813	116.00	75
75.20	72710	82.70	107	96.20	8789	116.15	294
76.20	6127	85.90	46	97.10	83	116.70	89
76.90	163	86.10	62	103.30	48	116.90	110
77.00	216	87.15	5339	103.60	44	117.00	188
77.15	605	88.15	5470	104.00	537	117.15	566
77.70	62	91.00	343	104.20	61	118.05	350
78.05	705	91.30	680	106.05	823	119.00	521
79.00	4480	92.20	4100	107.05	136	127.50	47
80.10	1789	93.15	5712	115.85	94	127.95	118
81.10	4658	94.20	15661	115.90	132	128.90	55

Average of 16.313 to 16.327 min.: Q4317a.D\data.ms
cc229-10 (M164)

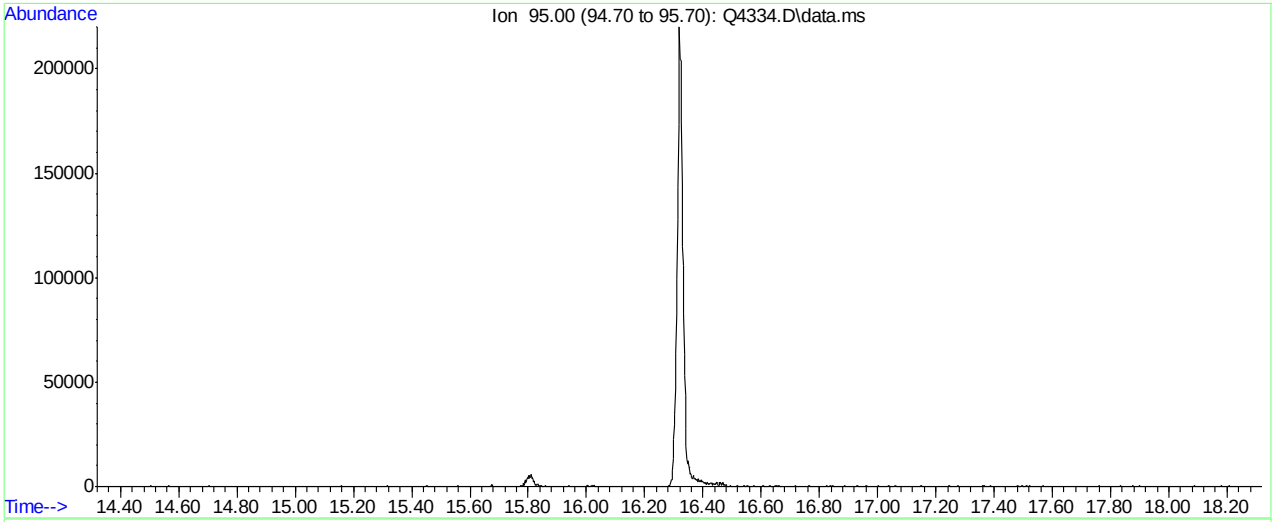
m/z	abund.	m/z	abund.	m/z	abund.	m/z	abund.
130.00	307	155.05	126				
131.00	56	160.90	45				
140.30	44	172.10	1203				
141.05	1015	172.30	141				
142.90	259	172.80	141				
143.10	881	174.10	91297				
144.70	66	175.15	7322				
145.10	47	176.10	89414				
146.10	48	177.15	5481				
148.10	49	177.80	52				
148.90	49	206.90	61				

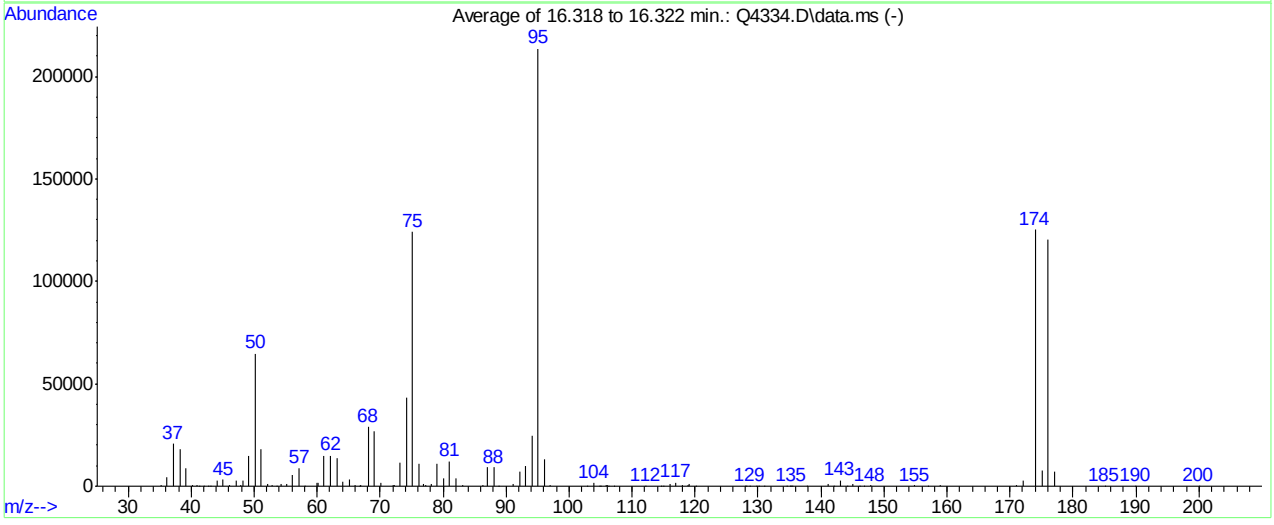
BFB

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

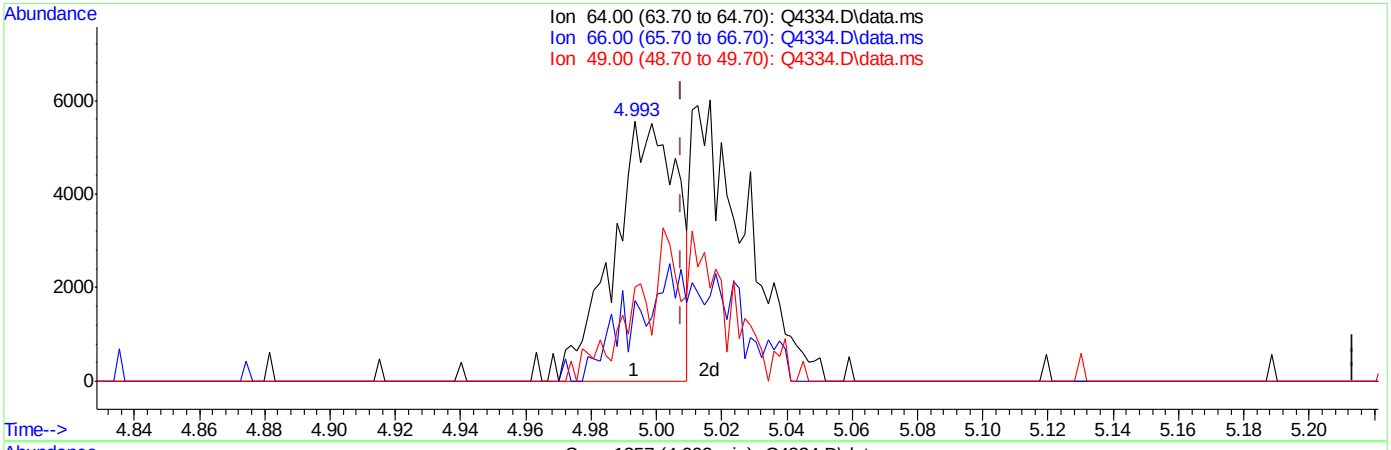
Average of 16.318 to 16.322 min.: Q4334.D\data.ms
ic230-0.5 (M065)
Modified:subtracted

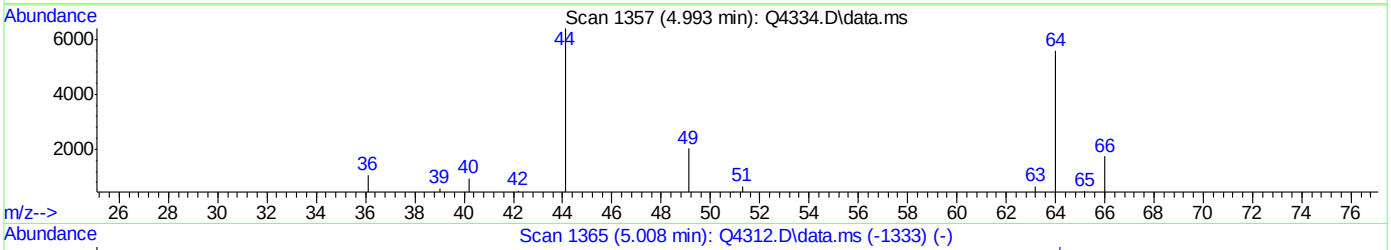
m/z	abund.	m/z	abund.	m/z	abund.	m/z	abund.
131.00	141	146.10	276	177.05	7193		
134.60	135	146.90	187	185.00	150		
135.00	151	147.80	462	189.90	133		
135.30	230	154.90	470	200.00	149		
135.50	165	157.00	164				
137.70	142	158.85	363				
141.05	1383	171.00	334				
142.00	134	172.05	2822				
143.00	2941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

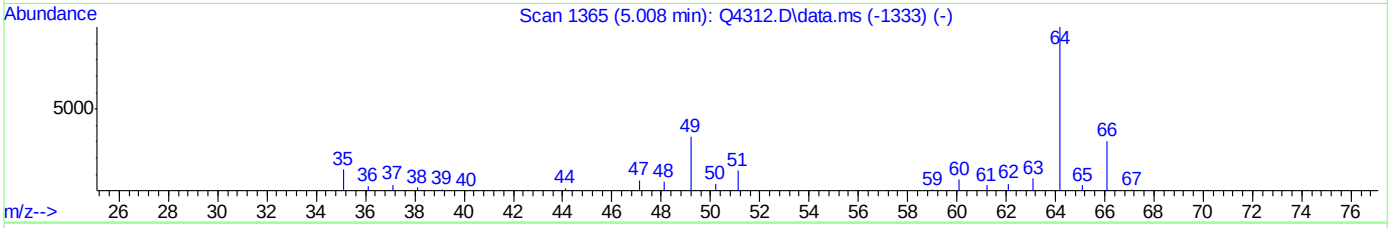
Quantitation Report (Qedit)

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

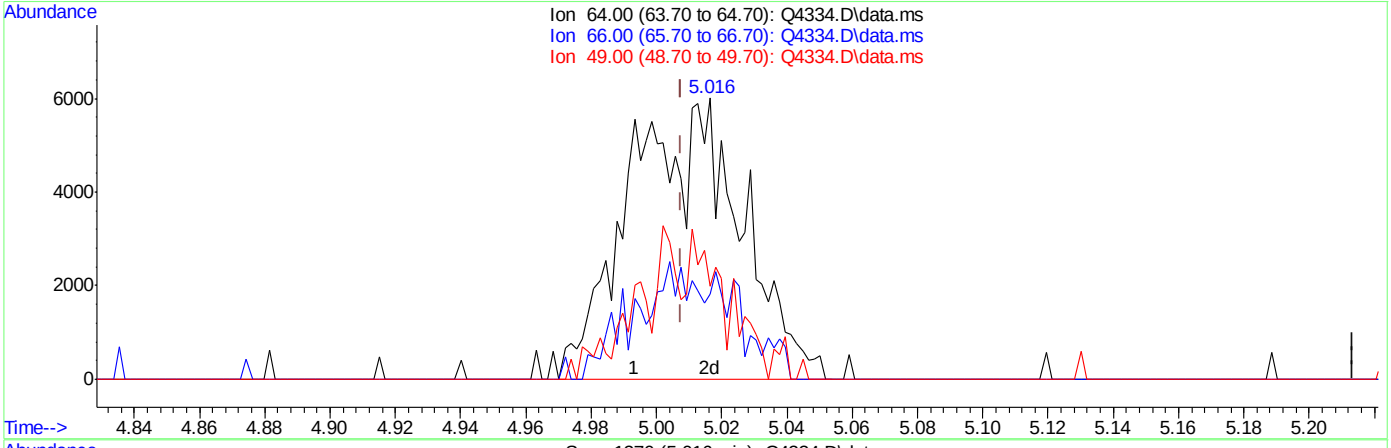
response 7537

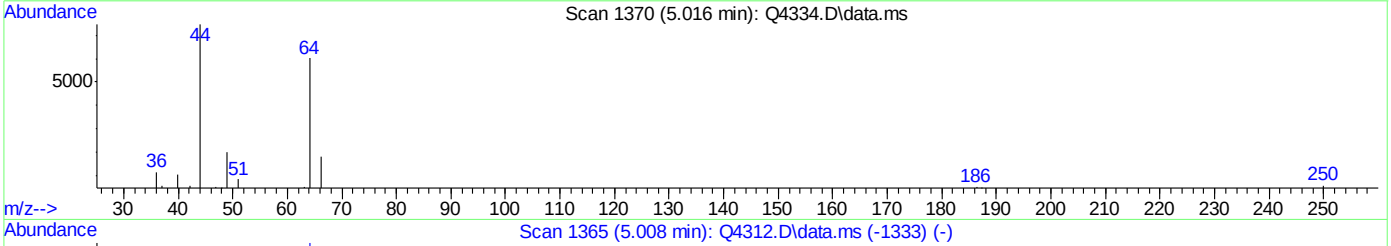
Ion	Exp%	Act%
64.00	100	100
66.00	31.30	67.64#
49.00	38.80	75.60#
0.00	0.00	0.00

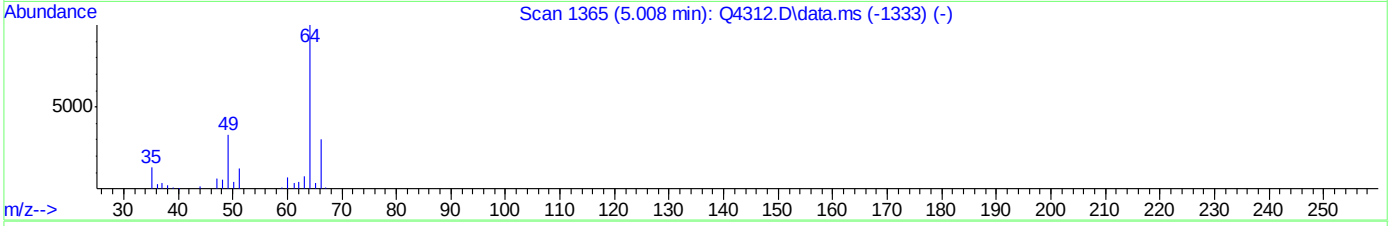
Quantitation Report (Qedit)

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

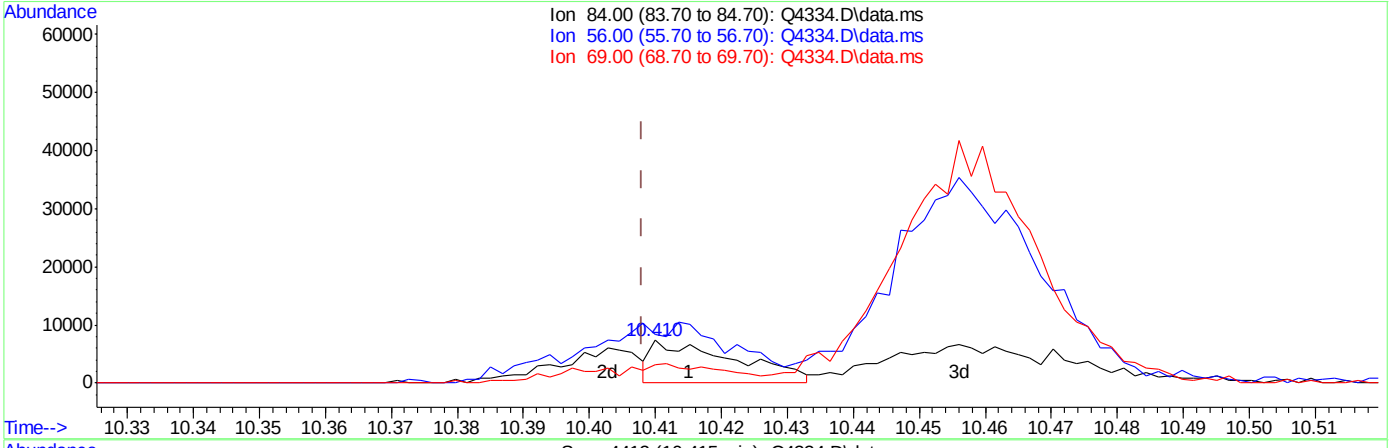
response 14301

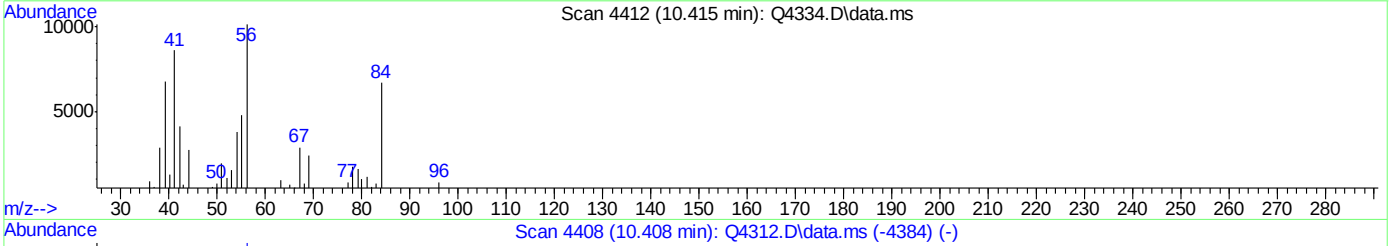
Ion	Exp%	Act%
64.00	100	100
66.00	31.30	35.65
49.00	38.80	39.84
0.00	0.00	0.00

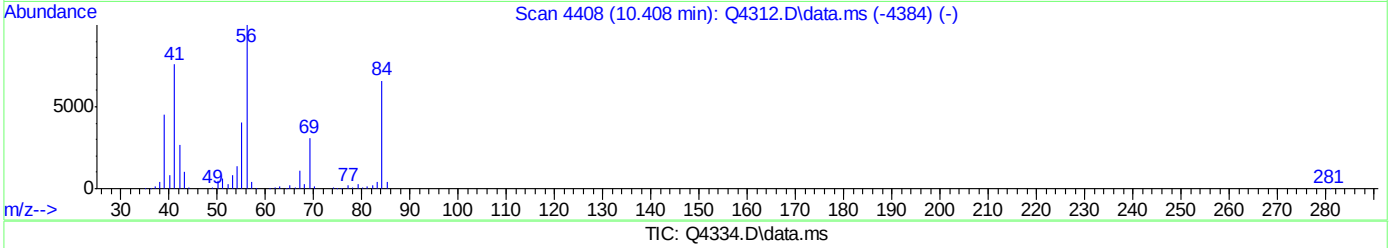
Quantitation Report (Qedit)

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

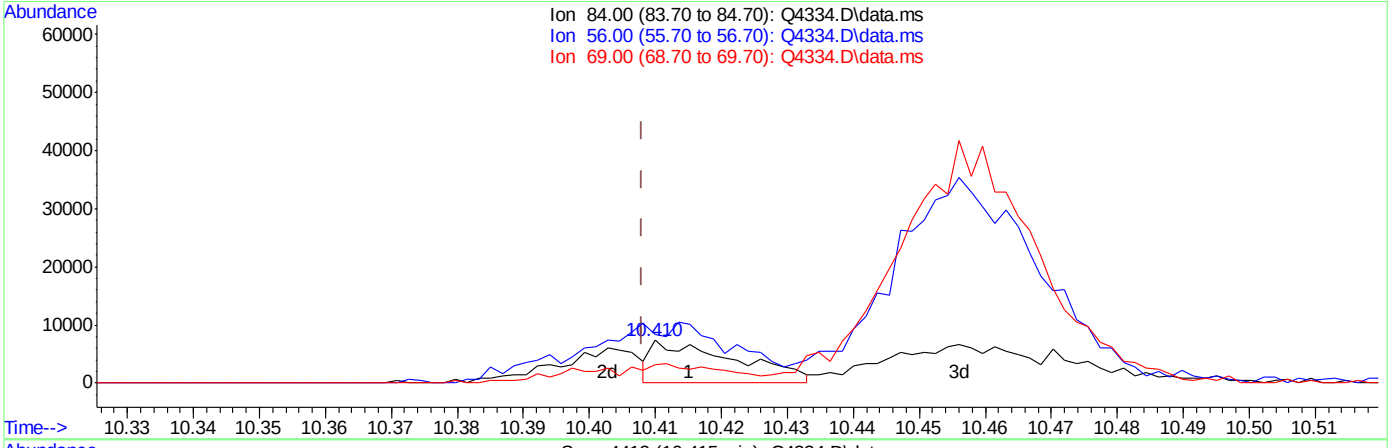
Ion	Exp%	Act%
84.00	100	100
56.00	155.60	257.99#
69.00	44.40	47.09
0.00	0.00	0.00

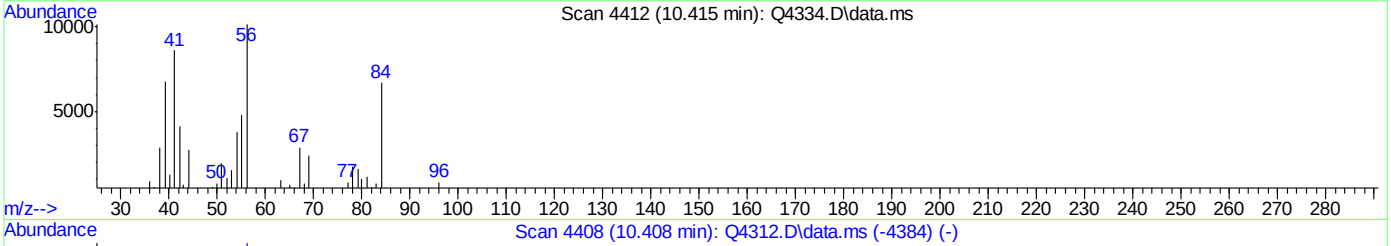
ACCUTEST Laboratories M67264

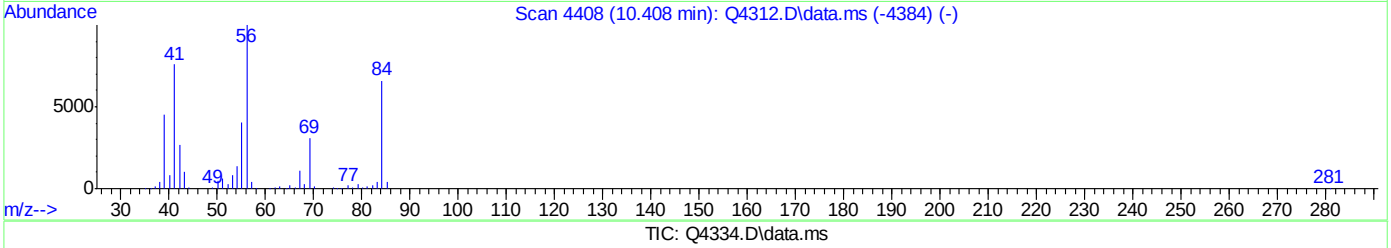
Quantitation Report (Qedit)

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

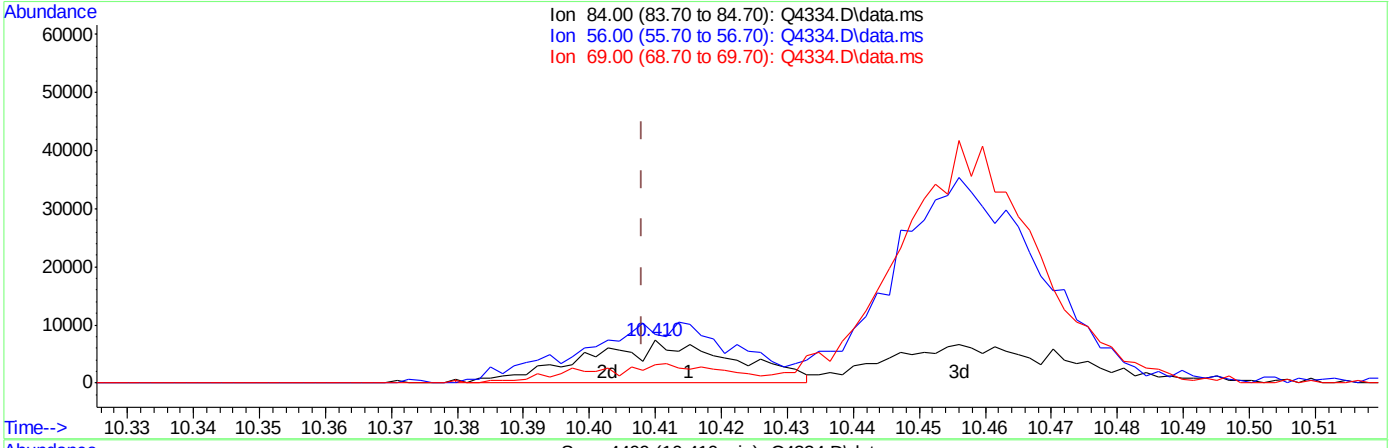
response 6451

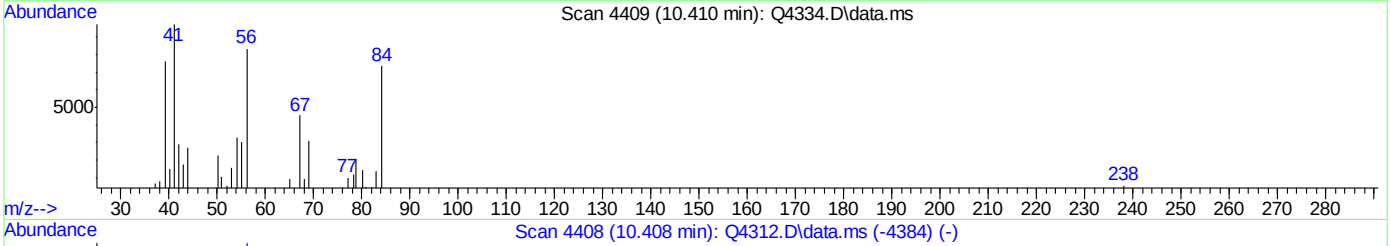
Ion	Exp%	Act%
84.00	100	100
56.00	155.60	257.99#
69.00	44.40	47.09
0.00	0.00	0.00

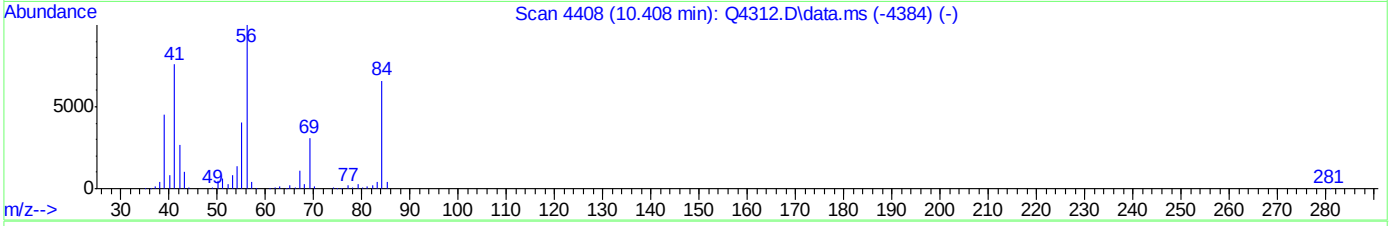
Quantitation Report (Qedit)

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

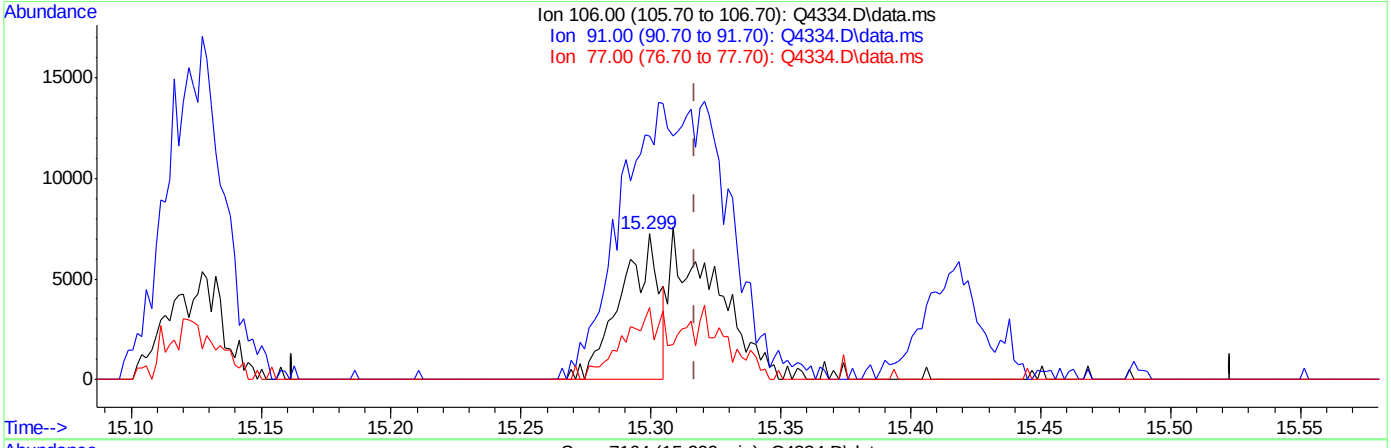
Ion	Exp%	Act%
84.00	100	100
56.00	155.60	143.67
69.00	44.40	26.23
0.00	0.00	0.00

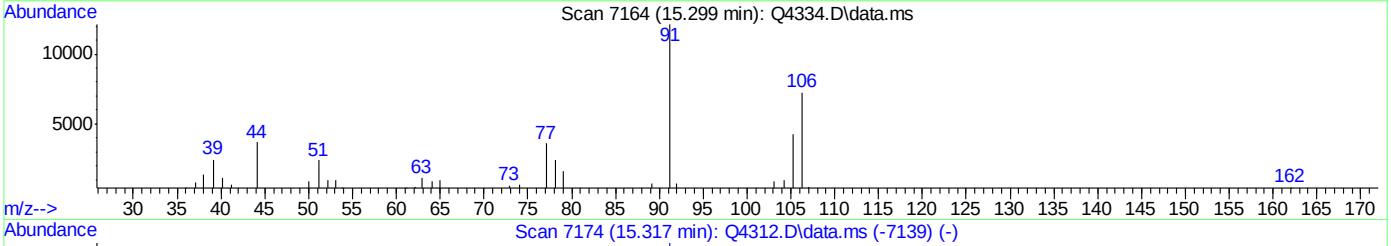
ACCUTEST Laboratories M67264

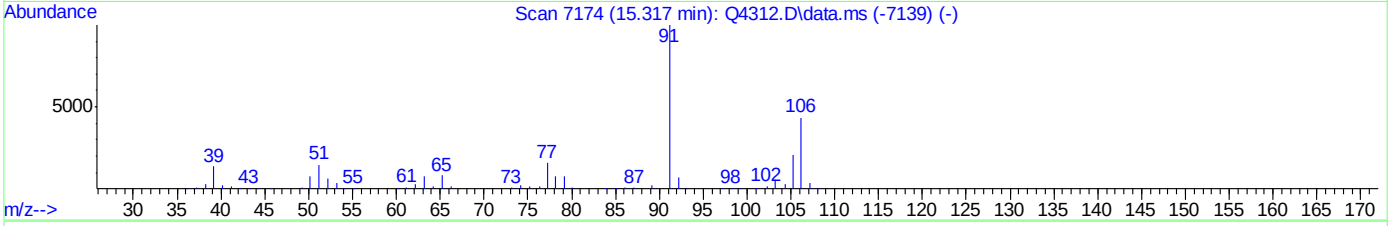
Quantitation Report (Qedit)

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

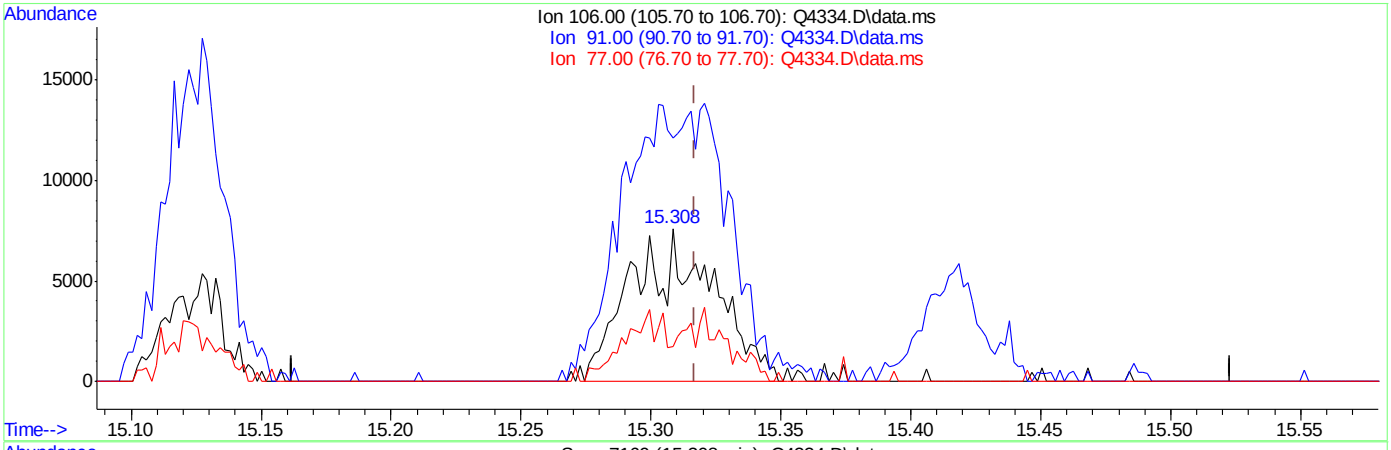
Ion	Exp%	Act%
106.00	100	100
91.00	231.70	167.17#
77.00	36.50	49.50#
0.00	0.00	0.00

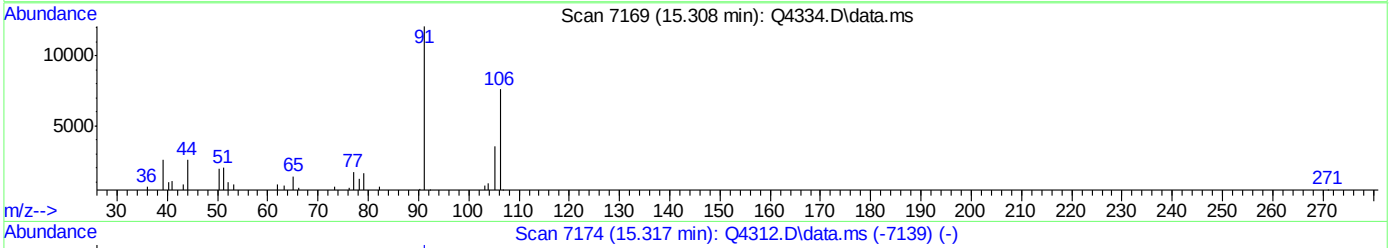
ACCUTEST Laboratories M67264

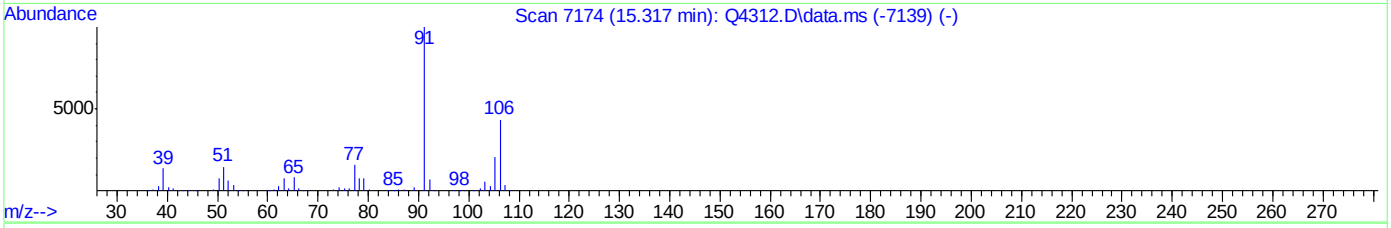
Quantitation Report (Qedit)

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

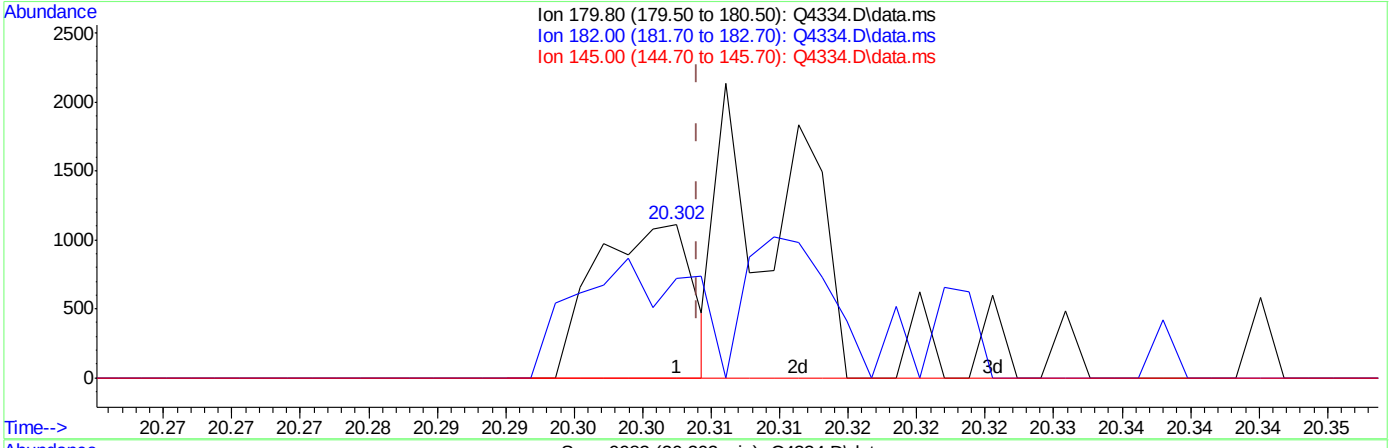
Ion	Exp%	Act%
106.00	100	100
91.00	231.70	158.85#
77.00	36.50	22.74#
0.00	0.00	0.00

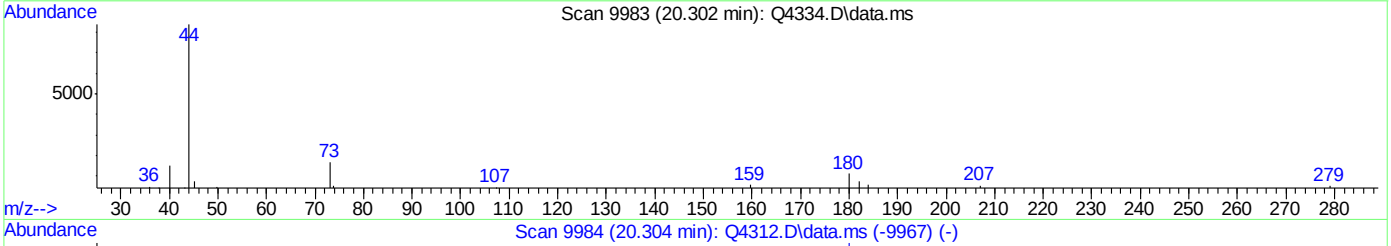
ACCUTEST Laboratories M67264

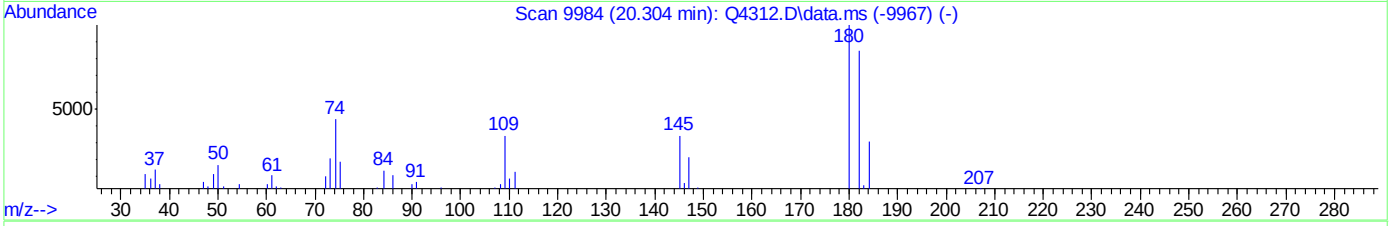
Quantitation Report (Qedit)

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

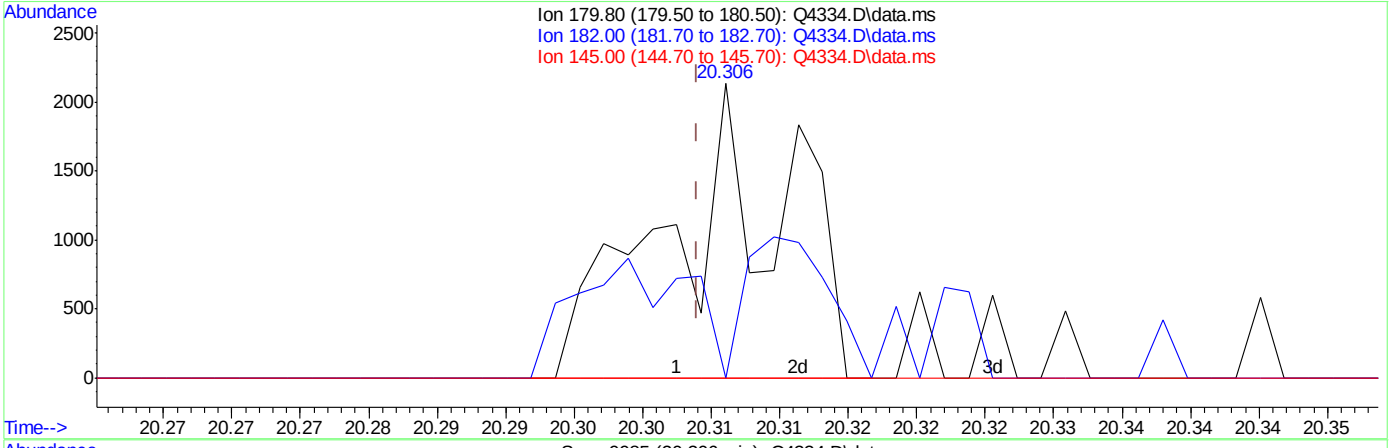
response 552

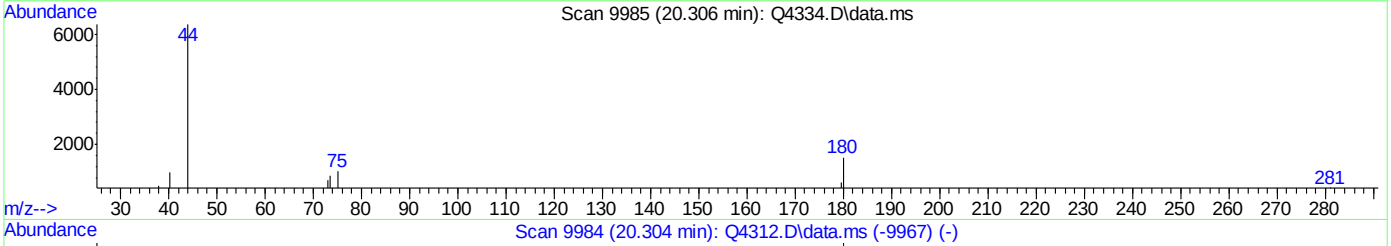
Ion	Exp%	Act%
179.80	100	100
182.00	96.80	0.00#
145.00	31.50	0.00#
0.00	0.00	0.00

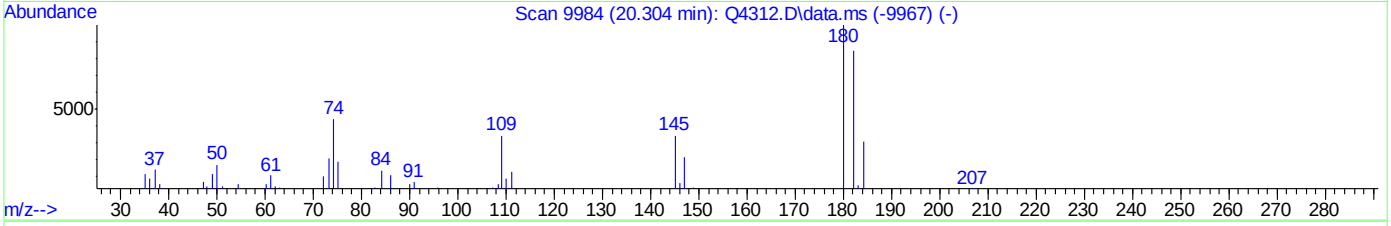
Quantitation Report (Qedit)

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

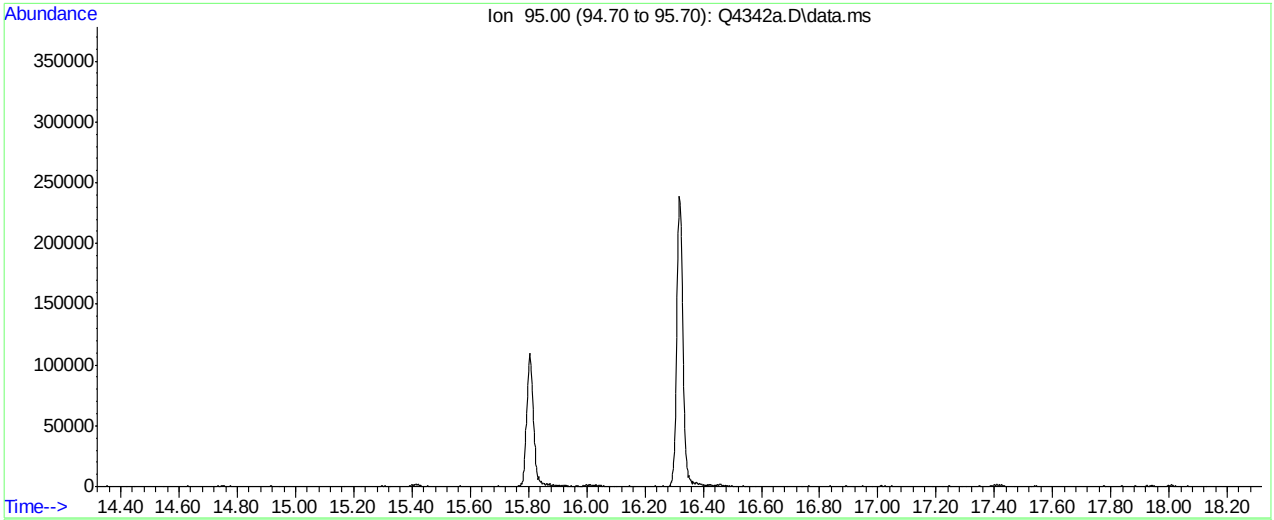
response 1298

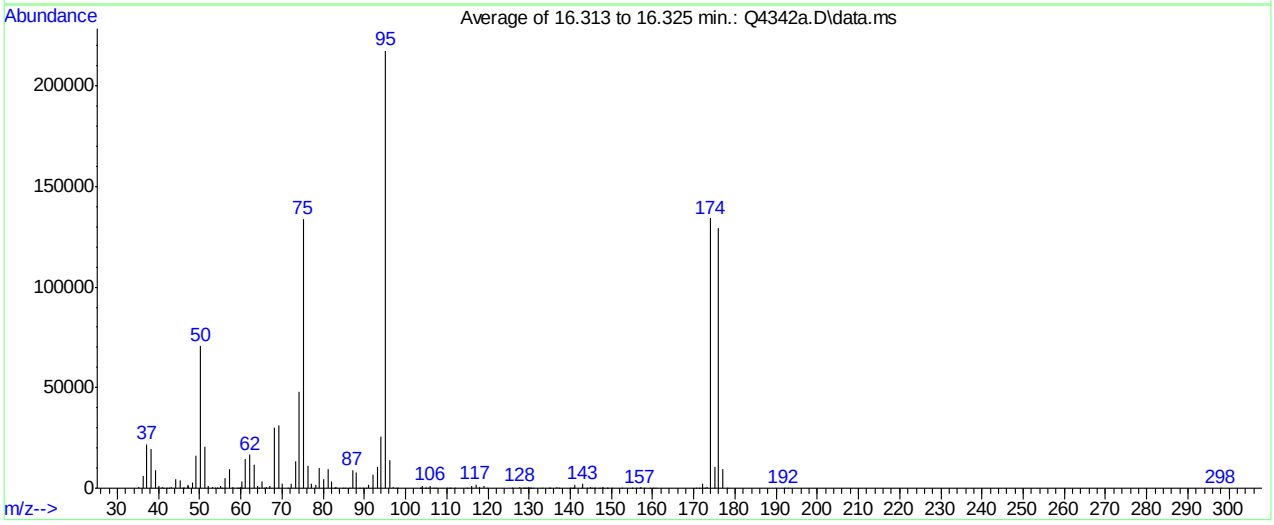
Ion	Exp%	Act%
179.80	100	100
182.00	96.80	0.00#
145.00	31.50	0.00#
0.00	0.00	0.00

BFB

```
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
```





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)

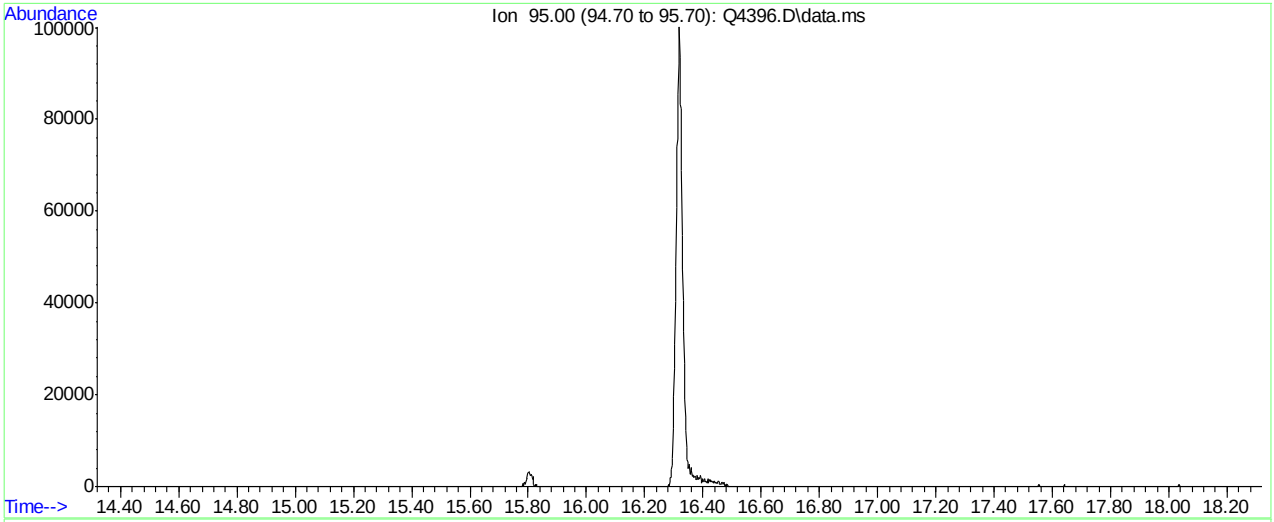
m/z	abund.	m/z	abund.	m/z	abund.	m/z	abund.
147.95	375	160.20	58	178.00	59		
148.90	63	160.80	50	191.90	108		
149.10	92	170.60	50	192.80	50		
150.00	67	171.30	51	298.00	60		
152.50	74	172.05	2071				
154.85	278	172.60	67				
156.15	112	173.10	462				
156.80	54	174.10	134158				
157.10	369	175.05	10839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

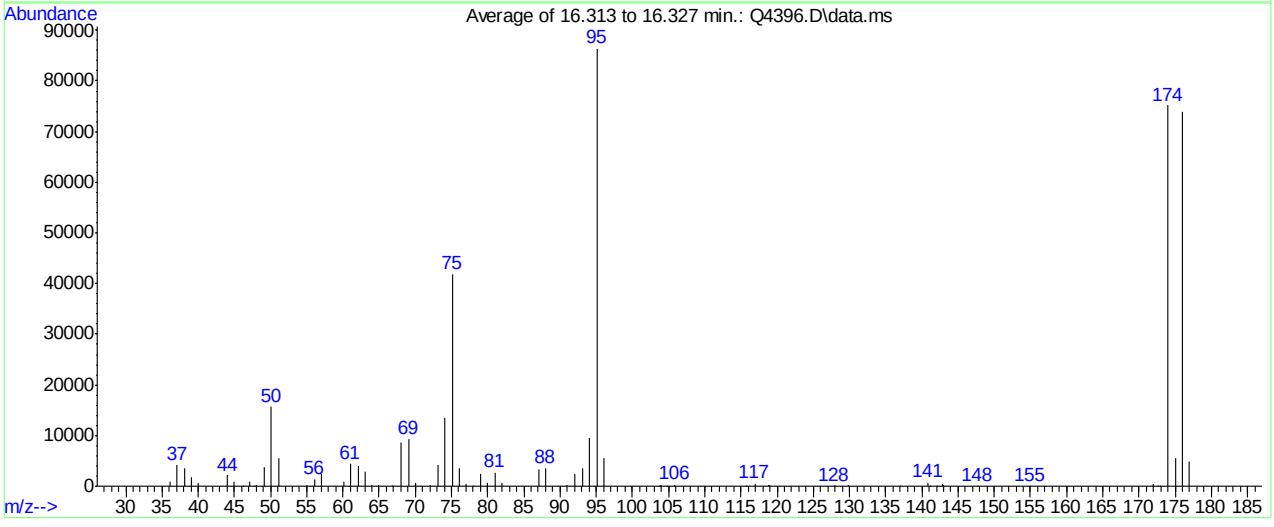
BFB

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

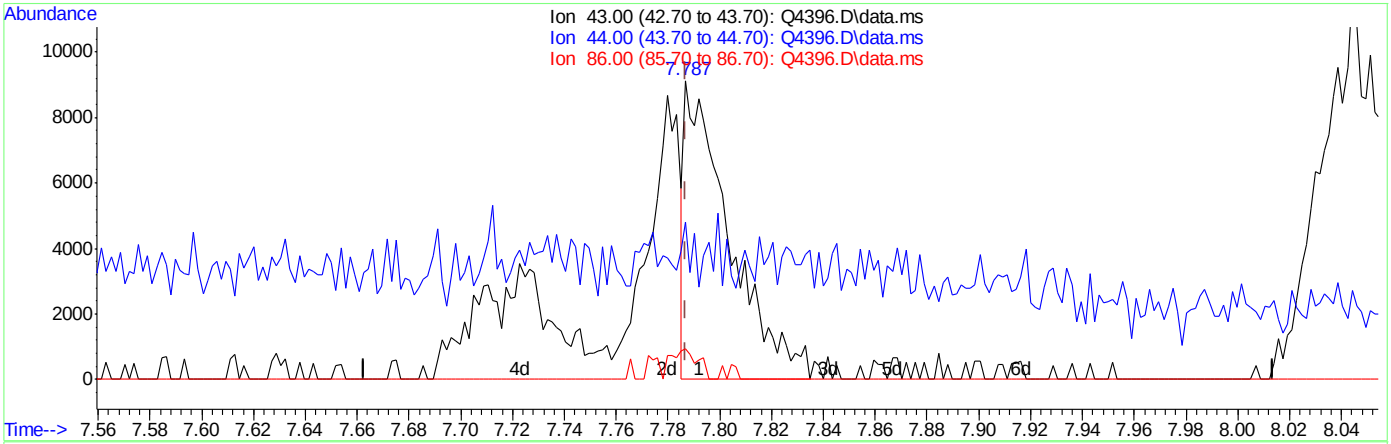
Average of 16.313 to 16.327 min.: Q4396.D\data.ms
ic232-0.5 (M050)

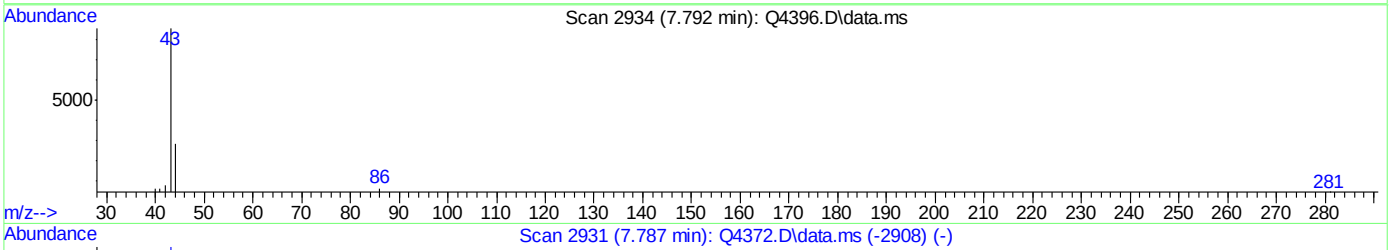
m/z	abund.	m/z	abund.	m/z	abund.	m/z	abund.
94.05	9581	119.05	124	155.00	51		
95.10	86401	127.95	164	157.00	48		
96.05	5592	129.90	131	171.95	540		
103.70	101	136.90	46	172.60	75		
103.80	64	140.90	670	172.85	110		
103.95	125	141.10	75	174.00	75170		
104.80	44	142.10	47	175.00	5613		
105.90	225	142.80	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				

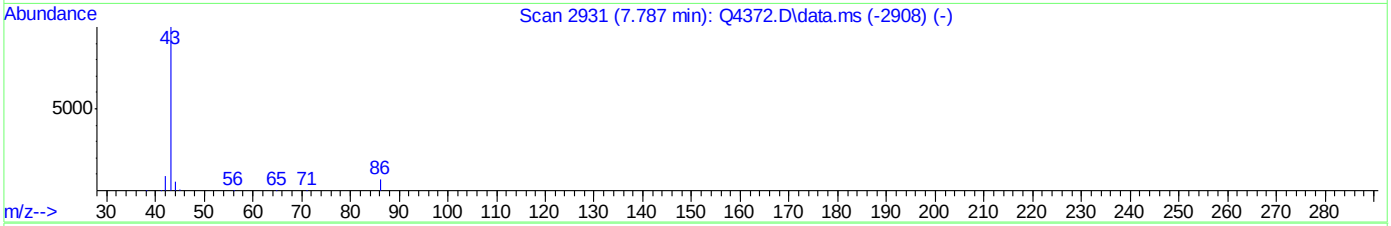
Quantitation Report (Qedit)

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

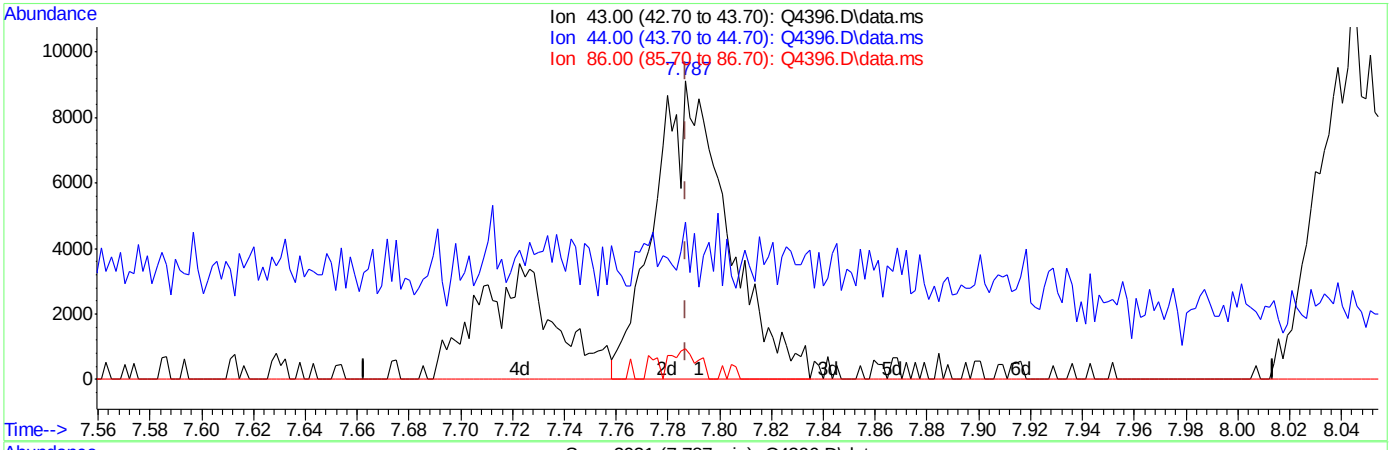
response 10923

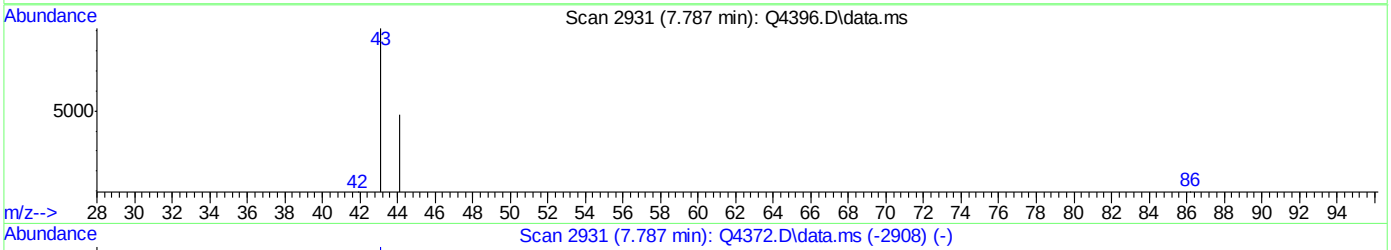
Ion	Exp%	Act%
43.00	100	100
44.00	6.40	25.62
86.00	7.50	8.23
0.00	0.00	0.00

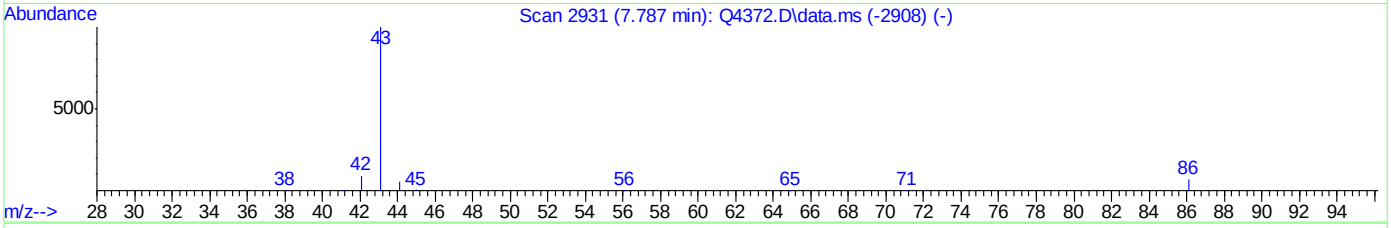
Quantitation Report (Qedit)

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

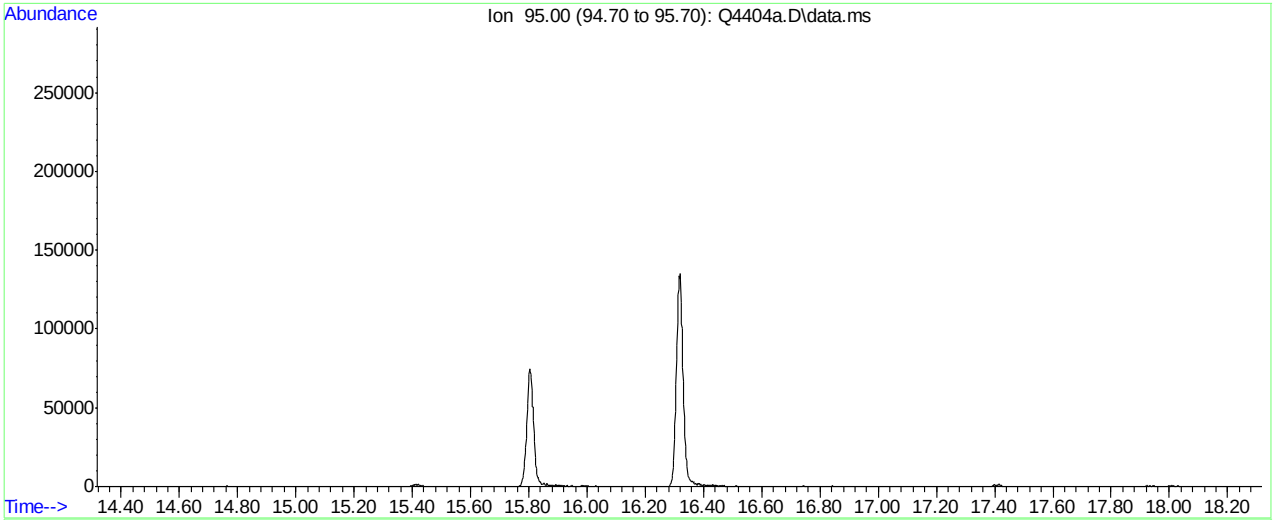
ACCUTEST Laboratories M67264

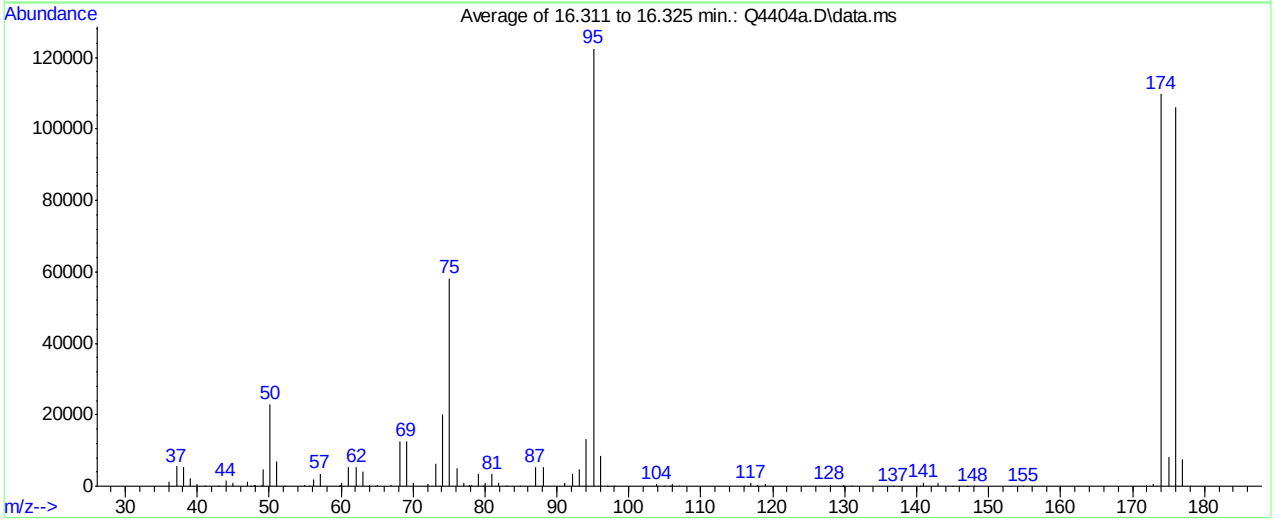
BFB

Data File : C:\msdchem\1\DATA\Q4404a.D
Acq On : 27 Aug 2007 3:23 pm
Sample : cc231-10 (M055)
Misc : MS14080, MSQ232,,,,,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 16.311 to 16.325 min.

Target Mass	Rel. to Mass	Lower Limit%	Upper Limit%	Rel. Abn%	Raw Abn	Result Pass/Fail
50	95	8	40	18.7	22917	PASS
75	95	30	66	47.5	58149	PASS
95	95	100	100	100.0	122521	PASS
96	95	5	9	6.9	8503	PASS
173	174	0.00	2	0.5	509	PASS
174	95	50	120	89.5	109672	PASS
175	174	4	9	7.4	8108	PASS
176	174	93	101	96.7	106066	PASS
177	176	5	9	7.0	7409	PASS

Q4404a.D Q082707T.m Tue Aug 28 11:57:32 2007 RPT1

Average of 16.311 to 16.325 min.: Q4404a.D\data.ms
cc231-10 (M055)

m/z	abund.	m/z	abund.	m/z	abund.	m/z	abund.
36.10	1357	47.85	283	59.80	112	69.10	12697
37.10	5625	48.05	459	59.90	177	70.05	1107
38.05	5217	49.00	427	60.05	892	72.00	560
39.10	2259	49.15	4799	61.05	5233	73.10	6174
39.95	570	50.10	22917	62.10	5425	74.10	20115
41.00	70	51.10	6770	63.10	4176	75.10	58149
42.90	62	52.10	152	63.95	205	76.10	5055
44.00	1571	55.00	378	64.80	45	77.00	893
45.00	1075	55.50	48	65.05	426	77.85	237
47.05	1272	56.10	2025	66.95	279	78.10	437
47.40	61	57.05	3530	68.10	12594	79.00	3417

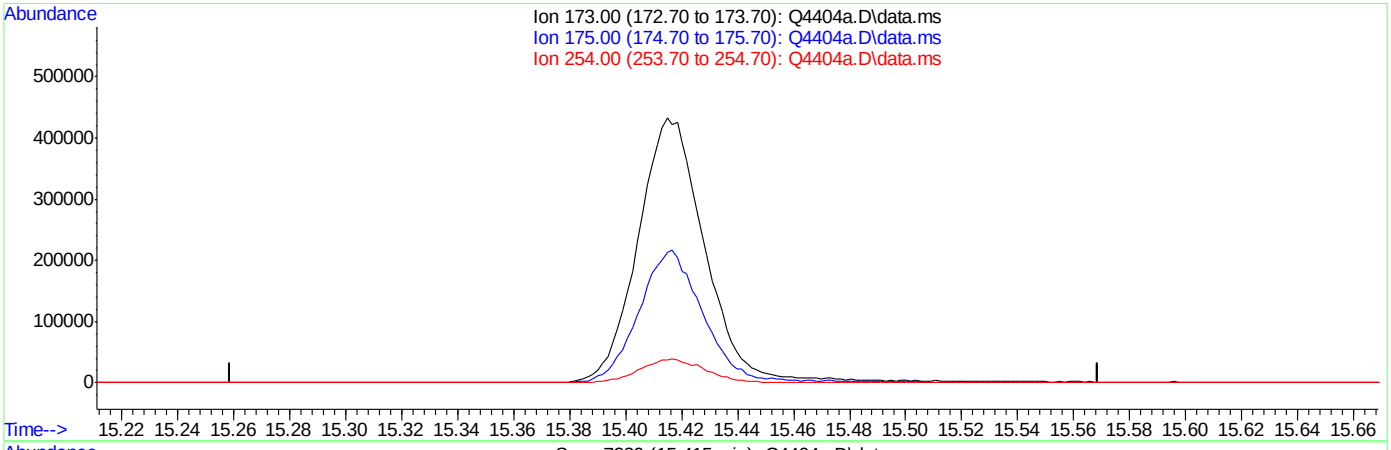
Average of 16.311 to 16.325 min.: Q4404a.D\data.ms
cc231-10 (M055)

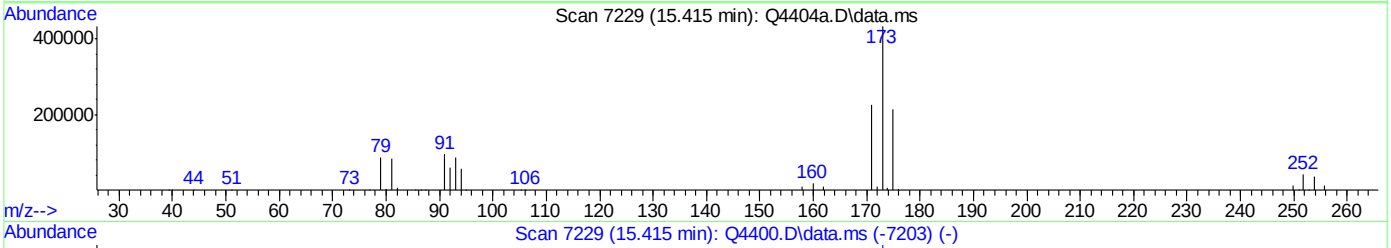
m/z	abund.	m/z	abund.	m/z	abund.	m/z	abund.
79.70	86	94.10	13273	116.95	895	145.00	45
80.00	937	95.10	122521	117.95	413	147.00	100
81.00	3445	96.05	8503	118.95	581	147.95	114
81.95	923	97.00	115	128.00	421	154.85	115
83.00	164	97.90	44	129.70	48	171.90	399
84.90	73	103.90	518	129.95	369	172.95	509
86.95	5427	105.00	44	130.90	60	174.00	109672
88.05	5259	105.70	85	136.80	45	175.00	8108
91.05	833	106.00	515	140.40	52	176.00	106066
92.10	3534	106.95	93	140.95	1090	177.00	7409
93.10	4838	115.95	164	142.90	1088	178.00	66

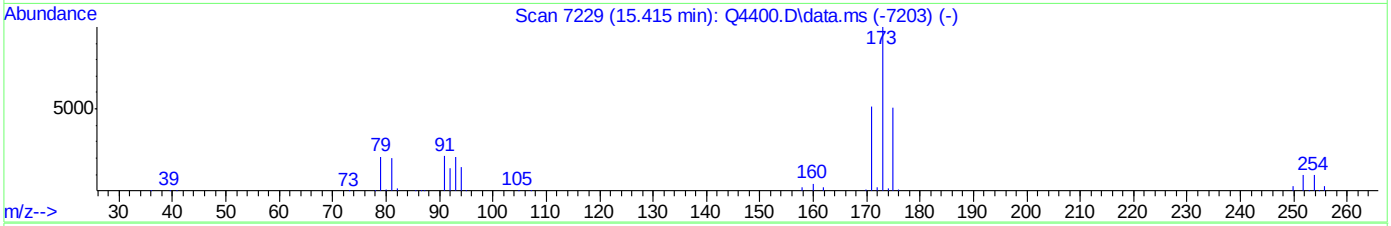
Quantitation Report (Qedit)

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

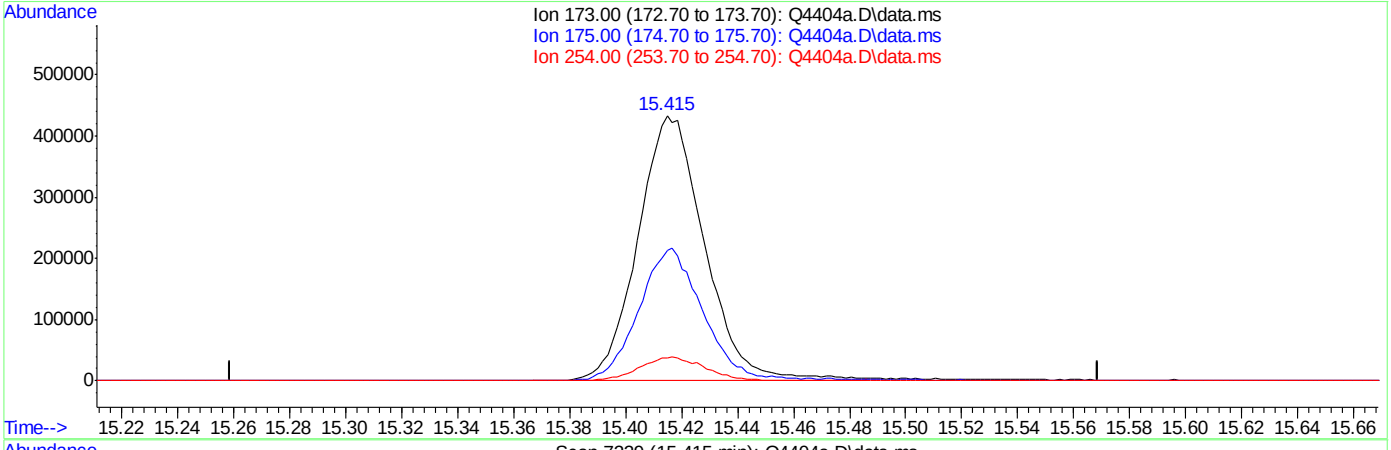
response 0

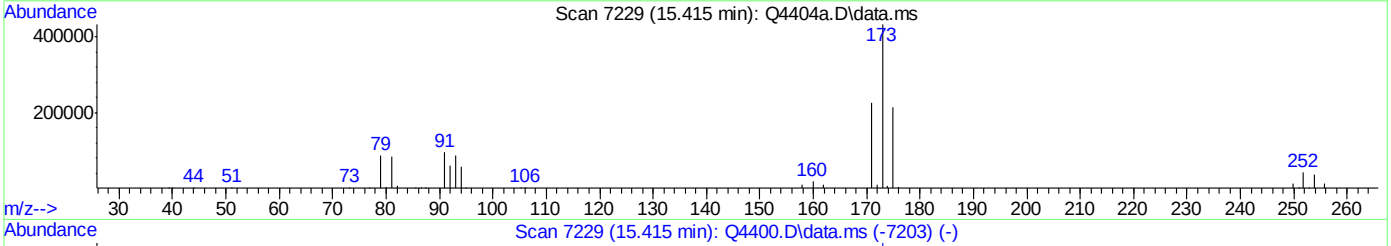
Ion	Exp%	Act%
173.00	100	0.00
175.00	48.70	0.00#
254.00	9.10	0.00
0.00	0.00	0.00

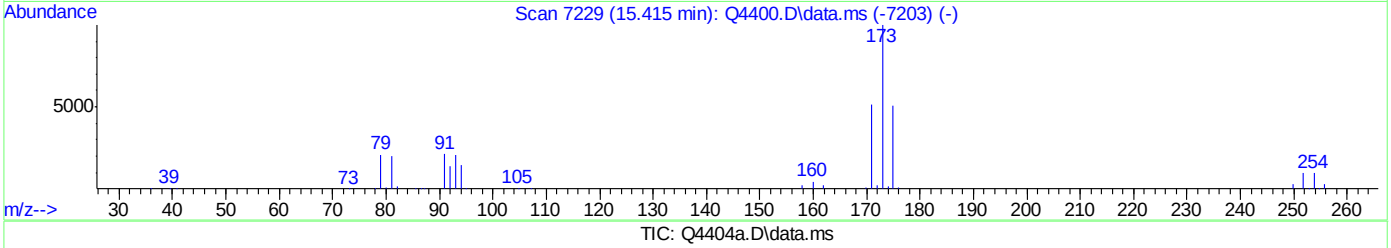
Quantitation Report (Qedit)

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

Manual Integrations APPROVED (compounds with "m" flag)
Doug Yargeau
08/17/07 15:52

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\
Data File : Q4308.D
Acq On : 16 Aug 2007 12:06 pm
Operator : danat
Sample : ic229-0.5 (M065)
Misc : MS14080, MSQ229,,,,,1
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Aug 16 12:34:43 2007
Quant Method : C:\msdchem\1\METHODS\Q081607T.m
Quant Title : TO15 by GCMS w/DB-1 60 m X .25 mm ID 1.0 um
QLast Update : Thu Aug 16 12:33:37 2007
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) BROMOCHLOROMETHANE	8.628	128	156689	10.00	PPBV	0.00
35) 1,4-DIFLUOROBENZENE	10.458	114	667135	10.00	PPBV	0.00
49) CHLOROBENZENE-D5	14.703	117	482214	10.00	PPBV	0.00

System Monitoring Compounds

61) 4-BROMOFLUOROBENZENE	16.322	95	128321	3.51	PPBV	0.00

Spiked Amount 5.000 Range 57 - 139 Recovery = 70.20%

Target Compounds						Qvalue
2) DICHLORODIFLUOROMETHANE	4.039	85	63612	0.72	PPBV	96
3) PROPYLENE	3.969	41	11520	0.96	PPBV	90
4) FREON 114	4.298	85	54334	0.69	PPBV	94
5) CHLOROMETHANE	4.198	50	17206	0.93	PPBV	88
6) VINYL CHLORIDE	4.422	62	16494	0.77	PPBV	96
7) 1,3-BUTADIENE	4.557	39	16357	0.93	PPBV	84
8) BROMOMETHANE	4.832	94	16388	0.68	PPBV	95
9) CHLOROETHANE	5.013	64	7543m	0.79	PPBV	
10) TRICHLOROFLUOROMETHANE	5.790	101	60843	0.65	PPBV	100
11) ISOPROPYL ALCOHOL	5.844	45	26609	0.65	PPBV	82
12) ACETONE	5.613	43	38005	0.59	PPBV	82
13) PENTANE	6.140	42	25354	1.01	PPBV	88
14) 1,1-DICHLOROETHYLENE	6.424	96	15991	0.67	PPBV	89
15) CARBON DISULFIDE	6.855	76	58112	0.76	PPBV	97
16) ETHANOL	5.114	45	6492	0.71	PPBV	79
17) BROMOETHENE	5.368	106	14463	0.66	PPBV #	89
18) METHYLENE CHLORIDE	6.537	84	44159	1.11	PPBV	83
19) 3-CHLOROPROPENE	6.656	39	17130	0.60	PPBV	86
20) FREON 113	6.797	151	31936	0.67	PPBV	92
21) TRANS-1,2-DICHLOROETHY...	7.467	96	16378	0.72	PPBV	92
22) TERTIARY BUTYL ALCOHOL	6.454	59	23592	0.49	PPBV #	60
23) METHYL TERTIARY BUTYL ...	7.721	73	26838	0.48	PPBV	80
24) TETRAHYDROFURAN	9.155	42	7109	0.53	PPBV #	41
25) HEXANE	8.665	57	41444	1.50	PPBV #	80
26) VINYL ACETATE	7.792	43	29067	0.62	PPBV #	82
27) 1,1-DICHLOROETHANE	7.663	63	37065	0.75	PPBV	98
28) METHYL ETHYL KETONE	8.050	43	20476	0.58	PPBV	91
29) cis-1,2-DICHLOROETHYLENE	8.468	96	8915m	0.52	PPBV	
30) ETHYL ACETATE	8.669	43	60046	1.11	PPBV #	96
31) CHLOROFORM	8.749	83	40981	0.71	PPBV	94
32) 1,1,1-TRICHLOROETHANE	9.707	97	40281	0.68	PPBV	93
33) CARBON TETRACHLORIDE	10.286	117	47606	0.69	PPBV	100
34) 1,2-DICHLOROETHANE	9.459	62	23698	0.65	PPBV	99
36) BENZENE	10.142	78	26062	0.62	PPBV	93
37) CYCLOHEXANE	10.408	84	9097	0.51	PPBV	88
38) TRICHLOROETHYLENE	11.145	95	14988	0.57	PPBV	99
39) 1,2-DICHLOROPROPANE	10.918	63	11058	0.74	PPBV	89
40) BROMODICHLOROMETHANE	11.100	83	33654	0.66	PPBV	96
41) 2,2,4-TRIMETHYLPENTANE	11.164	57	45478	0.62	PPBV	86
42) 1,4-DIOXANE	11.163	88	3060	0.36	PPBV #	1
43) HEPTANE	11.402	43	15408	0.63	PPBV	91

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\
Data File : Q4308.D
Acq On : 16 Aug 2007 12:06 pm
Operator : danat
Sample : ic229-0.5 (M065)
Misc : MS14080, MSQ229,,,,,1
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Aug 16 12:34:43 2007
Quant Method : C:\msdchem\1\METHODS\Q081607T.m
Quant Title : TO15 by GCMS w/DB-1 60 m X .25 mm ID 1.0 um
QLast Update : Thu Aug 16 12:33:37 2007
Response via : Initial Calibration

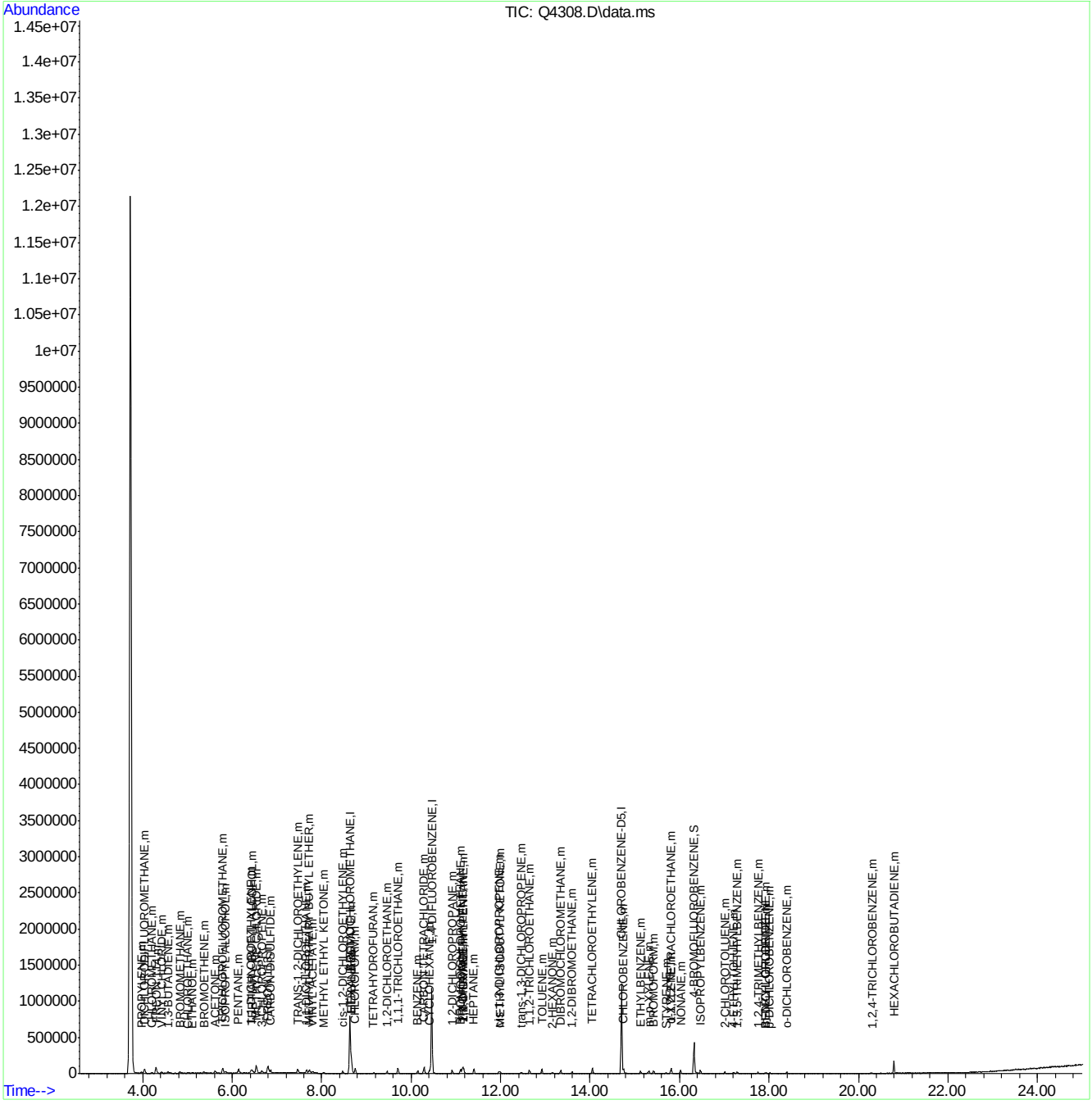
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) METHYL ISOBUTYL KETONE	11.986	43	14231	0.42	PPBV	84
45) cis-1,3-DICHLOROPROPENE	11.961	75	8860	0.42	PPBV	99
46) TOLUENE	12.916	92	20315	0.78	PPBV	89
47) trans-1,3-DICHLOROPROPENE	12.458	75	6383	0.33	PPBV	91
48) 1,1,2-TRICHLOROETHANE	12.641	83	11169	0.66	PPBV	95
50) 2-HEXANONE	13.152	43	8802	0.38	PPBV #	82
51) TETRACHLOROETHYLENE	14.054	164	12014	0.60	PPBV	97
52) DIBROMOCHLOROMETHANE	13.344	129	20839	0.58	PPBV	98
53) 1,2-DIBROMOETHANE	13.597	107	12285	0.55	PPBV #	94
54) CHLOROBENZENE	14.744	112	20184	0.60	PPBV	88
55) ETHYLBENZENE	15.120	91	16129	0.32	PPBV	99
56) m,p-XYLENE	15.323	106	11330	0.64	PPBV #	81
57) o-XYLENE	15.821	106	5704	0.31	PPBV	94
58) STYRENE	15.702	104	3775	0.17	PPBV	93
59) NONANE	16.024	43	12711	0.45	PPBV #	89
60) BROMOFORM	15.418	173	14726	0.47	PPBV	99
62) 1,1,2,2-TETRACHLOROETHANE	15.809	83	24670	0.65	PPBV	95
63) ISOPROPYLBENZENE	16.462	105	20203	0.33	PPBV	94
64) 2-CHLOROTOLUENE	17.016	91	12162	0.28	PPBV	93
65) 4-ETHYLTOLUENE	17.204	105	9224	0.18	PPBV	98
66) 1,3,5-TRIMETHYLBENZENE	17.284	105	12548	0.24	PPBV	94
67) 1,2,4-TRIMETHYLBENZENE	17.752	105	8739	0.20	PPBV	96
68) m-DICHLOROBENZENE	17.933	146	5217	0.20	PPBV	100
69) BENZYL CHLORIDE	17.912	91	4449	0.16	PPBV #	64
70) p-DICHLOROBENZENE	18.008	146	4072	0.18	PPBV	93
71) o-DICHLOROBENZENE	18.398	146	6554	0.26	PPBV	96
72) HEXACHLOROBUTADIENE	20.789	225	21526	0.54	PPBV	98
73) 1,2,4-TRICHLOROBENZENE	20.304	180	1138	0.14	PPBV #	79

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

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\
Data File : Q4308.D
Acq On : 16 Aug 2007 12:06 pm
Operator : danat
Sample : ic229-0.5 (M065)
Misc : MS14080, MSQ229,,,,,1
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Aug 16 12:34:43 2007
Quant Method : C:\msdchem\1\METHODS\Q081607T.m
Quant Title : TO15 by GCMS w/DB-1 60 m X .25 mm ID 1.0 um
QLast Update : Thu Aug 16 12:33:37 2007
Response via : Initial Calibration



Quantitation Report (Qedit)

```
Data Path : C:\msdchem\1\DATA\
Data File : Q4308.D
Acq On    : 16 Aug 2007  12:06 pm
Operator  : danat
Sample    : ic229-0.5 (M065)
Misc      : MS14080, MSQ229,,,,,1
ALS Vial  : 1   Sample Multiplier: 1

Quant Time: Aug 16 12:33:54 2007
Quant Method : C:\msdchem\1\METHODS\Q081607T.m
Quant Title  : TO15  by GCMS w/DB-1 60 m X .25 mm ID 1.0 um
QLast Update : Thu Aug 16 12:33:37 2007
Response via : Initial Calibration
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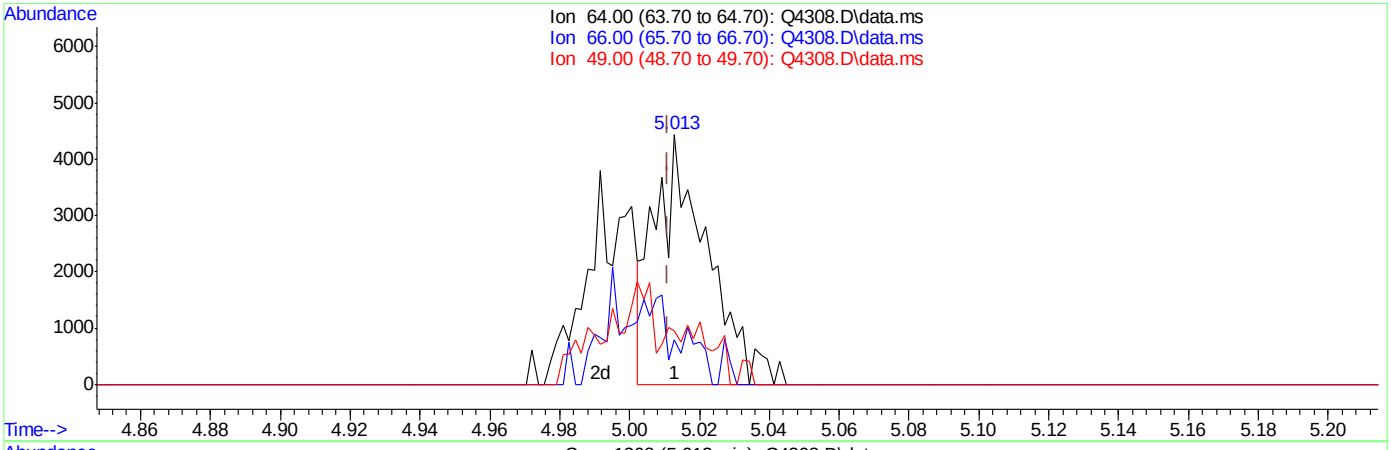
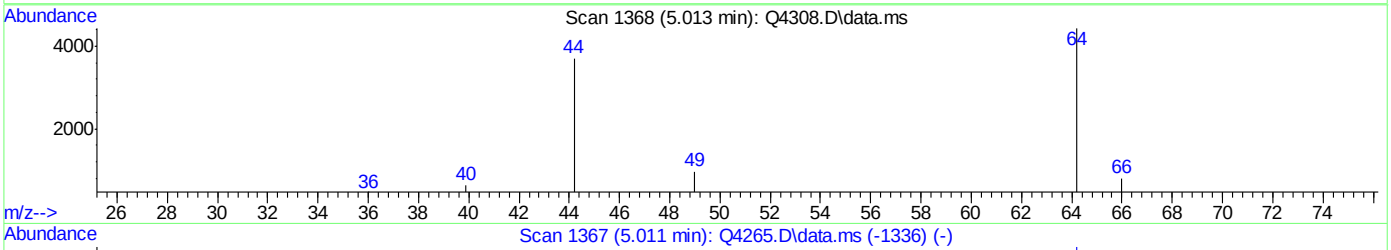
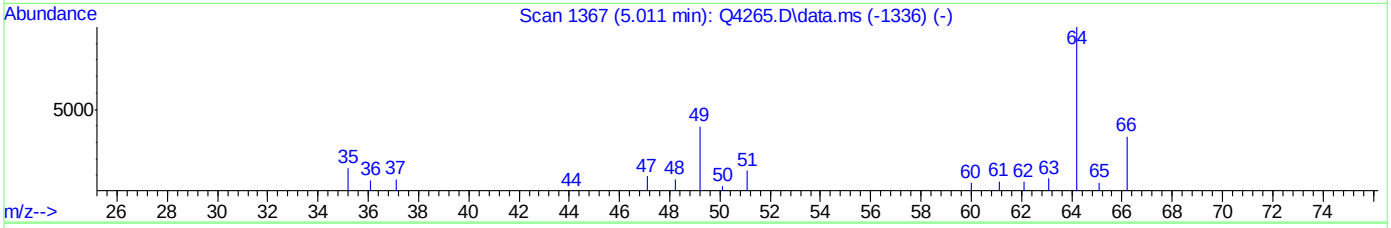






TIC: Q4308.D\data.ms

(9) CHLOROETHANE (m)

5.013min (+0.002) 0.49PPBV

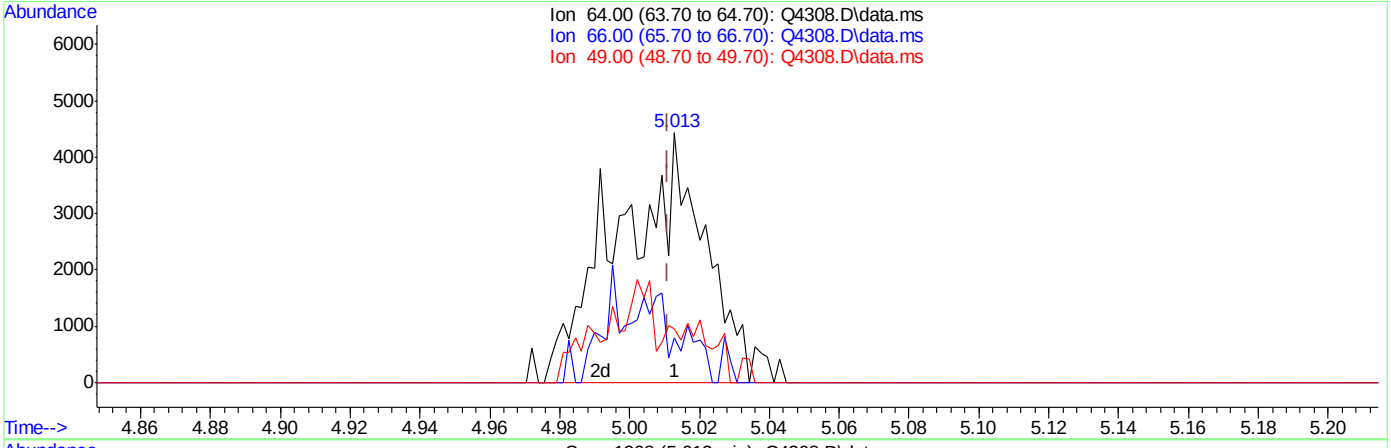
response 4659

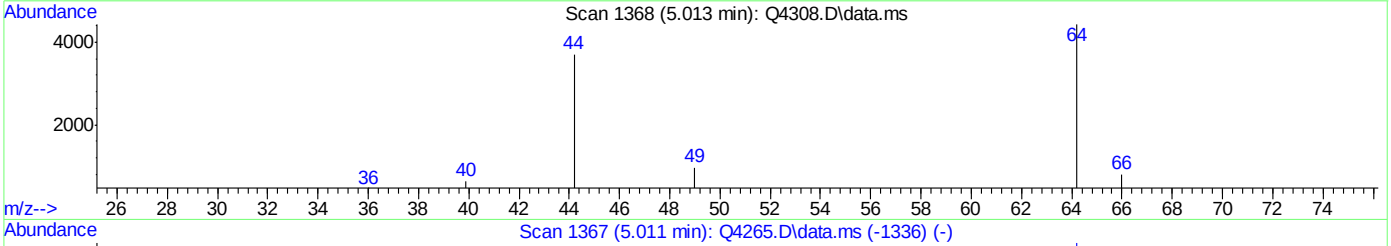
Ion	Exp%	Act%
64.00	100	100
66.00	33.20	0.00#
49.00	37.30	59.54#
0.00	0.00	0.00

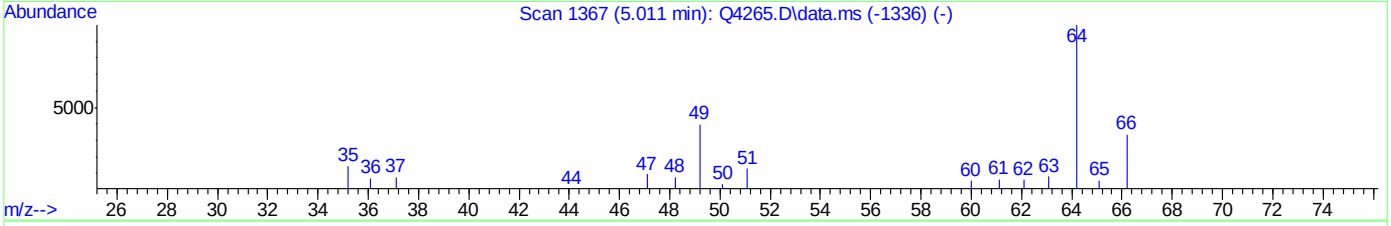
Quantitation Report (Qedit)

```
Data Path : C:\msdchem\1\DATA\
Data File : Q4308.D
Acq On    : 16 Aug 2007  12:06 pm
Operator  : danat
Sample    : ic229-0.5 (M065)
Misc      : MS14080, MSQ229,,,,,1
ALS Vial  : 1   Sample Multiplier: 1

Quant Time: Aug 16 12:33:54 2007
Quant Method : C:\msdchem\1\METHODS\Q081607T.m
Quant Title  : TO15  by GCMS w/DB-1 60 m X .25 mm ID 1.0 um
QLast Update : Thu Aug 16 12:33:37 2007
Response via : Initial Calibration
```





TIC: Q4308.D\data.ms

(9) CHLOROETHANE (m)

5.013min (+0.002) 0.79PPBV m

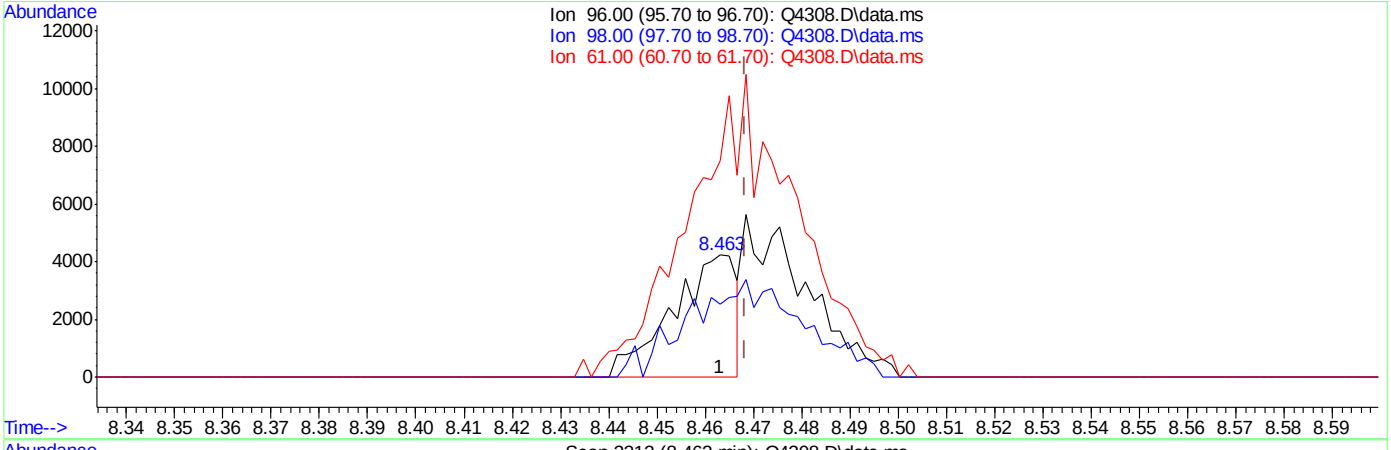
response 7543

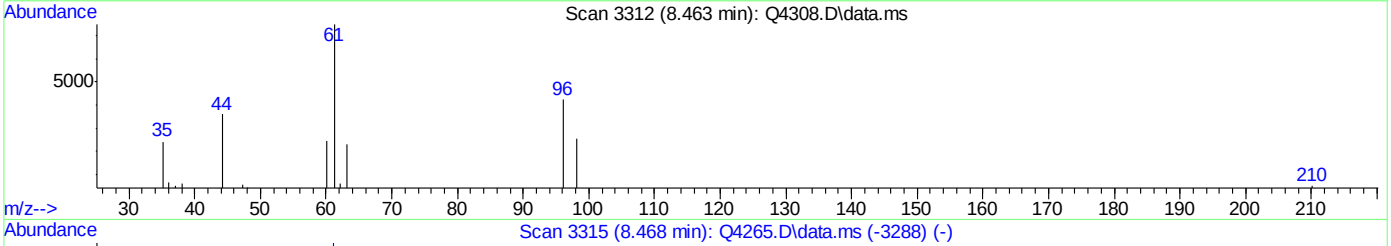
Ion	Exp%	Act%
64.00	100	100
66.00	33.20	0.00#
49.00	37.30	36.78
0.00	0.00	0.00

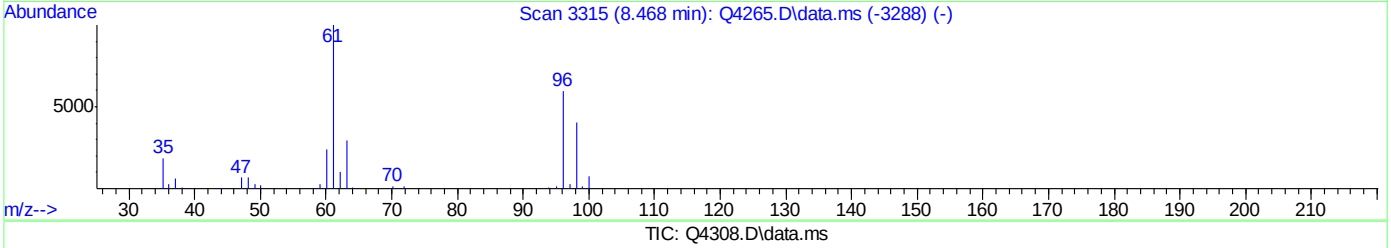
Quantitation Report (Qedit)

```
Data Path : C:\msdchem\1\DATA\
Data File : Q4308.D
Acq On    : 16 Aug 2007  12:06 pm
Operator  : danat
Sample    : ic229-0.5 (M065)
Misc      : MS14080, MSQ229,,,,,1
ALS Vial  : 1   Sample Multiplier: 1

Quant Time: Aug 16 12:33:54 2007
Quant Method : C:\msdchem\1\METHODS\Q081607T.m
Quant Title  : TO15  by GCMS w/DB-1 60 m X .25 mm ID 1.0 um
QLast Update : Thu Aug 16 12:33:37 2007
Response via : Initial Calibration
```





TIC: Q4308.D\data.ms

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

8.463min (-0.005) 0.23PPBV

response 3898

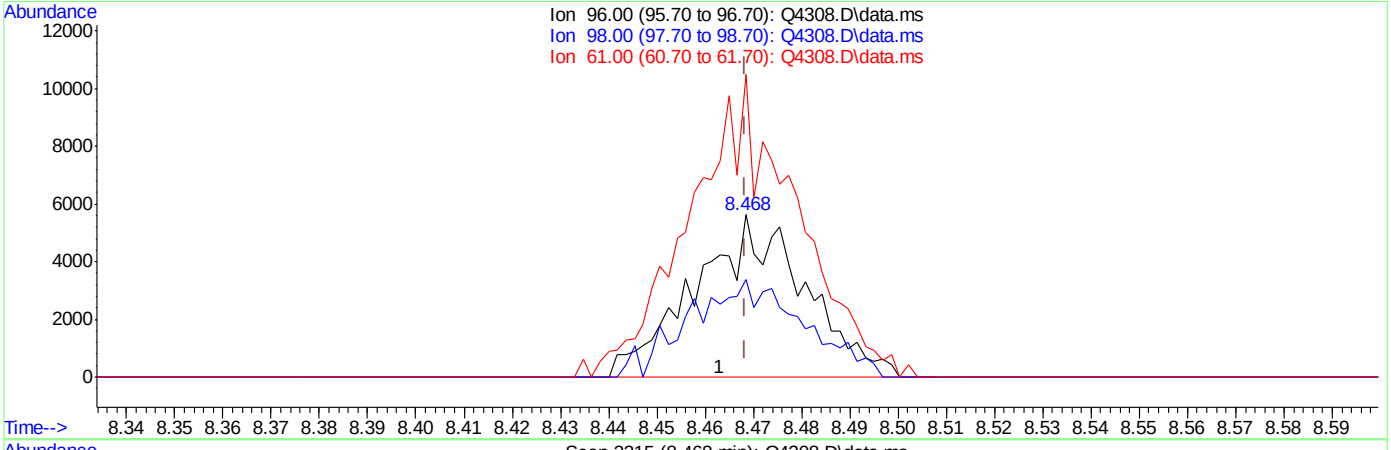
Ion	Exp%	Act%
96.00	100	100
98.00	63.30	142.38#
61.00	164.90	412.01#
0.00	0.00	0.00

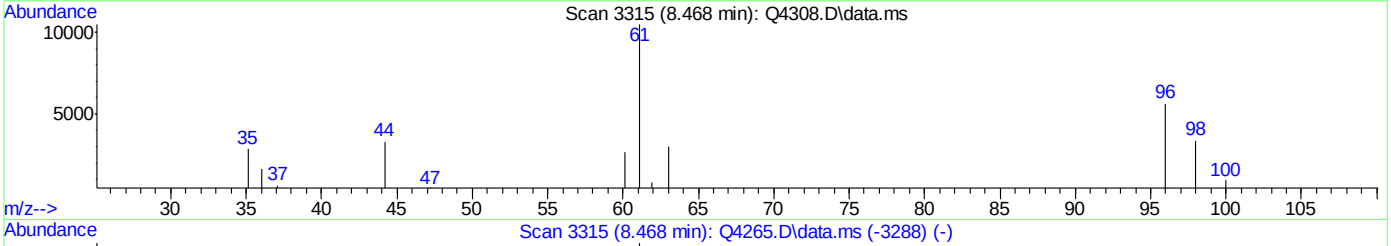
ACCUTEST Laboratories M67264

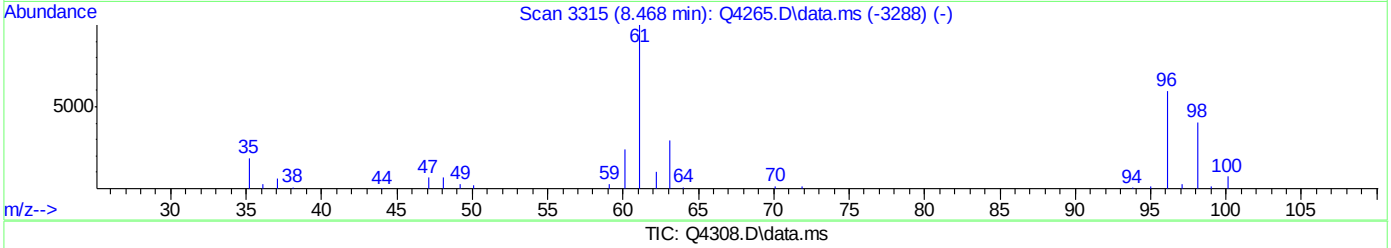
Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\
Data File : Q4308.D
Acq On : 16 Aug 2007 12:06 pm
Operator : danat
Sample : ic229-0.5 (M065)
Misc : MS14080, MSQ229,,,,,1
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Aug 16 12:33:54 2007
Quant Method : C:\msdchem\1\METHODS\Q081607T.m
Quant Title : TO15 by GCMS w/DB-1 60 m X .25 mm ID 1.0 um
QLast Update : Thu Aug 16 12:33:37 2007
Response via : Initial Calibration







TIC: Q4308.D\data.ms

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

8.468min (+0.000) 0.52PPBV m

response 8915

Ion	Exp%	Act%
96.00	100	100
98.00	63.30	62.25
61.00	164.90	180.15
0.00	0.00	0.00

Manual Integrations APPROVED (compounds with "m" flag)
Doug Yargeau
08/17/07 15:52

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\
Data File : Q4309.D
Acq On : 16 Aug 2007 12:51 pm
Operator : danat
Sample : ic229-0.2 (M065)
Misc : MS14080, MSQ229,,,,,1
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Aug 16 13:43:20 2007
Quant Method : C:\msdchem\1\METHODS\Q081607T.m
Quant Title : TO15 by GCMS w/DB-1 60 m X .25 mm ID 1.0 um
QLast Update : Thu Aug 16 12:33:37 2007
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) BROMOCHLOROMETHANE	8.630	128	200854	10.00	PPBV	0.00
35) 1,4-DIFLUOROBENZENE	10.458	114	849031	10.00	PPBV	0.00
49) CHLOROBENZENE-D5	14.703	117	641616	10.00	PPBV	0.00
System Monitoring Compounds						
61) 4-BROMOFLUOROBENZENE	16.323	95	150453	3.09	PPBV	0.00
Spiked Amount 5.000	Range 57 - 139		Recovery = 61.80%			
Target Compounds						Qvalue
2) DICHLORODIFLUOROMETHANE	4.030	85	24425	0.22	PPBV	80
3) PROPYLENE	3.966	41	3046m	0.20	PPBV	
4) FREON 114	4.292	85	20849	0.21	PPBV	90
5) CHLOROMETHANE	4.196	50	6884	0.29	PPBV	79
6) VINYL CHLORIDE	4.424	62	5525	0.20	PPBV #	75
7) 1,3-BUTADIENE	4.564	39	6617	0.29	PPBV #	64
8) BROMOMETHANE	4.837	94	5643	0.18	PPBV #	12
9) CHLOROETHANE	5.004	64	2298	0.19	PPBV #	52
10) TRICHLOROFLUOROMETHANE	5.787	101	21910	0.18	PPBV	100
11) ISOPROPYL ALCOHOL	5.847	45	9950	0.19	PPBV #	50
12) ACETONE	5.616	43	16419	0.20	PPBV	94
13) PENTANE	6.133	42	9291	0.29	PPBV #	75
14) 1,1-DICHLOROETHYLENE	6.418	96	5520	0.18	PPBV	97
15) CARBON DISULFIDE	6.853	76	21149	0.22	PPBV	89
16) ETHANOL	5.123	45	2886m	0.25	PPBV	
17) BROMOETHENE	5.364	106	4353	0.15	PPBV #	18
18) METHYLENE CHLORIDE	6.534	84	14535	0.28	PPBV #	78
19) 3-CHLOROPROPENE	6.660	39	5981	0.16	PPBV #	83
20) FREON 113	6.796	151	11918	0.20	PPBV	94
21) TRANS-1,2-DICHLOROETHY...	7.464	96	4931	0.17	PPBV #	86
22) TERTIARY BUTYL ALCOHOL	6.463	59	7640	0.12	PPBV #	56
23) METHYL TERTIARY BUTYL ...	7.721	73	7666	0.11	PPBV #	67
24) TETRAHYDROFURAN	9.162	42	1103	0.06	PPBV #	52
25) HEXANE	8.667	57	6965	0.20	PPBV #	61
26) VINYL ACETATE	7.787	43	7998	0.13	PPBV #	48
27) 1,1-DICHLOROETHANE	7.666	63	11639	0.18	PPBV #	65
28) METHYL ETHYL KETONE	8.055	43	5948	0.13	PPBV	83
29) cis-1,2-DICHLOROETHYLENE	8.459	96	2168	0.10	PPBV #	78
30) ETHYL ACETATE	8.674	43	13398	0.19	PPBV #	95
31) CHLOROFORM	8.751	83	12979	0.18	PPBV	94
32) 1,1,1-TRICHLOROETHANE	9.702	97	12253	0.16	PPBV	94
33) CARBON TETRACHLORIDE	10.287	117	14876	0.17	PPBV	98
34) 1,2-DICHLOROETHANE	9.453	62	6432	0.14	PPBV #	97
36) BENZENE	10.147	78	6130	0.11	PPBV #	62
37) CYCLOHEXANE	10.413	84	1619m	0.07	PPBV	
38) TRICHLOROETHYLENE	11.145	95	3742	0.11	PPBV	96
39) 1,2-DICHLOROPROPANE	10.918	63	2771	0.15	PPBV #	69
40) BROMODICHLOROMETHANE	11.099	83	9610	0.15	PPBV	97
41) 2,2,4-TRIMETHYLPENTANE	11.162	57	9830	0.11	PPBV	80
43) HEPTANE	11.407	43	3996	0.13	PPBV #	79
44) METHYL ISOBUTYL KETONE	11.995	43	3817	0.09	PPBV #	70

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\
Data File : Q4309.D
Acq On : 16 Aug 2007 12:51 pm
Operator : danat
Sample : ic229-0.2 (M065)
Misc : MS14080, MSQ229,,,,,1
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Aug 16 13:43:20 2007
Quant Method : C:\msdchem\1\METHODS\Q081607T.m
Quant Title : TO15 by GCMS w/DB-1 60 m X .25 mm ID 1.0 um
QLast Update : Thu Aug 16 12:33:37 2007
Response via : Initial Calibration

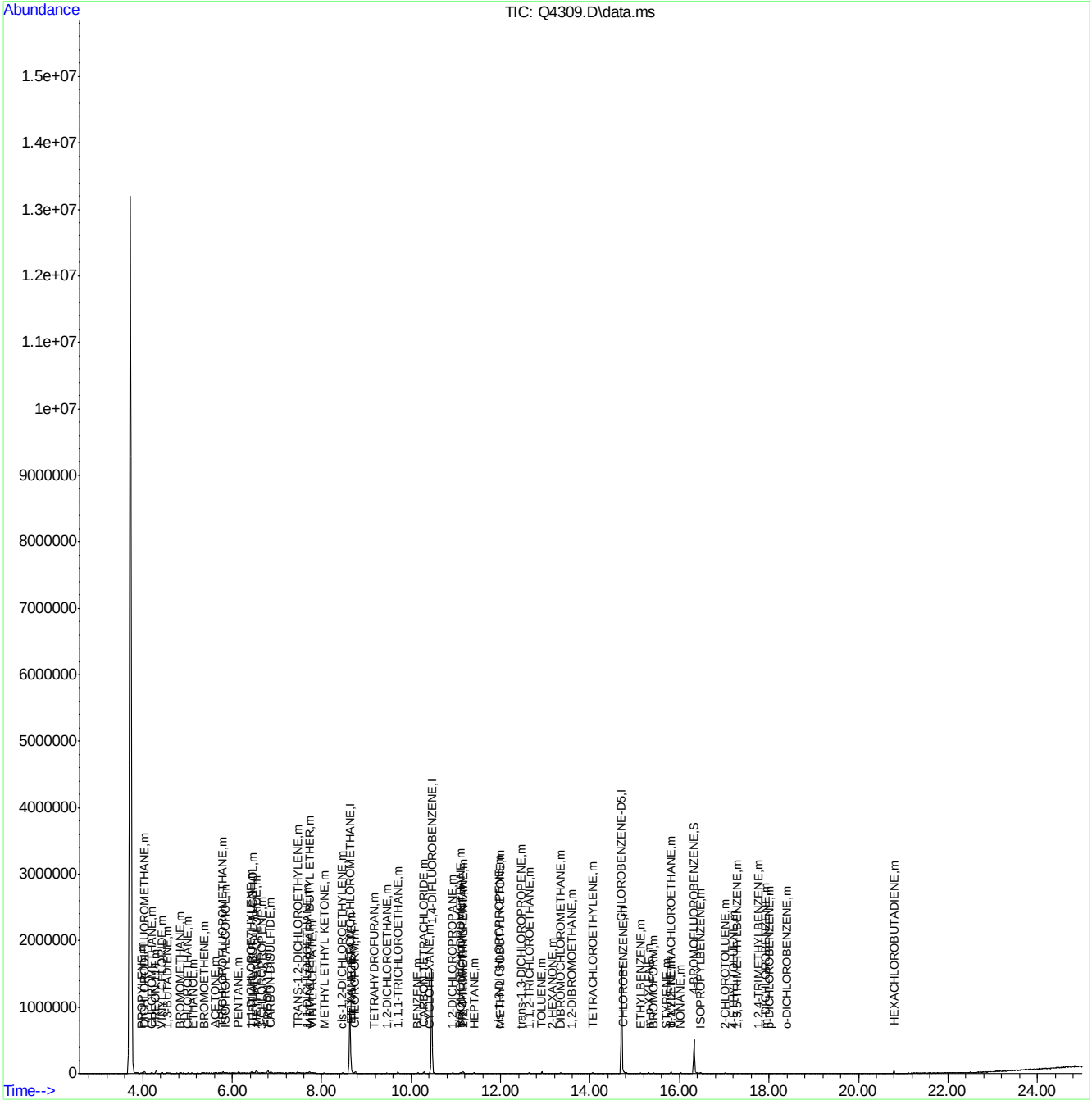
Internal Standards	R.T.	QIon	Response	Conc Units	Dev(Min)
45) cis-1,3-DICHLOROPROPENE	11.959	75	2246	0.08 PPBV #	74
46) TOLUENE	12.916	92	7509	0.23 PPBV	88
47) trans-1,3-DICHLOROPROPENE	12.465	75	1327	0.05 PPBV #	26
48) 1,1,2-TRICHLOROETHANE	12.643	83	3161	0.15 PPBV	96
50) 2-HEXANONE	13.161	43	1791m	0.06 PPBV	
51) TETRACHLOROETHYLENE	14.054	164	3150	0.12 PPBV	93
52) DIBROMOCHLOROMETHANE	13.345	129	6057	0.13 PPBV	89
53) 1,2-DIBROMOETHANE	13.596	107	2905	0.10 PPBV #	85
54) CHLOROBENZENE	14.744	112	5856	0.13 PPBV	95
55) ETHYLBENZENE	15.127	91	4800	0.07 PPBV	90
56) m,p-XYLENE	15.322	106	945	0.04 PPBV #	64
57) o-XYLENE	15.821	106	902	0.04 PPBV #	20
58) STYRENE	15.695	104	841	0.03 PPBV #	56
59) NONANE	16.025	43	2803m	0.07 PPBV	
60) BROMOFORM	15.417	173	4411	0.11 PPBV #	90
62) 1,1,2,2-TETRACHLOROETHANE	15.809	83	7747	0.15 PPBV	96
63) ISOPROPYLBENZENE	16.460	105	4904	0.06 PPBV	86
64) 2-CHLOROTOLUENE	17.016	91	3439	0.06 PPBV	76
65) 4-ETHYLTOLUENE	17.204	105	2430	0.04 PPBV #	68
66) 1,3,5-TRIMETHYLBENZENE	17.284	105	3028	0.04 PPBV #	85
67) 1,2,4-TRIMETHYLBENZENE	17.752	105	1770	0.03 PPBV	79
68) m-DICHLOROBENZENE	17.935	146	998	0.03 PPBV #	46
70) p-DICHLOROBENZENE	18.008	146	692	0.02 PPBV #	47
71) o-DICHLOROBENZENE	18.395	146	760	0.02 PPBV #	69
72) HEXACHLOROBUTADIENE	20.789	225	6482	0.12 PPBV	96

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

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\
Data File : Q4309.D
Acq On : 16 Aug 2007 12:51 pm
Operator : danat
Sample : ic229-0.2 (M065)
Misc : MS14080, MSQ229,,,,,1
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Aug 16 13:43:20 2007
Quant Method : C:\msdchem\1\METHODS\Q081607T.m
Quant Title : TO15 by GCMS w/DB-1 60 m X .25 mm ID 1.0 um
QLast Update : Thu Aug 16 12:33:37 2007
Response via : Initial Calibration



Quantitation Report (Qedit)

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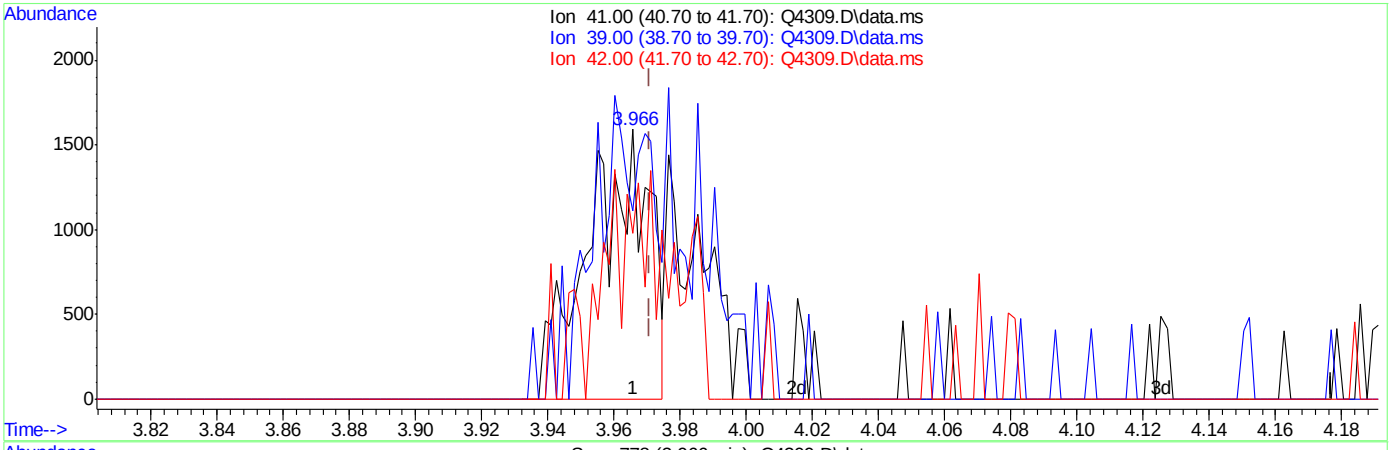
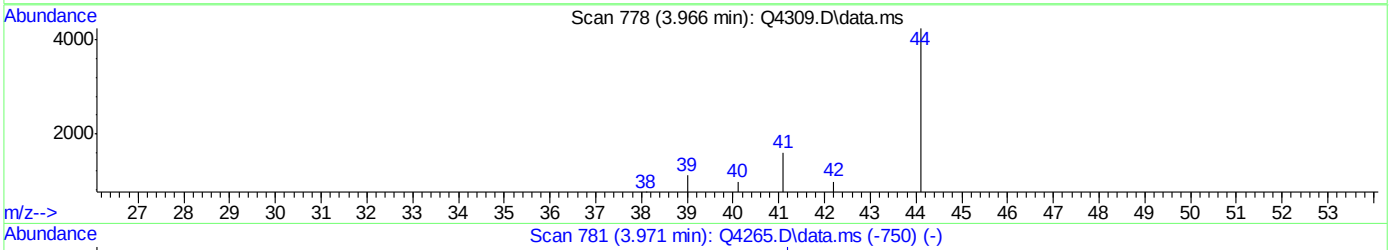
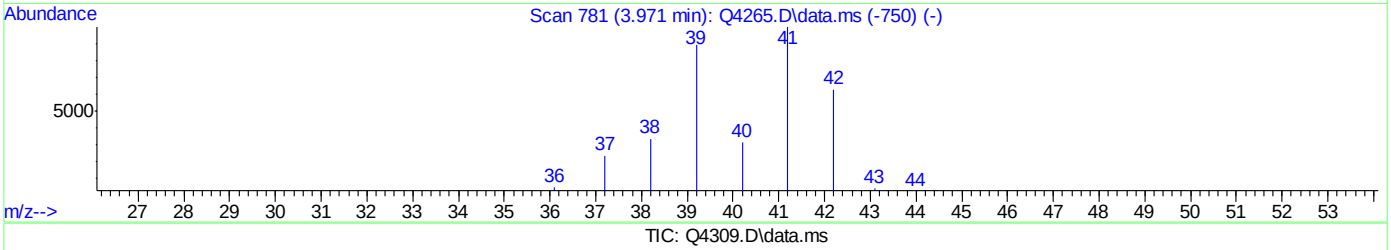
Data Path : C:\msdchem\1\DATA\
Data File : Q4309.D
Acq On    : 16 Aug 2007  12:51 pm
Operator  : danat
Sample    : ic229-0.2 (M065)
Misc      : MS14080, MSQ229,,,,,1
ALS Vial  : 1   Sample Multiplier: 1

Quant Time: Aug 16 13:40:13 2007
Quant Method : C:\msdchem\1\METHODS\Q081607T.m
Quant Title  : TO15  by GCMS w/DB-1 60 m X .25 mm ID 1.0 um
QLast Update : Thu Aug 16 12:33:37 2007
Response via : Initial Calibration
```





TIC: Q4309.D\data.ms

(3) PROPYLENE (m)

3.966min (-0.005) 0.13PPBV

response 2036

Ion	Exp%	Act%
41.00	100	100
39.00	89.10	69.70
42.00	62.70	61.41
0.00	0.00	0.00

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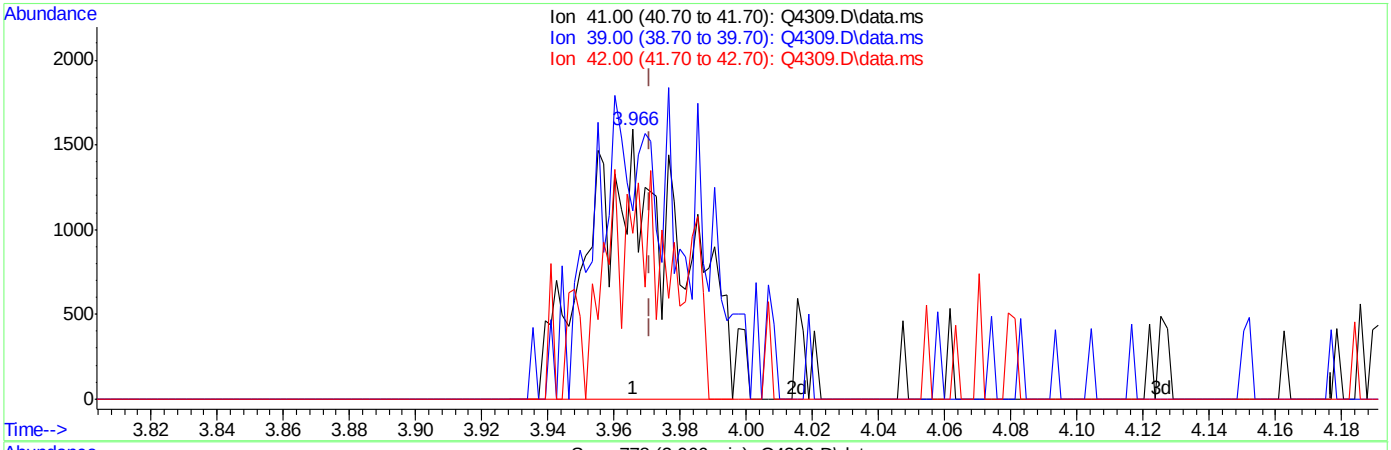
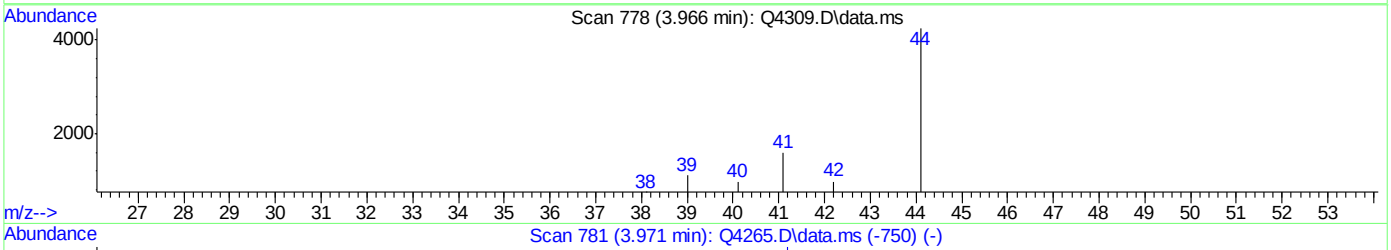
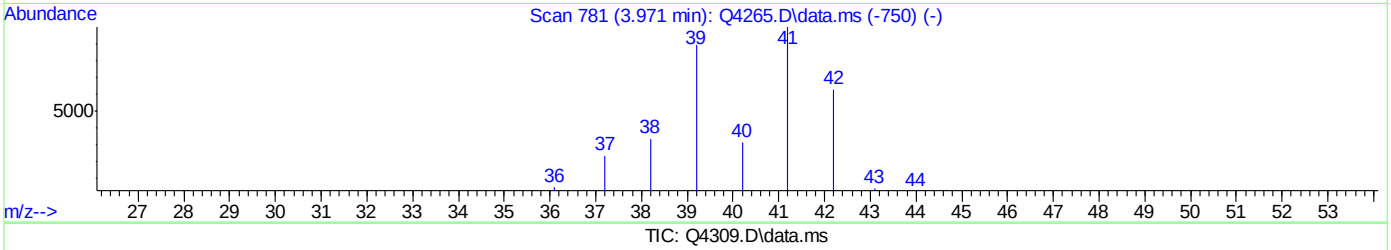
Quantitation Report (Qedit)

```
Data Path : C:\msdchem\1\DATA\
Data File : Q4309.D
Acq On    : 16 Aug 2007  12:51 pm
Operator  : danat
Sample    : ic229-0.2 (M065)
Misc      : MS14080, MSQ229,,,,,1
ALS Vial  : 1   Sample Multiplier: 1

Quant Time: Aug 16 13:40:13 2007
Quant Method : C:\msdchem\1\METHODS\Q081607T.m
Quant Title  : TO15  by GCMS w/DB-1 60 m X .25 mm ID 1.0 um
QLast Update : Thu Aug 16 12:33:37 2007
Response via : Initial Calibration
```





TIC: Q4309.D\data.ms

(3) PROPYLENE (m)

3.966min (-0.005) 0.20PPBV m

response 3046

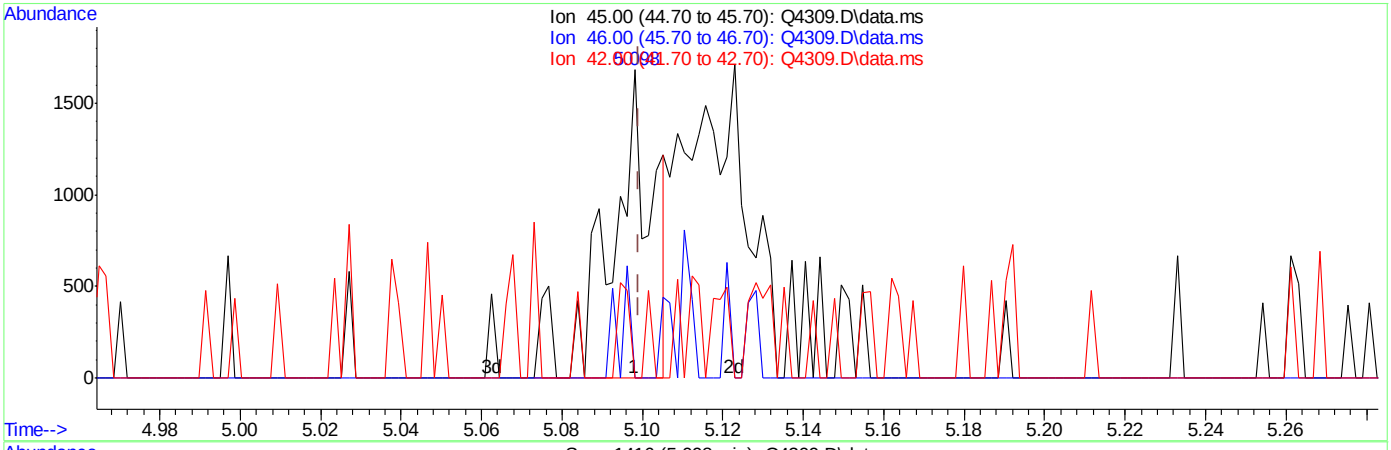
Ion	Exp%	Act%
41.00	100	100
39.00	89.10	69.70
42.00	62.70	61.41
0.00	0.00	0.00

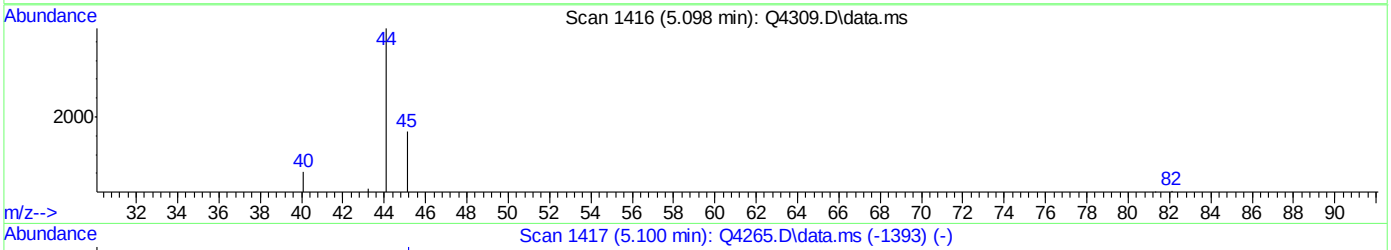
ACCUTEST Laboratories M67264

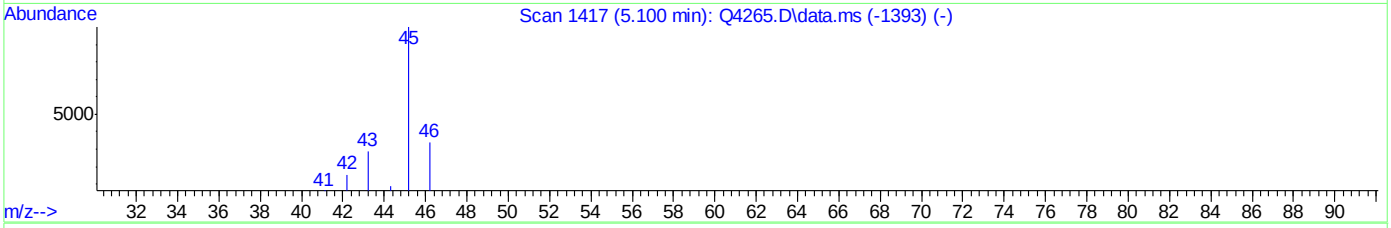
Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\
Data File : Q4309.D
Acq On : 16 Aug 2007 12:51 pm
Operator : danat
Sample : ic229-0.2 (M065)
Misc : MS14080, MSQ229,,,,,1
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Aug 16 13:40:13 2007
Quant Method : C:\msdchem\1\METHODS\Q081607T.m
Quant Title : TO15 by GCMS w/DB-1 60 m X .25 mm ID 1.0 um
QLast Update : Thu Aug 16 12:33:37 2007
Response via : Initial Calibration







TIC: Q4309.D\data.ms

(16) ETHANOL (m)

5.098min (-0.001) 0.10PPBV

response 1230

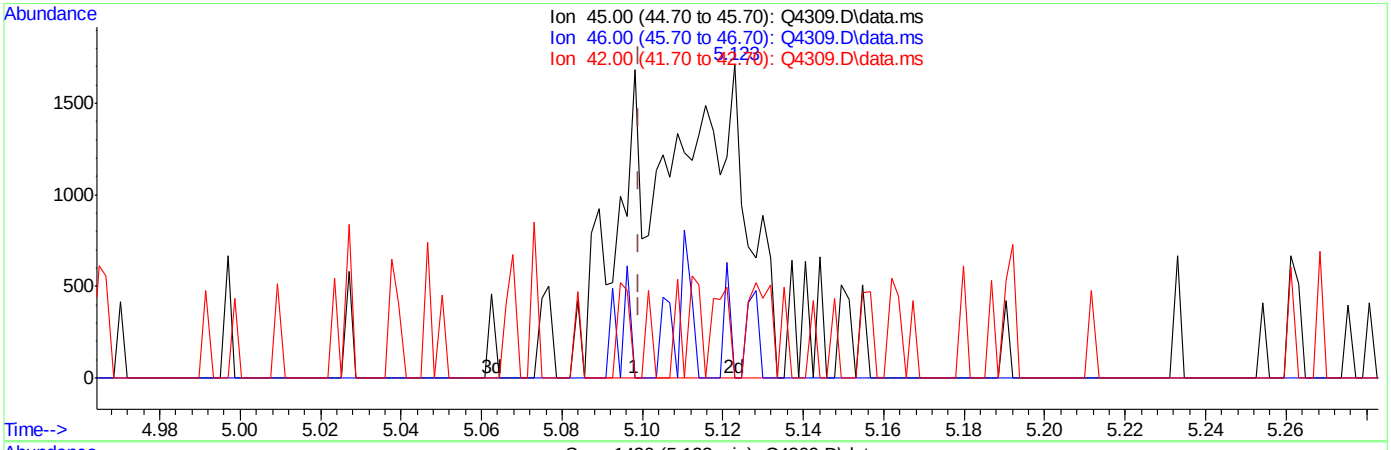
Ion	Exp%	Act%
45.00	100	100
46.00	31.00	0.00#
42.00	13.00	8.62
0.00	0.00	0.00

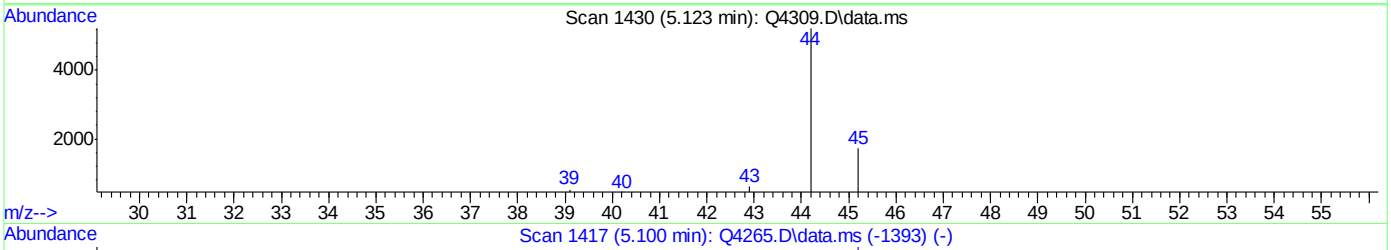
ACCUTEST Laboratories M67264

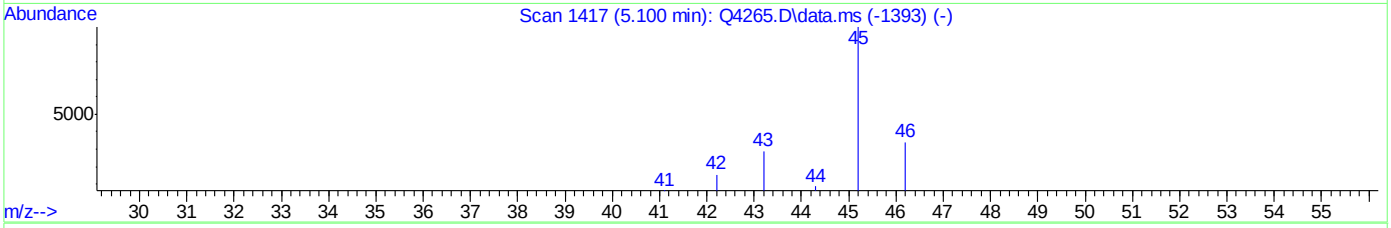
Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\
Data File : Q4309.D
Acq On : 16 Aug 2007 12:51 pm
Operator : danat
Sample : ic229-0.2 (M065)
Misc : MS14080, MSQ229,,,,,1
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Aug 16 13:40:13 2007
Quant Method : C:\msdchem\1\METHODS\Q081607T.m
Quant Title : TO15 by GCMS w/DB-1 60 m X .25 mm ID 1.0 um
QLast Update : Thu Aug 16 12:33:37 2007
Response via : Initial Calibration







TIC: Q4309.D\data.ms

(16) ETHANOL (m)

5.123min (+0.024) 0.25PPBV m

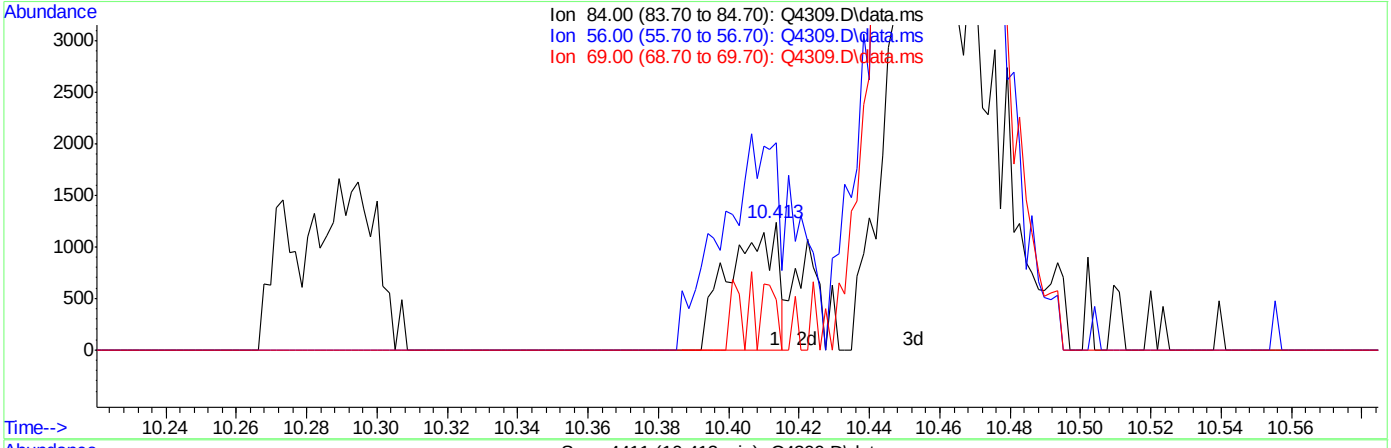
response 2886

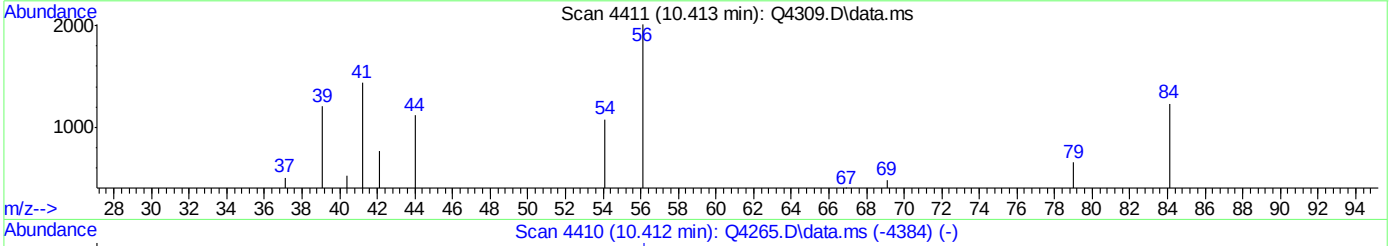
Ion	Exp%	Act%
45.00	100	100
46.00	31.00	0.00#
42.00	13.00	3.67
0.00	0.00	0.00

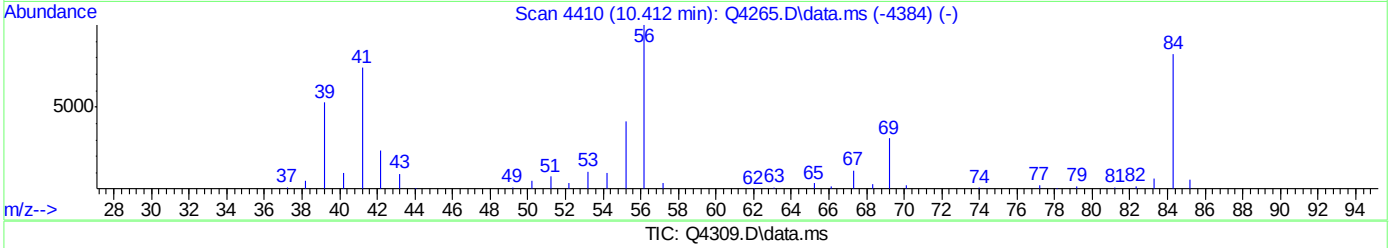
Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\
Data File : Q4309.D
Acq On : 16 Aug 2007 12:51 pm
Operator : danat
Sample : ic229-0.2 (M065)
Misc : MS14080, MSQ229,,,,,1
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Aug 16 13:40:13 2007
Quant Method : C:\msdchem\1\METHODS\Q081607T.m
Quant Title : TO15 by GCMS w/DB-1 60 m X .25 mm ID 1.0 um
QLast Update : Thu Aug 16 12:33:37 2007
Response via : Initial Calibration







TIC: Q4309.D\data.ms

(37) CYCLOHEXANE (m)

10.413min (+0.002) 0.05PPBV

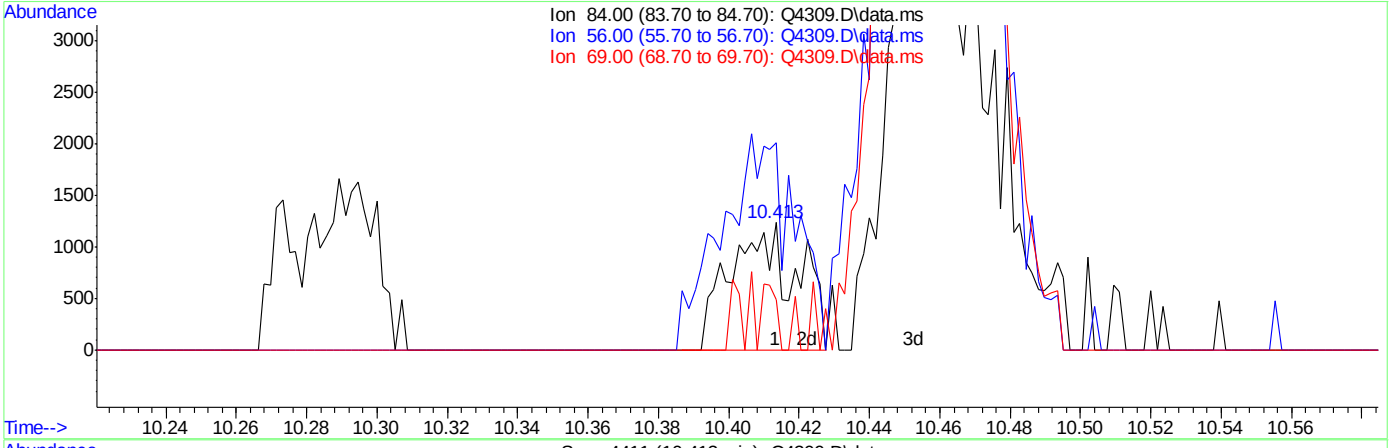
response 1153

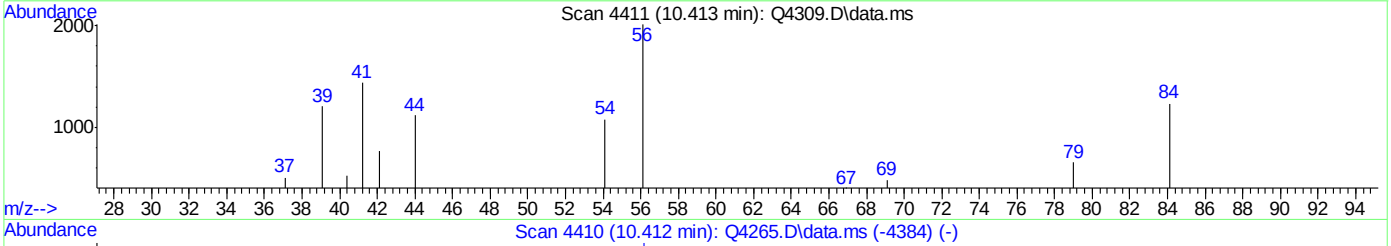
Ion	Exp%	Act%
84.00	100	100
56.00	121.50	260.10#
69.00	41.00	0.00#
0.00	0.00	0.00

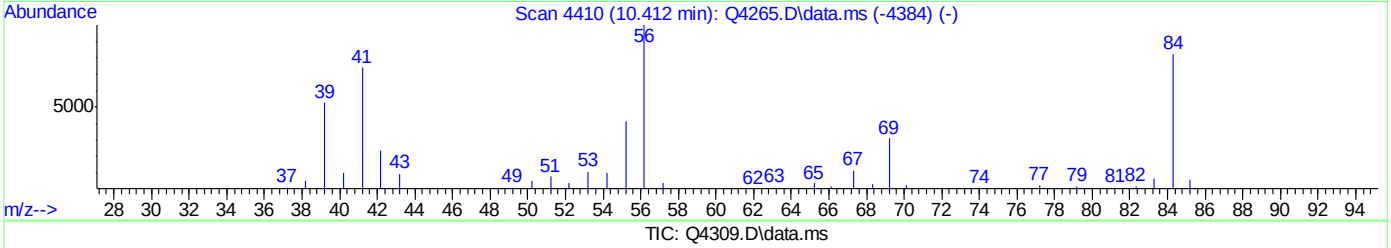
Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\
Data File : Q4309.D
Acq On : 16 Aug 2007 12:51 pm
Operator : danat
Sample : ic229-0.2 (M065)
Misc : MS14080, MSQ229,,,,,1
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Aug 16 13:40:13 2007
Quant Method : C:\msdchem\1\METHODS\Q081607T.m
Quant Title : TO15 by GCMS w/DB-1 60 m X .25 mm ID 1.0 um
QLast Update : Thu Aug 16 12:33:37 2007
Response via : Initial Calibration







TIC: Q4309.D\data.ms

(37) CYCLOHEXANE (m)

10.413min (+0.002) 0.07PPBV m

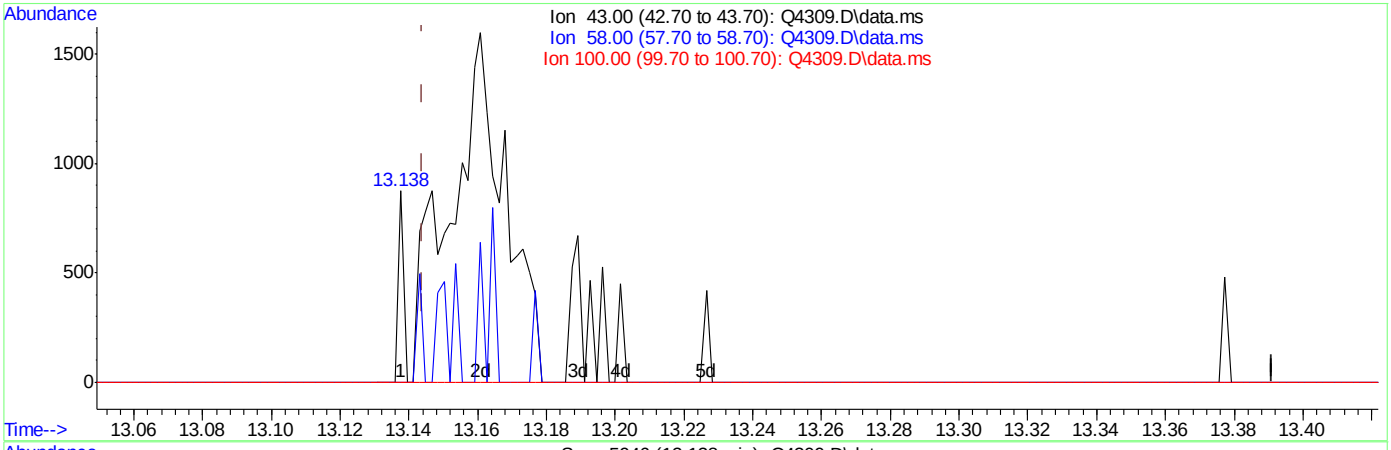
response 1619

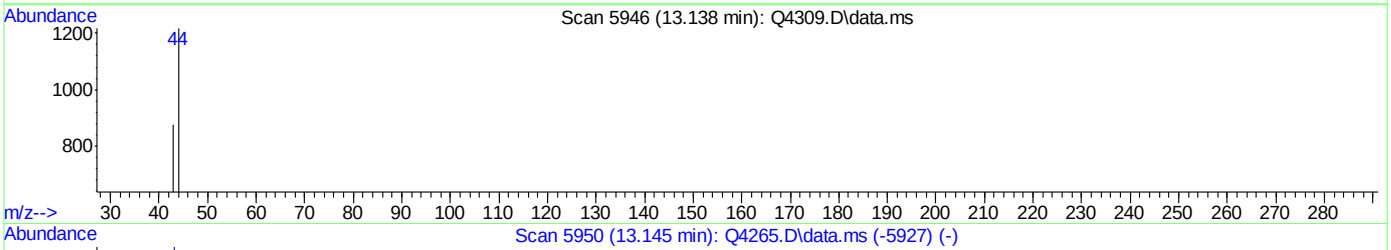
Ion	Exp%	Act%
84.00	100	100
56.00	121.50	185.24#
69.00	41.00	0.00#
0.00	0.00	0.00

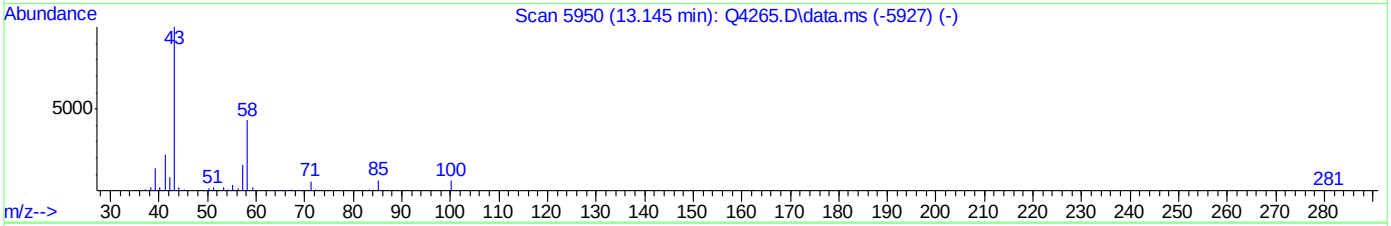
Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\
Data File : Q4309.D
Acq On : 16 Aug 2007 12:51 pm
Operator : danat
Sample : ic229-0.2 (M065)
Misc : MS14080, MSQ229,,,,,1
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Aug 16 13:40:13 2007
Quant Method : C:\msdchem\1\METHODS\Q081607T.m
Quant Title : TO15 by GCMS w/DB-1 60 m X .25 mm ID 1.0 um
QLast Update : Thu Aug 16 12:33:37 2007
Response via : Initial Calibration







TIC: Q4309.D\data.ms

(50) 2-HEXANONE (m)

13.138min (-0.006) 0.00PPBV

response 93

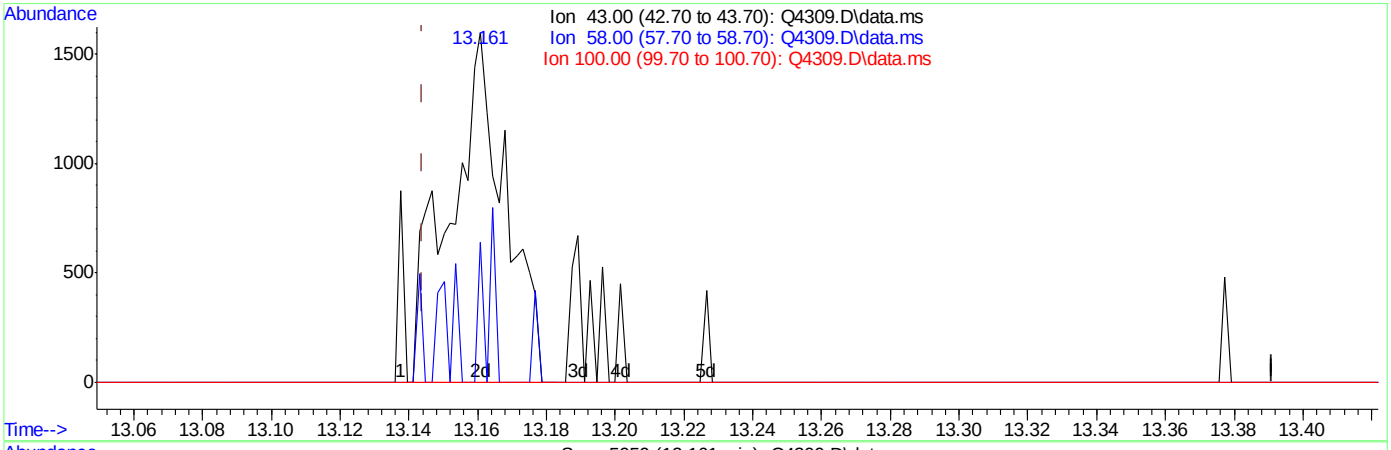
Ion	Exp%	Act%
43.00	100	100
58.00	43.10	0.00#
100.00	7.00	0.00
0.00	0.00	0.00

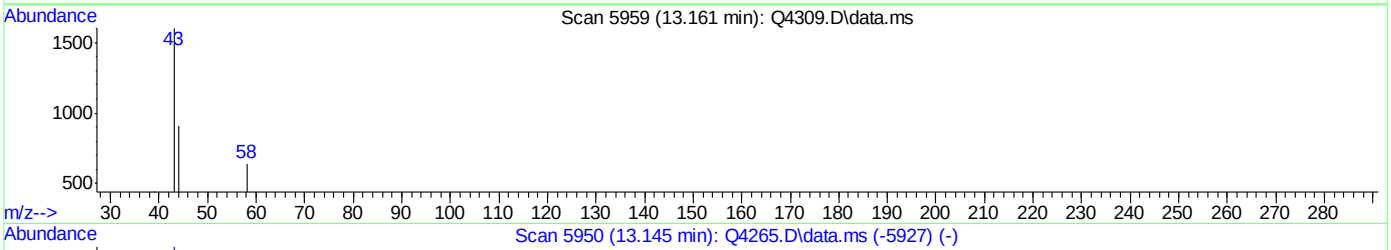
ACCUTEST Laboratories M67264

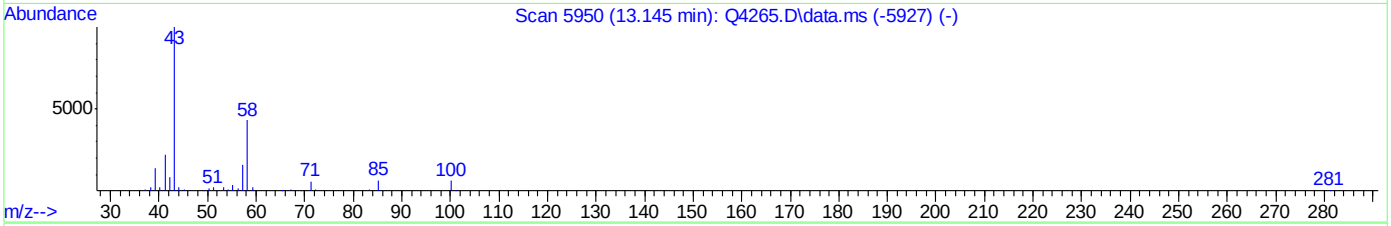
Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\
Data File : Q4309.D
Acq On : 16 Aug 2007 12:51 pm
Operator : danat
Sample : ic229-0.2 (M065)
Misc : MS14080, MSQ229,,,,,1
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Aug 16 13:40:13 2007
Quant Method : C:\msdchem\1\METHODS\Q081607T.m
Quant Title : TO15 by GCMS w/DB-1 60 m X .25 mm ID 1.0 um
QLast Update : Thu Aug 16 12:33:37 2007
Response via : Initial Calibration







TIC: Q4309.D\data.ms

(50) 2-HEXANONE (m)

13.161min (+0.017) 0.06PPBV m

response 1791

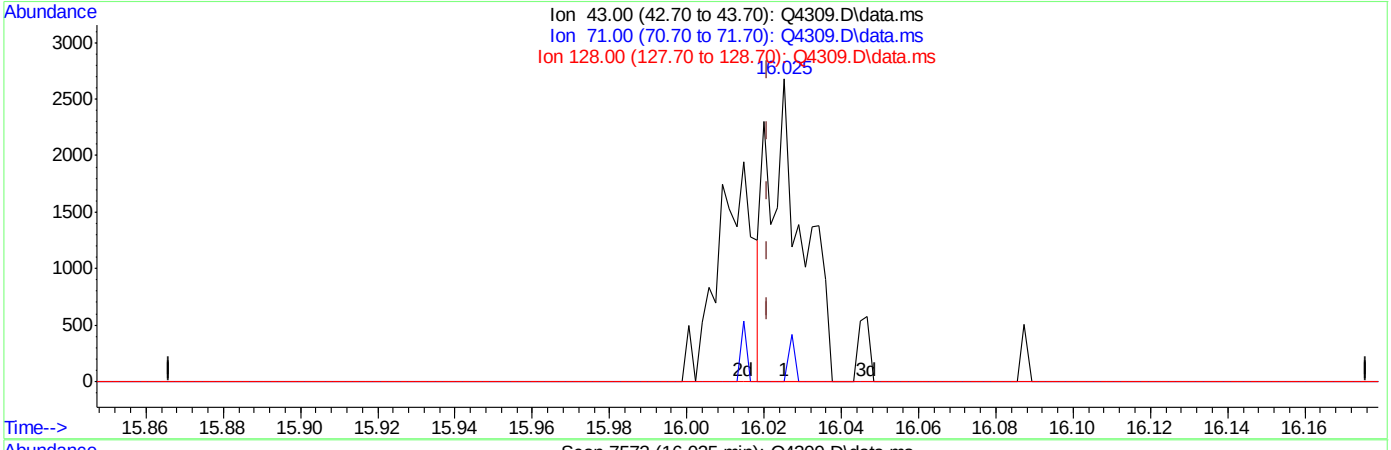
Ion	Exp%	Act%
43.00	100	100
58.00	43.10	0.00#
100.00	7.00	0.00
0.00	0.00	0.00

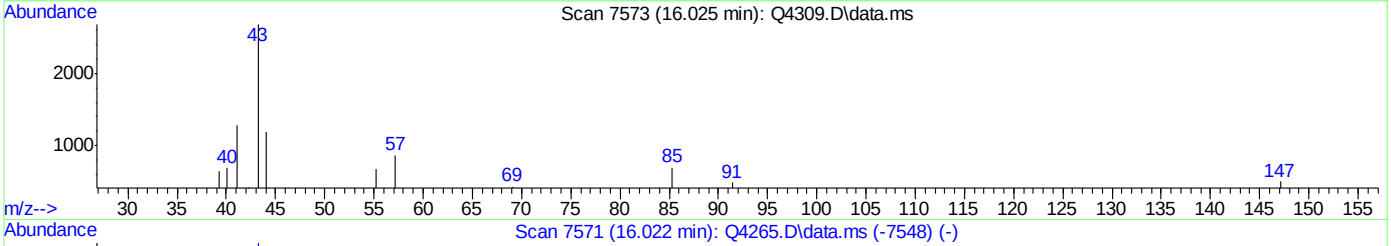
ACCUTEST Laboratories M67264

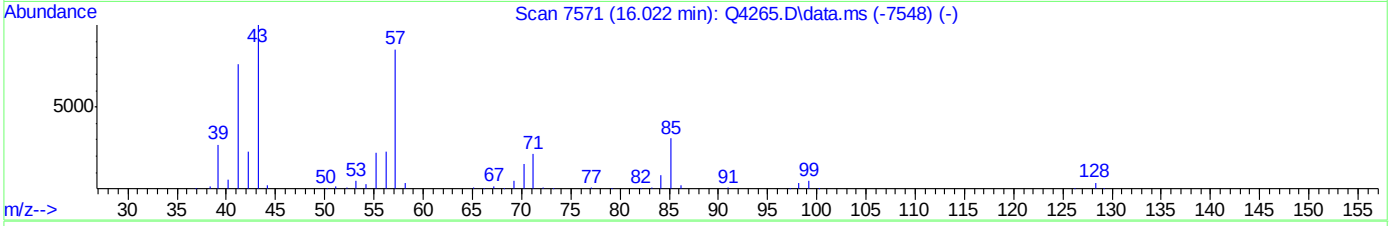
Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\
Data File : Q4309.D
Acq On : 16 Aug 2007 12:51 pm
Operator : danat
Sample : ic229-0.2 (M065)
Misc : MS14080, MSQ229,,,,,1
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Aug 16 13:40:13 2007
Quant Method : C:\msdchem\1\METHODS\Q081607T.m
Quant Title : TO15 by GCMS w/DB-1 60 m X .25 mm ID 1.0 um
QLast Update : Thu Aug 16 12:33:37 2007
Response via : Initial Calibration







TIC: Q4309.D\data.ms

(59) NONANE (m)

16.025min (+0.004) 0.04PPBV

response 1614

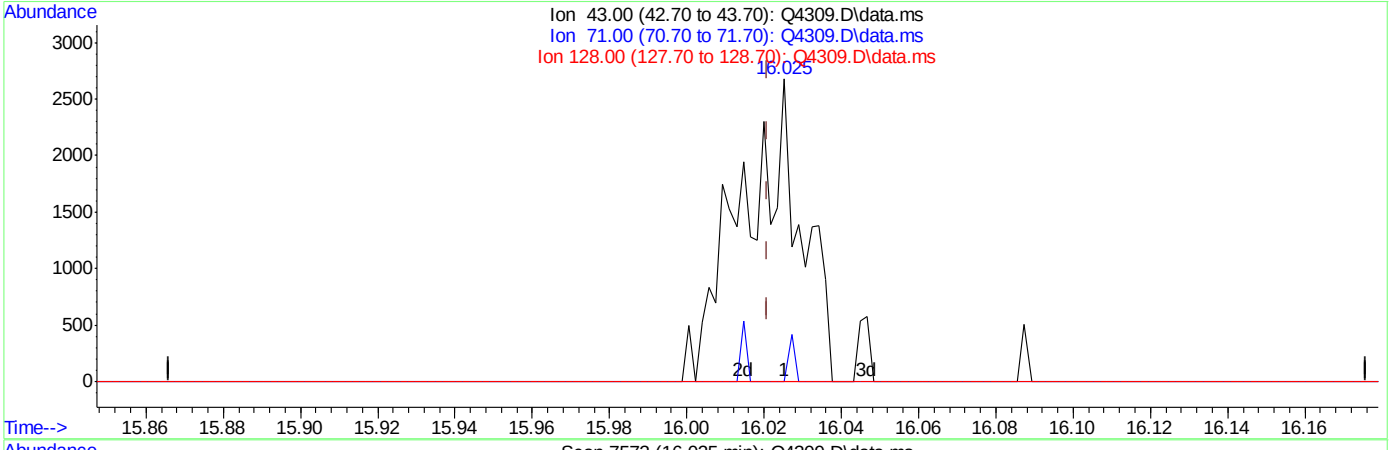
Ion	Exp%	Act%
43.00	100	100
71.00	21.20	0.00#
128.00	3.80	0.00
0.00	0.00	0.00

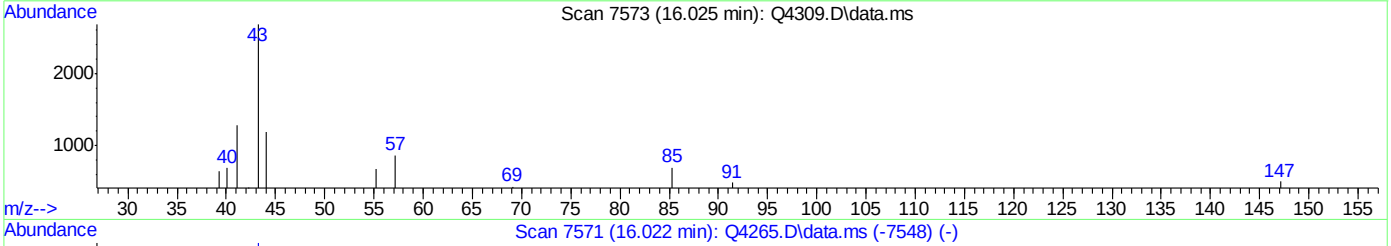
ACCUTEST Laboratories M67264

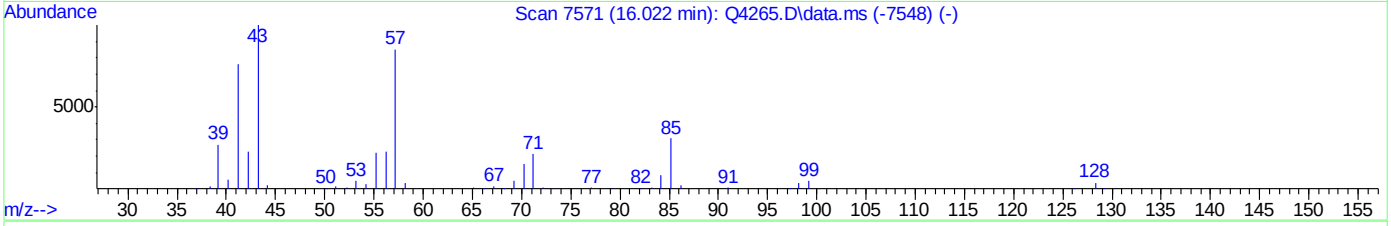
Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\
Data File : Q4309.D
Acq On : 16 Aug 2007 12:51 pm
Operator : danat
Sample : ic229-0.2 (M065)
Misc : MS14080, MSQ229,,,,,1
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Aug 16 13:40:13 2007
Quant Method : C:\msdchem\1\METHODS\Q081607T.m
Quant Title : TO15 by GCMS w/DB-1 60 m X .25 mm ID 1.0 um
QLast Update : Thu Aug 16 12:33:37 2007
Response via : Initial Calibration







TIC: Q4309.D\data.ms

(59) NONANE (m)

16.025min (+0.004) 0.07PPBV m

response 2803

Ion	Exp%	Act%
43.00	100	100
71.00	21.20	0.00#
128.00	3.80	0.00
0.00	0.00	0.00

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\
Data File : Q4311.D
Acq On : 16 Aug 2007 2:47 pm
Operator : danat
Sample : ic229-20 (M090)
Misc : MS14080, MSQ229,,,,,1
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Aug 16 15:15:06 2007
Quant Method : C:\msdchem\1\METHODS\Q081607T.m
Quant Title : TO15 by GCMS w/DB-1 60 m X .25 mm ID 1.0 um
QLast Update : Thu Aug 16 12:33:37 2007
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) BROMOCHLOROMETHANE	8.632	128	187177	10.00	PPBV	0.00
35) 1,4-DIFLUOROBENZENE	10.458	114	815670	10.00	PPBV	0.00
49) CHLOROBENZENE-D5	14.701	117	670424	10.00	PPBV	0.00
System Monitoring Compounds						
61) 4-BROMOFLUOROBENZENE	16.320	95	260821	5.13	PPBV	0.00
Spiked Amount 5.000	Range 57 - 139		Recovery = 102.60%			
Target Compounds						Qvalue
2) DICHLORODIFLUOROMETHANE	4.037	85	1494568	14.22	PPBV	99
3) PROPYLENE	3.966	41	375026	26.19	PPBV	96
4) FREON 114	4.296	85	1539556	16.28	PPBV	92
5) CHLOROMETHANE	4.202	50	506277	23.01	PPBV	96
6) VINYL CHLORIDE	4.420	62	543738	21.34	PPBV	99
7) 1,3-BUTADIENE	4.555	39	490788	23.30	PPBV	99
8) BROMOMETHANE	4.834	94	471816	16.36	PPBV	99
9) CHLOROETHANE	5.009	64	235287	20.70	PPBV	97
10) TRICHLOROFLUOROMETHANE	5.787	101	1353258	12.09	PPBV	99
11) ISOPROPYL ALCOHOL	5.820	45	872716	17.89	PPBV	95
12) ACETONE	5.592	43	796656	10.42	PPBV	96
13) PENTANE	6.143	42	574408	19.16	PPBV	88
14) 1,1-DICHLOROETHYLENE	6.426	96	482705	16.87	PPBV	98
15) CARBON DISULFIDE	6.857	76	1619283	17.74	PPBV	95
16) ETHANOL	5.091	45	147023	13.46	PPBV	98
17) BROMOETHENE	5.366	106	430613	16.43	PPBV #	97
18) METHYLENE CHLORIDE	6.534	84	491060	10.30	PPBV	89
19) 3-CHLOROPROPENE	6.658	39	548062	15.98	PPBV #	83
20) FREON 113	6.793	151	741514	13.05	PPBV	91
21) TRANS-1,2-DICHLOROETHY...	7.462	96	454238	16.65	PPBV	91
22) TERTIARY BUTYL ALCOHOL	6.424	59	974776	17.07	PPBV	93
23) METHYL TERTIARY BUTYL ...	7.704	73	1067598	15.83	PPBV	97
24) TETRAHYDROFURAN	9.136	42	371379	23.30	PPBV	91
25) HEXANE	8.664	57	651485	19.74	PPBV	99
26) VINYL ACETATE	7.785	43	887013	15.77	PPBV	93
27) 1,1-DICHLOROETHANE	7.661	63	1069713	18.17	PPBV	98
28) METHYL ETHYL KETONE	8.027	43	778082	18.35	PPBV	98
29) cis-1,2-DICHLOROETHYLENE	8.467	96	390690	19.20	PPBV	96
30) ETHYL ACETATE	8.660	43	1413718	21.91	PPBV	99
31) CHLOROFORM	8.749	83	1131048	16.49	PPBV	99
32) 1,1,1-TRICHLOROETHANE	9.705	97	1115319	15.76	PPBV	97
33) CARBON TETRACHLORIDE	10.289	117	1208988	14.60	PPBV	100
34) 1,2-DICHLOROETHANE	9.459	62	723127	16.70	PPBV	99
36) BENZENE	10.146	78	1160597	22.51	PPBV	98
37) CYCLOHEXANE	10.414	84	477561	21.90	PPBV #	82
38) TRICHLOROETHYLENE	11.141	95	637903	19.80	PPBV	99
39) 1,2-DICHLOROPROPANE	10.919	63	411093	22.63	PPBV	85
40) BROMODICHLOROMETHANE	11.102	83	1103617	17.72	PPBV	97
41) 2,2,4-TRIMETHYLPENTANE	11.168	57	2210617	24.77	PPBV	97
42) 1,4-DIOXANE	11.129	88	205830	19.57	PPBV	92
43) HEPTANE	11.402	43	851981	28.57	PPBV	91

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\
Data File : Q4311.D
Acq On : 16 Aug 2007 2:47 pm
Operator : danat
Sample : ic229-20 (M090)
Misc : MS14080, MSQ229,,,,,1
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Aug 16 15:15:06 2007
Quant Method : C:\msdchem\1\METHODS\Q081607T.m
Quant Title : TO15 by GCMS w/DB-1 60 m X .25 mm ID 1.0 um
QLast Update : Thu Aug 16 12:33:37 2007
Response via : Initial Calibration

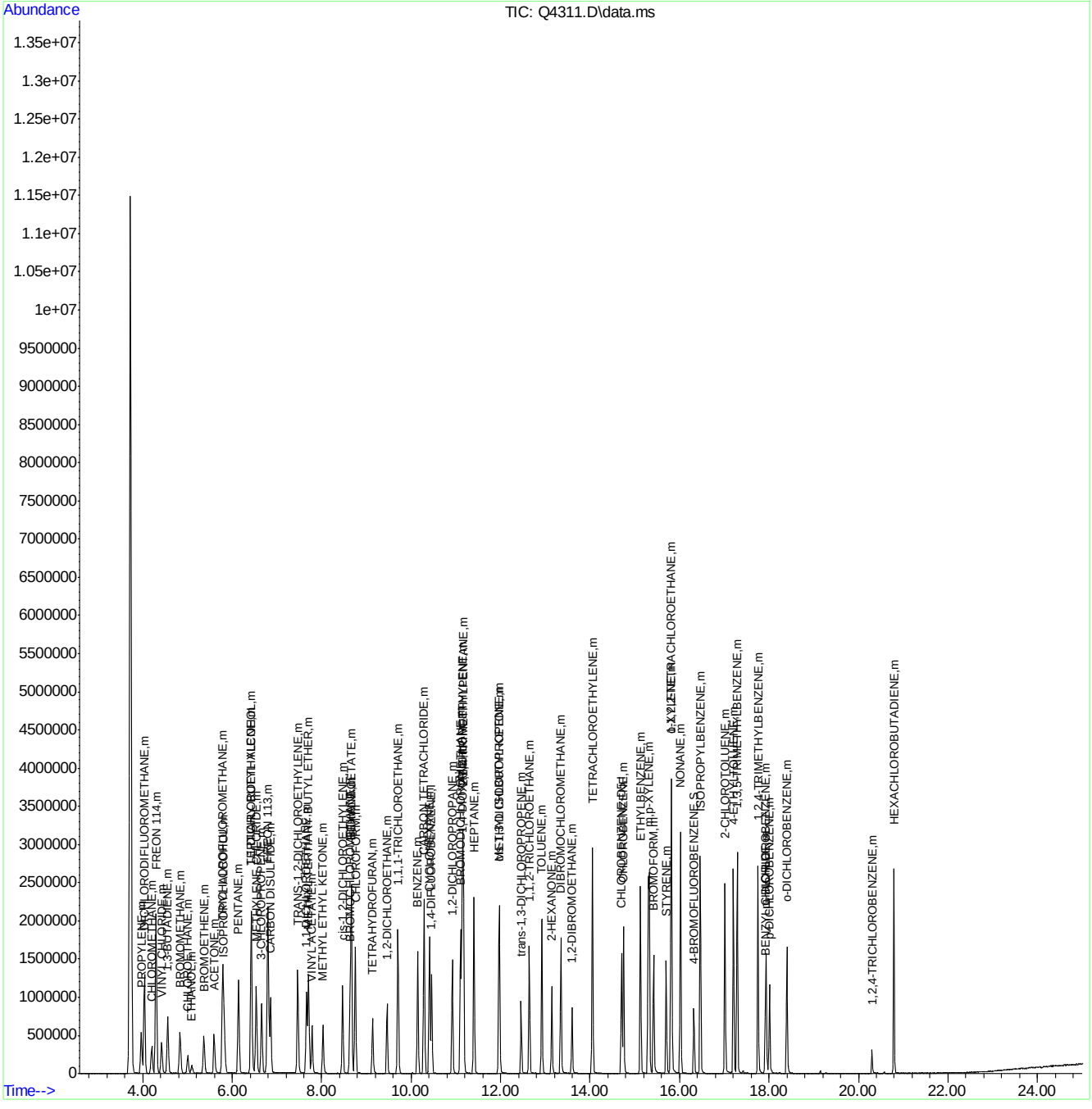
Internal Standards	R.T.	QIon	Response	Conc Units	Dev(Min)
44) METHYL ISOBUTYL KETONE	11.975	43	984532	23.99 PPBV	98
45) cis-1,3-DICHLOROPROPENE	11.959	75	540533	20.81 PPBV	97
46) TOLUENE	12.921	92	701912	22.12 PPBV	100
47) trans-1,3-DICHLOROPROPENE	12.458	75	382475	16.18 PPBV	97
48) 1,1,2-TRICHLOROETHANE	12.639	83	380145	18.50 PPBV	97
50) 2-HEXANONE	13.141	43	726334	22.55 PPBV	99
51) TETRACHLOROETHYLENE	14.054	164	527065	19.02 PPBV	96
52) DIBROMOCHLOROMETHANE	13.347	129	794383	15.84 PPBV	99
53) 1,2-DIBROMOETHANE	13.596	107	518398	16.58 PPBV	99
54) CHLOROBENZENE	14.748	112	797627	17.07 PPBV	98
55) ETHYLBENZENE	15.126	91	1513741	21.70 PPBV	100
56) m,p-XYLENE	15.323	106	1096339	44.53 PPBV	99
57) o-XYLENE	15.818	106	575788	22.32 PPBV	95
58) STYRENE	15.702	104	573986	18.73 PPBV	97
59) NONANE	16.020	43	1134274	28.94 PPBV	94
60) BROMOFORM	15.418	173	637840	14.59 PPBV	100
62) 1,1,2,2-TETRACHLOROETHANE	15.805	83	995061	18.83 PPBV	99
63) ISOPROPYLBENZENE	16.464	105	1696460	19.96 PPBV	99
64) 2-CHLOROTOLUENE	17.014	91	1270033	20.89 PPBV	97
65) 4-ETHYLTOLUENE	17.204	105	1441818	20.40 PPBV	99
66) 1,3,5-TRIMETHYLBENZENE	17.287	105	1402377	19.58 PPBV	99
67) 1,2,4-TRIMETHYLBENZENE	17.752	105	1295145	20.98 PPBV	96
68) m-DICHLOROBENZENE	17.937	146	499129	13.94 PPBV	99
69) BENZYL CHLORIDE	17.914	91	413510	10.96 PPBV	98
70) p-DICHLOROBENZENE	18.010	146	381065	12.04 PPBV	100
71) o-DICHLOROBENZENE	18.397	146	532989	14.97 PPBV	100
72) HEXACHLOROBUTADIENE	20.792	225	384537	6.89 PPBV	99
73) 1,2,4-TRICHLOROBENZENE	20.301	180	69927	6.25 PPBV	99

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

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\
Data File : Q4311.D
Acq On : 16 Aug 2007 2:47 pm
Operator : danat
Sample : ic229-20 (M090)
Misc : MS14080, MSQ229,,,,,1
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Aug 16 15:15:06 2007
Quant Method : C:\msdchem\1\METHODS\Q081607T.m
Quant Title : TO15 by GCMS w/DB-1 60 m X .25 mm ID 1.0 um
QLast Update : Thu Aug 16 12:33:37 2007
Response via : Initial Calibration



Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\
Data File : Q4312.D
Acq On : 16 Aug 2007 3:33 pm
Operator : danat
Sample : icc229-10 (M090)
Misc : MS14080, MSQ229,,,,,1
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Aug 16 15:59:37 2007
Quant Method : C:\msdchem\1\METHODS\Q081607T.m
Quant Title : TO15 by GCMS w/DB-1 60 m X .25 mm ID 1.0 um
QLast Update : Thu Aug 16 12:33:37 2007
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) BROMOCHLOROMETHANE	8.630	128	195833	10.00	PPBV	0.00
35) 1,4-DIFLUOROBENZENE	10.458	114	944946	10.00	PPBV	0.00
49) CHLOROBENZENE-D5	14.701	117	734209	10.00	PPBV	0.00
System Monitoring Compounds						
61) 4-BROMOFLUOROBENZENE	16.322	95	260123	4.67	PPBV	0.00
Spiked Amount 5.000	Range 57 - 139		Recovery = 93.40%			
Target Compounds						Qvalue
2) DICHLORODIFLUOROMETHANE	4.035	85	1149443	10.46	PPBV	97
3) PROPYLENE	3.962	41	244034	16.29	PPBV	99
4) FREON 114	4.298	85	1019324	10.30	PPBV	90
5) CHLOROMETHANE	4.200	50	326890	14.20	PPBV	93
6) VINYL CHLORIDE	4.417	62	348282	13.07	PPBV	99
7) 1,3-BUTADIENE	4.557	39	333926	15.15	PPBV	94
8) BROMOMETHANE	4.828	94	306459	10.16	PPBV	99
9) CHLOROETHANE	5.008	64	146945	12.36	PPBV	97
10) TRICHLOROFLUOROMETHANE	5.785	101	1115799	9.53	PPBV	100
11) ISOPROPYL ALCOHOL	5.824	45	528821	10.36	PPBV	96
12) ACETONE	5.595	43	541756	6.77	PPBV	99
13) PENTANE	6.140	42	445707	14.21	PPBV	88
14) 1,1-DICHLOROETHYLENE	6.422	96	330110	11.03	PPBV #	85
15) CARBON DISULFIDE	6.853	76	1199563	12.56	PPBV	99
16) ETHANOL	5.098	45	89616	7.84	PPBV	96
17) BROMOETHENE	5.368	106	283611	10.34	PPBV	98
18) METHYLENE CHLORIDE	6.536	84	333406	6.69	PPBV	80
19) 3-CHLOROPROPENE	6.655	39	381224	10.62	PPBV	85
20) FREON 113	6.795	151	515281	8.67	PPBV	90
21) TRANS-1,2-DICHLOROETHY...	7.466	96	315450	11.05	PPBV #	87
22) TERTIARY BUTYL ALCOHOL	6.424	59	617220	10.33	PPBV	88
23) METHYL TERTIARY BUTYL ...	7.707	73	647534	9.17	PPBV	94
24) TETRAHYDROFURAN	9.139	42	265123	15.90	PPBV	85
25) HEXANE	8.664	57	492147	14.25	PPBV	95
26) VINYL ACETATE	7.785	43	578251	9.83	PPBV	91
27) 1,1-DICHLOROETHANE	7.657	63	737456	11.97	PPBV	98
28) METHYL ETHYL KETONE	8.030	43	558471	12.59	PPBV	95
29) cis-1,2-DICHLOROETHYLENE	8.467	96	246293	11.57	PPBV	91
30) ETHYL ACETATE	8.660	43	1072759	15.89	PPBV	99
31) CHLOROFORM	8.749	83	798264	11.12	PPBV	97
32) 1,1,1-TRICHLOROETHANE	9.704	97	781872	10.56	PPBV	95
33) CARBON TETRACHLORIDE	10.288	117	877577	10.13	PPBV	99
34) 1,2-DICHLOROETHANE	9.459	62	507208	11.19	PPBV	99
36) BENZENE	10.144	78	780624	13.07	PPBV	96
37) CYCLOHEXANE	10.408	84	350469	13.87	PPBV #	76
38) TRICHLOROETHYLENE	11.139	95	438139	11.74	PPBV	98
39) 1,2-DICHLOROPROPANE	10.918	63	286018	13.59	PPBV	85
40) BROMODICHLOROMETHANE	11.100	83	758423	10.51	PPBV	96
41) 2,2,4-TRIMETHYLPENTANE	11.164	57	1569609	15.18	PPBV	97
42) 1,4-DIOXANE	11.131	88	129736	10.65	PPBV #	75
43) HEPTANE	11.402	43	609697	17.65	PPBV	89

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\
Data File : Q4312.D
Acq On : 16 Aug 2007 3:33 pm
Operator : danat
Sample : icc229-10 (M090)
Misc : MS14080, MSQ229,,,,,1
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Aug 16 15:59:37 2007
Quant Method : C:\msdchem\1\METHODS\Q081607T.m
Quant Title : TO15 by GCMS w/DB-1 60 m X .25 mm ID 1.0 um
QLast Update : Thu Aug 16 12:33:37 2007
Response via : Initial Calibration

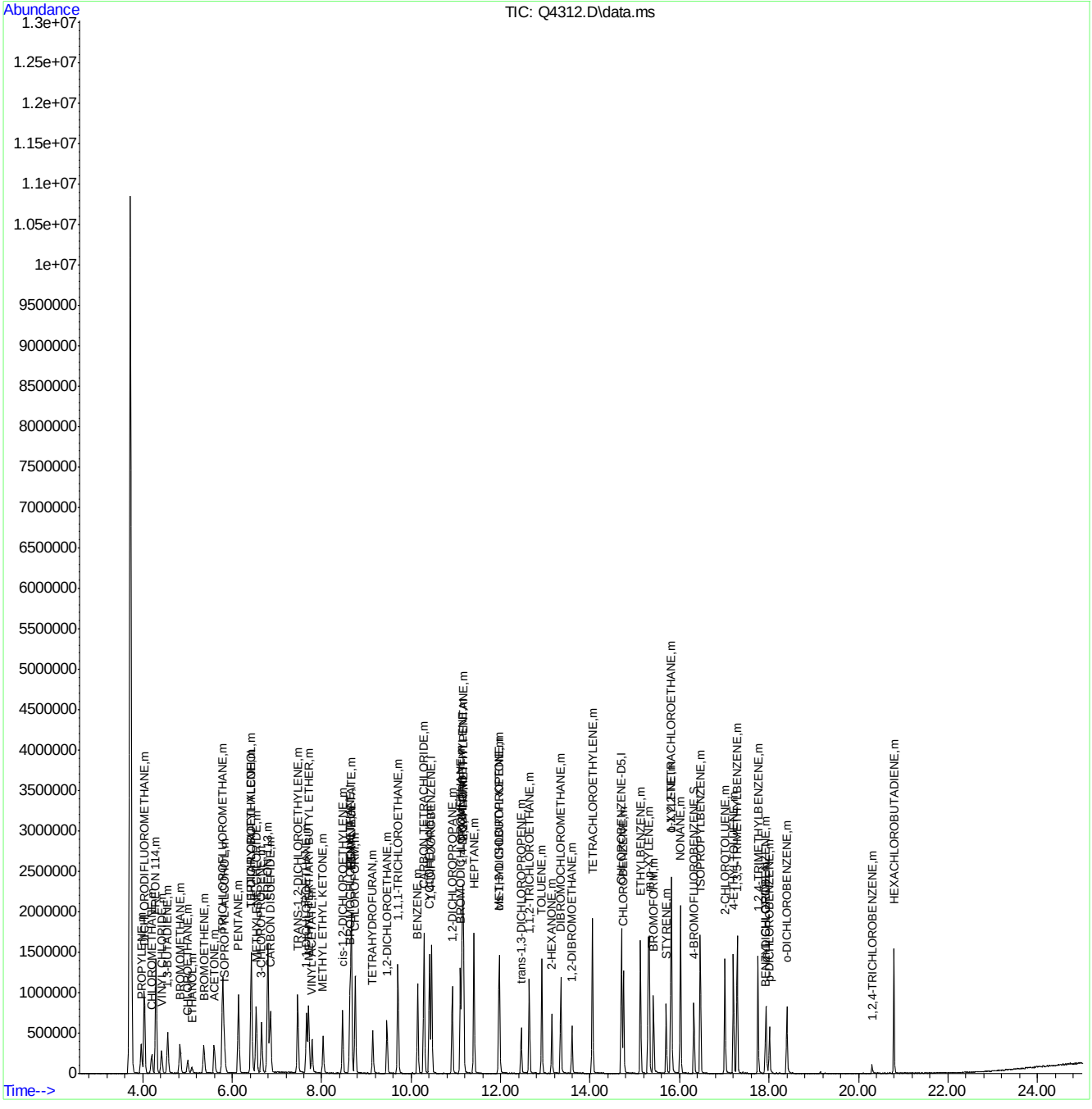
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) METHYL ISOBUTYL KETONE	11.975	43	684136	14.39	PPBV	95
45) cis-1,3-DICHLOROPROPENE	11.959	75	341968	11.36	PPBV	97
46) TOLUENE	12.920	92	447123	12.16	PPBV	97
47) trans-1,3-DICHLOROPROPENE	12.462	75	225147	8.22	PPBV	94
48) 1,1,2-TRICHLOROETHANE	12.639	83	263416	11.07	PPBV	95
50) 2-HEXANONE	13.143	43	456795	12.95	PPBV	95
51) TETRACHLOROETHYLENE	14.052	164	313484	10.33	PPBV	98
52) DIBROMOCHLOROMETHANE	13.345	129	521610	9.50	PPBV	100
53) 1,2-DIBROMOETHANE	13.594	107	326755	9.55	PPBV	97
54) CHLOROBENZENE	14.748	112	507781	9.92	PPBV	95
55) ETHYLBENZENE	15.126	91	930071	12.18	PPBV	98
56) m,p-XYLENE	15.317	106	662952	24.59	PPBV	96
57) o-XYLENE	15.818	106	333183	11.79	PPBV	99
58) STYRENE	15.699	104	290263	8.65	PPBV	98
59) NONANE	16.022	43	723435	16.86	PPBV	93
60) BROMOFORM	15.417	173	394774	8.25	PPBV	99
62) 1,1,2,2-TETRACHLOROETHANE	15.805	83	617007	10.66	PPBV	99
63) ISOPROPYLBENZENE	16.466	105	953969	10.25	PPBV	98
64) 2-CHLOROTOLUENE	17.014	91	672805	10.11	PPBV	96
65) 4-ETHYLTOLUENE	17.204	105	737547	9.53	PPBV	98
66) 1,3,5-TRIMETHYLBENZENE	17.287	105	800401	10.20	PPBV	99
67) 1,2,4-TRIMETHYLBENZENE	17.752	105	634176	9.38	PPBV	98
68) m-DICHLOROBENZENE	17.933	146	239929	6.12	PPBV	99
69) BENZYL CHLORIDE	17.914	91	185379	4.49	PPBV	98
70) p-DICHLOROBENZENE	18.010	146	183506	5.30	PPBV	98
71) o-DICHLOROBENZENE	18.398	146	242900	6.23	PPBV	98
72) HEXACHLOROBUTADIENE	20.792	225	188675	3.09	PPBV	99
73) 1,2,4-TRICHLOROBENZENE	20.304	180	23277	1.90	PPBV	100

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

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\
Data File : Q4312.D
Acq On : 16 Aug 2007 3:33 pm
Operator : danat
Sample : icc229-10 (M090)
Misc : MS14080, MSQ229,,,,,1
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Aug 16 15:59:37 2007
Quant Method : C:\msdchem\1\METHODS\Q081607T.m
Quant Title : TO15 by GCMS w/DB-1 60 m X .25 mm ID 1.0 um
QLast Update : Thu Aug 16 12:33:37 2007
Response via : Initial Calibration



Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\
Data File : Q4313.D
Acq On : 16 Aug 2007 4:19 pm
Operator : danat
Sample : ic229-5 (M090)
Misc : MS14080, MSQ229,,,,,1
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Aug 16 17:10:36 2007
Quant Method : C:\msdchem\1\METHODS\Q081607T.m
Quant Title : TO15 by GCMS w/DB-1 60 m X .25 mm ID 1.0 um
QLast Update : Thu Aug 16 16:01:48 2007
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) BROMOCHLOROMETHANE	8.632	128	188473	10.00	PPBV	0.00
35) 1,4-DIFLUOROBENZENE	10.458	114	907932	10.00	PPBV	0.00
49) CHLOROBENZENE-D5	14.701	117	690321	10.00	PPBV	0.00
System Monitoring Compounds						
61) 4-BROMOFLUOROBENZENE	16.322	95	242287	5.64	PPBV	0.00
Spiked Amount 5.000	Range 57 - 139		Recovery = 112.80%			
Target Compounds						Qvalue
2) DICHLORODIFLUOROMETHANE	4.033	85	660407	5.83	PPBV	100
3) PROPYLENE	3.964	41	132460	6.28	PPBV	94
4) FREON 114	4.292	85	566407	5.61	PPBV	99
5) CHLOROMETHANE	4.198	50	182213	5.58	PPBV	98
6) VINYL CHLORIDE	4.418	62	187833	5.94	PPBV	99
7) 1,3-BUTADIENE	4.557	39	178667	5.62	PPBV	94
8) BROMOMETHANE	4.832	94	166996	5.61	PPBV	99
9) CHLOROETHANE	5.011	64	70587	5.14	PPBV	98
10) TRICHLOROFLUOROMETHANE	5.787	101	604358	5.69	PPBV	100
11) ISOPROPYL ALCOHOL	5.824	45	261606	5.09	PPBV	100
12) ACETONE	5.599	43	276013	4.23	PPBV	100
13) PENTANE	6.144	42	236533	5.36	PPBV	100
14) 1,1-DICHLOROETHYLENE	6.424	96	173368	5.76	PPBV	99
15) CARBON DISULFIDE	6.855	76	632050	5.80	PPBV	99
16) ETHANOL	5.093	45	47536	4.21	PPBV	98
17) BROMOETHENE	5.368	106	145709	5.59	PPBV	98
18) METHYLENE CHLORIDE	6.532	84	175677	3.04	PPBV	99
19) 3-CHLOROPROPENE	6.656	39	175286	5.25	PPBV	99
20) FREON 113	6.798	151	272308	4.96	PPBV	99
21) TRANS-1,2-DICHLOROETHY...	7.466	96	158280	5.47	PPBV	99
22) TERTIARY BUTYL ALCOHOL	6.427	59	297599	5.92	PPBV	95
23) METHYL TERTIARY BUTYL ...	7.709	73	293702	5.42	PPBV	99
24) TETRAHYDROFURAN	9.145	42	109714	6.60	PPBV	97
25) HEXANE	8.665	57	280590	5.28	PPBV	96
26) VINYL ACETATE	7.787	43	249173	4.80	PPBV	70
27) 1,1-DICHLOROETHANE	7.661	63	354196	5.27	PPBV	100
28) METHYL ETHYL KETONE	8.034	43	244878	5.76	PPBV	98
29) cis-1,2-DICHLOROETHYLENE	8.468	96	107612	5.74	PPBV	99
30) ETHYL ACETATE	8.660	43	542263	5.68	PPBV	100
31) CHLOROFORM	8.751	83	391028	5.33	PPBV	99
32) 1,1,1-TRICHLOROETHANE	9.702	97	379063	5.31	PPBV	100
33) CARBON TETRACHLORIDE	10.289	117	448970	5.45	PPBV	99
34) 1,2-DICHLOROETHANE	9.459	62	235084	5.45	PPBV	99
36) BENZENE	10.144	78	338090	5.56	PPBV	99
37) CYCLOHEXANE	10.412	84	169304	7.23	PPBV	89
38) TRICHLOROETHYLENE	11.141	95	205513	5.94	PPBV	99
39) 1,2-DICHLOROPROPANE	10.918	63	127369	5.35	PPBV	98
40) BROMODICHLOROMETHANE	11.100	83	332525	4.80	PPBV	97
41) 2,2,4-TRIMETHYLPENTANE	11.163	57	702690	6.24	PPBV	99
42) 1,4-DIOXANE	11.136	88	54756	5.09	PPBV #	72
43) HEPTANE	11.402	43	253665	5.99	PPBV	99

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\
Data File : Q4313.D
Acq On : 16 Aug 2007 4:19 pm
Operator : danat
Sample : ic229-5 (M090)
Misc : MS14080, MSQ229,,,,,1
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Aug 16 17:10:36 2007
Quant Method : C:\msdchem\1\METHODS\Q081607T.m
Quant Title : TO15 by GCMS w/DB-1 60 m X .25 mm ID 1.0 um
QLast Update : Thu Aug 16 16:01:48 2007
Response via : Initial Calibration

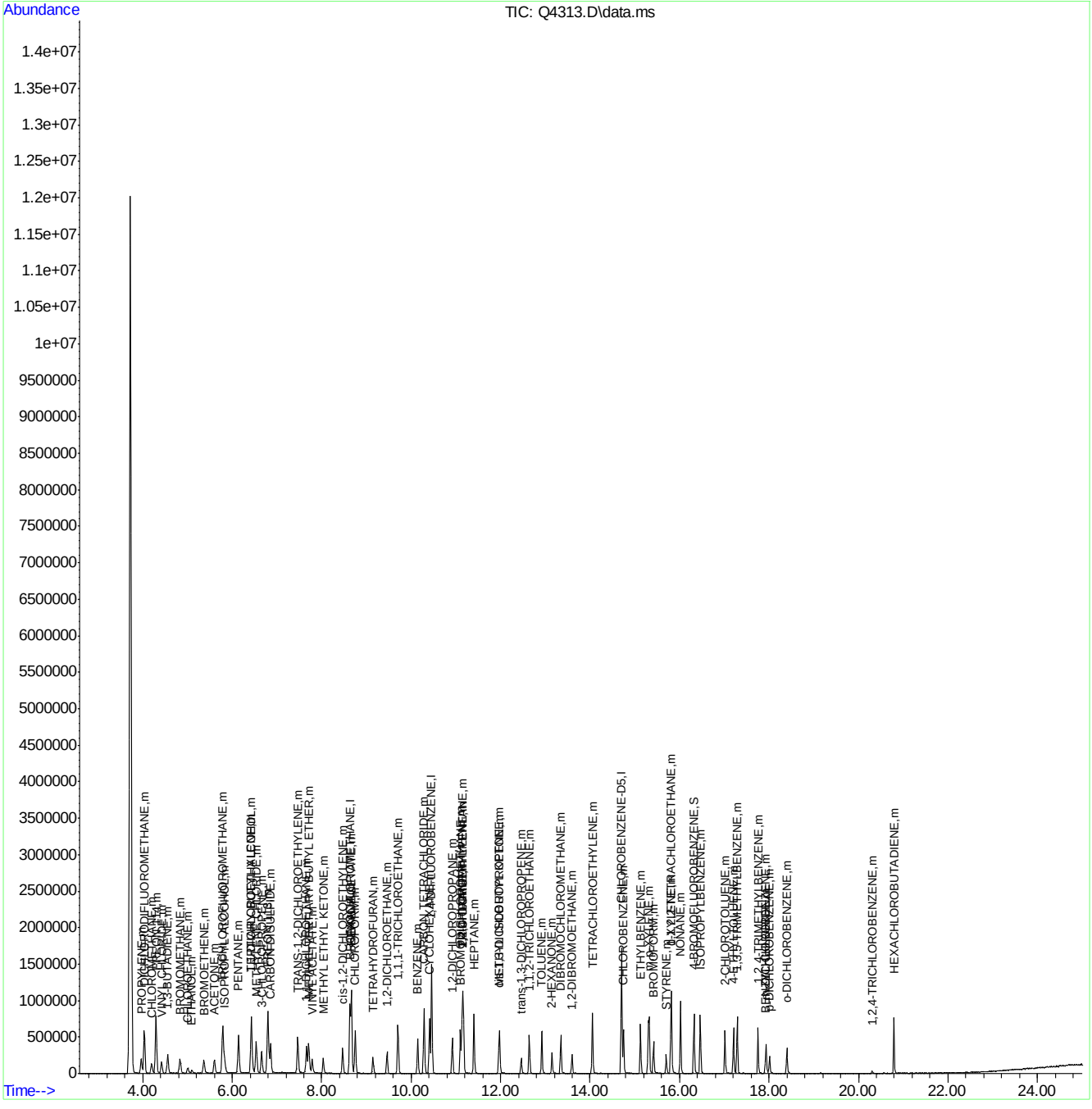
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) METHYL ISOBUTYL KETONE	11.977	43	285823	6.36	PPBV	97
45) cis-1,3-DICHLOROPROPENE	11.959	75	134939	5.45	PPBV	96
46) TOLUENE	12.920	92	178595	4.03	PPBV	97
47) trans-1,3-DICHLOROPROPENE	12.462	75	83969	4.98	PPBV	99
48) 1,1,2-TRICHLOROETHANE	12.643	83	119074	5.08	PPBV	97
50) 2-HEXANONE	13.145	43	175957	6.11	PPBV	96
51) TETRACHLOROETHYLENE	14.054	164	133606	4.95	PPBV	99
52) DIBROMOCHLOROMETHANE	13.347	129	229369	5.04	PPBV	100
53) 1,2-DIBROMOETHANE	13.599	107	145291	5.37	PPBV	100
54) CHLOROBENZENE	14.746	112	233249	5.24	PPBV	99
55) ETHYLBENZENE	15.127	91	362064	6.10	PPBV	99
56) m,p-XYLENE	15.317	106	278864	14.27	PPBV	98
57) o-XYLENE	15.818	106	141633	6.90	PPBV	98
58) STYRENE	15.702	104	94359	5.23	PPBV	98
59) NONANE	16.020	43	312115	7.02	PPBV	98
60) BROMOFORM	15.417	173	174822	5.15	PPBV	97
62) 1,1,2,2-TETRACHLOROETHANE	15.805	83	290419	5.24	PPBV	99
63) ISOPROPYLBENZENE	16.464	105	413680	6.33	PPBV	99
64) 2-CHLOROTOLUENE	17.014	91	271903	5.98	PPBV	99
65) 4-ETHYLTOLUENE	17.204	105	292864	6.40	PPBV	99
66) 1,3,5-TRIMETHYLBENZENE	17.287	105	341435	6.84	PPBV	99
67) 1,2,4-TRIMETHYLBENZENE	17.754	105	248039	6.17	PPBV	100
68) m-DICHLOROBENZENE	17.937	146	110161	6.43	PPBV	99
69) BENZYL CHLORIDE	17.914	91	74885	4.37	PPBV	99
70) p-DICHLOROBENZENE	18.011	146	74824	5.73	PPBV	97
71) o-DICHLOROBENZENE	18.398	146	106295	5.81	PPBV	99
72) HEXACHLOROBUTADIENE	20.794	225	94884	2.83	PPBV	100
73) 1,2,4-TRICHLOROBENZENE	20.308	180	8666	2.87	PPBV	92

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

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\
Data File : Q4313.D
Acq On : 16 Aug 2007 4:19 pm
Operator : danat
Sample : ic229-5 (M090)
Misc : MS14080, MSQ229,,,,,1
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Aug 16 17:10:36 2007
Quant Method : C:\msdchem\1\METHODS\Q081607T.m
Quant Title : TO15 by GCMS w/DB-1 60 m X .25 mm ID 1.0 um
QLast Update : Thu Aug 16 16:01:48 2007
Response via : Initial Calibration



Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\
Data File : Q4314.D
Acq On : 16 Aug 2007 5:05 pm
Operator : danat
Sample : ic229-2 (M090)
Misc : MS14080, MSQ229,,,,,1
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Aug 16 17:58:30 2007
Quant Method : C:\msdchem\1\METHODS\Q081607T.m
Quant Title : TO15 by GCMS w/DB-1 60 m X .25 mm ID 1.0 um
QLast Update : Thu Aug 16 17:12:17 2007
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) BROMOCHLOROMETHANE	8.626	128	164528	10.00	PPBV	0.00
35) 1,4-DIFLUOROBENZENE	10.458	114	785678	10.00	PPBV	0.00
49) CHLOROBENZENE-D5	14.701	117	577249	10.00	PPBV	0.00

System Monitoring Compounds

61) 4-BROMOFLUOROBENZENE	16.323	95	181318	4.92	PPBV	0.00

Spiked Amount 5.000 Range 57 - 139 Recovery = 98.40%

Target Compounds						Qvalue
2) DICHLORODIFLUOROMETHANE	4.037	85	231424	2.26	PPBV	99
3) PROPYLENE	3.967	41	37809	1.95	PPBV	98
4) FREON 114	4.298	85	195245	2.16	PPBV	99
5) CHLOROMETHANE	4.198	50	61059	2.09	PPBV	99
6) VINYL CHLORIDE	4.424	62	63060	2.20	PPBV	96
7) 1,3-BUTADIENE	4.555	39	57362	2.02	PPBV	90
8) BROMOMETHANE	4.832	94	62567	2.35	PPBV	99
9) CHLOROETHANE	5.002	64	25982	2.16	PPBV	98
10) TRICHLOROFLUOROMETHANE	5.788	101	232952	2.45	PPBV	99
11) ISOPROPYL ALCOHOL	5.827	45	112926	2.51	PPBV	93
12) ACETONE	5.600	43	132151	2.40	PPBV	99
13) PENTANE	6.142	42	87815	2.25	PPBV	98
14) 1,1-DICHLOROETHYLENE	6.426	96	62416	2.30	PPBV	99
15) CARBON DISULFIDE	6.857	76	242990	2.47	PPBV	96
16) ETHANOL	5.105	45	22120	2.32	PPBV	95
17) BROMOETHENE	5.370	106	53576	2.30	PPBV	98
18) METHYLENE CHLORIDE	6.537	84	77628	1.67	PPBV	98
19) 3-CHLOROPROPENE	6.653	39	67445	2.29	PPBV	98
20) FREON 113	6.800	151	108861	2.27	PPBV	98
21) TRANS-1,2-DICHLOROETHY...	7.469	96	59384	2.31	PPBV	98
22) TERTIARY BUTYL ALCOHOL	6.438	59	124895	2.75	PPBV	89
23) METHYL TERTIARY BUTYL ...	7.712	73	127335	2.65	PPBV	96
24) TETRAHYDROFURAN	9.148	42	36623	2.37	PPBV	97
25) HEXANE	8.667	57	79123	1.69	PPBV	86
26) VINYL ACETATE	7.789	43	105511	2.35	PPBV #	35
27) 1,1-DICHLOROETHANE	7.663	63	147651	2.49	PPBV	100
28) METHYL ETHYL KETONE	8.033	43	94520	2.47	PPBV	96
29) cis-1,2-DICHLOROETHYLENE	8.463	96	36074	2.14	PPBV	97
30) ETHYL ACETATE	8.665	43	195068	2.28	PPBV	100
31) CHLOROFORM	8.747	83	159722	2.46	PPBV	99
32) 1,1,1-TRICHLOROETHANE	9.705	97	150885	2.39	PPBV	99
33) CARBON TETRACHLORIDE	10.287	117	175647	2.40	PPBV	99
34) 1,2-DICHLOROETHANE	9.462	62	97830	2.55	PPBV	98
36) BENZENE	10.144	78	122278	2.27	PPBV	99
37) CYCLOHEXANE	10.412	84	45421	2.06	PPBV	98
38) TRICHLOROETHYLENE	11.143	95	75022	2.41	PPBV	98
39) 1,2-DICHLOROPROPANE	10.919	63	53277	2.55	PPBV	98
40) BROMODICHLOROMETHANE	11.102	83	139414	2.34	PPBV	99
41) 2,2,4-TRIMETHYLPENTANE	11.162	57	248306	2.43	PPBV	96
42) 1,4-DIOXANE	11.145	88	19137	2.05	PPBV #	1
43) HEPTANE	11.404	43	80759	2.12	PPBV	97

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\
Data File : Q4314.D
Acq On : 16 Aug 2007 5:05 pm
Operator : danat
Sample : ic229-2 (M090)
Misc : MS14080, MSQ229,,,,,1
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Aug 16 17:58:30 2007
Quant Method : C:\msdchem\1\METHODS\Q081607T.m
Quant Title : TO15 by GCMS w/DB-1 60 m X .25 mm ID 1.0 um
QLast Update : Thu Aug 16 17:12:17 2007
Response via : Initial Calibration

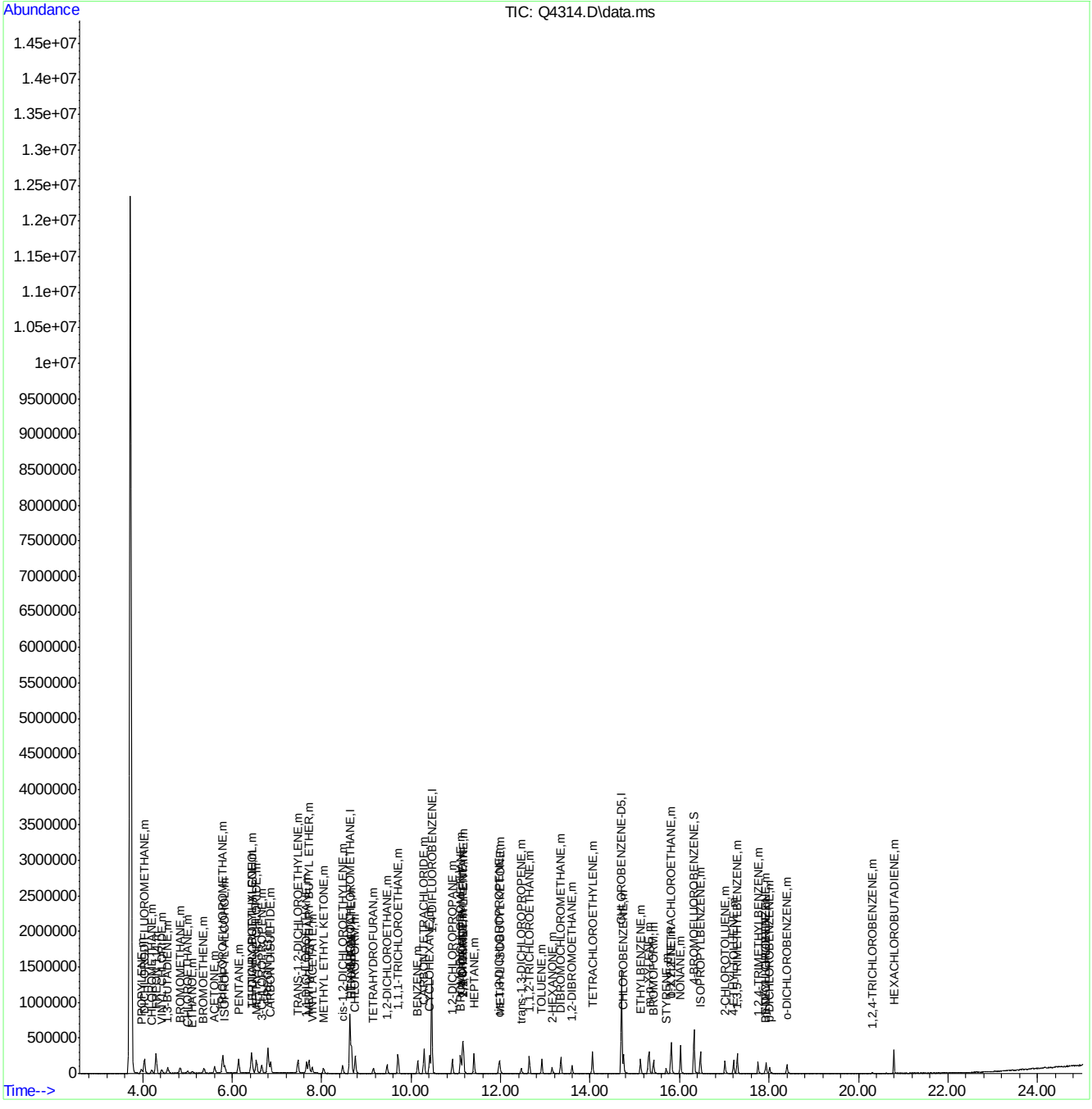
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) METHYL ISOBUTYL KETONE	11.981	43	103095	2.52	PPBV	93
45) cis-1,3-DICHLOROPROPENE	11.961	75	46141	2.11	PPBV	94
46) TOLUENE	12.925	92	61460	1.67	PPBV	92
47) trans-1,3-DICHLOROPROPENE	12.460	75	30293	2.08	PPBV	97
48) 1,1,2-TRICHLOROETHANE	12.641	83	51050	2.51	PPBV	95
50) 2-HEXANONE	13.152	43	57249	2.28	PPBV	91
51) TETRACHLOROETHYLENE	14.048	164	49265	2.19	PPBV	99
52) DIBROMOCHLOROMETHANE	13.345	129	97737	2.56	PPBV	99
53) 1,2-DIBROMOETHANE	13.599	107	58730	2.56	PPBV	99
54) CHLOROBENZENE	14.747	112	98406	2.62	PPBV	98
55) ETHYLBENZENE	15.129	91	114962	2.22	PPBV	97
56) m,p-XYLENE	15.322	106	98269	5.54	PPBV	98
57) o-XYLENE	15.819	106	47136	2.55	PPBV	97
58) STYRENE	15.702	104	27503	1.81	PPBV	99
59) NONANE	16.020	43	111491	2.77	PPBV	98
60) BROMOFORM	15.417	173	73040	2.56	PPBV	98
62) 1,1,2,2-TETRACHLOROETHANE	15.807	83	129812	2.78	PPBV	100
63) ISOPROPYLBENZENE	16.464	105	146460	2.55	PPBV	100
64) 2-CHLOROTOLUENE	17.016	91	86335	2.18	PPBV	100
65) 4-ETHYLTOLUENE	17.206	105	91462	2.26	PPBV	98
66) 1,3,5-TRIMETHYLBENZENE	17.287	105	115390	2.57	PPBV	94
67) 1,2,4-TRIMETHYLBENZENE	17.756	105	72816	2.07	PPBV	97
68) m-DICHLOROBENZENE	17.935	146	44991	2.97	PPBV	97
69) BENZYL CHLORIDE	17.915	91	28445	2.05	PPBV	94
70) p-DICHLOROBENZENE	18.009	146	31653	2.82	PPBV	95
71) o-DICHLOROBENZENE	18.402	146	41586	2.63	PPBV	99
72) HEXACHLOROBUTADIENE	20.789	225	42885	1.68	PPBV	99
73) 1,2,4-TRICHLOROBENZENE	20.302	180	2917	1.29	PPBV	86

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

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\
Data File : Q4314.D
Acq On : 16 Aug 2007 5:05 pm
Operator : danat
Sample : ic229-2 (M090)
Misc : MS14080, MSQ229,,,,,1
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Aug 16 17:58:30 2007
Quant Method : C:\msdchem\1\METHODS\Q081607T.m
Quant Title : TO15 by GCMS w/DB-1 60 m X .25 mm ID 1.0 um
QLast Update : Thu Aug 16 17:12:17 2007
Response via : Initial Calibration



Q4315.D

Manual Integrations APPROVED (compounds with "m" flag)

Doug Yargeau 08/17/07 15:52

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\
Data File : Q4315.D
Acq On : 16 Aug 2007 5:51 pm
Operator : danat
Sample : ic229-40 (M090)
Misc : MS14080, MSQ229,,,,,1
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Aug 16 18:17:54 2007
Quant Method : C:\msdchem\1\METHODS\Q081607T.m
Quant Title : TO15 by GCMS w/DB-1 60 m X .25 mm ID 1.0 um
QLast Update : Thu Aug 16 17:59:36 2007
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) BROMOCHLOROMETHANE	8.633	128	251500	10.00	PPBV	0.00
35) 1,4-DIFLUOROBENZENE	10.461	114	1025015	10.00	PPBV	0.00
49) CHLOROBENZENE-D5	14.705	117	798235	10.00	PPBV	0.00
System Monitoring Compounds						
61) 4-BROMOFLUOROBENZENE	16.322	95	289442	5.70	PPBV	0.00
Spiked Amount 5.000	Range 57 - 139		Recovery = 114.00%			
Target Compounds						Qvalue
2) DICHLORODIFLUOROMETHANE	4.033	85	5364879	33.59	PPBV	99
3) PROPYLENE	3.964	41	1201041	40.75	PPBV	99
4) FREON 114	4.294	85	5231026	37.38	PPBV	100
5) CHLOROMETHANE	4.197	50	1612234	35.88	PPBV	94
6) VINYL CHLORIDE	4.418	62	1708307	38.37	PPBV	100
7) 1,3-BUTADIENE	4.557	39	1775112	40.76	PPBV	100
8) BROMOMETHANE	4.834	94	1536866	36.68	PPBV	99
9) CHLOROETHANE	5.004	64	788023	42.22	PPBV	99
10) TRICHLOROFLUOROMETHANE	5.787	101	5012504	33.19	PPBV	100
11) ISOPROPYL ALCOHOL	5.822	45	2865030	39.94	PPBV	93
12) ACETONE	5.590	43	2987017	34.30	PPBV	98
13) PENTANE	6.140	42	2121711	34.82	PPBV	99
14) 1,1-DICHLOROETHYLENE	6.424	96	1595086	37.58	PPBV	94
15) CARBON DISULFIDE	6.855	76	5295311m	33.94	PPBV	
16) ETHANOL	5.095	45	485406	32.40	PPBV	96
17) BROMOETHENE	5.368	106	1415989	38.82	PPBV	98
18) METHYLENE CHLORIDE	6.536	84	1612786	23.33	PPBV	97
19) 3-CHLOROPROPENE	6.656	39	2069908	44.91	PPBV	97
20) FREON 113	6.795	151	2460454	32.88	PPBV	99
21) TRANS-1,2-DICHLOROETHY...	7.464	96	1491868	36.97	PPBV	99
22) TERTIARY BUTYL ALCOHOL	6.427	59	3121745	42.26	PPBV	97
23) METHYL TERTIARY BUTYL ...	7.705	73	3729015	48.14	PPBV	98
24) TETRAHYDROFURAN	9.132	42	1617372	66.47	PPBV	96
25) HEXANE	8.665	57	2524731	36.16	PPBV	95
26) VINYL ACETATE	7.785	43	3617822	51.15	PPBV	90
27) 1,1-DICHLOROETHANE	7.663	63	3810796	40.41	PPBV	100
28) METHYL ETHYL KETONE	8.027	43	3171318	52.19	PPBV	98
29) cis-1,2-DICHLOROETHYLENE	8.468	96	1478034	56.72	PPBV	97
30) ETHYL ACETATE	8.662	43	5827528	43.53	PPBV	100
31) CHLOROFORM	8.752	83	4143196	40.24	PPBV	98
32) 1,1,1-TRICHLOROETHANE	9.707	97	4047057	40.62	PPBV	99
33) CARBON TETRACHLORIDE	10.288	117	4068973	35.18	PPBV	99
34) 1,2-DICHLOROETHANE	9.461	62	2852395	46.56	PPBV	100
36) BENZENE	10.147	78	4843074	67.45	PPBV	99
37) CYCLOHEXANE	10.410	84	1805937	62.42	PPBV	95
38) TRICHLOROETHYLENE	11.145	95	2338014	55.76	PPBV	99
39) 1,2-DICHLOROPROPANE	10.923	63	1777186	62.33	PPBV	97
40) BROMODICHLOROMETHANE	11.108	83	4176151	52.30	PPBV	100
41) 2,2,4-TRIMETHYLPENTANE	11.168	57	8966228	64.90	PPBV	99
42) 1,4-DIOXANE	11.129	88	791030	64.57	PPBV #	81
43) HEPTANE	11.406	43	3486366	69.47	PPBV	99

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\
Data File : Q4315.D
Acq On : 16 Aug 2007 5:51 pm
Operator : danat
Sample : ic229-40 (M090)
Misc : MS14080, MSQ229,,,,,1
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Aug 16 18:17:54 2007
Quant Method : C:\msdchem\1\METHODS\Q081607T.m
Quant Title : TO15 by GCMS w/DB-1 60 m X .25 mm ID 1.0 um
QLast Update : Thu Aug 16 17:59:36 2007
Response via : Initial Calibration

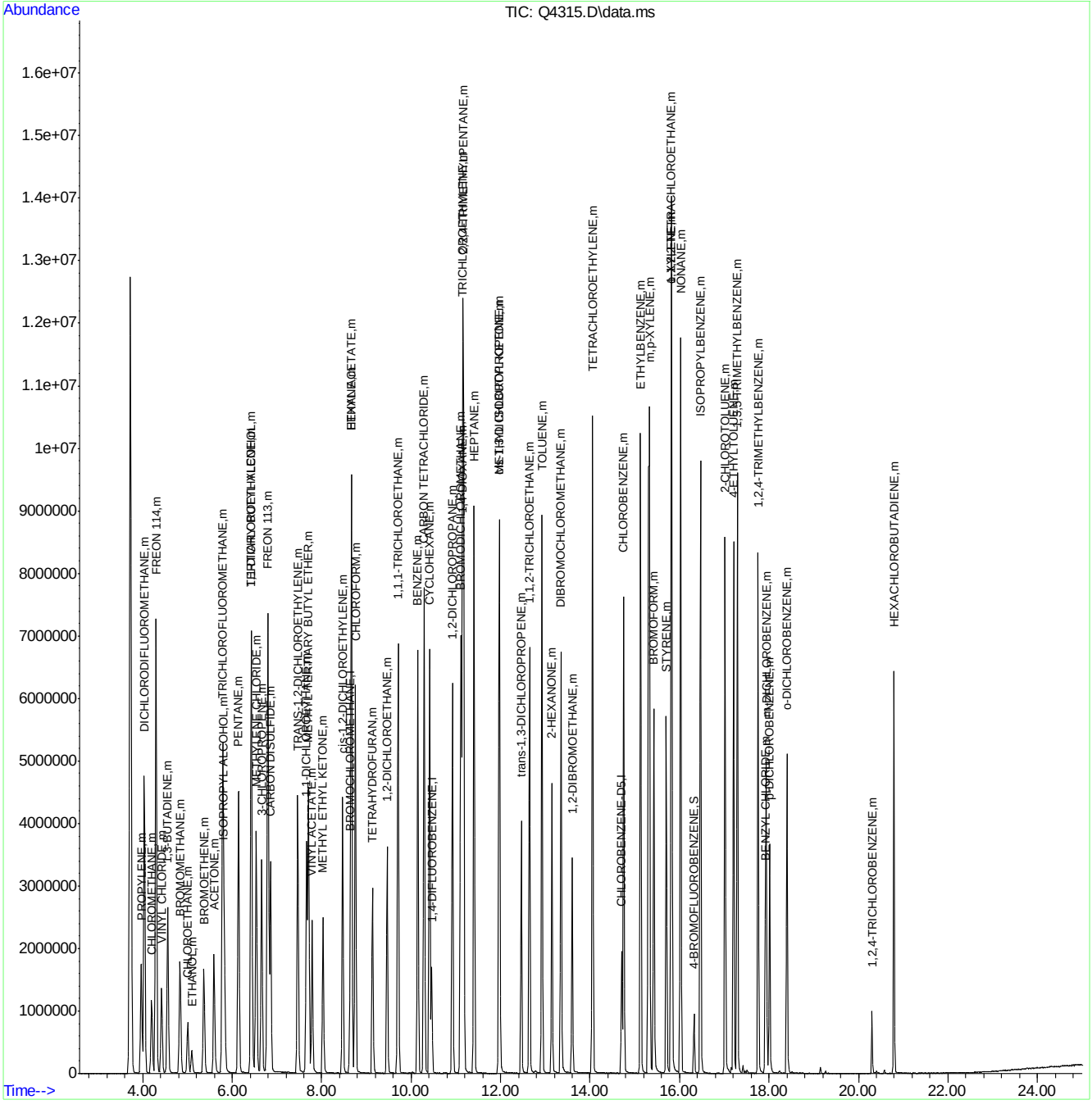
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) METHYL ISOBUTYL KETONE	11.975	43	4015707	72.00	PPBV	98
45) cis-1,3-DICHLOROPROPENE	11.961	75	2309292	80.37	PPBV	92
46) TOLUENE	12.923	92	3057942	65.35	PPBV	100
47) trans-1,3-DICHLOROPROPENE	12.460	75	1688986	88.28	PPBV	98
48) 1,1,2-TRICHLOROETHANE	12.644	83	1601816	57.88	PPBV	99
50) 2-HEXANONE	13.145	43	3022852	84.97	PPBV	96
51) TETRACHLOROETHYLENE	14.055	164	1874753	59.27	PPBV	98
52) DIBROMOCHLOROMETHANE	13.349	129	3079946	55.78	PPBV	99
53) 1,2-DIBROMOETHANE	13.599	107	2051467	61.75	PPBV	99
54) CHLOROBENZENE	14.749	112	3112231	56.94	PPBV	99
55) ETHYLBENZENE	15.129	91	6419467	88.00	PPBV	99
56) m,p-XYLENE	15.324	106	4216747	161.58	PPBV	97
57) o-XYLENE	15.825	106	2032412	76.05	PPBV	99
58) STYRENE	15.702	104	2177993	105.14	PPBV	99
59) NONANE	16.024	43	4400525	74.38	PPBV	99
60) BROMOFORM	15.424	173	2493121	60.31	PPBV	98
62) 1,1,2,2-TETRACHLOROETHANE	15.812	83	3475803m	50.48	PPBV	
63) ISOPROPYLBENZENE	16.467	105	5761428m	69.27	PPBV	
64) 2-CHLOROTOLUENE	17.016	91	4250356	76.59	PPBV	99
65) 4-ETHYLTOLUENE	17.206	105	4574126	80.10	PPBV	100
66) 1,3,5-TRIMETHYLBENZENE	17.291	105	4607781	70.96	PPBV	99
67) 1,2,4-TRIMETHYLBENZENE	17.756	105	3956013	80.82	PPBV	100
68) m-DICHLOROBENZENE	17.939	146	1449699	64.02	PPBV	99
69) BENZYL CHLORIDE	17.914	91	1326034	68.72	PPBV	98
70) p-DICHLOROBENZENE	18.013	146	1095694	66.00	PPBV	99
71) o-DICHLOROBENZENE	18.400	146	1548360	67.37	PPBV	99
72) HEXACHLOROBUTADIENE	20.794	225	942071	27.36	PPBV	99
73) 1,2,4-TRICHLOROBENZENE	20.303	180	226193	78.09	PPBV	99

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

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\
Data File : Q4315.D
Acq On : 16 Aug 2007 5:51 pm
Operator : danat
Sample : ic229-40 (M090)
Misc : MS14080, MSQ229,,,,,1
ALS Vial : 2 Sample Multiplier: 1

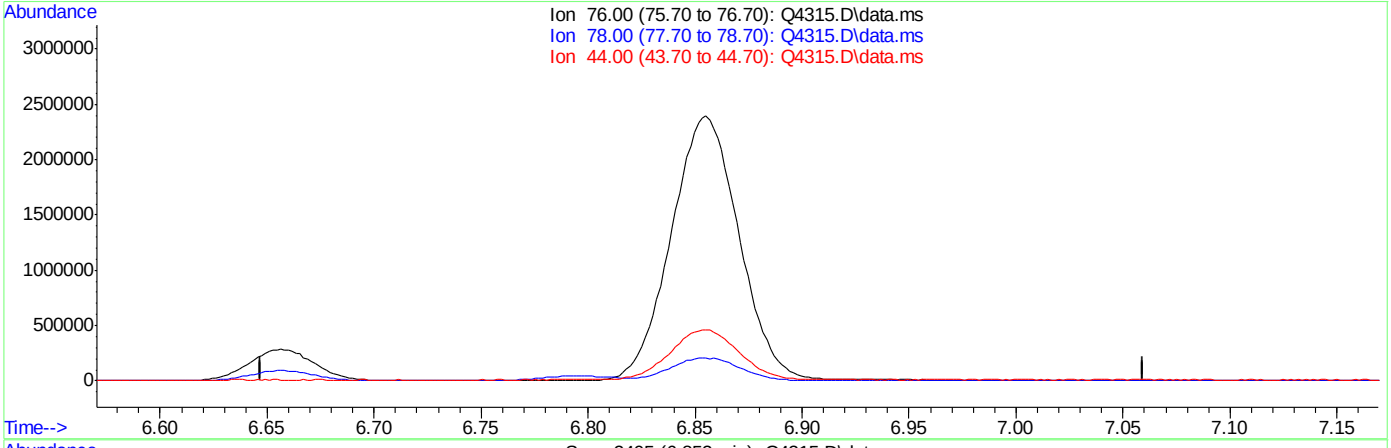
Quant Time: Aug 16 18:17:54 2007
Quant Method : C:\msdchem\1\METHODS\Q081607T.m
Quant Title : TO15 by GCMS w/DB-1 60 m X .25 mm ID 1.0 um
QLast Update : Thu Aug 16 17:59:36 2007
Response via : Initial Calibration

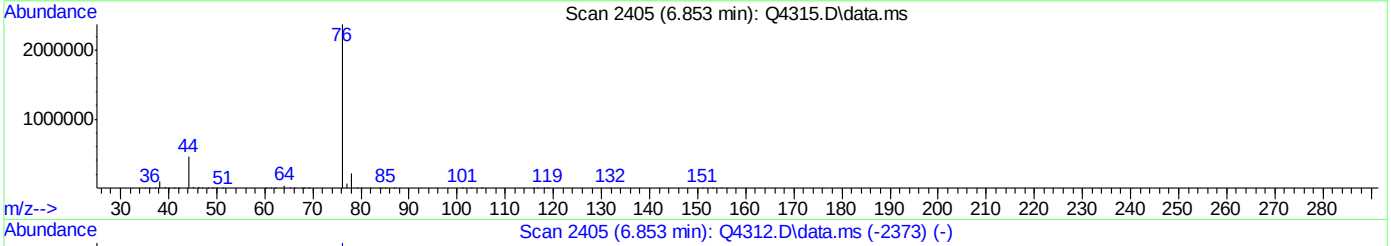


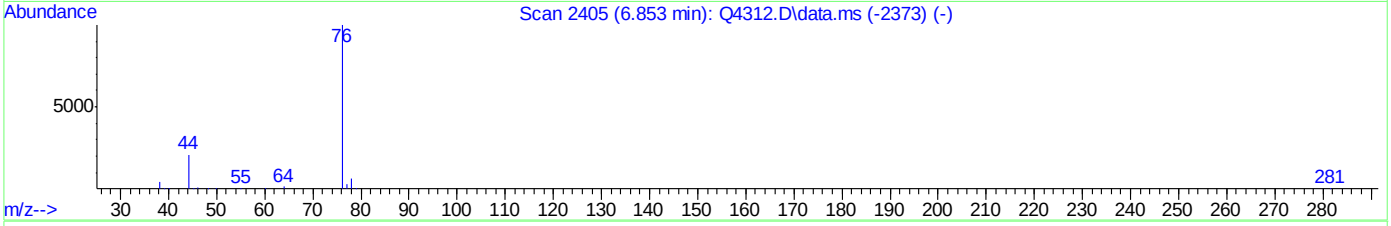
Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\
Data File : Q4315.D
Acq On : 16 Aug 2007 5:51 pm
Operator : danat
Sample : ic229-40 (M090)
Misc : MS14080, MSQ229,,,,,1
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Aug 16 18:16:44 2007
Quant Method : C:\msdchem\1\METHODS\Q081607T.m
Quant Title : TO15 by GCMS w/DB-1 60 m X .25 mm ID 1.0 um
QLast Update : Thu Aug 16 17:59:36 2007
Response via : Initial Calibration







TIC: Q4315.D\data.ms

(15) CARBON DISULFIDE (m)

6.853min (-6.853) 0.00PPBV

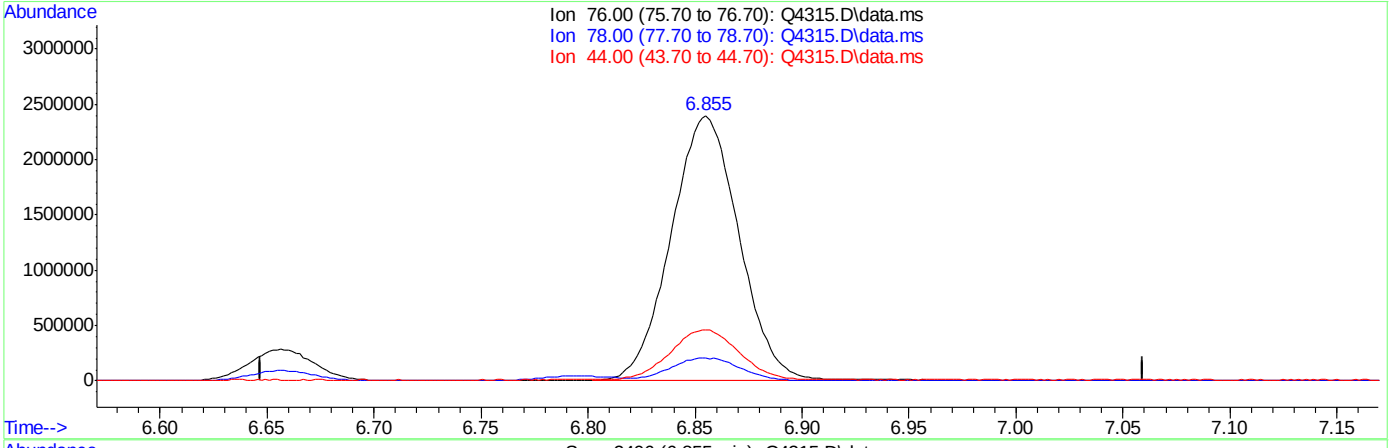
response 0

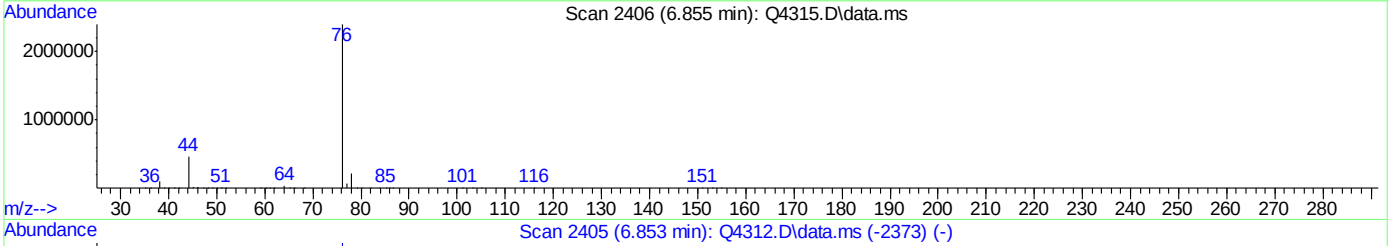
Ion	Exp%	Act%
76.00	100	0.00
78.00	8.80	0.00
44.00	20.60	0.00#
0.00	0.00	0.00

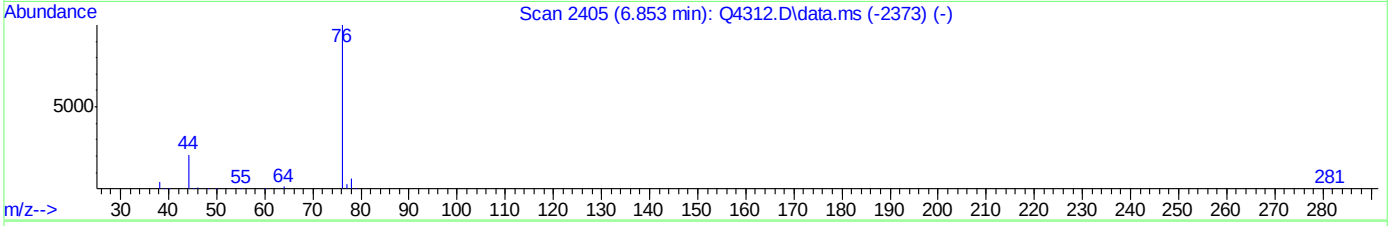
Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\
Data File : Q4315.D
Acq On : 16 Aug 2007 5:51 pm
Operator : danat
Sample : ic229-40 (M090)
Misc : MS14080, MSQ229,,,,,1
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Aug 16 18:16:44 2007
Quant Method : C:\msdchem\1\METHODS\Q081607T.m
Quant Title : TO15 by GCMS w/DB-1 60 m X .25 mm ID 1.0 um
QLast Update : Thu Aug 16 17:59:36 2007
Response via : Initial Calibration







TIC: Q4315.D\data.ms

(15) CARBON DISULFIDE (m)

6.855min (+0.002) 33.94PPBV m

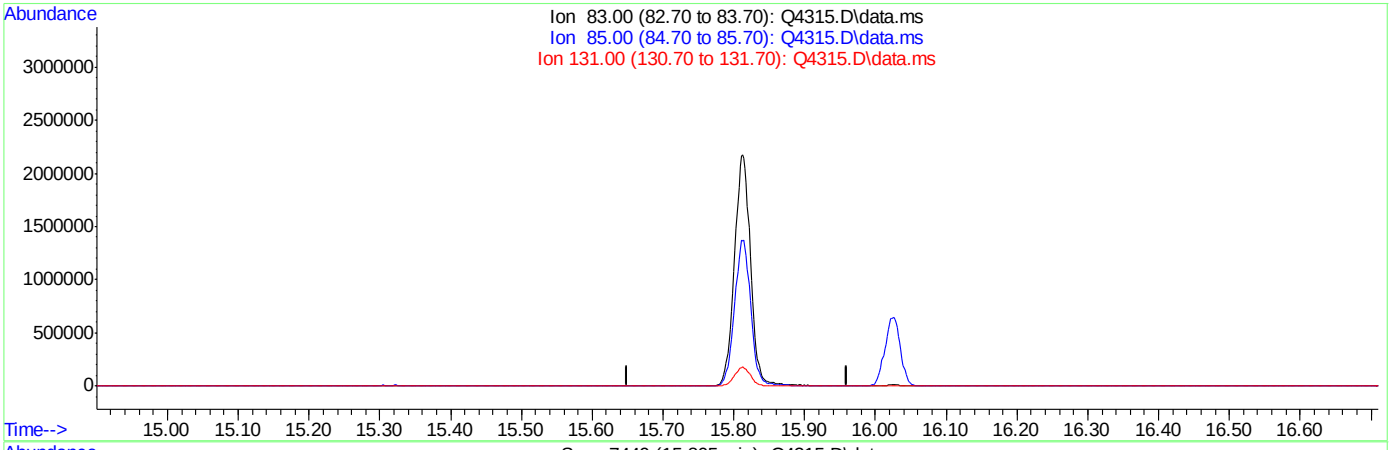
response 5295311

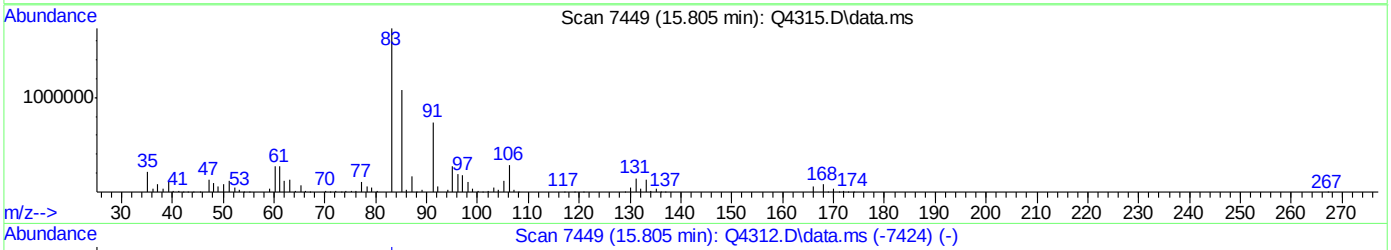
Ion	Exp%	Act%
76.00	100	100
78.00	8.80	0.00
44.00	20.60	0.00#
0.00	0.00	0.00

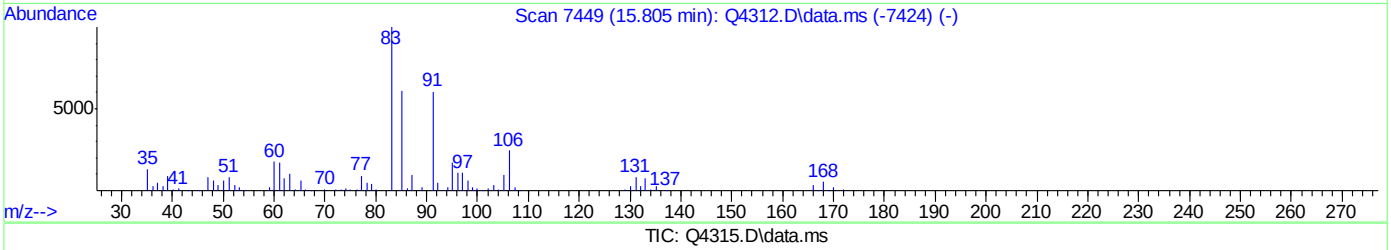
Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\
Data File : Q4315.D
Acq On : 16 Aug 2007 5:51 pm
Operator : danat
Sample : ic229-40 (M090)
Misc : MS14080, MSQ229,,,,,1
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Aug 16 18:16:44 2007
Quant Method : C:\msdchem\1\METHODS\Q081607T.m
Quant Title : TO15 by GCMS w/DB-1 60 m X .25 mm ID 1.0 um
QLast Update : Thu Aug 16 17:59:36 2007
Response via : Initial Calibration







TIC: Q4315.D\data.ms

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

15.805min (-15.805) 0.00PPBV

response 0

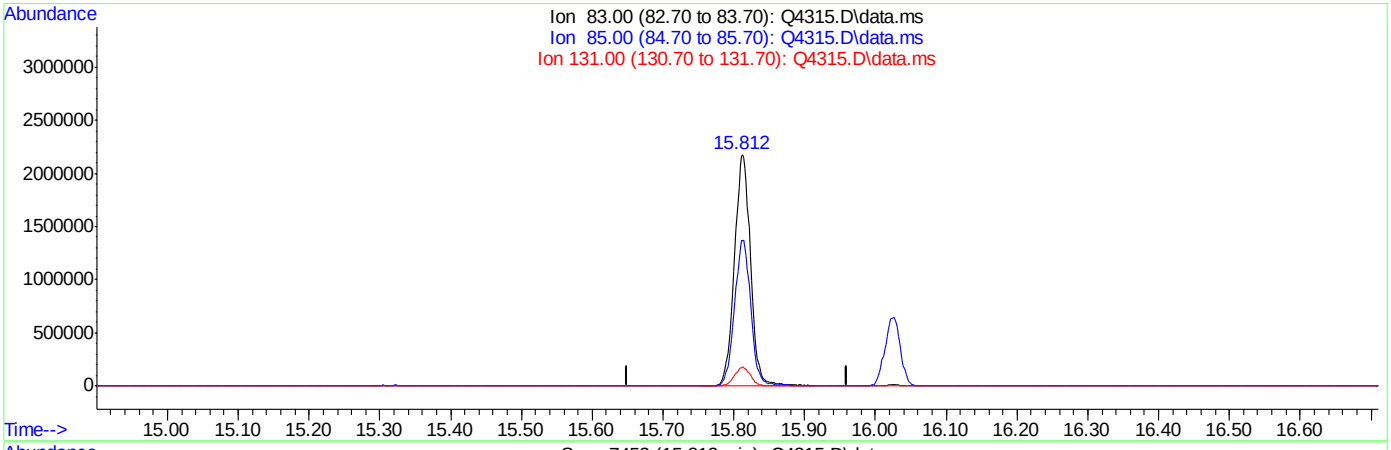
Ion	Exp%	Act%
83.00	100	0.00
85.00	62.90	0.00#
131.00	8.60	0.00
0.00	0.00	0.00

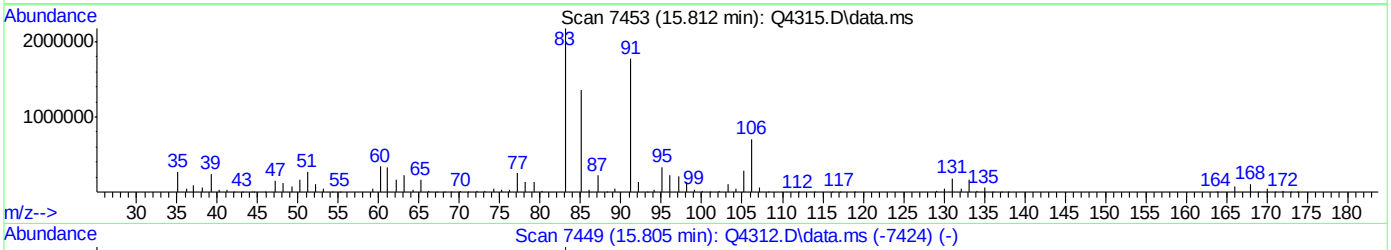
ACCUTEST Laboratories M67264

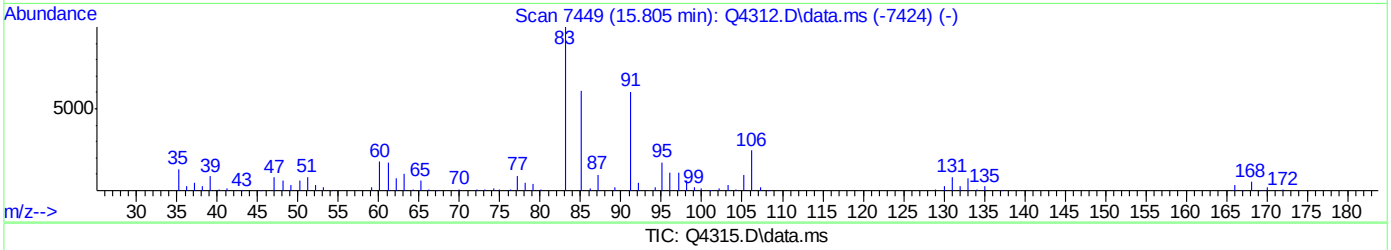
Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\
Data File : Q4315.D
Acq On : 16 Aug 2007 5:51 pm
Operator : danat
Sample : ic229-40 (M090)
Misc : MS14080, MSQ229,,,,,1
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Aug 16 18:16:44 2007
Quant Method : C:\msdchem\1\METHODS\Q081607T.m
Quant Title : TO15 by GCMS w/DB-1 60 m X .25 mm ID 1.0 um
QLast Update : Thu Aug 16 17:59:36 2007
Response via : Initial Calibration







TIC: Q4315.D\data.ms

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

15.812min (+0.007) 50.48PPBV m

response 3475803

Ion	Exp%	Act%
83.00	100	100
85.00	62.90	0.00#
131.00	8.60	0.00
0.00	0.00	0.00

Quantitation Report (Qedit)

```
Data Path : C:\msdchem\1\DATA\
Data File : Q4315.D
Acq On    : 16 Aug 2007   5:51 pm
Operator  : danat
Sample    : ic229-40 (M090)
Misc      : MS14080, MSQ229,,,,,1
ALS Vial  : 2   Sample Multiplier: 1

Quant Time: Aug 16 18:16:44 2007
Quant Method : C:\msdchem\1\METHODS\Q081607T.m
Quant Title  : TO15  by GCMS w/DB-1 60 m X .25 mm ID 1.0 um
QLast Update : Thu Aug 16 17:59:36 2007
Response via : Initial Calibration
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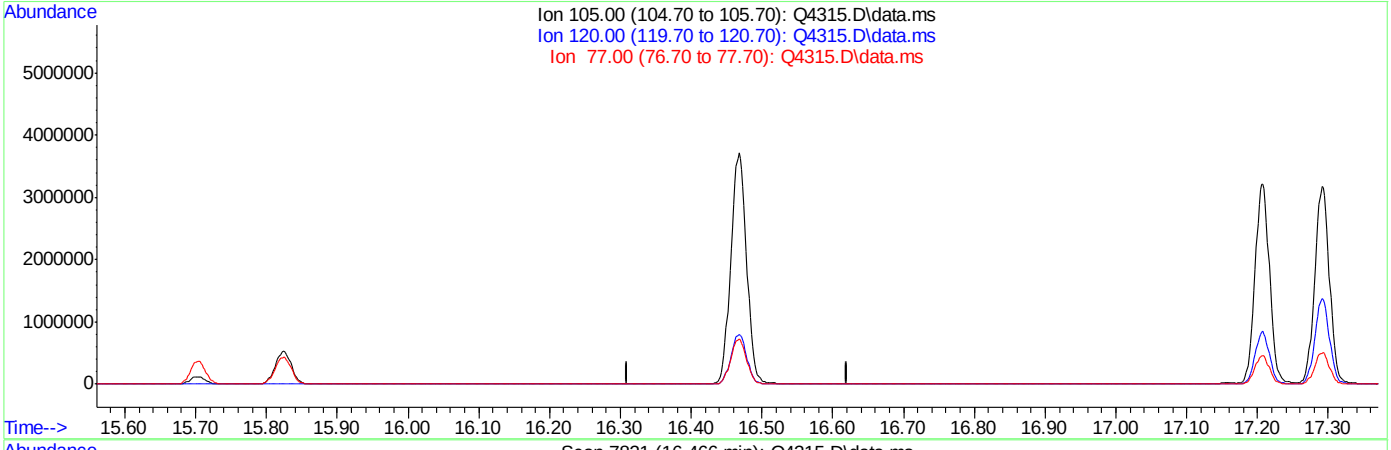
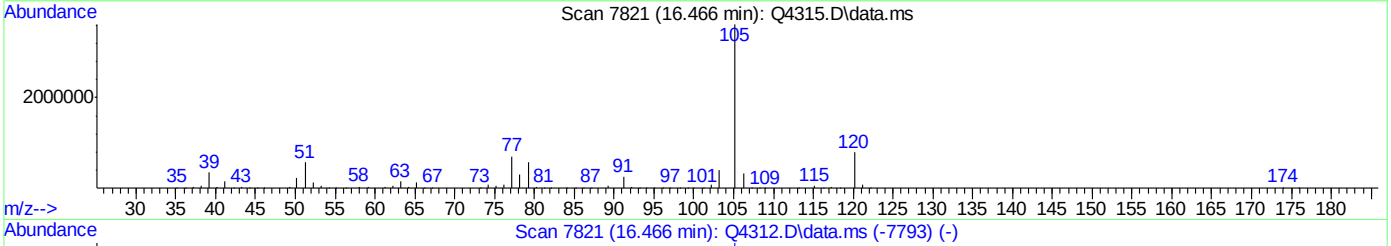
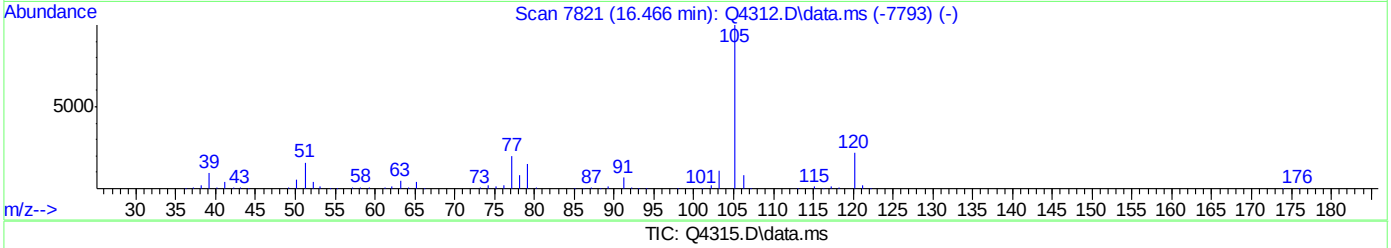






TIC: Q4315.D\data.ms

(63) ISOPROPYLBENZENE (m)

16.466min (-16.466) 0.00PPBV

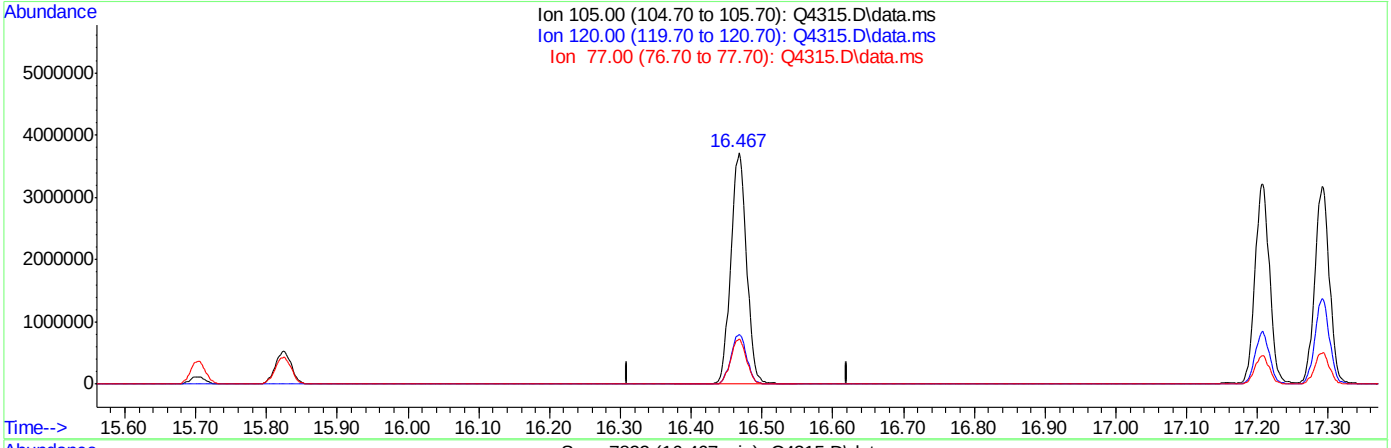
response 0

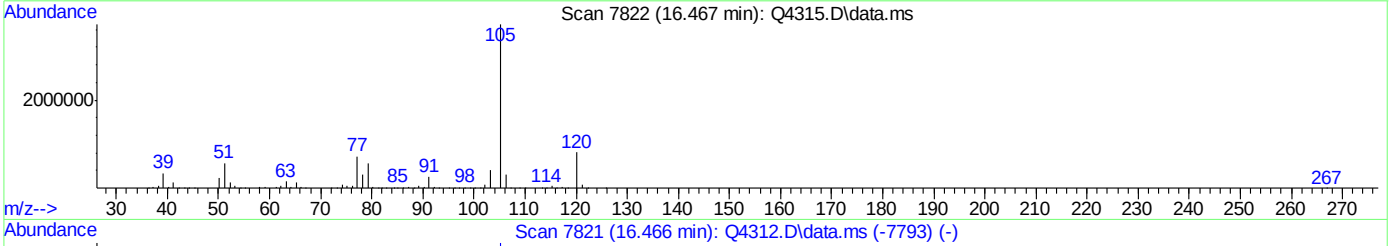
Ion	Exp%	Act%
105.00	100	0.00
120.00	22.00	0.00#
77.00	20.80	0.00#
0.00	0.00	0.00

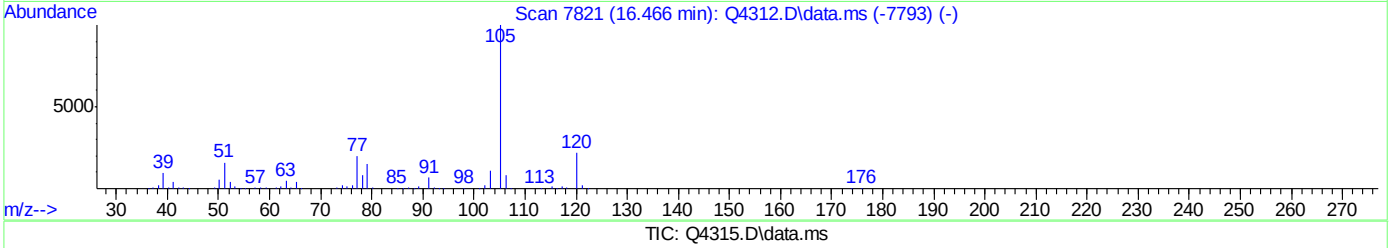
Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\
Data File : Q4315.D
Acq On : 16 Aug 2007 5:51 pm
Operator : danat
Sample : ic229-40 (M090)
Misc : MS14080, MSQ229,,,,,1
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Aug 16 18:16:44 2007
Quant Method : C:\msdchem\1\METHODS\Q081607T.m
Quant Title : TO15 by GCMS w/DB-1 60 m X .25 mm ID 1.0 um
QLast Update : Thu Aug 16 17:59:36 2007
Response via : Initial Calibration







TIC: Q4315.D\data.ms

(63) ISOPROPYLBENZENE (m)

16.467min (+0.002) 69.27PPBV m

response 5761428

Ion	Exp%	Act%
105.00	100	100
120.00	22.00	0.00#
77.00	20.80	0.00#
0.00	0.00	0.00

ACCUTEST Laboratories M67264

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\
Data File : Q4317a.D
Acq On : 17 Aug 2007 8:48 am
Operator : danat
Sample : cc229-10 (M164)
Misc : MS14080, MSQ229,,,,,1
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Aug 17 09:59:27 2007
Quant Method : C:\msdchem\1\METHODS\Q081607T.m
Quant Title : TO15 by GCMS w/DB-1 60 m X .25 mm ID 1.0 um
QLast Update : Thu Aug 16 18:21:28 2007
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) BROMOCHLOROMETHANE	8.628	128	177633	10.00	PPBV	0.00
35) 1,4-DIFLUOROBENZENE	10.456	114	702030	10.00	PPBV	0.00
49) CHLOROBENZENE-D5	14.698	117	560597	10.00	PPBV	0.00
System Monitoring Compounds						
61) 4-BROMOFLUOROBENZENE	16.320	95	219893	6.04	PPBV	0.00
Spiked Amount 5.000	Range 57 - 139		Recovery = 120.80%			
Target Compounds						Qvalue
2) DICHLORODIFLUOROMETHANE	4.037	85	1037497	9.41	PPBV	98
3) PROPYLENE	3.966	41	262682	12.59	PPBV	97
4) FREON 114	4.296	85	981712	10.03	PPBV	99
5) CHLOROMETHANE	4.200	50	343927	11.00	PPBV	95
6) VINYL CHLORIDE	4.420	62	364568	11.66	PPBV	100
7) 1,3-BUTADIENE	4.553	39	310637	10.07	PPBV	93
8) BROMOMETHANE	4.830	94	302133	10.33	PPBV	100
9) CHLOROETHANE	5.004	64	140334	10.56	PPBV	97
10) TRICHLOROFLUOROMETHANE	5.787	101	887338	8.53	PPBV	100
11) ISOPROPYL ALCOHOL	5.820	45	492345	9.72	PPBV	92
12) ACETONE	5.595	43	487376	8.09	PPBV	97
13) PENTANE	6.140	42	381584	9.03	PPBV	97
14) 1,1-DICHLOROETHYLENE	6.424	96	283099	9.52	PPBV	91
15) CARBON DISULFIDE	6.852	76	991143	9.19	PPBV	96
16) ETHANOL	5.094	45	85620	8.32	PPBV	94
17) BROMOETHENE	5.364	106	266647	10.39	PPBV #	96
18) METHYLENE CHLORIDE	6.536	84	268392	10.51	PPBV	94
19) 3-CHLOROPROPENE	6.653	39	336947	10.17	PPBV	95
20) FREON 113	6.791	151	419973	8.15	PPBV	98
21) TRANS-1,2-DICHLOROETHY...	7.464	96	274052	9.72	PPBV	94
22) TERTIARY BUTYL ALCOHOL	6.426	59	528634	10.05	PPBV	96
23) METHYL TERTIARY BUTYL ...	7.703	73	570049	10.13	PPBV	98
24) TETRAHYDROFURAN	9.134	42	205482	11.63	PPBV	95
25) HEXANE	8.662	57	352493	7.32	PPBV	96
26) VINYL ACETATE	7.785	43	553271	10.65	PPBV	93
27) 1,1-DICHLOROETHANE	7.657	63	605444	9.08	PPBV	100
28) METHYL ETHYL KETONE	8.025	43	454104	10.14	PPBV	99
29) cis-1,2-DICHLOROETHYLENE	8.465	96	226100	11.59	PPBV	95
30) ETHYL ACETATE	8.660	43	790424	8.26	PPBV	99
31) CHLOROFORM	8.749	83	660988	9.08	PPBV	97
32) 1,1,1-TRICHLOROETHANE	9.704	97	634397	8.99	PPBV	98
33) CARBON TETRACHLORIDE	10.284	117	680861	8.48	PPBV	99
34) 1,2-DICHLOROETHANE	9.457	62	441072	9.96	PPBV	100
36) BENZENE	10.144	78	649723	13.50	PPBV	98
37) CYCLOHEXANE	10.408	84	266850	12.75	PPBV	90
38) TRICHLOROETHYLENE	11.138	95	371605	12.25	PPBV	98
39) 1,2-DICHLOROPROPANE	10.918	63	233771	11.09	PPBV	99
40) BROMODICHLOROMETHANE	11.100	83	605994	10.62	PPBV	100
41) 2,2,4-TRIMETHYLPENTANE	11.164	57	1238914	13.17	PPBV	100
42) 1,4-DIOXANE	11.125	88	108341	11.71	PPBV #	82
43) HEPTANE	11.402	43	448491	12.60	PPBV	98

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\
Data File : Q4317a.D
Acq On : 17 Aug 2007 8:48 am
Operator : danat
Sample : cc229-10 (M164)
Misc : MS14080, MSQ229,,,,,1
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Aug 17 09:59:27 2007
Quant Method : C:\msdchem\1\METHODS\Q081607T.m
Quant Title : TO15 by GCMS w/DB-1 60 m X .25 mm ID 1.0 um
QLast Update : Thu Aug 16 18:21:28 2007
Response via : Initial Calibration

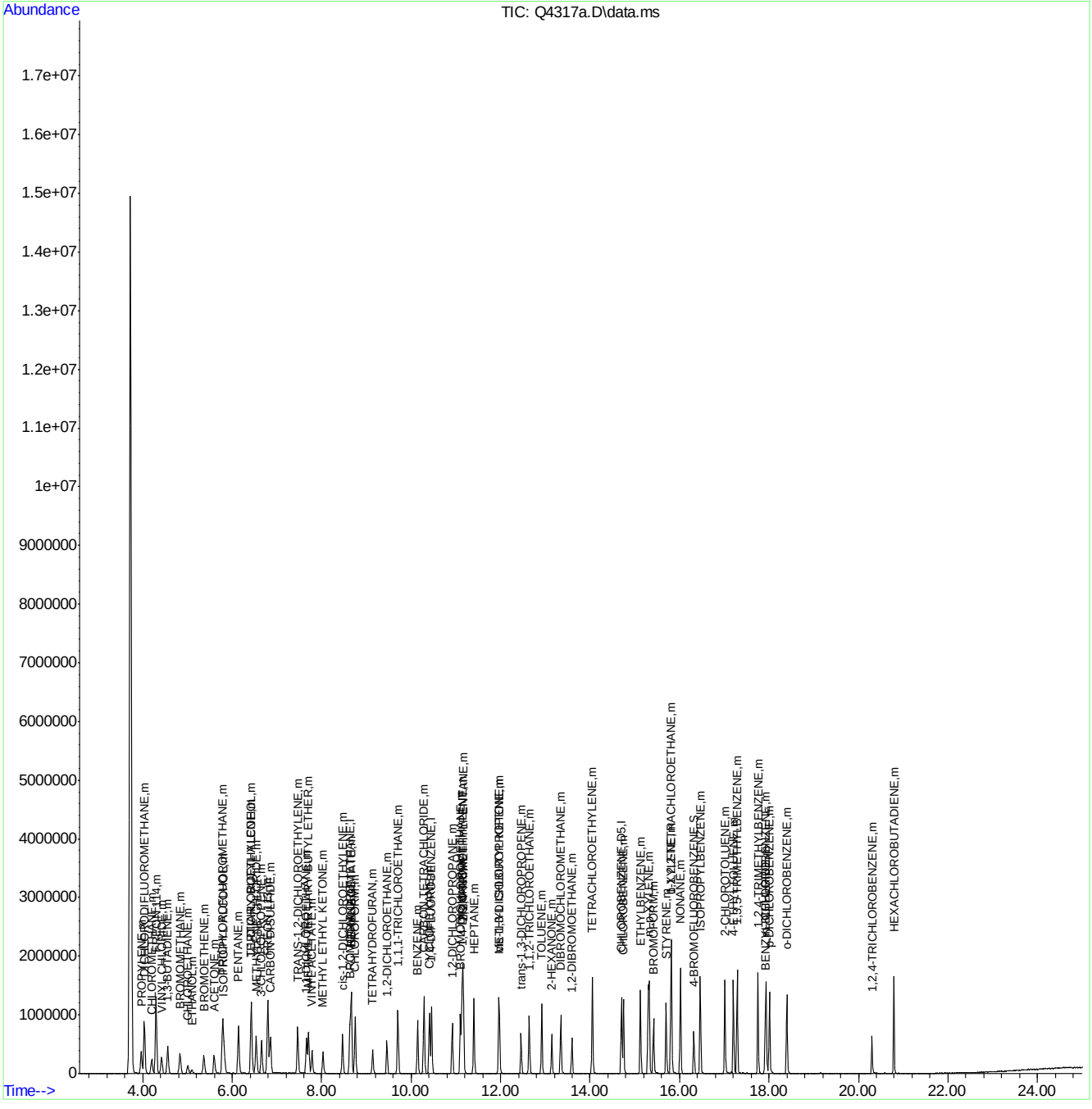
Internal Standards	R.T.	QIon	Response	Conc Units	Dev(Min)
44) METHYL ISOBUTYL KETONE	11.974	43	525653	12.85 PPBV	97
45) cis-1,3-DICHLOROPROPENE	11.958	75	355374	15.55 PPBV	91
46) TOLUENE	12.919	92	397589	11.38 PPBV	97
47) trans-1,3-DICHLOROPROPENE	12.456	75	273367	16.76 PPBV	96
48) 1,1,2-TRICHLOROETHANE	12.639	83	230311	11.42 PPBV	98
50) 2-HEXANONE	13.141	43	412980	14.18 PPBV	96
51) TETRACHLOROETHYLENE	14.052	164	287105	12.09 PPBV	98
52) DIBROMOCHLOROMETHANE	13.344	129	449902	10.98 PPBV	98
53) 1,2-DIBROMOETHANE	13.594	107	355518	14.14 PPBV	98
54) CHLOROBENZENE	14.744	112	539539	13.25 PPBV	97
55) ETHYLBENZENE	15.124	91	857010	14.26 PPBV	98
56) m,p-XYLENE	15.319	106	615791	27.97 PPBV	92
57) o-XYLENE	15.816	106	330392	14.23 PPBV	95
58) STYRENE	15.697	104	457281	18.76 PPBV	96
59) NONANE	16.020	43	630231	13.64 PPBV	98
60) BROMOFORM	15.417	173	378763	12.16 PPBV	99
62) 1,1,2,2-TETRACHLOROETHANE	15.807	83	582242	11.61 PPBV	98
63) ISOPROPYLBENZENE	16.462	105	975234	14.29 PPBV	98
64) 2-CHLOROTOLUENE	17.012	91	781025	15.35 PPBV	96
65) 4-ETHYLTOLUENE	17.204	105	843455	14.82 PPBV	99
66) 1,3,5-TRIMETHYLBENZENE	17.287	105	838538	14.65 PPBV	96
67) 1,2,4-TRIMETHYLBENZENE	17.752	105	785673	15.40 PPBV	97
68) m-DICHLOROBENZENE	17.935	146	481427	22.47 PPBV	98
69) BENZYL CHLORIDE	17.912	91	487116	25.70 PPBV	99
70) p-DICHLOROBENZENE	18.009	146	456418	26.83 PPBV	98
71) o-DICHLOROBENZENE	18.396	146	434281	19.80 PPBV	99
72) HEXACHLOROBUTADIENE	20.792	225	229131	14.78 PPBV	100
73) 1,2,4-TRICHLOROBENZENE	20.301	180	142916	37.35 PPBV	97

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

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\
Data File : Q4317a.D
Acq On : 17 Aug 2007 8:48 am
Operator : danat
Sample : cc229-10 (M164)
Misc : MS14080, MSQ229,,,,,1
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Aug 17 09:59:27 2007
Quant Method : C:\msdchem\1\METHODS\Q081607T.m
Quant Title : TO15 by GCMS w/DB-1 60 m X .25 mm ID 1.0 um
QLast Update : Thu Aug 16 18:21:28 2007
Response via : Initial Calibration



Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\
Data File : Q4317.D
Acq On : 17 Aug 2007 8:48 am
Operator : danat
Sample : icv229-10 (M164)
Misc : MS14080, MSQ229,,,,,1
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Aug 17 09:59:27 2007
Quant Method : C:\msdchem\1\METHODS\Q081607T.m
Quant Title : TO15 by GCMS w/DB-1 60 m X .25 mm ID 1.0 um
QLast Update : Thu Aug 16 18:21:28 2007
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) BROMOCHLOROMETHANE	8.628	128	177633	10.00	PPBV	0.00
35) 1,4-DIFLUOROBENZENE	10.456	114	702030	10.00	PPBV	0.00
49) CHLOROBENZENE-D5	14.698	117	560597	10.00	PPBV	0.00
System Monitoring Compounds						
61) 4-BROMOFLUOROBENZENE	16.320	95	219893	6.04	PPBV	0.00
Spiked Amount 5.000	Range 57 - 139		Recovery = 120.80%			
Target Compounds						Qvalue
2) DICHLORODIFLUOROMETHANE	4.037	85	1037497	9.41	PPBV	98
3) PROPYLENE	3.966	41	262682	12.59	PPBV	97
4) FREON 114	4.296	85	981712	10.03	PPBV	99
5) CHLOROMETHANE	4.200	50	343927	11.00	PPBV	95
6) VINYL CHLORIDE	4.420	62	364568	11.66	PPBV	100
7) 1,3-BUTADIENE	4.553	39	310637	10.07	PPBV	93
8) BROMOMETHANE	4.830	94	302133	10.33	PPBV	100
9) CHLOROETHANE	5.004	64	140334	10.56	PPBV	97
10) TRICHLOROFLUOROMETHANE	5.787	101	887338	8.53	PPBV	100
11) ISOPROPYL ALCOHOL	5.820	45	492345	9.72	PPBV	92
12) ACETONE	5.595	43	487376	8.09	PPBV	97
13) PENTANE	6.140	42	381584	9.03	PPBV	97
14) 1,1-DICHLOROETHYLENE	6.424	96	283099	9.52	PPBV	91
15) CARBON DISULFIDE	6.852	76	991143	9.19	PPBV	96
16) ETHANOL	5.094	45	85620	8.32	PPBV	94
17) BROMOETHENE	5.364	106	266647	10.39	PPBV #	96
18) METHYLENE CHLORIDE	6.536	84	268392	10.51	PPBV	94
19) 3-CHLOROPROPENE	6.653	39	336947	10.17	PPBV	95
20) FREON 113	6.791	151	419973	8.15	PPBV	98
21) TRANS-1,2-DICHLOROETHY...	7.464	96	274052	9.72	PPBV	94
22) TERTIARY BUTYL ALCOHOL	6.426	59	528634	10.05	PPBV	96
23) METHYL TERTIARY BUTYL ...	7.703	73	570049	10.13	PPBV	98
24) TETRAHYDROFURAN	9.134	42	205482	11.63	PPBV	95
25) HEXANE	8.662	57	352493	7.32	PPBV	96
26) VINYL ACETATE	7.785	43	553271	10.65	PPBV	93
27) 1,1-DICHLOROETHANE	7.657	63	605444	9.08	PPBV	100
28) METHYL ETHYL KETONE	8.025	43	454104	10.14	PPBV	99
29) cis-1,2-DICHLOROETHYLENE	8.465	96	226100	11.59	PPBV	95
30) ETHYL ACETATE	8.660	43	790424	8.26	PPBV	99
31) CHLOROFORM	8.749	83	660988	9.08	PPBV	97
32) 1,1,1-TRICHLOROETHANE	9.704	97	634397	8.99	PPBV	98
33) CARBON TETRACHLORIDE	10.284	117	680861	8.48	PPBV	99
34) 1,2-DICHLOROETHANE	9.457	62	441072	9.96	PPBV	100
36) BENZENE	10.144	78	649723	13.50	PPBV	98
37) CYCLOHEXANE	10.408	84	266850	12.75	PPBV	90
38) TRICHLOROETHYLENE	11.138	95	371605	12.25	PPBV	98
39) 1,2-DICHLOROPROPANE	10.918	63	233771	11.09	PPBV	99
40) BROMODICHLOROMETHANE	11.100	83	605994	10.62	PPBV	100
41) 2,2,4-TRIMETHYLPENTANE	11.164	57	1238914	13.17	PPBV	100
42) 1,4-DIOXANE	11.125	88	108341	11.71	PPBV #	82
43) HEPTANE	11.402	43	448491	12.60	PPBV	98

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\
Data File : Q4317.D
Acq On : 17 Aug 2007 8:48 am
Operator : danat
Sample : icv229-10 (M164)
Misc : MS14080, MSQ229,,,,,1
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Aug 17 09:59:27 2007
Quant Method : C:\msdchem\1\METHODS\Q081607T.m
Quant Title : TO15 by GCMS w/DB-1 60 m X .25 mm ID 1.0 um
QLast Update : Thu Aug 16 18:21:28 2007
Response via : Initial Calibration

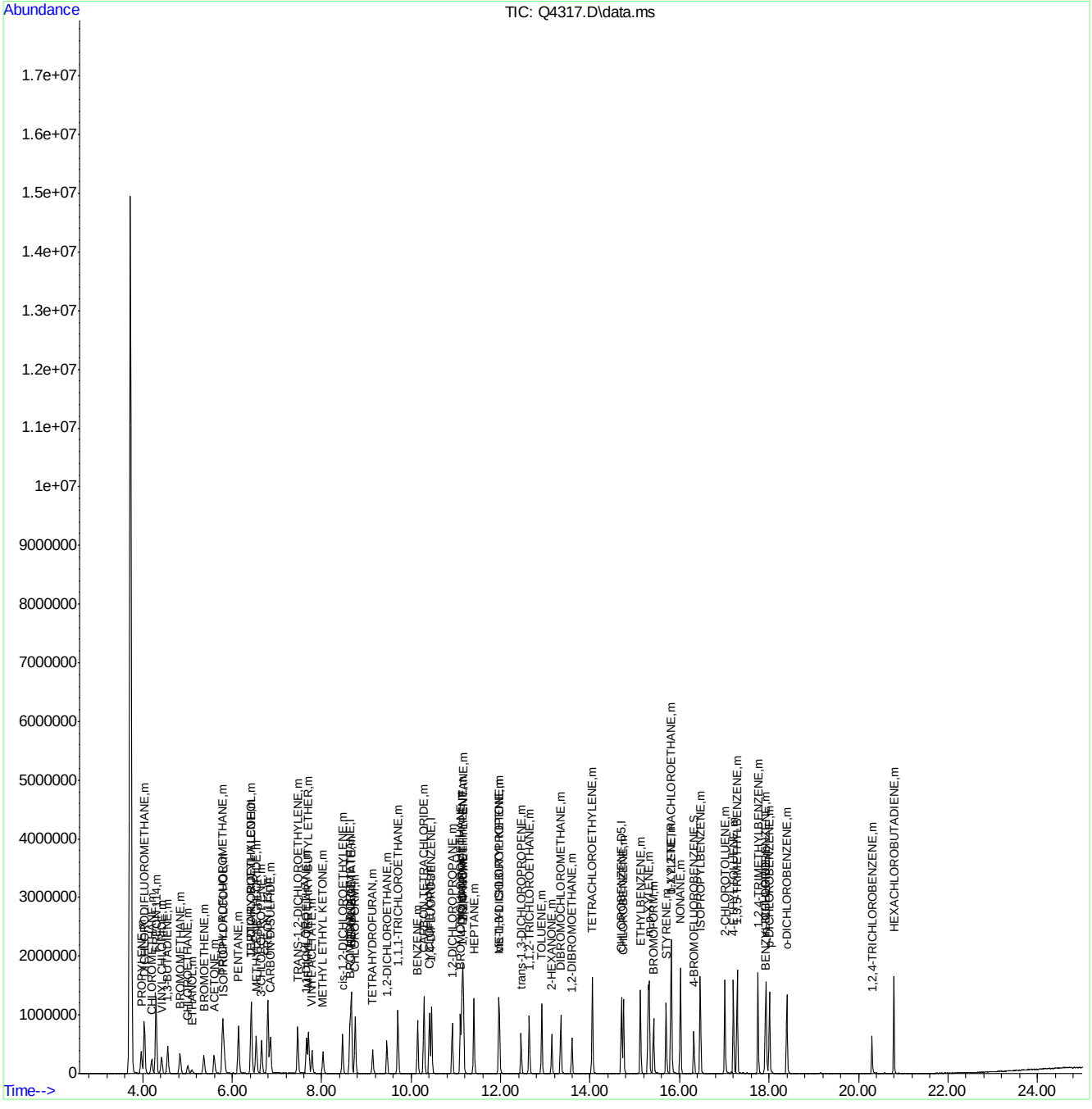
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) METHYL ISOBUTYL KETONE	11.974	43	525653	12.85	PPBV	97
45) cis-1,3-DICHLOROPROPENE	11.958	75	355374	15.55	PPBV	91
46) TOLUENE	12.919	92	397589	11.38	PPBV	97
47) trans-1,3-DICHLOROPROPENE	12.456	75	273367	16.76	PPBV	96
48) 1,1,2-TRICHLOROETHANE	12.639	83	230311	11.42	PPBV	98
50) 2-HEXANONE	13.141	43	412980	14.18	PPBV	96
51) TETRACHLOROETHYLENE	14.052	164	287105	12.09	PPBV	98
52) DIBROMOCHLOROMETHANE	13.344	129	449902	10.98	PPBV	98
53) 1,2-DIBROMOETHANE	13.594	107	355518	14.14	PPBV	98
54) CHLOROBENZENE	14.744	112	539539	13.25	PPBV	97
55) ETHYLBENZENE	15.124	91	857010	14.26	PPBV	98
56) m,p-XYLENE	15.319	106	615791	27.97	PPBV	92
57) o-XYLENE	15.816	106	330392	14.23	PPBV	95
58) STYRENE	15.697	104	457281	18.76	PPBV	96
59) NONANE	16.020	43	630231	13.64	PPBV	98
60) BROMOFORM	15.417	173	378763	12.16	PPBV	99
62) 1,1,2,2-TETRACHLOROETHANE	15.807	83	582242	11.61	PPBV	98
63) ISOPROPYLBENZENE	16.462	105	975234	14.29	PPBV	98
64) 2-CHLOROTOLUENE	17.012	91	781025	15.35	PPBV	96
65) 4-ETHYLTOLUENE	17.204	105	843455	14.82	PPBV	99
66) 1,3,5-TRIMETHYLBENZENE	17.287	105	838538	14.65	PPBV	96
67) 1,2,4-TRIMETHYLBENZENE	17.752	105	785673	15.40	PPBV	97
68) m-DICHLOROBENZENE	17.935	146	481427	22.47	PPBV	98
69) BENZYL CHLORIDE	17.912	91	487116	25.70	PPBV	99
70) p-DICHLOROBENZENE	18.009	146	456418	26.83	PPBV	98
71) o-DICHLOROBENZENE	18.396	146	434281	19.80	PPBV	99
72) HEXACHLOROBUTADIENE	20.792	225	229131	14.78	PPBV	100
73) 1,2,4-TRICHLOROBENZENE	20.301	180	142916	37.35	PPBV	97

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

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\
Data File : Q4317.D
Acq On : 17 Aug 2007 8:48 am
Operator : danat
Sample : icv229-10 (M164)
Misc : MS14080, MSQ229,,,,,1
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Aug 17 09:59:27 2007
Quant Method : C:\msdchem\1\METHODS\Q081607T.m
Quant Title : TO15 by GCMS w/DB-1 60 m X .25 mm ID 1.0 um
QLast Update : Thu Aug 16 18:21:28 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 : 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

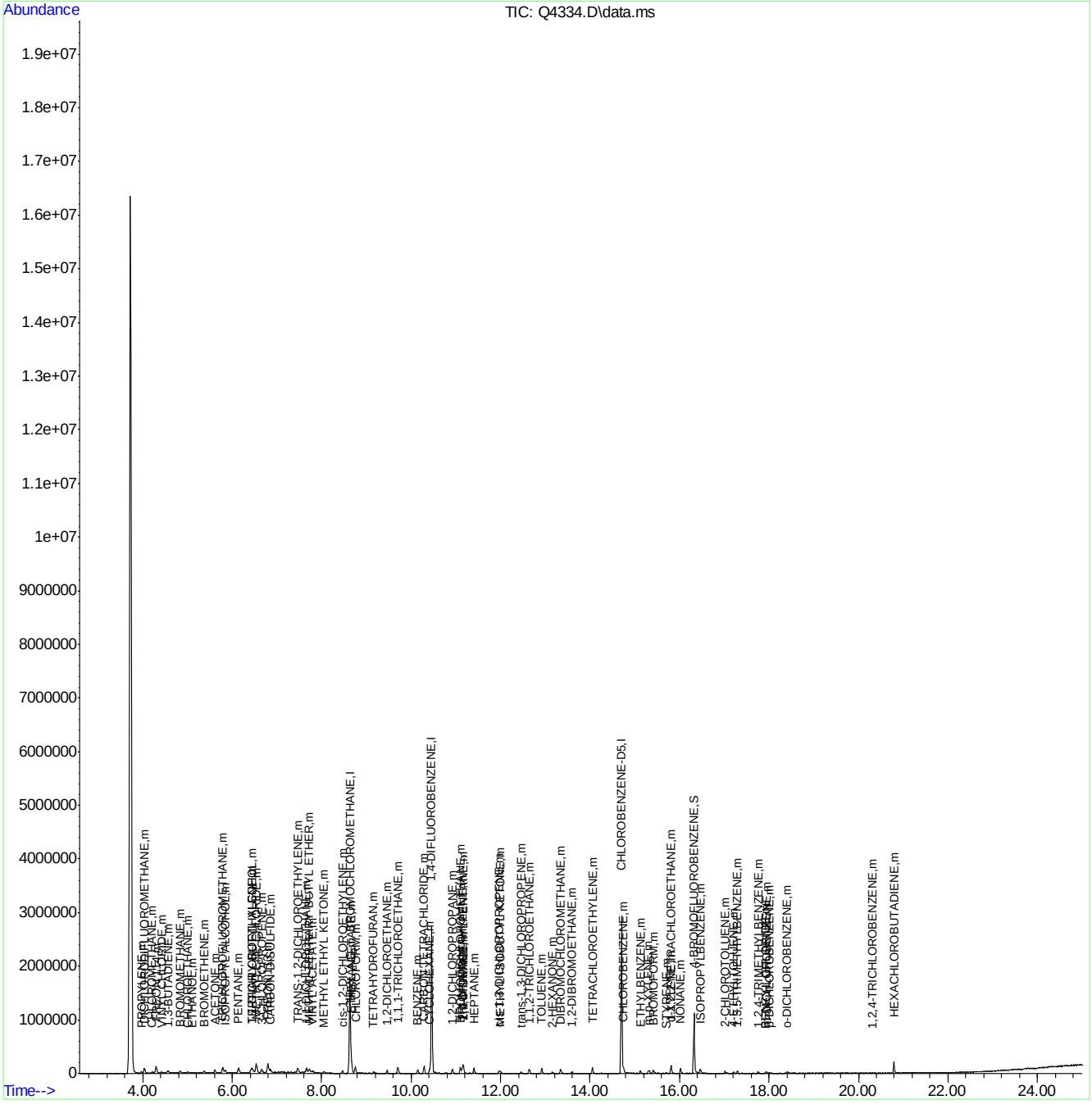
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) METHYL ISOBUTYL KETONE	11.981	43	26653	0.30	PPBV	90
45) cis-1,3-DICHLOROPROPENE	11.958	75	14044	0.30	PPBV #	82
46) TOLUENE	12.918	92	26793	0.37	PPBV	92
47) trans-1,3-DICHLOROPROPENE	12.463	75	9361	0.29	PPBV	88
48) 1,1,2-TRICHLOROETHANE	12.641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

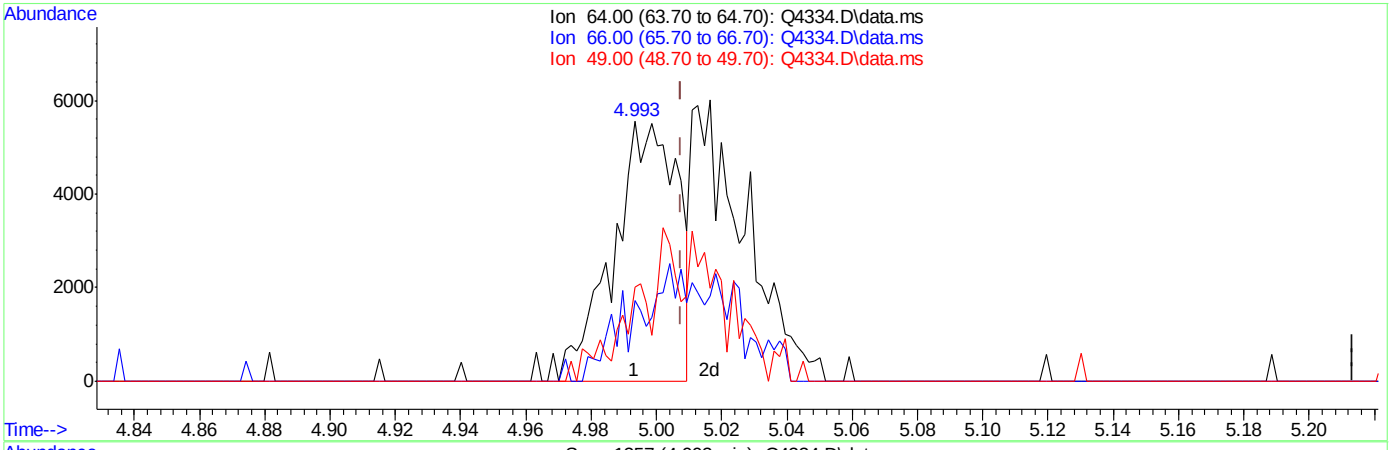
Quant Time: Aug 20 13:58:46 2007
Quant Method : C:\msdchem\1\METHODS\Q082007T.m
Quant Title : TO15 by GCMS w/DB-1 60 m X .25 mm ID 1.0 um
QLast Update : Mon Aug 20 13:55:19 2007
Response via : Initial Calibration

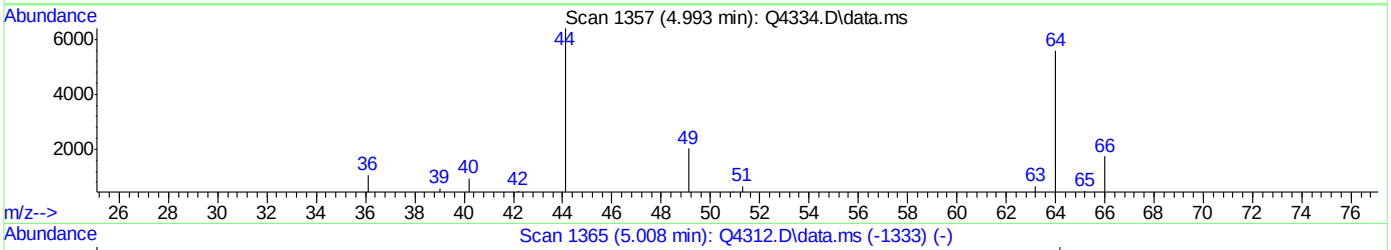


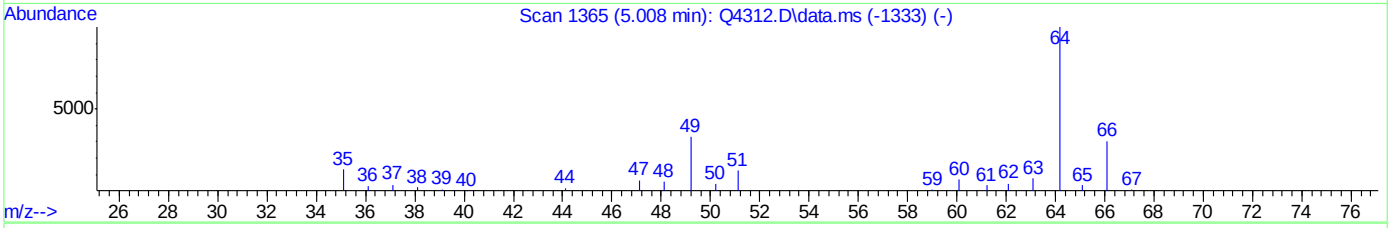
Quantitation Report (Qedit)

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

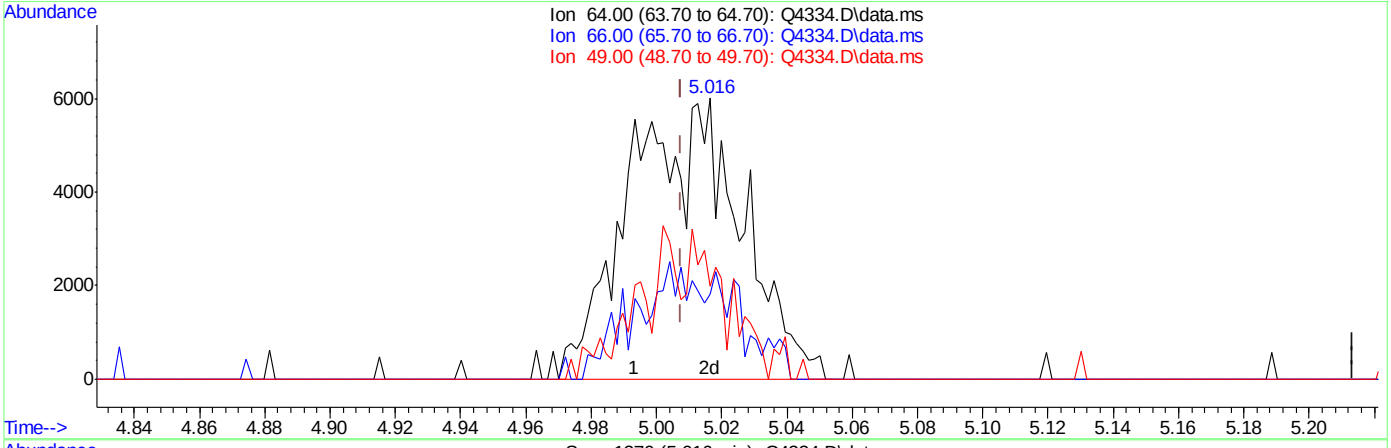
response 7537

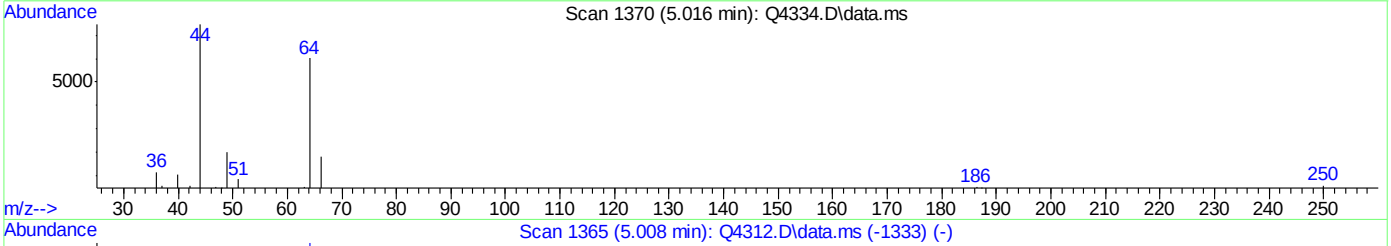
Ion	Exp%	Act%
64.00	100	100
66.00	31.30	67.64#
49.00	38.80	75.60#
0.00	0.00	0.00

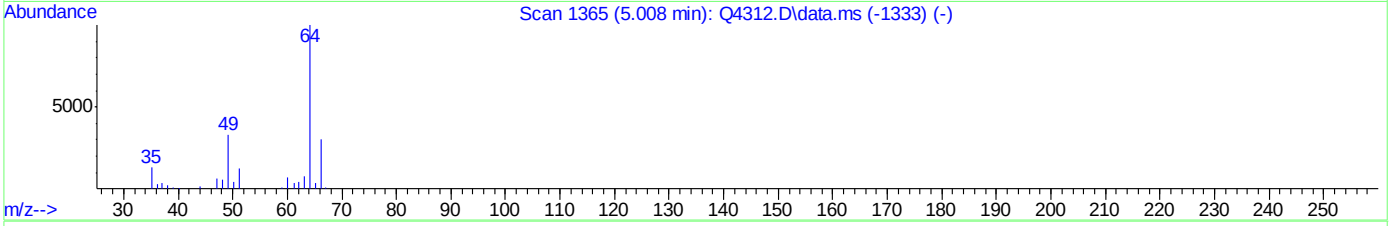
Quantitation Report (Qedit)

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

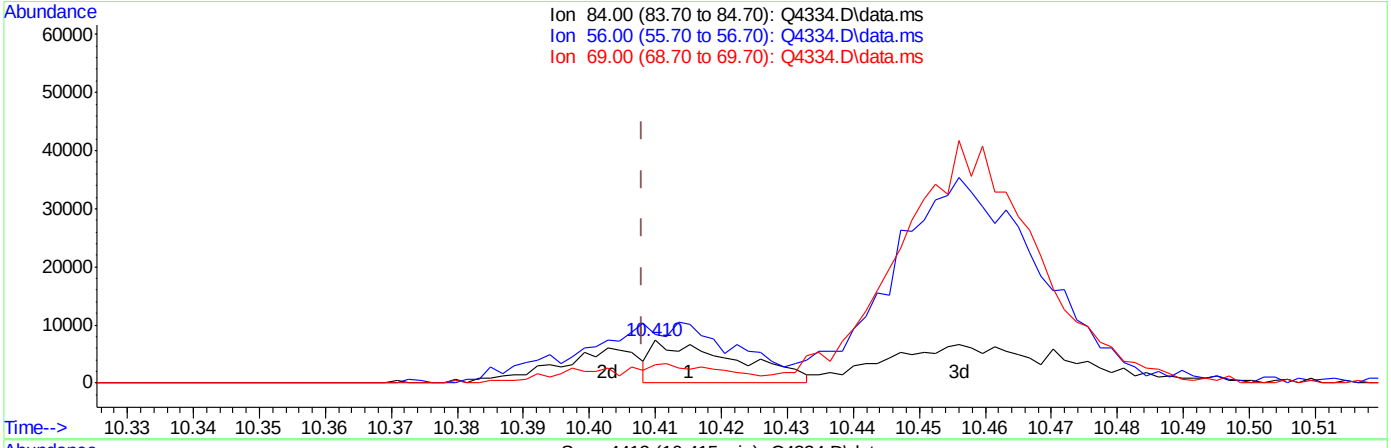
response 14301

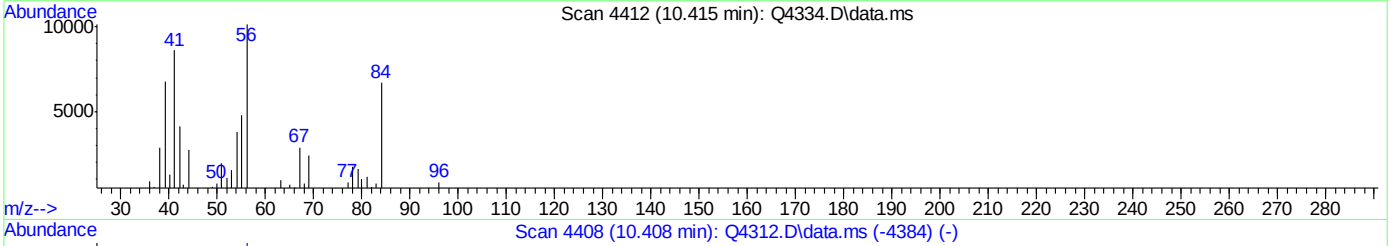
Ion	Exp%	Act%
64.00	100	100
66.00	31.30	35.65
49.00	38.80	39.84
0.00	0.00	0.00

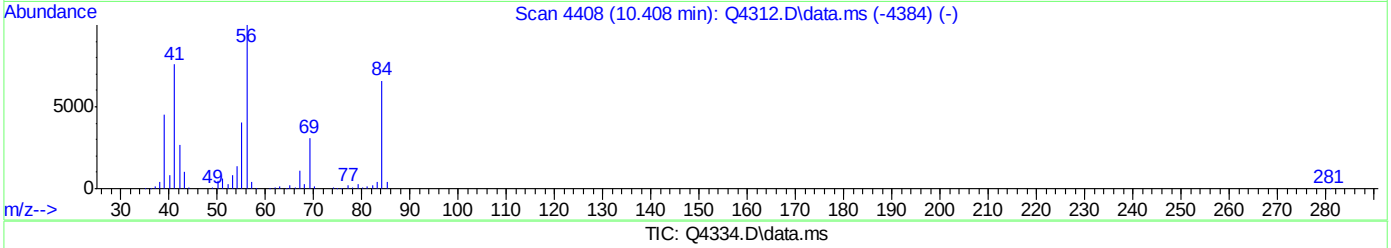
Quantitation Report (Qedit)

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

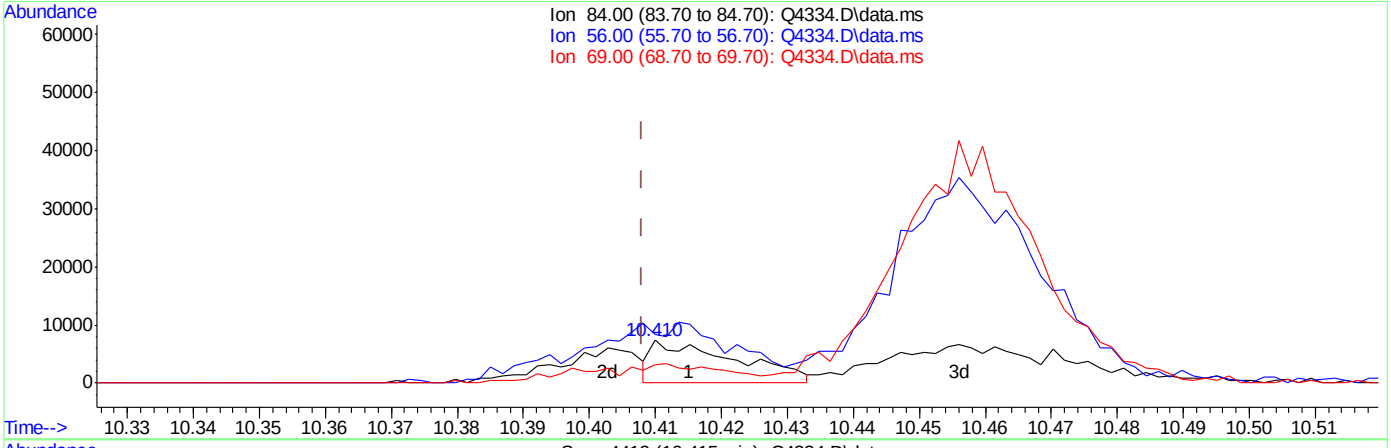
response 6451

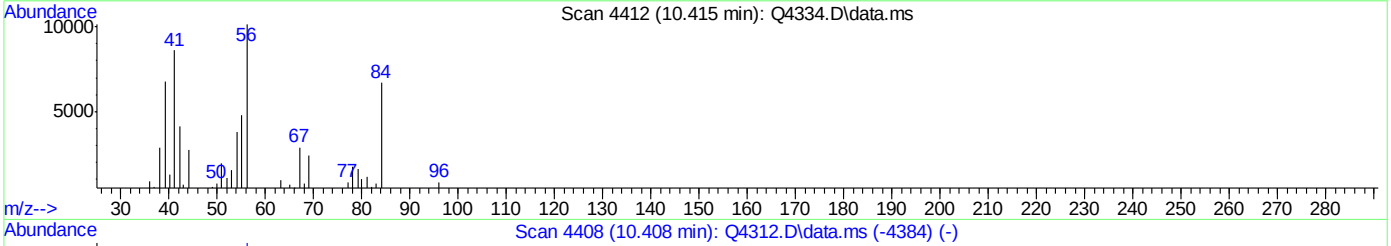
Ion	Exp%	Act%
84.00	100	100
56.00	155.60	257.99#
69.00	44.40	47.09
0.00	0.00	0.00

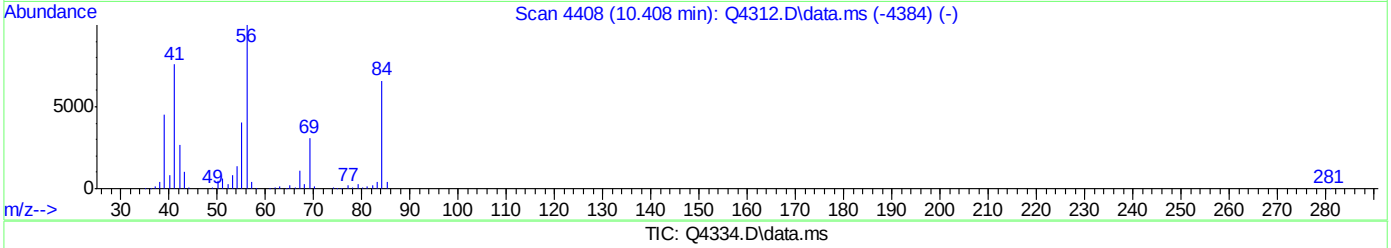
Quantitation Report (Qedit)

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

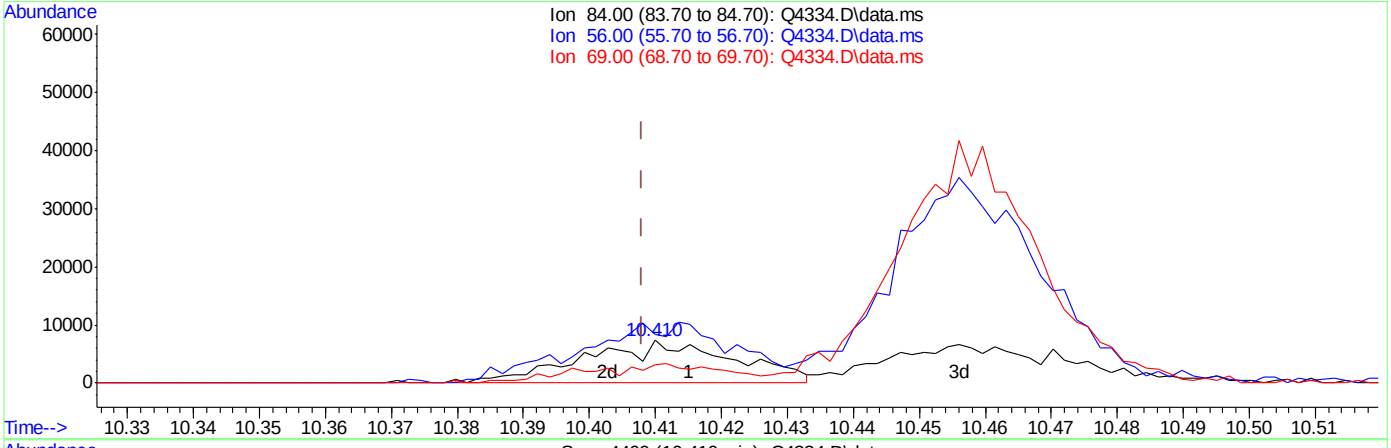
Ion	Exp%	Act%
84.00	100	100
56.00	155.60	257.99#
69.00	44.40	47.09
0.00	0.00	0.00

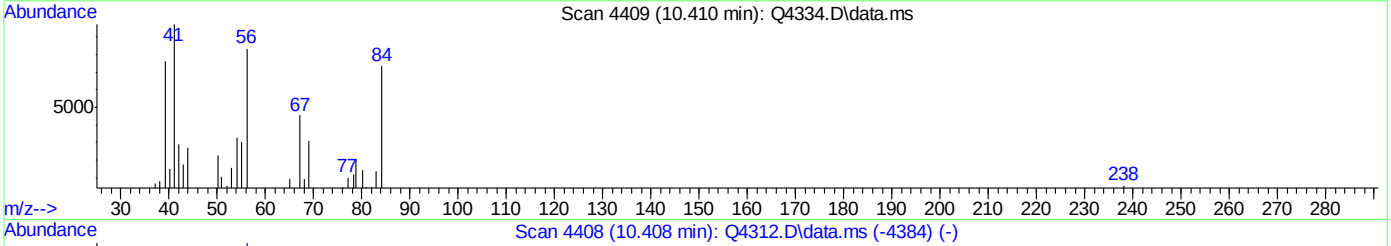
ACCUTEST Laboratories M67264

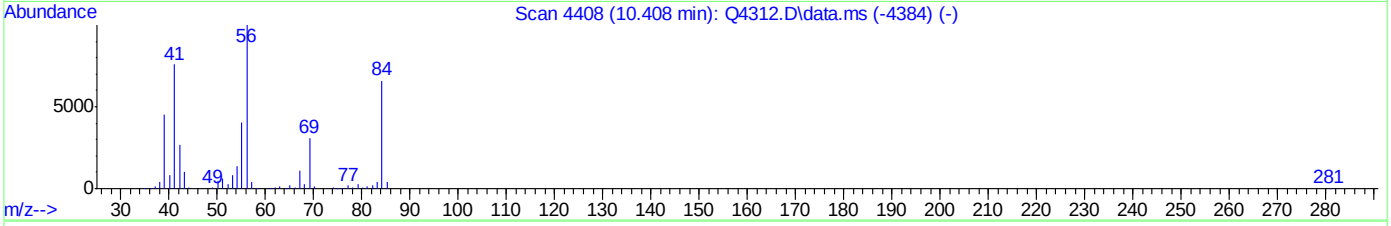
Quantitation Report (Qedit)

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

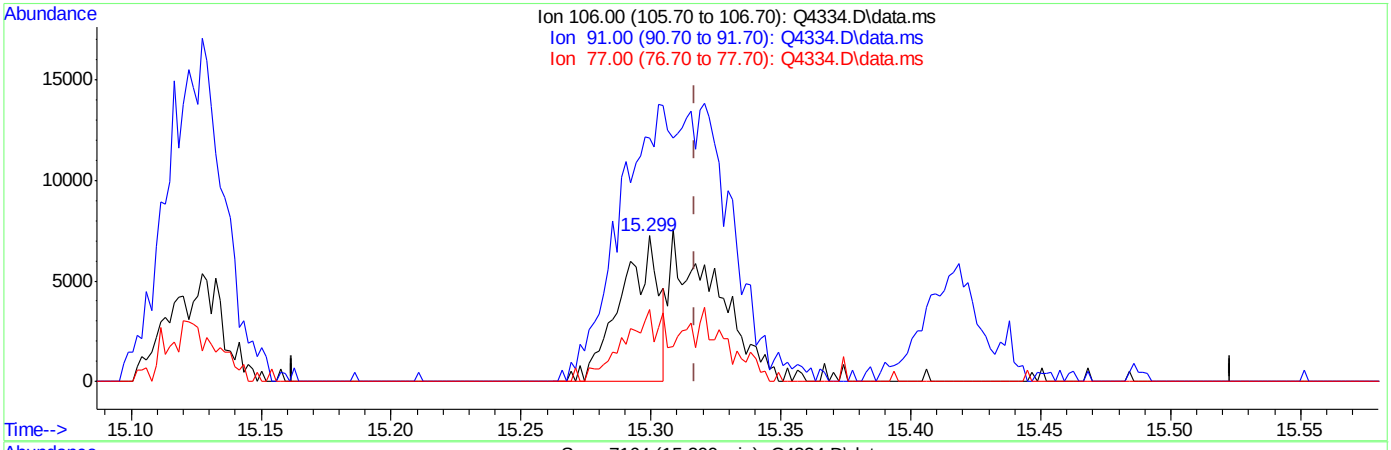
response 11584

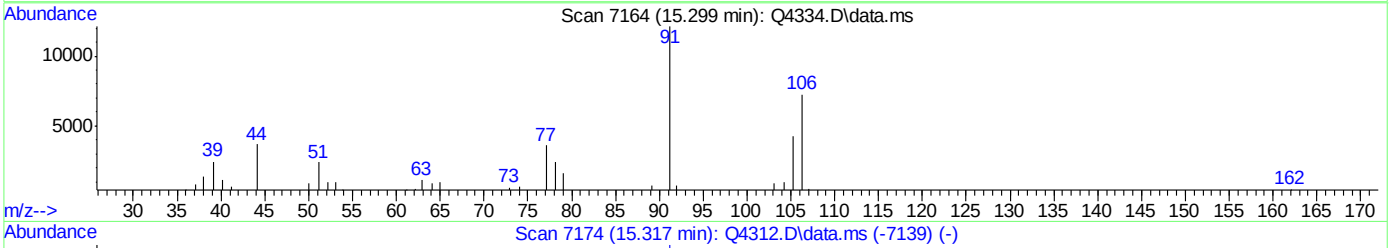
Ion	Exp%	Act%
84.00	100	100
56.00	155.60	143.67
69.00	44.40	26.23
0.00	0.00	0.00

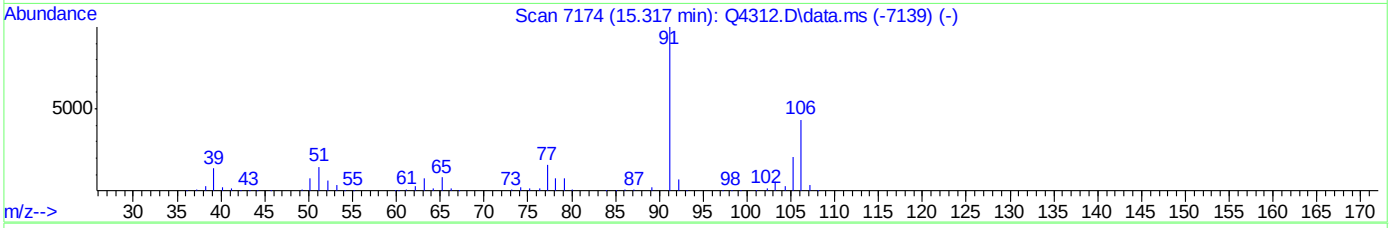
Quantitation Report (Qedit)

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

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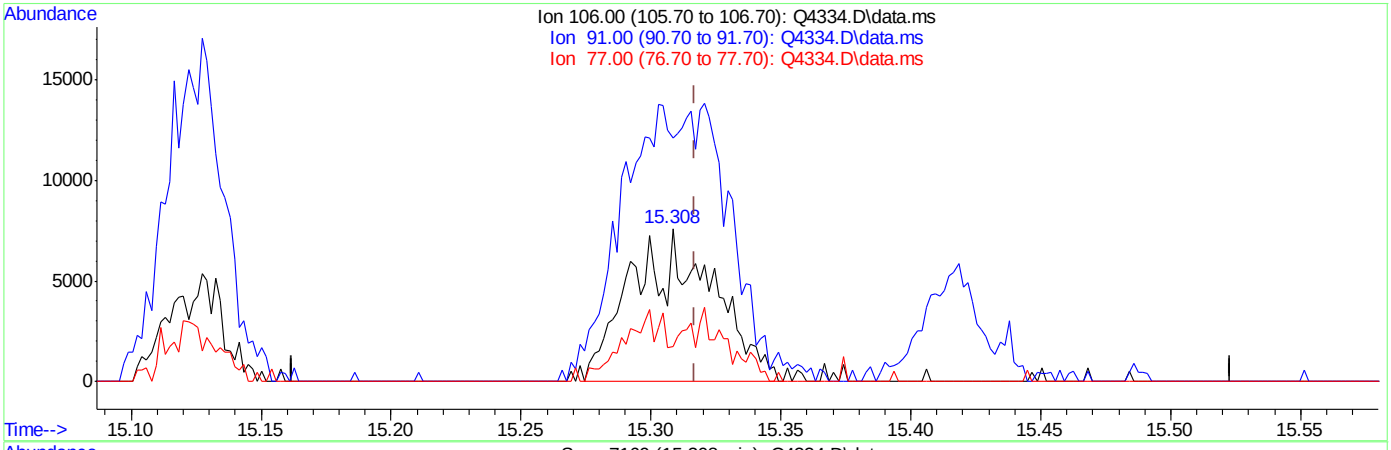
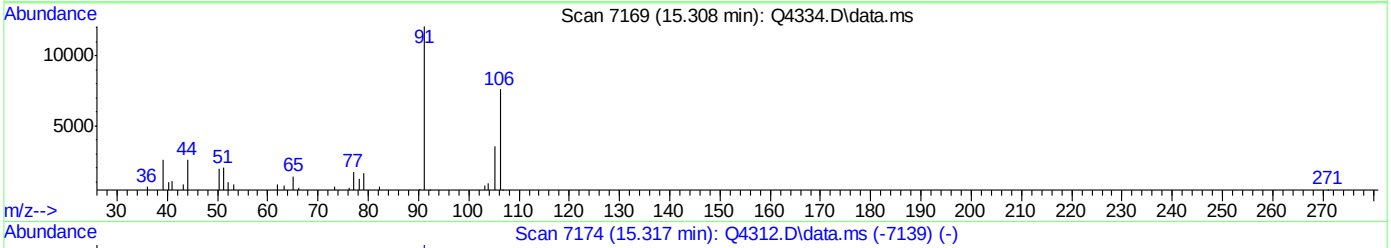
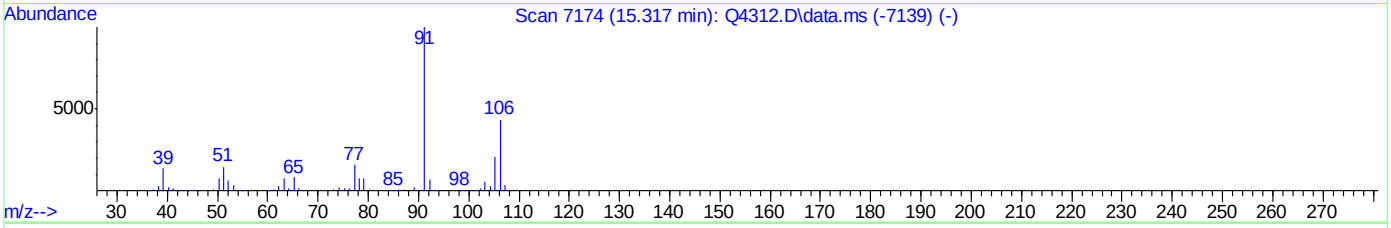
Quantitation Report (Qedit)

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

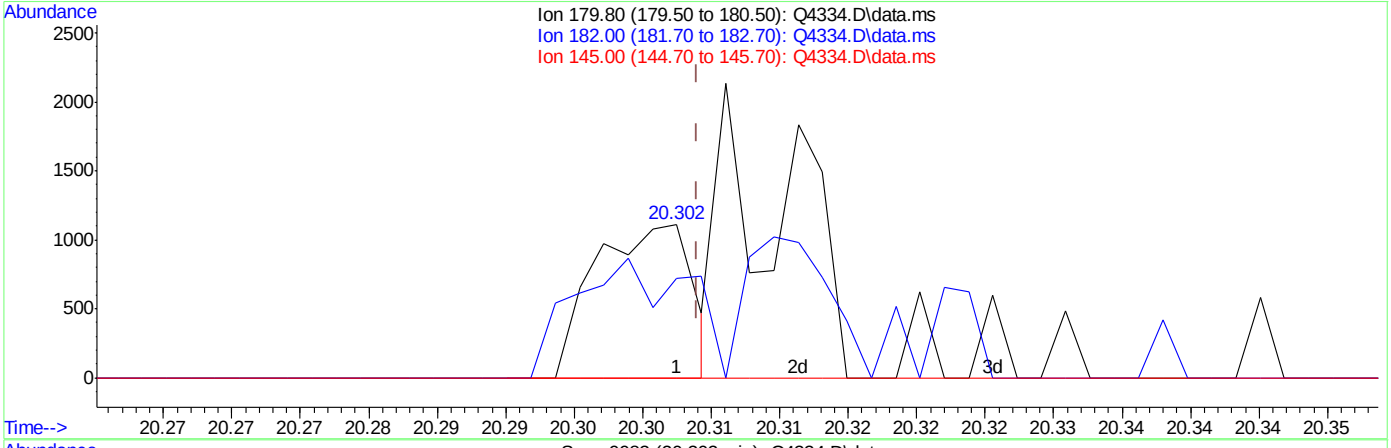
Ion	Exp%	Act%
106.00	100	100
91.00	231.70	158.85#
77.00	36.50	22.74#
0.00	0.00	0.00

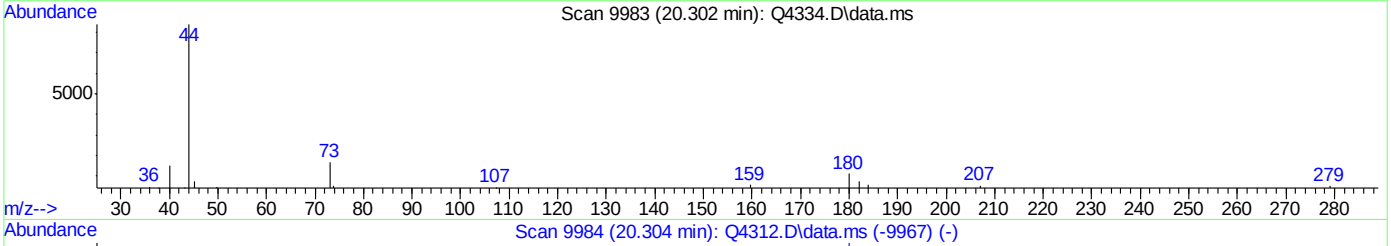
ACCUTEST Laboratories M67264

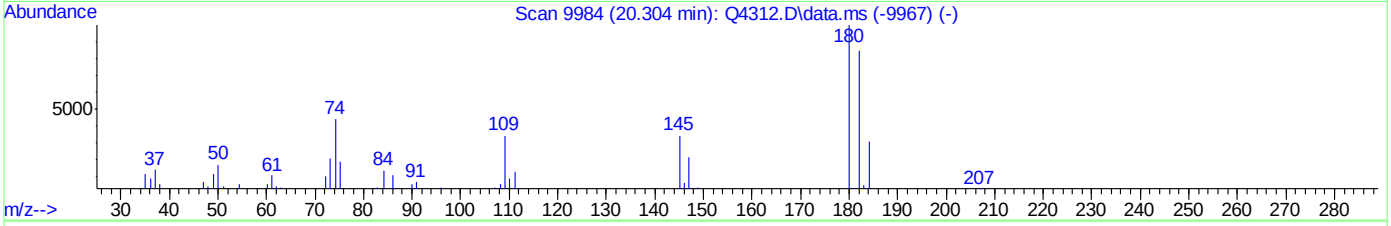
Quantitation Report (Qedit)

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

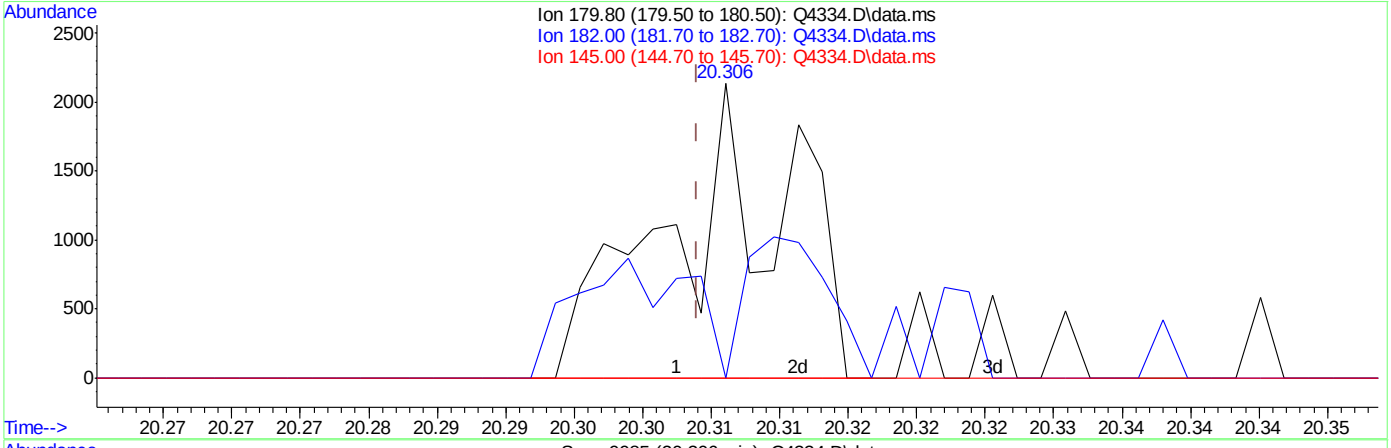
Ion	Exp%	Act%
179.80	100	100
182.00	96.80	0.00#
145.00	31.50	0.00#
0.00	0.00	0.00

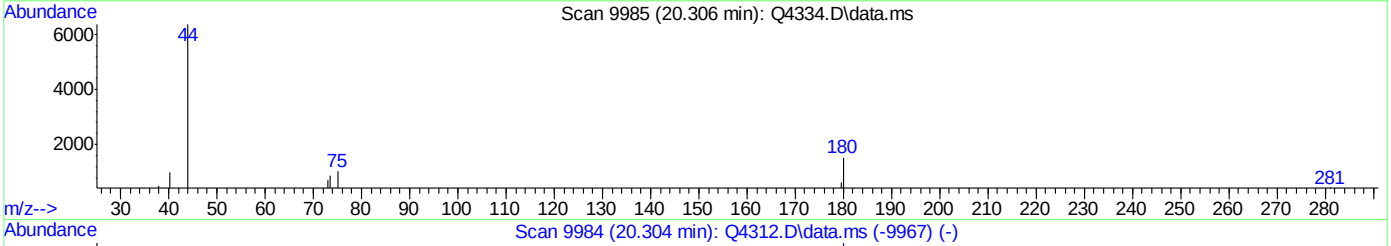
ACCUTEST Laboratories M67264

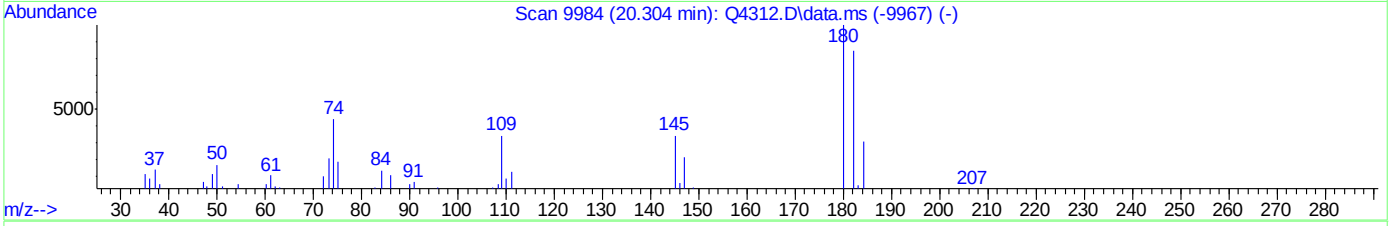
Quantitation Report (Qedit)

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

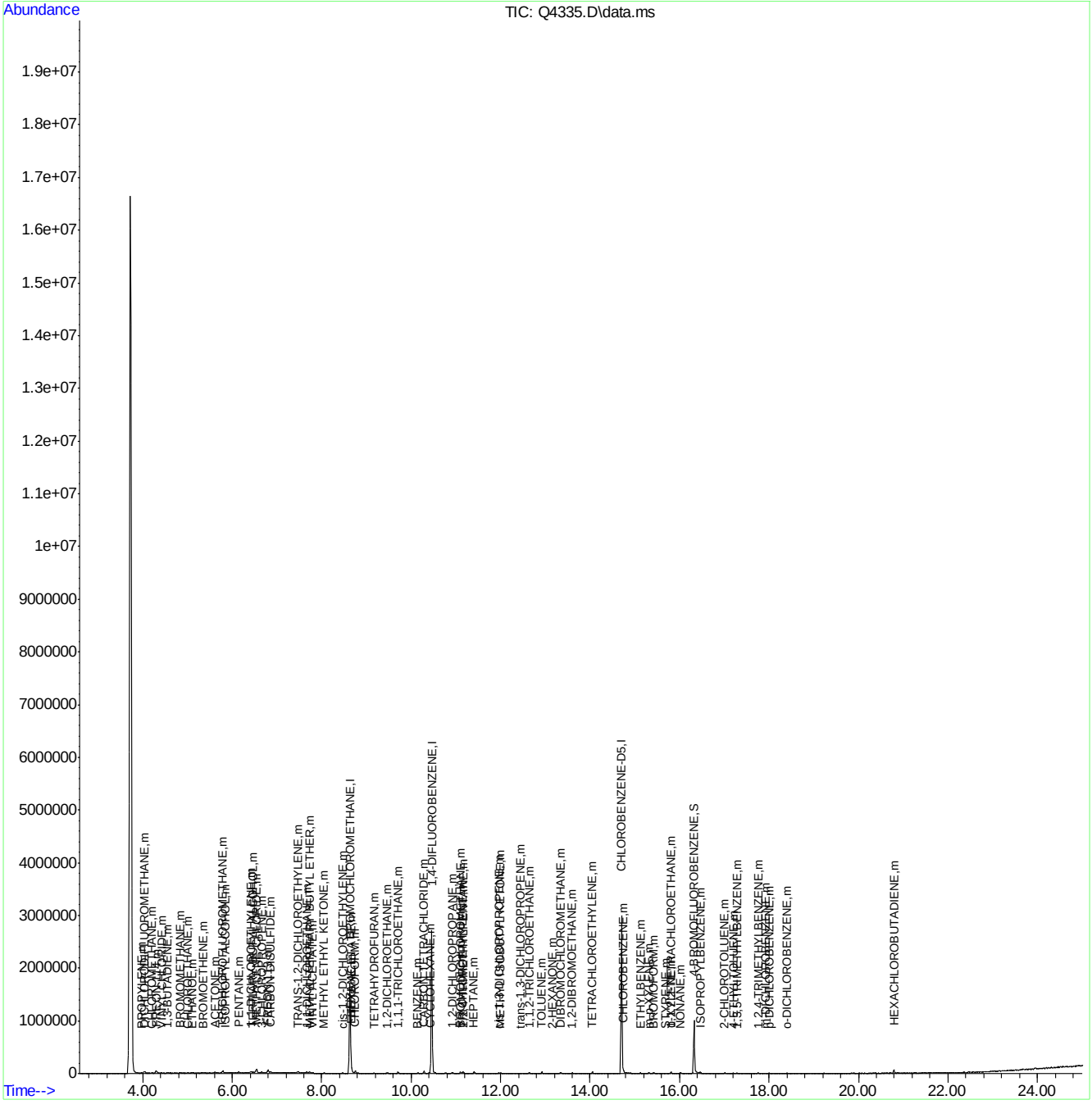
Internal Standards	R.T.	QIon	Response	Conc	Units		Dev(Min)
45) cis-1,3-DICHLOROPROPENE	11.959	75	3383	0.08	PPBV		81
46) TOLUENE	12.923	92	8865	0.13	PPBV		92
47) trans-1,3-DICHLOROPROPENE	12.451	75	1960	0.06	PPBV	#	58
48) 1,1,2-TRICHLOROETHANE	12.643	83	4386	0.11	PPBV		94
50) 2-HEXANONE	13.166	43	3861m	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 M67264

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
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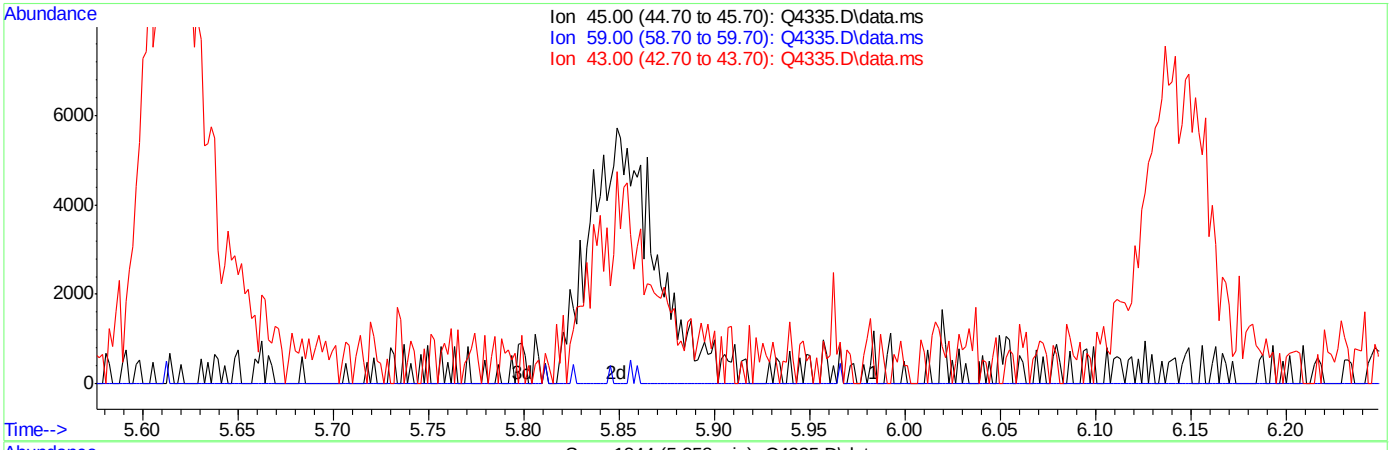
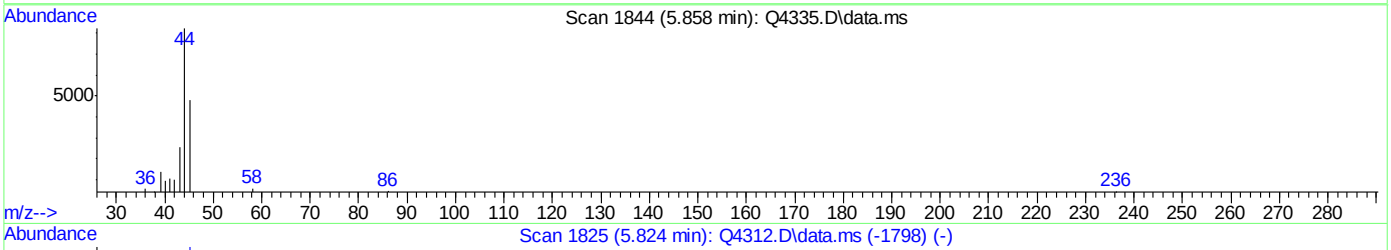
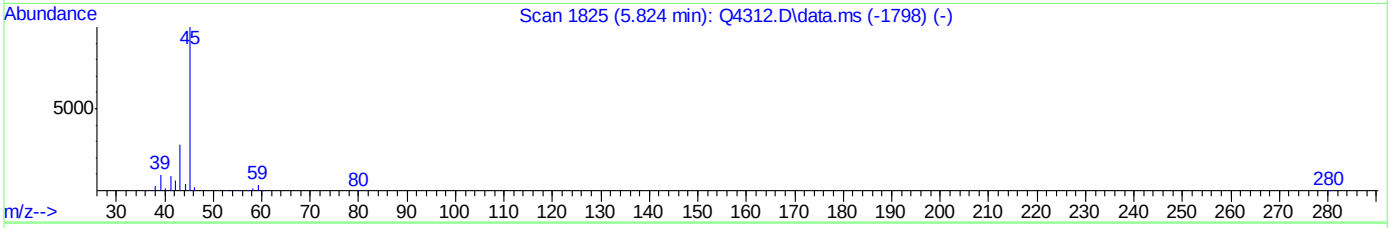






TIC: Q4335.D\data.ms

(11) ISOPROPYL ALCOHOL (m)

5.824min 0.00PPBV d

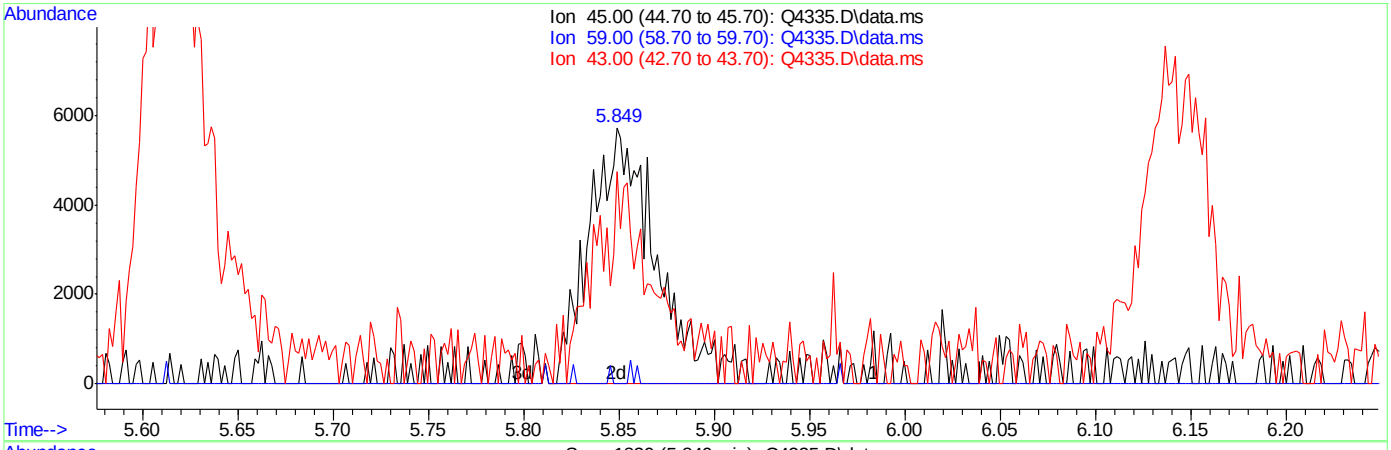
response 0

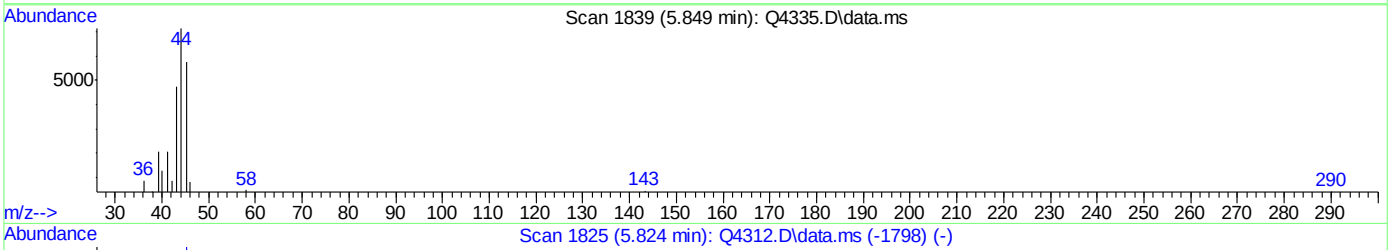
Ion	Exp%	Act%
45.00	100	0.00
59.00	3.50	0.00
43.00	28.80	0.00
0.00	0.00	0.00

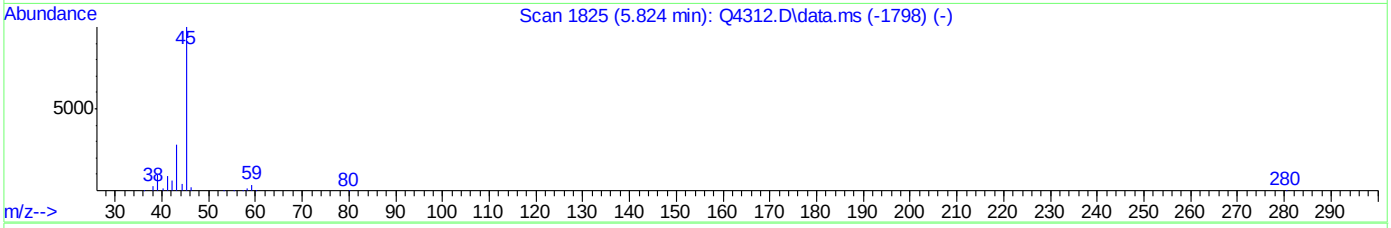
Quantitation Report (Qedit)

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

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





TIC: Q4335.D\data.ms

(11) ISOPROPYL ALCOHOL (m)

5.849min (+0.025) 0.16PPBV m

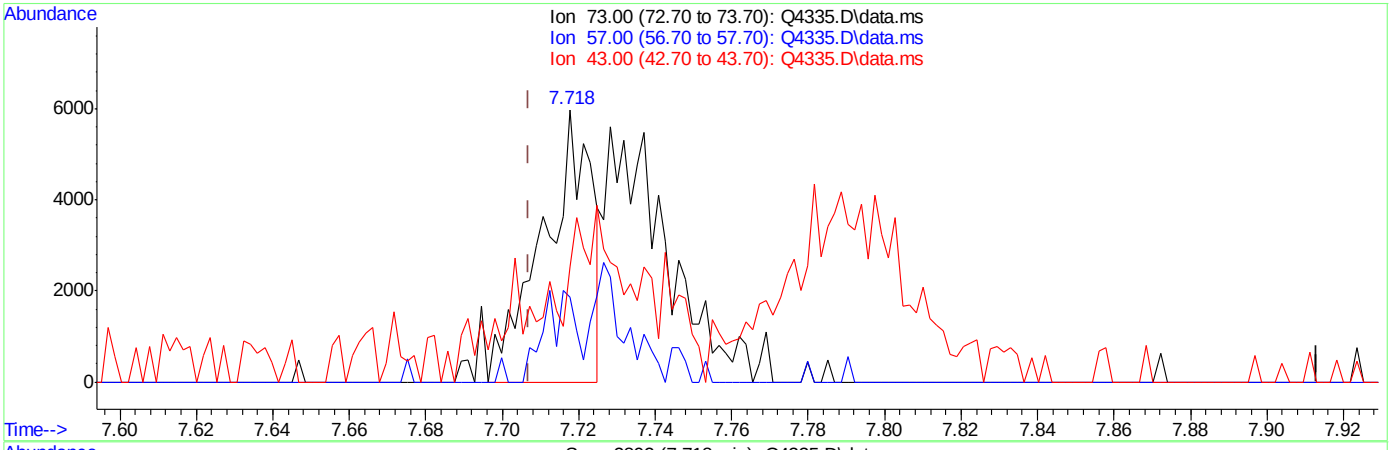
response 14069

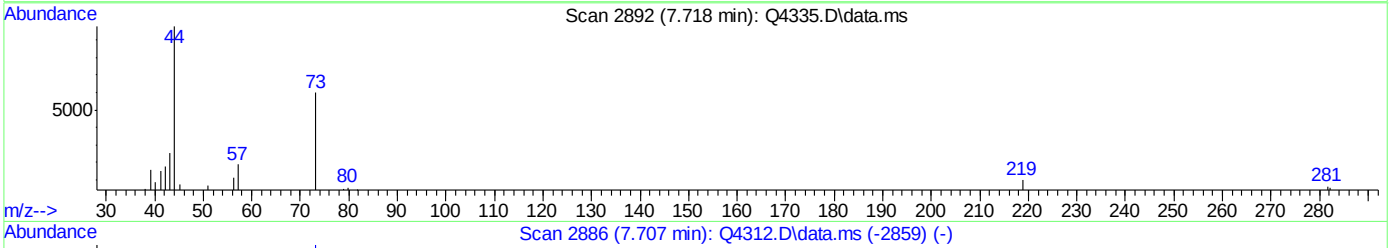
Ion	Exp%	Act%
45.00	100	100
59.00	3.50	0.00
43.00	28.80	82.75#
0.00	0.00	0.00

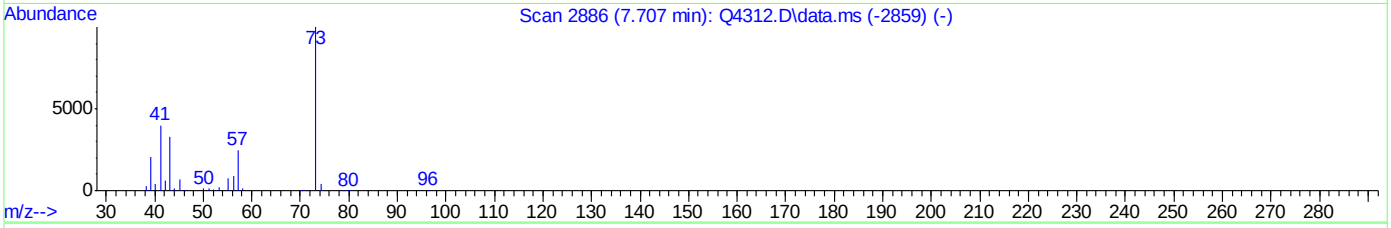
Quantitation Report (Qedit)

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

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







TIC: Q4335.D\data.ms

(23) METHYL TERTIARY BUTYL ETHER (m)

7.718min (+0.011) 0.05PPBV

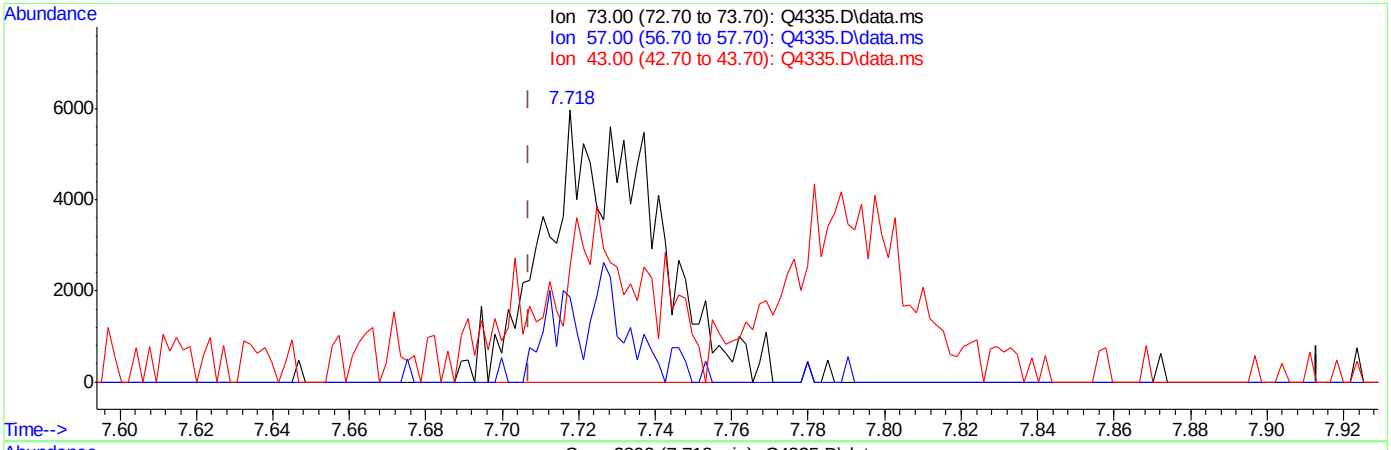
response 5245

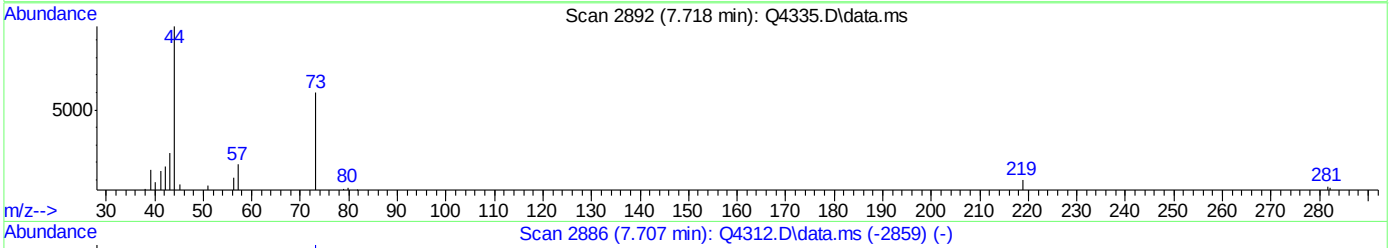
Ion	Exp%	Act%
73.00	100	100
57.00	23.40	51.25#
43.00	33.40	69.95#
0.00	0.00	0.00

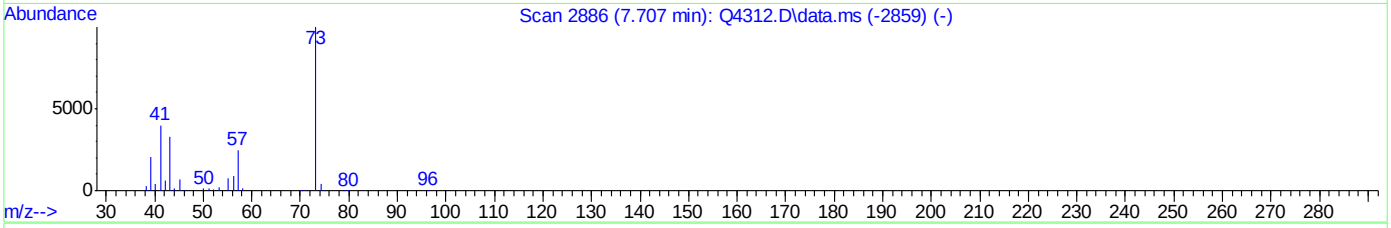
Quantitation Report (Qedit)

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

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







TIC: Q4335.D\data.ms

(23) METHYL TERTIARY BUTYL ETHER (m)

7.718min (+0.011) 0.11PPBV m

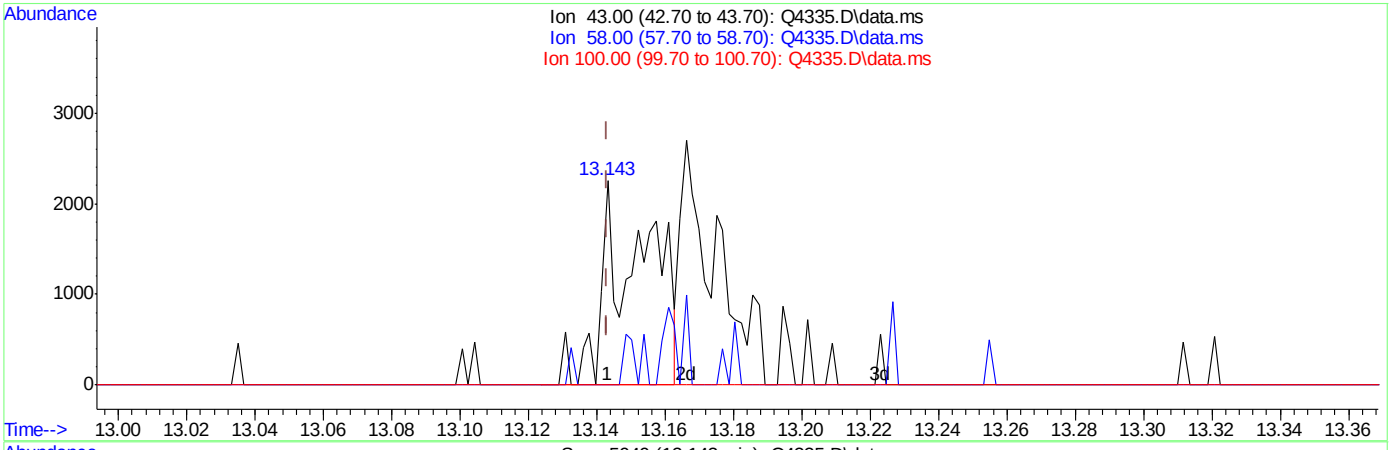
response 11444

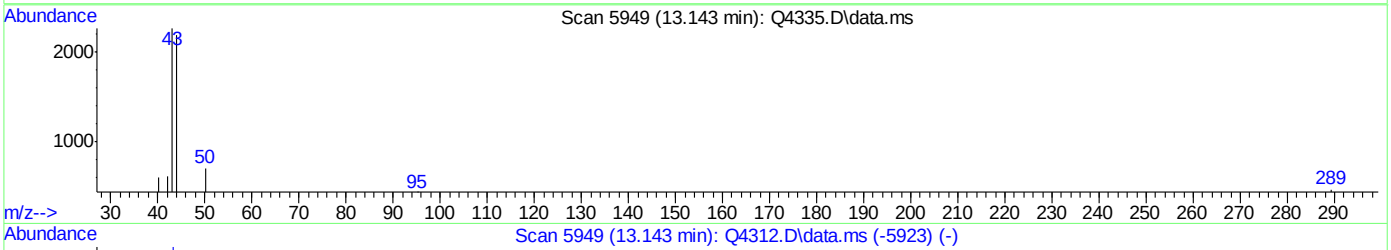
Ion	Exp%	Act%
73.00	100	100
57.00	23.40	23.49
43.00	33.40	32.06
0.00	0.00	0.00

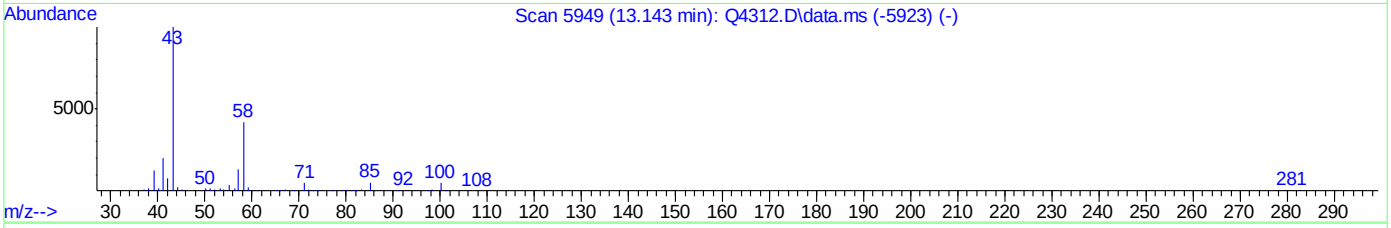
Quantitation Report (Qedit)

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

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







TIC: Q4335.D\data.ms

(50) 2-HEXANONE (m)

13.143min (+0.000) 0.04PPBV

response 2052

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

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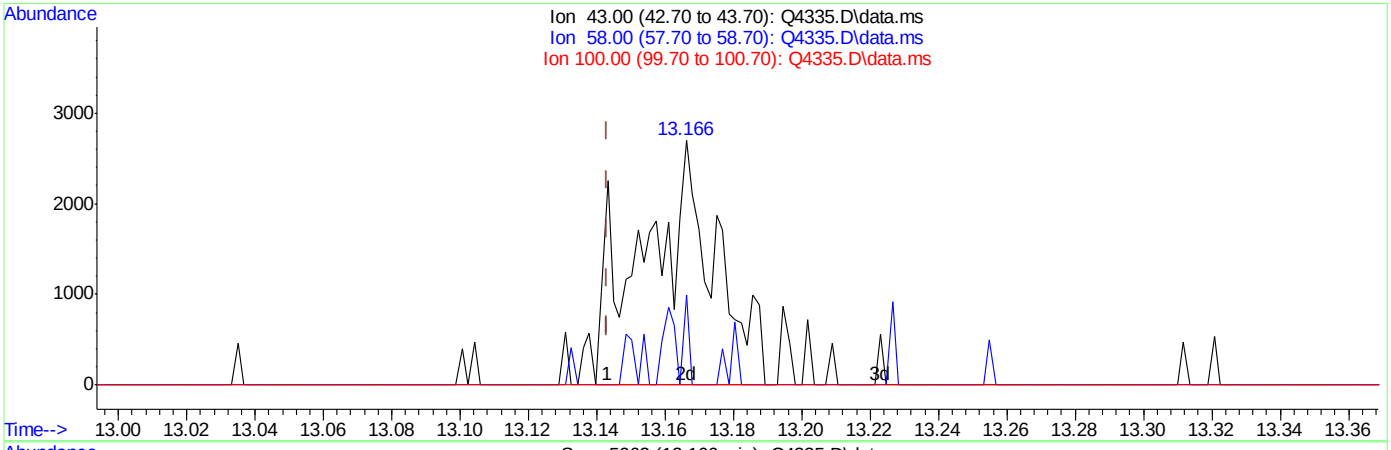
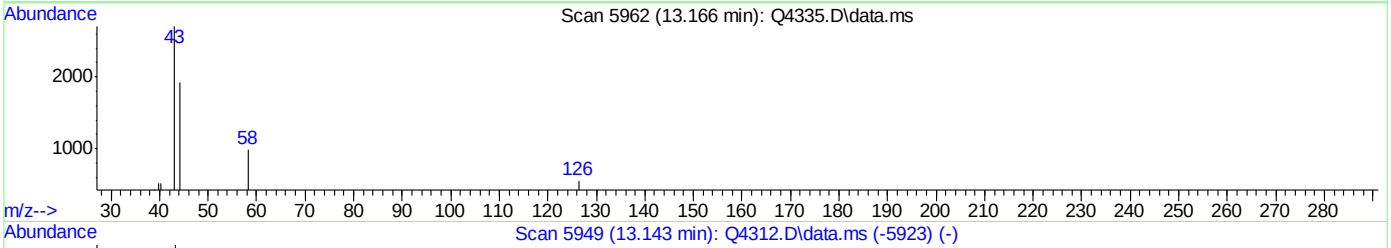
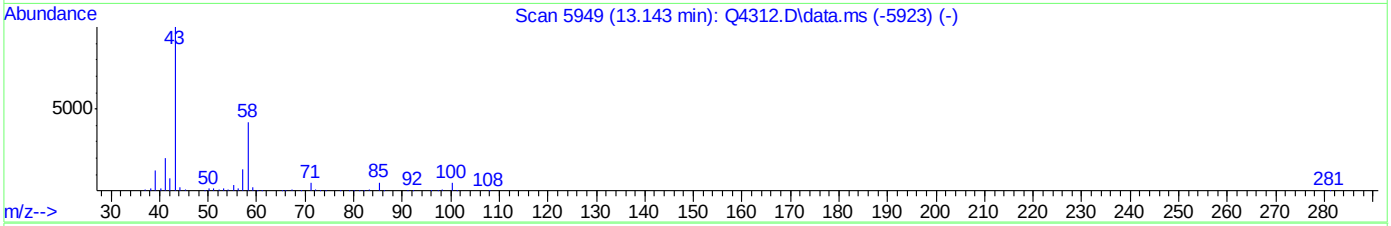
Quantitation Report (Qedit)

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

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







TIC: Q4335.D\data.ms

(50) 2-HEXANONE (m)

13.166min (+0.023) 0.07PPBV m

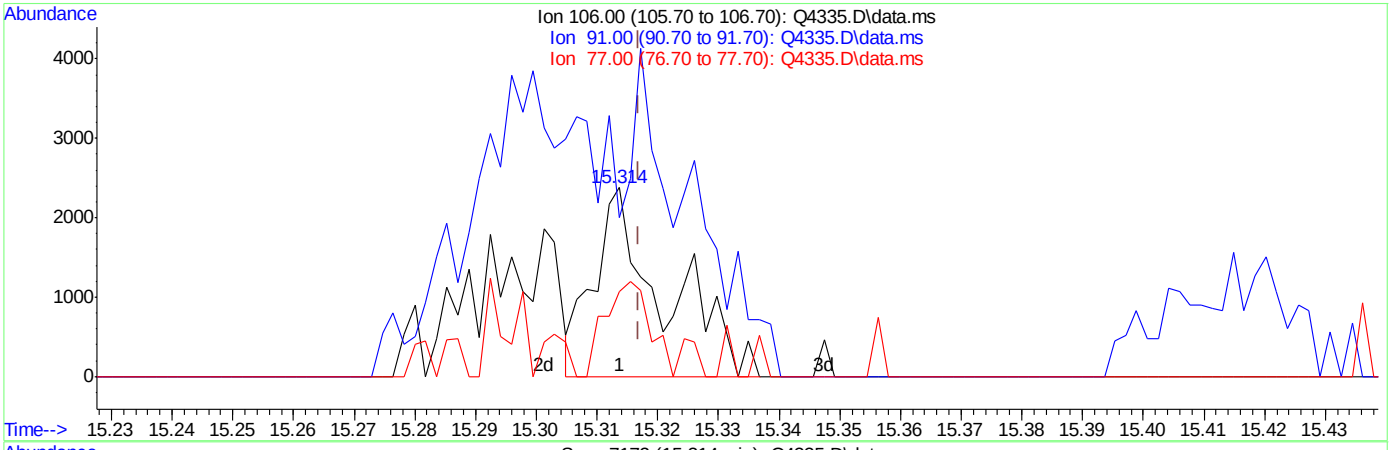
response 3861

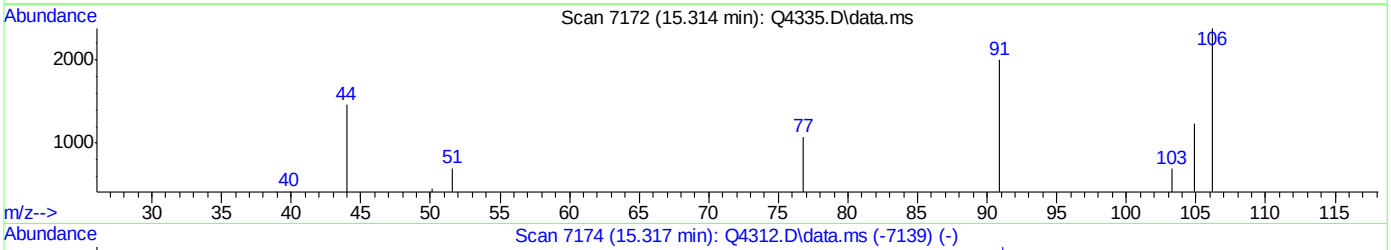
Ion	Exp%	Act%
43.00	100	100
58.00	40.00	2.90#
100.00	5.10	0.00
0.00	0.00	0.00

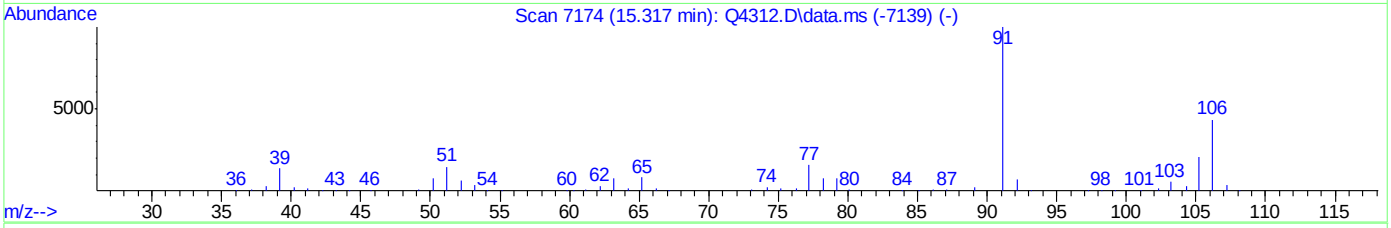
Quantitation Report (Qedit)

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

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Quantitation Report (Qedit)

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

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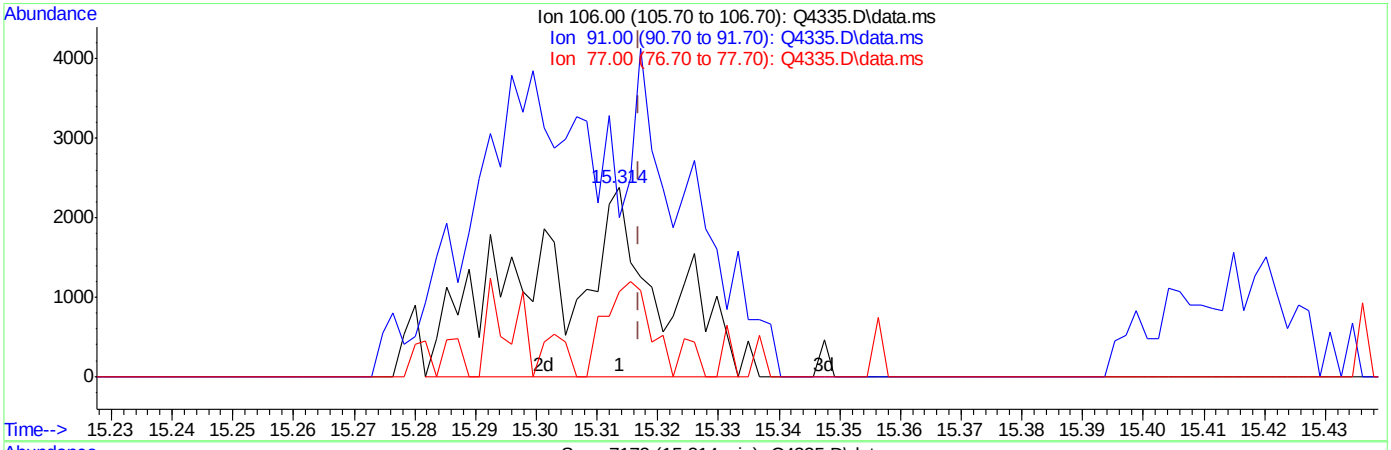
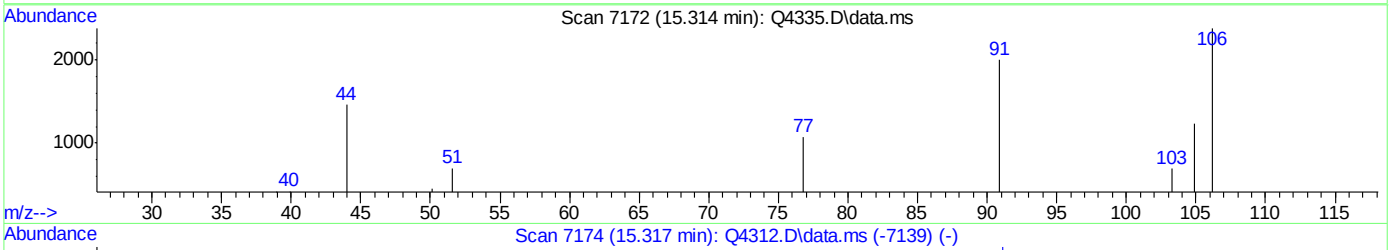
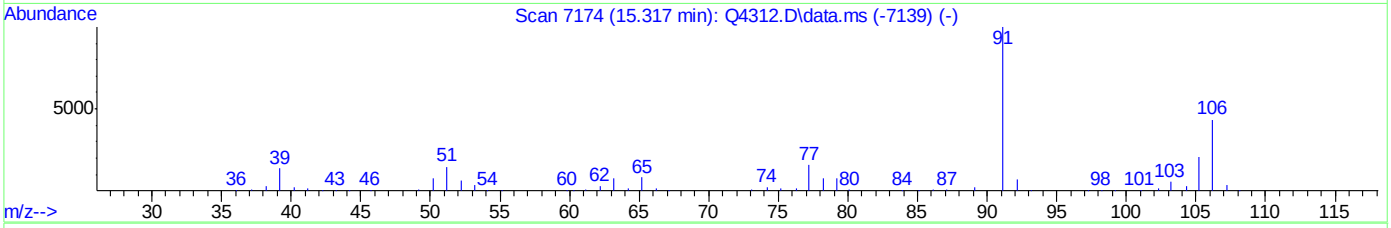






TIC: Q4335.D\data.ms

(56) m,p-XYLENE (m)

15.314min (-0.003) 0.08PPBV m

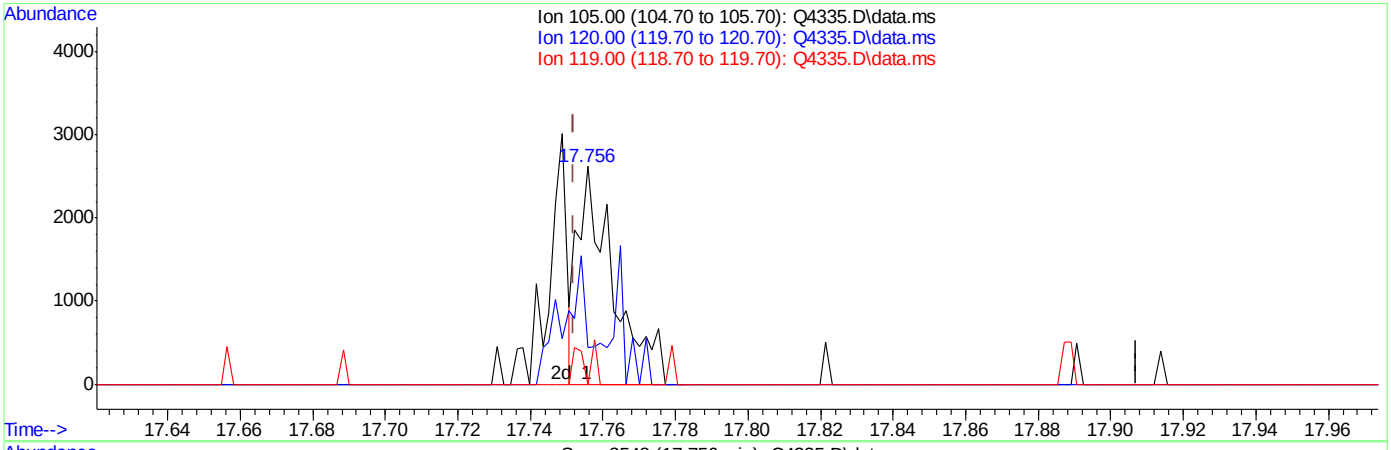
response 3435

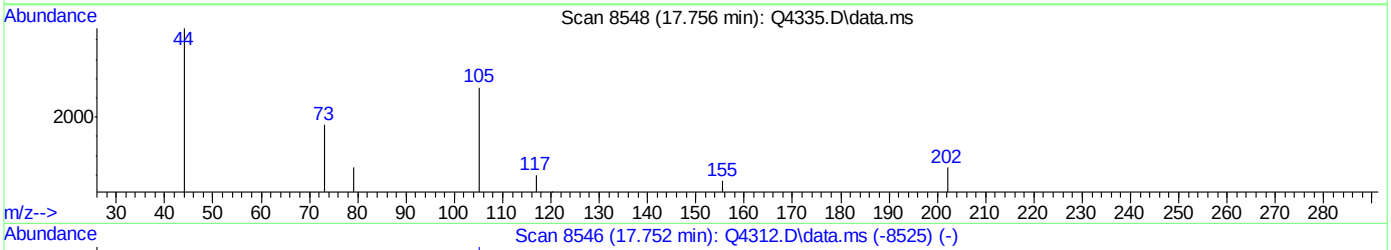
Ion	Exp%	Act%
106.00	100	100
91.00	231.70	83.92#
77.00	36.50	45.16#
0.00	0.00	0.00

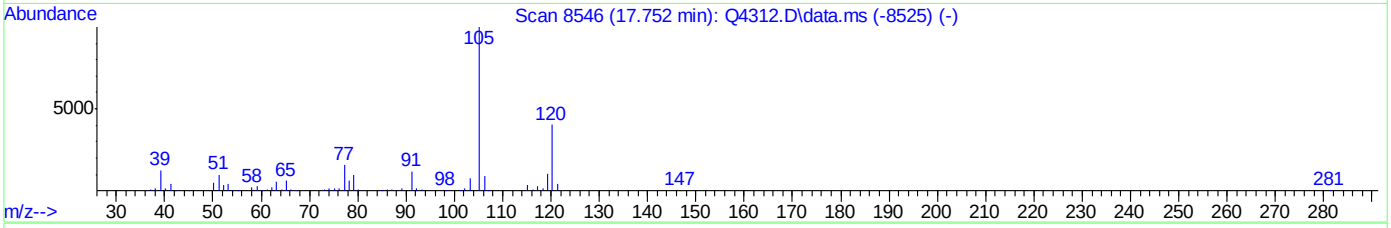
Quantitation Report (Qedit)

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

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







TIC: Q4335.D\data.ms

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

17.756min (+0.004) 0.02PPBV

response 1793

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

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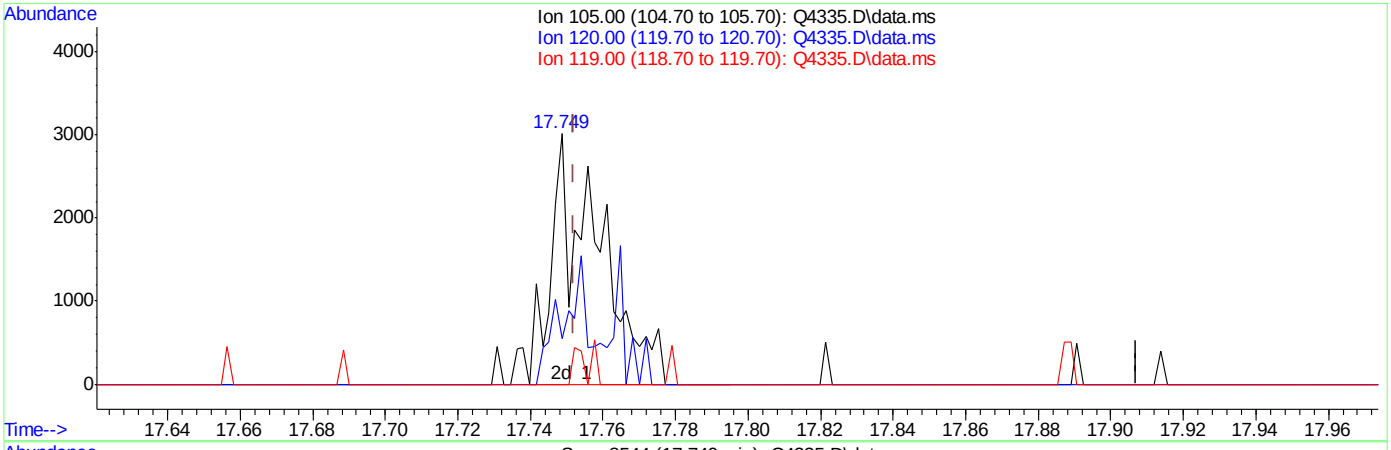
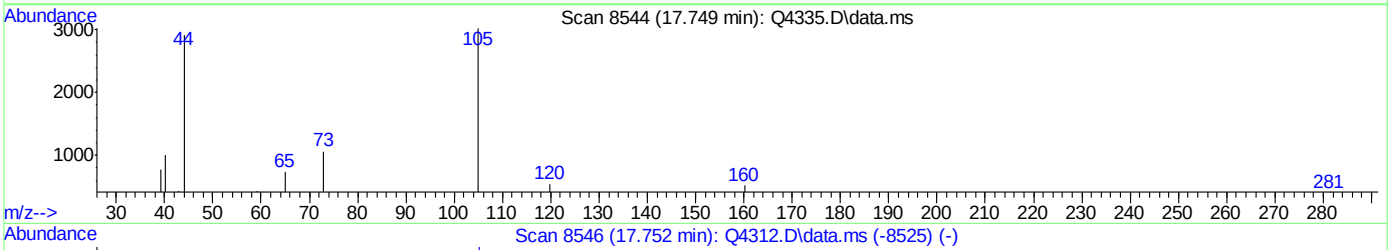
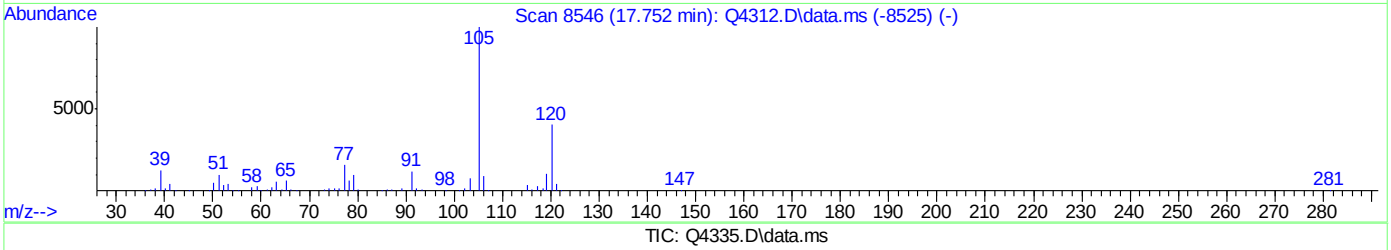
Quantitation Report (Qedit)

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

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







TIC: Q4335.D\data.ms

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

17.749min (-0.003) 0.04PPBV m

response 2711

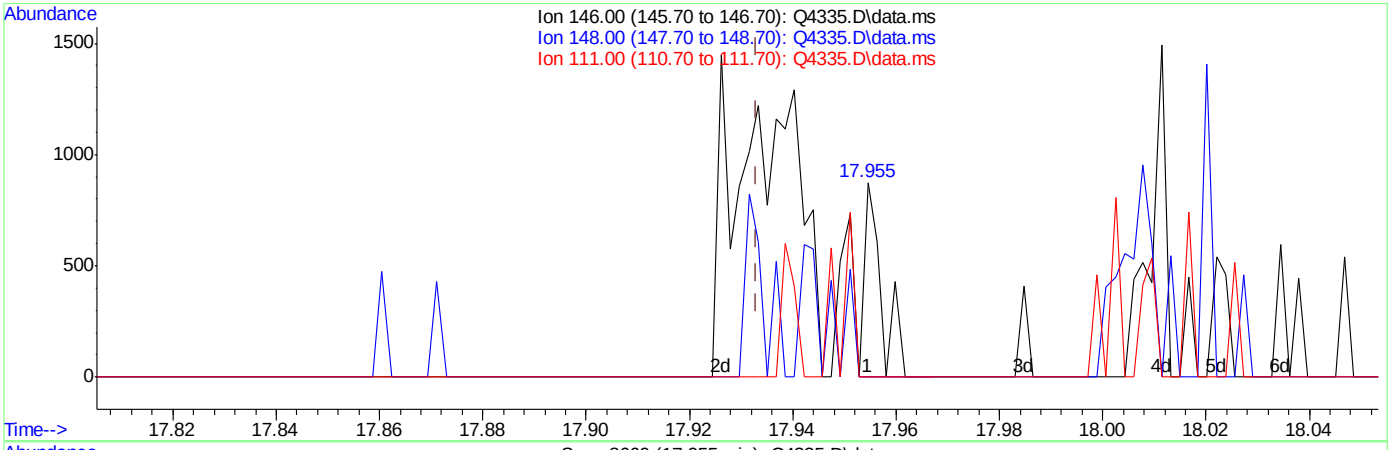
Ion	Exp%	Act%
105.00	100	100
120.00	40.50	29.73
119.00	11.00	5.39
0.00	0.00	0.00

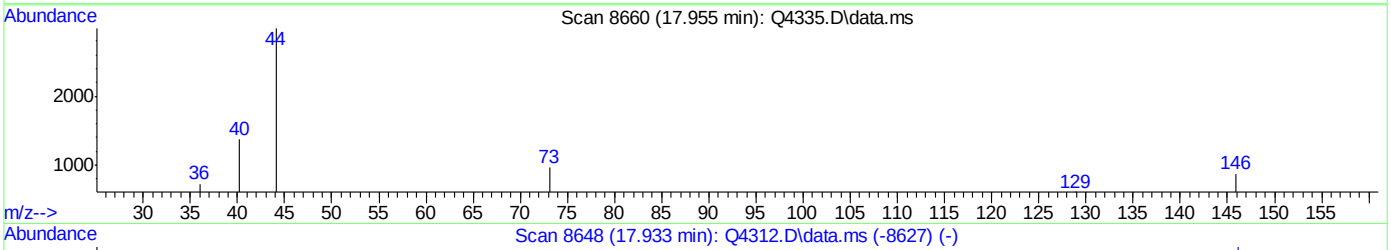
ACCUTEST Laboratories M67264

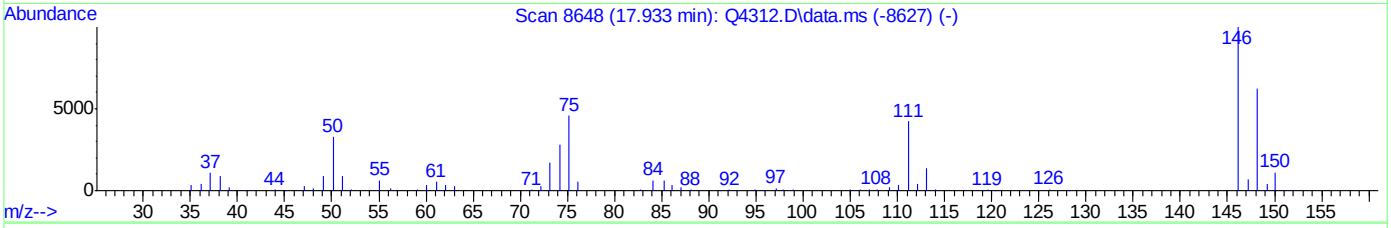
Quantitation Report (Qedit)

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

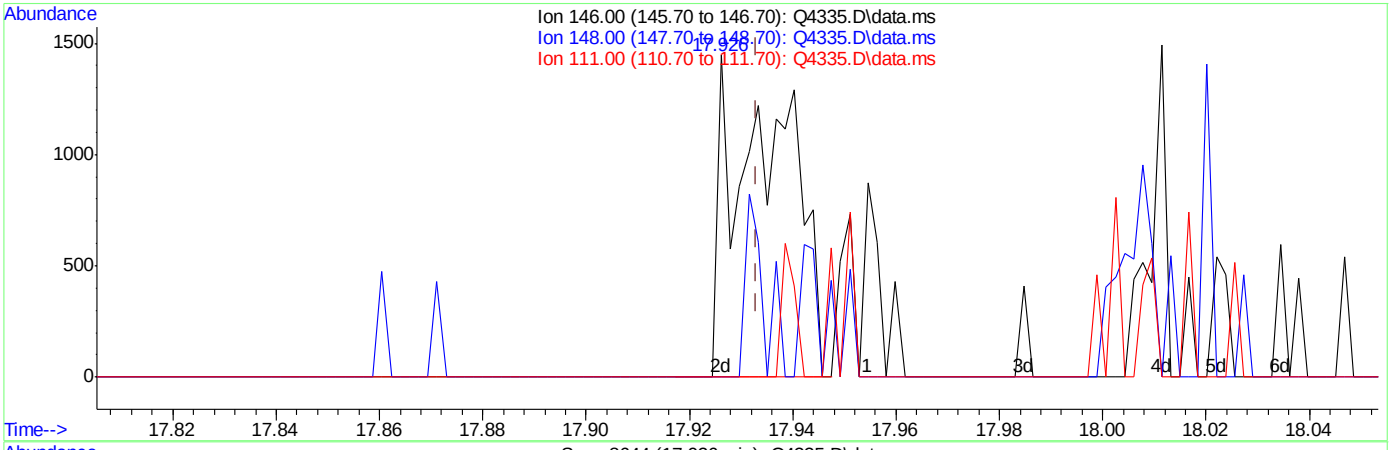
response 204

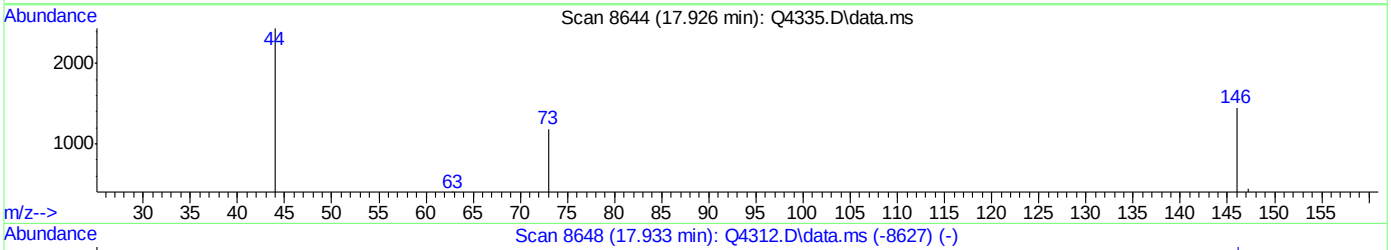
Ion	Exp%	Act%
146.00	100	100
148.00	63.90	83.82
111.00	45.40	52.45
0.00	0.00	0.00

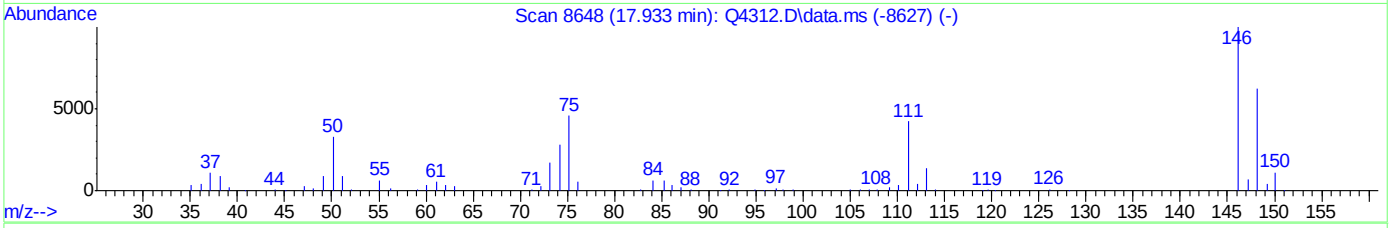
Quantitation Report (Qedit)

```
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

ACCUTEST Laboratories M67264

Quantitation Report (QT Reviewed)

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

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

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) BROMOCHLOROMETHANE	8.632	128	349406	10.00	PPBV	0.00
35) 1,4-DIFLUOROBENZENE	10.460	114	1620378	10.00	PPBV	0.00
49) CHLOROBENZENE-D5	14.700	117	1261348	10.00	PPBV	0.00

System Monitoring Compounds

61) 4-BROMOFLUOROBENZENE	16.322	95	461467	5.64	PPBV	0.00

Spiked Amount 5.000 Range 57 - 139 Recovery = 112.80%

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

Quantitation Report (QT Reviewed)

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

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

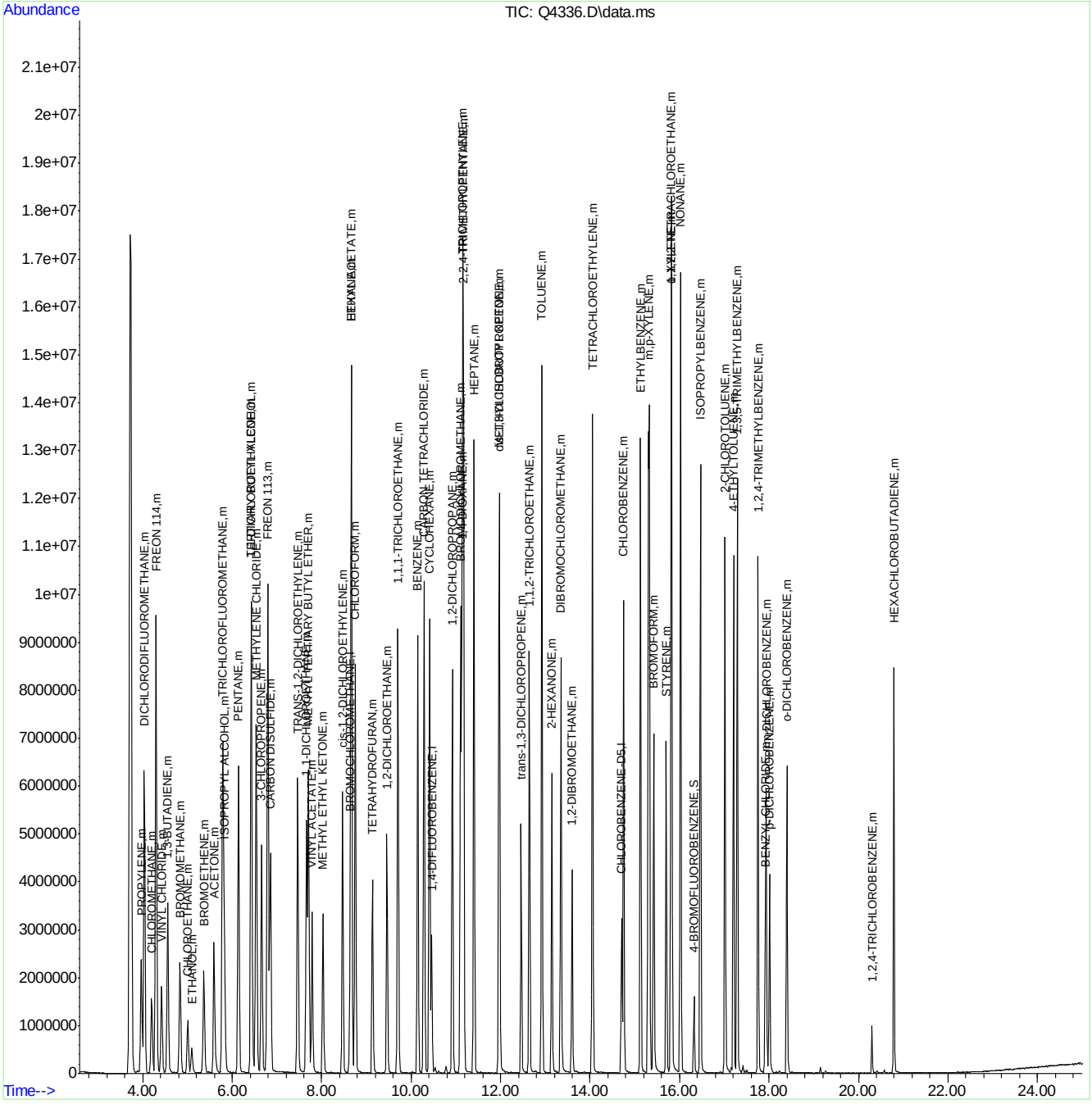
Internal Standards	R.T.	QIon	Response	Conc Units	Dev(Min)
44) METHYL ISOBUTYL KETONE	11.974	43	5601840	57.02 PPBV	100
45) cis-1,3-DICHLOROPROPENE	11.958	75	2950958	56.78 PPBV	98
46) TOLUENE	12.921	92	4846584	60.08 PPBV	99
47) trans-1,3-DICHLOROPROPENE	12.458	75	2019581	56.95 PPBV	98
48) 1,1,2-TRICHLOROETHANE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

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

Quantitation Report (QT Reviewed)

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

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



ACCUTEST Laboratories M67264

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

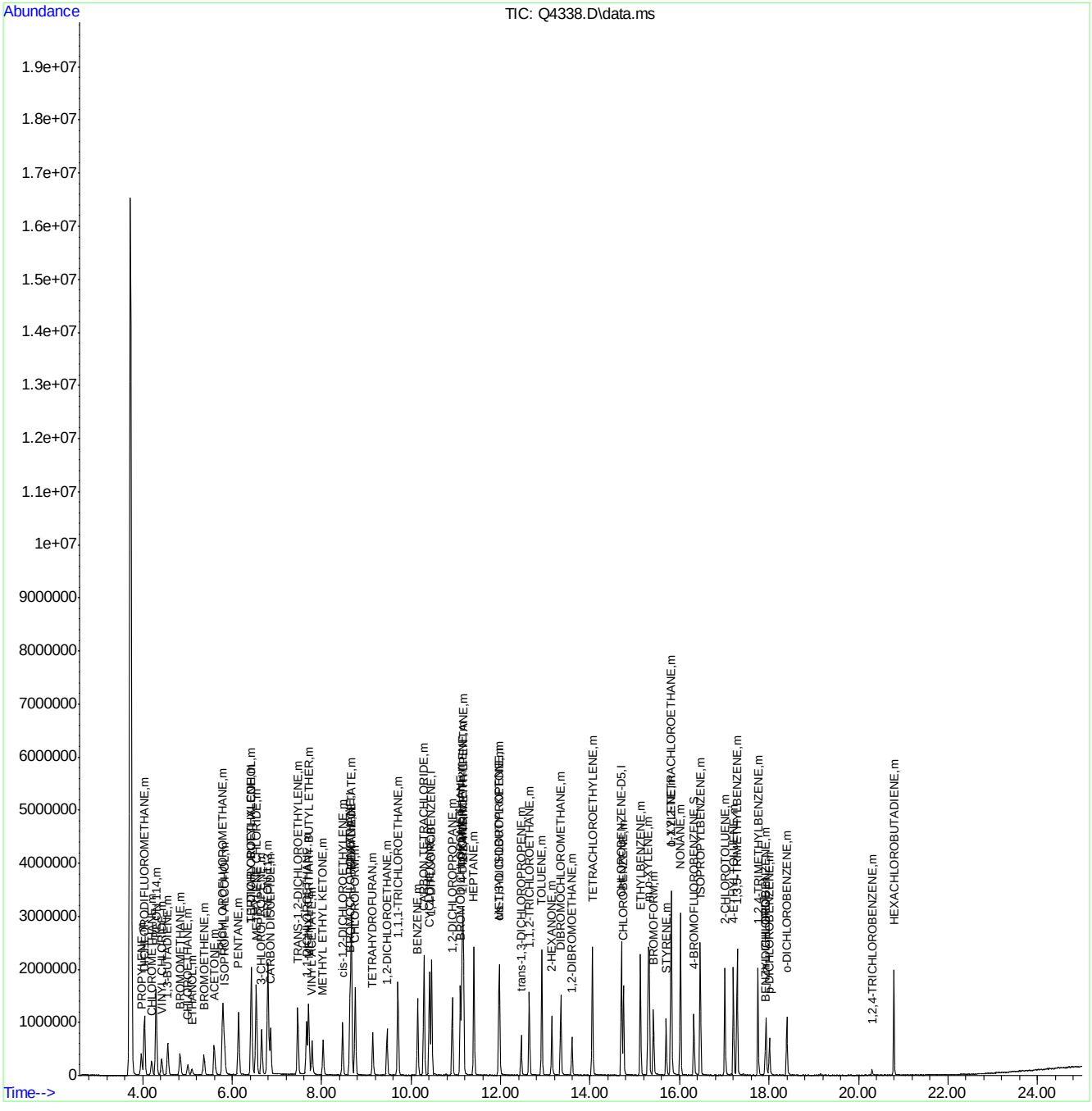
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) METHYL ISOBUTYL KETONE	11.974	43	1032355	14.05	PPBV	98
45) cis-1,3-DICHLOROPROPENE	11.958	75	436387	11.23	PPBV	89
46) TOLUENE	12.916	92	717751	11.90	PPBV	98
47) trans-1,3-DICHLOROPROPENE	12.456	75	280163	10.56	PPBV	95
48) 1,1,2-TRICHLOROETHANE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

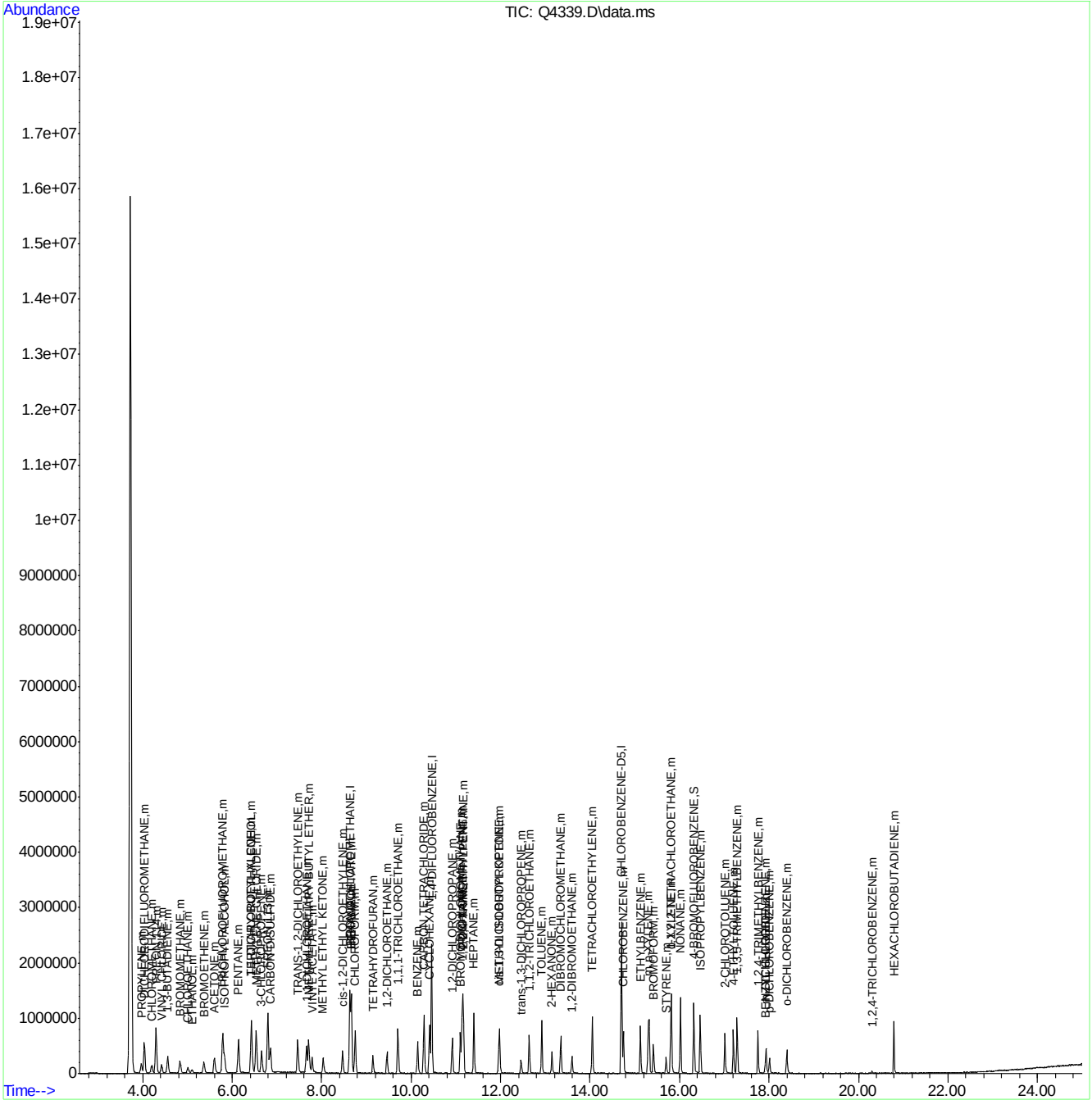
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) METHYL ISOBUTYL KETONE	11.975	43	406414	5.11	PPBV	97
45) cis-1,3-DICHLOROPROPENE	11.959	75	157560	4.01	PPBV	93
46) TOLUENE	12.920	92	273392	3.93	PPBV	99
47) trans-1,3-DICHLOROPROPENE	12.455	75	99737	3.81	PPBV	99
48) 1,1,2-TRICHLOROETHANE	12.636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



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

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

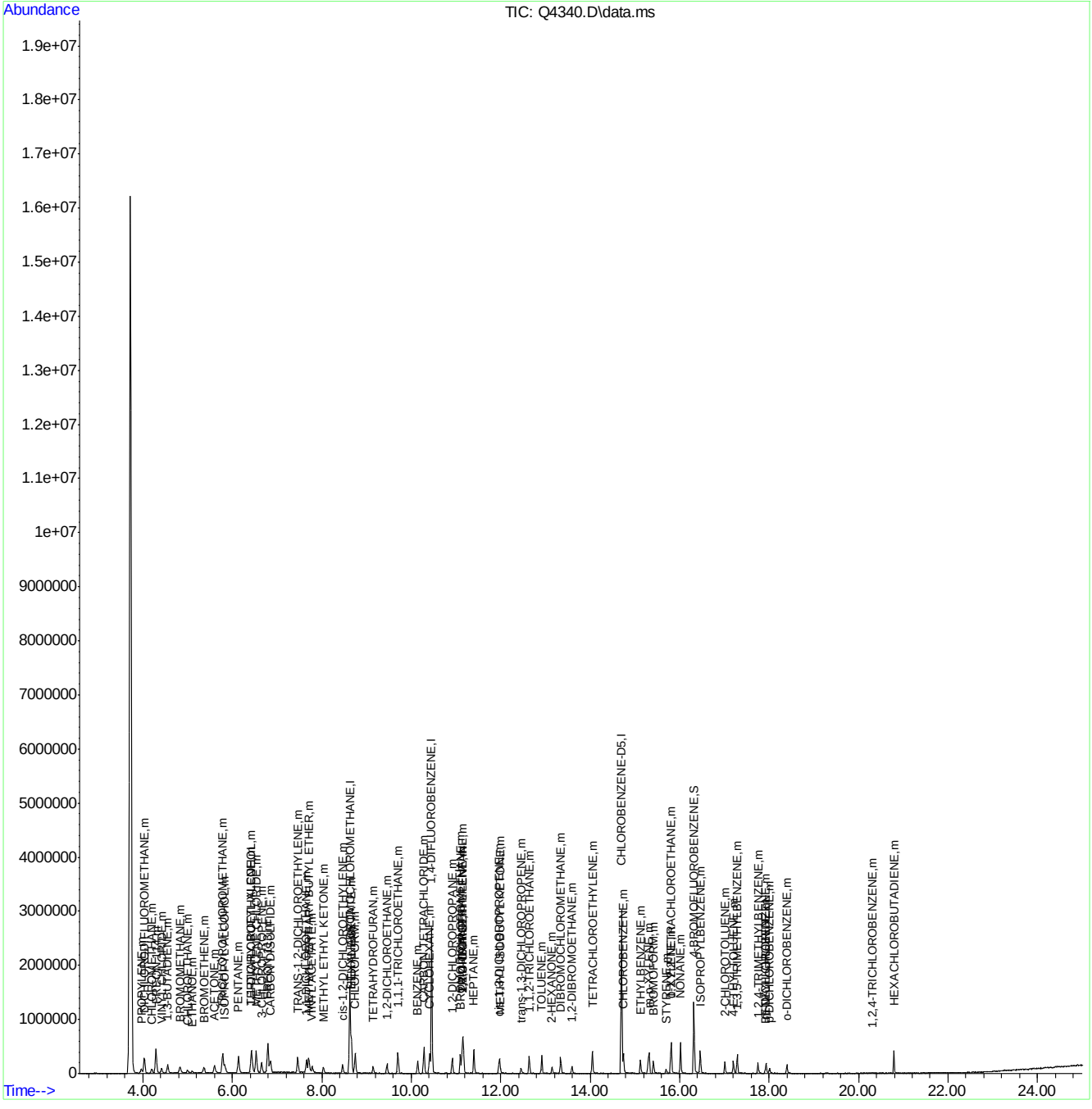
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) METHYL ISOBUTYL KETONE	11.979	43	148271	1.65	PPBV	95
45) cis-1,3-DICHLOROPROPENE	11.957	75	57703	1.35	PPBV	90
46) TOLUENE	12.921	92	96903	1.29	PPBV	95
47) trans-1,3-DICHLOROPROPENE	12.456	75	38256	1.36	PPBV	99
48) 1,1,2-TRICHLOROETHANE	12.641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



ACCUTEST Laboratories M67264

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

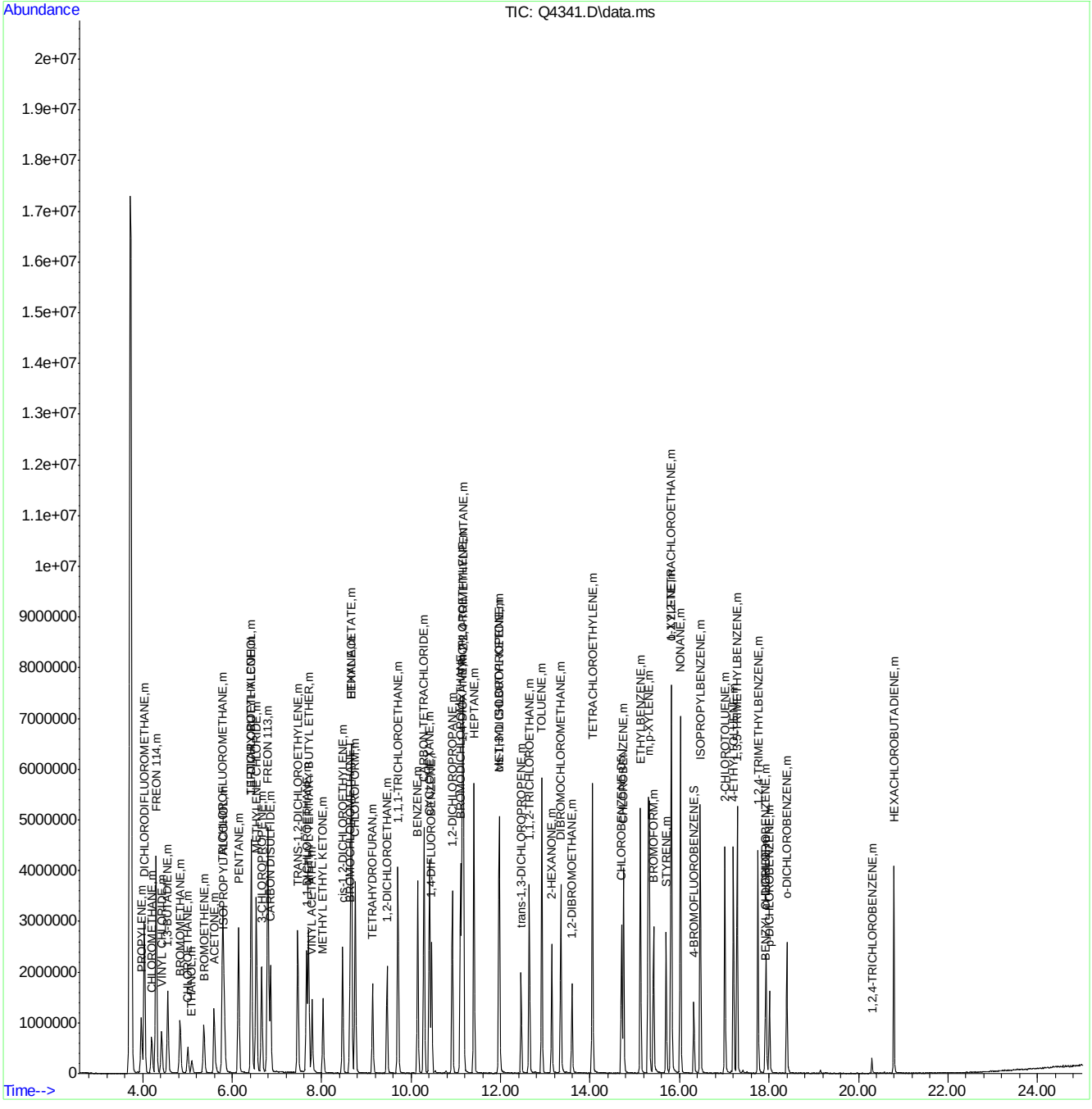
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) METHYL ISOBUTYL KETONE	11.974	43	2308363	19.76	PPBV	99
45) cis-1,3-DICHLOROPROPENE	11.959	75	1142155	20.40	PPBV	93
46) TOLUENE	12.921	92	1813981	19.44	PPBV	99
47) trans-1,3-DICHLOROPROPENE	12.458	75	741504	19.59	PPBV	98
48) 1,1,2-TRICHLOROETHANE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

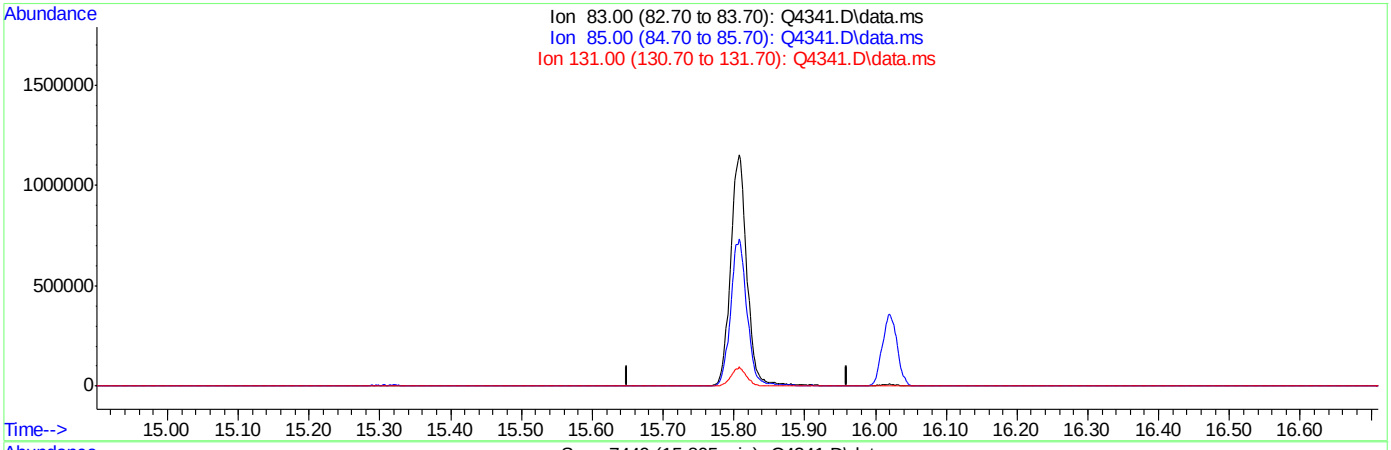
Quant Time: Aug 20 17:33:09 2007
Quant Method : C:\msdchem\1\METHODS\Q082007T.m
Quant Title : TO15 by GCMS w/DB-1 60 m X .25 mm ID 1.0 um
QLast Update : Mon Aug 20 16:48:00 2007
Response via : Initial Calibration

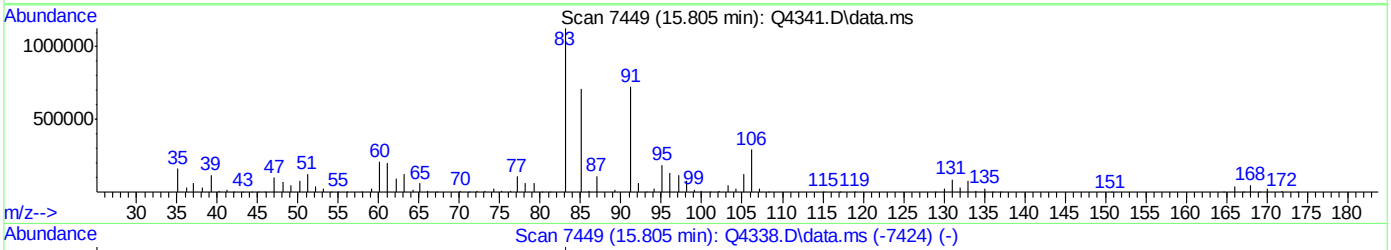


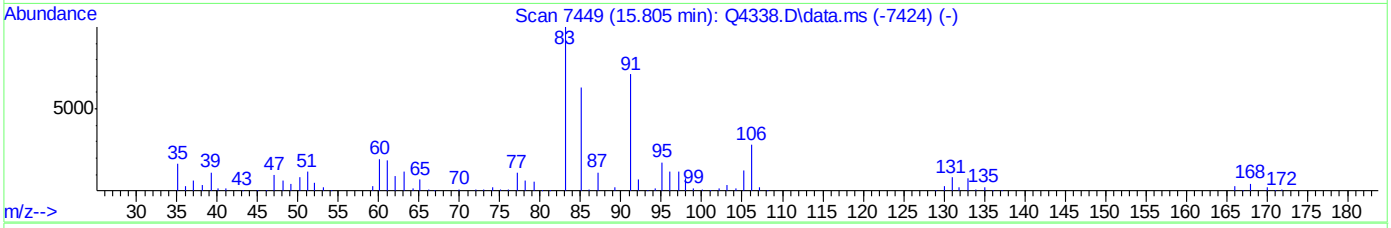
Quantitation Report (Qedit)

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

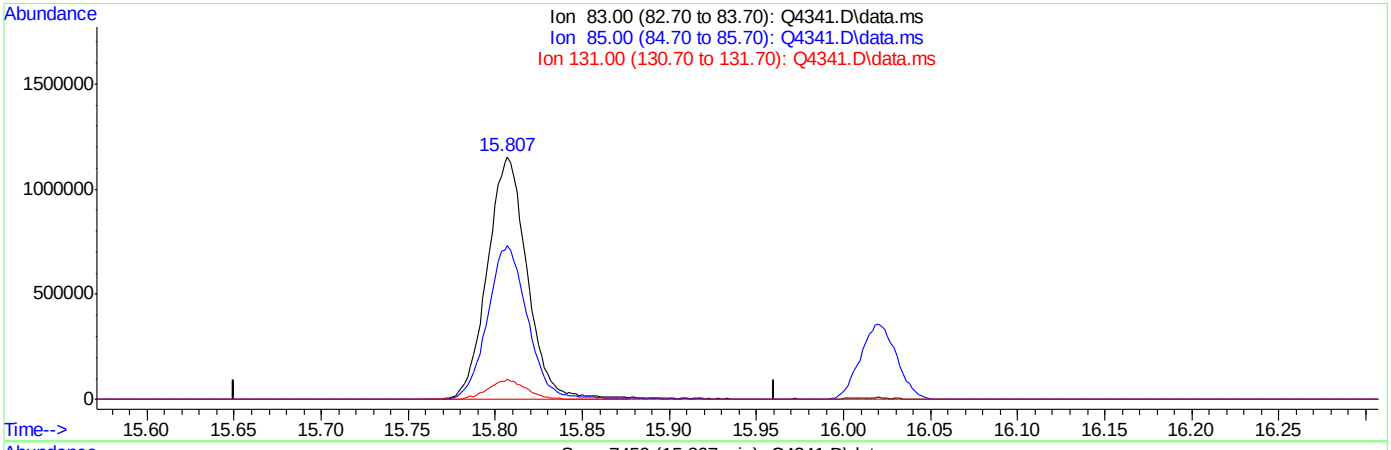
response 0

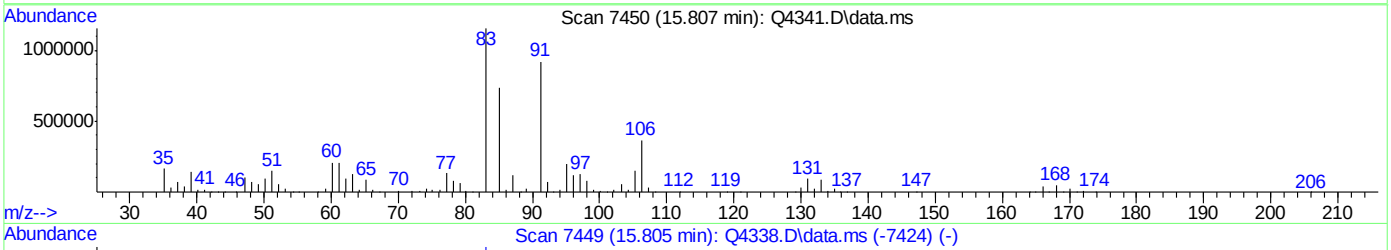
Ion	Exp%	Act%
83.00	100	0.00
85.00	63.70	0.00#
131.00	7.90	0.00
0.00	0.00	0.00

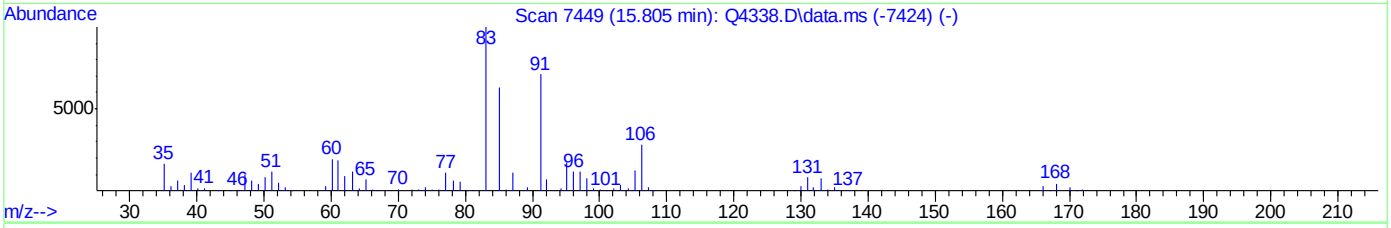
Quantitation Report (Qedit)

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 M67264

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

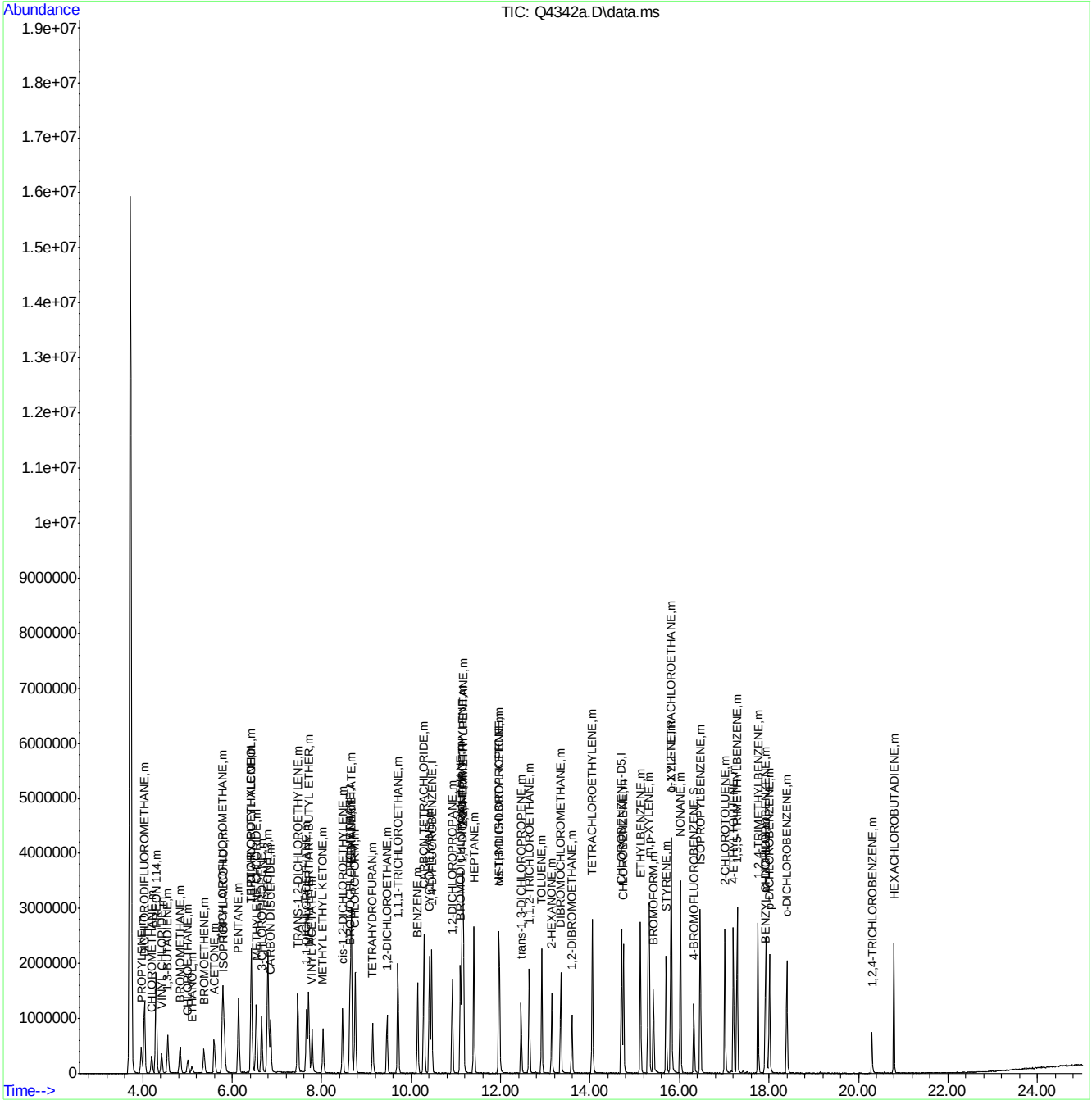
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) METHYL ISOBUTYL KETONE	11.972	43	1162331	12.00	PPBV	100
45) cis-1,3-DICHLOROPROPENE	11.958	75	612581	13.57	PPBV	94
46) TOLUENE	12.918	92	681659	9.90	PPBV	100
47) trans-1,3-DICHLOROPROPENE	12.458	75	456142	15.37	PPBV	99
48) 1,1,2-TRICHLOROETHANE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

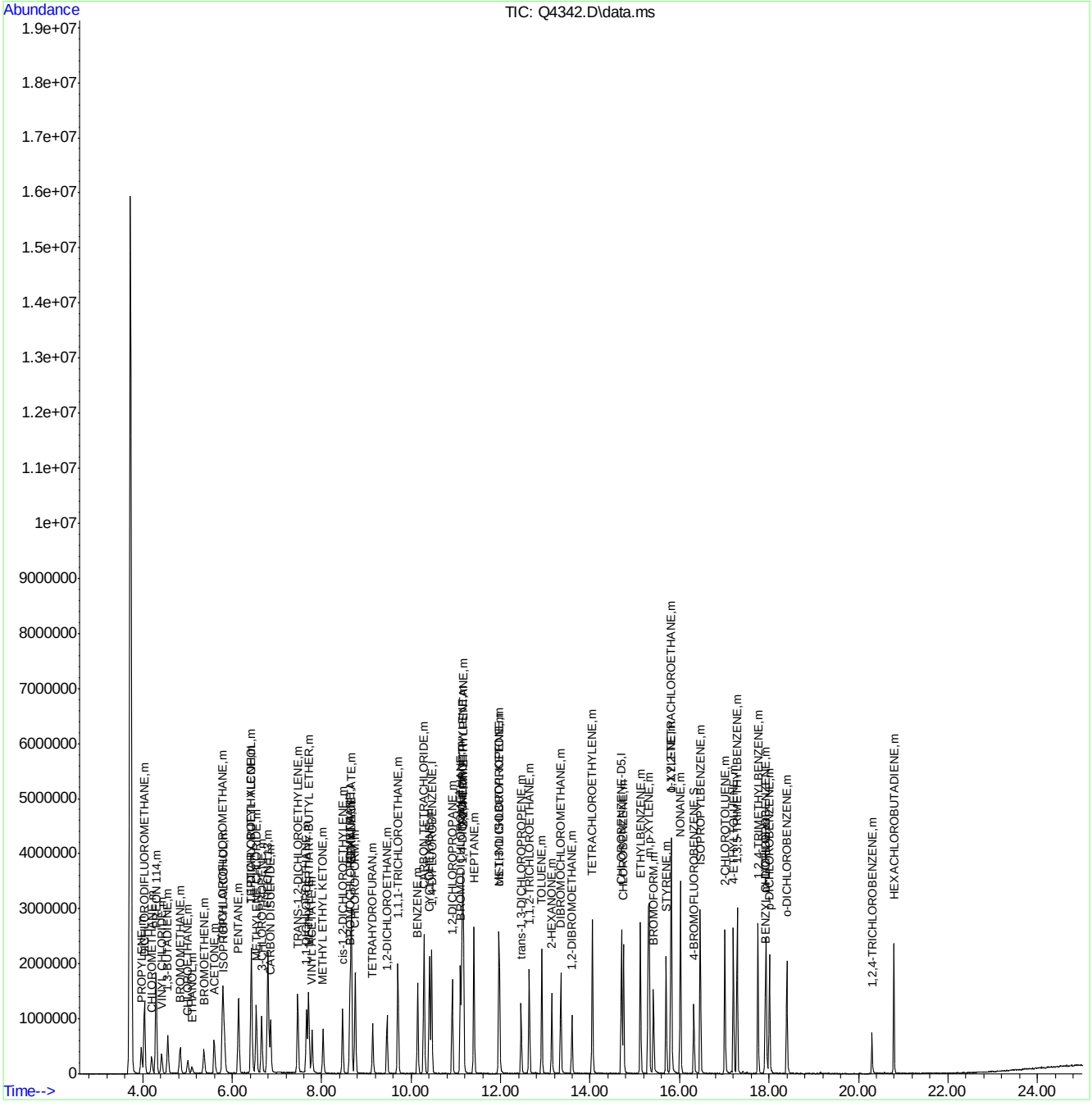
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) METHYL ISOBUTYL KETONE	11.972	43	1162331	12.00	PPBV	100
45) cis-1,3-DICHLOROPROPENE	11.958	75	612581	13.57	PPBV	94
46) TOLUENE	12.918	92	681659	9.90	PPBV	100
47) trans-1,3-DICHLOROPROPENE	12.458	75	456142	15.37	PPBV	99
48) 1,1,2-TRICHLOROETHANE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

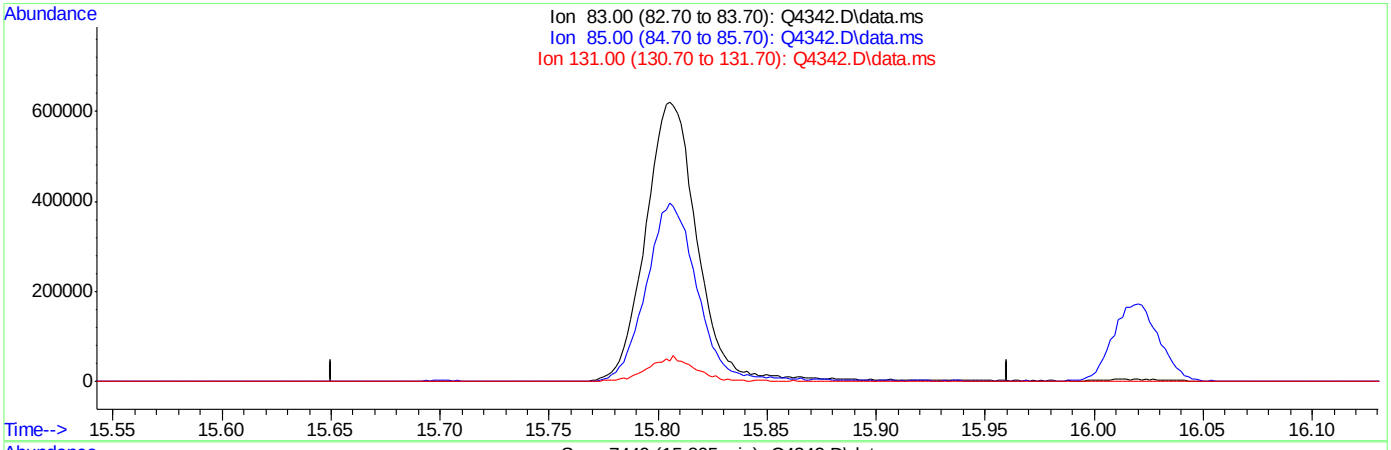


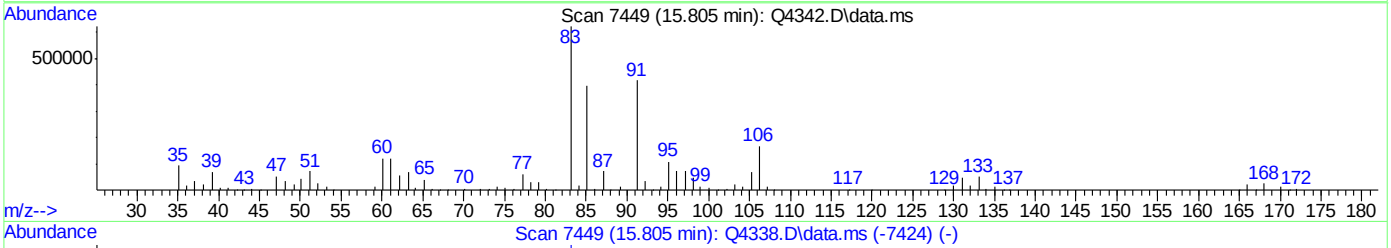
ACCUTEST Laboratories
M67264

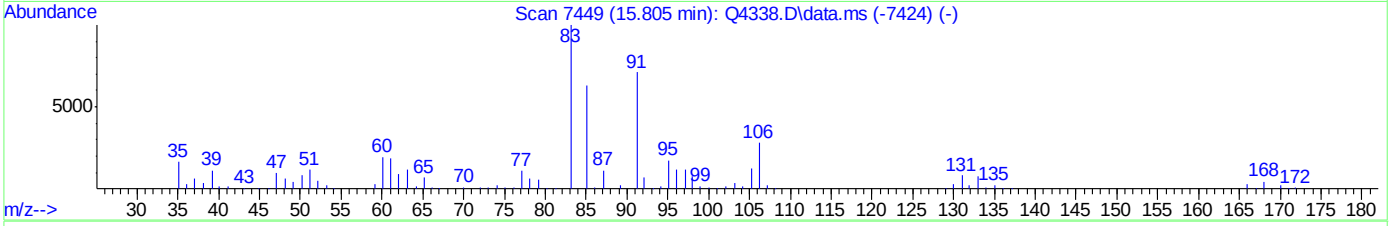
Quantitation Report (Qedit)

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

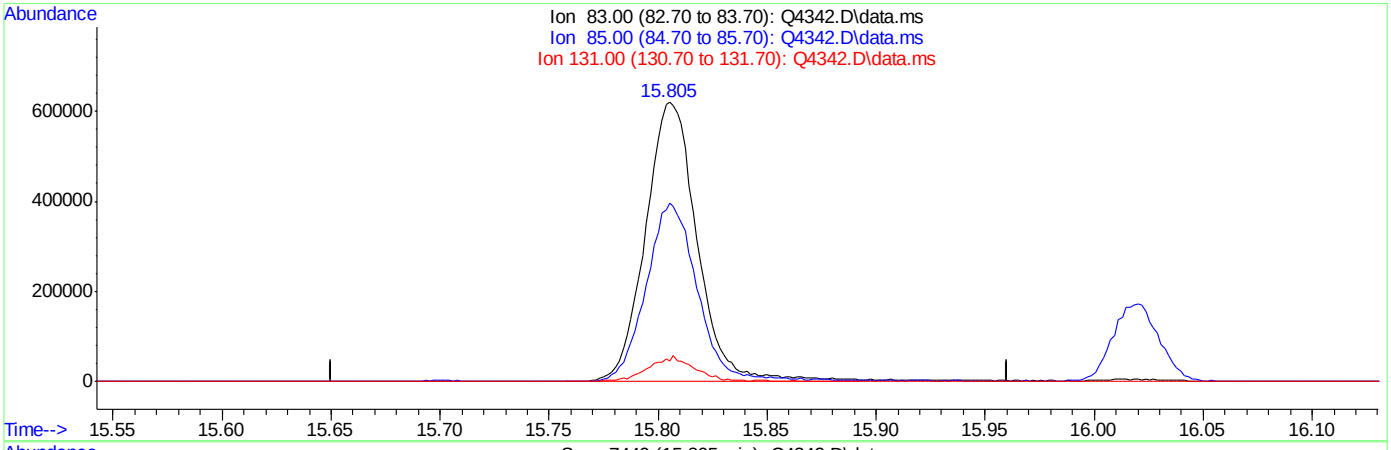
response 0

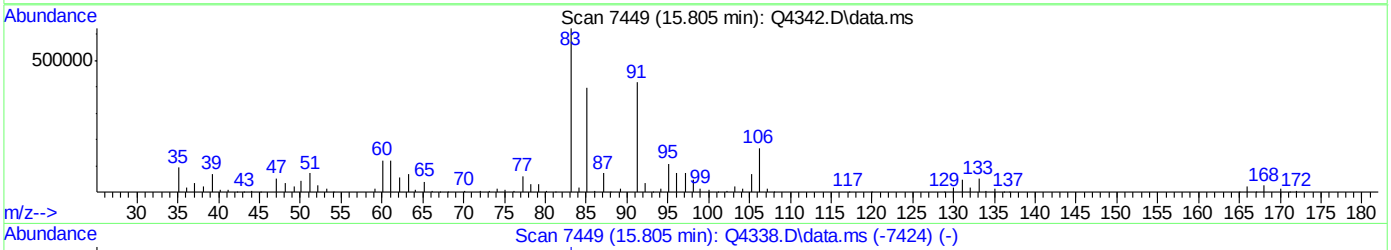
Ion	Exp%	Act%
83.00	100	0.00
85.00	63.70	0.00#
131.00	7.90	0.00
0.00	0.00	0.00

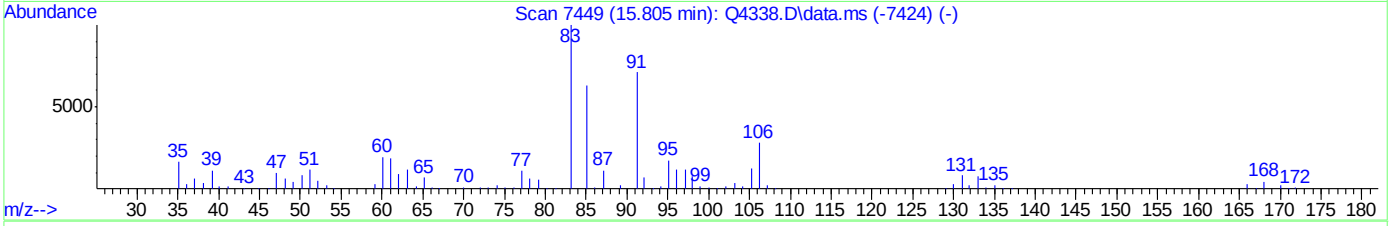
Quantitation Report (Qedit)

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

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







TIC: Q4342.D\data.ms

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

15.805min (+0.000) 13.71PPBV m

response 1023483

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

ACCUTEST Laboratories M67264

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

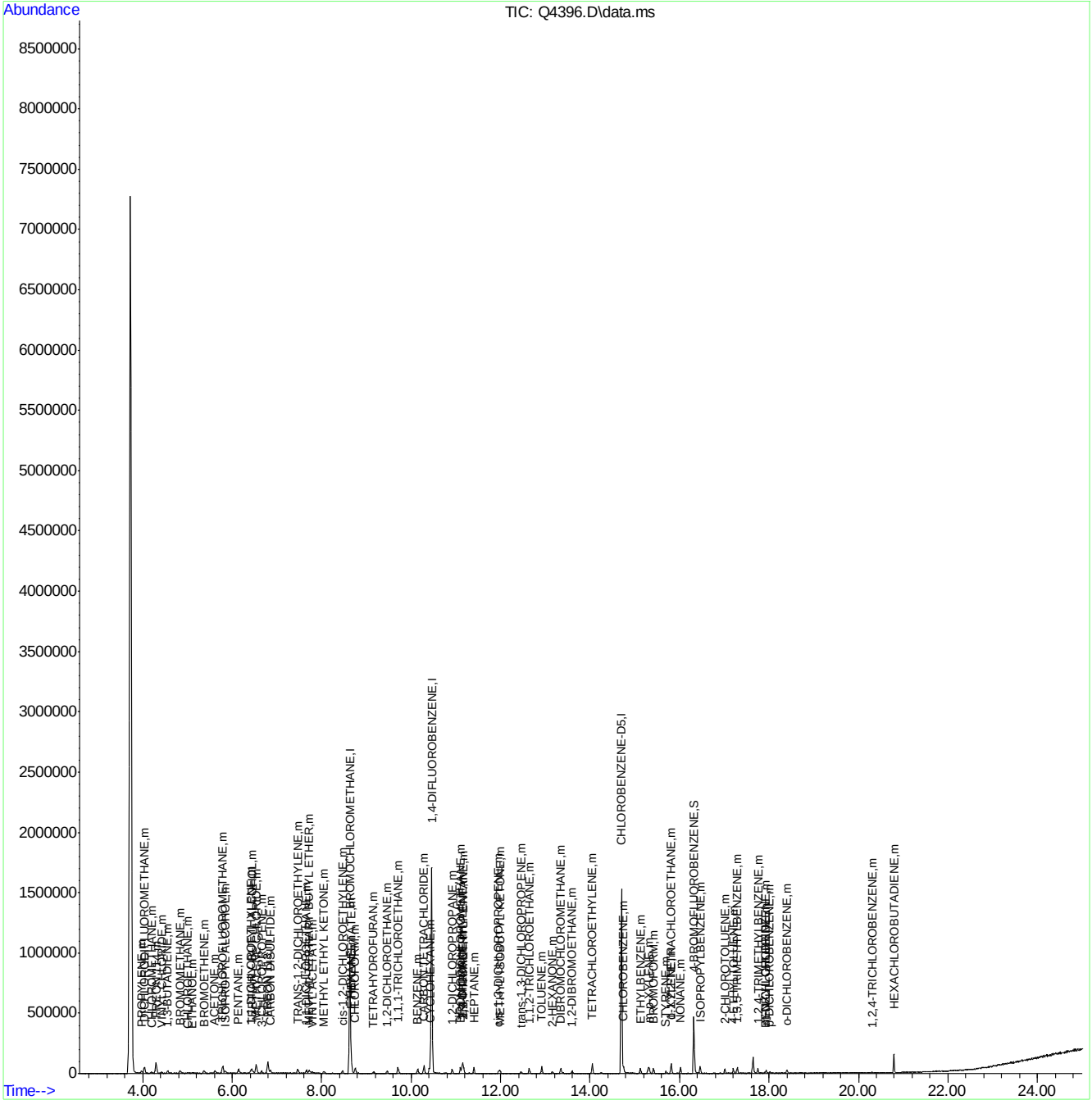
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) METHYL ISOBUTYL KETONE	11.984	43	17583	0.36	PPBV	100
45) cis-1,3-DICHLOROPROPENE	11.957	75	10854	0.34	PPBV #	82
46) TOLUENE	12.916	92	24179	0.52	PPBV	98
47) trans-1,3-DICHLOROPROPENE	12.453	75	8519	0.29	PPBV	98
48) 1,1,2-TRICHLOROETHANE	12.639	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



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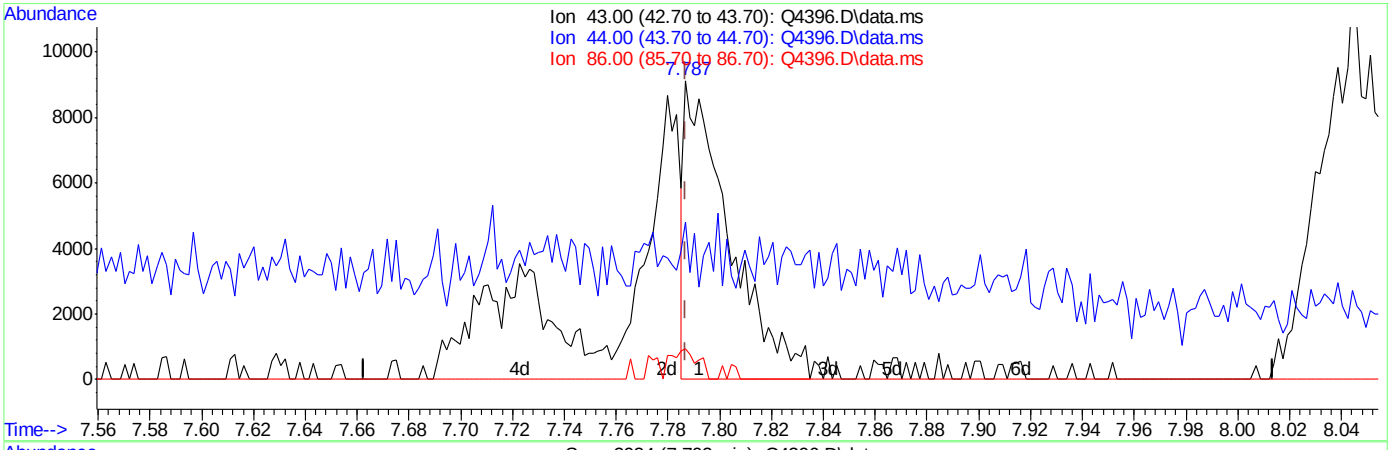
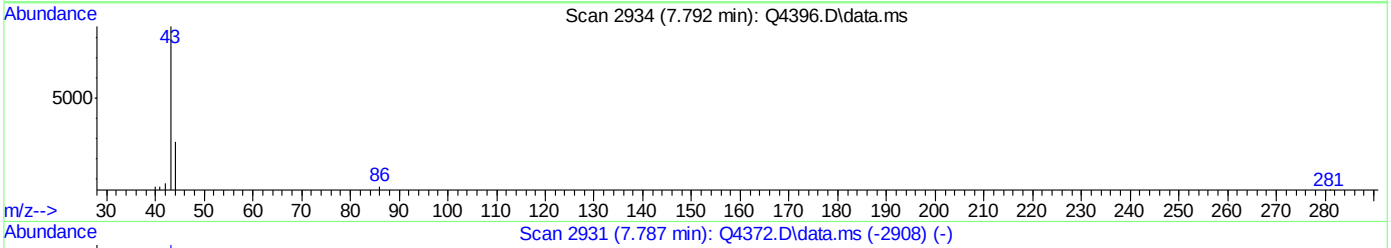
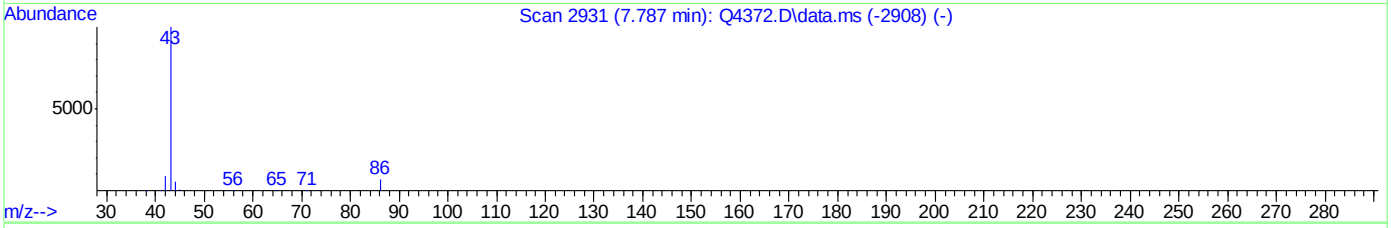
Quantitation Report (Qedit)

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

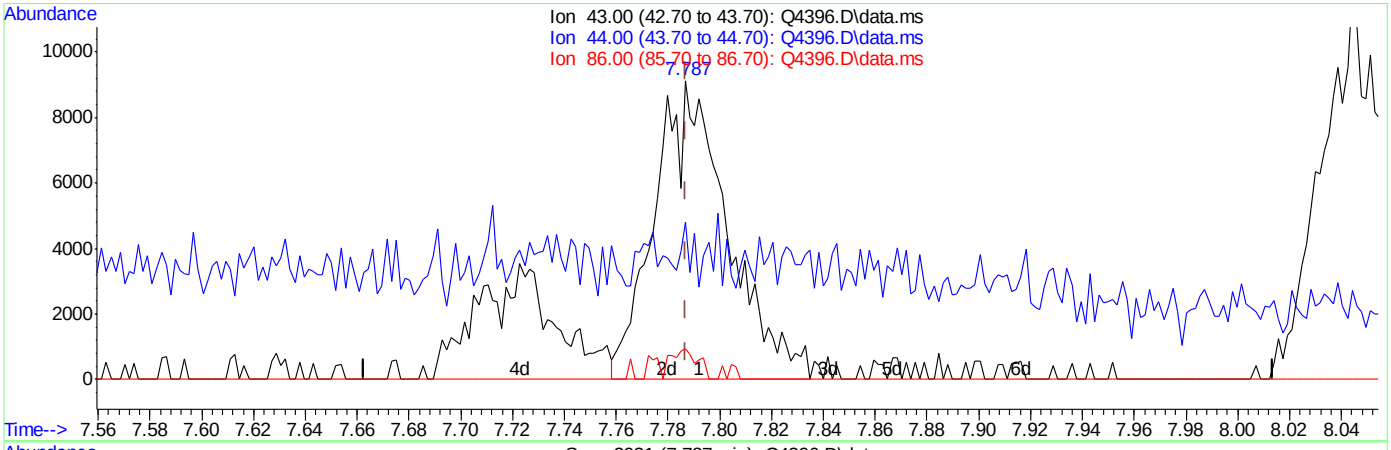
response 10923

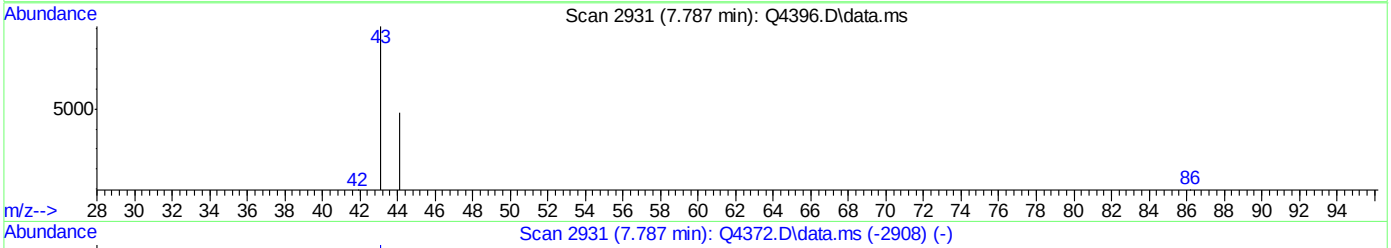
Ion	Exp%	Act%
43.00	100	100
44.00	6.40	25.62
86.00	7.50	8.23
0.00	0.00	0.00

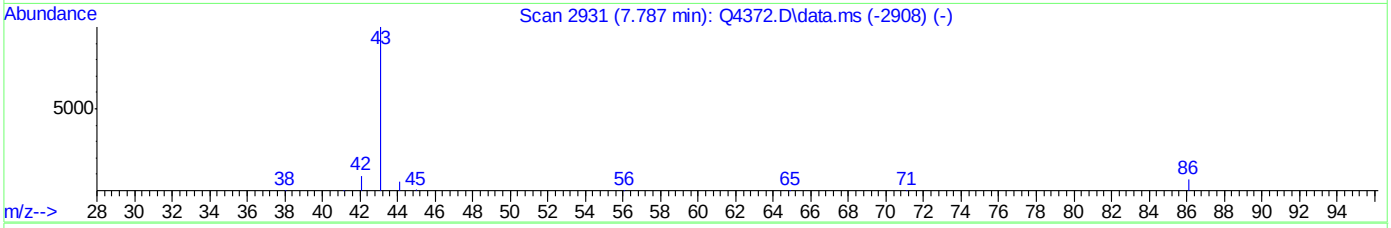
Quantitation Report (Qedit)

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 M67264

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

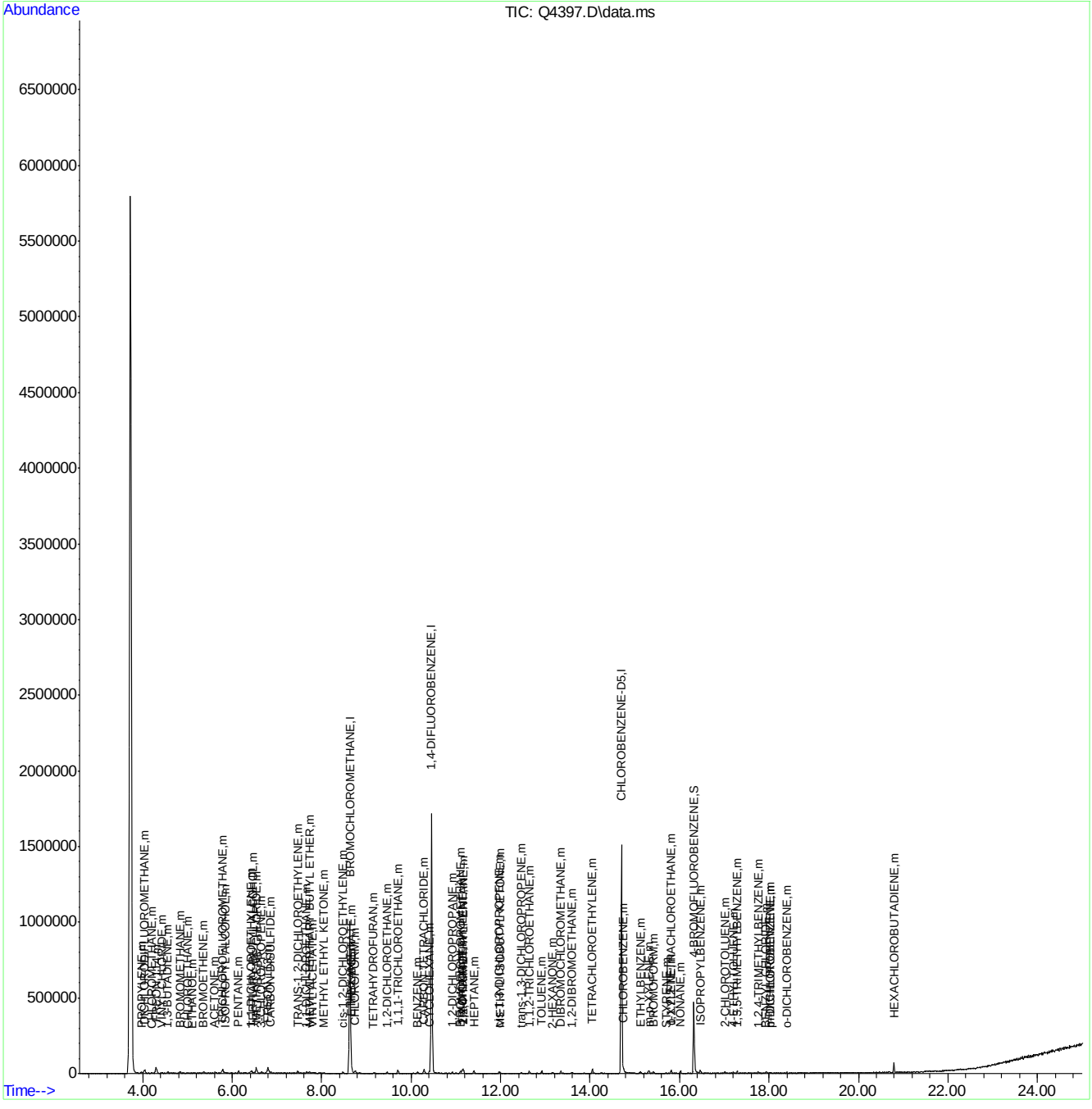
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) METHYL ISOBUTYL KETONE	11.990	43	5434	0.11	PPBV	91
45) cis-1,3-DICHLOROPROPENE	11.959	75	4096	0.13	PPBV #	75
46) TOLUENE	12.920	92	7661	0.17	PPBV	98
47) trans-1,3-DICHLOROPROPENE	12.460	75	2821	0.10	PPBV #	68
48) 1,1,2-TRICHLOROETHANE	12.641	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

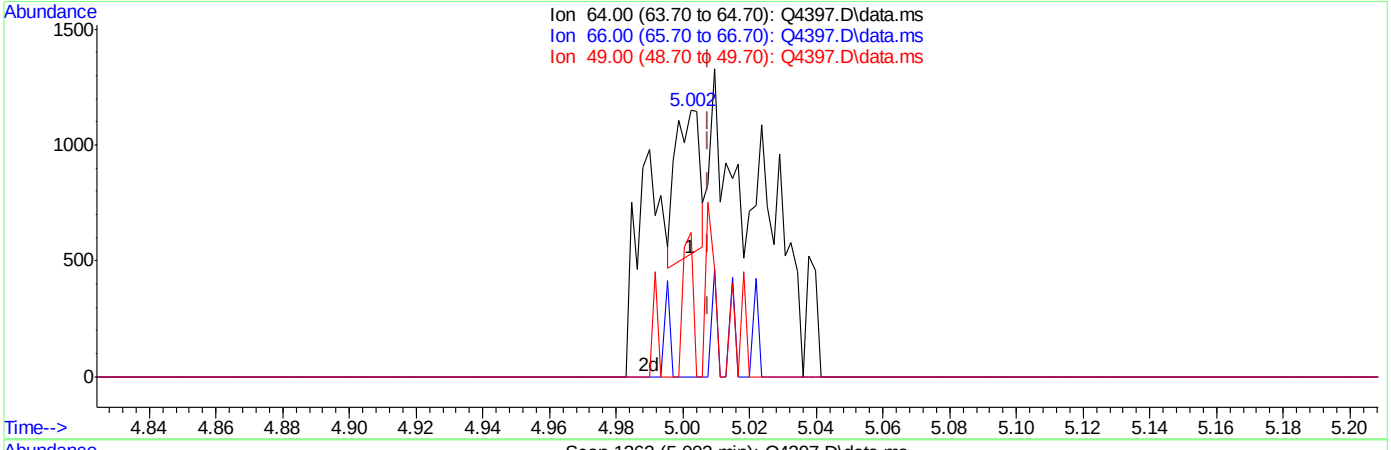
Quant Time: Aug 27 13:23:42 2007
Quant Method : C:\msdchem\1\METHODS\Q082707T.m
Quant Title : TO15 by GCMS w/DB-1 60 m X .25 mm ID 1.0 um
QLast Update : Mon Aug 27 10:02:13 2007
Response via : Initial Calibration

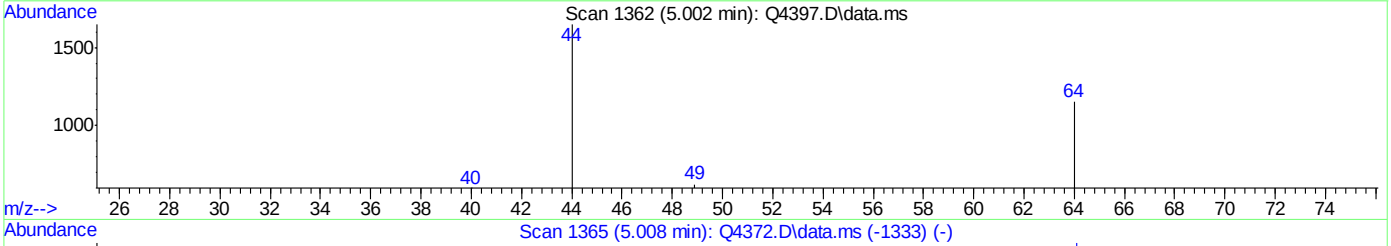


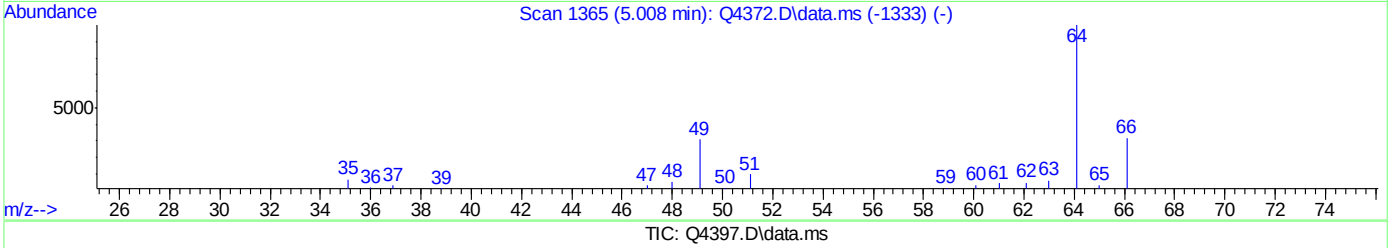
Quantitation Report (Qedit)

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

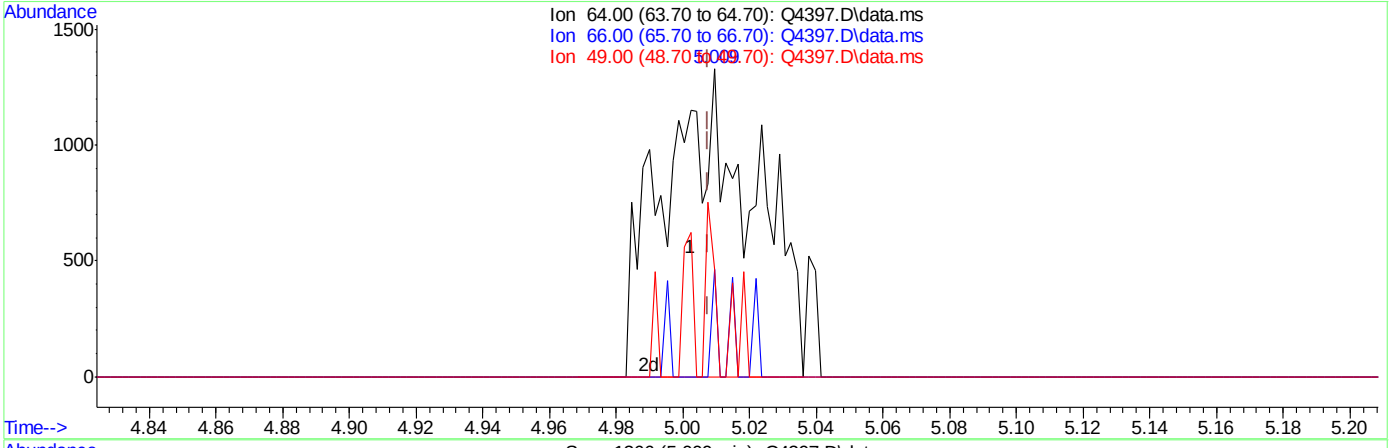
response 320

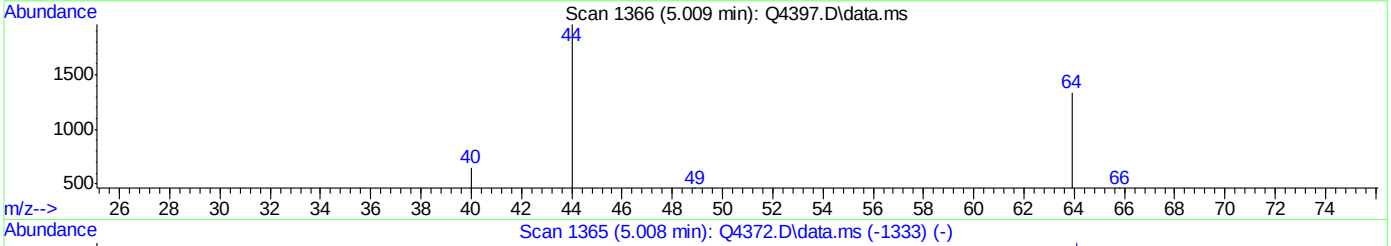
Ion	Exp%	Act%
64.00	100	100
66.00	31.80	29.69
49.00	29.00	93.13#
0.00	0.00	0.00

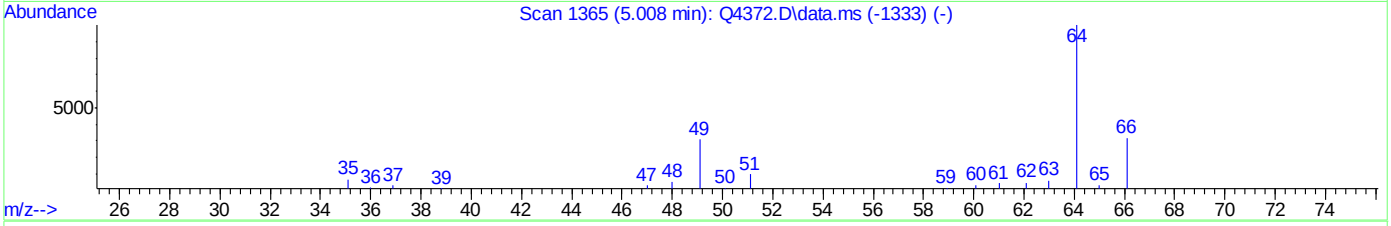
Quantitation Report (Qedit)

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

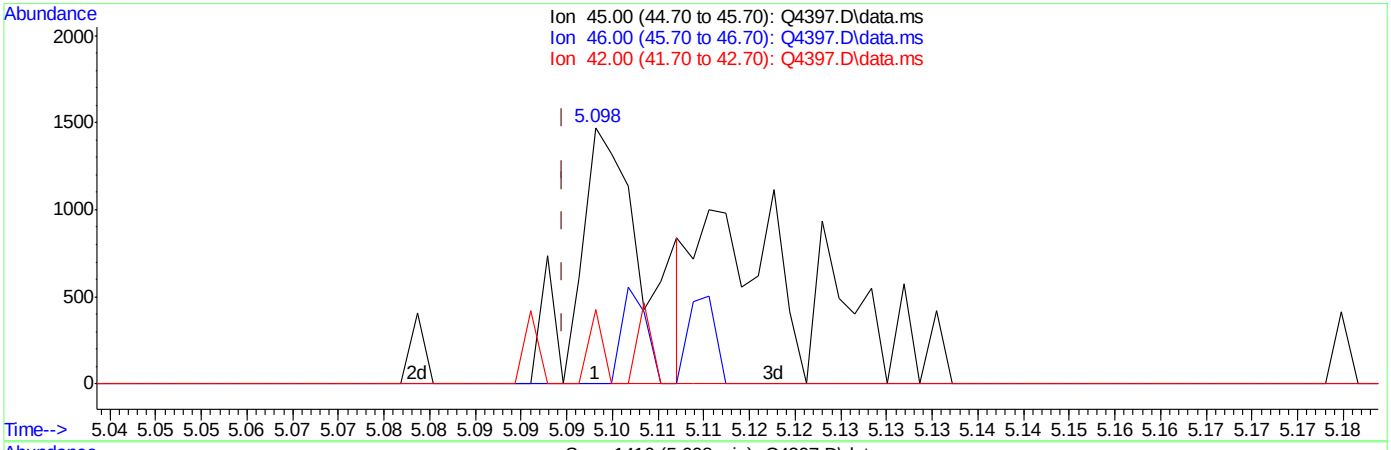
response 2524

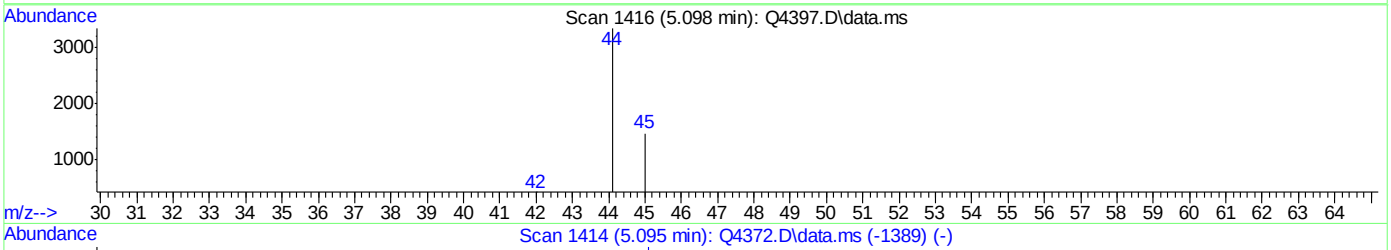
Ion	Exp%	Act%
64.00	100	100
66.00	31.80	3.76#
49.00	29.00	11.81
0.00	0.00	0.00

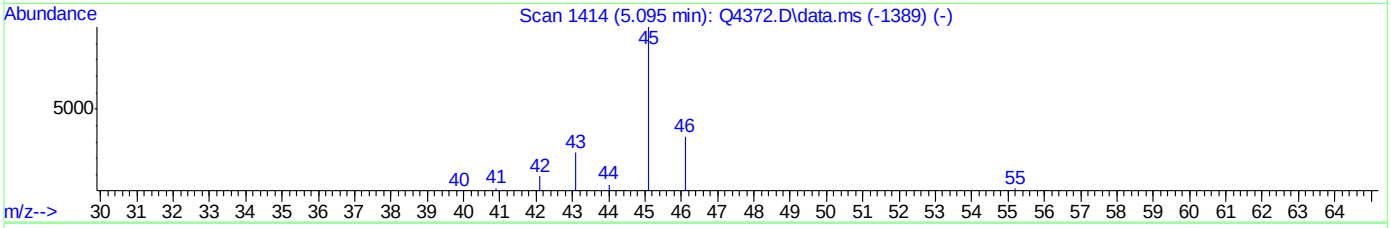
Quantitation Report (Qedit)

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

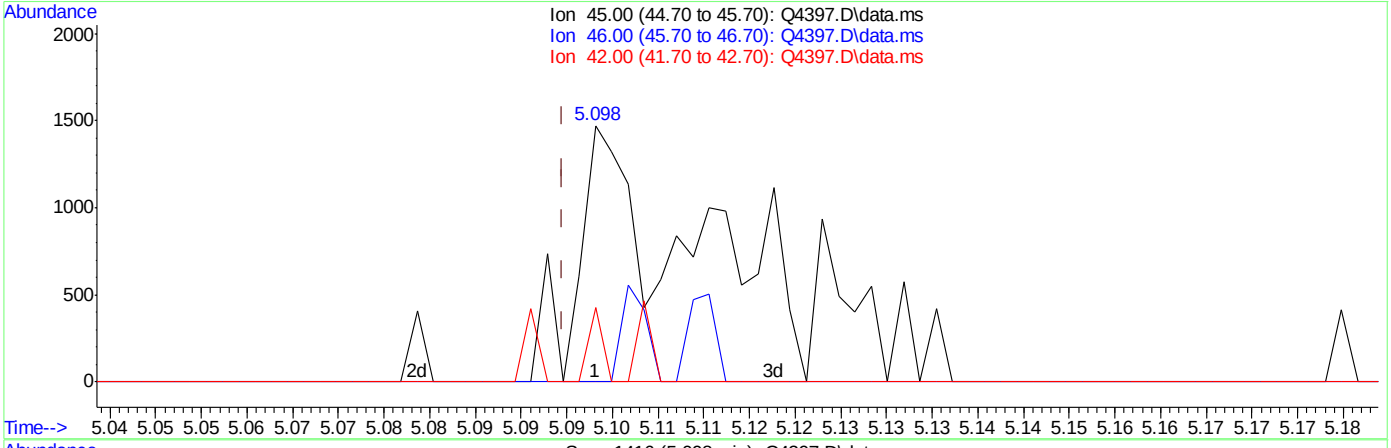
response 757

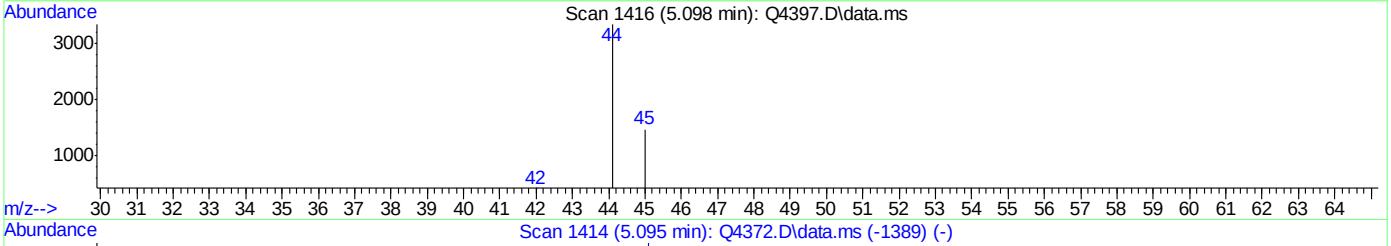
Ion	Exp%	Act%
45.00	100	100
46.00	33.40	13.61
42.00	8.70	12.55
0.00	0.00	0.00

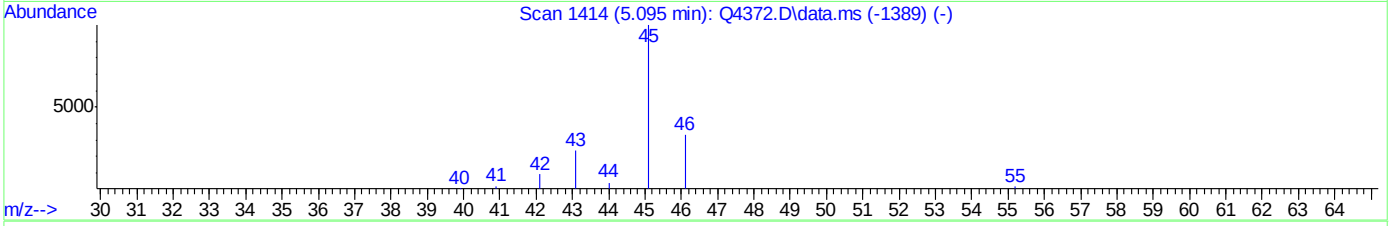
Quantitation Report (Qedit)

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

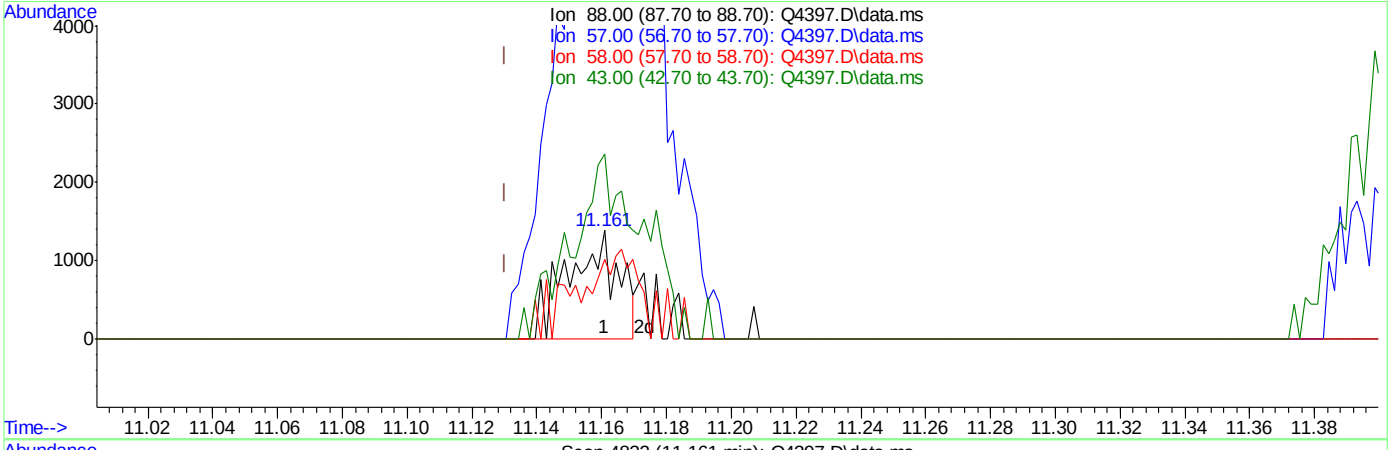
response 1254

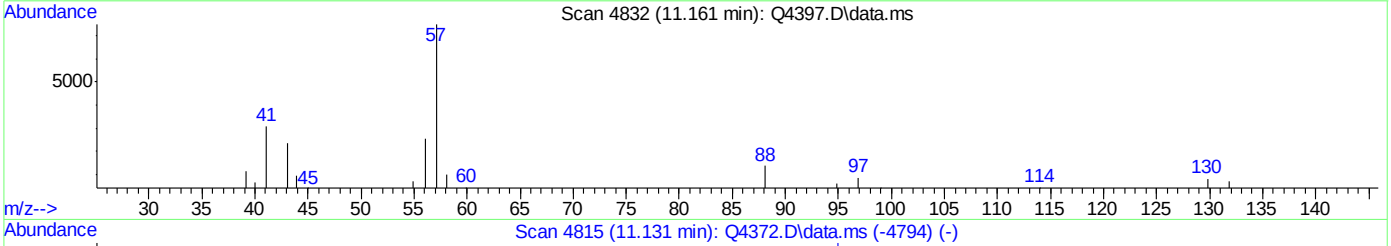
Ion	Exp%	Act%
45.00	100	100
46.00	33.40	8.21#
42.00	8.70	7.58
0.00	0.00	0.00

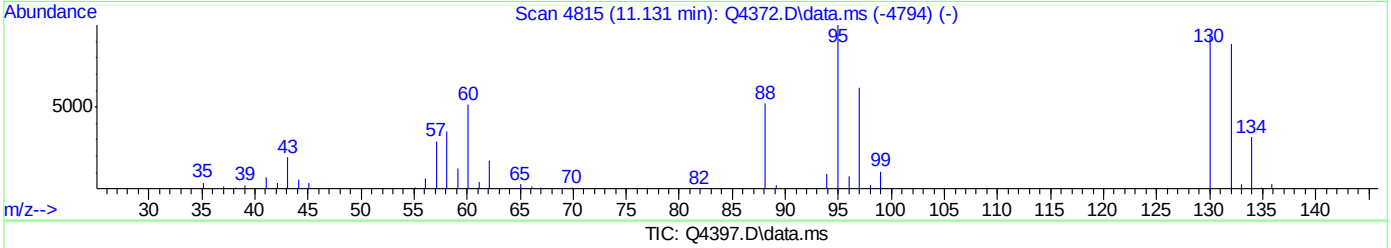
Quantitation Report (Qedit)

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

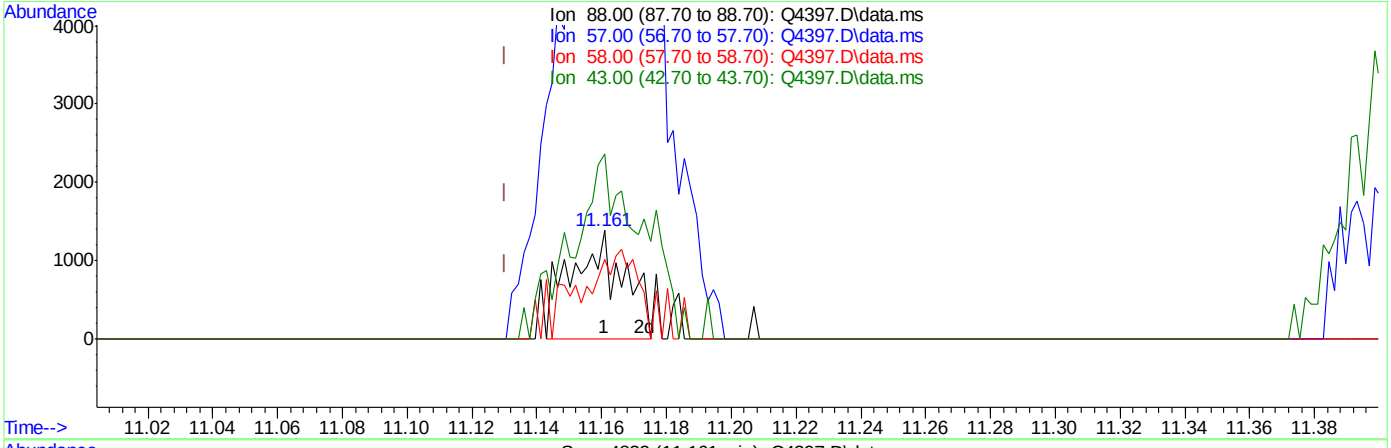
response 1470

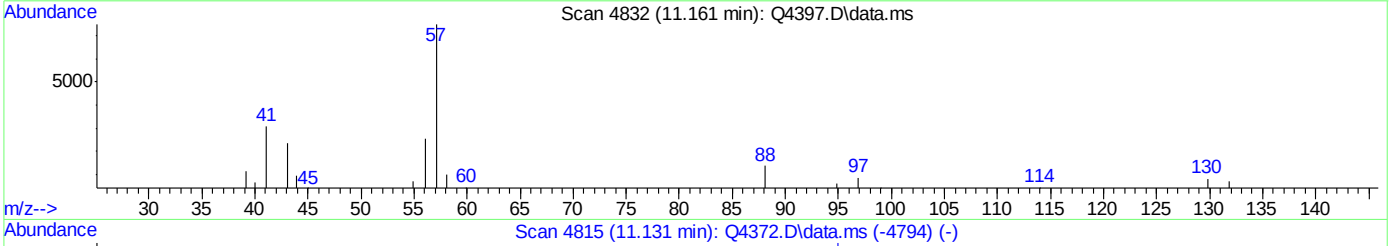
Ion	Exp%	Act%
88.00	100	100
57.00	55.60	539.49#
58.00	67.10	73.14
43.00	36.80	170.18#

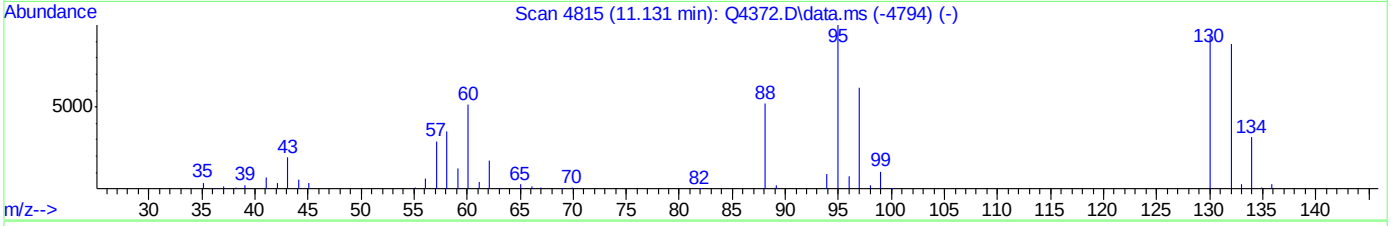
Quantitation Report (Qedit)

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#

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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

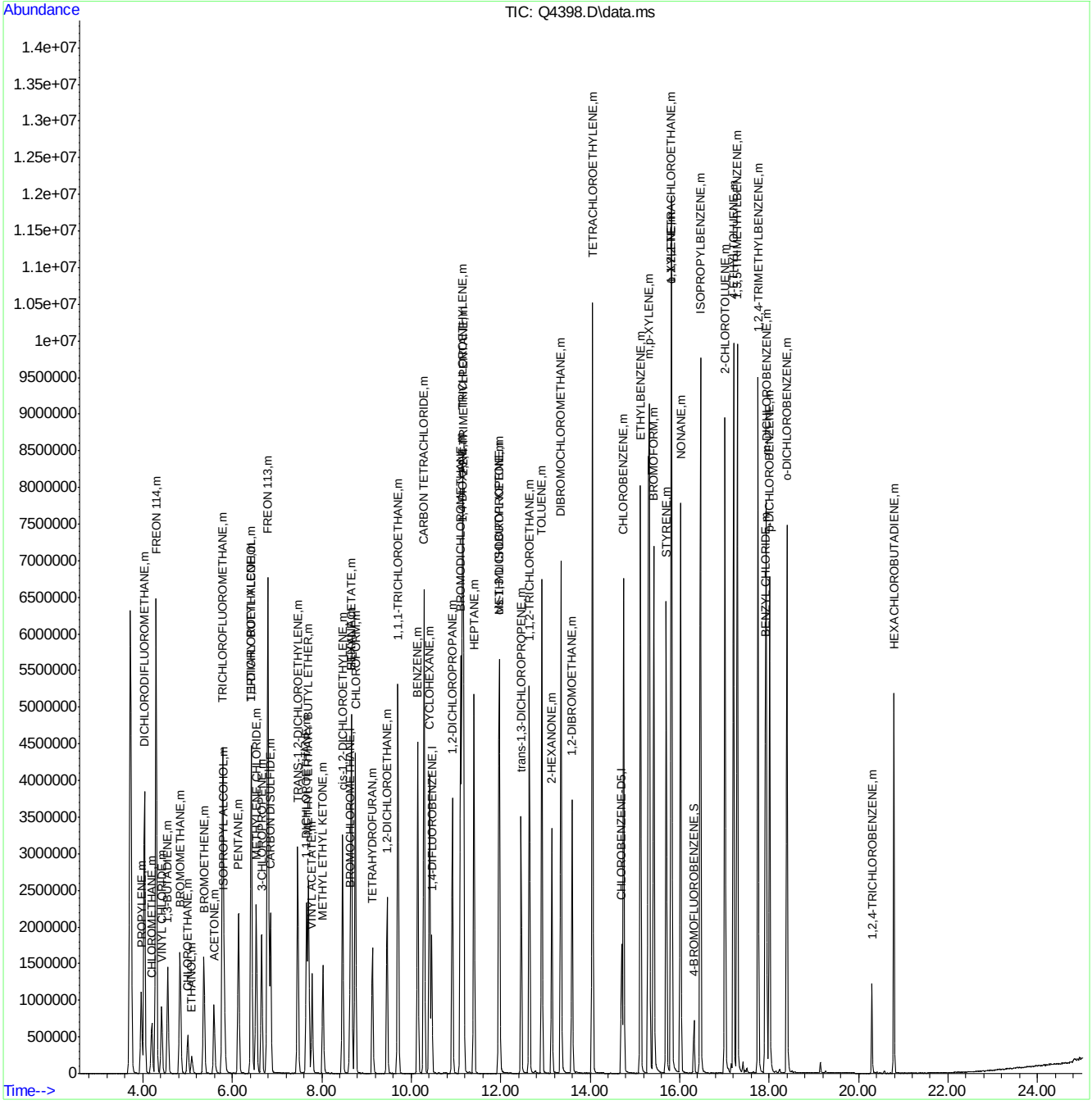
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) METHYL ISOBUTYL KETONE	11.973	43	2294535	42.61	PPBV	94
45) cis-1,3-DICHLOROPROPENE	11.959	75	1950607	55.19	PPBV	93
46) TOLUENE	12.921	92	2716267	52.33	PPBV	99
47) trans-1,3-DICHLOROPROPENE	12.460	75	1791544	55.62	PPBV	95
48) 1,1,2-TRICHLOROETHANE	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



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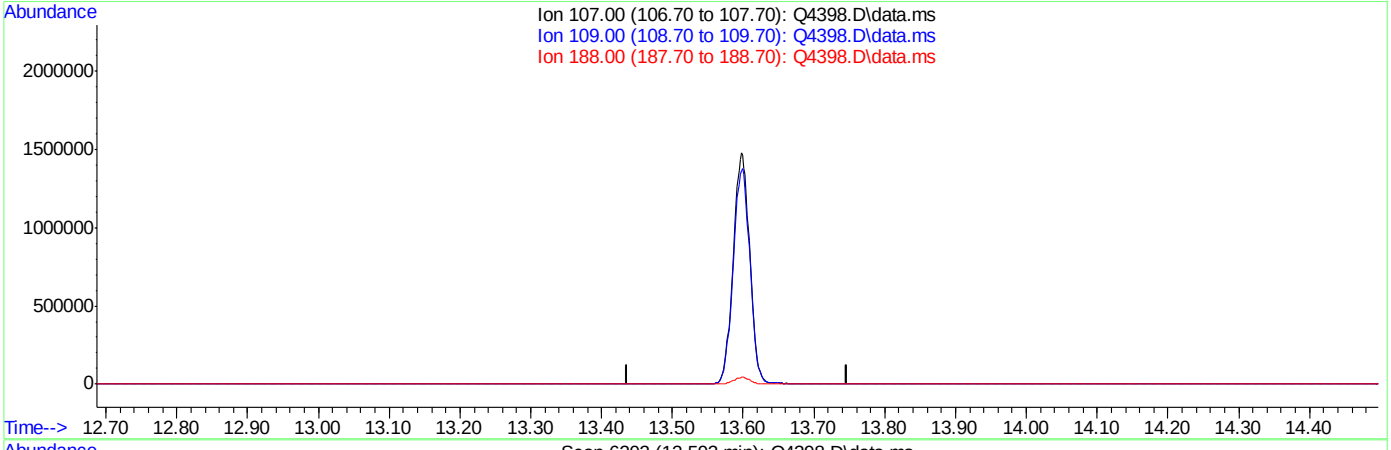
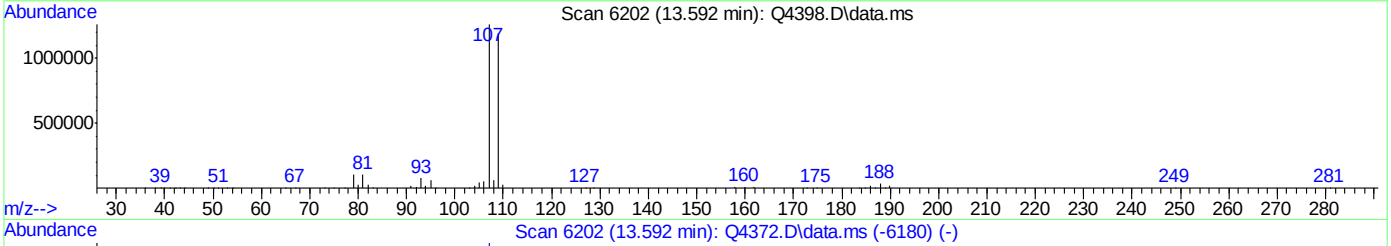
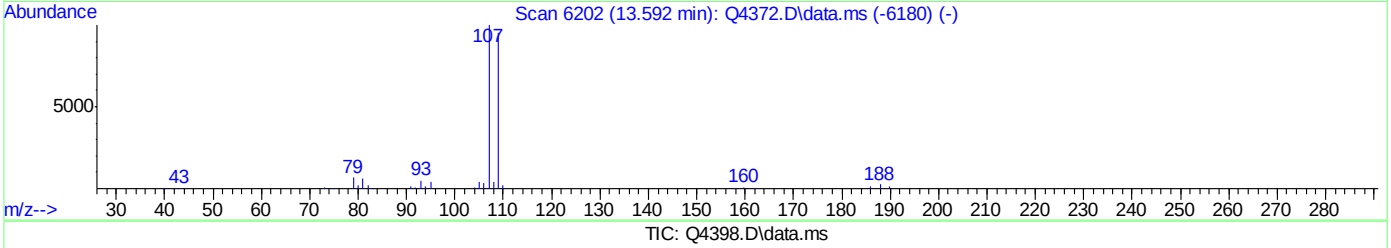
Quantitation Report (Qedit)

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

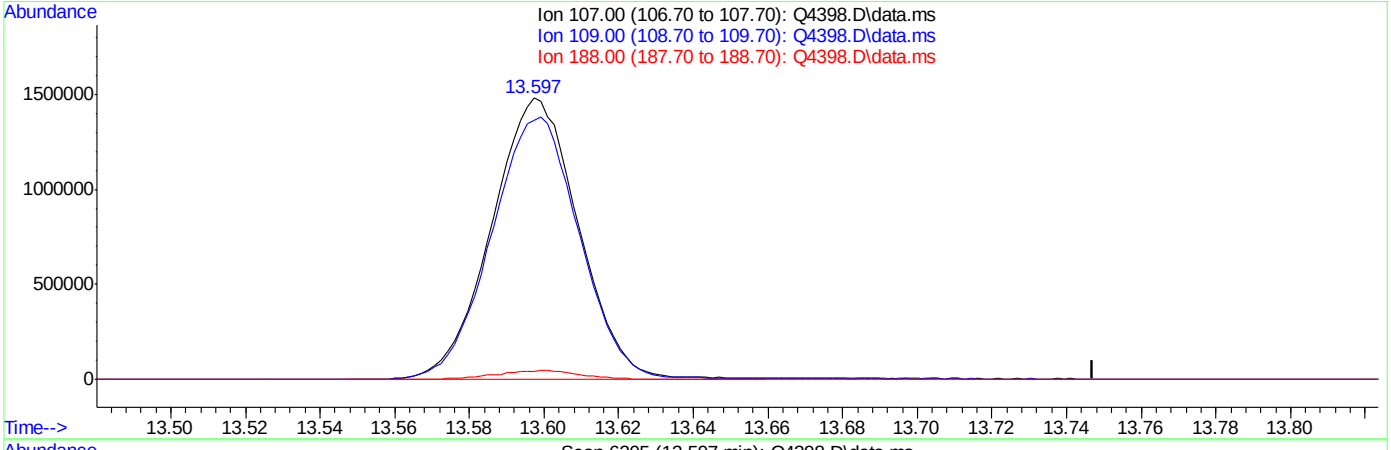
Ion	Exp%	Act%
107.00	100	0.00
109.00	93.70	0.00#
188.00	2.70	0.00
0.00	0.00	0.00

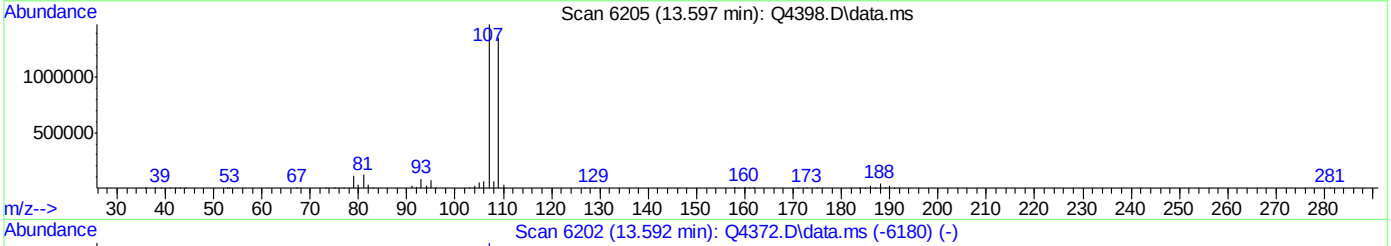
ACCUTEST Laboratories M67264

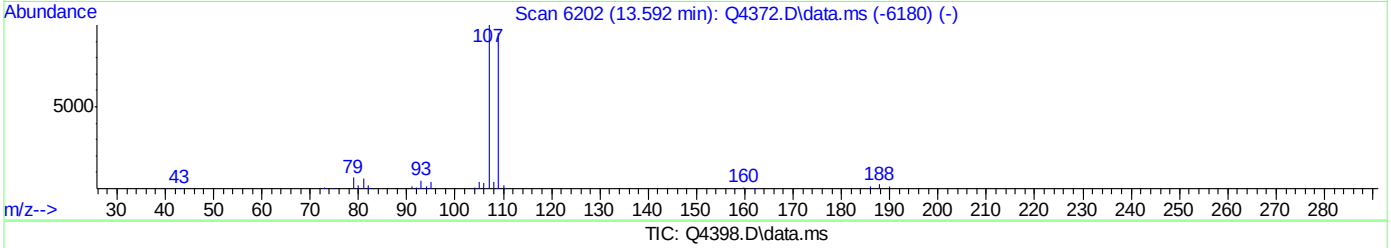
Quantitation Report (Qedit)

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

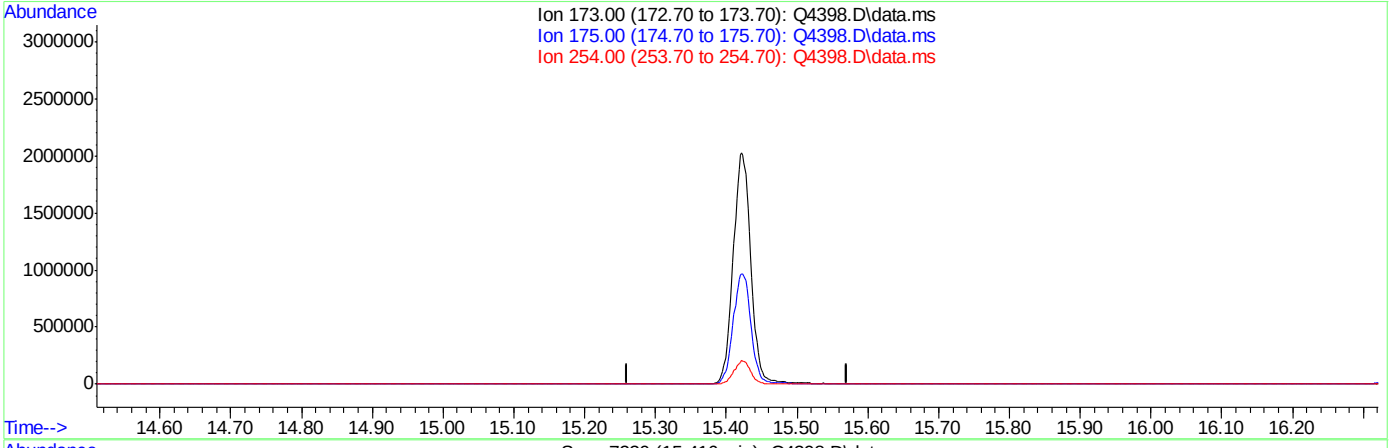
response 2396826

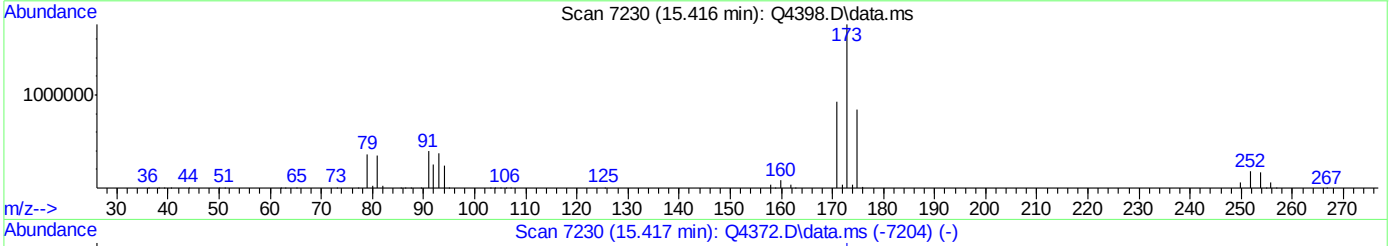
Ion	Exp%	Act%
107.00	100	100
109.00	93.70	0.00#
188.00	2.70	0.00
0.00	0.00	0.00

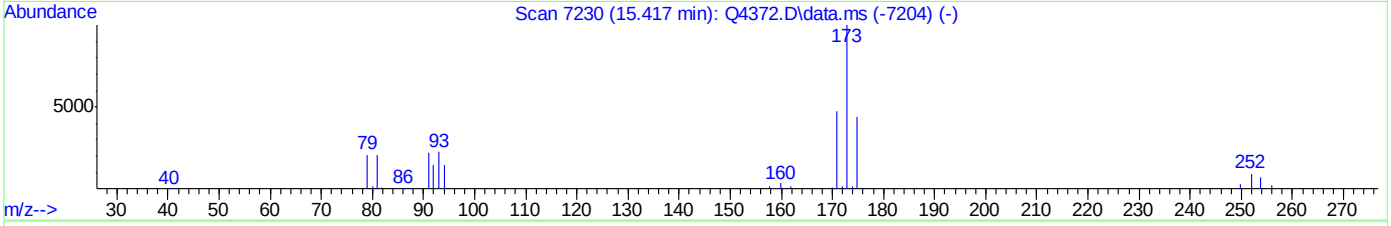
Quantitation Report (Qedit)

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

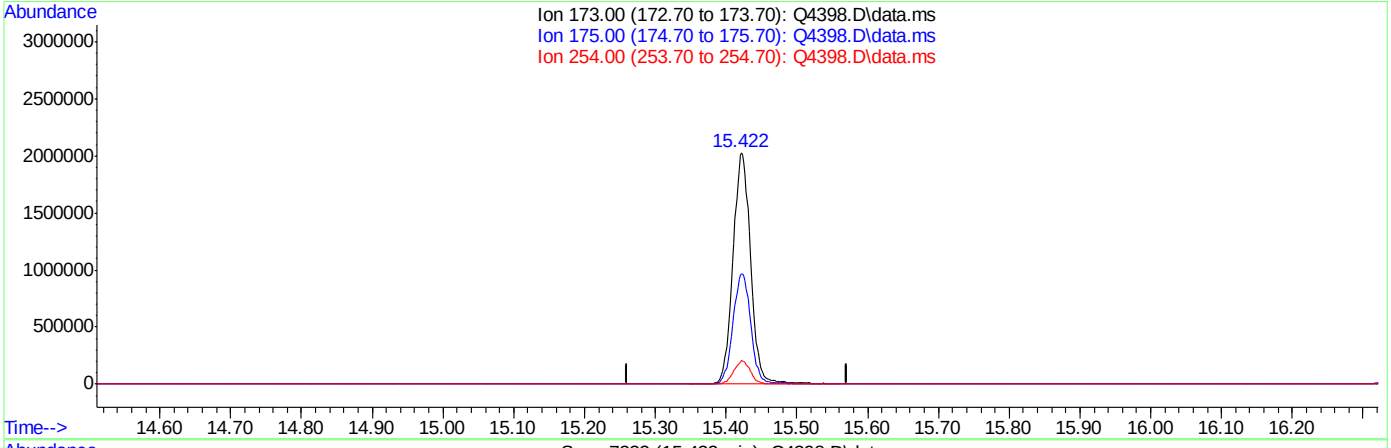
response 0

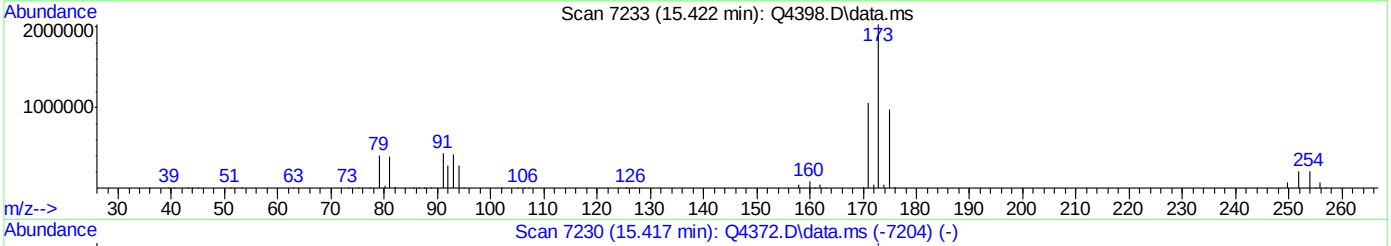
Ion	Exp%	Act%
173.00	100	0.00
175.00	48.30	0.00#
254.00	8.10	0.00
0.00	0.00	0.00

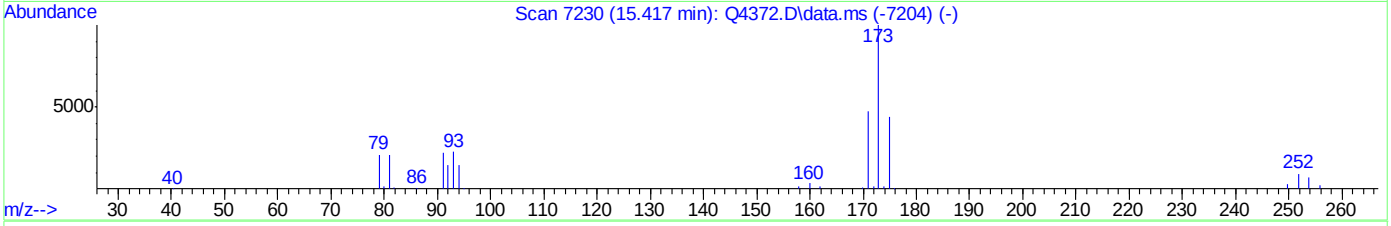
Quantitation Report (Qedit)

```
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

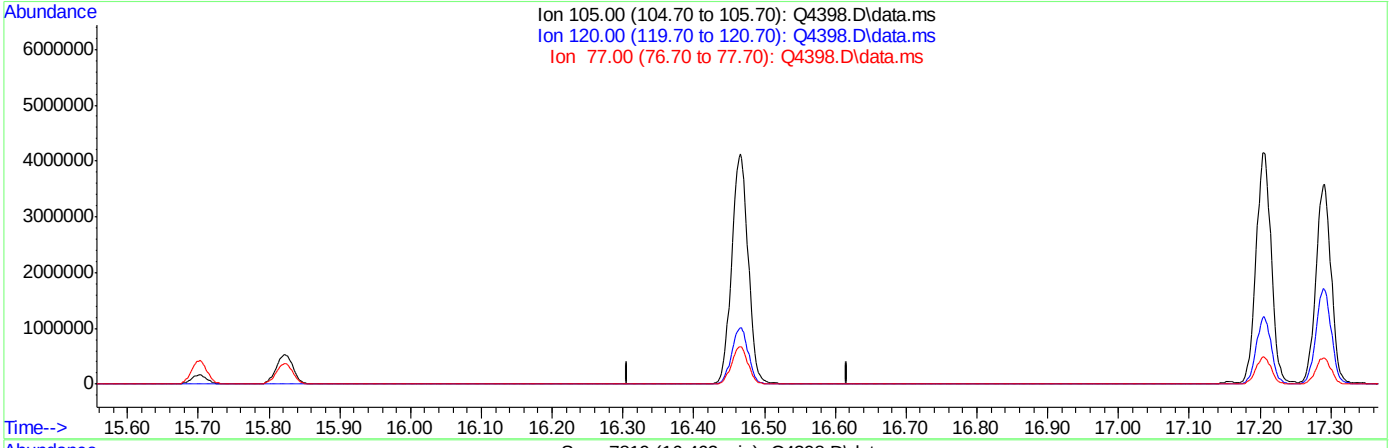
Ion	Exp%	Act%
173.00	100	100
175.00	48.30	0.00#
254.00	8.10	0.00
0.00	0.00	0.00

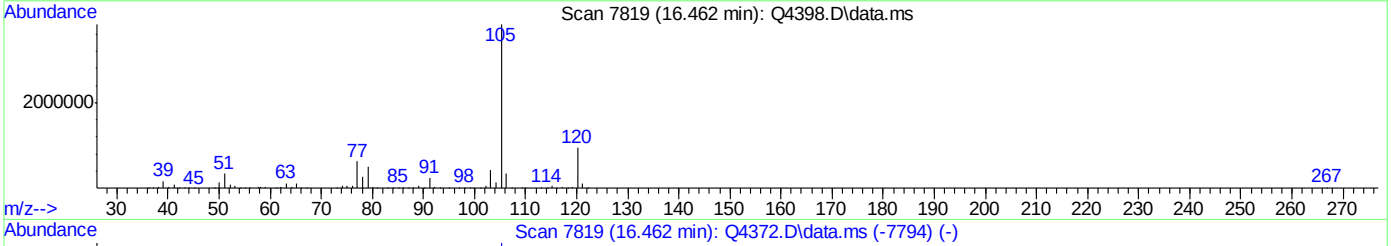
ACCUTEST Laboratories M67264

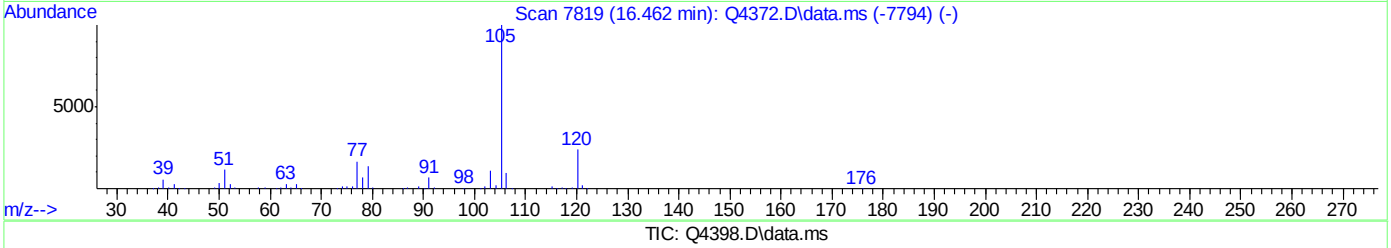
Quantitation Report (Qedit)

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

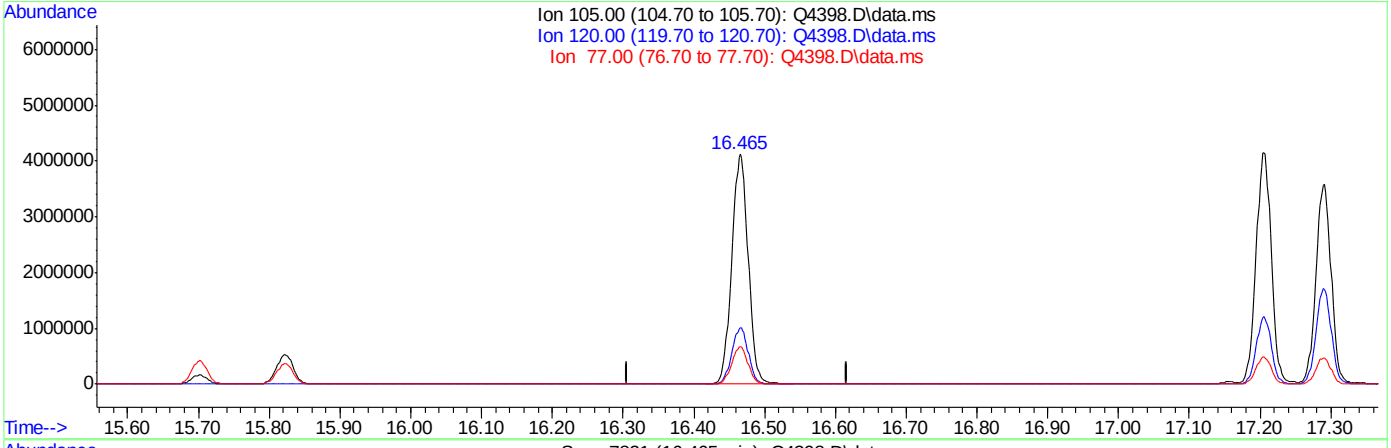
Ion	Exp%	Act%
105.00	100	0.00
120.00	24.50	0.00#
77.00	17.30	0.00
0.00	0.00	0.00

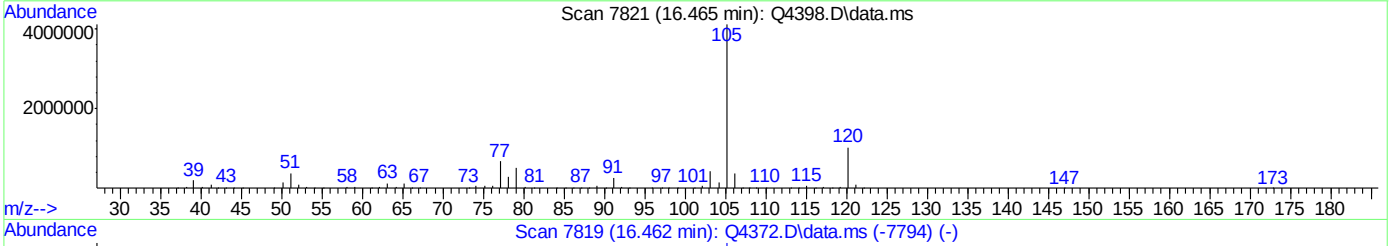
ACCUTEST Laboratories M67264

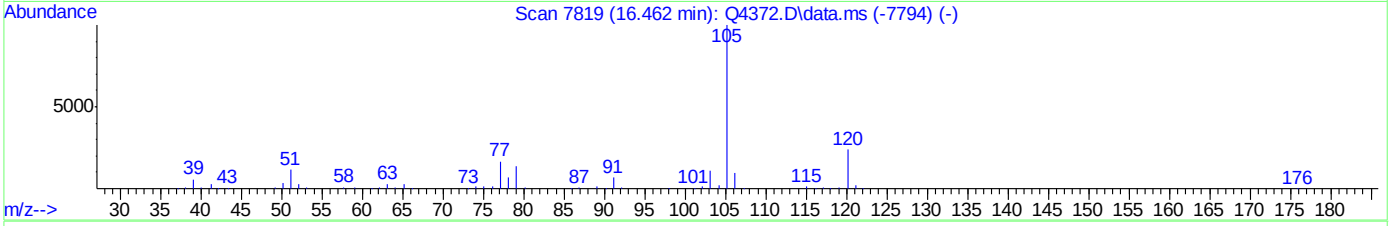
Quantitation Report (Qedit)

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

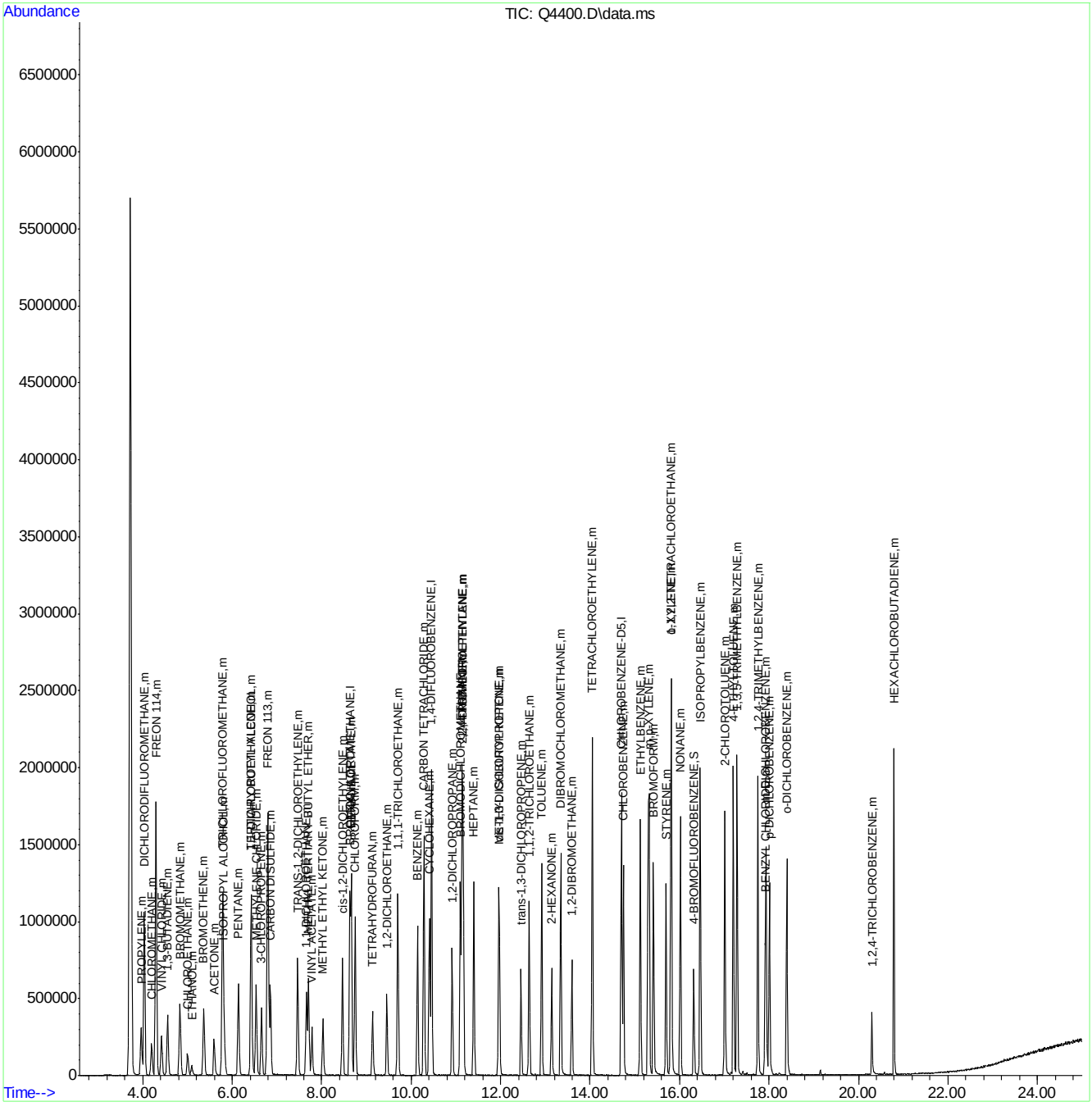
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) METHYL ISOBUTYL KETONE	11.974	43	540402	9.35	PPBV	95
45) cis-1,3-DICHLOROPROPENE	11.956	75	403073	10.63	PPBV	96
46) TOLUENE	12.916	92	543038	9.75	PPBV	100
47) trans-1,3-DICHLOROPROPENE	12.455	75	348470	10.08	PPBV	96
48) 1,1,2-TRICHLOROETHANE	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

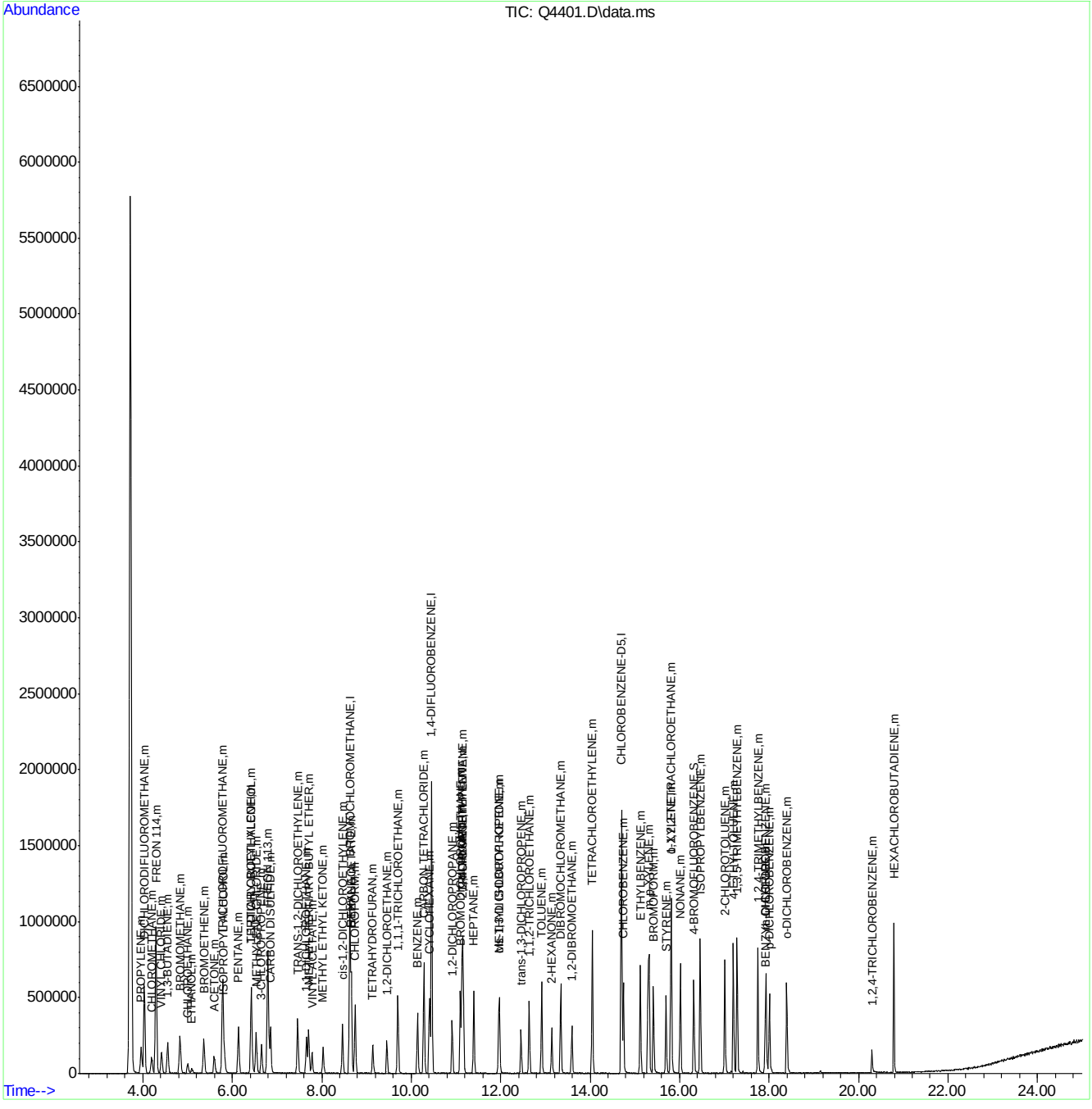
Internal Standards	R.T.	QIon	Response	Conc Units	Dev(Min)
44) METHYL ISOBUTYL KETONE	11.975	43	239450	5.01 PPBV	100
45) cis-1,3-DICHLOROPROPENE	11.957	75	164070	4.53 PPBV	97
46) TOLUENE	12.918	92	231209	4.14 PPBV	99
47) trans-1,3-DICHLOROPROPENE	12.456	75	144100	4.75 PPBV	99
48) 1,1,2-TRICHLOROETHANE	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

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

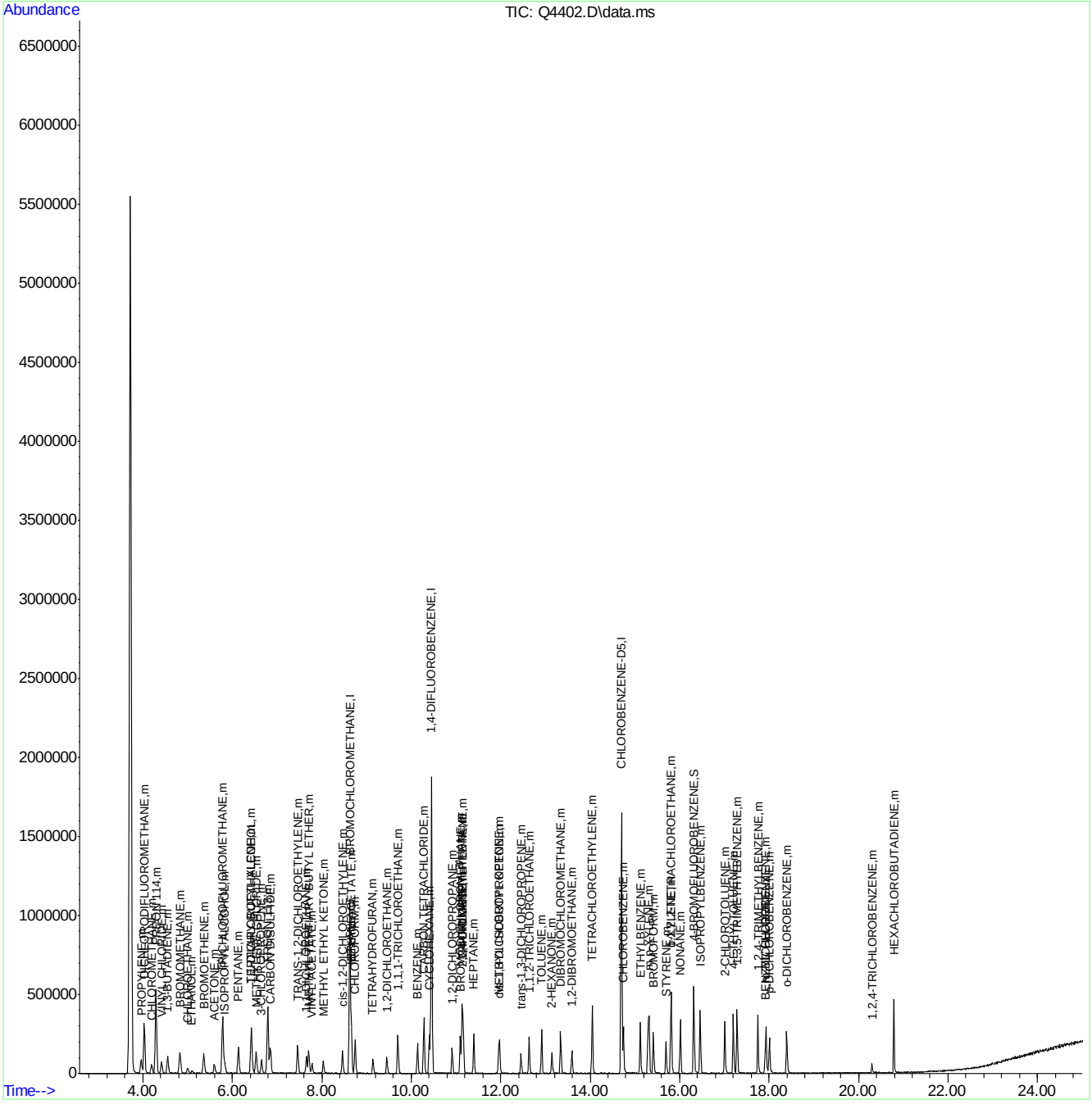
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) METHYL ISOBUTYL KETONE	11.977	43	111594	2.42	PPBV	99
45) cis-1,3-DICHLOROPROPENE	11.956	75	73070	2.13	PPBV	96
46) TOLUENE	12.918	92	106530	2.04	PPBV	99
47) trans-1,3-DICHLOROPROPENE	12.456	75	61248	2.11	PPBV	97
48) 1,1,2-TRICHLOROETHANE	12.635	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

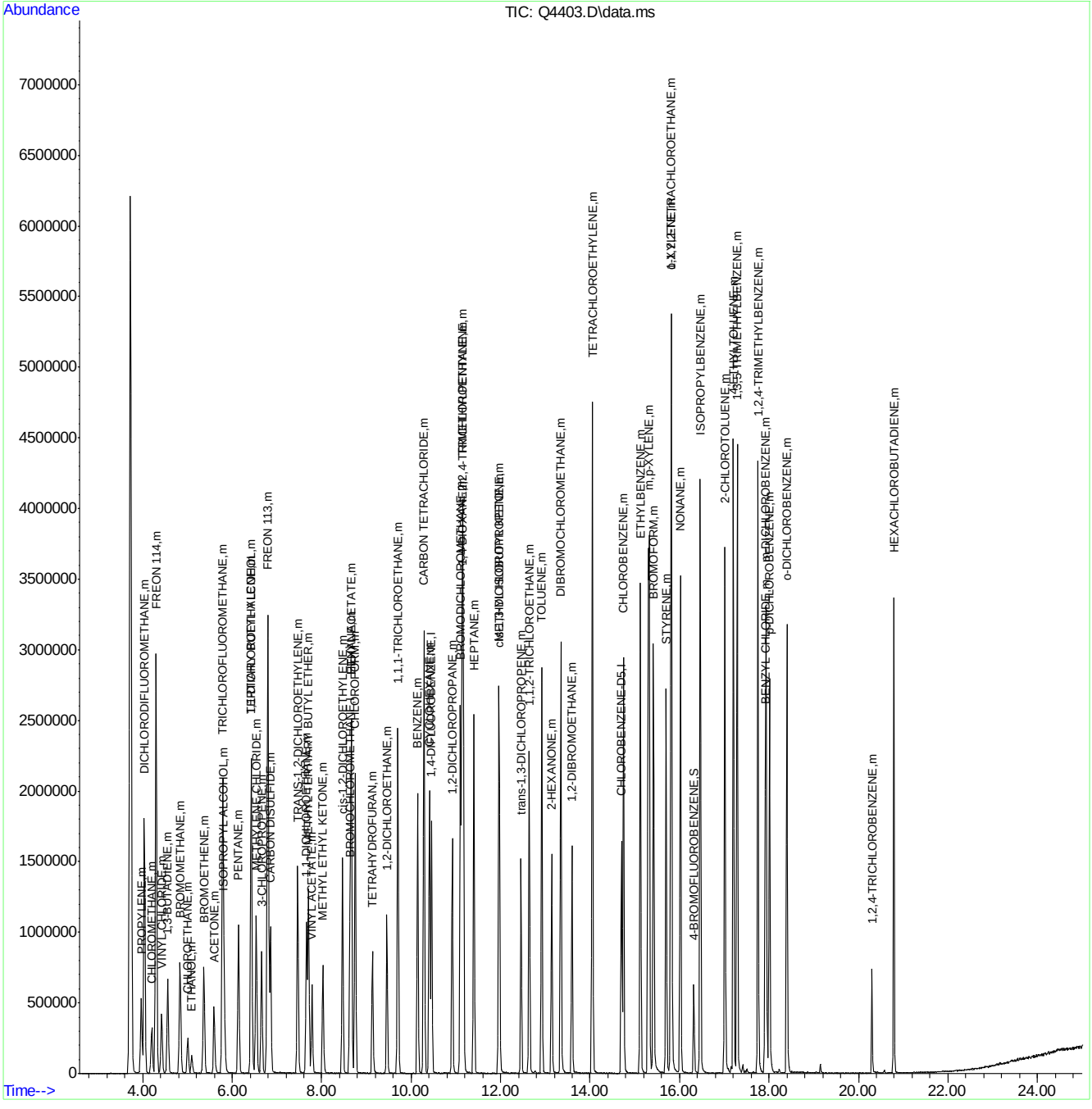
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) METHYL ISOBUTYL KETONE	11.973	43	1145435	25.33	PPBV	99
45) cis-1,3-DICHLOROPROPENE	11.954	75	847843	25.69	PPBV	99
46) TOLUENE	12.919	92	1150518	23.06	PPBV	98
47) trans-1,3-DICHLOROPROPENE	12.454	75	753195	22.06	PPBV	99
48) 1,1,2-TRICHLOROETHANE	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 M67264

Quantitation Report (Qedit)

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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
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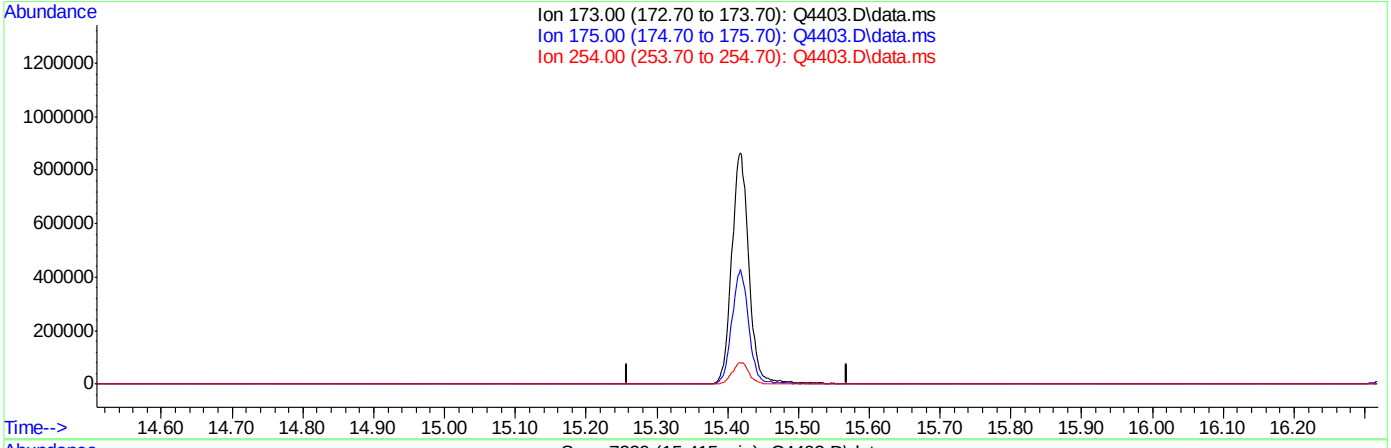
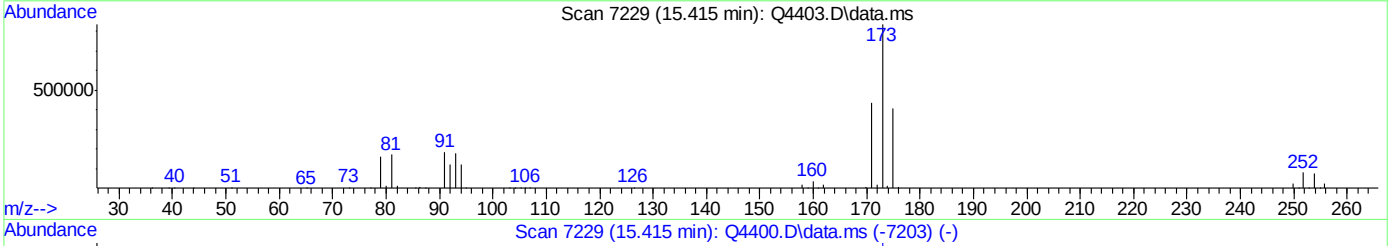
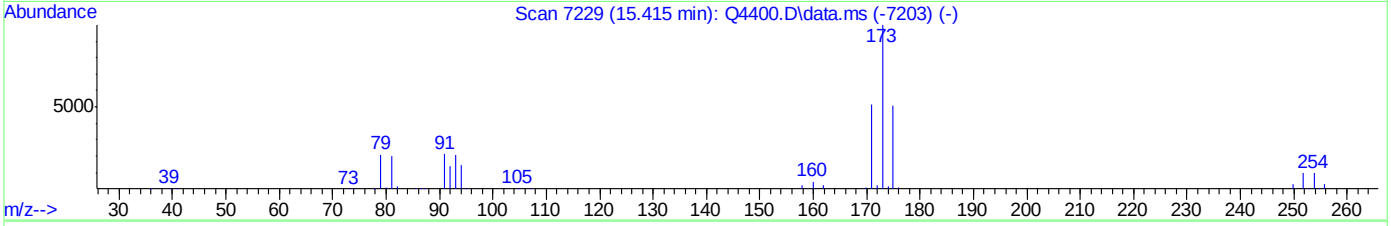






TIC: Q4403.D\data.ms

(60) BROMOFORM (m)

15.414min (-15.414) 0.00PPBV

response 0

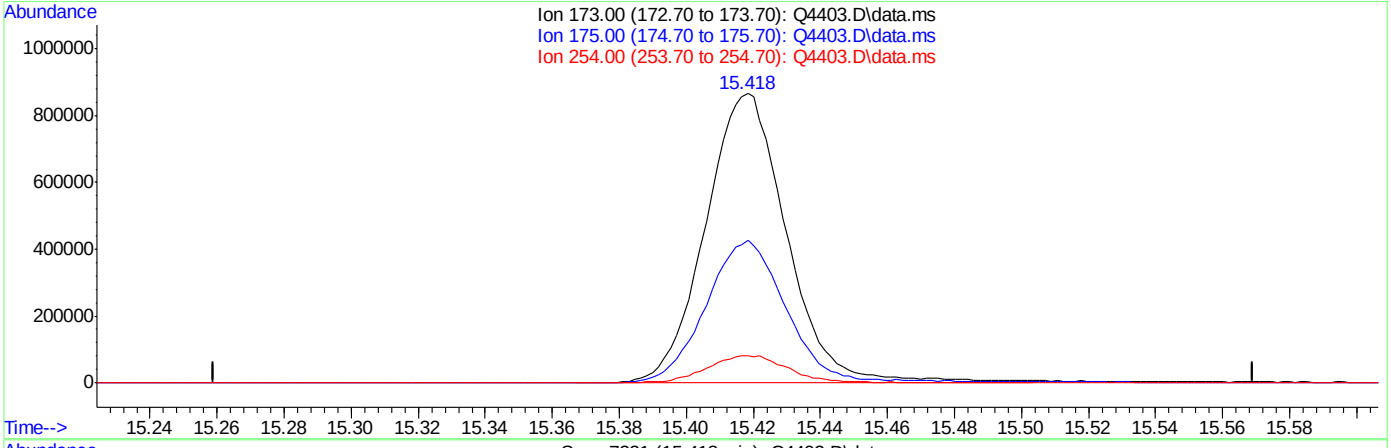
Ion	Exp%	Act%
173.00	100	0.00
175.00	48.70	0.00#
254.00	9.10	0.00
0.00	0.00	0.00

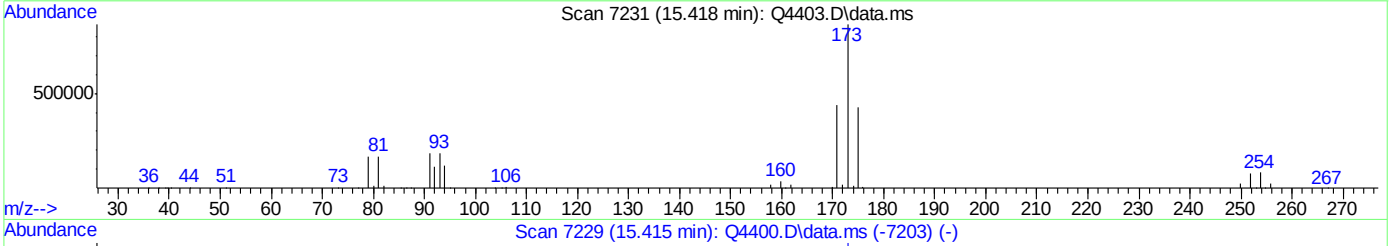
ACCUTEST Laboratories M67264

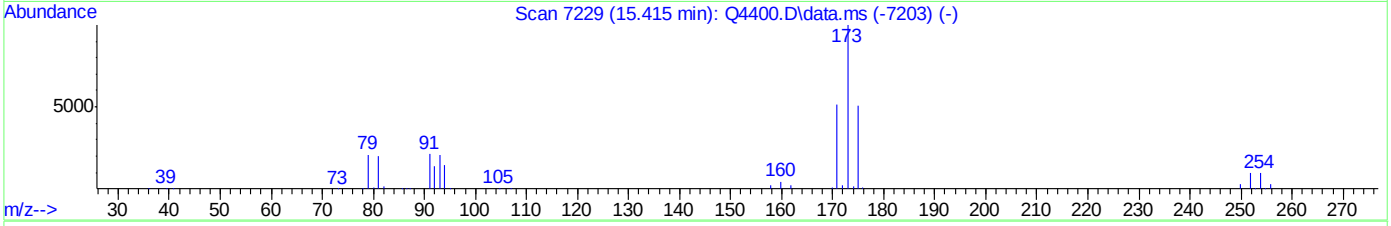
Quantitation Report (Qedit)

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

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

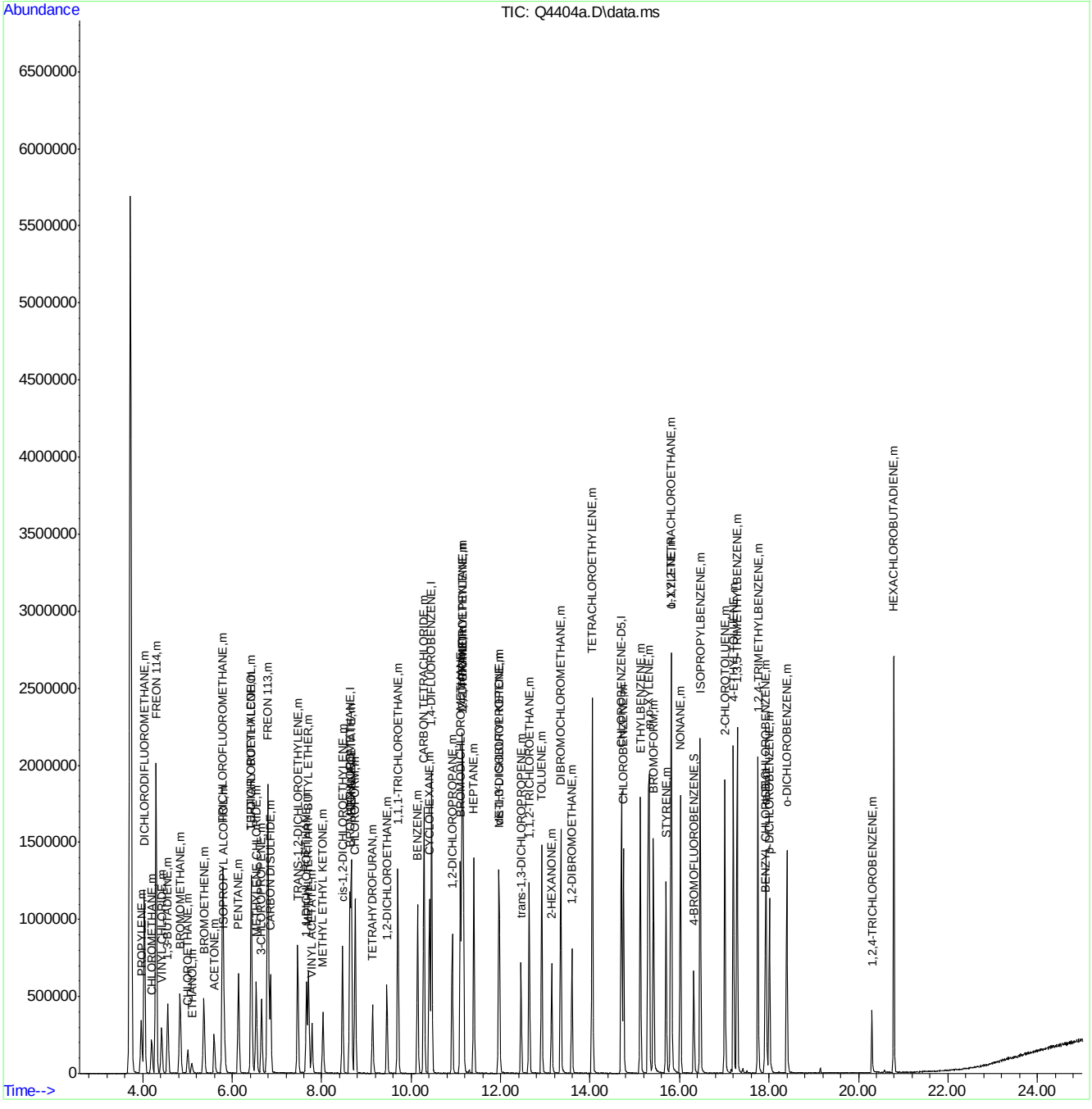
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) METHYL ISOBUTYL KETONE	11.974	43	573393	11.07	PPBV	99
45) cis-1,3-DICHLOROPROPENE	11.956	75	428617	11.41	PPBV	99
46) TOLUENE	12.918	92	577185	10.12	PPBV	100
47) trans-1,3-DICHLOROPROPENE	12.456	75	360743	9.78	PPBV	99
48) 1,1,2-TRICHLOROETHANE	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

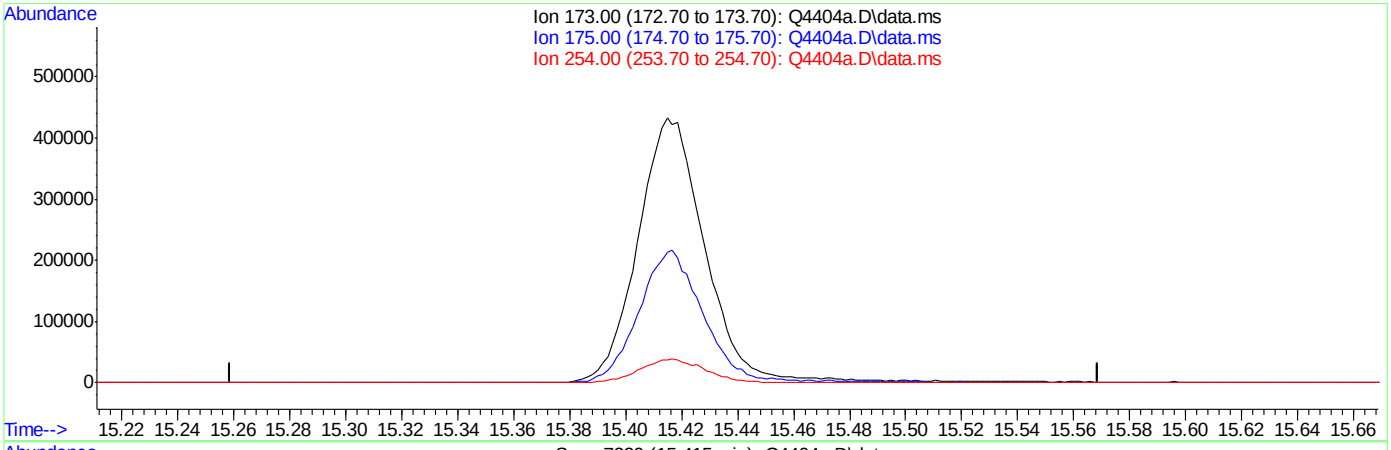


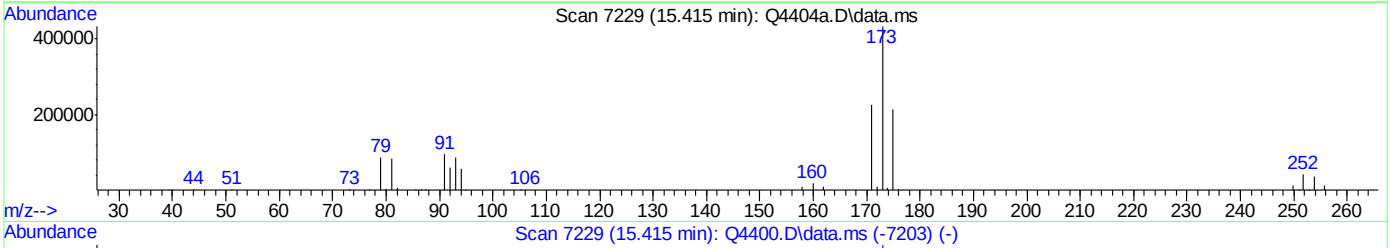
ACCUTEST Laboratories M67264

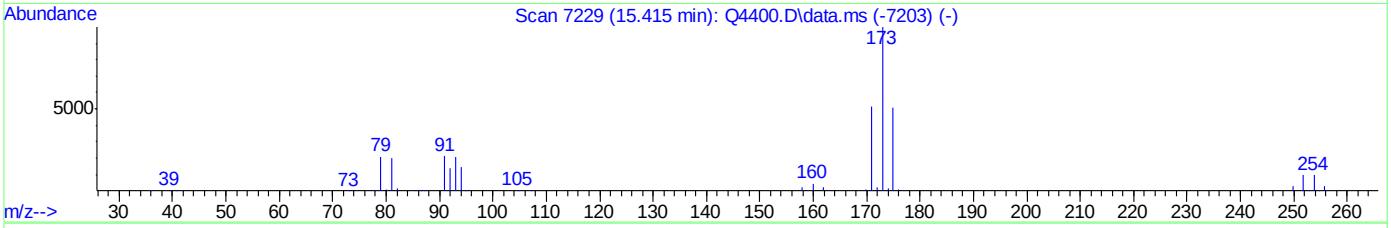
Quantitation Report (Qedit)

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

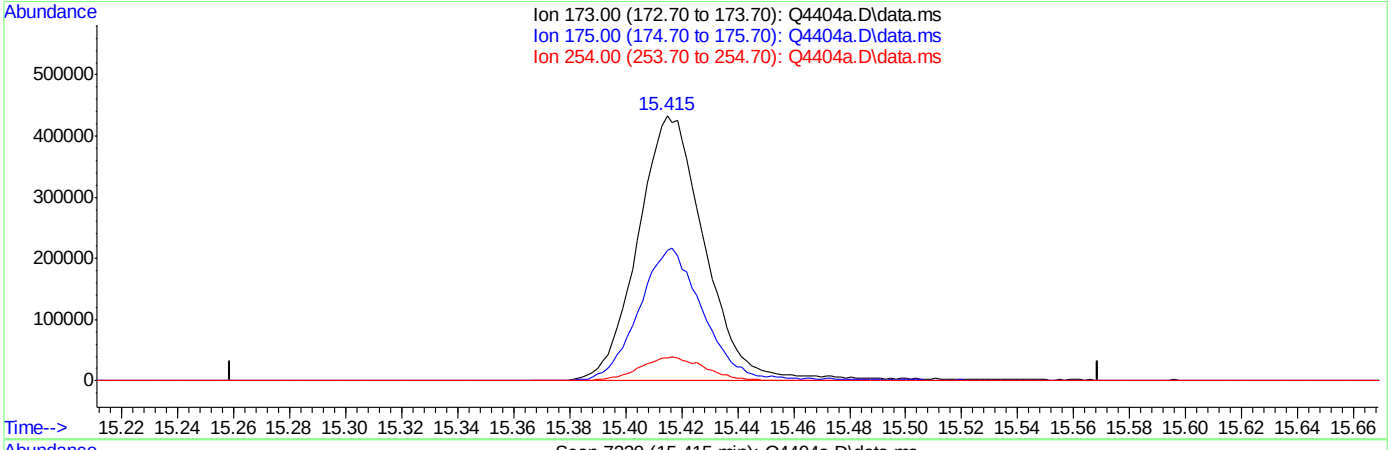
Ion	Exp%	Act%
173.00	100	0.00
175.00	48.70	0.00#
254.00	9.10	0.00
0.00	0.00	0.00

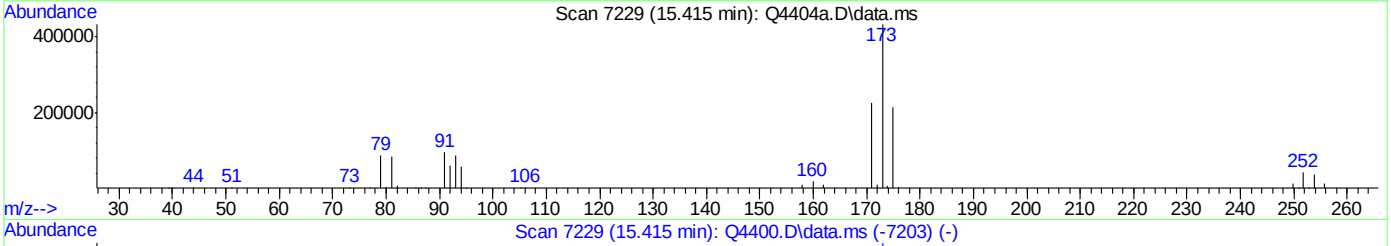
ACCUTEST Laboratories M67264

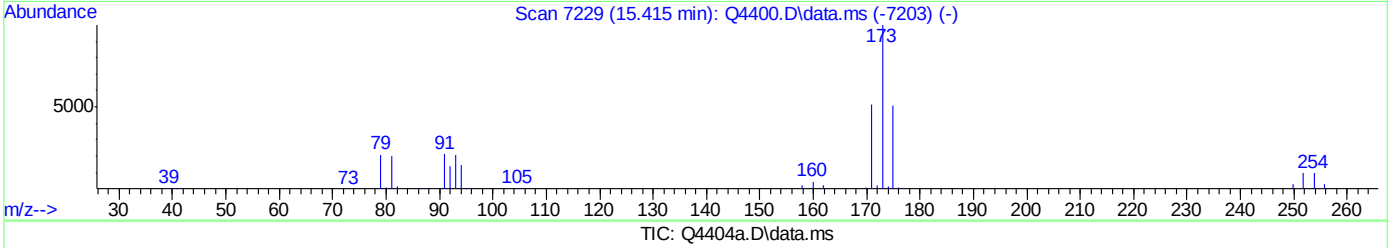
Quantitation Report (Qedit)

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

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

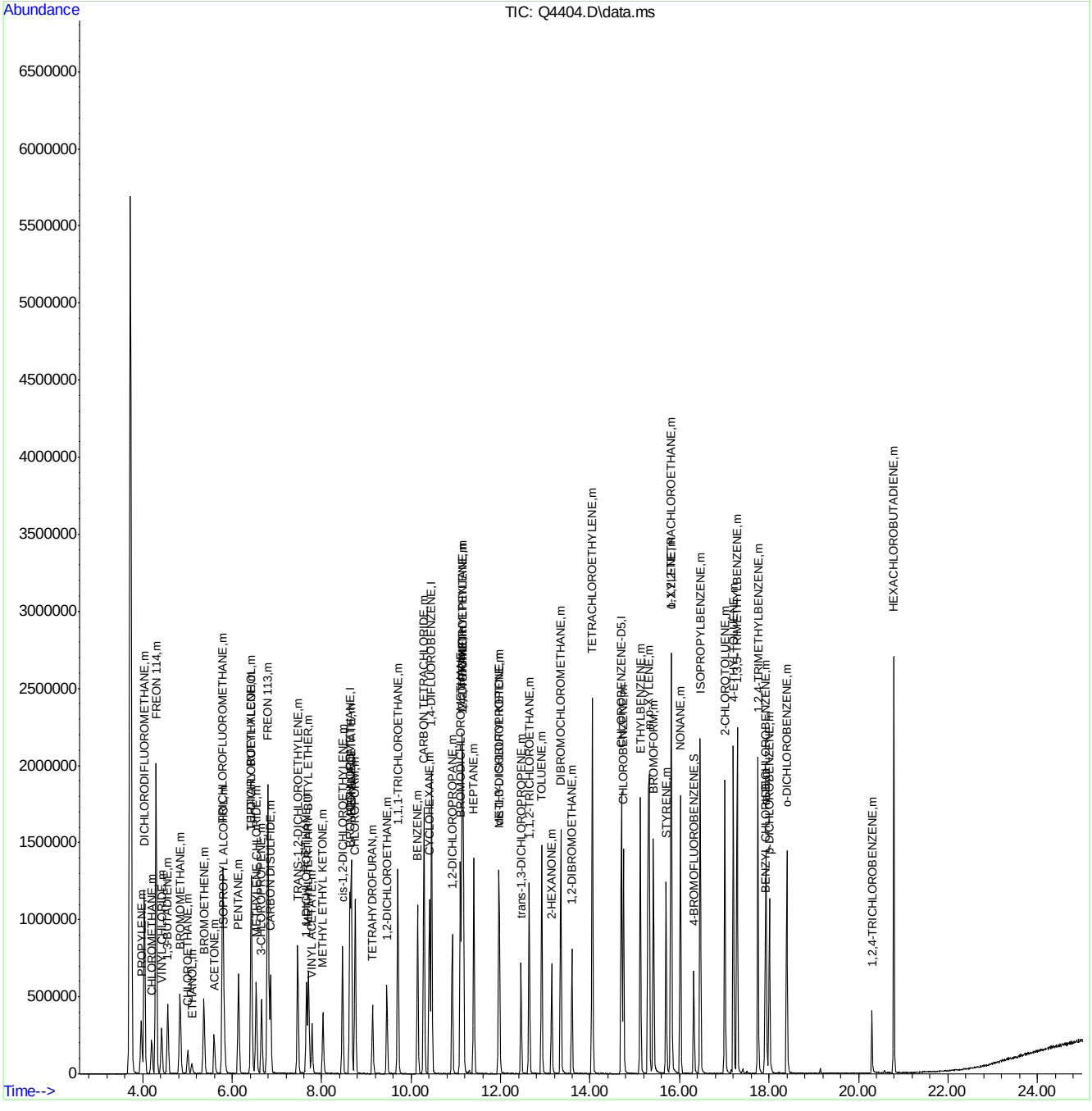
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) METHYL ISOBUTYL KETONE	11.974	43	573393	11.07	PPBV	99
45) cis-1,3-DICHLOROPROPENE	11.956	75	428617	11.41	PPBV	99
46) TOLUENE	12.918	92	577185	10.12	PPBV	100
47) trans-1,3-DICHLOROPROPENE	12.456	75	360743	9.78	PPBV	99
48) 1,1,2-TRICHLOROETHANE	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

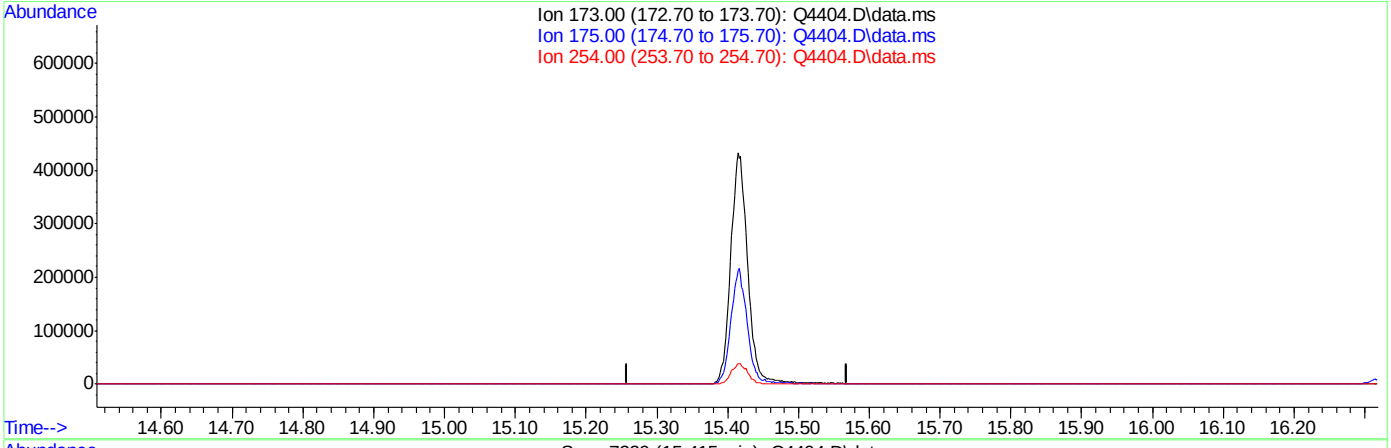


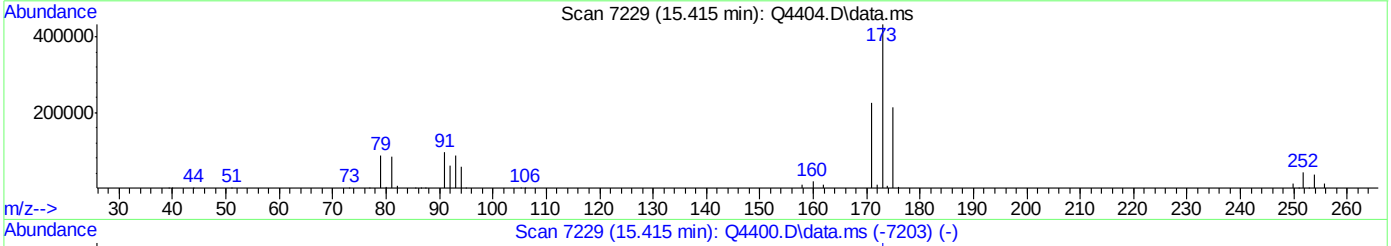
ACCUTEST Laboratories M67264

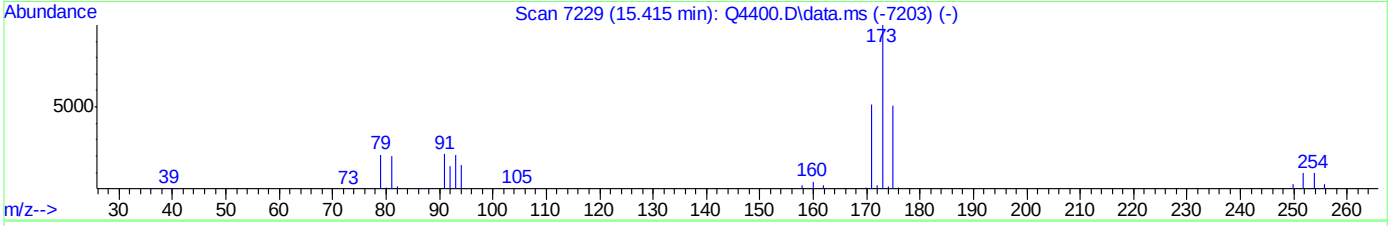
Quantitation Report (Qedit)

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

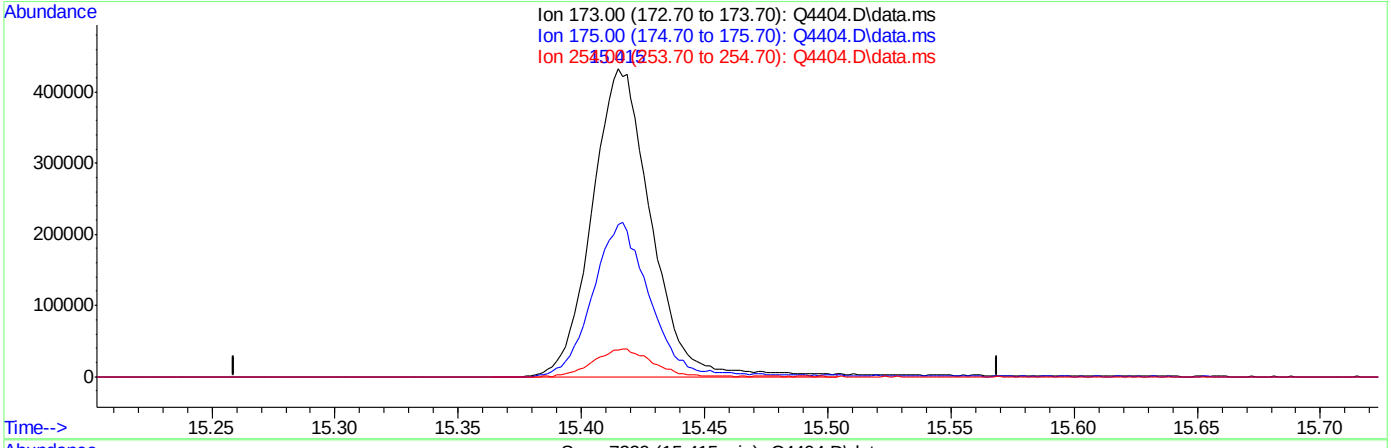
Ion	Exp%	Act%
173.00	100	0.00
175.00	48.70	0.00#
254.00	9.10	0.00
0.00	0.00	0.00

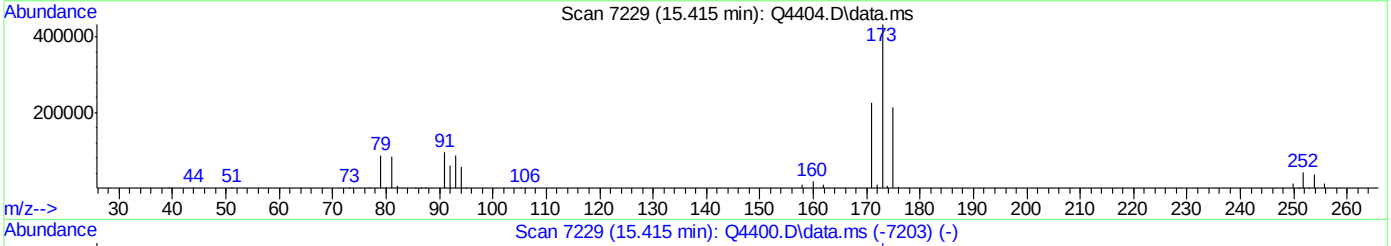
ACCUTEST Laboratories M67264

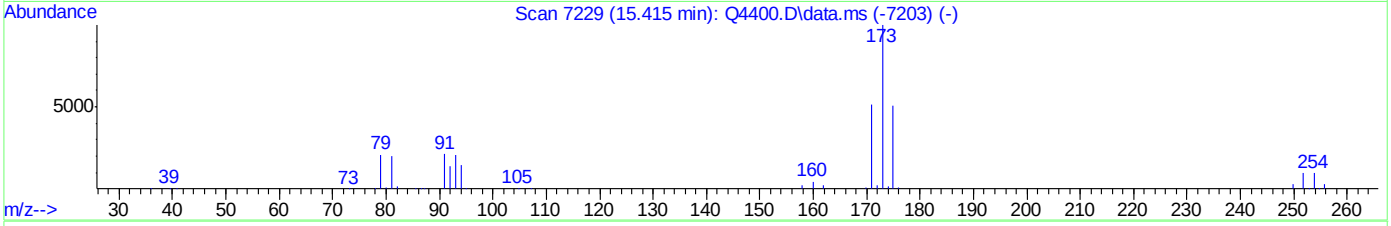
Quantitation Report (Qedit)

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

ACCUTEST Laboratories M67264

Standard Lot #	
Calib STD 1	MSA385
Calib STD 2	MSA386
ICV	MSA384
Inter/Surr STD	AS2265
BS/BSD	MSA384

File ID	
Tune File 1	Q4308
Tune File 2	Q4317A
Initial Cal.	8/16/07
ID FILE	Q081607T.M
Instrument ID	Q
ICAL:	Q4317
Column Type:	RTX-1
Sequence Verified By:	DT 8/17/07

Date:	8/17/2007
Analyst:	DANAT
Batch ID:	msq229
Matrix:	AIR
Approved By:	PHILIPB
Date Approved:	8/20/2007 12:12:08 PM

Data File	Sample ID	Bot #	Work Group #	Test	ALS #	Sample Vol (mls)	Diln Factor	Flow controller ID	Comment
Q4308	IC229-0.5	m065	MSA386	VTO15STD	1		1		
Q4309	IC229-0.2	m065	MSA386	VTO15STD	1		1		
Q4310	IC229-40	m090	MSA385	VTO15STD	2		1		Re-run , internal stds high.
Q4311	IC229-20	m090	MSA385	VTO15STD	2		1		
Q4312	ICC229-10	m090	MSA385	VTO15STD	2		1		
Q4313	IC229-5	m090	MSA385	VTO15STD	2		1		
Q4314	IC229-2	m090	MSA385	VTO15STD	2		1		
Q4315	IC229-40	m090	MSA385	VTO15STD	2		1		
Q4317	ICV229-10	m164	MSA384	VTO15STD	3		1		
Q4317a	CC229-10	m164	MSA384	VTO15STD	3		1		
Q4317b	BS	m164	MSA384	VTO15STD	3		1		
Q4318	MB	m056	NA	VTO15STD	4		1		
Q4318a	SCC	m056	NA	VTO15STD	4		1		
Q4319	M66661-4	m217	MS14093	VTO15STD	14		1		Int stds high , confirms original run.
Q4320	M66661-5	m018	MS14093	VTO15STD	15		1		
Q4321	M66661-6	m219	MS14093	VTO15STD	16		1		Int stds high , confirms original run.
Q4322	M66661-5DUP	m018	MS14093	VTO15STD	15		1		
Q4323	M66761-1	m184	MS14080	VTO15STD	11		100		Re-run @ 50x.
Q4324	M66761-3	m187	MS14080	VTO15STD	12		100		
Q4325	M66761-1	m184	MS14080	VTO15STD	11		50		
Q4326	M66801-1	m220	MS14093	VTO15STD	12		1		Int stds high , confirms original run.
Q4327	SCC	m059	NA	VTO15STD	4		1		Int stds high , RR.
Q4328	SCC	m134	NA	VTO15STD	5		1		Int stds high , RR.
Q4329	SCC	m015	NA	VTO15STD	6		1		Int stds high , RR.
Q4330	SCC	m158	NA	VTO15STD	7		1		

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		

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	VTO15SH	MS14179	9	650	1	
Q4408	M67063-3	M204			12	20	20	
Q4409	M67112-1	M013			13	400	1	
Q4410	M67264-1	M056	VTO15 GEL 1:4	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)

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