New England ACCUTEST Laboratories

IT'S ALL IN THE CHEMISTRY

08/21/07

Technical Report for

GEI Consultants, Inc.

GEI Tufts Street Somerville MA

045162

Accutest Job Number: M66801

Sampling Date: 08/06/07

Report to:

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

ATTN: Raymond Siegener, Ph.D.

Total number of pages in report: **438**

ACCREDITED IN ACCORDANCE WITH nelac

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

Reza Tand
Lab Director

ACCUTEST LABORATORIES 50 YEARS 1956-2006

Client Service contact: Kristen Blanchard 508-481-6200

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

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Test results relate only to samples analyzed.

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Accutest Laboratories

Sample Summary

GEI Consultants, Inc.

Job No: M66801

GEI Tufts Street Somerville MA
Project No: 045162

Sample Number	Collected Date	Time	By	Received	Matrix Code	Type	Client Sample ID
M66801-1	08/06/07	12:20	TAD	08/07/07	AIR	Air	045162-31KNOW1
M66801-2	08/06/07	12:18	TAD	08/07/07	AIR	Air	045162-31KNOWB

SAMPLE DELIVERY GROUP CASE NARRATIVE

Client:	GEI Consultants, Inc.	**Job No**	M66801
Site:	GEI Tufts Street Somerville MA	**Report Date**	8/20/2007 2:24:45 PM

2 Sample(s) were collected on 08/06/2007 and were received at Accutest on 08/07/2007. These Samples received an Accutest job number of M66801. 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:** MSQ225

- All samples were analyzed within the recommended method holding time.
- All method blanks for this batch meet method specific criteria.
- Sample(s) M66661-2DUP were used as the QC samples indicated.
- RPD(s) for Duplicate for Carbon tetrachloride are outside control limits for sample M66661-2DUP. High RPD due to duplicate levels below MDL.
- Sample M66661-2dup, M66801-1 has internal standard outside control limits due to possible matrix interference. Confirmed by reanalysis.

The Accutest Laboratories of New England certifies that all analysis were performed within method specification. It is further recommended that this report to be used in its entirety.The Accutest Laboratories of NE, Laboratory Director or assignee as verified by the signature on the cover page has authorized the release of this report(M66801).

Sample Results

Report of Analysis

Accutest Laboratories

Report of Analysis

Client Sample ID:	045162-31KNOW1		
Lab Sample ID:	M66801-1	**Date Sampled:**	08/06/07
Matrix:	AIR - Air Summa ID: M220	**Date Received:**	08/07/07
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	Q4244.D	1	08/09/07	DFT	n/a	n/a	MSQ225
Run #2	Q4326.D	1	08/17/07	DFT	n/a	n/a	MSQ229

	Initial Volume
Run #1	400 ml
Run #2	400 ml

CAS No.	MW	Compound	Result	RL	Units	Q	Result	RL	Units
75-00-3	64.52	Chloroethane	ND	0.20	ppbv		ND	0.53	ug/m3
56-23-5	153.8	Carbon tetrachloride	ND	0.20	ppbv		ND	1.3	ug/m3
75-34-3	98.96	1,1-Dichloroethane	ND	0.20	ppbv		ND	0.81	ug/m3
75-35-4	96.94	1,1-Dichloroethylene	ND	0.20	ppbv		ND	0.79	ug/m3
107-06-2	98.96	1,2-Dichloroethane	ND	0.20	ppbv		ND	0.81	ug/m3
156-60-5	96.94	trans-1,2-Dichloroethylene	ND	0.20	ppbv		ND	0.79	ug/m3
156-59-2	96.94	cis-1,2-Dichloroethylene	ND	0.20	ppbv		ND	0.79	ug/m3
71-55-6	133.4	1,1,1-Trichloroethane	ND	0.20	ppbv		ND	1.1	ug/m3
79-34-5	167.9	1,1,2,2-Tetrachloroethane	ND	0.20	ppbv		ND	1.4	ug/m3
79-00-5	133.4	1,1,2-Trichloroethane	ND	0.20	ppbv		ND	1.1	ug/m3
127-18-4	165.8	Tetrachloroethylene	ND	0.20	ppbv		ND	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	88%	85%	57-139%

ND = Not detected
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Accutest Laboratories

Report of Analysis

Client Sample ID:	045162-31KNOWB		
Lab Sample ID:	M66801-2	**Date Sampled:**	08/06/07
Matrix:	AIR - Air Summa ID: M004	**Date Received:**	08/07/07
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	Q4245.D	1	08/09/07	DFT	n/a	n/a	MSQ225
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	ND	0.20	ppbv		ND	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	97%		57-139%

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

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

Misc. Forms

Custody Documents and Other Forms

Includes the following where applicable:

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

CHAIN OF CUSTODY

ACCUTEST Laboratories

Air Sampling Field Data Sheet

Lab Quote #

Lab Job # M66801

Client / Reporting Information

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

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

Weather Parameters

Temperature (Fahrenheit)
Start: 75.0 Maximum:
Stop: 81.2 Minimum:

Atmospheric Pressure (inches of Hg)
Start: 29.98 Maximum:
Stop: 29.88 Minimum:

Other weather comment: Cloudy

Requested Analysis

Standard TO-15 Reporting List
MA DEP APH

Lab Sample #	Field ID / Point of Collection	Air Type Indoor(I) Soil Vap(SV) Ambient(A)	Sampling Equipment Info: Canister Serial #	Canister Size 6L or 1L	Flow Controller Serial #	Start Sampling Information: Date	Time (24hr clock)	Canister Pressure ("Hg)	Interior Temp (F)	Sampler Init.	Stop Sampling Information: Date	Time (24hr clock)	Canister Pressure ("Hg)	Interior Temp (F)	Sampler Init.
-1	045162-31KNOW1	I	M220	6	MFC014	8-6-07	811	30	74.0	TAD	8-6-07	1220	5	71.9	TAD
-2	045162-31KNOWB	I	M004	6	MFC006	8-6-07	815	29	74.7	TAD	8-6-07	1218	4	74.3	TAD

Turnaround Time (Business days)

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

Approved By:
Date:

Data Deliverable Information

Comm A
Comm B
Full TI
Other:

Comments / Remarks

See attached list

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

Relinquished by Laboratory:	Date Time:	Received By:	Relinquished By:	Date Time:	Received By:
1 GEI lab	8-6-07 700	1 Tom Daigle	2 Tom Daigle	8-6-07 1300	2 GEI lab
3 Tom Daigle / GEI Fridge	8/7/07 10:05	3 William Akell	4 William Akell	8/7/07 11:02AM	4 William Akell
5		5	Custody Seal #		

SM013-01 (07/14/06)

M66801: Chain of Custody
Page 1 of 2

Substab

~~Indoor~~ Air Sampling Analyte List

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

Summa Canister and Flow Controller Log

Job Number: M66801
Account: GEI GEI Consultants, Inc.
Project: GEI Tufts Street Somerville MA
Received: 08/07/07

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
M220	6	29.4	07/18/07	DFT	CP442	J10883.D	M66801-1	08/09/07	DFT	4.4			1
M004	6	29.4	07/18/07	DFT	CP446	Q3996.D	M66801-2	08/09/07	DFT	4			1

FLOW CONTROLLERS

Shipping					Receiving		
Flow Crtl ID	Date Out	By	cc/ min	Time hrs.	Date In	By	cc/ min
MC014	07/02/07	PB	20	4	08/09/07	DFT	20.8
MC060	06/26/07	PB	20	4	08/09/07	DFT	20.6

Accutest Bottle Order(s):
GEI/7-18-07/TUFTS ST
PB/6-26-07/GEI/TUFTS ST.
PB/7-3-07/GEI/TUFTS ST.

Prep Date	Room Temp(F)	Bar Pres "Hg
07/18/07	70	29.92

Internal Sample Tracking Chronicle

GEI Consultants, Inc.

Job No: M66801

GEI Tufts Street Somerville MA
Project No: 045162

Sample Number	Method	Analyzed	By	Prepped	By	Test Codes
M66801-1	Collected: 06-AUG-07 12:20 By: TAD		Received: 07-AUG-07 By: RS			
045162-31KNOW1						
M66801-1	TO-15	09-AUG-07 22:23	DFT			VTO15STD
M66801-1	TO-15	17-AUG-07 15:27	DFT			VTO15STD
M66801-2	Collected: 06-AUG-07 12:18 By: TAD		Received: 07-AUG-07 By: RS			
045162-31KNOWB						
M66801-2	TO-15	09-AUG-07 23:06	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: M66801
Account: GEI GEI Consultants, Inc.
Project: GEI Tufts Street Somerville MA

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
MSQ225-MB	Q4236.D	1	08/09/07	DFT	n/a	n/a	MSQ225

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

M66801-1, M66801-2

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	85%	57-139%

Method Blank Summary

Job Number: M66801
Account: GEI GEI Consultants, Inc.
Project: GEI Tufts Street Somerville MA

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
MSJ562-MB	J10870.D	1	07/05/07	DFT	n/a	n/a	MSJ562

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

MSJ562-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	90%	57-139%

Method Blank Summary

Job Number: M66801
Account: GEI GEI Consultants, Inc.
Project: GEI Tufts Street Somerville MA

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
MSQ214-MB	Q3986.D	1	07/17/07	DFT	n/a	n/a	MSQ214

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

MSQ214-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	91%	57-139%

Blank Spike Summary

Job Number: M66801
Account: GEI GEI Consultants, Inc.
Project: GEI Tufts Street Somerville MA

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
MSQ225-BS	Q4234A.D	1	08/09/07	DFT	n/a	n/a	MSQ225

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

M66801-1, M66801-2

CAS No.	Compound	Spike ppbv	BSP ppbv	BSP %	Limits
75-00-3	Chloroethane	10	9.4	94	70-130
56-23-5	Carbon tetrachloride	10	12.4	124	70-130
75-34-3	1,1-Dichloroethane	10	10.5	105	70-130
75-35-4	1,1-Dichloroethylene	10	9.4	94	70-130
107-06-2	1,2-Dichloroethane	10	12.1	121	70-130
156-60-5	trans-1,2-Dichloroethylene	10	10.1	101	70-130
156-59-2	cis-1,2-Dichloroethylene	10	11.4	114	70-130
71-55-6	1,1,1-Trichloroethane	10	12.4	124	70-130
79-34-5	1,1,2,2-Tetrachloroethane	10	11.5	115	70-130
79-00-5	1,1,2-Trichloroethane	10	10.8	108	70-130
127-18-4	Tetrachloroethylene	10	11.4	114	70-130
79-01-6	Trichloroethylene	10	11.4	114	70-130
75-01-4	Vinyl chloride	10	8.3	83	70-130

CAS No.	Surrogate Recoveries	BSP	Limits
460-00-4	4-Bromofluorobenzene	96%	57-139%

Blank Spike Summary

Job Number: M66801
Account: GEI GEI Consultants, Inc.
Project: GEI Tufts Street Somerville MA

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
MSJ562-BS	J10868B.D	1	07/05/07	DFT	n/a	n/a	MSJ562

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

MSJ562-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	10.3	103	70-130
75-34-3	1,1-Dichloroethane	10	10.3	103	70-130
75-35-4	1,1-Dichloroethylene	10	10.2	102	70-130
107-06-2	1,2-Dichloroethane	10	11.1	111	70-130
156-60-5	trans-1,2-Dichloroethylene	10	10.5	105	70-130
156-59-2	cis-1,2-Dichloroethylene	10	10.4	104	70-130
71-55-6	1,1,1-Trichloroethane	10	10.3	103	70-130
79-34-5	1,1,2,2-Tetrachloroethane	10	11.6	116	70-130
79-00-5	1,1,2-Trichloroethane	10	11.8	118	70-130
127-18-4	Tetrachloroethylene	10	11.5	115	70-130
79-01-6	Trichloroethylene	10	11.3	113	70-130
75-01-4	Vinyl chloride	10	10.5	105	70-130

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

Blank Spike Summary

Job Number: M66801
Account: GEI GEI Consultants, Inc.
Project: GEI Tufts Street Somerville MA

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
MSQ214-BS	Q3984B.D	1	07/17/07	DFT	n/a	n/a	MSQ214

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

MSQ214-SCC

CAS No.	Compound	Spike ppbv	BSP ppbv	BSP %	Limits
75-00-3	Chloroethane	10	11.4	114	70-130
56-23-5	Carbon tetrachloride	10	11.2	112	70-130
75-34-3	1,1-Dichloroethane	10	10.7	107	70-130
75-35-4	1,1-Dichloroethylene	10	10.5	105	70-130
107-06-2	1,2-Dichloroethane	10	10.2	102	70-130
156-60-5	trans-1,2-Dichloroethylene	10	10.7	107	70-130
156-59-2	cis-1,2-Dichloroethylene	10	10.2	102	70-130
71-55-6	1,1,1-Trichloroethane	10	10.6	106	70-130
79-34-5	1,1,2,2-Tetrachloroethane	10	9.7	97	70-130
79-00-5	1,1,2-Trichloroethane	10	9.2	92	70-130
127-18-4	Tetrachloroethylene	10	9.9	99	70-130
79-01-6	Trichloroethylene	10	10.1	101	70-130
75-01-4	Vinyl chloride	10	10.6	106	70-130

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

Duplicate Summary

Job Number: M66801
Account: GEI GEI Consultants, Inc.
Project: GEI Tufts Street Somerville MA

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
M66661-2DUP	Q4239.D	1	08/09/07	DFT	n/a	n/a	MSQ225
M66661-2	Q4238.D	1	08/09/07	DFT	n/a	n/a	MSQ225

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

M66801-1, M66801-2

CAS No.	Compound	M66661-2 ppbv	Q	DUP ppbv	Q	RPD	Limits
75-00-3	Chloroethane	ND		ND		nc	25
56-23-5	Carbon tetrachloride	0.097	J	ND		200* [a]	25
75-34-3	1,1-Dichloroethane	ND		ND		nc	25
75-35-4	1,1-Dichloroethylene	ND		ND		nc	25
107-06-2	1,2-Dichloroethane	ND		ND		nc	25
156-60-5	trans-1,2-Dichloroethylene	ND		ND		nc	25
156-59-2	cis-1,2-Dichloroethylene	ND		ND		nc	25
71-55-6	1,1,1-Trichloroethane	ND		ND		nc	25
79-34-5	1,1,2,2-Tetrachloroethane	ND		ND		nc	25
79-00-5	1,1,2-Trichloroethane	ND		ND		nc	25
127-18-4	Tetrachloroethylene	0.17	J	0.17	J	0	25
79-01-6	Trichloroethylene	ND		ND		nc	25
75-01-4	Vinyl chloride	ND		ND		nc	25

CAS No.	Surrogate Recoveries	DUP	M66661-2	Limits
460-00-4	4-Bromofluorobenzene	88%	87%	57-139%

(a) High RPD due to duplicate levels below MDL.

Summa Cleaning Certification

Job Number: M66801
Account: GEI GEI Consultants, Inc.
Project: GEI Tufts Street Somerville MA

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
MSJ562-SCC	J10883.D	1	07/06/07	DFT	n/a	n/a	MSJ562

The QC reported here (Summa M220) applies to the following samples: **Method:** TO-15

Batch CP442 cleaned 07/03/07: M66801-1(M220)

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	88%	57-139%

Summa Cleaning Certification

Job Number: M66801
Account: GEI GEI Consultants, Inc.
Project: GEI Tufts Street Somerville MA

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
MSQ214-SCC	Q3992.D	1	07/17/07	DFT	n/a	n/a	MSQ214

The QC reported here (Summa M004) applies to the following samples: **Method:** TO-15

Batch CP446 cleaned 07/10/07: M66801-2(M004)

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	100%	57-139%

Instrument Performance Check (BFB)

Job Number: M66801
Account: GEI GEI Consultants, Inc.
Project: GEI Tufts Street Somerville MA

Sample: MSJ562-BFB
Lab File ID: J10860.D
Instrument ID: GCMSJ
Injection Date: 07/05/07
Injection Time: 10:47

m/e	Ion Abundance Criteria	Raw Abundance	% Relative Abundance		Pass/Fail
50	8.0 - 40.0% of mass 95	19975	21.6		Pass
75	30.0 - 66.0% of mass 95	48614	52.6		Pass
95	Base peak, 100% relative abundance	92470	100.0		Pass
96	5.0 - 9.0% of mass 95	6965	7.5		Pass
173	Less than 2.0% of mass 174	0	0.0	(0.0) [a]	Pass
174	50.0 - 120.0% of mass 95	88639	95.9		Pass
175	4.0 - 9.0% of mass 174	4877	5.3	(5.5) [a]	Pass
176	93.0 - 101.0% of mass 174	84398	91.3	(95.2) [a]	Pass
177	5.0 - 9.0% of mass 176	5762	6.2	(6.8) [b]	Pass

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

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

Lab Sample ID	Lab File ID	Date Analyzed	Time Analyzed	Hours Lapsed	Client Sample ID
MSJ562-IC562	J10860.D	07/05/07	10:47	00:00	Initial cal 0.5
MSJ562-IC562	J10861.D	07/05/07	11:40	00:53	Initial cal 0.2
MSJ562-IC562	J10863.D	07/05/07	13:26	02:39	Initial cal 40
MSJ562-IC562	J10864.D	07/05/07	14:22	03:35	Initial cal 20
MSJ562-ICC562	J10865.D	07/05/07	15:15	04:28	Initial cal 10
MSJ562-IC562	J10866.D	07/05/07	16:08	05:21	Initial cal 5
MSJ562-IC562	J10867.D	07/05/07	16:59	06:12	Initial cal 2
MSJ562-ICV562	J10868.D	07/05/07	17:56	07:09	Initial cal verification 10

Instrument Performance Check (BFB)

Job Number: M66801
Account: GEI GEI Consultants, Inc.
Project: GEI Tufts Street Somerville MA

Sample: MSJ562-BFB
Lab File ID: J10868A.D
Instrument ID: GCMSJ
Injection Date: 07/05/07
Injection Time: 17:56

m/e	Ion Abundance Criteria	Raw Abundance	% Relative Abundance		Pass/Fail
50	8.0 - 40.0% of mass 95	47380	20.7		Pass
75	30.0 - 66.0% of mass 95	114612	50.0		Pass
95	Base peak, 100% relative abundance	229440	100.0		Pass
96	5.0 - 9.0% of mass 95	17680	7.7		Pass
173	Less than 2.0% of mass 174	0	0.0	(0.0) [a]	Pass
174	50.0 - 120.0% of mass 95	218688	95.3		Pass
175	4.0 - 9.0% of mass 174	10052	4.4	(4.6) [a]	Pass
176	93.0 - 101.0% of mass 174	212064	92.4	(97.0) [a]	Pass
177	5.0 - 9.0% of mass 176	14698	6.4	(6.9) [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
MSJ562-CC562	J10868A.D	07/05/07	17:56	00:00	Continuing cal 10
MSJ562-BS	J10868B.D	07/05/07	17:56	00:00	Blank Spike
MSJ562-SCC	J10870A.D	07/05/07	19:53	01:57	Summa Cleaning Certification
MSJ562-MB	J10870.D	07/05/07	19:53	01:57	Method Blank
MSJ562-SCC	J10871.D	07/05/07	20:51	02:55	Summa Cleaning Certification
MSJ562-SCC	J10872.D	07/05/07	21:47	03:51	Summa Cleaning Certification
MSJ562-SCC	J10873.D	07/05/07	22:39	04:43	Summa Cleaning Certification
MSJ562-SCC	J10874.D	07/05/07	23:32	05:36	Summa Cleaning Certification
MSJ562-SCC	J10875.D	07/06/07	00:25	06:29	Summa Cleaning Certification
MSJ562-SCC	J10876.D	07/06/07	01:18	07:22	Summa Cleaning Certification
MSJ562-SCC	J10877.D	07/06/07	02:10	08:14	Summa Cleaning Certification
MSJ562-SCC	J10878.D	07/06/07	03:02	09:06	Summa Cleaning Certification
MSJ562-SCC	J10879.D	07/06/07	03:54	09:58	Summa Cleaning Certification
MSJ562-SCC	J10880.D	07/06/07	04:44	10:48	Summa Cleaning Certification
MSJ562-SCC	J10881.D	07/06/07	05:36	11:40	Summa Cleaning Certification
MSJ562-SCC	J10882.D	07/06/07	06:28	12:32	Summa Cleaning Certification
MSJ562-SCC	J10883.D	07/06/07	07:20	13:24	Summa Cleaning Certification
MSJ562-SCC	J10885.D	07/06/07	09:47	15:51	Summa Cleaning Certification
MSJ562-SCC	J10886.D	07/06/07	10:37	16:41	Summa Cleaning Certification
MSJ562-SCC	J10887.D	07/06/07	11:29	17:33	Summa Cleaning Certification
M65994-1	J10888.D	07/06/07	12:22	18:26	(used for QC only; not part of job M66801)
M65994-1	J10890.D	07/06/07	14:05	20:09	(used for QC only; not part of job M66801)
ZZZZZZ	J10891.D	07/06/07	14:57	21:01	(unrelated sample)
M65994-1DUP	J10892.D	07/06/07	15:47	21:51	Duplicate

Instrument Performance Check (BFB)

Job Number: M66801
Account: GEI GEI Consultants, Inc.
Project: GEI Tufts Street Somerville MA

Sample: MSQ214-BFB
Lab File ID: Q3977.D
Instrument ID: GCMSQ
Injection Date: 07/16/07
Injection Time: 16:53

m/e	Ion Abundance Criteria	Raw Abundance	% Relative Abundance		Pass/Fail
50	8.0 - 40.0% of mass 95	37567	20.4		Pass
75	30.0 - 66.0% of mass 95	91035	49.5		Pass
95	Base peak, 100% relative abundance	183833	100.0		Pass
96	5.0 - 9.0% of mass 95	11307	6.2		Pass
173	Less than 2.0% of mass 174	121	0.07	(0.07) [a]	Pass
174	50.0 - 120.0% of mass 95	182726	99.4		Pass
175	4.0 - 9.0% of mass 174	12997	7.1	(7.1) [a]	Pass
176	93.0 - 101.0% of mass 174	176070	95.8	(96.4) [a]	Pass
177	5.0 - 9.0% of mass 176	10865	5.9	(6.2) [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
MSQ214-IC214	Q3977.D	07/16/07	16:53	00:00	Initial cal 40
MSQ214-IC214	Q3978.D	07/16/07	17:36	00:43	Initial cal 20
MSQ214-ICC214	Q3979.D	07/16/07	18:18	01:25	Initial cal 10
MSQ214-IC214	Q3980.D	07/16/07	19:01	02:08	Initial cal 5
MSQ214-IC214	Q3981.D	07/16/07	19:44	02:51	Initial cal 2
MSQ214-IC214	Q3982.D	07/16/07	20:26	03:33	Initial cal 0.5
MSQ214-IC214	Q3983.D	07/16/07	21:09	04:16	Initial cal 0.2

Instrument Performance Check (BFB)

Job Number: M66801
Account: GEI GEI Consultants, Inc.
Project: GEI Tufts Street Somerville MA

Sample: MSQ214-BFB
Lab File ID: Q3984.D
Instrument ID: GCMSQ
Injection Date: 07/17/07
Injection Time: 08:45

m/e	Ion Abundance Criteria	Raw Abundance	% Relative Abundance		Pass/Fail
50	8.0 - 40.0% of mass 95	40213	21.2		Pass
75	30.0 - 66.0% of mass 95	102322	54.0		Pass
95	Base peak, 100% relative abundance	189568	100.0		Pass
96	5.0 - 9.0% of mass 95	12344	6.5		Pass
173	Less than 2.0% of mass 174	0	0.0	(0.0) [a]	Pass
174	50.0 - 120.0% of mass 95	184490	97.3		Pass
175	4.0 - 9.0% of mass 174	13823	7.3	(7.5) [a]	Pass
176	93.0 - 101.0% of mass 174	175296	92.5	(95.0) [a]	Pass
177	5.0 - 9.0% of mass 176	11417	6.0	(6.5) [b]	Pass

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

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

Lab Sample ID	Lab File ID	Date Analyzed	Time Analyzed	Hours Lapsed	Client Sample ID
MSQ214-ICV214	Q3984.D	07/17/07	08:45	00:00	Initial cal verification 10
MSQ214-CC214	Q3984A.D	07/17/07	08:45	00:00	Continuing cal 10
MSQ214-BS	Q3984B.D	07/17/07	08:45	00:00	Blank Spike
MSQ214-MB	Q3986.D	07/17/07	10:09	01:24	Method Blank
MSQ214-SCC	Q3986A.D	07/17/07	10:09	01:24	Summa Cleaning Certification
MSQ214-SCC	Q3990.D	07/17/07	13:01	04:16	Summa Cleaning Certification
MSQ214-SCC	Q3991.D	07/17/07	13:44	04:59	Summa Cleaning Certification
MSQ214-SCC	Q3992.D	07/17/07	14:27	05:42	Summa Cleaning Certification
MSQ214-SCC	Q3993.D	07/17/07	15:11	06:26	Summa Cleaning Certification
MSQ214-SCC	Q3994.D	07/17/07	15:54	07:09	Summa Cleaning Certification
MSQ214-SCC	Q3995.D	07/17/07	16:39	07:54	Summa Cleaning Certification
MSQ214-SCC	Q3996.D	07/17/07	17:22	08:37	Summa Cleaning Certification
M66000-1R	Q3997.D	07/17/07	18:04	09:19	(used for QC only; not part of job M66801)
M66000-1RDUP	Q3998.D	07/17/07	18:48	10:03	Duplicate
ZZZZZZ	Q3999.D	07/17/07	19:31	10:46	(unrelated sample)
ZZZZZZ	Q4001.D	07/17/07	20:58	12:13	(unrelated sample)

Instrument Performance Check (BFB)

Job Number: M66801
Account: GEI GEI Consultants, Inc.
Project: GEI Tufts Street Somerville MA

Sample: MSQ223-BFB
Lab File ID: Q4200.D
Instrument ID: GCMSQ
Injection Date: 08/07/07
Injection Time: 11:13

m/e	Ion Abundance Criteria	Raw Abundance	% Relative Abundance		Pass/Fail
50	8.0 - 40.0% of mass 95	36573	23.5		Pass
75	30.0 - 66.0% of mass 95	88458	56.8		Pass
95	Base peak, 100% relative abundance	155797	100.0		Pass
96	5.0 - 9.0% of mass 95	10908	7.0		Pass
173	Less than 2.0% of mass 174	0	0.0	(0.0) [a]	Pass
174	50.0 - 120.0% of mass 95	128037	82.2		Pass
175	4.0 - 9.0% of mass 174	9810	6.3	(7.7) [a]	Pass
176	93.0 - 101.0% of mass 174	125312	80.4	(97.9) [a]	Pass
177	5.0 - 9.0% of mass 176	8094	5.2	(6.5) [b]	Pass

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

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

Lab Sample ID	Lab File ID	Date Analyzed	Time Analyzed	Hours Lapsed	Client Sample ID
MSQ223-IC223	Q4200.D	08/07/07	11:13	00:00	Initial cal 0.5
MSQ223-IC223	Q4201.D	08/07/07	11:59	00:46	Initial cal 0.2
MSQ223-IC223	Q4202.D	08/07/07	12:43	01:30	Initial cal 40
MSQ223-IC223	Q4203.D	08/07/07	13:28	02:15	Initial cal 20
MSQ223-ICC223	Q4204.D	08/07/07	14:14	03:01	Initial cal 10
MSQ223-IC223	Q4205.D	08/07/07	15:01	03:48	Initial cal 5
MSQ223-IC223	Q4206.D	08/07/07	15:50	04:37	Initial cal 2
MSQ223-ICV223	Q4209.D	08/08/07	09:36	22:23	Initial cal verification 10

Instrument Performance Check (BFB)

Job Number: M66801
Account: GEI GEI Consultants, Inc.
Project: GEI Tufts Street Somerville MA

Sample: MSQ225-BFB
Lab File ID: Q4234.D
Instrument ID: GCMSQ
Injection Date: 08/09/07
Injection Time: 14:36

m/e	Ion Abundance Criteria	Raw Abundance	% Relative Abundance		Pass/Fail
50	8.0 - 40.0% of mass 95	22672	26.2		Pass
75	30.0 - 66.0% of mass 95	53464	61.7		Pass
95	Base peak, 100% relative abundance	86664	100.0		Pass
96	5.0 - 9.0% of mass 95	5123	5.9		Pass
173	Less than 2.0% of mass 174	0	0.0	(0.0) [a]	Pass
174	50.0 - 120.0% of mass 95	75544	87.2		Pass
175	4.0 - 9.0% of mass 174	5537	6.4	(7.3) [a]	Pass
176	93.0 - 101.0% of mass 174	73472	84.8	(97.3) [a]	Pass
177	5.0 - 9.0% of mass 176	5158	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
MSQ225-CC223	Q4234.D	08/09/07	14:36	00:00	Continuing cal 10
MSQ225-BS	Q4234A.D	08/09/07	14:36	00:00	Blank Spike
MSQ225-MB	Q4236.D	08/09/07	16:38	02:02	Method Blank
ZZZZZZ	Q4237.D	08/09/07	17:25	02:49	(unrelated sample)
M66661-2	Q4238.D	08/09/07	18:08	03:32	(used for QC only; not part of job M66801)
M66661-2DUP	Q4239.D	08/09/07	18:50	04:14	Duplicate
ZZZZZZ	Q4240.D	08/09/07	19:33	04:57	(unrelated sample)
ZZZZZZ	Q4241.D	08/09/07	20:15	05:39	(unrelated sample)
ZZZZZZ	Q4243.D	08/09/07	21:41	07:05	(unrelated sample)
M66801-1	Q4244.D	08/09/07	22:23	07:47	045162-31KNOW1
M66801-2	Q4245.D	08/09/07	23:06	08:30	045162-31KNOWB
ZZZZZZ	Q4246.D	08/09/07	23:48	09:12	(unrelated sample)
ZZZZZZ	Q4247.D	08/10/07	00:30	09:54	(unrelated sample)
ZZZZZZ	Q4248.D	08/10/07	01:12	10:36	(unrelated sample)
ZZZZZZ	Q4249.D	08/10/07	01:55	11:19	(unrelated sample)
ZZZZZZ	Q4251.D	08/10/07	14:04	23:28	(unrelated sample)

Instrument Performance Check (BFB)

Job Number: M66801
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: M66801
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 M66801)
ZZZZZZ	Q4321.D	08/17/07	11:47	02:59	(unrelated sample)
M66661-5DUP	Q4322.D	08/17/07	12:31	03:43	Duplicate
M66801-1	Q4326.D	08/17/07	15:27	06:39	045162-31KNOW1
MSQ229-SCC	Q4330.D	08/17/07	18:30	09:42	Summa Cleaning Certification

Volatile Internal Standard Area Summary

Job Number: M66801
Account: GEI GEI Consultants, Inc.
Project: GEI Tufts Street Somerville MA

Check Std:	MSJ562-CC562	**Injection Date:**	07/05/07
Lab File ID:	J10868A.D	**Injection Time:**	17:56
Instrument ID:	GCMSJ	**Method:**	TO-15

	IS 1 AREA	RT	IS 2 AREA	RT	IS 3 AREA	RT
Check Std	347038	8.60	1501760	10.43	1335133	14.67
Upper Limit [a]	485853	8.93	2102464	10.76	1869186	15.00
Lower Limit [b]	208223	8.27	901056	10.10	801080	14.34

Lab Sample ID	IS 1 AREA	RT	IS 2 AREA	RT	IS 3 AREA	RT
MSJ562-BS	347038	8.60	1501760	10.43	1335133	14.67
MSJ562-SCC	294344	8.61	1133134	10.42	969402	14.66
MSJ562-MB	294344	8.61	1133134	10.42	969402	14.66
MSJ562-SCC	294169	8.59	1114530	10.42	964213	14.66
MSJ562-SCC	329350	8.61	1354559	10.42	1181161	14.66
MSJ562-SCC	323703	8.60	1285820	10.42	1150732	14.66
MSJ562-SCC	280578	8.62	1016162	10.43	911895	14.67
MSJ562-SCC	327828	8.61	1276874	10.42	1150146	14.66
MSJ562-SCC	322604	8.62	1280014	10.43	1148696	14.66
MSJ562-SCC	322133	8.61	1258108	10.43	1127027	14.66
MSJ562-SCC	324117	8.60	1259480	10.42	1131688	14.66
MSJ562-SCC	295333	8.62	1105346	10.43	958091	14.66
MSJ562-SCC	326597	8.61	1277512	10.43	1140663	14.66
MSJ562-SCC	321143	8.61	1250061	10.43	1099502	14.66
MSJ562-SCC	326078	8.62	1269000	10.43	1117672	14.67
MSJ562-SCC	315751	8.60	1203042	10.42	1088013	14.66
MSJ562-SCC	329318	8.62	1279216	10.44	1161712	14.67
MSJ562-SCC	331649	8.62	1287275	10.43	1186205	14.67
MSJ562-SCC	334082	8.62	1294221	10.43	1156038	14.66
M65994-1	343201	8.62	1377355	10.44	1230677	14.67
M65994-1	346884	8.62	1444823	10.43	1339609	14.67
ZZZZZZ	322389	8.62	1282083	10.43	1124486	14.67
M65994-1DUP	313094	8.62	1185553	10.44	1101242	14.67

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: M66801
Account: GEI GEI Consultants, Inc.
Project: GEI Tufts Street Somerville MA

Check Std:	MSQ214-CC214	**Injection Date:**	07/17/07
Lab File ID:	Q3984A.D	**Injection Time:**	08:45
Instrument ID:	GCMSQ	**Method:**	TO-15

	IS 1 AREA	RT	IS 2 AREA	RT	IS 3 AREA	RT
Check Std	198360	8.63	902151	10.46	781705	14.71
Upper Limit [a]	277704	8.96	1263011	10.79	1094387	15.04
Lower Limit [b]	119016	8.30	541291	10.13	469023	14.38

Lab Sample ID	IS 1 AREA	RT	IS 2 AREA	RT	IS 3 AREA	RT
MSQ214-BS	198360	8.63	902151	10.46	781705	14.71
MSQ214-MB	220566	8.63	986337	10.46	863843	14.70
MSQ214-SCC	220566	8.63	986337	10.46	863843	14.70
MSQ214-SCC	236761	8.63	1093738	10.46	913225	14.71
MSQ214-SCC	230475	8.63	1086133	10.46	911320	14.71
MSQ214-SCC	226928	8.63	1028230	10.46	881765	14.70
MSQ214-SCC	215083	8.63	998215	10.46	842492	14.70
MSQ214-SCC	214066	8.63	1008316	10.46	850961	14.70
MSQ214-SCC	205762	8.69	989502	10.50	833718	14.72
MSQ214-SCC	208441	8.63	990841	10.46	837512	14.70
M66000-1R	210606	8.63	989081	10.46	866919	14.71
M66000-1RDUP	225936	8.63	1060985	10.46	899670	14.70
ZZZZZZ	215281	8.56	990346	10.44	816031	14.71
ZZZZZZ	182276	8.67	862965	10.48	730052	14.71

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

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

Volatile Internal Standard Area Summary

Job Number: M66801
Account: GEI GEI Consultants, Inc.
Project: GEI Tufts Street Somerville MA

Check Std:	MSQ225-CC223	**Injection Date:**	08/09/07
Lab File ID:	Q4234.D	**Injection Time:**	14:36
Instrument ID:	GCMSQ	**Method:**	TO-15

	IS 1 AREA	RT	IS 2 AREA	RT	IS 3 AREA	RT
Check Std	90887	8.63	432071	10.46	379287	14.70
Upper Limit [a]	127242	8.96	604899	10.79	531002	15.03
Lower Limit [b]	54532	8.30	259243	10.13	227572	14.37

Lab Sample ID	IS 1 AREA	RT	IS 2 AREA	RT	IS 3 AREA	RT
MSQ225-BS	90887	8.63	432071	10.46	379287	14.70
MSQ225-MB	109635	8.63	472410	10.46	380779	14.70
ZZZZZZ	119314	8.63	499090	10.46	419433	14.70
M66661-2	134408[c]	8.63	590215	10.46	510148	14.70
M66661-2DUP	142996[c]	8.63	611671[c]	10.46	514000[c]	14.70
ZZZZZZ	160603[c]	8.63	701860[c]	10.46	584434[c]	14.70
ZZZZZZ	161639[c]	8.63	674427[c]	10.46	570331[c]	14.70
ZZZZZZ	136555[c]	8.63	580108	10.46	491608	14.70
M66801-1	140041[c]	8.63	577966	10.46	481992	14.70
M66801-2	124120	8.63	531477	10.46	461302	14.70
ZZZZZZ	55106	8.63	234614[c]	10.46	187868[c]	14.70
ZZZZZZ	51789[c]	8.63	223536[c]	10.46	186688[c]	14.70
ZZZZZZ	118977	8.63	491815	10.46	422822	14.70
ZZZZZZ	124167	8.63	510848	10.46	445689	14.70
ZZZZZZ	135691[c]	8.63	595385	10.46	516016	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: M66801
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
M66801-1	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.

Initial Calibration Retention Time/Internal Standard Area Summary

Job Number: M66801
Account: GEI GEI Consultants, Inc.
Project: GEI Tufts Street Somerville MA

Sample Number	Lab File ID	Injected	By	Level	Inst ID	Method	
MSJ562-IC562	J10860.D	07/05/07 10:47	DFT	0.5	GCMSJ	TO-15	Reporting this level
MSJ562-IC562	J10861.D	07/05/07 11:40	DFT	0.2	GCMSJ	TO-15	
MSJ562-IC562	J10863.D	07/05/07 13:26	DFT	40	GCMSJ	TO-15	
MSJ562-IC562	J10864.D	07/05/07 14:22	DFT	20	GCMSJ	TO-15	
MSJ562-ICC562	J10865.D	07/05/07 15:15	DFT	10	GCMSJ	TO-15	
MSJ562-IC562	J10866.D	07/05/07 16:08	DFT	5	GCMSJ	TO-15	
MSJ562-IC562	J10867.D	07/05/07 16:59	DFT	2	GCMSJ	TO-15	

Target Compound	RT (min.)	Istd RT (min.)	Rel RT		Mean Rel RT	Rel RT Range (+/- .06)
Acetone	5.69	8.62	0.660	ok	0.658	0.598-0.718
1,3-Butadiene	4.58	8.62	0.531	ok	0.531	0.471-0.591
Benzene	10.12	10.44	0.969	ok	0.970	0.910-1.030
Bromodichloromethane	11.09	10.44	1.062	ok	1.062	1.002-1.122
Bromoform	15.39	14.67	1.049	ok	1.050	0.990-1.110
Bromomethane	4.86	8.62	0.564	ok	0.563	0.503-0.623
Bromoethene	5.38	8.62	0.624	ok	0.624	0.564-0.684
Benzyl Chloride	17.89	14.67	1.219	ok	1.219	1.159-1.279
Carbon disulfide	6.84	8.62	0.794	ok	0.794	0.734-0.854
Chlorobenzene	14.71	14.67	1.003	ok	1.003	0.943-1.063
Chloroethane	5.03	8.62	0.584	ok	0.583	0.523-0.643
Chloroform	8.74	8.62	1.014	ok	1.014	0.954-1.074
Chloromethane	4.23	8.62	0.491	ok	0.491	0.431-0.551
3-Chloropropene	6.66	8.62	0.773	ok	0.772	0.712-0.832
2-Chlorotoluene	16.98	14.67	1.157	ok	1.158	1.098-1.218
Carbon tetrachloride	10.25	8.62	1.189	ok	1.190	1.130-1.250
Cyclohexane	10.37	10.44	0.993	ok	0.993	0.933-1.053
1,1-Dichloroethane	7.65	8.62	0.887	ok	0.887	0.827-0.947
1,1-Dichloroethylene	6.43	8.62	0.746	ok	0.745	0.685-0.805
1,2-Dibromoethane	13.57	14.67	0.925	ok	0.925	0.865-0.985
1,2-Dichloroethane	9.45	8.62	1.096	ok	1.096	1.036-1.156
1,2-Dichloropropane	10.90	10.44	1.044	ok	1.044	0.984-1.104
1,4-Dioxane	11.28	10.44	1.080	ok	1.074	1.014-1.134
Dichlorodifluoromethane	4.06	8.62	0.471	ok	0.472	0.412-0.532
Dibromochloromethane	13.32	14.67	0.908	ok	0.908	0.848-0.968
trans-1,2-Dichloroethylene	7.45	8.62	0.864	ok	0.864	0.804-0.924
cis-1,2-Dichloroethylene	8.46	8.62	0.981	ok	0.981	0.921-1.041
cis-1,3-Dichloropropene	11.94	10.44	1.144	ok	1.144	1.084-1.204
m-Dichlorobenzene	17.90	14.67	1.220	ok	1.220	1.160-1.280
o-Dichlorobenzene	18.37	14.67	1.252	ok	1.252	1.192-1.312
p-Dichlorobenzene	17.98	14.67	1.226	ok	1.226	1.166-1.286
trans-1,3-Dichloropropene	12.44	10.44	1.192	ok	1.193	1.133-1.253
Ethanol	5.32	8.62	0.617	ok	0.608	0.548-0.668
Ethylbenzene	15.09	14.67	1.029	ok	1.029	0.969-1.089
Ethyl Acetate	8.71	8.62	1.010	ok	1.010	0.950-1.070
4-Ethyltoluene	17.16	14.67	1.170	ok	1.170	1.110-1.230
Freon 113	6.79	8.62	0.788	ok	0.787	0.727-0.847
Freon 114	4.33	8.62	0.502	ok	0.501	0.441-0.561
Heptane	11.36	10.44	1.088	ok	1.088	1.028-1.148
Hexachlorobutadiene	20.76	14.67	1.415	ok	1.415	1.355-1.475
Hexane	8.63	8.62	1.001	ok	1.001	0.941-1.061

Initial Calibration Retention Time/Internal Standard Area Summary

Job Number: M66801
Account: GEI GEI Consultants, Inc.
Project: GEI Tufts Street Somerville MA

Sample Number	Lab File ID	Injected	By	Level	Inst ID	Method	
MSJ562-IC562	J10860.D	07/05/07 10:47	DFT	0.5	GCMSJ	TO-15	Reporting this level
MSJ562-IC562	J10861.D	07/05/07 11:40	DFT	0.2	GCMSJ	TO-15	
MSJ562-IC562	J10863.D	07/05/07 13:26	DFT	40	GCMSJ	TO-15	
MSJ562-IC562	J10864.D	07/05/07 14:22	DFT	20	GCMSJ	TO-15	
MSJ562-ICC562	J10865.D	07/05/07 15:15	DFT	10	GCMSJ	TO-15	
MSJ562-IC562	J10866.D	07/05/07 16:08	DFT	5	GCMSJ	TO-15	
MSJ562-IC562	J10867.D	07/05/07 16:59	DFT	2	GCMSJ	TO-15	

Target Compound	RT (min.)	Istd RT (min.)	Rel RT		Mean Rel RT	Rel RT Range (+/- .06)
2-Hexanone	13.20	14.67	0.900	ok	0.899	0.839-0.959
Isopropylbenzene	16.42	14.67	1.119	ok	1.120	1.060-1.180
Isopropyl Alcohol	6.07	8.62	0.704	ok	0.696	0.636-0.756
Methylene chloride	6.55	8.62	0.760	ok	0.759	0.699-0.819
Methyl ethyl ketone	8.10	8.62	0.940	ok	0.939	0.879-0.999
Methyl Isobutyl Ketone	12.02	10.44	1.151	ok	1.151	1.091-1.211
Methyl Tert Butyl Ether	7.75	8.62	0.899	ok	0.898	0.838-0.958
Nonane	15.97	14.67	1.089	ok	1.088	1.028-1.148
Pentane	6.13	8.62	0.711	ok	0.711	0.651-0.771
Propylene	4.00	8.62	0.464	ok	0.464	0.404-0.524
Styrene	15.67	14.67	1.068	ok	1.068	1.008-1.128
1,1,1-Trichloroethane	9.68	8.62	1.123	ok	1.123	1.063-1.183
1,1,2,2-Tetrachloroethane	15.79	14.67	1.076	ok	1.077	1.017-1.137
1,1,2-Trichloroethane	12.62	10.44	1.209	ok	1.210	1.150-1.270
1,2,4-Trichlorobenzene	20.28	14.67	1.382	ok	1.382	1.322-1.442
1,2,4-Trimethylbenzene	17.72	14.67	1.208	ok	1.208	1.148-1.268
1,3,5-Trimethylbenzene	17.25	14.67	1.176	ok	1.176	1.116-1.236
2,2,4-Trimethylpentane	11.12	10.44	1.065	ok	1.066	1.006-1.126
Tertiary Butyl Alcohol	6.69	8.62	0.776	ok	0.767	0.707-0.827
Tetrachloroethylene	14.01	14.67	0.955	ok	0.955	0.895-1.015
Tetrahydrofuran	9.23	8.62	1.071	ok	1.066	1.006-1.126
Toluene	12.88	10.44	1.234	ok	1.235	1.175-1.295
Trichloroethylene	11.11	10.44	1.064	ok	1.065	1.005-1.125
Trichlorofluoromethane	5.79	8.62	0.672	ok	0.671	0.611-0.731
Vinyl chloride	4.45	8.62	0.516	ok	0.516	0.456-0.576
Vinyl Acetate	7.81	8.62	0.906	ok	0.905	0.845-0.965
m,p-Xylene	15.27	14.67	1.041	ok	1.041	0.981-1.101
o-Xylene	15.78	14.67	1.076	ok	1.076	1.016-1.136

Internal Standard	RT (min.)		Mean RT(min.)	RT Range (+/- 0.33)	Area		Mean Area	Area Range (+/- 40 %)
Bromochloromethane	8.62	ok	8.62	8.29-8.95	309281	ok	333675	200205-467145
1,4-Difluorobenzene	10.44	ok	10.43	10.10-10.76	1310708	ok	1414039	848423-1979655
Chlorobenzene-D5	14.67	ok	14.67	14.34-15.00	1115339	ok	1228766	737260-1720272

Initial Calibration Retention Time/Internal Standard Area Summary

Job Number: M66801
Account: GEI GEI Consultants, Inc.
Project: GEI Tufts Street Somerville MA

Sample Number	Lab File ID	Injected	By	Level	Inst ID	Method	
MSJ562-IC562	J10860.D	07/05/07 10:47	DFT	0.5	GCMSJ	TO-15	
MSJ562-IC562	J10861.D	07/05/07 11:40	DFT	0.2	GCMSJ	TO-15	Reporting this level
MSJ562-IC562	J10863.D	07/05/07 13:26	DFT	40	GCMSJ	TO-15	
MSJ562-IC562	J10864.D	07/05/07 14:22	DFT	20	GCMSJ	TO-15	
MSJ562-ICC562	J10865.D	07/05/07 15:15	DFT	10	GCMSJ	TO-15	
MSJ562-IC562	J10866.D	07/05/07 16:08	DFT	5	GCMSJ	TO-15	
MSJ562-IC562	J10867.D	07/05/07 16:59	DFT	2	GCMSJ	TO-15	

Target Compound	RT (min.)	Istd RT (min.)	Rel RT		Mean Rel RT	Rel RT Range (+/- .06)
Acetone	5.70	8.61	0.662	ok	0.658	0.598-0.718
1,3-Butadiene	4.58	8.61	0.532	ok	0.531	0.471-0.591
Benzene	10.11	10.43	0.969	ok	0.970	0.910-1.030
Bromodichloromethane	11.08	10.43	1.062	ok	1.062	1.002-1.122
Bromoform	15.39	14.66	1.050	ok	1.050	0.990-1.110
Bromomethane	4.84	8.61	0.562	ok	0.563	0.503-0.623
Bromoethene	5.38	8.61	0.625	ok	0.624	0.564-0.684
Benzyl Chloride	17.89	14.66	1.220	ok	1.219	1.159-1.279
Carbon disulfide	6.84	8.61	0.794	ok	0.794	0.734-0.854
Chlorobenzene	14.71	14.66	1.003	ok	1.003	0.943-1.063
Chloroethane	5.02	8.61	0.583	ok	0.583	0.523-0.643
Chloroform	8.73	8.61	1.014	ok	1.014	0.954-1.074
Chloromethane	4.23	8.61	0.491	ok	0.491	0.431-0.551
Carbon tetrachloride	10.25	8.61	1.190	ok	1.190	1.130-1.250
1,1-Dichloroethane	7.65	8.61	0.889	ok	0.887	0.827-0.947
1,1-Dichloroethylene	6.42	8.61	0.746	ok	0.745	0.685-0.805
1,2-Dibromoethane	13.56	14.66	0.925	ok	0.925	0.865-0.985
1,2-Dichloroethane	9.44	8.61	1.096	ok	1.096	1.036-1.156
1,2-Dichloropropane	10.89	10.43	1.044	ok	1.044	0.984-1.104
Dichlorodifluoromethane	4.06	8.61	0.472	ok	0.472	0.412-0.532
Dibromochloromethane	13.32	14.66	0.909	ok	0.908	0.848-0.968
trans-1,2-Dichloroethylene	7.46	8.61	0.866	ok	0.864	0.804-0.924
cis-1,2-Dichloroethylene	8.45	8.61	0.981	ok	0.981	0.921-1.041
m-Dichlorobenzene	17.91	14.66	1.222	ok	1.220	1.160-1.280
o-Dichlorobenzene	18.37	14.66	1.253	ok	1.252	1.192-1.312
p-Dichlorobenzene	17.98	14.66	1.226	ok	1.226	1.166-1.286
Ethyl Acetate	8.73	8.61	1.014	ok	1.010	0.950-1.070
Freon 113	6.78	8.61	0.787	ok	0.787	0.727-0.847
Freon 114	4.32	8.61	0.502	ok	0.501	0.441-0.561
Hexachlorobutadiene	20.76	14.66	1.416	ok	1.415	1.355-1.475
Hexane	8.62	8.61	1.001	ok	1.001	0.941-1.061
Methylene chloride	6.54	8.61	0.760	ok	0.759	0.699-0.819
Methyl ethyl ketone	8.13	8.61	0.944	ok	0.939	0.879-0.999
Methyl Tert Butyl Ether	7.77	8.61	0.902	ok	0.898	0.838-0.958
Pentane	6.14	8.61	0.713	ok	0.711	0.651-0.771
Propylene	4.00	8.61	0.465	ok	0.464	0.404-0.524
1,1,1-Trichloroethane	9.67	8.61	1.123	ok	1.123	1.063-1.183
1,1,2,2-Tetrachloroethane	15.79	14.66	1.077	ok	1.077	1.017-1.137
1,1,2-Trichloroethane	12.62	10.43	1.210	ok	1.210	1.150-1.270
1,2,4-Trichlorobenzene	20.27	14.66	1.383	ok	1.382	1.322-1.442
2,2,4-Trimethylpentane	11.12	10.43	1.066	ok	1.066	1.006-1.126

Initial Calibration Retention Time/Internal Standard Area Summary

Job Number: M66801
Account: GEI GEI Consultants, Inc.
Project: GEI Tufts Street Somerville MA

Sample Number	Lab File ID	Injected	By	Level	Inst ID	Method	
MSJ562-IC562	J10860.D	07/05/07 10:47	DFT	0.5	GCMSJ	TO-15	
MSJ562-IC562	J10861.D	07/05/07 11:40	DFT	0.2	GCMSJ	TO-15	Reporting this level
MSJ562-IC562	J10863.D	07/05/07 13:26	DFT	40	GCMSJ	TO-15	
MSJ562-IC562	J10864.D	07/05/07 14:22	DFT	20	GCMSJ	TO-15	
MSJ562-ICC562	J10865.D	07/05/07 15:15	DFT	10	GCMSJ	TO-15	
MSJ562-IC562	J10866.D	07/05/07 16:08	DFT	5	GCMSJ	TO-15	
MSJ562-IC562	J10867.D	07/05/07 16:59	DFT	2	GCMSJ	TO-15	

Target Compound	RT (min.)	Istd RT (min.)	Rel RT		Mean Rel RT	Rel RT Range (+/- .06)
Tetrachloroethylene	14.01	14.66	0.956	ok	0.955	0.895-1.015
Trichloroethylene	11.10	10.43	1.064	ok	1.065	1.005-1.125
Trichlorofluoromethane	5.79	8.61	0.672	ok	0.671	0.611-0.731
Vinyl chloride	4.44	8.61	0.516	ok	0.516	0.456-0.576
m,p-Xylene	15.25	14.66	1.040	ok	1.041	0.981-1.101

Internal Standard	RT (min.)		Mean RT(min.)	RT Range (+/- 0.33)	Area		Mean Area	Area Range (+/- 40 %)
Bromochloromethane	8.61	ok	8.62	8.29-8.95	314205	ok	333675	200205-467145
1,4-Difluorobenzene	10.43	ok	10.43	10.10-10.76	1315959	ok	1414039	848423-1979655
Chlorobenzene-D5	14.66	ok	14.67	14.34-15.00	1039945	ok	1228766	737260-1720272

Initial Calibration Retention Time/Internal Standard Area Summary

Job Number: M66801
Account: GEI GEI Consultants, Inc.
Project: GEI Tufts Street Somerville MA

Sample Number	Lab File ID	Injected	By	Level	Inst ID	Method	
MSJ562-IC562	J10860.D	07/05/07 10:47	DFT	0.5	GCMSJ	TO-15	
MSJ562-IC562	J10861.D	07/05/07 11:40	DFT	0.2	GCMSJ	TO-15	
MSJ562-IC562	J10863.D	07/05/07 13:26	DFT	40	GCMSJ	TO-15	Reporting this level
MSJ562-IC562	J10864.D	07/05/07 14:22	DFT	20	GCMSJ	TO-15	
MSJ562-ICC562	J10865.D	07/05/07 15:15	DFT	10	GCMSJ	TO-15	
MSJ562-IC562	J10866.D	07/05/07 16:08	DFT	5	GCMSJ	TO-15	
MSJ562-IC562	J10867.D	07/05/07 16:59	DFT	2	GCMSJ	TO-15	

Target Compound	RT (min.)	Istd RT (min.)	Rel RT		Mean Rel RT	Rel RT Range (+/- .06)
Acetone	5.64	8.62	0.654	ok	0.658	0.598-0.718
1,3-Butadiene	4.57	8.62	0.530	ok	0.531	0.471-0.591
Benzene	10.13	10.45	0.969	ok	0.970	0.910-1.030
Bromodichloromethane	11.11	10.45	1.063	ok	1.062	1.002-1.122
Bromoform	15.44	14.70	1.050	ok	1.050	0.990-1.110
Bromomethane	4.85	8.62	0.563	ok	0.563	0.503-0.623
Bromoethene	5.37	8.62	0.623	ok	0.624	0.564-0.684
Benzyl Chloride	17.91	14.70	1.218	ok	1.219	1.159-1.279
Carbon disulfide	6.83	8.62	0.792	ok	0.794	0.734-0.854
Chlorobenzene	14.74	14.70	1.003	ok	1.003	0.943-1.063
Chloroethane	5.01	8.62	0.581	ok	0.583	0.523-0.643
Chloroform	8.75	8.62	1.015	ok	1.014	0.954-1.074
Chloromethane	4.23	8.62	0.491	ok	0.491	0.431-0.551
3-Chloropropene	6.65	8.62	0.771	ok	0.772	0.712-0.832
2-Chlorotoluene	17.01	14.70	1.157	ok	1.158	1.098-1.218
Carbon tetrachloride	10.26	8.62	1.190	ok	1.190	1.130-1.250
Cyclohexane	10.36	10.45	0.991	ok	0.993	0.933-1.053
1,1-Dichloroethane	7.65	8.62	0.887	ok	0.887	0.827-0.947
1,1-Dichloroethylene	6.41	8.62	0.744	ok	0.745	0.685-0.805
1,2-Dibromoethane	13.61	14.70	0.926	ok	0.925	0.865-0.985
1,2-Dichloroethane	9.46	8.62	1.097	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	11.20	10.45	1.072	ok	1.074	1.014-1.134
Dichlorodifluoromethane	4.07	8.62	0.472	ok	0.472	0.412-0.532
Dibromochloromethane	13.36	14.70	0.909	ok	0.908	0.848-0.968
trans-1,2-Dichloroethylene	7.44	8.62	0.863	ok	0.864	0.804-0.924
cis-1,2-Dichloroethylene	8.45	8.62	0.980	ok	0.981	0.921-1.041
cis-1,3-Dichloropropene	11.95	10.45	1.144	ok	1.144	1.084-1.204
m-Dichlorobenzene	17.93	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	18.00	14.70	1.224	ok	1.226	1.166-1.286
trans-1,3-Dichloropropene	12.47	10.45	1.193	ok	1.193	1.133-1.253
Ethanol	5.23	8.62	0.607	ok	0.608	0.548-0.668
Ethylbenzene	15.12	14.70	1.029	ok	1.029	0.969-1.089
Ethyl Acetate	8.70	8.62	1.009	ok	1.010	0.950-1.070
4-Ethyltoluene	17.19	14.70	1.169	ok	1.170	1.110-1.230
Freon 113	6.77	8.62	0.785	ok	0.787	0.727-0.847
Freon 114	4.32	8.62	0.501	ok	0.501	0.441-0.561
Heptane	11.37	10.45	1.088	ok	1.088	1.028-1.148
Hexachlorobutadiene	20.76	14.70	1.412	ok	1.415	1.355-1.475
Hexane	8.62	8.62	1.000	ok	1.001	0.941-1.061

Initial Calibration Retention Time/Internal Standard Area Summary

Job Number: M66801
Account: GEI GEI Consultants, Inc.
Project: GEI Tufts Street Somerville MA

Sample Number	Lab File ID	Injected	By	Level	Inst ID	Method	
MSJ562-IC562	J10860.D	07/05/07 10:47	DFT	0.5	GCMSJ	TO-15	
MSJ562-IC562	J10861.D	07/05/07 11:40	DFT	0.2	GCMSJ	TO-15	
MSJ562-IC562	J10863.D	07/05/07 13:26	DFT	40	GCMSJ	TO-15	Reporting this level
MSJ562-IC562	J10864.D	07/05/07 14:22	DFT	20	GCMSJ	TO-15	
MSJ562-ICC562	J10865.D	07/05/07 15:15	DFT	10	GCMSJ	TO-15	
MSJ562-IC562	J10866.D	07/05/07 16:08	DFT	5	GCMSJ	TO-15	
MSJ562-IC562	J10867.D	07/05/07 16:59	DFT	2	GCMSJ	TO-15	

Target Compound	RT (min.)	Istd RT (min.)	Rel RT		Mean Rel RT	Rel RT Range (+/- .06)
2-Hexanone	13.21	14.70	0.899	ok	0.899	0.839-0.959
Isopropylbenzene	16.45	14.70	1.119	ok	1.120	1.060-1.180
Isopropyl Alcohol	6.04	8.62	0.701	ok	0.696	0.636-0.756
Methylene chloride	6.53	8.62	0.758	ok	0.759	0.699-0.819
Methyl ethyl ketone	8.09	8.62	0.939	ok	0.939	0.879-0.999
Methyl Isobutyl Ketone	12.03	10.45	1.151	ok	1.151	1.091-1.211
Methyl Tert Butyl Ether	7.72	8.62	0.896	ok	0.898	0.838-0.958
Nonane	15.99	14.70	1.088	ok	1.088	1.028-1.148
Pentane	6.12	8.62	0.710	ok	0.711	0.651-0.771
Propylene	3.99	8.62	0.463	ok	0.464	0.404-0.524
Styrene	15.70	14.70	1.068	ok	1.068	1.008-1.128
1,1,1-Trichloroethane	9.68	8.62	1.123	ok	1.123	1.063-1.183
1,1,2,2-Tetrachloroethane	15.83	14.70	1.077	ok	1.077	1.017-1.137
1,1,2-Trichloroethane	12.65	10.45	1.211	ok	1.210	1.150-1.270
1,2,4-Trichlorobenzene	20.28	14.70	1.380	ok	1.382	1.322-1.442
1,2,4-Trimethylbenzene	17.74	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	11.13	10.45	1.065	ok	1.066	1.006-1.126
Tertiary Butyl Alcohol	6.65	8.62	0.771	ok	0.767	0.707-0.827
Tetrachloroethylene	14.03	14.70	0.954	ok	0.955	0.895-1.015
Tetrahydrofuran	9.17	8.62	1.064	ok	1.066	1.006-1.126
Toluene	12.90	10.45	1.234	ok	1.235	1.175-1.295
Trichloroethylene	11.13	10.45	1.065	ok	1.065	1.005-1.125
Trichlorofluoromethane	5.78	8.62	0.671	ok	0.671	0.611-0.731
Vinyl chloride	4.44	8.62	0.515	ok	0.516	0.456-0.576
Vinyl Acetate	7.80	8.62	0.905	ok	0.905	0.845-0.965
m,p-Xylene	15.31	14.70	1.041	ok	1.041	0.981-1.101
o-Xylene	15.82	14.70	1.076	ok	1.076	1.016-1.136

Internal Standard	RT (min.)		Mean RT(min.)	RT Range (+/- 0.33)	Area		Mean Area	Area Range (+/- 40 %)
Bromochloromethane	8.62	ok	8.62	8.29-8.95	350136	ok	333675	200205-467145
1,4-Difluorobenzene	10.45	ok	10.43	10.10-10.76	1441648	ok	1414039	848423-1979655
Chlorobenzene-D5	14.70	ok	14.67	14.34-15.00	1373333	ok	1228766	737260-1720272

Initial Calibration Retention Time/Internal Standard Area Summary

Job Number: M66801
Account: GEI GEI Consultants, Inc.
Project: GEI Tufts Street Somerville MA

Sample Number	Lab File ID	Injected	By	Level	Inst ID	Method	
MSJ562-IC562	J10860.D	07/05/07 10:47	DFT	0.5	GCMSJ	TO-15	
MSJ562-IC562	J10861.D	07/05/07 11:40	DFT	0.2	GCMSJ	TO-15	
MSJ562-IC562	J10863.D	07/05/07 13:26	DFT	40	GCMSJ	TO-15	
MSJ562-IC562	J10864.D	07/05/07 14:22	DFT	20	GCMSJ	TO-15	Reporting this level
MSJ562-ICC562	J10865.D	07/05/07 15:15	DFT	10	GCMSJ	TO-15	
MSJ562-IC562	J10866.D	07/05/07 16:08	DFT	5	GCMSJ	TO-15	
MSJ562-IC562	J10867.D	07/05/07 16:59	DFT	2	GCMSJ	TO-15	

Target Compound	RT (min.)	Istd RT (min.)	Rel RT		Mean Rel RT	Rel RT Range (+/- .06)
Acetone	5.63	8.60	0.655	ok	0.658	0.598-0.718
1,3-Butadiene	4.57	8.60	0.531	ok	0.531	0.471-0.591
Benzene	10.11	10.43	0.969	ok	0.970	0.910-1.030
Bromodichloromethane	11.08	10.43	1.062	ok	1.062	1.002-1.122
Bromoform	15.42	14.68	1.050	ok	1.050	0.990-1.110
Bromomethane	4.84	8.60	0.563	ok	0.563	0.503-0.623
Bromoethene	5.36	8.60	0.623	ok	0.624	0.564-0.684
Benzyl Chloride	17.90	14.68	1.219	ok	1.219	1.159-1.279
Carbon disulfide	6.82	8.60	0.793	ok	0.794	0.734-0.854
Chlorobenzene	14.72	14.68	1.003	ok	1.003	0.943-1.063
Chloroethane	5.01	8.60	0.583	ok	0.583	0.523-0.643
Chloroform	8.73	8.60	1.015	ok	1.014	0.954-1.074
Chloromethane	4.22	8.60	0.491	ok	0.491	0.431-0.551
3-Chloropropene	6.63	8.60	0.771	ok	0.772	0.712-0.832
2-Chlorotoluene	16.99	14.68	1.157	ok	1.158	1.098-1.218
Carbon tetrachloride	10.24	8.60	1.191	ok	1.190	1.130-1.250
Cyclohexane	10.35	10.43	0.992	ok	0.993	0.933-1.053
1,1-Dichloroethane	7.63	8.60	0.887	ok	0.887	0.827-0.947
1,1-Dichloroethylene	6.40	8.60	0.744	ok	0.745	0.685-0.805
1,2-Dibromoethane	13.58	14.68	0.925	ok	0.925	0.865-0.985
1,2-Dichloroethane	9.44	8.60	1.098	ok	1.096	1.036-1.156
1,2-Dichloropropane	10.89	10.43	1.044	ok	1.044	0.984-1.104
1,4-Dioxane	11.17	10.43	1.071	ok	1.074	1.014-1.134
Dichlorodifluoromethane	4.06	8.60	0.472	ok	0.472	0.412-0.532
Dibromochloromethane	13.34	14.68	0.909	ok	0.908	0.848-0.968
trans-1,2-Dichloroethylene	7.43	8.60	0.864	ok	0.864	0.804-0.924
cis-1,2-Dichloroethylene	8.44	8.60	0.981	ok	0.981	0.921-1.041
cis-1,3-Dichloropropene	11.93	10.43	1.144	ok	1.144	1.084-1.204
m-Dichlorobenzene	17.91	14.68	1.220	ok	1.220	1.160-1.280
o-Dichlorobenzene	18.38	14.68	1.252	ok	1.252	1.192-1.312
p-Dichlorobenzene	17.99	14.68	1.225	ok	1.226	1.166-1.286
trans-1,3-Dichloropropene	12.45	10.43	1.194	ok	1.193	1.133-1.253
Ethanol	5.21	8.60	0.606	ok	0.608	0.548-0.668
Ethylbenzene	15.10	14.68	1.029	ok	1.029	0.969-1.089
Ethyl Acetate	8.68	8.60	1.009	ok	1.010	0.950-1.070
4-Ethyltoluene	17.18	14.68	1.170	ok	1.170	1.110-1.230
Freon 113	6.76	8.60	0.786	ok	0.787	0.727-0.847
Freon 114	4.31	8.60	0.501	ok	0.501	0.441-0.561
Heptane	11.35	10.43	1.088	ok	1.088	1.028-1.148
Hexachlorobutadiene	20.76	14.68	1.414	ok	1.415	1.355-1.475
Hexane	8.61	8.60	1.001	ok	1.001	0.941-1.061

Initial Calibration Retention Time/Internal Standard Area Summary

Job Number: M66801
Account: GEI GEI Consultants, Inc.
Project: GEI Tufts Street Somerville MA

Sample Number	Lab File ID	Injected	By	Level	Inst ID	Method	
MSJ562-IC562	J10860.D	07/05/07 10:47	DFT	0.5	GCMSJ	TO-15	
MSJ562-IC562	J10861.D	07/05/07 11:40	DFT	0.2	GCMSJ	TO-15	
MSJ562-IC562	J10863.D	07/05/07 13:26	DFT	40	GCMSJ	TO-15	
MSJ562-IC562	J10864.D	07/05/07 14:22	DFT	20	GCMSJ	TO-15	Reporting this level
MSJ562-ICC562	J10865.D	07/05/07 15:15	DFT	10	GCMSJ	TO-15	
MSJ562-IC562	J10866.D	07/05/07 16:08	DFT	5	GCMSJ	TO-15	
MSJ562-IC562	J10867.D	07/05/07 16:59	DFT	2	GCMSJ	TO-15	

Target Compound	RT (min.)	Istd RT (min.)	Rel RT		Mean Rel RT	Rel RT Range (+/- .06)
2-Hexanone	13.18	14.68	0.898	ok	0.899	0.839-0.959
Isopropylbenzene	16.44	14.68	1.120	ok	1.120	1.060-1.180
Isopropyl Alcohol	5.97	8.60	0.694	ok	0.696	0.636-0.756
Methylene chloride	6.52	8.60	0.758	ok	0.759	0.699-0.819
Methyl ethyl ketone	8.06	8.60	0.937	ok	0.939	0.879-0.999
Methyl Isobutyl Ketone	12.00	10.43	1.151	ok	1.151	1.091-1.211
Methyl Tert Butyl Ether	7.70	8.60	0.895	ok	0.898	0.838-0.958
Nonane	15.98	14.68	1.089	ok	1.088	1.028-1.148
Pentane	6.11	8.60	0.710	ok	0.711	0.651-0.771
Propylene	3.99	8.60	0.464	ok	0.464	0.404-0.524
Styrene	15.68	14.68	1.068	ok	1.068	1.008-1.128
1,1,1-Trichloroethane	9.67	8.60	1.124	ok	1.123	1.063-1.183
1,1,2,2-Tetrachloroethane	15.81	14.68	1.077	ok	1.077	1.017-1.137
1,1,2-Trichloroethane	12.63	10.43	1.211	ok	1.210	1.150-1.270
1,2,4-Trichlorobenzene	20.27	14.68	1.381	ok	1.382	1.322-1.442
1,2,4-Trimethylbenzene	17.73	14.68	1.208	ok	1.208	1.148-1.268
1,3,5-Trimethylbenzene	17.27	14.68	1.176	ok	1.176	1.116-1.236
2,2,4-Trimethylpentane	11.11	10.43	1.065	ok	1.066	1.006-1.126
Tertiary Butyl Alcohol	6.57	8.60	0.764	ok	0.767	0.707-0.827
Tetrachloroethylene	14.01	14.68	0.954	ok	0.955	0.895-1.015
Tetrahydrofuran	9.15	8.60	1.064	ok	1.066	1.006-1.126
Toluene	12.89	10.43	1.236	ok	1.235	1.175-1.295
Trichloroethylene	11.11	10.43	1.065	ok	1.065	1.005-1.125
Trichlorofluoromethane	5.77	8.60	0.671	ok	0.671	0.611-0.731
Vinyl chloride	4.44	8.60	0.516	ok	0.516	0.456-0.576
Vinyl Acetate	7.78	8.60	0.905	ok	0.905	0.845-0.965
m,p-Xylene	15.29	14.68	1.042	ok	1.041	0.981-1.101
o-Xylene	15.80	14.68	1.076	ok	1.076	1.016-1.136

Internal Standard	RT (min.)		Mean RT(min.)	RT Range (+/- 0.33)	Area		Mean Area	Area Range (+/- 40 %)
Bromochloromethane	8.60	ok	8.62	8.29-8.95	365307	ok	333675	200205-467145
1,4-Difluorobenzene	10.43	ok	10.43	10.10-10.76	1518441	ok	1414039	848423-1979655
Chlorobenzene-D5	14.68	ok	14.67	14.34-15.00	1386139	ok	1228766	737260-1720272

Initial Calibration Retention Time/Internal Standard Area Summary

Job Number: M66801
Account: GEI GEI Consultants, Inc.
Project: GEI Tufts Street Somerville MA

Sample Number	Lab File ID	Injected	By	Level	Inst ID	Method	
MSJ562-IC562	J10860.D	07/05/07 10:47	DFT	0.5	GCMSJ	TO-15	
MSJ562-IC562	J10861.D	07/05/07 11:40	DFT	0.2	GCMSJ	TO-15	
MSJ562-IC562	J10863.D	07/05/07 13:26	DFT	40	GCMSJ	TO-15	
MSJ562-IC562	J10864.D	07/05/07 14:22	DFT	20	GCMSJ	TO-15	
MSJ562-ICC562	J10865.D	07/05/07 15:15	DFT	10	GCMSJ	TO-15	Reporting this level
MSJ562-IC562	J10866.D	07/05/07 16:08	DFT	5	GCMSJ	TO-15	
MSJ562-IC562	J10867.D	07/05/07 16:59	DFT	2	GCMSJ	TO-15	

Target Compound	RT (min.)	Istd RT (min.)	Rel RT		Mean Rel RT	Rel RT Range (+/- .06)
Acetone	5.65	8.62	0.655	ok	0.658	0.598-0.718
1,3-Butadiene	4.58	8.62	0.531	ok	0.531	0.471-0.591
Benzene	10.11	10.43	0.969	ok	0.970	0.910-1.030
Bromodichloromethane	11.08	10.43	1.062	ok	1.062	1.002-1.122
Bromoform	15.41	14.67	1.050	ok	1.050	0.990-1.110
Bromomethane	4.85	8.62	0.563	ok	0.563	0.503-0.623
Bromoethene	5.37	8.62	0.623	ok	0.624	0.564-0.684
Benzyl Chloride	17.89	14.67	1.219	ok	1.219	1.159-1.279
Carbon disulfide	6.84	8.62	0.794	ok	0.794	0.734-0.854
Chlorobenzene	14.72	14.67	1.003	ok	1.003	0.943-1.063
Chloroethane	5.02	8.62	0.582	ok	0.583	0.523-0.643
Chloroform	8.74	8.62	1.014	ok	1.014	0.954-1.074
Chloromethane	4.23	8.62	0.491	ok	0.491	0.431-0.551
3-Chloropropene	6.65	8.62	0.771	ok	0.772	0.712-0.832
2-Chlorotoluene	16.99	14.67	1.158	ok	1.158	1.098-1.218
Carbon tetrachloride	10.25	8.62	1.189	ok	1.190	1.130-1.250
Cyclohexane	10.36	10.43	0.993	ok	0.993	0.933-1.053
1,1-Dichloroethane	7.64	8.62	0.886	ok	0.887	0.827-0.947
1,1-Dichloroethylene	6.41	8.62	0.744	ok	0.745	0.685-0.805
1,2-Dibromoethane	13.57	14.67	0.925	ok	0.925	0.865-0.985
1,2-Dichloroethane	9.44	8.62	1.095	ok	1.096	1.036-1.156
1,2-Dichloropropane	10.89	10.43	1.044	ok	1.044	0.984-1.104
1,4-Dioxane	11.17	10.43	1.071	ok	1.074	1.014-1.134
Dichlorodifluoromethane	4.07	8.62	0.472	ok	0.472	0.412-0.532
Dibromochloromethane	13.33	14.67	0.909	ok	0.908	0.848-0.968
trans-1,2-Dichloroethylene	7.44	8.62	0.863	ok	0.864	0.804-0.924
cis-1,2-Dichloroethylene	8.45	8.62	0.980	ok	0.981	0.921-1.041
cis-1,3-Dichloropropene	11.93	10.43	1.144	ok	1.144	1.084-1.204
m-Dichlorobenzene	17.91	14.67	1.221	ok	1.220	1.160-1.280
o-Dichlorobenzene	18.37	14.67	1.252	ok	1.252	1.192-1.312
p-Dichlorobenzene	17.99	14.67	1.226	ok	1.226	1.166-1.286
trans-1,3-Dichloropropene	12.44	10.43	1.193	ok	1.193	1.133-1.253
Ethanol	5.22	8.62	0.606	ok	0.608	0.548-0.668
Ethylbenzene	15.10	14.67	1.029	ok	1.029	0.969-1.089
Ethyl Acetate	8.69	8.62	1.008	ok	1.010	0.950-1.070
4-Ethyltoluene	17.17	14.67	1.170	ok	1.170	1.110-1.230
Freon 113	6.77	8.62	0.785	ok	0.787	0.727-0.847
Freon 114	4.32	8.62	0.501	ok	0.501	0.441-0.561
Heptane	11.36	10.43	1.089	ok	1.088	1.028-1.148
Hexachlorobutadiene	20.76	14.67	1.415	ok	1.415	1.355-1.475
Hexane	8.62	8.62	1.000	ok	1.001	0.941-1.061

Initial Calibration Retention Time/Internal Standard Area Summary

Job Number: M66801
Account: GEI GEI Consultants, Inc.
Project: GEI Tufts Street Somerville MA

Sample Number	Lab File ID	Injected	By	Level	Inst ID	Method	
MSJ562-IC562	J10860.D	07/05/07 10:47	DFT	0.5	GCMSJ	TO-15	
MSJ562-IC562	J10861.D	07/05/07 11:40	DFT	0.2	GCMSJ	TO-15	
MSJ562-IC562	J10863.D	07/05/07 13:26	DFT	40	GCMSJ	TO-15	
MSJ562-IC562	J10864.D	07/05/07 14:22	DFT	20	GCMSJ	TO-15	
MSJ562-ICC562	J10865.D	07/05/07 15:15	DFT	10	GCMSJ	TO-15	Reporting this level
MSJ562-IC562	J10866.D	07/05/07 16:08	DFT	5	GCMSJ	TO-15	
MSJ562-IC562	J10867.D	07/05/07 16:59	DFT	2	GCMSJ	TO-15	

Target Compound	RT (min.)	Istd RT (min.)	Rel RT		Mean Rel RT	Rel RT Range (+/- .06)
2-Hexanone	13.18	14.67	0.898	ok	0.899	0.839-0.959
Isopropylbenzene	16.43	14.67	1.120	ok	1.120	1.060-1.180
Isopropyl Alcohol	5.97	8.62	0.693	ok	0.696	0.636-0.756
Methylene chloride	6.53	8.62	0.758	ok	0.759	0.699-0.819
Methyl ethyl ketone	8.07	8.62	0.936	ok	0.939	0.879-0.999
Methyl Isobutyl Ketone	12.00	10.43	1.151	ok	1.151	1.091-1.211
Methyl Tert Butyl Ether	7.72	8.62	0.896	ok	0.898	0.838-0.958
Nonane	15.97	14.67	1.089	ok	1.088	1.028-1.148
Pentane	6.13	8.62	0.711	ok	0.711	0.651-0.771
Propylene	4.00	8.62	0.464	ok	0.464	0.404-0.524
Styrene	15.68	14.67	1.069	ok	1.068	1.008-1.128
1,1,1-Trichloroethane	9.67	8.62	1.122	ok	1.123	1.063-1.183
1,1,2,2-Tetrachloroethane	15.80	14.67	1.077	ok	1.077	1.017-1.137
1,1,2-Trichloroethane	12.63	10.43	1.211	ok	1.210	1.150-1.270
1,2,4-Trichlorobenzene	20.27	14.67	1.382	ok	1.382	1.322-1.442
1,2,4-Trimethylbenzene	17.72	14.67	1.208	ok	1.208	1.148-1.268
1,3,5-Trimethylbenzene	17.26	14.67	1.177	ok	1.176	1.116-1.236
2,2,4-Trimethylpentane	11.12	10.43	1.066	ok	1.066	1.006-1.126
Tertiary Butyl Alcohol	6.57	8.62	0.762	ok	0.767	0.707-0.827
Tetrachloroethylene	14.01	14.67	0.955	ok	0.955	0.895-1.015
Tetrahydrofuran	9.17	8.62	1.064	ok	1.066	1.006-1.126
Toluene	12.89	10.43	1.236	ok	1.235	1.175-1.295
Trichloroethylene	11.11	10.43	1.065	ok	1.065	1.005-1.125
Trichlorofluoromethane	5.78	8.62	0.671	ok	0.671	0.611-0.731
Vinyl chloride	4.45	8.62	0.516	ok	0.516	0.456-0.576
Vinyl Acetate	7.79	8.62	0.904	ok	0.905	0.845-0.965
m,p-Xylene	15.28	14.67	1.042	ok	1.041	0.981-1.101
o-Xylene	15.79	14.67	1.076	ok	1.076	1.016-1.136

Internal Standard	RT (min.)		Mean RT(min.)	RT Range (+/- 0.33)	Area		Mean Area	Area Range (+/- 40 %)
Bromochloromethane	8.62	ok	8.62	8.29-8.95	357730	ok	333675	200205-467145
1,4-Difluorobenzene	10.43	ok	10.43	10.10-10.76	1553136	ok	1414039	848423-1979655
Chlorobenzene-D5	14.67	ok	14.67	14.34-15.00	1367583	ok	1228766	737260-1720272

Initial Calibration Retention Time/Internal Standard Area Summary

Job Number: M66801
Account: GEI GEI Consultants, Inc.
Project: GEI Tufts Street Somerville MA

Sample Number	Lab File ID	Injected	By	Level	Inst ID	Method	
MSJ562-IC562	J10860.D	07/05/07 10:47	DFT	0.5	GCMSJ	TO-15	
MSJ562-IC562	J10861.D	07/05/07 11:40	DFT	0.2	GCMSJ	TO-15	
MSJ562-IC562	J10863.D	07/05/07 13:26	DFT	40	GCMSJ	TO-15	
MSJ562-IC562	J10864.D	07/05/07 14:22	DFT	20	GCMSJ	TO-15	
MSJ562-ICC562	J10865.D	07/05/07 15:15	DFT	10	GCMSJ	TO-15	
MSJ562-IC562	J10866.D	07/05/07 16:08	DFT	5	GCMSJ	TO-15	Reporting this level
MSJ562-IC562	J10867.D	07/05/07 16:59	DFT	2	GCMSJ	TO-15	

Target Compound	RT (min.)	Istd RT (min.)	Rel RT		Mean Rel RT	Rel RT Range (+/- .06)
Acetone	5.66	8.62	0.657	ok	0.658	0.598-0.718
1,3-Butadiene	4.58	8.62	0.531	ok	0.531	0.471-0.591
Benzene	10.12	10.43	0.970	ok	0.970	0.910-1.030
Bromodichloromethane	11.08	10.43	1.062	ok	1.062	1.002-1.122
Bromoform	15.40	14.67	1.050	ok	1.050	0.990-1.110
Bromomethane	4.85	8.62	0.563	ok	0.563	0.503-0.623
Bromoethene	5.38	8.62	0.624	ok	0.624	0.564-0.684
Benzyl Chloride	17.89	14.67	1.219	ok	1.219	1.159-1.279
Carbon disulfide	6.84	8.62	0.794	ok	0.794	0.734-0.854
Chlorobenzene	14.71	14.67	1.003	ok	1.003	0.943-1.063
Chloroethane	5.02	8.62	0.582	ok	0.583	0.523-0.643
Chloroform	8.73	8.62	1.013	ok	1.014	0.954-1.074
Chloromethane	4.23	8.62	0.491	ok	0.491	0.431-0.551
3-Chloropropene	6.65	8.62	0.771	ok	0.772	0.712-0.832
2-Chlorotoluene	16.98	14.67	1.157	ok	1.158	1.098-1.218
Carbon tetrachloride	10.25	8.62	1.189	ok	1.190	1.130-1.250
Cyclohexane	10.36	10.43	0.993	ok	0.993	0.933-1.053
1,1-Dichloroethane	7.65	8.62	0.887	ok	0.887	0.827-0.947
1,1-Dichloroethylene	6.42	8.62	0.745	ok	0.745	0.685-0.805
1,2-Dibromoethane	13.57	14.67	0.925	ok	0.925	0.865-0.985
1,2-Dichloroethane	9.44	8.62	1.095	ok	1.096	1.036-1.156
1,2-Dichloropropane	10.89	10.43	1.044	ok	1.044	0.984-1.104
1,4-Dioxane	11.18	10.43	1.072	ok	1.074	1.014-1.134
Dichlorodifluoromethane	4.07	8.62	0.472	ok	0.472	0.412-0.532
Dibromochloromethane	13.32	14.67	0.908	ok	0.908	0.848-0.968
trans-1,2-Dichloroethylene	7.45	8.62	0.864	ok	0.864	0.804-0.924
cis-1,2-Dichloroethylene	8.45	8.62	0.980	ok	0.981	0.921-1.041
cis-1,3-Dichloropropene	11.93	10.43	1.144	ok	1.144	1.084-1.204
m-Dichlorobenzene	17.90	14.67	1.220	ok	1.220	1.160-1.280
o-Dichlorobenzene	18.37	14.67	1.252	ok	1.252	1.192-1.312
p-Dichlorobenzene	17.98	14.67	1.226	ok	1.226	1.166-1.286
trans-1,3-Dichloropropene	12.44	10.43	1.193	ok	1.193	1.133-1.253
Ethanol	5.22	8.62	0.606	ok	0.608	0.548-0.668
Ethylbenzene	15.09	14.67	1.029	ok	1.029	0.969-1.089
Ethyl Acetate	8.69	8.62	1.008	ok	1.010	0.950-1.070
4-Ethyltoluene	17.16	14.67	1.170	ok	1.170	1.110-1.230
Freon 113	6.78	8.62	0.787	ok	0.787	0.727-0.847
Freon 114	4.32	8.62	0.501	ok	0.501	0.441-0.561
Heptane	11.35	10.43	1.088	ok	1.088	1.028-1.148
Hexachlorobutadiene	20.76	14.67	1.415	ok	1.415	1.355-1.475
Hexane	8.63	8.62	1.001	ok	1.001	0.941-1.061

Initial Calibration Retention Time/Internal Standard Area Summary

Job Number: M66801
Account: GEI GEI Consultants, Inc.
Project: GEI Tufts Street Somerville MA

Sample Number	Lab File ID	Injected	By	Level	Inst ID	Method	
MSJ562-IC562	J10860.D	07/05/07 10:47	DFT	0.5	GCMSJ	TO-15	
MSJ562-IC562	J10861.D	07/05/07 11:40	DFT	0.2	GCMSJ	TO-15	
MSJ562-IC562	J10863.D	07/05/07 13:26	DFT	40	GCMSJ	TO-15	
MSJ562-IC562	J10864.D	07/05/07 14:22	DFT	20	GCMSJ	TO-15	
MSJ562-ICC562	J10865.D	07/05/07 15:15	DFT	10	GCMSJ	TO-15	
MSJ562-IC562	J10866.D	07/05/07 16:08	DFT	5	GCMSJ	TO-15	Reporting this level
MSJ562-IC562	J10867.D	07/05/07 16:59	DFT	2	GCMSJ	TO-15	

Target Compound	RT (min.)	Istd RT (min.)	Rel RT		Mean Rel RT	Rel RT Range (+/- .06)
2-Hexanone	13.18	14.67	0.898	ok	0.899	0.839-0.959
Isopropylbenzene	16.43	14.67	1.120	ok	1.120	1.060-1.180
Isopropyl Alcohol	5.95	8.62	0.690	ok	0.696	0.636-0.756
Methylene chloride	6.54	8.62	0.759	ok	0.759	0.699-0.819
Methyl ethyl ketone	8.07	8.62	0.936	ok	0.939	0.879-0.999
Methyl Isobutyl Ketone	12.00	10.43	1.151	ok	1.151	1.091-1.211
Methyl Tert Butyl Ether	7.73	8.62	0.897	ok	0.898	0.838-0.958
Nonane	15.97	14.67	1.089	ok	1.088	1.028-1.148
Pentane	6.13	8.62	0.711	ok	0.711	0.651-0.771
Propylene	4.00	8.62	0.464	ok	0.464	0.404-0.524
Styrene	15.67	14.67	1.068	ok	1.068	1.008-1.128
1,1,1-Trichloroethane	9.67	8.62	1.122	ok	1.123	1.063-1.183
1,1,2,2-Tetrachloroethane	15.79	14.67	1.076	ok	1.077	1.017-1.137
1,1,2-Trichloroethane	12.62	10.43	1.210	ok	1.210	1.150-1.270
1,2,4-Trichlorobenzene	20.27	14.67	1.382	ok	1.382	1.322-1.442
1,2,4-Trimethylbenzene	17.72	14.67	1.208	ok	1.208	1.148-1.268
1,3,5-Trimethylbenzene	17.25	14.67	1.176	ok	1.176	1.116-1.236
2,2,4-Trimethylpentane	11.12	10.43	1.066	ok	1.066	1.006-1.126
Tertiary Butyl Alcohol	6.56	8.62	0.761	ok	0.767	0.707-0.827
Tetrachloroethylene	14.01	14.67	0.955	ok	0.955	0.895-1.015
Tetrahydrofuran	9.18	8.62	1.065	ok	1.066	1.006-1.126
Toluene	12.88	10.43	1.235	ok	1.235	1.175-1.295
Trichloroethylene	11.11	10.43	1.065	ok	1.065	1.005-1.125
Trichlorofluoromethane	5.79	8.62	0.672	ok	0.671	0.611-0.731
Vinyl chloride	4.45	8.62	0.516	ok	0.516	0.456-0.576
Vinyl Acetate	7.79	8.62	0.904	ok	0.905	0.845-0.965
m,p-Xylene	15.28	14.67	1.042	ok	1.041	0.981-1.101
o-Xylene	15.78	14.67	1.076	ok	1.076	1.016-1.136

Internal Standard	RT (min.)		Mean RT(min.)	RT Range (+/- 0.33)	Area		Mean Area	Area Range (+/- 40 %)
Bromochloromethane	8.62	ok	8.62	8.29-8.95	308937	ok	333675	200205-467145
1,4-Difluorobenzene	10.43	ok	10.43	10.10-10.76	1344037	ok	1414039	848423-1979655
Chlorobenzene-D5	14.67	ok	14.67	14.34-15.00	1158520	ok	1228766	737260-1720272

Initial Calibration Retention Time/Internal Standard Area Summary

Job Number: M66801
Account: GEI GEI Consultants, Inc.
Project: GEI Tufts Street Somerville MA

Sample Number	Lab File ID	Injected	By	Level	Inst ID	Method	
MSJ562-IC562	J10860.D	07/05/07 10:47	DFT	0.5	GCMSJ	TO-15	
MSJ562-IC562	J10861.D	07/05/07 11:40	DFT	0.2	GCMSJ	TO-15	
MSJ562-IC562	J10863.D	07/05/07 13:26	DFT	40	GCMSJ	TO-15	
MSJ562-IC562	J10864.D	07/05/07 14:22	DFT	20	GCMSJ	TO-15	
MSJ562-ICC562	J10865.D	07/05/07 15:15	DFT	10	GCMSJ	TO-15	
MSJ562-IC562	J10866.D	07/05/07 16:08	DFT	5	GCMSJ	TO-15	
MSJ562-IC562	J10867.D	07/05/07 16:59	DFT	2	GCMSJ	TO-15	Reporting this level

Target Compound	RT (min.)	Istd RT (min.)	Rel RT		Mean Rel RT	Rel RT Range (+/- .06)
Acetone	5.69	8.62	0.660	ok	0.658	0.598-0.718
1,3-Butadiene	4.58	8.62	0.531	ok	0.531	0.471-0.591
Benzene	10.12	10.43	0.970	ok	0.970	0.910-1.030
Bromodichloromethane	11.08	10.43	1.062	ok	1.062	1.002-1.122
Bromoform	15.39	14.67	1.049	ok	1.050	0.990-1.110
Bromomethane	4.86	8.62	0.564	ok	0.563	0.503-0.623
Bromoethene	5.39	8.62	0.625	ok	0.624	0.564-0.684
Benzyl Chloride	17.89	14.67	1.219	ok	1.219	1.159-1.279
Carbon disulfide	6.85	8.62	0.795	ok	0.794	0.734-0.854
Chlorobenzene	14.71	14.67	1.003	ok	1.003	0.943-1.063
Chloroethane	5.03	8.62	0.584	ok	0.583	0.523-0.643
Chloroform	8.74	8.62	1.014	ok	1.014	0.954-1.074
Chloromethane	4.24	8.62	0.492	ok	0.491	0.431-0.551
3-Chloropropene	6.66	8.62	0.773	ok	0.772	0.712-0.832
2-Chlorotoluene	16.98	14.67	1.157	ok	1.158	1.098-1.218
Carbon tetrachloride	10.25	8.62	1.189	ok	1.190	1.130-1.250
Cyclohexane	10.37	10.43	0.994	ok	0.993	0.933-1.053
1,1-Dichloroethane	7.65	8.62	0.887	ok	0.887	0.827-0.947
1,1-Dichloroethylene	6.42	8.62	0.745	ok	0.745	0.685-0.805
1,2-Dibromoethane	13.57	14.67	0.925	ok	0.925	0.865-0.985
1,2-Dichloroethane	9.45	8.62	1.096	ok	1.096	1.036-1.156
1,2-Dichloropropane	10.90	10.43	1.045	ok	1.044	0.984-1.104
1,4-Dioxane	11.22	10.43	1.076	ok	1.074	1.014-1.134
Dichlorodifluoromethane	4.06	8.62	0.471	ok	0.472	0.412-0.532
Dibromochloromethane	13.32	14.67	0.908	ok	0.908	0.848-0.968
trans-1,2-Dichloroethylene	7.45	8.62	0.864	ok	0.864	0.804-0.924
cis-1,2-Dichloroethylene	8.45	8.62	0.980	ok	0.981	0.921-1.041
cis-1,3-Dichloropropene	11.93	10.43	1.144	ok	1.144	1.084-1.204
m-Dichlorobenzene	17.90	14.67	1.220	ok	1.220	1.160-1.280
o-Dichlorobenzene	18.37	14.67	1.252	ok	1.252	1.192-1.312
p-Dichlorobenzene	17.98	14.67	1.226	ok	1.226	1.166-1.286
trans-1,3-Dichloropropene	12.44	10.43	1.193	ok	1.193	1.133-1.253
Ethanol	5.25	8.62	0.609	ok	0.608	0.548-0.668
Ethylbenzene	15.09	14.67	1.029	ok	1.029	0.969-1.089
Ethyl Acetate	8.71	8.62	1.010	ok	1.010	0.950-1.070
4-Ethyltoluene	17.16	14.67	1.170	ok	1.170	1.110-1.230
Freon 113	6.79	8.62	0.788	ok	0.787	0.727-0.847
Freon 114	4.32	8.62	0.501	ok	0.501	0.441-0.561
Heptane	11.36	10.43	1.089	ok	1.088	1.028-1.148
Hexane	8.63	8.62	1.001	ok	1.001	0.941-1.061
2-Hexanone	13.19	14.67	0.899	ok	0.899	0.839-0.959

Initial Calibration Retention Time/Internal Standard Area Summary

Job Number: M66801
Account: GEI GEI Consultants, Inc.
Project: GEI Tufts Street Somerville MA

Sample Number	Lab File ID	Injected	By	Level	Inst ID	Method	
MSJ562-IC562	J10860.D	07/05/07 10:47	DFT	0.5	GCMSJ	TO-15	
MSJ562-IC562	J10861.D	07/05/07 11:40	DFT	0.2	GCMSJ	TO-15	
MSJ562-IC562	J10863.D	07/05/07 13:26	DFT	40	GCMSJ	TO-15	
MSJ562-IC562	J10864.D	07/05/07 14:22	DFT	20	GCMSJ	TO-15	
MSJ562-ICC562	J10865.D	07/05/07 15:15	DFT	10	GCMSJ	TO-15	
MSJ562-IC562	J10866.D	07/05/07 16:08	DFT	5	GCMSJ	TO-15	
MSJ562-IC562	J10867.D	07/05/07 16:59	DFT	2	GCMSJ	TO-15	Reporting this level

Target Compound	RT (min.)	Istd RT (min.)	Rel RT		Mean Rel RT	Rel RT Range (+/- .06)
Isopropylbenzene	16.42	14.67	1.119	ok	1.120	1.060-1.180
Isopropyl Alcohol	5.98	8.62	0.694	ok	0.696	0.636-0.756
Methylene chloride	6.55	8.62	0.760	ok	0.759	0.699-0.819
Methyl ethyl ketone	8.09	8.62	0.939	ok	0.939	0.879-0.999
Methyl Isobutyl Ketone	12.01	10.43	1.151	ok	1.151	1.091-1.211
Methyl Tert Butyl Ether	7.74	8.62	0.898	ok	0.898	0.838-0.958
Nonane	15.97	14.67	1.089	ok	1.088	1.028-1.148
Pentane	6.14	8.62	0.712	ok	0.711	0.651-0.771
Propylene	4.00	8.62	0.464	ok	0.464	0.404-0.524
Styrene	15.67	14.67	1.068	ok	1.068	1.008-1.128
1,1,1-Trichloroethane	9.67	8.62	1.122	ok	1.123	1.063-1.183
1,1,2,2-Tetrachloroethane	15.78	14.67	1.076	ok	1.077	1.017-1.137
1,1,2-Trichloroethane	12.61	10.43	1.209	ok	1.210	1.150-1.270
1,2,4-Trichlorobenzene	20.28	14.67	1.382	ok	1.382	1.322-1.442
1,2,4-Trimethylbenzene	17.72	14.67	1.208	ok	1.208	1.148-1.268
1,3,5-Trimethylbenzene	17.25	14.67	1.176	ok	1.176	1.116-1.236
2,2,4-Trimethylpentane	11.12	10.43	1.066	ok	1.066	1.006-1.126
Tertiary Butyl Alcohol	6.59	8.62	0.765	ok	0.767	0.707-0.827
Tetrachloroethylene	14.01	14.67	0.955	ok	0.955	0.895-1.015
Tetrahydrofuran	9.21	8.62	1.068	ok	1.066	1.006-1.126
Toluene	12.88	10.43	1.235	ok	1.235	1.175-1.295
Trichloroethylene	11.11	10.43	1.065	ok	1.065	1.005-1.125
Trichlorofluoromethane	5.79	8.62	0.672	ok	0.671	0.611-0.731
Vinyl chloride	4.45	8.62	0.516	ok	0.516	0.456-0.576
Vinyl Acetate	7.80	8.62	0.905	ok	0.905	0.845-0.965
m,p-Xylene	15.28	14.67	1.042	ok	1.041	0.981-1.101
o-Xylene	15.78	14.67	1.076	ok	1.076	1.016-1.136

Internal Standard	RT (min.)		Mean RT(min.)	RT Range (+/- 0.33)	Area		Mean Area	Area Range (+/- 40 %)
Bromochloromethane	8.62	ok	8.62	8.29-8.95	330127	ok	333675	200205-467145
1,4-Difluorobenzene	10.43	ok	10.43	10.10-10.76	1414347	ok	1414039	848423-1979655
Chlorobenzene-D5	14.67	ok	14.67	14.34-15.00	1160504	ok	1228766	737260-1720272

Initial Calibration Retention Time/Internal Standard Area Summary

Job Number: M66801
Account: GEI GEI Consultants, Inc.
Project: GEI Tufts Street Somerville MA

Sample Number	Lab File ID	Injected	By	Level	Inst ID	Method	
MSQ214-IC214	Q3977.D	07/16/07 16:53	DFT	40	GCMSQ	TO-15	Reporting this level
MSQ214-IC214	Q3978.D	07/16/07 17:36	DFT	20	GCMSQ	TO-15	
MSQ214-ICC214	Q3979.D	07/16/07 18:18	DFT	10	GCMSQ	TO-15	
MSQ214-IC214	Q3980.D	07/16/07 19:01	DFT	5	GCMSQ	TO-15	
MSQ214-IC214	Q3981.D	07/16/07 19:44	DFT	2	GCMSQ	TO-15	
MSQ214-IC214	Q3982.D	07/16/07 20:26	DFT	0.5	GCMSQ	TO-15	
MSQ214-IC214	Q3983.D	07/16/07 21:09	DFT	0.2	GCMSQ	TO-15	

Target Compound	RT (min.)	Istd RT (min.)	Rel RT		Mean Rel RT	Rel RT Range (+/- .06)
Acetone	5.59	8.63	0.648	ok	0.649	0.589-0.709
1,3-Butadiene	4.56	8.63	0.528	ok	0.528	0.468-0.588
Benzene	10.15	10.46	0.970	ok	0.970	0.910-1.030
Bromodichloromethane	11.11	10.46	1.062	ok	1.062	1.002-1.122
Bromoform	15.43	14.71	1.049	ok	1.049	0.989-1.109
Bromomethane	4.84	8.63	0.561	ok	0.560	0.500-0.620
Bromoethene	5.37	8.63	0.622	ok	0.622	0.562-0.682
Benzyl Chloride	17.92	14.71	1.218	ok	1.219	1.159-1.279
Carbon disulfide	6.86	8.63	0.795	ok	0.795	0.735-0.855
Chlorobenzene	14.75	14.71	1.003	ok	1.003	0.943-1.063
Chloroethane	5.01	8.63	0.581	ok	0.580	0.520-0.640
Chloroform	8.76	8.63	1.015	ok	1.014	0.954-1.074
Chloromethane	4.20	8.63	0.487	ok	0.486	0.426-0.546
3-Chloropropene	6.66	8.63	0.772	ok	0.772	0.712-0.832
2-Chlorotoluene	17.02	14.71	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	0.996	0.936-1.056
1,1-Dichloroethane	7.67	8.63	0.889	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	14.71	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	10.93	10.46	1.045	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	14.71	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	1.144	1.084-1.204
m-Dichlorobenzene	17.94	14.71	1.220	ok	1.220	1.160-1.280
o-Dichlorobenzene	18.40	14.71	1.251	ok	1.251	1.191-1.311
p-Dichlorobenzene	18.02	14.71	1.225	ok	1.225	1.165-1.285
trans-1,3-Dichloropropene	12.47	10.46	1.192	ok	1.192	1.132-1.252
Ethanol	5.10	8.63	0.591	ok	0.591	0.531-0.651
Ethylbenzene	15.13	14.71	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	14.71	1.170	ok	1.171	1.111-1.231
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	11.41	10.46	1.091	ok	1.091	1.031-1.151
Hexachlorobutadiene	20.80	14.71	1.414	ok	1.415	1.355-1.475
Hexane	8.67	8.63	1.005	ok	1.004	0.944-1.064

Initial Calibration Retention Time/Internal Standard Area Summary

Job Number: M66801
Account: GEI GEI Consultants, Inc.
Project: GEI Tufts Street Somerville MA

Sample Number	Lab File ID	Injected	By	Level	Inst ID	Method	
MSQ214-IC214	Q3977.D	07/16/07 16:53	DFT	40	GCMSQ	TO-15	Reporting this level
MSQ214-IC214	Q3978.D	07/16/07 17:36	DFT	20	GCMSQ	TO-15	
MSQ214-ICC214	Q3979.D	07/16/07 18:18	DFT	10	GCMSQ	TO-15	
MSQ214-IC214	Q3980.D	07/16/07 19:01	DFT	5	GCMSQ	TO-15	
MSQ214-IC214	Q3981.D	07/16/07 19:44	DFT	2	GCMSQ	TO-15	
MSQ214-IC214	Q3982.D	07/16/07 20:26	DFT	0.5	GCMSQ	TO-15	
MSQ214-IC214	Q3983.D	07/16/07 21:09	DFT	0.2	GCMSQ	TO-15	

Target Compound	RT (min.)	Istd RT (min.)	Rel RT		Mean Rel RT	Rel RT Range (+/- .06)
2-Hexanone	13.15	14.71	0.894	ok	0.894	0.834-0.954
Isopropylbenzene	16.47	14.71	1.120	ok	1.120	1.060-1.180
Isopropyl Alcohol	5.83	8.63	0.676	ok	0.676	0.616-0.736
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	1.146	1.086-1.206
Methyl Tert Butyl Ether	7.71	8.63	0.893	ok	0.894	0.834-0.954
Nonane	16.03	14.71	1.090	ok	1.090	1.030-1.150
Pentane	6.14	8.63	0.711	ok	0.712	0.652-0.772
Propylene	3.97	8.63	0.460	ok	0.460	0.400-0.520
Styrene	15.71	14.71	1.068	ok	1.068	1.008-1.128
1,1,1-Trichloroethane	9.71	8.63	1.125	ok	1.125	1.065-1.185
1,1,2,2-Tetrachloroethane	15.81	14.71	1.075	ok	1.075	1.015-1.135
1,1,2-Trichloroethane	12.65	10.46	1.209	ok	1.209	1.149-1.269
1,2,4-Trichlorobenzene	20.31	14.71	1.381	ok	1.381	1.321-1.441
1,2,4-Trimethylbenzene	17.76	14.71	1.207	ok	1.208	1.148-1.268
1,3,5-Trimethylbenzene	17.30	14.71	1.176	ok	1.176	1.116-1.236
2,2,4-Trimethylpentane	11.17	10.46	1.068	ok	1.068	1.008-1.128
Tertiary Butyl Alcohol	6.43	8.63	0.745	ok	0.746	0.686-0.806
Tetrachloroethylene	14.06	14.71	0.956	ok	0.956	0.896-1.016
Tetrahydrofuran	9.14	8.63	1.059	ok	1.060	1.000-1.120
Toluene	12.93	10.46	1.236	ok	1.235	1.175-1.295
Trichloroethylene	11.15	10.46	1.066	ok	1.066	1.006-1.126
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	15.33	14.71	1.042	ok	1.042	0.982-1.102
o-Xylene	15.83	14.71	1.076	ok	1.076	1.016-1.136

Internal Standard	RT (min.)		Mean RT(min.)	RT Range (+/- 0.33)	Area		Mean Area	Area Range (+/- 40 %)
Bromochloromethane	8.63	ok	8.63	8.30-8.96	209689	ok	206550	123930-289170
1,4-Difluorobenzene	10.46	ok	10.46	10.13-10.79	900241	ok	933706	560224-1307188
Chlorobenzene-D5	14.71	ok	14.70	14.37-15.03	823235	ok	816411	489847-1142975

Initial Calibration Retention Time/Internal Standard Area Summary

Job Number: M66801
Account: GEI GEI Consultants, Inc.
Project: GEI Tufts Street Somerville MA

Sample Number	Lab File ID	Injected	By	Level	Inst ID	Method	
MSQ214-IC214	Q3977.D	07/16/07 16:53	DFT	40	GCMSQ	TO-15	
MSQ214-IC214	Q3978.D	07/16/07 17:36	DFT	20	GCMSQ	TO-15	Reporting this level
MSQ214-ICC214	Q3979.D	07/16/07 18:18	DFT	10	GCMSQ	TO-15	
MSQ214-IC214	Q3980.D	07/16/07 19:01	DFT	5	GCMSQ	TO-15	
MSQ214-IC214	Q3981.D	07/16/07 19:44	DFT	2	GCMSQ	TO-15	
MSQ214-IC214	Q3982.D	07/16/07 20:26	DFT	0.5	GCMSQ	TO-15	
MSQ214-IC214	Q3983.D	07/16/07 21:09	DFT	0.2	GCMSQ	TO-15	

Target Compound	RT (min.)	Istd RT (min.)	Rel RT		Mean Rel RT	Rel RT Range (+/- .06)
Acetone	5.59	8.63	0.648	ok	0.649	0.589-0.709
1,3-Butadiene	4.56	8.63	0.528	ok	0.528	0.468-0.588
Benzene	10.15	10.46	0.970	ok	0.970	0.910-1.030
Bromodichloromethane	11.11	10.46	1.062	ok	1.062	1.002-1.122
Bromoform	15.43	14.70	1.050	ok	1.049	0.989-1.109
Bromomethane	4.83	8.63	0.560	ok	0.560	0.500-0.620
Bromoethene	5.37	8.63	0.622	ok	0.622	0.562-0.682
Benzyl Chloride	17.92	14.70	1.219	ok	1.219	1.159-1.279
Carbon disulfide	6.86	8.63	0.795	ok	0.795	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	0.486	0.426-0.546
3-Chloropropene	6.66	8.63	0.772	ok	0.772	0.712-0.832
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	0.996	0.936-1.056
1,1-Dichloroethane	7.66	8.63	0.888	ok	0.888	0.828-0.948
1,1-Dichloroethylene	6.42	8.63	0.744	ok	0.744	0.684-0.804
1,2-Dibromoethane	13.60	14.70	0.925	ok	0.925	0.865-0.985
1,2-Dichloroethane	9.46	8.63	1.096	ok	1.096	1.036-1.156
1,2-Dichloropropane	10.92	10.46	1.044	ok	1.044	0.984-1.104
1,4-Dioxane	11.13	10.46	1.064	ok	1.065	1.005-1.125
Dichlorodifluoromethane	4.03	8.63	0.467	ok	0.468	0.408-0.528
Dibromochloromethane	13.35	14.70	0.908	ok	0.908	0.848-0.968
trans-1,2-Dichloroethylene	7.47	8.63	0.866	ok	0.865	0.805-0.925
cis-1,2-Dichloroethylene	8.47	8.63	0.981	ok	0.981	0.921-1.041
cis-1,3-Dichloropropene	11.96	10.46	1.143	ok	1.144	1.084-1.204
m-Dichlorobenzene	17.94	14.70	1.220	ok	1.220	1.160-1.280
o-Dichlorobenzene	18.40	14.70	1.252	ok	1.251	1.191-1.311
p-Dichlorobenzene	18.01	14.70	1.225	ok	1.225	1.165-1.285
trans-1,3-Dichloropropene	12.46	10.46	1.191	ok	1.192	1.132-1.252
Ethanol	5.10	8.63	0.591	ok	0.591	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	1.171	1.111-1.231
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	11.41	10.46	1.091	ok	1.091	1.031-1.151
Hexachlorobutadiene	20.80	14.70	1.415	ok	1.415	1.355-1.475
Hexane	8.67	8.63	1.005	ok	1.004	0.944-1.064

Initial Calibration Retention Time/Internal Standard Area Summary

Job Number: M66801
Account: GEI GEI Consultants, Inc.
Project: GEI Tufts Street Somerville MA

Sample Number	Lab File ID	Injected	By	Level	Inst ID	Method	
MSQ214-IC214	Q3977.D	07/16/07 16:53	DFT	40	GCMSQ	TO-15	
MSQ214-IC214	Q3978.D	07/16/07 17:36	DFT	20	GCMSQ	TO-15	Reporting this level
MSQ214-ICC214	Q3979.D	07/16/07 18:18	DFT	10	GCMSQ	TO-15	
MSQ214-IC214	Q3980.D	07/16/07 19:01	DFT	5	GCMSQ	TO-15	
MSQ214-IC214	Q3981.D	07/16/07 19:44	DFT	2	GCMSQ	TO-15	
MSQ214-IC214	Q3982.D	07/16/07 20:26	DFT	0.5	GCMSQ	TO-15	
MSQ214-IC214	Q3983.D	07/16/07 21:09	DFT	0.2	GCMSQ	TO-15	

Target Compound	RT (min.)	Istd RT (min.)	Rel RT		Mean Rel RT	Rel RT Range (+/- .06)
2-Hexanone	13.14	14.70	0.894	ok	0.894	0.834-0.954
Isopropylbenzene	16.47	14.70	1.120	ok	1.120	1.060-1.180
Isopropyl Alcohol	5.82	8.63	0.674	ok	0.676	0.616-0.736
Methylene chloride	6.54	8.63	0.758	ok	0.758	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	1.146	1.086-1.206
Methyl Tert Butyl Ether	7.71	8.63	0.893	ok	0.894	0.834-0.954
Nonane	16.03	14.70	1.090	ok	1.090	1.030-1.150
Pentane	6.14	8.63	0.711	ok	0.712	0.652-0.772
Propylene	3.97	8.63	0.460	ok	0.460	0.400-0.520
Styrene	15.71	14.70	1.069	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	1.075	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	20.31	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	11.17	10.46	1.068	ok	1.068	1.008-1.128
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	9.14	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	1.066	1.006-1.126
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	221510	ok	206550	123930-289170
1,4-Difluorobenzene	10.46	ok	10.46	10.13-10.79	1017396	ok	933706	560224-1307188
Chlorobenzene-D5	14.70	ok	14.70	14.37-15.03	906135	ok	816411	489847-1142975

Initial Calibration Retention Time/Internal Standard Area Summary

Job Number: M66801
Account: GEI GEI Consultants, Inc.
Project: GEI Tufts Street Somerville MA

Sample Number	Lab File ID	Injected	By	Level	Inst ID	Method	
MSQ214-IC214	Q3977.D	07/16/07 16:53	DFT	40	GCMSQ	TO-15	
MSQ214-IC214	Q3978.D	07/16/07 17:36	DFT	20	GCMSQ	TO-15	
MSQ214-ICC214	Q3979.D	07/16/07 18:18	DFT	10	GCMSQ	TO-15	Reporting this level
MSQ214-IC214	Q3980.D	07/16/07 19:01	DFT	5	GCMSQ	TO-15	
MSQ214-IC214	Q3981.D	07/16/07 19:44	DFT	2	GCMSQ	TO-15	
MSQ214-IC214	Q3982.D	07/16/07 20:26	DFT	0.5	GCMSQ	TO-15	
MSQ214-IC214	Q3983.D	07/16/07 21:09	DFT	0.2	GCMSQ	TO-15	

Target Compound	RT (min.)	Istd RT (min.)	Rel RT		Mean Rel RT	Rel RT Range (+/- .06)
Acetone	5.60	8.63	0.649	ok	0.649	0.589-0.709
1,3-Butadiene	4.56	8.63	0.528	ok	0.528	0.468-0.588
Benzene	10.15	10.46	0.970	ok	0.970	0.910-1.030
Bromodichloromethane	11.11	10.46	1.062	ok	1.062	1.002-1.122
Bromoform	15.42	14.71	1.048	ok	1.049	0.989-1.109
Bromomethane	4.83	8.63	0.560	ok	0.560	0.500-0.620
Bromoethene	5.37	8.63	0.622	ok	0.622	0.562-0.682
Benzyl Chloride	17.92	14.71	1.218	ok	1.219	1.159-1.279
Carbon disulfide	6.86	8.63	0.795	ok	0.795	0.735-0.855
Chlorobenzene	14.75	14.71	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	0.486	0.426-0.546
3-Chloropropene	6.66	8.63	0.772	ok	0.772	0.712-0.832
2-Chlorotoluene	17.02	14.71	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	0.996	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	14.71	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	14.71	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	1.144	1.084-1.204
m-Dichlorobenzene	17.94	14.71	1.220	ok	1.220	1.160-1.280
o-Dichlorobenzene	18.40	14.71	1.251	ok	1.251	1.191-1.311
p-Dichlorobenzene	18.01	14.71	1.224	ok	1.225	1.165-1.285
trans-1,3-Dichloropropene	12.46	10.46	1.191	ok	1.192	1.132-1.252
Ethanol	5.09	8.63	0.590	ok	0.591	0.531-0.651
Ethylbenzene	15.13	14.71	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	14.71	1.170	ok	1.171	1.111-1.231
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	11.41	10.46	1.091	ok	1.091	1.031-1.151
Hexachlorobutadiene	20.80	14.71	1.414	ok	1.415	1.355-1.475
Hexane	8.67	8.63	1.005	ok	1.004	0.944-1.064

Initial Calibration Retention Time/Internal Standard Area Summary

Job Number: M66801
Account: GEI GEI Consultants, Inc.
Project: GEI Tufts Street Somerville MA

Sample Number	Lab File ID	Injected	By	Level	Inst ID	Method	
MSQ214-IC214	Q3977.D	07/16/07 16:53	DFT	40	GCMSQ	TO-15	
MSQ214-IC214	Q3978.D	07/16/07 17:36	DFT	20	GCMSQ	TO-15	
MSQ214-ICC214	Q3979.D	07/16/07 18:18	DFT	10	GCMSQ	TO-15	Reporting this level
MSQ214-IC214	Q3980.D	07/16/07 19:01	DFT	5	GCMSQ	TO-15	
MSQ214-IC214	Q3981.D	07/16/07 19:44	DFT	2	GCMSQ	TO-15	
MSQ214-IC214	Q3982.D	07/16/07 20:26	DFT	0.5	GCMSQ	TO-15	
MSQ214-IC214	Q3983.D	07/16/07 21:09	DFT	0.2	GCMSQ	TO-15	

Target Compound	RT (min.)	Istd RT (min.)	Rel RT		Mean Rel RT	Rel RT Range (+/- .06)
2-Hexanone	13.15	14.71	0.894	ok	0.894	0.834-0.954
Isopropylbenzene	16.47	14.71	1.120	ok	1.120	1.060-1.180
Isopropyl Alcohol	5.82	8.63	0.674	ok	0.676	0.616-0.736
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	1.146	1.086-1.206
Methyl Tert Butyl Ether	7.71	8.63	0.893	ok	0.894	0.834-0.954
Nonane	16.03	14.71	1.090	ok	1.090	1.030-1.150
Pentane	6.14	8.63	0.711	ok	0.712	0.652-0.772
Propylene	3.97	8.63	0.460	ok	0.460	0.400-0.520
Styrene	15.70	14.71	1.067	ok	1.068	1.008-1.128
1,1,1-Trichloroethane	9.71	8.63	1.125	ok	1.125	1.065-1.185
1,1,2,2-Tetrachloroethane	15.81	14.71	1.075	ok	1.075	1.015-1.135
1,1,2-Trichloroethane	12.64	10.46	1.208	ok	1.209	1.149-1.269
1,2,4-Trichlorobenzene	20.31	14.71	1.381	ok	1.381	1.321-1.441
1,2,4-Trimethylbenzene	17.76	14.71	1.207	ok	1.208	1.148-1.268
1,3,5-Trimethylbenzene	17.29	14.71	1.175	ok	1.176	1.116-1.236
2,2,4-Trimethylpentane	11.17	10.46	1.068	ok	1.068	1.008-1.128
Tertiary Butyl Alcohol	6.43	8.63	0.745	ok	0.746	0.686-0.806
Tetrachloroethylene	14.06	14.71	0.956	ok	0.956	0.896-1.016
Tetrahydrofuran	9.14	8.63	1.059	ok	1.060	1.000-1.120
Toluene	12.92	10.46	1.235	ok	1.235	1.175-1.295
Trichloroethylene	11.15	10.46	1.066	ok	1.066	1.006-1.126
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	15.33	14.71	1.042	ok	1.042	0.982-1.102
o-Xylene	15.82	14.71	1.075	ok	1.076	1.016-1.136

Internal Standard	RT (min.)		Mean RT(min.)	RT Range (+/- 0.33)	Area		Mean Area	Area Range (+/- 40 %)
Bromochloromethane	8.63	ok	8.63	8.30-8.96	220494	ok	206550	123930-289170
1,4-Difluorobenzene	10.46	ok	10.46	10.13-10.79	1001449	ok	933706	560224-1307188
Chlorobenzene-D5	14.71	ok	14.70	14.37-15.03	880366	ok	816411	489847-1142975

Initial Calibration Retention Time/Internal Standard Area Summary

Job Number: M66801
Account: GEI GEI Consultants, Inc.
Project: GEI Tufts Street Somerville MA

Sample Number	Lab File ID	Injected	By	Level	Inst ID	Method	
MSQ214-IC214	Q3977.D	07/16/07 16:53	DFT	40	GCMSQ	TO-15	
MSQ214-IC214	Q3978.D	07/16/07 17:36	DFT	20	GCMSQ	TO-15	
MSQ214-ICC214	Q3979.D	07/16/07 18:18	DFT	10	GCMSQ	TO-15	
MSQ214-IC214	Q3980.D	07/16/07 19:01	DFT	5	GCMSQ	TO-15	Reporting this level
MSQ214-IC214	Q3981.D	07/16/07 19:44	DFT	2	GCMSQ	TO-15	
MSQ214-IC214	Q3982.D	07/16/07 20:26	DFT	0.5	GCMSQ	TO-15	
MSQ214-IC214	Q3983.D	07/16/07 21:09	DFT	0.2	GCMSQ	TO-15	

Target Compound	RT (min.)	Istd RT (min.)	Rel RT		Mean Rel RT	Rel RT Range (+/- .06)
Acetone	5.60	8.63	0.649	ok	0.649	0.589-0.709
1,3-Butadiene	4.56	8.63	0.528	ok	0.528	0.468-0.588
Benzene	10.15	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	15.43	14.70	1.050	ok	1.049	0.989-1.109
Bromomethane	4.84	8.63	0.561	ok	0.560	0.500-0.620
Bromoethene	5.37	8.63	0.622	ok	0.622	0.562-0.682
Benzyl Chloride	17.92	14.70	1.219	ok	1.219	1.159-1.279
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	4.19	8.63	0.486	ok	0.486	0.426-0.546
3-Chloropropene	6.66	8.63	0.772	ok	0.772	0.712-0.832
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	0.996	0.936-1.056
1,1-Dichloroethane	7.67	8.63	0.889	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	8.47	8.63	0.981	ok	0.981	0.921-1.041
cis-1,3-Dichloropropene	11.96	10.46	1.143	ok	1.144	1.084-1.204
m-Dichlorobenzene	17.94	14.70	1.220	ok	1.220	1.160-1.280
o-Dichlorobenzene	18.40	14.70	1.252	ok	1.251	1.191-1.311
p-Dichlorobenzene	18.01	14.70	1.225	ok	1.225	1.165-1.285
trans-1,3-Dichloropropene	12.46	10.46	1.191	ok	1.192	1.132-1.252
Ethanol	5.10	8.63	0.591	ok	0.591	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	1.171	1.111-1.231
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	11.41	10.46	1.091	ok	1.091	1.031-1.151
Hexachlorobutadiene	20.79	14.70	1.414	ok	1.415	1.355-1.475
Hexane	8.67	8.63	1.005	ok	1.004	0.944-1.064

Initial Calibration Retention Time/Internal Standard Area Summary

Job Number: M66801
Account: GEI GEI Consultants, Inc.
Project: GEI Tufts Street Somerville MA

Sample Number	Lab File ID	Injected	By	Level	Inst ID	Method	
MSQ214-IC214	Q3977.D	07/16/07 16:53	DFT	40	GCMSQ	TO-15	
MSQ214-IC214	Q3978.D	07/16/07 17:36	DFT	20	GCMSQ	TO-15	
MSQ214-ICC214	Q3979.D	07/16/07 18:18	DFT	10	GCMSQ	TO-15	
MSQ214-IC214	Q3980.D	07/16/07 19:01	DFT	5	GCMSQ	TO-15	Reporting this level
MSQ214-IC214	Q3981.D	07/16/07 19:44	DFT	2	GCMSQ	TO-15	
MSQ214-IC214	Q3982.D	07/16/07 20:26	DFT	0.5	GCMSQ	TO-15	
MSQ214-IC214	Q3983.D	07/16/07 21:09	DFT	0.2	GCMSQ	TO-15	

Target Compound	RT (min.)	Istd RT (min.)	Rel RT		Mean Rel RT	Rel RT Range (+/- .06)
2-Hexanone	13.15	14.70	0.895	ok	0.894	0.834-0.954
Isopropylbenzene	16.47	14.70	1.120	ok	1.120	1.060-1.180
Isopropyl Alcohol	5.83	8.63	0.676	ok	0.676	0.616-0.736
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	1.146	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	0.712	0.652-0.772
Propylene	3.96	8.63	0.459	ok	0.460	0.400-0.520
Styrene	15.70	14.70	1.068	ok	1.068	1.008-1.128
1,1,1-Trichloroethane	9.71	8.63	1.125	ok	1.125	1.065-1.185
1,1,2,2-Tetrachloroethane	15.81	14.70	1.076	ok	1.075	1.015-1.135
1,1,2-Trichloroethane	12.65	10.46	1.209	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	17.76	14.70	1.208	ok	1.208	1.148-1.268
1,3,5-Trimethylbenzene	17.29	14.70	1.176	ok	1.176	1.116-1.236
2,2,4-Trimethylpentane	11.17	10.46	1.068	ok	1.068	1.008-1.128
Tertiary Butyl Alcohol	6.44	8.63	0.746	ok	0.746	0.686-0.806
Tetrachloroethylene	14.06	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	12.93	10.46	1.236	ok	1.235	1.175-1.295
Trichloroethylene	11.14	10.46	1.065	ok	1.066	1.006-1.126
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	205904	ok	206550	123930-289170
1,4-Difluorobenzene	10.46	ok	10.46	10.13-10.79	947064	ok	933706	560224-1307188
Chlorobenzene-D5	14.70	ok	14.70	14.37-15.03	825944	ok	816411	489847-1142975

Initial Calibration Retention Time/Internal Standard Area Summary

Job Number: M66801
Account: GEI GEI Consultants, Inc.
Project: GEI Tufts Street Somerville MA

Sample Number	Lab File ID	Injected	By	Level	Inst ID	Method	
MSQ214-IC214	Q3977.D	07/16/07 16:53	DFT	40	GCMSQ	TO-15	
MSQ214-IC214	Q3978.D	07/16/07 17:36	DFT	20	GCMSQ	TO-15	
MSQ214-ICC214	Q3979.D	07/16/07 18:18	DFT	10	GCMSQ	TO-15	
MSQ214-IC214	Q3980.D	07/16/07 19:01	DFT	5	GCMSQ	TO-15	
MSQ214-IC214	Q3981.D	07/16/07 19:44	DFT	2	GCMSQ	TO-15	Reporting this level
MSQ214-IC214	Q3982.D	07/16/07 20:26	DFT	0.5	GCMSQ	TO-15	
MSQ214-IC214	Q3983.D	07/16/07 21:09	DFT	0.2	GCMSQ	TO-15	

Target Compound	RT (min.)	Istd RT (min.)	Rel RT		Mean Rel RT	Rel RT Range (+/- .06)
Acetone	5.61	8.63	0.650	ok	0.649	0.589-0.709
1,3-Butadiene	4.56	8.63	0.528	ok	0.528	0.468-0.588
Benzene	10.15	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	4.84	8.63	0.561	ok	0.560	0.500-0.620
Bromoethene	5.37	8.63	0.622	ok	0.622	0.562-0.682
Benzyl Chloride	17.92	14.70	1.219	ok	1.219	1.159-1.279
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	0.486	0.426-0.546
3-Chloropropene	6.65	8.63	0.771	ok	0.772	0.712-0.832
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	10.42	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	13.60	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	10.93	10.46	1.045	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	8.47	8.63	0.981	ok	0.981	0.921-1.041
cis-1,3-Dichloropropene	11.96	10.46	1.143	ok	1.144	1.084-1.204
m-Dichlorobenzene	17.94	14.70	1.220	ok	1.220	1.160-1.280
o-Dichlorobenzene	18.40	14.70	1.252	ok	1.251	1.191-1.311
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	1.192	1.132-1.252
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	1.171	1.111-1.231
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	11.41	10.46	1.091	ok	1.091	1.031-1.151
Hexachlorobutadiene	20.80	14.70	1.415	ok	1.415	1.355-1.475
Hexane	8.67	8.63	1.005	ok	1.004	0.944-1.064

Initial Calibration Retention Time/Internal Standard Area Summary

Job Number: M66801
Account: GEI GEI Consultants, Inc.
Project: GEI Tufts Street Somerville MA

Sample Number	Lab File ID	Injected	By	Level	Inst ID	Method	
MSQ214-IC214	Q3977.D	07/16/07 16:53	DFT	40	GCMSQ	TO-15	
MSQ214-IC214	Q3978.D	07/16/07 17:36	DFT	20	GCMSQ	TO-15	
MSQ214-ICC214	Q3979.D	07/16/07 18:18	DFT	10	GCMSQ	TO-15	
MSQ214-IC214	Q3980.D	07/16/07 19:01	DFT	5	GCMSQ	TO-15	
MSQ214-IC214	Q3981.D	07/16/07 19:44	DFT	2	GCMSQ	TO-15	Reporting this level
MSQ214-IC214	Q3982.D	07/16/07 20:26	DFT	0.5	GCMSQ	TO-15	
MSQ214-IC214	Q3983.D	07/16/07 21:09	DFT	0.2	GCMSQ	TO-15	

Target Compound	RT (min.)	Istd RT (min.)	Rel RT		Mean Rel RT	Rel RT Range (+/- .06)
2-Hexanone	13.15	14.70	0.895	ok	0.894	0.834-0.954
Isopropylbenzene	16.47	14.70	1.120	ok	1.120	1.060-1.180
Isopropyl Alcohol	5.83	8.63	0.676	ok	0.676	0.616-0.736
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	11.99	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	0.712	0.652-0.772
Propylene	3.97	8.63	0.460	ok	0.460	0.400-0.520
Styrene	15.70	14.70	1.068	ok	1.068	1.008-1.128
1,1,1-Trichloroethane	9.71	8.63	1.125	ok	1.125	1.065-1.185
1,1,2,2-Tetrachloroethane	15.81	14.70	1.076	ok	1.075	1.015-1.135
1,1,2-Trichloroethane	12.65	10.46	1.209	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	17.76	14.70	1.208	ok	1.208	1.148-1.268
1,3,5-Trimethylbenzene	17.29	14.70	1.176	ok	1.176	1.116-1.236
2,2,4-Trimethylpentane	11.17	10.46	1.068	ok	1.068	1.008-1.128
Tertiary Butyl Alcohol	6.45	8.63	0.747	ok	0.746	0.686-0.806
Tetrachloroethylene	14.06	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	11.15	10.46	1.066	ok	1.066	1.006-1.126
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	15.30	14.70	1.041	ok	1.042	0.982-1.102
o-Xylene	15.83	14.70	1.077	ok	1.076	1.016-1.136

Internal Standard	RT (min.)		Mean RT(min.)	RT Range (+/- 0.33)	Area		Mean Area	Area Range (+/- 40 %)
Bromochloromethane	8.63	ok	8.63	8.30-8.96	202445	ok	206550	123930-289170
1,4-Difluorobenzene	10.46	ok	10.46	10.13-10.79	918040	ok	933706	560224-1307188
Chlorobenzene-D5	14.70	ok	14.70	14.37-15.03	788203	ok	816411	489847-1142975

Initial Calibration Retention Time/Internal Standard Area Summary

Job Number: M66801
Account: GEI GEI Consultants, Inc.
Project: GEI Tufts Street Somerville MA

Sample Number	Lab File ID	Injected	By	Level	Inst ID	Method	
MSQ214-IC214	Q3977.D	07/16/07 16:53	DFT	40	GCMSQ	TO-15	
MSQ214-IC214	Q3978.D	07/16/07 17:36	DFT	20	GCMSQ	TO-15	
MSQ214-ICC214	Q3979.D	07/16/07 18:18	DFT	10	GCMSQ	TO-15	
MSQ214-IC214	Q3980.D	07/16/07 19:01	DFT	5	GCMSQ	TO-15	
MSQ214-IC214	Q3981.D	07/16/07 19:44	DFT	2	GCMSQ	TO-15	
MSQ214-IC214	Q3982.D	07/16/07 20:26	DFT	0.5	GCMSQ	TO-15	Reporting this level
MSQ214-IC214	Q3983.D	07/16/07 21:09	DFT	0.2	GCMSQ	TO-15	

Target Compound	RT (min.)	Istd RT (min.)	Rel RT		Mean Rel RT	Rel RT Range (+/- .06)
Acetone	5.61	8.64	0.649	ok	0.649	0.589-0.709
1,3-Butadiene	4.55	8.64	0.527	ok	0.528	0.468-0.588
Benzene	10.15	10.46	0.970	ok	0.970	0.910-1.030
Bromodichloromethane	11.10	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	8.64	0.559	ok	0.560	0.500-0.620
Bromoethene	5.37	8.64	0.622	ok	0.622	0.562-0.682
Benzyl Chloride	17.92	14.70	1.219	ok	1.219	1.159-1.279
Carbon disulfide	6.86	8.64	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	8.64	0.580	ok	0.580	0.520-0.640
Chloroform	8.75	8.64	1.013	ok	1.014	0.954-1.074
Chloromethane	4.19	8.64	0.485	ok	0.486	0.426-0.546
3-Chloropropene	6.66	8.64	0.771	ok	0.772	0.712-0.832
2-Chlorotoluene	17.02	14.70	1.158	ok	1.158	1.098-1.218
Carbon tetrachloride	10.29	8.64	1.191	ok	1.192	1.132-1.252
Cyclohexane	10.42	10.46	0.996	ok	0.996	0.936-1.056
1,1-Dichloroethane	7.67	8.64	0.888	ok	0.888	0.828-0.948
1,1-Dichloroethylene	6.43	8.64	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	8.64	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
1,4-Dioxane	11.16	10.46	1.067	ok	1.065	1.005-1.125
Dichlorodifluoromethane	4.04	8.64	0.468	ok	0.468	0.408-0.528
Dibromochloromethane	13.35	14.70	0.908	ok	0.908	0.848-0.968
trans-1,2-Dichloroethylene	7.47	8.64	0.865	ok	0.865	0.805-0.925
cis-1,2-Dichloroethylene	8.47	8.64	0.980	ok	0.981	0.921-1.041
cis-1,3-Dichloropropene	11.97	10.46	1.144	ok	1.144	1.084-1.204
m-Dichlorobenzene	17.94	14.70	1.220	ok	1.220	1.160-1.280
o-Dichlorobenzene	18.40	14.70	1.252	ok	1.251	1.191-1.311
p-Dichlorobenzene	18.01	14.70	1.225	ok	1.225	1.165-1.285
trans-1,3-Dichloropropene	12.46	10.46	1.191	ok	1.192	1.132-1.252
Ethanol	5.12	8.64	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	8.68	8.64	1.005	ok	1.004	0.944-1.064
4-Ethyltoluene	17.21	14.70	1.171	ok	1.171	1.111-1.231
Freon 113	6.80	8.64	0.787	ok	0.788	0.728-0.848
Freon 114	4.30	8.64	0.498	ok	0.498	0.438-0.558
Heptane	11.40	10.46	1.090	ok	1.091	1.031-1.151
Hexachlorobutadiene	20.80	14.70	1.415	ok	1.415	1.355-1.475
Hexane	8.67	8.64	1.003	ok	1.004	0.944-1.064

Initial Calibration Retention Time/Internal Standard Area Summary

Job Number: M66801
Account: GEI GEI Consultants, Inc.
Project: GEI Tufts Street Somerville MA

Sample Number	Lab File ID	Injected	By	Level	Inst ID	Method	
MSQ214-IC214	Q3977.D	07/16/07 16:53	DFT	40	GCMSQ	TO-15	
MSQ214-IC214	Q3978.D	07/16/07 17:36	DFT	20	GCMSQ	TO-15	
MSQ214-ICC214	Q3979.D	07/16/07 18:18	DFT	10	GCMSQ	TO-15	
MSQ214-IC214	Q3980.D	07/16/07 19:01	DFT	5	GCMSQ	TO-15	
MSQ214-IC214	Q3981.D	07/16/07 19:44	DFT	2	GCMSQ	TO-15	
MSQ214-IC214	Q3982.D	07/16/07 20:26	DFT	0.5	GCMSQ	TO-15	Reporting this level
MSQ214-IC214	Q3983.D	07/16/07 21:09	DFT	0.2	GCMSQ	TO-15	

Target Compound	RT (min.)	Istd RT (min.)	Rel RT		Mean Rel RT	Rel RT Range (+/- .06)
2-Hexanone	13.16	14.70	0.895	ok	0.894	0.834-0.954
Isopropylbenzene	16.47	14.70	1.120	ok	1.120	1.060-1.180
Isopropyl Alcohol	5.85	8.64	0.677	ok	0.676	0.616-0.736
Methylene chloride	6.53	8.64	0.756	ok	0.758	0.698-0.818
Methyl ethyl ketone	8.05	8.64	0.932	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	7.73	8.64	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	8.64	0.711	ok	0.712	0.652-0.772
Propylene	3.97	8.64	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	8.64	1.124	ok	1.125	1.065-1.185
1,1,2,2-Tetrachloroethane	15.81	14.70	1.076	ok	1.075	1.015-1.135
1,1,2-Trichloroethane	12.64	10.46	1.208	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	17.76	14.70	1.208	ok	1.208	1.148-1.268
1,3,5-Trimethylbenzene	17.30	14.70	1.177	ok	1.176	1.116-1.236
2,2,4-Trimethylpentane	11.17	10.46	1.068	ok	1.068	1.008-1.128
Tertiary Butyl Alcohol	6.46	8.64	0.748	ok	0.746	0.686-0.806
Tetrachloroethylene	14.06	14.70	0.956	ok	0.956	0.896-1.016
Tetrahydrofuran	9.17	8.64	1.061	ok	1.060	1.000-1.120
Toluene	12.92	10.46	1.235	ok	1.235	1.175-1.295
Trichloroethylene	11.15	10.46	1.066	ok	1.066	1.006-1.126
Trichlorofluoromethane	5.79	8.64	0.670	ok	0.671	0.611-0.731
Vinyl chloride	4.42	8.64	0.512	ok	0.512	0.452-0.572
Vinyl Acetate	7.80	8.64	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	8.64	ok	8.63	8.30-8.96	196436	ok	206550	123930-289170
1,4-Difluorobenzene	10.46	ok	10.46	10.13-10.79	898497	ok	933706	560224-1307188
Chlorobenzene-D5	14.70	ok	14.70	14.37-15.03	762074	ok	816411	489847-1142975

Initial Calibration Retention Time/Internal Standard Area Summary

Job Number: M66801
Account: GEI GEI Consultants, Inc.
Project: GEI Tufts Street Somerville MA

Sample Number	Lab File ID	Injected	By	Level	Inst ID	Method	
MSQ214-IC214	Q3977.D	07/16/07 16:53	DFT	40	GCMSQ	TO-15	
MSQ214-IC214	Q3978.D	07/16/07 17:36	DFT	20	GCMSQ	TO-15	
MSQ214-ICC214	Q3979.D	07/16/07 18:18	DFT	10	GCMSQ	TO-15	
MSQ214-IC214	Q3980.D	07/16/07 19:01	DFT	5	GCMSQ	TO-15	
MSQ214-IC214	Q3981.D	07/16/07 19:44	DFT	2	GCMSQ	TO-15	
MSQ214-IC214	Q3982.D	07/16/07 20:26	DFT	0.5	GCMSQ	TO-15	
MSQ214-IC214	Q3983.D	07/16/07 21:09	DFT	0.2	GCMSQ	TO-15	Reporting this level

Target Compound	RT (min.)	Istd RT (min.)	Rel RT		Mean Rel RT	Rel RT Range (+/- .06)
Acetone	5.62	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	11.11	10.46	1.062	ok	1.062	1.002-1.122
Bromoform	15.43	14.70	1.050	ok	1.049	0.989-1.109
Bromomethane	4.83	8.63	0.560	ok	0.560	0.500-0.620
Bromoethene	5.37	8.63	0.622	ok	0.622	0.562-0.682
Benzyl Chloride	17.91	14.70	1.218	ok	1.219	1.159-1.279
Carbon disulfide	6.86	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	0.486	0.426-0.546
3-Chloropropene	6.67	8.63	0.773	ok	0.772	0.712-0.832
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	10.42	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	13.60	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	11.17	10.46	1.068	ok	1.065	1.005-1.125
Dichlorodifluoromethane	4.04	8.63	0.468	ok	0.468	0.408-0.528
Dibromochloromethane	13.35	14.70	0.908	ok	0.908	0.848-0.968
trans-1,2-Dichloroethylene	7.47	8.63	0.866	ok	0.865	0.805-0.925
cis-1,2-Dichloroethylene	8.48	8.63	0.983	ok	0.981	0.921-1.041
cis-1,3-Dichloropropene	11.97	10.46	1.144	ok	1.144	1.084-1.204
m-Dichlorobenzene	17.94	14.70	1.220	ok	1.220	1.160-1.280
o-Dichlorobenzene	18.40	14.70	1.252	ok	1.251	1.191-1.311
p-Dichlorobenzene	18.02	14.70	1.226	ok	1.225	1.165-1.285
trans-1,3-Dichloropropene	12.47	10.46	1.192	ok	1.192	1.132-1.252
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	17.21	14.70	1.171	ok	1.171	1.111-1.231
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	11.41	10.46	1.091	ok	1.091	1.031-1.151
Hexachlorobutadiene	20.80	14.70	1.415	ok	1.415	1.355-1.475
Hexane	8.66	8.63	1.003	ok	1.004	0.944-1.064

Initial Calibration Retention Time/Internal Standard Area Summary

Job Number: M66801
Account: GEI GEI Consultants, Inc.
Project: GEI Tufts Street Somerville MA

Sample Number	Lab File ID	Injected	By	Level	Inst ID	Method	
MSQ214-IC214	Q3977.D	07/16/07 16:53	DFT	40	GCMSQ	TO-15	
MSQ214-IC214	Q3978.D	07/16/07 17:36	DFT	20	GCMSQ	TO-15	
MSQ214-ICC214	Q3979.D	07/16/07 18:18	DFT	10	GCMSQ	TO-15	
MSQ214-IC214	Q3980.D	07/16/07 19:01	DFT	5	GCMSQ	TO-15	
MSQ214-IC214	Q3981.D	07/16/07 19:44	DFT	2	GCMSQ	TO-15	
MSQ214-IC214	Q3982.D	07/16/07 20:26	DFT	0.5	GCMSQ	TO-15	
MSQ214-IC214	Q3983.D	07/16/07 21:09	DFT	0.2	GCMSQ	TO-15	Reporting this level

Target Compound	RT (min.)	Istd RT (min.)	Rel RT		Mean Rel RT	Rel RT Range (+/- .06)
2-Hexanone	13.16	14.70	0.895	ok	0.894	0.834-0.954
Isopropylbenzene	16.46	14.70	1.120	ok	1.120	1.060-1.180
Isopropyl Alcohol	5.84	8.63	0.677	ok	0.676	0.616-0.736
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	11.99	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	6.15	8.63	0.713	ok	0.712	0.652-0.772
Propylene	3.96	8.63	0.459	ok	0.460	0.400-0.520
Styrene	15.71	14.70	1.069	ok	1.068	1.008-1.128
1,1,1-Trichloroethane	9.72	8.63	1.126	ok	1.125	1.065-1.185
1,1,2,2-Tetrachloroethane	15.81	14.70	1.076	ok	1.075	1.015-1.135
1,1,2-Trichloroethane	12.64	10.46	1.208	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	17.76	14.70	1.208	ok	1.208	1.148-1.268
1,3,5-Trimethylbenzene	17.29	14.70	1.176	ok	1.176	1.116-1.236
2,2,4-Trimethylpentane	11.17	10.46	1.068	ok	1.068	1.008-1.128
Tertiary Butyl Alcohol	6.46	8.63	0.749	ok	0.746	0.686-0.806
Tetrachloroethylene	14.06	14.70	0.956	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	1.066	1.006-1.126
Trichlorofluoromethane	5.79	8.63	0.671	ok	0.671	0.611-0.731
Vinyl chloride	4.43	8.63	0.513	ok	0.512	0.452-0.572
Vinyl Acetate	7.79	8.63	0.903	ok	0.903	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	189375	ok	206550	123930-289170
1,4-Difluorobenzene	10.46	ok	10.46	10.13-10.79	853254	ok	933706	560224-1307188
Chlorobenzene-D5	14.70	ok	14.70	14.37-15.03	728923	ok	816411	489847-1142975

Initial Calibration Retention Time/Internal Standard Area Summary

Job Number: M66801
Account: GEI GEI Consultants, Inc.
Project: GEI Tufts Street Somerville MA

Sample Number	Lab File ID	Injected	By	Level	Inst ID	Method	
MSQ223-IC223	Q4200.D	08/07/07 11:13	DFT	0.5	GCMSQ	TO-15	Reporting this level
MSQ223-IC223	Q4201.D	08/07/07 11:59	DFT	0.2	GCMSQ	TO-15	
MSQ223-IC223	Q4202.D	08/07/07 12:43	DFT	40	GCMSQ	TO-15	
MSQ223-IC223	Q4203.D	08/07/07 13:28	DFT	20	GCMSQ	TO-15	
MSQ223-ICC223	Q4204.D	08/07/07 14:14	DFT	10	GCMSQ	TO-15	
MSQ223-IC223	Q4205.D	08/07/07 15:01	DFT	5	GCMSQ	TO-15	
MSQ223-IC223	Q4206.D	08/07/07 15:50	DFT	2	GCMSQ	TO-15	

Target Compound	RT (min.)	Istd RT (min.)	Rel RT		Mean Rel RT	Rel RT Range (+/- .06)
Acetone	5.61	8.63	0.650	ok	0.649	0.589-0.709
1,3-Butadiene	4.56	8.63	0.528	ok	0.528	0.468-0.588
Benzene	10.14	10.46	0.969	ok	0.970	0.910-1.030
Bromodichloromethane	11.11	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	0.622	0.562-0.682
Benzyl Chloride	17.92	14.70	1.219	ok	1.219	1.159-1.279
Carbon disulfide	6.86	8.63	0.795	ok	0.795	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	0.486	0.426-0.546
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	10.42	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	6.43	8.63	0.745	ok	0.745	0.685-0.805
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	4.03	8.63	0.467	ok	0.467	0.407-0.527
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	5.10	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	1.171	1.111-1.231
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	11.41	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: M66801
Account: GEI GEI Consultants, Inc.
Project: GEI Tufts Street Somerville MA

Sample Number	Lab File ID	Injected	By	Level	Inst ID	Method	
MSQ223-IC223	Q4200.D	08/07/07 11:13	DFT	0.5	GCMSQ	TO-15	Reporting this level
MSQ223-IC223	Q4201.D	08/07/07 11:59	DFT	0.2	GCMSQ	TO-15	
MSQ223-IC223	Q4202.D	08/07/07 12:43	DFT	40	GCMSQ	TO-15	
MSQ223-IC223	Q4203.D	08/07/07 13:28	DFT	20	GCMSQ	TO-15	
MSQ223-ICC223	Q4204.D	08/07/07 14:14	DFT	10	GCMSQ	TO-15	
MSQ223-IC223	Q4205.D	08/07/07 15:01	DFT	5	GCMSQ	TO-15	
MSQ223-IC223	Q4206.D	08/07/07 15:50	DFT	2	GCMSQ	TO-15	

Target Compound	RT (min.)	Istd RT (min.)	Rel RT		Mean Rel RT	Rel RT Range (+/- .06)
2-Hexanone	13.15	14.70	0.895	ok	0.894	0.834-0.954
Isopropylbenzene	16.46	14.70	1.120	ok	1.120	1.060-1.180
Isopropyl Alcohol	5.84	8.63	0.677	ok	0.676	0.616-0.736
Methylene chloride	6.54	8.63	0.758	ok	0.757	0.697-0.817
Methyl ethyl ketone	8.05	8.63	0.933	ok	0.931	0.871-0.991
Methyl Isobutyl Ketone	11.99	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	6.14	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	9.71	8.63	1.125	ok	1.125	1.065-1.185
1,1,2,2-Tetrachloroethane	15.81	14.70	1.076	ok	1.075	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	20.31	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	11.17	10.46	1.068	ok	1.068	1.008-1.128
Tertiary Butyl Alcohol	6.46	8.63	0.749	ok	0.746	0.686-0.806
Tetrachloroethylene	14.06	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	1.066	1.006-1.126
Trichlorofluoromethane	5.78	8.63	0.670	ok	0.670	0.610-0.730
Vinyl chloride	4.42	8.63	0.512	ok	0.512	0.452-0.572
Vinyl Acetate	7.79	8.63	0.903	ok	0.902	0.842-0.962
m,p-Xylene	15.31	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	170359	ok	160461	96277-224645
1,4-Difluorobenzene	10.46	ok	10.46	10.13-10.79	757572	ok	723600	434160-1013040
Chlorobenzene-D5	14.70	ok	14.70	14.37-15.03	660977	ok	639338	383603-895073

Initial Calibration Retention Time/Internal Standard Area Summary

Job Number: M66801
Account: GEI GEI Consultants, Inc.
Project: GEI Tufts Street Somerville MA

Sample Number	Lab File ID	Injected	By	Level	Inst ID	Method	
MSQ223-IC223	Q4200.D	08/07/07 11:13	DFT	0.5	GCMSQ	TO-15	
MSQ223-IC223	Q4201.D	08/07/07 11:59	DFT	0.2	GCMSQ	TO-15	Reporting this level
MSQ223-IC223	Q4202.D	08/07/07 12:43	DFT	40	GCMSQ	TO-15	
MSQ223-IC223	Q4203.D	08/07/07 13:28	DFT	20	GCMSQ	TO-15	
MSQ223-ICC223	Q4204.D	08/07/07 14:14	DFT	10	GCMSQ	TO-15	
MSQ223-IC223	Q4205.D	08/07/07 15:01	DFT	5	GCMSQ	TO-15	
MSQ223-IC223	Q4206.D	08/07/07 15:50	DFT	2	GCMSQ	TO-15	

Target Compound	RT (min.)	Istd RT (min.)	Rel RT		Mean Rel RT	Rel RT Range (+/- .06)
Acetone	5.61	8.63	0.650	ok	0.649	0.589-0.709
1,3-Butadiene	4.55	8.63	0.527	ok	0.528	0.468-0.588
Benzene	10.15	10.46	0.970	ok	0.970	0.910-1.030
Bromodichloromethane	11.10	10.46	1.061	ok	1.062	1.002-1.122
Bromoform	15.42	14.70	1.049	ok	1.049	0.989-1.109
Bromomethane	4.83	8.63	0.560	ok	0.560	0.500-0.620
Bromoethene	5.37	8.63	0.622	ok	0.622	0.562-0.682
Benzyl Chloride	17.92	14.70	1.219	ok	1.219	1.159-1.279
Carbon disulfide	6.86	8.63	0.795	ok	0.795	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	4.19	8.63	0.486	ok	0.486	0.426-0.546
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	7.67	8.63	0.889	ok	0.888	0.828-0.948
1,1-Dichloroethylene	6.43	8.63	0.745	ok	0.745	0.685-0.805
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	10.93	10.46	1.045	ok	1.044	0.984-1.104
Dichlorodifluoromethane	4.03	8.63	0.467	ok	0.467	0.407-0.527
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	8.46	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	17.94	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	5.12	8.63	0.593	ok	0.591	0.531-0.651
Ethylbenzene	15.12	14.70	1.029	ok	1.029	0.969-1.089
Ethyl Acetate	8.68	8.63	1.006	ok	1.004	0.944-1.064
4-Ethyltoluene	17.21	14.70	1.171	ok	1.171	1.111-1.231
Freon 113	6.81	8.63	0.789	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	13.15	14.70	0.895	ok	0.894	0.834-0.954

Initial Calibration Retention Time/Internal Standard Area Summary

Job Number: M66801
Account: GEI GEI Consultants, Inc.
Project: GEI Tufts Street Somerville MA

Sample Number	Lab File ID	Injected	By	Level	Inst ID	Method	
MSQ223-IC223	Q4200.D	08/07/07 11:13	DFT	0.5	GCMSQ	TO-15	
MSQ223-IC223	Q4201.D	08/07/07 11:59	DFT	0.2	GCMSQ	TO-15	Reporting this level
MSQ223-IC223	Q4202.D	08/07/07 12:43	DFT	40	GCMSQ	TO-15	
MSQ223-IC223	Q4203.D	08/07/07 13:28	DFT	20	GCMSQ	TO-15	
MSQ223-ICC223	Q4204.D	08/07/07 14:14	DFT	10	GCMSQ	TO-15	
MSQ223-IC223	Q4205.D	08/07/07 15:01	DFT	5	GCMSQ	TO-15	
MSQ223-IC223	Q4206.D	08/07/07 15:50	DFT	2	GCMSQ	TO-15	

Target Compound	RT (min.)	Istd RT (min.)	Rel RT		Mean Rel RT	Rel RT Range (+/- .06)
Isopropylbenzene	16.47	14.70	1.120	ok	1.120	1.060-1.180
Isopropyl Alcohol	5.84	8.63	0.677	ok	0.676	0.616-0.736
Methylene chloride	6.53	8.63	0.757	ok	0.757	0.697-0.817
Methyl ethyl ketone	8.06	8.63	0.934	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	7.73	8.63	0.896	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	0.459	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	1.125	1.065-1.185
1,1,2,2-Tetrachloroethane	15.81	14.70	1.076	ok	1.075	1.015-1.135
1,1,2-Trichloroethane	12.64	10.46	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	1.068	1.008-1.128
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	9.17	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	11.15	10.46	1.066	ok	1.066	1.006-1.126
Trichlorofluoromethane	5.79	8.63	0.671	ok	0.670	0.610-0.730
Vinyl chloride	4.41	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	15.31	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	172313	ok	160461	96277-224645
1,4-Difluorobenzene	10.46	ok	10.46	10.13-10.79	754783	ok	723600	434160-1013040
Chlorobenzene-D5	14.70	ok	14.70	14.37-15.03	668307	ok	639338	383603-895073

Initial Calibration Retention Time/Internal Standard Area Summary

Job Number: M66801
Account: GEI GEI Consultants, Inc.
Project: GEI Tufts Street Somerville MA

Sample Number	Lab File ID	Injected	By	Level	Inst ID	Method	
MSQ223-IC223	Q4200.D	08/07/07 11:13	DFT	0.5	GCMSQ	TO-15	
MSQ223-IC223	Q4201.D	08/07/07 11:59	DFT	0.2	GCMSQ	TO-15	
MSQ223-IC223	Q4202.D	08/07/07 12:43	DFT	40	GCMSQ	TO-15	Reporting this level
MSQ223-IC223	Q4203.D	08/07/07 13:28	DFT	20	GCMSQ	TO-15	
MSQ223-ICC223	Q4204.D	08/07/07 14:14	DFT	10	GCMSQ	TO-15	
MSQ223-IC223	Q4205.D	08/07/07 15:01	DFT	5	GCMSQ	TO-15	
MSQ223-IC223	Q4206.D	08/07/07 15:50	DFT	2	GCMSQ	TO-15	

Target Compound	RT (min.)	Istd RT (min.)	Rel RT		Mean Rel RT	Rel RT Range (+/- .06)
Acetone	5.59	8.63	0.648	ok	0.649	0.589-0.709
1,3-Butadiene	4.56	8.63	0.528	ok	0.528	0.468-0.588
Benzene	10.15	10.46	0.970	ok	0.970	0.910-1.030
Bromodichloromethane	11.11	10.46	1.062	ok	1.062	1.002-1.122
Bromoform	15.43	14.71	1.049	ok	1.049	0.989-1.109
Bromomethane	4.83	8.63	0.560	ok	0.560	0.500-0.620
Bromoethene	5.37	8.63	0.622	ok	0.622	0.562-0.682
Benzyl Chloride	17.92	14.71	1.218	ok	1.219	1.159-1.279
Carbon disulfide	6.86	8.63	0.795	ok	0.795	0.735-0.855
Chlorobenzene	14.75	14.71	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	0.486	0.426-0.546
3-Chloropropene	6.66	8.63	0.772	ok	0.771	0.711-0.831
2-Chlorotoluene	17.02	14.71	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	0.745	0.685-0.805
1,2-Dibromoethane	13.60	14.71	0.925	ok	0.925	0.865-0.985
1,2-Dichloroethane	9.46	8.63	1.096	ok	1.096	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	0.467	0.407-0.527
Dibromochloromethane	13.35	14.71	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	14.71	1.220	ok	1.220	1.160-1.280
o-Dichlorobenzene	18.40	14.71	1.251	ok	1.252	1.192-1.312
p-Dichlorobenzene	18.02	14.71	1.225	ok	1.225	1.165-1.285
trans-1,3-Dichloropropene	12.46	10.46	1.191	ok	1.191	1.131-1.251
Ethanol	5.10	8.63	0.591	ok	0.591	0.531-0.651
Ethylbenzene	15.13	14.71	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	14.71	1.170	ok	1.171	1.111-1.231
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	11.41	10.46	1.091	ok	1.090	1.030-1.150
Hexachlorobutadiene	20.79	14.71	1.413	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: M66801
Account: GEI GEI Consultants, Inc.
Project: GEI Tufts Street Somerville MA

Sample Number	Lab File ID	Injected	By	Level	Inst ID	Method	
MSQ223-IC223	Q4200.D	08/07/07 11:13	DFT	0.5	GCMSQ	TO-15	
MSQ223-IC223	Q4201.D	08/07/07 11:59	DFT	0.2	GCMSQ	TO-15	
MSQ223-IC223	Q4202.D	08/07/07 12:43	DFT	40	GCMSQ	TO-15	Reporting this level
MSQ223-IC223	Q4203.D	08/07/07 13:28	DFT	20	GCMSQ	TO-15	
MSQ223-ICC223	Q4204.D	08/07/07 14:14	DFT	10	GCMSQ	TO-15	
MSQ223-IC223	Q4205.D	08/07/07 15:01	DFT	5	GCMSQ	TO-15	
MSQ223-IC223	Q4206.D	08/07/07 15:50	DFT	2	GCMSQ	TO-15	

Target Compound	RT (min.)	Istd RT (min.)	Rel RT		Mean Rel RT	Rel RT Range (+/- .06)
2-Hexanone	13.15	14.71	0.894	ok	0.894	0.834-0.954
Isopropylbenzene	16.47	14.71	1.120	ok	1.120	1.060-1.180
Isopropyl Alcohol	5.82	8.63	0.674	ok	0.676	0.616-0.736
Methylene chloride	6.54	8.63	0.758	ok	0.757	0.697-0.817
Methyl ethyl ketone	8.03	8.63	0.930	ok	0.931	0.871-0.991
Methyl Isobutyl Ketone	11.98	10.46	1.145	ok	1.146	1.086-1.206
Methyl Tert Butyl Ether	7.70	8.63	0.892	ok	0.894	0.834-0.954
Nonane	16.03	14.71	1.090	ok	1.090	1.030-1.150
Pentane	6.14	8.63	0.711	ok	0.711	0.651-0.771
Propylene	3.96	8.63	0.459	ok	0.459	0.399-0.519
Styrene	15.71	14.71	1.068	ok	1.068	1.008-1.128
1,1,1-Trichloroethane	9.71	8.63	1.125	ok	1.125	1.065-1.185
1,1,2,2-Tetrachloroethane	15.81	14.71	1.075	ok	1.075	1.015-1.135
1,1,2-Trichloroethane	12.65	10.46	1.209	ok	1.209	1.149-1.269
1,2,4-Trichlorobenzene	20.30	14.71	1.380	ok	1.381	1.321-1.441
1,2,4-Trimethylbenzene	17.76	14.71	1.207	ok	1.208	1.148-1.268
1,3,5-Trimethylbenzene	17.29	14.71	1.175	ok	1.176	1.116-1.236
2,2,4-Trimethylpentane	11.17	10.46	1.068	ok	1.068	1.008-1.128
Tertiary Butyl Alcohol	6.43	8.63	0.745	ok	0.746	0.686-0.806
Tetrachloroethylene	14.06	14.71	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	11.15	10.46	1.066	ok	1.066	1.006-1.126
Trichlorofluoromethane	5.78	8.63	0.670	ok	0.670	0.610-0.730
Vinyl chloride	4.42	8.63	0.512	ok	0.512	0.452-0.572
Vinyl Acetate	7.79	8.63	0.903	ok	0.902	0.842-0.962
m,p-Xylene	15.33	14.71	1.042	ok	1.042	0.982-1.102
o-Xylene	15.83	14.71	1.076	ok	1.076	1.016-1.136

Internal Standard	RT (min.)		Mean RT(min.)	RT Range (+/- 0.33)	Area		Mean Area	Area Range (+/- 40 %)
Bromochloromethane	8.63	ok	8.63	8.30-8.96	189089	ok	160461	96277-224645
1,4-Difluorobenzene	10.46	ok	10.46	10.13-10.79	829105	ok	723600	434160-1013040
Chlorobenzene-D5	14.71	ok	14.70	14.37-15.03	760820	ok	639338	383603-895073

Initial Calibration Retention Time/Internal Standard Area Summary

Job Number: M66801
Account: GEI GEI Consultants, Inc.
Project: GEI Tufts Street Somerville MA

Sample Number	Lab File ID	Injected	By	Level	Inst ID	Method	
MSQ223-IC223	Q4200.D	08/07/07 11:13	DFT	0.5	GCMSQ	TO-15	
MSQ223-IC223	Q4201.D	08/07/07 11:59	DFT	0.2	GCMSQ	TO-15	
MSQ223-IC223	Q4202.D	08/07/07 12:43	DFT	40	GCMSQ	TO-15	
MSQ223-IC223	Q4203.D	08/07/07 13:28	DFT	20	GCMSQ	TO-15	Reporting this level
MSQ223-ICC223	Q4204.D	08/07/07 14:14	DFT	10	GCMSQ	TO-15	
MSQ223-IC223	Q4205.D	08/07/07 15:01	DFT	5	GCMSQ	TO-15	
MSQ223-IC223	Q4206.D	08/07/07 15:50	DFT	2	GCMSQ	TO-15	

Target Compound	RT (min.)	Istd RT (min.)	Rel RT		Mean Rel RT	Rel RT Range (+/- .06)
Acetone	5.59	8.63	0.648	ok	0.649	0.589-0.709
1,3-Butadiene	4.56	8.63	0.528	ok	0.528	0.468-0.588
Benzene	10.15	10.46	0.970	ok	0.970	0.910-1.030
Bromodichloromethane	11.11	10.46	1.062	ok	1.062	1.002-1.122
Bromoform	15.42	14.70	1.049	ok	1.049	0.989-1.109
Bromomethane	4.83	8.63	0.560	ok	0.560	0.500-0.620
Bromoethene	5.36	8.63	0.621	ok	0.622	0.562-0.682
Benzyl Chloride	17.92	14.70	1.219	ok	1.219	1.159-1.279
Carbon disulfide	6.86	8.63	0.795	ok	0.795	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	0.486	0.426-0.546
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	0.745	0.685-0.805
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	0.467	0.407-0.527
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	1.171	1.111-1.231
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	8.67	8.63	1.005	ok	1.004	0.944-1.064

Initial Calibration Retention Time/Internal Standard Area Summary

Job Number: M66801
Account: GEI GEI Consultants, Inc.
Project: GEI Tufts Street Somerville MA

Sample Number	Lab File ID	Injected	By	Level	Inst ID	Method	
MSQ223-IC223	Q4200.D	08/07/07 11:13	DFT	0.5	GCMSQ	TO-15	
MSQ223-IC223	Q4201.D	08/07/07 11:59	DFT	0.2	GCMSQ	TO-15	
MSQ223-IC223	Q4202.D	08/07/07 12:43	DFT	40	GCMSQ	TO-15	
MSQ223-IC223	Q4203.D	08/07/07 13:28	DFT	20	GCMSQ	TO-15	Reporting this level
MSQ223-ICC223	Q4204.D	08/07/07 14:14	DFT	10	GCMSQ	TO-15	
MSQ223-IC223	Q4205.D	08/07/07 15:01	DFT	5	GCMSQ	TO-15	
MSQ223-IC223	Q4206.D	08/07/07 15:50	DFT	2	GCMSQ	TO-15	

Target Compound	RT (min.)	Istd RT (min.)	Rel RT		Mean Rel RT	Rel RT Range (+/- .06)
2-Hexanone	13.14	14.70	0.894	ok	0.894	0.834-0.954
Isopropylbenzene	16.47	14.70	1.120	ok	1.120	1.060-1.180
Isopropyl Alcohol	5.82	8.63	0.674	ok	0.676	0.616-0.736
Methylene chloride	6.54	8.63	0.758	ok	0.757	0.697-0.817
Methyl ethyl ketone	8.02	8.63	0.929	ok	0.931	0.871-0.991
Methyl Isobutyl Ketone	11.98	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	0.459	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	1.125	1.065-1.185
1,1,2,2-Tetrachloroethane	15.81	14.70	1.076	ok	1.075	1.015-1.135
1,1,2-Trichloroethane	12.64	10.46	1.208	ok	1.209	1.149-1.269
1,2,4-Trichlorobenzene	20.30	14.70	1.381	ok	1.381	1.321-1.441
1,2,4-Trimethylbenzene	17.76	14.70	1.208	ok	1.208	1.148-1.268
1,3,5-Trimethylbenzene	17.29	14.70	1.176	ok	1.176	1.116-1.236
2,2,4-Trimethylpentane	11.17	10.46	1.068	ok	1.068	1.008-1.128
Tertiary Butyl Alcohol	6.42	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	1.066	1.006-1.126
Trichlorofluoromethane	5.79	8.63	0.671	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	110391	ok	160461	96277-224645
1,4-Difluorobenzene	10.46	ok	10.46	10.13-10.79	518433	ok	723600	434160-1013040
Chlorobenzene-D5	14.70	ok	14.70	14.37-15.03	459325	ok	639338	383603-895073

Initial Calibration Retention Time/Internal Standard Area Summary

Job Number: M66801
Account: GEI GEI Consultants, Inc.
Project: GEI Tufts Street Somerville MA

Sample Number	Lab File ID	Injected	By	Level	Inst ID	Method	
MSQ223-IC223	Q4200.D	08/07/07 11:13	DFT	0.5	GCMSQ	TO-15	
MSQ223-IC223	Q4201.D	08/07/07 11:59	DFT	0.2	GCMSQ	TO-15	
MSQ223-IC223	Q4202.D	08/07/07 12:43	DFT	40	GCMSQ	TO-15	
MSQ223-IC223	Q4203.D	08/07/07 13:28	DFT	20	GCMSQ	TO-15	
MSQ223-ICC223	Q4204.D	08/07/07 14:14	DFT	10	GCMSQ	TO-15	Reporting this level
MSQ223-IC223	Q4205.D	08/07/07 15:01	DFT	5	GCMSQ	TO-15	
MSQ223-IC223	Q4206.D	08/07/07 15:50	DFT	2	GCMSQ	TO-15	

Target Compound	RT (min.)	Istd RT (min.)	Rel RT		Mean Rel RT	Rel RT Range (+/- .06)
Acetone	5.60	8.63	0.649	ok	0.649	0.589-0.709
1,3-Butadiene	4.56	8.63	0.528	ok	0.528	0.468-0.588
Benzene	10.15	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	4.84	8.63	0.561	ok	0.560	0.500-0.620
Bromoethene	5.37	8.63	0.622	ok	0.622	0.562-0.682
Benzyl Chloride	17.92	14.70	1.219	ok	1.219	1.159-1.279
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	0.486	0.426-0.546
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	0.745	0.685-0.805
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	0.467	0.407-0.527
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	17.21	14.70	1.171	ok	1.171	1.111-1.231
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	11.41	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: M66801
Account: GEI GEI Consultants, Inc.
Project: GEI Tufts Street Somerville MA

Sample Number	Lab File ID	Injected	By	Level	Inst ID	Method	
MSQ223-IC223	Q4200.D	08/07/07 11:13	DFT	0.5	GCMSQ	TO-15	
MSQ223-IC223	Q4201.D	08/07/07 11:59	DFT	0.2	GCMSQ	TO-15	
MSQ223-IC223	Q4202.D	08/07/07 12:43	DFT	40	GCMSQ	TO-15	
MSQ223-IC223	Q4203.D	08/07/07 13:28	DFT	20	GCMSQ	TO-15	
MSQ223-ICC223	Q4204.D	08/07/07 14:14	DFT	10	GCMSQ	TO-15	Reporting this level
MSQ223-IC223	Q4205.D	08/07/07 15:01	DFT	5	GCMSQ	TO-15	
MSQ223-IC223	Q4206.D	08/07/07 15:50	DFT	2	GCMSQ	TO-15	

Target Compound	RT (min.)	Istd RT (min.)	Rel RT		Mean Rel RT	Rel RT Range (+/- .06)
2-Hexanone	13.15	14.70	0.895	ok	0.894	0.834-0.954
Isopropylbenzene	16.47	14.70	1.120	ok	1.120	1.060-1.180
Isopropyl Alcohol	5.83	8.63	0.676	ok	0.676	0.616-0.736
Methylene chloride	6.54	8.63	0.758	ok	0.757	0.697-0.817
Methyl ethyl ketone	8.03	8.63	0.930	ok	0.931	0.871-0.991
Methyl Isobutyl Ketone	11.98	10.46	1.145	ok	1.146	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	0.459	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	1.125	1.065-1.185
1,1,2,2-Tetrachloroethane	15.81	14.70	1.076	ok	1.075	1.015-1.135
1,1,2-Trichloroethane	12.64	10.46	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	11.17	10.46	1.068	ok	1.068	1.008-1.128
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	11.15	10.46	1.066	ok	1.066	1.006-1.126
Trichlorofluoromethane	5.79	8.63	0.671	ok	0.670	0.610-0.730
Vinyl chloride	4.42	8.63	0.512	ok	0.512	0.452-0.572
Vinyl Acetate	7.78	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	113782	ok	160461	96277-224645
1,4-Difluorobenzene	10.46	ok	10.46	10.13-10.79	520630	ok	723600	434160-1013040
Chlorobenzene-D5	14.70	ok	14.70	14.37-15.03	448036	ok	639338	383603-895073

Initial Calibration Retention Time/Internal Standard Area Summary

Job Number: M66801
Account: GEI GEI Consultants, Inc.
Project: GEI Tufts Street Somerville MA

Sample Number	Lab File ID	Injected	By	Level	Inst ID	Method	
MSQ223-IC223	Q4200.D	08/07/07 11:13	DFT	0.5	GCMSQ	TO-15	
MSQ223-IC223	Q4201.D	08/07/07 11:59	DFT	0.2	GCMSQ	TO-15	
MSQ223-IC223	Q4202.D	08/07/07 12:43	DFT	40	GCMSQ	TO-15	
MSQ223-IC223	Q4203.D	08/07/07 13:28	DFT	20	GCMSQ	TO-15	
MSQ223-ICC223	Q4204.D	08/07/07 14:14	DFT	10	GCMSQ	TO-15	
MSQ223-IC223	Q4205.D	08/07/07 15:01	DFT	5	GCMSQ	TO-15	Reporting this level
MSQ223-IC223	Q4206.D	08/07/07 15:50	DFT	2	GCMSQ	TO-15	

Target Compound	RT (min.)	Istd RT (min.)	Rel RT		Mean Rel RT	Rel RT Range (+/- .06)
Acetone	5.60	8.63	0.649	ok	0.649	0.589-0.709
1,3-Butadiene	4.55	8.63	0.527	ok	0.528	0.468-0.588
Benzene	10.15	10.46	0.970	ok	0.970	0.910-1.030
Bromodichloromethane	11.10	10.46	1.061	ok	1.062	1.002-1.122
Bromoform	15.42	14.70	1.049	ok	1.049	0.989-1.109
Bromomethane	4.83	8.63	0.560	ok	0.560	0.500-0.620
Bromoethene	5.37	8.63	0.622	ok	0.622	0.562-0.682
Benzyl Chloride	17.92	14.70	1.219	ok	1.219	1.159-1.279
Carbon disulfide	6.86	8.63	0.795	ok	0.795	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	0.486	0.426-0.546
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	6.43	8.63	0.745	ok	0.745	0.685-0.805
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	0.467	0.407-0.527
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	17.21	14.70	1.171	ok	1.171	1.111-1.231
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	20.80	14.70	1.415	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: M66801
Account: GEI GEI Consultants, Inc.
Project: GEI Tufts Street Somerville MA

Sample Number	Lab File ID	Injected	By	Level	Inst ID	Method	
MSQ223-IC223	Q4200.D	08/07/07 11:13	DFT	0.5	GCMSQ	TO-15	
MSQ223-IC223	Q4201.D	08/07/07 11:59	DFT	0.2	GCMSQ	TO-15	
MSQ223-IC223	Q4202.D	08/07/07 12:43	DFT	40	GCMSQ	TO-15	
MSQ223-IC223	Q4203.D	08/07/07 13:28	DFT	20	GCMSQ	TO-15	
MSQ223-ICC223	Q4204.D	08/07/07 14:14	DFT	10	GCMSQ	TO-15	
MSQ223-IC223	Q4205.D	08/07/07 15:01	DFT	5	GCMSQ	TO-15	Reporting this level
MSQ223-IC223	Q4206.D	08/07/07 15:50	DFT	2	GCMSQ	TO-15	

Target Compound	RT (min.)	Istd RT (min.)	Rel RT		Mean Rel RT	Rel RT Range (+/- .06)
2-Hexanone	13.15	14.70	0.895	ok	0.894	0.834-0.954
Isopropylbenzene	16.47	14.70	1.120	ok	1.120	1.060-1.180
Isopropyl Alcohol	5.83	8.63	0.676	ok	0.676	0.616-0.736
Methylene chloride	6.54	8.63	0.758	ok	0.757	0.697-0.817
Methyl ethyl ketone	8.03	8.63	0.930	ok	0.931	0.871-0.991
Methyl Isobutyl Ketone	11.98	10.46	1.145	ok	1.146	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	0.459	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	1.125	1.065-1.185
1,1,2,2-Tetrachloroethane	15.81	14.70	1.076	ok	1.075	1.015-1.135
1,1,2-Trichloroethane	12.64	10.46	1.208	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	10.46	1.067	ok	1.068	1.008-1.128
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	1.066	1.006-1.126
Trichlorofluoromethane	5.79	8.63	0.671	ok	0.670	0.610-0.730
Vinyl chloride	4.42	8.63	0.512	ok	0.512	0.452-0.572
Vinyl Acetate	7.79	8.63	0.903	ok	0.902	0.842-0.962
m,p-Xylene	15.31	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	184314	ok	160461	96277-224645
1,4-Difluorobenzene	10.46	ok	10.46	10.13-10.79	851061	ok	723600	434160-1013040
Chlorobenzene-D5	14.70	ok	14.70	14.37-15.03	753265	ok	639338	383603-895073

Initial Calibration Retention Time/Internal Standard Area Summary

Job Number: M66801
Account: GEI GEI Consultants, Inc.
Project: GEI Tufts Street Somerville MA

Sample Number	Lab File ID	Injected	By	Level	Inst ID	Method	
MSQ223-IC223	Q4200.D	08/07/07 11:13	DFT	0.5	GCMSQ	TO-15	
MSQ223-IC223	Q4201.D	08/07/07 11:59	DFT	0.2	GCMSQ	TO-15	
MSQ223-IC223	Q4202.D	08/07/07 12:43	DFT	40	GCMSQ	TO-15	
MSQ223-IC223	Q4203.D	08/07/07 13:28	DFT	20	GCMSQ	TO-15	
MSQ223-ICC223	Q4204.D	08/07/07 14:14	DFT	10	GCMSQ	TO-15	
MSQ223-IC223	Q4205.D	08/07/07 15:01	DFT	5	GCMSQ	TO-15	
MSQ223-IC223	Q4206.D	08/07/07 15:50	DFT	2	GCMSQ	TO-15	Reporting this level

Target Compound	RT (min.)	Istd RT (min.)	Rel RT		Mean Rel RT	Rel RT Range (+/- .06)
Acetone	5.60	8.63	0.649	ok	0.649	0.589-0.709
1,3-Butadiene	4.55	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	0.622	0.562-0.682
Benzyl Chloride	17.92	14.70	1.219	ok	1.219	1.159-1.279
Carbon disulfide	6.85	8.63	0.794	ok	0.795	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	4.19	8.63	0.486	ok	0.486	0.426-0.546
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	10.40	10.45	0.995	ok	0.995	0.935-1.055
1,1-Dichloroethane	7.65	8.63	0.886	ok	0.888	0.828-0.948
1,1-Dichloroethylene	6.42	8.63	0.744	ok	0.745	0.685-0.805
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	11.14	10.45	1.066	ok	1.065	1.005-1.125
Dichlorodifluoromethane	4.03	8.63	0.467	ok	0.467	0.407-0.527
Dibromochloromethane	13.34	14.70	0.907	ok	0.908	0.848-0.968
trans-1,2-Dichloroethylene	7.46	8.63	0.864	ok	0.865	0.805-0.925
cis-1,2-Dichloroethylene	8.46	8.63	0.980	ok	0.981	0.921-1.041
cis-1,3-Dichloropropene	11.95	10.45	1.144	ok	1.143	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	10.45	1.192	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	1.171	1.111-1.231
Freon 113	6.79	8.63	0.787	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	10.45	1.091	ok	1.090	1.030-1.150
Hexachlorobutadiene	20.79	14.70	1.414	ok	1.414	1.354-1.474
Hexane	8.66	8.63	1.003	ok	1.004	0.944-1.064

Initial Calibration Retention Time/Internal Standard Area Summary

Job Number: M66801
Account: GEI GEI Consultants, Inc.
Project: GEI Tufts Street Somerville MA

Sample Number	Lab File ID	Injected	By	Level	Inst ID	Method	
MSQ223-IC223	Q4200.D	08/07/07 11:13	DFT	0.5	GCMSQ	TO-15	
MSQ223-IC223	Q4201.D	08/07/07 11:59	DFT	0.2	GCMSQ	TO-15	
MSQ223-IC223	Q4202.D	08/07/07 12:43	DFT	40	GCMSQ	TO-15	
MSQ223-IC223	Q4203.D	08/07/07 13:28	DFT	20	GCMSQ	TO-15	
MSQ223-ICC223	Q4204.D	08/07/07 14:14	DFT	10	GCMSQ	TO-15	
MSQ223-IC223	Q4205.D	08/07/07 15:01	DFT	5	GCMSQ	TO-15	
MSQ223-IC223	Q4206.D	08/07/07 15:50	DFT	2	GCMSQ	TO-15	Reporting this level

Target Compound	RT (min.)	Istd RT (min.)	Rel RT		Mean Rel RT	Rel RT Range (+/- .06)
2-Hexanone	13.14	14.70	0.894	ok	0.894	0.834-0.954
Isopropylbenzene	16.47	14.70	1.120	ok	1.120	1.060-1.180
Isopropyl Alcohol	5.83	8.63	0.676	ok	0.676	0.616-0.736
Methylene chloride	6.53	8.63	0.757	ok	0.757	0.697-0.817
Methyl ethyl ketone	8.04	8.63	0.932	ok	0.931	0.871-0.991
Methyl Isobutyl Ketone	11.98	10.45	1.146	ok	1.146	1.086-1.206
Methyl Tert Butyl Ether	7.71	8.63	0.893	ok	0.894	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	0.459	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	1.125	1.065-1.185
1,1,2,2-Tetrachloroethane	15.81	14.70	1.076	ok	1.075	1.015-1.135
1,1,2-Trichloroethane	12.64	10.45	1.210	ok	1.209	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	1.068	1.008-1.128
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	10.45	1.236	ok	1.235	1.175-1.295
Trichloroethylene	11.14	10.45	1.066	ok	1.066	1.006-1.126
Trichlorofluoromethane	5.78	8.63	0.670	ok	0.670	0.610-0.730
Vinyl chloride	4.41	8.63	0.511	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	182981	ok	160461	96277-224645
1,4-Difluorobenzene	10.45	ok	10.46	10.13-10.79	833613	ok	723600	434160-1013040
Chlorobenzene-D5	14.70	ok	14.70	14.37-15.03	724639	ok	639338	383603-895073

Initial Calibration Retention Time/Internal Standard Area Summary

Job Number: M66801
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: M66801
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: M66801
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: M66801
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: M66801
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: M66801
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: M66801
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: M66801
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: M66801
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: M66801
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: M66801
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: M66801
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: M66801
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: M66801
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

Volatile Surrogate Recovery Summary

Job Number: M66801
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
M66801-1	Q4326.D	85.0
M66801-1	Q4244.D	88.0
M66801-2	Q4245.D	97.0
M66661-2DUP	Q4239.D	88.0
MSJ562-SCC	J10883.D	88.0
MSQ214-SCC	Q3992.D	100.0
MSQ225-BS	Q4234A.D	96.0
MSQ225-MB	Q4236.D	85.0
MSJ562-BS	J10868B.D	109.0
MSJ562-MB	J10870.D	90.0
MSQ214-BS	Q3984B.D	108.0
MSQ214-MB	Q3986.D	91.0

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

Initial Calibration Summary

Job Number: M66801
Account: GEI GEI Consultants, Inc.
Project: GEI Tufts Street Somerville MA

Sample: MSJ562-ICC562
Lab FileID: J10865.D

Response Factor Report MSJ

Method : C:\MSDCHEM\1\METHODS\J070507T.M (RTE Integrator)
Title : TO15 by GCMS w/DB-1 60 m X .25 mm ID 1.0 um
Last Update : Thu Jul 05 17:30:53 2007
Response via : Initial Calibration

Calibration Files
40 =J10863.D 20 =J10864.D 10 =J10865.D 5 =J10866.D
2 =J10867.D .5 =J10860.D .2 =J10861.D 4 =J10094.D

Compound	40	20	10	5	2	.5	.2	4	Avg	%RSD
1) I BROMOCHLOROMETHANE	----------ISTD----------									
2) DICHLORODIFL	3.173	2.102	3.010	3.772	3.475	3.808	3.371		3.245	17.93
3) PROPYLENE	0.583	0.367	0.542	0.636	0.532	0.492	0.336		0.498	22.09
4) FREON 114	2.929	1.963	2.586	3.470	2.749	3.358	2.925		2.854	17.64
5) CHLOROMETHAN	0.763	0.478	0.656	0.898	0.737	0.886	0.777		0.742	19.38
6) VINYL CHLORI	0.900	0.601	0.776	1.047	0.782	0.989	0.699		0.828	19.25
7) 1,3-BUTADIEN	0.711	0.482	0.610	0.769	0.562	0.624	0.405		0.595	21.11
8) BROMOMETHANE	0.972	0.884	0.892	1.153	0.894	1.055	0.839		0.956	11.74
9) CHLOROETHANE	0.426	0.381	0.377	0.426	0.346	0.426	0.299		0.383	12.62
10) TRICHLOROFLU	3.259	3.051	2.950	3.857	3.058	3.731	3.205		3.301	10.70
11) ISOPROPYL AL	1.102	1.076	0.949	1.036	0.733	1.072			0.995	13.97
12) ACETONE	1.129	1.014	0.950	1.150	0.867	1.571	1.508		1.170	23.19
13) PENTANE	0.822	0.746	0.726	0.906	0.684	0.830	0.748		0.780	9.70
14) 1,1-DICHLORO	0.990	0.967	0.893	1.095	0.800	0.827	0.539		0.873	20.44
15) CARBON DISUL	2.817	2.749	2.566	3.305	2.630	3.144	2.582		2.828	10.23
16) ETHANOL	0.197	0.179	0.161	0.175	0.088	0.055			0.142	40.20
----- Linear regression ----- Coefficient = 0.9976										
Response Ratio = -0.02174 + 0.19949 *A										
17) BROMOETHENE	0.987	0.929	0.880	1.095	0.767	0.754	0.494		0.844	23.12
18) METHYLENE CH	0.878	0.837	0.807	0.985	0.820	2.085	2.307		1.246	52.58
----- Linear regression ----- Coefficient = 0.9983										
Response Ratio = 0.01284 + 0.86359 *A										
19) 3-CHLOROPROP	0.981	0.790	0.673	0.715	0.575	0.661			0.732	19.19
20) FREON 113	2.074	1.964	1.865	2.177	1.813	2.448	2.249		2.084	10.80
21) TRANS-1,2-DI	0.983	0.957	0.864	0.999	0.747	0.896	0.591		0.862	17.08
22) TERTIARY BUT	1.396	1.418	1.202	1.265	0.705	0.805			1.132	26.91
23) METHYL TERTI	2.088	2.043	1.813	2.032	1.456	1.322	1.002		1.680	25.24
24) TETRAHYDROFU	0.689	0.654	0.572	0.618	0.376	0.347			0.543	26.84
25) HEXANE	1.157	1.090	1.014	1.163	0.890	1.224	1.119		1.094	10.18
26) VINYL ACETAT	1.475	1.359	1.182	1.290	0.804	0.807			1.153	24.75
27) 1,1-DICHLORO	1.701	1.561	1.442	1.658	1.276	1.726	1.287		1.522	12.46
28) METHYL ETHYL	1.350	1.264	1.135	1.249	0.862	1.312	0.906		1.154	17.01
29) cis-1,2-DICH	0.985	0.925	0.814	0.955	0.708	0.868	0.604		0.837	16.62
30) ETHYL ACETAT	1.530	1.420	1.266	1.369	0.980	1.349	0.972		1.269	16.99
31) CHLOROFORM	2.326	2.162	1.983	2.332	1.854	2.479	2.002		2.163	10.50
32) 1,1,1-TRICHL	2.690	2.411	2.209	2.502	1.978	2.608	2.049		2.350	11.77
33) CARBON TETRA	3.073	2.861	2.724	3.112	2.503	3.305	2.704		2.897	9.64
34) 1,2-DICHLORO	1.371	1.245	1.120	1.382	1.036	1.237	0.873		1.181	15.59
35) I 1,4-DIFLUOROBENZENE	----------ISTD----------									
36) BENZENE	0.641	0.560	0.463	0.557	0.395	0.409	0.274		0.471	26.36
37) CYCLOHEXANE	0.279	0.258	0.226	0.257	0.182	0.136			0.223	24.35
38) TRICHLOROETH	0.330	0.284	0.240	0.294	0.208	0.250	0.154		0.251	23.38
39) 1,2-DICHLORO	0.208	0.178	0.148	0.180	0.131	0.150	0.119		0.159	19.62

Initial Calibration Summary

Job Number: M66801 **Sample:** MSJ562-ICC562
Account: GEI GEI Consultants, Inc. **Lab FileID:** J10865.D
Project: GEI Tufts Street Somerville MA

```
40) BROMODICHLOR 0.565 0.489 0.410 0.498 0.382 0.488 0.395       0.461  14.52
41) 2,2,4-TRIMET 1.038 0.905 0.755 0.812 0.576 0.530 0.321       0.705  34.71
            ----- Linear regression -----  Coefficient =  0.9940
              Response Ratio = -0.11253 + 1.03736 *A

42) 1,4-DIOXANE  0.112 0.104 0.083 0.084 0.038 0.028             0.075  46.11
            ----- Linear regression -----  Coefficient =  0.9970
              Response Ratio = -0.01651 + 0.11476 *A

43) HEPTANE      0.328 0.285 0.243 0.270 0.184 0.194             0.251  22.00
44) METHYL ISOBU 0.400 0.343 0.284 0.289 0.176 0.191             0.281  30.78
         ----- Quadratic regression -----                Coefficient =  0.9996
              Response Ratio = -0.01416 + 0.28645 *A + 0.02935 *A^2

45) cis-1,3-DICH 0.315 0.278 0.219 0.257 0.149 0.142 0.091       0.207  39.60
         ----- Quadratic regression -----                Coefficient =  0.9990
              Response Ratio = -0.00773 + 0.23146 *A + 0.02144 *A^2

46) TOLUENE      0.457 0.390 0.317 0.367 0.235 0.190 0.128       0.298  39.62
         ----- Quadratic regression -----                Coefficient =  0.9994
              Response Ratio = -0.00693 + 0.31551 *A + 0.03600 *A^2

47) trans-1,3-DI 0.315 0.268 0.211 0.232 0.133 0.124 0.073       0.194  44.72
         ----- Quadratic regression -----                Coefficient =  0.9993
              Response Ratio = -0.00822 + 0.21484 *A + 0.02558 *A^2

48) 1,1,2-TRICHL 0.212 0.183 0.155 0.186 0.137 0.166 0.117       0.165  19.28

49) I   CHLOROBENZENE-D5      ----------------ISTD---------------------
50) 2-HEXANONE   0.358 0.317 0.262 0.278 0.156 0.191             0.260  29.06
51) TETRACHLOROE 0.403 0.353 0.300 0.364 0.275 0.298 0.243       0.319  17.53
52) DIBROMOCHLOR 0.566 0.525 0.445 0.541 0.421 0.514 0.376       0.484  14.55
53) 1,2-DIBROMOE 0.420 0.378 0.313 0.382 0.264 0.328 0.240       0.332  19.70
54) CHLOROBENZEN 0.653 0.580 0.503 0.611 0.461 0.566 0.437       0.545  14.60
55) ETHYLBENZENE 1.049 0.932 0.790 0.884 0.550 0.428 0.290       0.703  40.31
         ----- Quadratic regression -----                Coefficient =  0.9995
              Response Ratio = -0.02285 + 0.80474 *A + 0.06280 *A^2

56) m,p-XYLENE   0.440 0.383 0.328 0.366 0.237 0.168 0.098       0.288  43.15
         ----- Quadratic regression -----                Coefficient =  0.9996
              Response Ratio = -0.01530 + 0.32472 *A + 0.01463 *A^2

57) o-XYLENE     0.443 0.382 0.323 0.360 0.230 0.170 0.095       0.286  43.68
         ----- Quadratic regression -----                Coefficient =  0.9996
              Response Ratio = -0.00767 + 0.31832 *A + 0.03171 *A^2

58) STYRENE      0.631 0.536 0.414 0.427 0.210 0.170 0.110       0.357  55.26
         ----- Quadratic regression -----                Coefficient =  0.9993
              Response Ratio = -0.02393 + 0.42757 *A + 0.05261 *A^2

59) NONANE       0.467 0.407 0.344 0.371 0.239 0.189             0.336  31.05
         ----- Quadratic regression -----                Coefficient =  0.9996
              Response Ratio = -0.01285 + 0.34623 *A + 0.03101 *A^2

60) BROMOFORM    0.592 0.518 0.425 0.500 0.356 0.493 0.319       0.458  21.00
61) 4-BROMOFLUOR 0.718 0.689 0.659 0.585 0.576 0.557 0.515       0.614  12.19
62) 1,1,2,2-TETR 0.582 0.504 0.415 0.475 0.366 0.563 0.350       0.465  19.77
63) ISOPROPYLBEN 1.240 1.080 0.918 0.979 0.617 0.565 0.347       0.821  38.80
         ----- Quadratic regression -----                Coefficient =  0.9997
              Response Ratio = -0.02662 + 0.91136 *A + 0.08406 *A^2
```

Initial Calibration Summary

Job Number: M66801
Account: GEI GEI Consultants, Inc.
Project: GEI Tufts Street Somerville MA

Sample: MSJ562-ICC562
Lab FileID: J10865.D

```
64) 2-CHLOROTOLU 0.887 0.761 0.615 0.658 0.392 0.348 0.216       0.554  43.67
         ----- Quadratic regression -----                 Coefficient =  0.9995
              Response Ratio = -0.02322 + 0.62009 *A + 0.06843 *A^2

65) 4-ETHYLTOLUE 1.217 1.001 0.775 0.807 0.462 0.361             0.770  41.71
         ----- Quadratic regression -----                 Coefficient =  0.9995
              Response Ratio = -0.04549 + 0.77656 *A + 0.11330 *A^2

66) 1,3,5-TRIMET 1.078 0.904 0.727 0.780 0.490 0.423             0.734  33.67
         ----- Quadratic regression -----                 Coefficient =  0.9996
              Response Ratio = -0.03008 + 0.72197 *A + 0.09109 *A^2

67) 1,2,4-TRIMET 1.009 0.819 0.643 0.677 0.376 0.305             0.638  41.54
         ----- Quadratic regression -----                 Coefficient =  0.9996
              Response Ratio = -0.03207 + 0.62570 *A + 0.09805 *A^2

68) m-DICHLOROBE 0.740 0.584 0.461 0.539 0.373 0.492 0.253       0.492  31.54
         ----- Quadratic regression -----                 Coefficient =  0.9995
              Response Ratio = 0.00104 + 0.41544 *A + 0.08106 *A^2

69) BENZYL CHLOR 0.616 0.486 0.372 0.397 0.210 0.317 0.162       0.366  42.69
         ----- Quadratic regression -----                 Coefficient =  0.9995
              Response Ratio = -0.01055 + 0.34527 *A + 0.06855 *A^2

70) p-DICHLOROBE 0.697 0.553 0.440 0.524 0.351 0.389 0.224       0.454  33.84
         ----- Quadratic regression -----                 Coefficient =  0.9995
              Response Ratio = 0.00037 + 0.39909 *A + 0.07450 *A^2

71) o-DICHLOROBE 0.630 0.498 0.396 0.461 0.299 0.460 0.249       0.427  29.81
72) HEXACHLOROBU 0.310 0.275 0.254 0.289 0.233 0.919 0.710       0.427  63.83
         ----- Quadratic regression -----                 Coefficient =  0.9993
              Response Ratio = 0.01695 + 0.22420 *A + 0.02043 *A^2

73) 1,2,4-TRICHL 0.200 0.172 0.151 0.155 0.093 0.369 0.199       0.191  45.12
         ----- Quadratic regression -----                 Coefficient =  0.9995
              Response Ratio = 0.00138 + 0.13941 *A + 0.01503 *A^2

74) NAPHTHALENE                                                  0.000  -1.00
-------------------------------------------------------------------------------
(#) = Out of Range  ###  Number of calibration levels exceeded format  ###

          J070507T.M        Fri Jul 06 11:22:14 2007
```

Continuing Calibration Summary

Job Number: M66801
Account: GEI GEI Consultants, Inc.
Project: GEI Tufts Street Somerville MA

Sample: MSJ562-CC562
Lab FileID: J10868A.D

Evaluate Continuing Calibration Report

Data File : C:\MSDCHEM\1\DATA\J10868A.D Vial: 3
Acq On : 5 Jul 2007 5:56 pm Operator: danat
Sample : cc562-10 (M080) Inst : MSJ
Misc : MS13866, MSJ562,,,,,1 Multiplr: 1.00
MS Integration Params: LSCINT.P

Method : C:\MSDCHEM\1\METHODS\J070507T.M (RTE Integrator)
Title : TO15 by GCMS w/DB-1 60 m X .25 mm ID 1.0 um
Last Update : Thu Jul 05 17:30:53 2007
Response via : Multiple Level Calibration

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

		Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)	R.T.
1	I	BROMOCHLOROMETHANE	1.000	1.000	0.0	97	-0.01	8.60
2	m	DICHLORODIFLUOROMETHANE	3.245	3.058	5.8	99	0.00	4.06
3	m	PROPYLENE	0.498	0.528	-6.0	94	0.00	3.99
4	m	FREON 114	2.854	2.812	1.5	105	0.00	4.32
5	m	CHLOROMETHANE	0.742	0.737	0.7	109	0.00	4.23
6	m	VINYL CHLORIDE	0.828	0.869	-5.0	109	0.00	4.44
7	m	1,3-BUTADIENE	0.595	0.670	-12.6	107	0.00	4.57
8	m	BROMOMETHANE	0.956	0.957	-0.1	104	-0.01	4.84
9	m	CHLOROETHANE	0.383	0.405	-5.7	104	-0.01	5.01
10	m	TRICHLOROFLUOROMETHANE	3.301	3.269	1.0	108	-0.01	5.77
11	m	ISOPROPYL ALCOHOL	0.995	1.086	-9.1	111	0.02	5.99
12	m	ACETONE	1.170	1.135	3.0	116	-0.01	5.64
13	m	PENTANE	0.780	0.812	-4.1	108	-0.01	6.12
14	m	1,1-DICHLOROETHYLENE	0.873	0.887	-1.6	96	-0.01	6.40
15	m	CARBON DISULFIDE	2.828	2.670	5.6	101	-0.01	6.82
		----------	True	Calc.	% Drift	----------		
16	m	ETHANOL	10.000	10.799	-8.0	117	0.04	5.26
		----------	AvgRF	CCRF	% Dev	----------		
17	m	BROMOETHENE	0.844	0.923	-9.4	102	-0.01	5.36
		----------	True	Calc.	% Drift	----------		
18	m	METHYLENE CHLORIDE	10.000	9.923	0.8	105	-0.01	6.52
		----------	AvgRF	CCRF	% Dev	----------		
19	m	3-CHLOROPROPENE	0.732	0.787	-7.5	113	-0.01	6.63
20	m	FREON 113	2.084	1.924	7.7	100	-0.01	6.76
21	m	TRANS-1,2-DICHLOROETHYLEN	0.862	0.903	-4.8	101	-0.02	7.43
22	m	TERTIARY BUTYL ALCOHOL	1.132	1.332	-17.7	107	0.00	6.57
23	m	METHYL TERTIARY BUTYL ETH	1.680	1.975	-17.6	106	-0.01	7.71
24	m	TETRAHYDROFURAN	0.543	0.629	-15.8	107	-0.01	9.16
25	m	HEXANE	1.094	1.053	3.7	101	-0.01	8.61
26	m	VINYL ACETATE	1.153	1.269	-10.1	104	-0.01	7.78
27	m	1,1-DICHLOROETHANE	1.522	1.572	-3.3	106	-0.01	7.63
28	m	METHYL ETHYL KETONE	1.154	1.227	-6.3	105	0.00	8.07
29	m	cis-1,2-DICHLOROETHYLENE	0.837	0.868	-3.7	103	-0.01	8.44
30	m	ETHYL ACETATE	1.269	1.332	-5.0	102	-0.01	8.67
31	m	CHLOROFORM	2.163	2.225	-2.9	109	-0.01	8.72
32	m	1,1,1-TRICHLOROETHANE	2.350	2.431	-3.4	107	-0.01	9.66
33	m	CARBON TETRACHLORIDE	2.897	2.986	-3.1	106	-0.01	10.24
34	m	1,2-DICHLOROETHANE	1.181	1.316	-11.4	114	-0.01	9.43

Continuing Calibration Summary

Job Number: M66801
Account: GEI GEI Consultants, Inc.
Project: GEI Tufts Street Somerville MA

Sample: MSJ562-CC562
Lab FileID: J10868A.D

35	I	1,4-DIFLUOROBENZENE	1.000	1.000	0.0	97	0.00	10.43
36	m	BENZENE	0.471	0.535	-13.6	112	0.00	10.11
37	m	CYCLOHEXANE	0.223	0.241	-8.1	103	0.00	10.35
38	m	TRICHLOROETHYLENE	0.251	0.285	-13.5	115	0.00	11.10
39	m	1,2-DICHLOROPROPANE	0.159	0.181	-13.8	118	0.00	10.89
40	m	BROMODICHLOROMETHANE	0.461	0.491	-6.5	116	0.00	11.08
		----------	True	Calc.	% Drift		----------	
41	m	2,2,4-TRIMETHYLPENTANE	10.000	9.398	6.0	110	-0.01	11.10
42	m	1,4-DIOXANE	10.000	9.346	6.5	106	0.00	11.17
		----------	AvgRF	CCRF	% Dev		----------	
43	m	HEPTANE	0.251	0.273	-8.8	108	-0.01	11.34
		----------	True	Calc.	% Drift		----------	
44	m	METHYL ISOBUTYL KETONE	10.000	10.328	-3.3	107	0.00	11.99
45	m	cis-1,3-DICHLOROPROPENE	10.000	10.947	-9.5	120	0.00	11.93
46	m	TOLUENE	10.000	11.035	-10.4	117	0.00	12.88
47	m	trans-1,3-DICHLOROPROPENE	10.000	9.167	8.3	96	0.00	12.44
		----------	AvgRF	CCRF	% Dev		----------	
48	m	1,1,2-TRICHLOROETHANE	0.165	0.195	-18.2	122	0.00	12.62
49	I	CHLOROBENZENE-D5	1.000	1.000	0.0	98	0.00	14.67
50	m	2-HEXANONE	0.260	0.268	-3.1	100	0.00	13.17
51	m	TETRACHLOROETHYLENE	0.319	0.368	-15.4	120	0.00	14.01
52	m	DIBROMOCHLOROMETHANE	0.484	0.541	-11.8	119	0.00	13.33
53	m	1,2-DIBROMOETHANE	0.332	0.373	-12.3	116	0.00	13.57
54	m	CHLOROBENZENE	0.476	0.598	-25.6	116	0.00	14.72
		----------	True	Calc.	% Drift		----------	
55	m	ETHYLBENZENE	10.000	11.171	-11.7	118	0.00	15.09
56	m	m,p-XYLENE	20.000	22.739	-13.7	119	0.00	15.28
57	m	o-XYLENE	10.000	11.552	-15.5	122	0.00	15.79
58	m	STYRENE	10.000	10.453	-4.5	113	0.00	15.68
59	m	NONANE	10.000	11.858	-18.6	125	0.00	15.97
		----------	AvgRF	CCRF	% Dev		----------	
60	m	BROMOFORM	0.458	0.532	-16.2	122	0.00	15.41
61	S	4-BROMOFLUOROBENZENE	0.538	0.668	-24.2	99	0.00	16.30
62	m	1,1,2,2-TETRACHLOROETHANE	0.465	0.538	-15.7	127	0.00	15.80
		----------	True	Calc.	% Drift		----------	
63	m	ISOPROPYLBENZENE	10.000	11.656	-16.6	122	0.00	16.43
64	m	2-CHLOROTOLUENE	10.000	11.725	-17.2	127	0.00	16.98
65	m	4-ETHYLTOLUENE	10.000	10.702	-7.0	115	0.00	17.17
66	m	1,3,5-TRIMETHYLBENZENE	10.000	11.609	-16.1	125	0.00	17.26
67	m	1,2,4-TRIMETHYLBENZENE	10.000	11.800	-18.0	128	0.00	17.72
68	m	m-DICHLOROBENZENE	10.000	11.227	-12.3	121	0.00	17.91
69	m	BENZYL CHLORIDE	10.000	9.802	2.0	103	0.00	17.89
70	m	p-DICHLOROBENZENE	10.000	10.633	-6.3	113	0.00	17.98
		----------	AvgRF	CCRF	% Dev		----------	
71	m	o-DICHLOROBENZENE	0.427	0.526	-23.2	130	0.00	18.37
		----------	True	Calc.	% Drift		----------	
72	m	HEXACHLOROBUTADIENE	10.000	15.845	-58.5#	163	0.00	20.76
73	m	1,2,4-TRICHLOROBENZENE	10.000	11.454	-14.5	117	0.00	20.27

Continuing Calibration Summary

Job Number: M66801
Account: GEI GEI Consultants, Inc.
Project: GEI Tufts Street Somerville MA

Sample: MSJ562-CC562
Lab FileID: J10868A.D

```
            ----------------------- AvgRF   CCRF     % Dev   -------------
74 m   NAPHTHALENE                          ----------NA----------
-------------------------------------------------------------------------------

 (  1.4 %)  1 of  70 compounds'%D > 30
-------------------------------------------------------------------------------

   (#) = Out of Range              SPCC's out = 0  CCC's out = 0
    J10865.D   J070507T.M       Fri Jul 06 11:51:03 2007
```

Initial Calibration Verification

Job Number: M66801
Account: GEI GEI Consultants, Inc.
Project: GEI Tufts Street Somerville MA

Sample: MSJ562-ICV562
Lab FileID: J10868.D

Evaluate Continuing Calibration Report

Data File : C:\MSDCHEM\1\DATA\J10868.D Vial: 3
Acq On : 5 Jul 2007 5:56 pm Operator: danat
Sample : icv562-10 (M080) Inst : MSJ
Misc : MS13866, MSJ562,,,,,1 Multiplr: 1.00
MS Integration Params: LSCINT.P

Method : C:\MSDCHEM\1\METHODS\J070507T.M (RTE Integrator)
Title : TO15 by GCMS w/DB-1 60 m X .25 mm ID 1.0 um
Last Update : Thu Jul 05 17:30:53 2007
Response via : Multiple Level Calibration

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

		Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)	R.T.
1	I	BROMOCHLOROMETHANE	1.000	1.000	0.0	97	-0.01	8.60
2	m	DICHLORODIFLUOROMETHANE	3.245	3.058	5.8	99	0.00	4.06
3	m	PROPYLENE	0.498	0.528	-6.0	94	0.00	3.99
4	m	FREON 114	2.854	2.812	1.5	105	0.00	4.32
5	m	CHLOROMETHANE	0.742	0.737	0.7	109	0.00	4.23
6	m	VINYL CHLORIDE	0.828	0.869	-5.0	109	0.00	4.44
7	m	1,3-BUTADIENE	0.595	0.670	-12.6	107	0.00	4.57
8	m	BROMOMETHANE	0.956	0.957	-0.1	104	-0.01	4.84
9	m	CHLOROETHANE	0.383	0.405	-5.7	104	-0.01	5.01
10	m	TRICHLOROFLUOROMETHANE	3.301	3.269	1.0	108	-0.01	5.77
11	m	ISOPROPYL ALCOHOL	0.995	1.086	-9.1	111	0.02	5.99
12	m	ACETONE	1.170	1.135	3.0	116	-0.01	5.64
13	m	PENTANE	0.780	0.812	-4.1	108	-0.01	6.12
14	m	1,1-DICHLOROETHYLENE	0.873	0.887	-1.6	96	-0.01	6.40
15	m	CARBON DISULFIDE	2.828	2.670	5.6	101	-0.01	6.82
		----------	True	Calc.	% Drift	----------		
16	m	ETHANOL	10.000	10.799	-8.0	117	0.04	5.26
		----------	AvgRF	CCRF	% Dev	----------		
17	m	BROMOETHENE	0.844	0.923	-9.4	102	-0.01	5.36
		----------	True	Calc.	% Drift	----------		
18	m	METHYLENE CHLORIDE	10.000	9.923	0.8	105	-0.01	6.52
		----------	AvgRF	CCRF	% Dev	----------		
19	m	3-CHLOROPROPENE	0.732	0.787	-7.5	113	-0.01	6.63
20	m	FREON 113	2.084	1.924	7.7	100	-0.01	6.76
21	m	TRANS-1,2-DICHLOROETHYLEN	0.862	0.903	-4.8	101	-0.02	7.43
22	m	TERTIARY BUTYL ALCOHOL	1.132	1.332	-17.7	107	0.00	6.57
23	m	METHYL TERTIARY BUTYL ETH	1.680	1.975	-17.6	106	-0.01	7.71
24	m	TETRAHYDROFURAN	0.543	0.629	-15.8	107	-0.01	9.16
25	m	HEXANE	1.094	1.053	3.7	101	-0.01	8.61
26	m	VINYL ACETATE	1.153	1.269	-10.1	104	-0.01	7.78
27	m	1,1-DICHLOROETHANE	1.522	1.572	-3.3	106	-0.01	7.63
28	m	METHYL ETHYL KETONE	1.154	1.227	-6.3	105	0.00	8.07
29	m	cis-1,2-DICHLOROETHYLENE	0.837	0.868	-3.7	103	-0.01	8.44
30	m	ETHYL ACETATE	1.269	1.332	-5.0	102	-0.01	8.67
31	m	CHLOROFORM	2.163	2.225	-2.9	109	-0.01	8.72
32	m	1,1,1-TRICHLOROETHANE	2.350	2.431	-3.4	107	-0.01	9.66
33	m	CARBON TETRACHLORIDE	2.897	2.986	-3.1	106	-0.01	10.24
34	m	1,2-DICHLOROETHANE	1.181	1.316	-11.4	114	-0.01	9.43

Initial Calibration Verification

Job Number: M66801
Account: GEI GEI Consultants, Inc.
Project: GEI Tufts Street Somerville MA

Sample: MSJ562-ICV562
Lab FileID: J10868.D

35	I	1,4-DIFLUOROBENZENE	1.000	1.000	0.0	97	0.00	10.43
36	m	BENZENE	0.471	0.535	-13.6	112	0.00	10.11
37	m	CYCLOHEXANE	0.223	0.241	-8.1	103	0.00	10.35
38	m	TRICHLOROETHYLENE	0.251	0.285	-13.5	115	0.00	11.10
39	m	1,2-DICHLOROPROPANE	0.159	0.181	-13.8	118	0.00	10.89
40	m	BROMODICHLOROMETHANE	0.461	0.491	-6.5	116	0.00	11.08
		----------	True	Calc.	% Drift		----------	
41	m	2,2,4-TRIMETHYLPENTANE	10.000	9.398	6.0	110	-0.01	11.10
42	m	1,4-DIOXANE	10.000	9.346	6.5	106	0.00	11.17
		----------	AvgRF	CCRF	% Dev		----------	
43	m	HEPTANE	0.251	0.273	-8.8	108	-0.01	11.34
		----------	True	Calc.	% Drift		----------	
44	m	METHYL ISOBUTYL KETONE	10.000	10.328	-3.3	107	0.00	11.99
45	m	cis-1,3-DICHLOROPROPENE	10.000	10.947	-9.5	120	0.00	11.93
46	m	TOLUENE	10.000	11.035	-10.4	117	0.00	12.88
47	m	trans-1,3-DICHLOROPROPENE	10.000	9.167	8.3	96	0.00	12.44
		----------	AvgRF	CCRF	% Dev		----------	
48	m	1,1,2-TRICHLOROETHANE	0.165	0.195	-18.2	122	0.00	12.62
49	I	CHLOROBENZENE-D5	1.000	1.000	0.0	98	0.00	14.67
50	m	2-HEXANONE	0.260	0.268	-3.1	100	0.00	13.17
51	m	TETRACHLOROETHYLENE	0.319	0.368	-15.4	120	0.00	14.01
52	m	DIBROMOCHLOROMETHANE	0.484	0.541	-11.8	119	0.00	13.33
53	m	1,2-DIBROMOETHANE	0.332	0.373	-12.3	116	0.00	13.57
54	m	CHLOROBENZENE	0.476	0.598	-25.6	116	0.00	14.72
		----------	True	Calc.	% Drift		----------	
55	m	ETHYLBENZENE	10.000	11.171	-11.7	118	0.00	15.09
56	m	m,p-XYLENE	20.000	22.739	-13.7	119	0.00	15.28
57	m	o-XYLENE	10.000	11.552	-15.5	122	0.00	15.79
58	m	STYRENE	10.000	10.453	-4.5	113	0.00	15.68
59	m	NONANE	10.000	11.858	-18.6	125	0.00	15.97
		----------	AvgRF	CCRF	% Dev		----------	
60	m	BROMOFORM	0.458	0.532	-16.2	122	0.00	15.41
61	S	4-BROMOFLUOROBENZENE	0.538	0.668	-24.2	99	0.00	16.30
62	m	1,1,2,2-TETRACHLOROETHANE	0.465	0.538	-15.7	127	0.00	15.80
		----------	True	Calc.	% Drift		----------	
63	m	ISOPROPYLBENZENE	10.000	11.656	-16.6	122	0.00	16.43
64	m	2-CHLOROTOLUENE	10.000	11.725	-17.2	127	0.00	16.98
65	m	4-ETHYLTOLUENE	10.000	10.702	-7.0	115	0.00	17.17
66	m	1,3,5-TRIMETHYLBENZENE	10.000	11.609	-16.1	125	0.00	17.26
67	m	1,2,4-TRIMETHYLBENZENE	10.000	11.800	-18.0	128	0.00	17.72
68	m	m-DICHLOROBENZENE	10.000	11.227	-12.3	121	0.00	17.91
69	m	BENZYL CHLORIDE	10.000	9.802	2.0	103	0.00	17.89
70	m	p-DICHLOROBENZENE	10.000	10.633	-6.3	113	0.00	17.98
		----------	AvgRF	CCRF	% Dev		----------	
71	m	o-DICHLOROBENZENE	0.427	0.526	-23.2	130	0.00	18.37
		----------	True	Calc.	% Drift		----------	
72	m	HEXACHLOROBUTADIENE	10.000	15.845	-58.5#	163	0.00	20.76
73	m	1,2,4-TRICHLOROBENZENE	10.000	11.454	-14.5	117	0.00	20.27

Initial Calibration Verification

Job Number: M66801
Account: GEI GEI Consultants, Inc.
Project: GEI Tufts Street Somerville MA

Sample: MSJ562-ICV562
Lab FileID: J10868.D

```
            ----------------------- AvgRF   CCRF     % Dev   -------------
74 m   NAPHTHALENE                          ----------NA----------
-------------------------------------------------------------------------------

 (  1.4 %)  1 of  70 compounds'%D > 30
-------------------------------------------------------------------------------

   (#) = Out of Range              SPCC's out = 0  CCC's out = 0
    J10865.D   J070507T.M       Fri Jul 06 11:23:26 2007
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Initial Calibration Summary

Job Number: M66801
Account: GEI GEI Consultants, Inc.
Project: GEI Tufts Street Somerville MA

Sample: MSQ214-ICC214
Lab FileID: Q3979.D

Response Factor Report MAMSQ

Method : C:\msdchem\1\METHODS\Q071607T.m (RTE Integrator)
Title : TO15 by GCMS w/DB-1 60 m X .25 mm ID 1.0 um
Last Update : Tue Jul 17 08:27:00 2007
Response via : Initial Calibration

Calibration Files
.2 =Q3983.D .5 =Q3982.D 2 =Q3981.D
5 =Q3980.D 10 =Q3979.D 20 =Q3978.D 40 =Q3977.D

Compound	.2	.5	2	5	10	20	40	Avg	%RSD
1) I BROMOCHLOROMETHANE	----------ISTD----------								
2)m DICHLORODIFLUOROM	4.002	3.399	3.337	3.337	3.106	3.194	3.296	3.382	8.60
3)m PROPYLENE	0.309	0.555	0.540	0.599	0.556	0.586	0.552	0.528	18.74
4)m FREON 114	3.718	3.134	2.895	3.058	2.958	3.051	3.107	3.132	8.68
5)m CHLOROMETHANE	0.801	0.694	0.728	0.745	0.696	0.712	0.702	0.725	5.24
6)m VINYL CHLORIDE	0.938	0.812	0.826	0.853	0.829	0.862	0.846	0.853	4.87
7)m 1,3-BUTADIENE	0.716	0.746	0.664	0.675	0.669	0.690	0.707	0.695	4.26
8)m BROMOMETHANE	0.968	0.985	0.929	0.954	0.950	0.982	0.971	0.963	2.05
9)m CHLOROETHANE	0.170	0.405	0.318	0.347	0.360	0.380	0.383	0.338	23.40
10)m TRICHLOROFLUOROME	3.901	3.619	3.029	3.118	3.038	3.153	3.361	3.317	10.01
11)m ISOPROPYL ALCOHOL	2.804	1.967	1.265	1.139	1.183	1.255	1.279	1.556	39.73
----- Linear regression (equal Weighting)----- Coefficient = 0.9993									
Response Ratio = -0.01673 + 1.27457 *A									
12)m ACETONE	3.411	2.186	1.398	1.209	1.231	1.313	1.365	1.730	47.03
----- Linear regression (equal Weighting)----- Coefficient = 0.9987									
Response Ratio = -0.02136 + 1.35484 *A									
13)m PENTANE	0.736	0.792	0.677	0.695	0.688	0.734	0.764	0.727	5.85
14)m 1,1-DICHLOROETHYL	0.973	0.974	0.893	0.863	0.897	0.942	0.986	0.932	5.19
15)m CARBON DISULFIDE	2.425	2.288	2.141	2.283	2.274	2.434	2.578	2.346	6.09
16)m ETHANOL	0.305	0.320	0.235	0.205	0.213	0.233	0.224	0.248	18.39
17)m BROMOETHENE	0.949	1.046	0.902	0.934	0.929	0.982	0.989	0.961	4.99
18)m METHYLENE CHLORID	3.257	1.982	1.135	1.029	1.060	1.124	1.194	1.540	53.63
----- Linear regression (equal Weighting)----- Coefficient = 0.9980									
Response Ratio = -0.02953 + 1.18375 *A									
19)m 3-CHLOROPROPENE	0.696	0.789	0.620	0.591	0.651	0.720	0.836	0.700	12.73
20)m FREON 113	3.094	2.497	2.093	2.051	2.061	2.157	2.265	2.317	16.25
21)m TRANS-1,2-DICHLOR	1.010	0.892	0.795	0.814	0.862	0.913	0.971	0.894	8.78
22)m TERTIARY BUTYL AL	1.580	1.652	1.475	1.472	1.535	1.612	1.684	1.573	5.27
23)m METHYL TERTIARY B	2.213	2.045	1.978	1.879	1.981	2.110	2.281	2.070	6.85
24)m TETRAHYDROFURAN	0.532	0.611	0.590	0.587	0.633	0.697	0.721	0.624	10.56
25)m HEXANE	2.901	2.057	1.444	1.195	1.250	1.303	1.341	1.642	38.17
----- Linear regression (equal Weighting)----- Coefficient = 0.9992									
Response Ratio = -0.01290 + 1.33324 *A									
26)m VINYL ACETATE	1.734	1.444	1.390	1.308	1.379	1.583	1.670	1.501	10.78
27)m 1,1-DICHLOROETHAN	1.577	1.535	1.274	1.309	1.390	1.530	1.723	1.477	10.83
28)m METHYL ETHYL KETO	1.555	1.422	1.186	1.212	1.287	1.386	1.443	1.356	9.84
29)m cis-1,2-DICHLOROE	0.771	0.755	0.689	0.710	0.775	0.876	0.954	0.790	11.88
30)m ETHYL ACETATE	3.723	2.845	2.380	2.184	2.303	2.486	2.579	2.643	19.73
31)m CHLOROFORM	2.097	2.073	1.811	1.854	1.974	2.136	2.364	2.044	9.16
32)m 1,1,1-TRICHLOROET	2.119	2.058	1.772	1.819	1.977	2.197	2.508	2.064	12.05
33)m CARBON TETRACHLOR	2.384	2.354	2.146	2.259	2.408	2.570	2.813	2.419	9.00
34)m 1,2-DICHLOROETHAN	1.133	1.176	1.104	1.095	1.141	1.289	1.461	1.200	11.02

Initial Calibration Summary

Job Number: M66801
Account: GEI GEI Consultants, Inc.
Project: GEI Tufts Street Somerville MA

Sample: MSQ214-ICC214
Lab FileID: Q3979.D

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35) I   1,4-DIFLUOROBENZENE   ----------------ISTD---------------------
36)m BENZENE           0.445 0.427 0.402 0.402 0.441 0.506 0.604 0.461  15.62
37)m CYCLOHEXANE       0.181 0.185 0.185 0.186 0.200 0.208 0.236 0.197   9.87
38)m TRICHLOROETHYLENE 0.262 0.230 0.228 0.227 0.249 0.275 0.335 0.258  14.93
39)m 1,2-DICHLOROPROPA 0.120 0.162 0.146 0.141 0.152 0.171 0.203 0.156  16.79
40)m BROMODICHLOROMETH 0.374 0.358 0.352 0.373 0.400 0.454 0.559 0.410  18.11
41)m 2,2,4-TRIMETHYLPE 0.608 0.683 0.622 0.639 0.698 0.761 0.918 0.704  15.31
42)m 1,4-DIOXANE       0.086 0.089 0.075 0.081 0.090 0.101 0.115 0.091  14.74
43)m HEPTANE           0.230 0.249 0.228 0.229 0.257 0.282 0.334 0.258  14.92
44)m METHYL ISOBUTYL K 0.300 0.311 0.296 0.291 0.329 0.369 0.422 0.331  14.55
45)m cis-1,3-DICHLOROP 0.221 0.204 0.198 0.211 0.235 0.270 0.335 0.239  20.42
46)m TOLUENE           0.339 0.292 0.284 0.290 0.321 0.363 0.439 0.333  16.55
47)m trans-1,3-DICHLOR 0.167 0.173 0.186 0.197 0.222 0.262 0.324 0.219  25.89
48)m 1,1,2-TRICHLOROET 0.159 0.159 0.159 0.155 0.166 0.184 0.222 0.172  14.09

49) I   CHLOROBENZENE-D5      ----------------ISTD---------------------
50)m 2-HEXANONE        0.285 0.330 0.263 0.282 0.314 0.361 0.420 0.322  16.84
51)m TETRACHLOROETHYLE 0.308 0.327 0.293 0.297 0.322 0.358 0.432 0.334  14.49
52)m DIBROMOCHLOROMETH 0.398 0.371 0.394 0.404 0.459 0.527 0.648 0.457  21.75
53)m 1,2-DIBROMOETHANE 0.356 0.340 0.320 0.320 0.346 0.401 0.477 0.366  15.36
54)m CHLOROBENZENE     0.520 0.489 0.473 0.472 0.508 0.568 0.675 0.529  13.62
55)m ETHYLBENZENE      0.712 0.710 0.770 0.770 0.845 0.935 1.107 0.835  17.15
56)m m,p-XYLENE        0.256 0.265 0.293 0.293 0.321 0.361 0.422 0.316  18.51
57)m o-XYLENE          0.263 0.275 0.299 0.293 0.326 0.363 0.427 0.321  17.90
58)m STYRENE           0.326 0.334 0.389 0.413 0.481 0.554 0.652 0.450  26.72
59)m NONANE            0.331 0.342 0.378 0.375 0.420 0.467 0.557 0.410  19.44
60)m BROMOFORM         0.312 0.329 0.356 0.381 0.461 0.547 0.686 0.439  31.07
         ----- Quadratic regression -----  Coefficient =  0.9999
              Response Ratio = -0.01089 + 0.40535 *A + 0.07092 *A^2

61)S 4-BROMOFLUOROBENZ 0.684 0.683 0.710 0.725 0.758 0.774 0.806 0.734   6.38
62)m 1,1,2,2-TETRACHLO 0.499 0.489 0.428 0.437 0.485 0.543 0.638 0.503  14.11
63)m ISOPROPYLBENZENE  0.866 0.856 0.895 0.883 0.995 1.102 1.293 0.984  16.49
64)m 2-CHLOROTOLUENE   0.621 0.599 0.629 0.633 0.718 0.800 0.949 0.707  18.10
65)m 4-ETHYLTOLUENE    0.696 0.715 0.766 0.788 0.937 1.031 1.237 0.881  22.53
66)m 1,3,5-TRIMETHYLBE 0.739 0.753 0.738 0.775 0.881 0.964 1.137 0.855  17.60
67)m 1,2,4-TRIMETHYLBE 0.601 0.670 0.692 0.714 0.820 0.920 1.095 0.788  21.75
68)m m-DICHLOROBENZENE 0.503 0.501 0.461 0.460 0.542 0.623 0.771 0.551  20.25
69)m BENZYL CHLORIDE   0.222 0.296 0.294 0.347 0.455 0.570 0.733 0.417  43.53
         ----- Quadratic regression -----  Coefficient =  0.9997
              Response Ratio = -0.01876 + 0.39959 *A + 0.08482 *A^2

70)m p-DICHLOROBENZENE 0.498 0.379 0.455 0.480 0.544 0.612 0.757 0.532  23.06
71)m o-DICHLOROBENZENE 0.508 0.516 0.427 0.445 0.505 0.571 0.701 0.525  17.40
72)m HEXACHLOROBUTADIE 0.863 0.830 0.274 0.267 0.286 0.265 0.374 0.451  60.41
         ----- Quadratic regression -----  Coefficient =  0.9982
              Response Ratio = 0.02950 + 0.16697 *A + 0.04951 *A^2

73)m 1,2,4-TRICHLOROBE 0.295 0.311 0.137 0.162 0.192 0.204 0.281 0.226  30.56
         ----- Quadratic regression -----  Coefficient =  0.9995
              Response Ratio = 0.00601 + 0.13315 *A + 0.03651 *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

          Q071607T.m        Wed Jul 18 14:23:22 2007   RPT1
```

Continuing Calibration Summary

Job Number: M66801
Account: GEI GEI Consultants, Inc.
Project: GEI Tufts Street Somerville MA

Sample: MSQ214-CC214
Lab FileID: Q3984A.D

Evaluate Continuing Calibration Report

Data File : C:\msdchem\1\DATA\Q3984a.D Vial: 3
Acq On : 17 Jul 2007 8:45 am Operator: danat
Sample : cc214-10 (M209) Inst : MAMSQ
Misc : MS13893, MSQ214,,,,,1 Multiplr: 1.00
MS Integration Params: LSCINT.P

Method : C:\msdchem\1\METHODS\Q071607T.m (RTE Integrator)
Title : TO15 by GCMS w/DB-1 60 m X .25 mm ID 1.0 um
Last Update : Tue Jul 17 08:27:00 2007
Response via : Multiple Level Calibration

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

		Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)	RT Window
1	I	BROMOCHLOROMETHANE	1.000	1.000	0.0	90	0.00	8.43- 8.84
2	m	DICHLORODIFLUOROMETHAN	3.382	3.665	-8.4	106	0.00	3.83- 4.24
3	m	PROPYLENE	0.528	0.555	-5.1	90	0.00	3.76- 4.17
4	m	FREON 114	3.132	3.364	-7.4	102	0.00	4.09- 4.50
5	m	CHLOROMETHANE	0.725	0.769	-6.1	99	0.00	4.00- 4.41
6	m	VINYL CHLORIDE	0.853	0.905	-6.1	98	0.00	4.21- 4.63
7	m	1,3-BUTADIENE	0.695	0.745	-7.2	100	0.00	4.35- 4.77
8	m	BROMOMETHANE	0.963	1.045	-8.5	99	0.00	4.63- 5.04
9	m	CHLOROETHANE	0.338	0.385	-13.9	96	0.00	4.80- 5.22
10	m	TRICHLOROFLUOROMETHANE	3.317	3.787	-14.2	112	0.00	5.58- 5.99
		----------	True	Calc.	% Drift	----------		
11	m	ISOPROPYL ALCOHOL	10.000	9.677	3.2	93	0.00	5.59- 6.06
12	m	ACETONE	10.000	8.199	18.0	80	0.00	5.39- 5.80
		----------	AvgRF	CCRF	% Dev	----------		
13	m	PENTANE	0.727	0.836	-15.0	109	0.00	5.99- 6.30
14	m	1,1-DICHLOROETHYLENE	0.932	0.975	-4.6	98	0.00	6.22- 6.63
15	m	CARBON DISULFIDE	2.346	2.727	-16.2	108	0.00	6.65- 7.06
16	m	ETHANOL	0.248	0.201	19.0	85	0.00	4.86- 5.33
17	m	BROMOETHENE	0.961	1.033	-7.5	100	0.00	5.16- 5.58
		----------	True	Calc.	% Drift	----------		
18	m	METHYLENE CHLORIDE	10.000	7.273	27.3	71	0.00	6.39- 6.69
		----------	AvgRF	CCRF	% Dev	----------		
19	m	3-CHLOROPROPENE	0.700	0.778	-11.1	108	0.00	6.45- 6.87
20	m	FREON 113	2.317	2.096	9.5	91	0.00	6.59- 7.01
21	m	TRANS-1,2-DICHLOROETHY	0.894	0.960	-7.4	100	0.00	7.26- 7.67
22	m	TERTIARY BUTYL ALCOHOL	1.573	1.677	-6.6	98	0.00	6.17- 6.69
23	m	METHYL TERTIARY BUTYL	2.070	1.977	4.5	90	0.00	7.50- 7.92
24	m	TETRAHYDROFURAN	0.624	0.562	9.9	80	0.00	9.00- 9.29
		----------	True	Calc.	% Drift	----------		
25	m	HEXANE	10.000	7.939	20.6	75	0.00	8.46- 8.87
		----------	AvgRF	CCRF	% Dev	----------		
26	m	VINYL ACETATE	1.501	1.436	4.3	94	0.00	7.61- 7.96
27	m	1,1-DICHLOROETHANE	1.477	1.576	-6.7	102	0.00	7.46- 7.87
28	m	METHYL ETHYL KETONE	1.356	1.234	9.0	86	0.00	7.79- 8.27
29	m	cis-1,2-DICHLOROETHYLE	0.790	0.808	-2.3	94	0.00	8.26- 8.68
30	m	ETHYL ACETATE	2.643	2.040	22.8	80	0.00	8.45- 8.87

Continuing Calibration Summary

Job Number: M66801
Account: GEI GEI Consultants, Inc.
Project: GEI Tufts Street Somerville MA

Sample: MSQ214-CC214
Lab FileID: Q3984A.D

31	m	CHLOROFORM	2.044	2.087	-2.1	95	0.00	8.54- 8.96
32	m	1,1,1-TRICHLOROETHANE	2.064	2.182	-5.7	99	0.00	9.50- 9.92
33	m	CARBON TETRACHLORIDE	2.419	2.708	-11.9	101	0.00	10.09-10.50
34	m	1,2-DICHLOROETHANE	1.200	1.223	-1.9	96	0.00	9.26- 9.67
35	I	1,4-DIFLUOROBENZENE	1.000	1.000	0.0	90	0.00	10.26-10.67
36	m	BENZENE	0.461	0.423	8.2	86	0.00	9.94-10.36
37	m	CYCLOHEXANE	0.197	0.197	0.0	89	0.00	10.21-10.62
38	m	TRICHLOROETHYLENE	0.258	0.261	-1.2	94	0.00	10.99-11.30
39	m	1,2-DICHLOROPROPANE	0.156	0.145	7.1	86	0.00	10.72-11.13
40	m	BROMODICHLOROMETHANE	0.410	0.419	-2.2	95	0.00	10.95-11.26
41	m	2,2,4-TRIMETHYLPENTANE	0.704	0.715	-1.6	92	0.00	10.96-11.37
42	m	1,4-DIOXANE	0.091	0.086	5.5	87	0.00	10.87-11.40
43	m	HEPTANE	0.258	0.256	0.8	90	0.00	11.25-11.56
44	m	METHYL ISOBUTYL KETONE	0.331	0.315	4.8	86	0.00	11.76-12.20
45	m	cis-1,3-DICHLOROPROPEN	0.239	0.241	-0.8	92	0.00	11.76-12.17
46	m	TOLUENE	0.333	0.295	11.4	83	0.00	12.72-13.13
47	m	trans-1,3-DICHLOROPROP	0.219	0.194	11.4	79	0.00	12.31-12.62
48	m	1,1,2-TRICHLOROETHANE	0.172	0.158	8.1	86	0.00	12.46-12.82
49	I	CHLOROBENZENE-D5	1.000	1.000	0.0	89	0.00	14.55-14.86
50	m	2-HEXANONE	0.322	0.301	6.5	85	0.00	12.95-13.35
51	m	TETRACHLOROETHYLENE	0.334	0.329	1.5	91	0.00	13.85-14.26
52	m	DIBROMOCHLOROMETHANE	0.457	0.471	-3.1	91	0.00	13.17-13.53
53	m	1,2-DIBROMOETHANE	0.366	0.342	6.6	88	0.00	13.44-13.75
54	m	CHLOROBENZENE	0.529	0.492	7.0	86	0.00	14.60-14.91
55	m	ETHYLBENZENE	0.835	0.792	5.1	83	0.00	14.95-15.31
56	m	m,p-XYLENE	0.316	0.309	2.2	85	0.00	15.15-15.51
57	m	o-XYLENE	0.321	0.313	2.5	85	0.00	15.64-16.01
58	m	STYRENE	0.450	0.460	-2.2	85	0.00	15.55-15.86
59	m	NONANE	0.410	0.418	-2.0	88	0.00	15.87-16.18
		----------	True	Calc.	% Drift		----------	
60	m	BROMOFORM	10.000	9.823	1.8	88	0.00	15.27-15.58
		----------	AvgRF	CCRF	% Dev		----------	
61	S	4-BROMOFLUOROBENZENE	0.734	0.792	-7.9	93	0.00	16.17-16.48
62	m	1,1,2,2-TETRACHLOROETH	0.503	0.487	3.2	89	0.00	15.66-15.97
63	m	ISOPROPYLBENZENE	0.984	0.975	0.9	87	0.00	16.31-16.62
64	m	2-CHLOROTOLUENE	0.707	0.718	-1.6	89	0.00	16.81-17.22
65	m	4-ETHYLTOLUENE	0.881	0.860	2.4	82	0.00	17.08-17.34
66	m	1,3,5-TRIMETHYLBENZENE	0.855	0.873	-2.1	88	0.00	17.16-17.42
67	m	1,2,4-TRIMETHYLBENZENE	0.788	0.846	-7.4	92	0.00	17.60-17.91
68	m	m-DICHLOROBENZENE	0.551	0.562	-2.0	92	0.00	17.78-18.11
		----------	True	Calc.	% Drift		----------	
69	m	BENZYL CHLORIDE	10.000	10.142	-1.4	92	0.00	17.76-18.07
		----------	AvgRF	CCRF	% Dev		----------	
70	m	p-DICHLOROBENZENE	0.532	0.565	-6.2	92	0.00	17.89-18.13
71	m	o-DICHLOROBENZENE	0.525	0.515	1.9	91	0.00	18.25-18.56
		----------	True	Calc.	% Drift		----------	
72	m	HEXACHLOROBUTADIENE	10.000	14.094	-40.9#	113	0.00	20.59-21.00
73	m	1,2,4-TRICHLOROBENZENE	10.000	13.186	-31.9#	113	0.00	20.10-20.51
		----------	AvgRF	CCRF	% Dev		----------	
74	m	NAPHTHALENE		----------NA----------				
75		2-METHYLNAPHTHALENE		----------NA----------				
76		1-METHYLNAPHTHALENE		----------NA----------				

Continuing Calibration Summary

Job Number: M66801
Account: GEI GEI Consultants, Inc.
Project: GEI Tufts Street Somerville MA

Sample: MSQ214-CC214
Lab FileID: Q3984A.D

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   (#) = Out of Range                SPCC's out = 0  CCC's out = 0
    Q3979.D    Q071607T.m       Tue Jul 17 14:06:51 2007   RPT1
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Initial Calibration Verification

Job Number: M66801
Account: GEI GEI Consultants, Inc.
Project: GEI Tufts Street Somerville MA

Sample: MSQ214-ICV214
Lab FileID: Q3984.D

Evaluate Continuing Calibration Report

Data File : C:\msdchem\1\DATA\Q3984.D Vial: 3
Acq On : 17 Jul 2007 8:45 am Operator: danat
Sample : icv214-10 (M209) Inst : MAMSQ
Misc : MS13893, MSQ214,,,,,1 Multiplr: 1.00
MS Integration Params: LSCINT.P

Method : C:\msdchem\1\METHODS\Q071607T.m (RTE Integrator)
Title : TO15 by GCMS w/DB-1 60 m X .25 mm ID 1.0 um
Last Update : Tue Jul 17 08:27:00 2007
Response via : Multiple Level Calibration

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

		Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)	RT Window
1	I	BROMOCHLOROMETHANE	1.000	1.000	0.0	90	0.00	8.43- 8.84
2	m	DICHLORODIFLUOROMETHAN	3.382	3.665	-8.4	106	0.00	3.83- 4.24
3	m	PROPYLENE	0.528	0.555	-5.1	90	0.00	3.76- 4.17
4	m	FREON 114	3.132	3.364	-7.4	102	0.00	4.09- 4.50
5	m	CHLOROMETHANE	0.725	0.769	-6.1	99	0.00	4.00- 4.41
6	m	VINYL CHLORIDE	0.853	0.905	-6.1	98	0.00	4.21- 4.63
7	m	1,3-BUTADIENE	0.695	0.745	-7.2	100	0.00	4.35- 4.77
8	m	BROMOMETHANE	0.963	1.045	-8.5	99	0.00	4.63- 5.04
9	m	CHLOROETHANE	0.338	0.385	-13.9	96	0.00	4.80- 5.22
10	m	TRICHLOROFLUOROMETHANE	3.317	3.787	-14.2	112	0.00	5.58- 5.99
		----------	True	Calc.	% Drift		----------	
11	m	ISOPROPYL ALCOHOL	10.000	9.677	3.2	93	0.00	5.59- 6.06
12	m	ACETONE	10.000	8.199	18.0	80	0.00	5.39- 5.80
		----------	AvgRF	CCRF	% Dev		----------	
13	m	PENTANE	0.727	0.836	-15.0	109	0.00	5.99- 6.30
14	m	1,1-DICHLOROETHYLENE	0.932	0.975	-4.6	98	0.00	6.22- 6.63
15	m	CARBON DISULFIDE	2.346	2.727	-16.2	108	0.00	6.65- 7.06
16	m	ETHANOL	0.248	0.201	19.0	85	0.00	4.86- 5.33
17	m	BROMOETHENE	0.961	1.033	-7.5	100	0.00	5.16- 5.58
		----------	True	Calc.	% Drift		----------	
18	m	METHYLENE CHLORIDE	10.000	7.273	27.3	71	0.00	6.39- 6.69
		----------	AvgRF	CCRF	% Dev		----------	
19	m	3-CHLOROPROPENE	0.700	0.778	-11.1	108	0.00	6.45- 6.87
20	m	FREON 113	2.317	2.096	9.5	91	0.00	6.59- 7.01
21	m	TRANS-1,2-DICHLOROETHY	0.894	0.960	-7.4	100	0.00	7.26- 7.67
22	m	TERTIARY BUTYL ALCOHOL	1.573	1.677	-6.6	98	0.00	6.17- 6.69
23	m	METHYL TERTIARY BUTYL	2.070	1.977	4.5	90	0.00	7.50- 7.92
24	m	TETRAHYDROFURAN	0.624	0.562	9.9	80	0.00	9.00- 9.29
		----------	True	Calc.	% Drift		----------	
25	m	HEXANE	10.000	7.939	20.6	75	0.00	8.46- 8.87
		----------	AvgRF	CCRF	% Dev		----------	
26	m	VINYL ACETATE	1.501	1.436	4.3	94	0.00	7.61- 7.96
27	m	1,1-DICHLOROETHANE	1.477	1.576	-6.7	102	0.00	7.46- 7.87
28	m	METHYL ETHYL KETONE	1.356	1.234	9.0	86	0.00	7.79- 8.27
29	m	cis-1,2-DICHLOROETHYLE	0.790	0.808	-2.3	94	0.00	8.26- 8.68
30	m	ETHYL ACETATE	2.643	2.040	22.8	80	0.00	8.45- 8.87

Initial Calibration Verification

Job Number: M66801
Account: GEI GEI Consultants, Inc.
Project: GEI Tufts Street Somerville MA

Sample: MSQ214-ICV214
Lab FileID: Q3984.D

31	m	CHLOROFORM	2.044	2.087	-2.1	95	0.00	8.54- 8.96
32	m	1,1,1-TRICHLOROETHANE	2.064	2.182	-5.7	99	0.00	9.50- 9.92
33	m	CARBON TETRACHLORIDE	2.419	2.708	-11.9	101	0.00	10.09-10.50
34	m	1,2-DICHLOROETHANE	1.200	1.223	-1.9	96	0.00	9.26- 9.67
35	I	1,4-DIFLUOROBENZENE	1.000	1.000	0.0	90	0.00	10.26-10.67
36	m	BENZENE	0.461	0.423	8.2	86	0.00	9.94-10.36
37	m	CYCLOHEXANE	0.197	0.197	0.0	89	0.00	10.21-10.62
38	m	TRICHLOROETHYLENE	0.258	0.261	-1.2	94	0.00	10.99-11.30
39	m	1,2-DICHLOROPROPANE	0.156	0.145	7.1	86	0.00	10.72-11.13
40	m	BROMODICHLOROMETHANE	0.410	0.419	-2.2	95	0.00	10.95-11.26
41	m	2,2,4-TRIMETHYLPENTANE	0.704	0.715	-1.6	92	0.00	10.96-11.37
42	m	1,4-DIOXANE	0.091	0.086	5.5	87	0.00	10.87-11.40
43	m	HEPTANE	0.258	0.256	0.8	90	0.00	11.25-11.56
44	m	METHYL ISOBUTYL KETONE	0.331	0.315	4.8	86	0.00	11.76-12.20
45	m	cis-1,3-DICHLOROPROPEN	0.239	0.241	-0.8	92	0.00	11.76-12.17
46	m	TOLUENE	0.333	0.295	11.4	83	0.00	12.72-13.13
47	m	trans-1,3-DICHLOROPROP	0.219	0.194	11.4	79	0.00	12.31-12.62
48	m	1,1,2-TRICHLOROETHANE	0.172	0.158	8.1	86	0.00	12.46-12.82
49	I	CHLOROBENZENE-D5	1.000	1.000	0.0	89	0.00	14.55-14.86
50	m	2-HEXANONE	0.322	0.301	6.5	85	0.00	12.95-13.35
51	m	TETRACHLOROETHYLENE	0.334	0.329	1.5	91	0.00	13.85-14.26
52	m	DIBROMOCHLOROMETHANE	0.457	0.471	-3.1	91	0.00	13.17-13.53
53	m	1,2-DIBROMOETHANE	0.366	0.342	6.6	88	0.00	13.44-13.75
54	m	CHLOROBENZENE	0.529	0.492	7.0	86	0.00	14.60-14.91
55	m	ETHYLBENZENE	0.835	0.792	5.1	83	0.00	14.95-15.31
56	m	m,p-XYLENE	0.316	0.309	2.2	85	0.00	15.15-15.51
57	m	o-XYLENE	0.321	0.313	2.5	85	0.00	15.64-16.01
58	m	STYRENE	0.450	0.460	-2.2	85	0.00	15.55-15.86
59	m	NONANE	0.410	0.418	-2.0	88	0.00	15.87-16.18
		----------	True	Calc.	% Drift		----------	
60	m	BROMOFORM	10.000	9.823	1.8	88	0.00	15.27-15.58
		----------	AvgRF	CCRF	% Dev		----------	
61	S	4-BROMOFLUOROBENZENE	0.734	0.792	-7.9	93	0.00	16.17-16.48
62	m	1,1,2,2-TETRACHLOROETH	0.503	0.487	3.2	89	0.00	15.66-15.97
63	m	ISOPROPYLBENZENE	0.984	0.975	0.9	87	0.00	16.31-16.62
64	m	2-CHLOROTOLUENE	0.707	0.718	-1.6	89	0.00	16.81-17.22
65	m	4-ETHYLTOLUENE	0.881	0.860	2.4	82	0.00	17.08-17.34
66	m	1,3,5-TRIMETHYLBENZENE	0.855	0.873	-2.1	88	0.00	17.16-17.42
67	m	1,2,4-TRIMETHYLBENZENE	0.788	0.846	-7.4	92	0.00	17.60-17.91
68	m	m-DICHLOROBENZENE	0.551	0.562	-2.0	92	0.00	17.78-18.11
		----------	True	Calc.	% Drift		----------	
69	m	BENZYL CHLORIDE	10.000	10.142	-1.4	92	0.00	17.76-18.07
		----------	AvgRF	CCRF	% Dev		----------	
70	m	p-DICHLOROBENZENE	0.532	0.565	-6.2	92	0.00	17.89-18.13
71	m	o-DICHLOROBENZENE	0.525	0.515	1.9	91	0.00	18.25-18.56
		----------	True	Calc.	% Drift		----------	
72	m	HEXACHLOROBUTADIENE	10.000	14.094	-40.9#	113	0.00	20.59-21.00
73	m	1,2,4-TRICHLOROBENZENE	10.000	13.186	-31.9#	113	0.00	20.10-20.51
		----------	AvgRF	CCRF	% Dev		----------	
74	m	NAPHTHALENE		----------NA----------				
75		2-METHYLNAPHTHALENE		----------NA----------				
76		1-METHYLNAPHTHALENE		----------NA----------				

Initial Calibration Verification

Job Number: M66801
Account: GEI GEI Consultants, Inc.
Project: GEI Tufts Street Somerville MA

Sample: MSQ214-ICV214
Lab FileID: Q3984.D

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   (#) = Out of Range                SPCC's out = 0  CCC's out = 0
    Q3979.D    Q071607T.m       Tue Jul 17 14:05:47 2007   RPT1
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Initial Calibration Summary

Job Number: M66801
Account: GEI GEI Consultants, Inc.
Project: GEI Tufts Street Somerville MA

Sample: MSQ223-ICC223
Lab FileID: Q4204.D

Response Factor Report MAMSQ

Method : C:\msdchem\1\METHODS\Q080707T.m (RTE Integrator)
Title : TO15 by GCMS w/DB-1 60 m X .25 mm ID 1.0 um
Last Update : Tue Aug 07 16:18:47 2007
Response via : Initial Calibration

Calibration Files
.2 =Q4201.D .5 =Q4200.D 2 =Q4206.D
5 =Q4205.D 10 =Q4204.D 20 =Q4203.D 40 =Q4202.D

Compound	.2	.5	2	5	10	20	40	Avg	%RSD
1) I BROMOCHLOROMETHANE	----------ISTD----------								
2)m DICHLORODIFLUOROM	6.735	5.728	7.320	5.686	4.888	4.686	4.768	5.687	17.95
3)m PROPYLENE	0.721	0.637	0.958	0.717	0.531	0.549	0.634	0.678	21.19
4)m FREON 114	5.819	4.783	5.636	4.524	4.342	4.448	4.215	4.824	13.35
5)m CHLOROMETHANE	1.260	1.095	1.344	1.028	0.797	0.842	0.931	1.042	19.75
6)m VINYL CHLORIDE	1.482	1.262	1.657	1.304	1.110	1.141	1.162	1.303	15.44
7)m 1,3-BUTADIENE	1.110	0.987	1.164	0.952	0.815	0.870	0.953	0.979	12.62
8)m BROMOMETHANE	1.715	1.371	1.706	1.412	1.497	1.472	1.287	1.494	10.90
9)m CHLOROETHANE	0.505	0.535	0.564	0.491	0.508	0.523	0.541	0.524	4.76
10)m TRICHLOROFLUOROME	6.541	5.402	6.448	5.462	5.235	4.926	4.645	5.523	13.06
11)m ISOPROPYL ALCOHOL	3.835	2.267	2.154	1.843	1.503	1.484	1.699	2.112	38.67
----- Quadratic regression ----- Coefficient = 0.9988									
Response Ratio = 0.12414 + 1.26064 *A + 0.10074 *A^2									
12)m ACETONE	4.417	2.815	2.104	1.750	1.482	1.509	1.689	2.253	47.06
----- Quadratic regression ----- Coefficient = 0.9995									
Response Ratio = 0.11784 + 1.28100 *A + 0.09404 *A^2									
13)m PENTANE	1.343	1.077	1.441	1.237	1.007	0.971	1.038	1.159	15.70
14)m 1,1-DICHLOROETHYL	1.483	1.259	1.775	1.514	1.538	1.541	1.334	1.492	11.08
15)m CARBON DISULFIDE	3.676	3.184	4.914	4.392	4.221	4.033	3.735	4.022	13.90
16)m ETHANOL	0.513	0.423	0.354	0.283	0.228	0.232	0.258	0.327	32.97
----- Quadratic regression ----- Coefficient = 0.9990									
Response Ratio = 0.01929 + 0.19914 *A + 0.01351 *A^2									
17)m BROMOETHENE	1.394	1.226	1.628	1.402	1.509	1.495	1.256	1.416	10.08
18)m METHYLENE CHLORID	4.092	2.489	1.674	1.306	1.325	1.309	1.211	1.915	55.21
----- Linear regression (equal Weighting)----- Coefficient = 0.9988									
Response Ratio = 0.08890 + 1.20446 *A									
19)m 3-CHLOROPROPENE	1.185	1.100	1.338	1.159	1.220	1.212	1.316	1.218	6.91
20)m FREON 113	3.548	2.806	3.124	2.602	3.030	3.033	2.438	2.940	12.46
21)m TRANS-1,2-DICHLOR	1.422	1.225	1.571	1.400	1.504	1.493	1.318	1.419	8.33
22)m TERTIARY BUTYL AL	1.644	1.829	2.574	2.378	2.206	2.223	2.390	2.178	15.13
23)m METHYL TERTIARY B	2.299	2.321	3.111	2.822	3.015	3.037	3.020	2.803	12.43
24)m TETRAHYDROFURAN	0.406	0.468	0.776	0.756	0.545	0.580	0.788	0.617	25.35
25)m HEXANE	2.989	1.844	1.920	1.650	1.252	1.264	1.504	1.775	33.52
----- Quadratic regression ----- Coefficient = 0.9981									
Response Ratio = 0.12100 + 1.01676 *A + 0.11312 *A^2									
26)m VINYL ACETATE	1.755	1.592	2.055	1.916	1.808	1.926	2.205	1.894	10.61
27)m 1,1-DICHLOROETHAN	2.507	2.515	2.795	2.449	2.615	2.638	2.664	2.598	4.51
28)m METHYL ETHYL KETO	1.406	1.417	1.809	1.743	1.342	1.395	1.734	1.549	13.01
29)m cis-1,2-DICHLOROE	0.864	0.969	1.281	1.207	1.147	1.223	1.263	1.136	13.98
30)m ETHYL ACETATE	3.430	2.821	3.200	2.978	2.228	2.278	2.958	2.842	15.75
31)m CHLOROFORM	3.361	3.193	3.700	3.303	3.033	3.094	3.352	3.291	6.69

Initial Calibration Summary

Job Number: M66801 **Sample:** MSQ223-ICC223
Account: GEI GEI Consultants, Inc. **Lab FileID:** Q4204.D
Project: GEI Tufts Street Somerville MA

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32)m 1,1,1-TRICHLOROET 3.210 3.295 3.875 3.424 3.391 3.406 3.641 3.463   6.50
33)m CARBON TETRACHLOR 3.972 3.652 4.573 4.165 3.921 3.877 3.974 4.019   7.17
34)m 1,2-DICHLOROETHAN 1.820 1.949 2.382 2.021 1.898 2.008 2.304 2.055  10.21

35) I   1,4-DIFLUOROBENZENE   ----------------ISTD--------------------
36)m BENZENE           0.499 0.570 0.748 0.649 0.597 0.644 0.812 0.646  16.46
37)m CYCLOHEXANE       0.242 0.231 0.375 0.330 0.268 0.267 0.316 0.290  17.97
38)m TRICHLOROETHYLENE 0.371 0.357 0.438 0.399 0.365 0.390 0.455 0.396   9.42
39)m 1,2-DICHLOROPROPA 0.175 0.196 0.248 0.218 0.166 0.186 0.262 0.207  17.74
40)m BROMODICHLOROMETH 0.549 0.566 0.710 0.628 0.612 0.648 0.797 0.644  13.32
41)m 2,2,4-TRIMETHYLPE 0.853 0.891 1.155 1.029 0.841 0.888 1.228 0.984  15.85
42)m 1,4-DIOXANE             0.100 0.122 0.119 0.105 0.112 0.139 0.116  12.00
43)m HEPTANE           0.263 0.291 0.362 0.348 0.276 0.287 0.415 0.320  17.48
44)m METHYL ISOBUTYL K 0.261 0.279 0.415 0.403 0.319 0.332 0.499 0.358  23.68
45)m cis-1,3-DICHLOROP 0.210 0.229 0.354 0.330 0.297 0.338 0.452 0.316  25.81
46)m TOLUENE           0.399 0.384 0.454 0.420 0.397 0.447 0.577 0.439  14.98
47)m trans-1,3-DICHLOR 0.187 0.193 0.309 0.299 0.278 0.309 0.431 0.286  28.79
48)m 1,1,2-TRICHLOROET 0.205 0.202 0.262 0.231 0.195 0.216 0.293 0.229  15.76

49) I   CHLOROBENZENE-D5      ----------------ISTD--------------------
50)m 2-HEXANONE        0.210 0.254 0.380 0.376 0.309 0.328 0.493 0.336  27.58
51)m TETRACHLOROETHYLE 0.425 0.413 0.454 0.408 0.476 0.513 0.506 0.456   9.53
52)m DIBROMOCHLOROMETH 0.450 0.484 0.653 0.601 0.680 0.726 0.811 0.629  20.48
53)m 1,2-DIBROMOETHANE 0.362 0.396 0.523 0.466 0.443 0.484 0.585 0.466  16.15
54)m CHLOROBENZENE     0.592 0.613 0.753 0.667 0.654 0.729 0.836 0.692  12.40
55)m ETHYLBENZENE      0.684 0.717 1.147 1.072 1.041 1.112 1.375 1.021  23.95
56)m m,p-XYLENE        0.239 0.268 0.418 0.390 0.391 0.422 0.490 0.374  23.84
57)m o-XYLENE          0.198 0.249 0.408 0.391 0.393 0.426 0.485 0.364  28.13
58)m STYRENE           0.248 0.306 0.527 0.528 0.556 0.620 0.729 0.502  33.80
         ----- Quadratic regression -----  Coefficient =  1.0000
              Response Ratio = -0.00596 + 0.51285 *A + 0.05449 *A^2

59)m NONANE            0.280 0.336 0.514 0.485 0.412 0.452 0.678 0.451  28.70
60)m BROMOFORM         0.315 0.368 0.529 0.520 0.639 0.723 0.776 0.553  31.21
         ----- Quadratic regression -----  Coefficient =  0.9994
              Response Ratio = -0.02946 + 0.65720 *A + 0.03184 *A^2

61)S 4-BROMOFLUOROBENZ 0.739 0.763 0.794 0.787 0.860 0.840 0.877 0.809   6.40
62)m 1,1,2,2-TETRACHLO 0.512 0.519 0.656 0.610 0.538 0.582 0.734 0.593  13.63
63)m ISOPROPYLBENZENE  0.801 0.831 1.248 1.166 1.205 1.295 1.426 1.139  20.67
64)m 2-CHLOROTOLUENE   0.535 0.606 0.941 0.878 0.907 0.985 1.141 0.856  24.95
65)m 4-ETHYLTOLUENE    0.524 0.614 1.035 0.999 1.079 1.180 1.303 0.962  29.91
66)m 1,3,5-TRIMETHYLBE 0.550 0.667 1.078 1.007 1.096 1.130 1.225 0.965  26.34
67)m 1,2,4-TRIMETHYLBE 0.472 0.570 0.925 0.901 0.972 1.085 1.163 0.870  29.49
68)m m-DICHLOROBENZENE 0.419 0.446 0.576 0.531 0.621 0.691 0.721 0.572  20.16
69)m BENZYL CHLORIDE   0.179 0.219 0.368 0.394 0.457 0.543 0.695 0.408  43.96
         ----- Quadratic regression -----  Coefficient =  1.0000
              Response Ratio = -0.00936 + 0.39247 *A + 0.07620 *A^2

70)m p-DICHLOROBENZENE 0.351 0.432 0.565 0.520 0.588 0.658 0.686 0.543  22.03
71)m o-DICHLOROBENZENE 0.394 0.445 0.548 0.503 0.551 0.639 0.650 0.533  17.72
72)m HEXACHLOROBUTADIE 0.698 0.706 0.365 0.331 0.409 0.386 0.241 0.448  40.57
         ----- Quadratic regression -----  Coefficient =  0.9935
              Response Ratio = -0.01785 + 0.50764 *A + -0.06515 *A^2

73)m 1,2,4-TRICHLOROBE 0.189 0.231 0.123 0.140 0.187 0.217 0.151 0.177  22.70
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: M66801
Account: GEI GEI Consultants, Inc.
Project: GEI Tufts Street Somerville MA

Sample: MSQ223-ICC223
Lab FileID: Q4204.D

(#) = Out of Range

Q080707T.m Wed Aug 08 15:18:00 2007 RPT1

Initial Calibration Verification

Job Number: M66801
Account: GEI GEI Consultants, Inc.
Project: GEI Tufts Street Somerville MA

Sample: MSQ223-ICV223
Lab FileID: Q4209.D

Evaluate Continuing Calibration Report

Data File : C:\msdchem\1\DATA\Q4209.D Vial: 1
Acq On : 8 Aug 2007 9:36 am Operator: danat
Sample : icv223-10 (M164) Inst : MAMSQ
Misc : MS14034, MSQ223,,,,,1 Multiplr: 1.00
MS Integration Params: LSCINT.P

Method : C:\msdchem\1\METHODS\Q080707T.m (RTE Integrator)
Title : TO15 by GCMS w/DB-1 60 m X .25 mm ID 1.0 um
Last Update : Thu Aug 09 09:41:35 2007
Response via : Multiple Level Calibration

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

		Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)	RT Window
1	I	BROMOCHLOROMETHANE	1.000	1.000	0.0	82	0.00	8.42- 8.84
2	m	DICHLORODIFLUOROMETHAN	5.687	5.299	6.8	89	0.00	3.83- 4.24
3	m	PROPYLENE	0.678	0.497	26.7	77	0.00	3.76- 4.17
4	m	FREON 114	4.824	4.731	1.9	90	0.00	4.09- 4.51
5	m	CHLOROMETHANE	1.042	0.836	19.8	86	0.00	3.99- 4.40
6	m	VINYL CHLORIDE	1.303	1.215	6.8	90	0.00	4.21- 4.63
7	m	1,3-BUTADIENE	0.979	1.099	-12.3	111	0.00	4.36- 4.77
8	m	BROMOMETHANE	1.494	1.570	-5.1	86	0.00	4.63- 5.04
9	m	CHLOROETHANE	0.524	0.581	-10.9	94	0.00	4.80- 5.21
10	m	TRICHLOROFLUOROMETHANE	5.523	6.744	-22.1	106	0.00	5.58- 5.99
		----------	True	Calc.	% Drift		----------	
11	m	ISOPROPYL ALCOHOL	10.000	12.680	-26.8	103	0.00	5.59- 6.06
12	m	ACETONE	10.000	12.279	-22.8	102	0.00	5.39- 5.81
		----------	AvgRF	CCRF	% Dev		----------	
13	m	PENTANE	1.159	1.245	-7.4	102	0.00	5.99- 6.30
14	m	1,1-DICHLOROETHYLENE	1.492	1.547	-3.7	83	0.00	6.22- 6.63
15	m	CARBON DISULFIDE	4.022	4.561	-13.4	89	0.00	6.65- 7.06
		----------	True	Calc.	% Drift		----------	
16	m	ETHANOL	10.000	11.252	-12.5	94	0.00	4.86- 5.32
		----------	AvgRF	CCRF	% Dev		----------	
17	m	BROMOETHENE	1.416	1.588	-12.1	87	0.00	5.16- 5.58
		----------	True	Calc.	% Drift		----------	
18	m	METHYLENE CHLORIDE	10.000	10.476	-4.8	84	0.00	6.39- 6.69
		----------	AvgRF	CCRF	% Dev		----------	
19	m	3-CHLOROPROPENE	1.218	1.672	-37.3#	113	0.00	6.46- 6.87
20	m	FREON 113	2.940	2.952	-0.4	80	0.00	6.59- 7.01
21	m	TRANS-1,2-DICHLOROETHY	1.419	1.603	-13.0	88	0.00	7.26- 7.67
22	m	TERTIARY BUTYL ALCOHOL	2.178	2.636	-21.0	98	0.00	6.17- 6.69
23	m	METHYL TERTIARY BUTYL	2.803	3.427	-22.3	94	0.00	7.50- 7.91
24	m	TETRAHYDROFURAN	0.617	0.717	-16.2	108	0.00	8.99- 9.28
		----------	True	Calc.	% Drift		----------	
25	m	HEXANE	10.000	11.615	-16.2	96	0.00	8.46- 8.87
		----------	AvgRF	CCRF	% Dev		----------	
26	m	VINYL ACETATE	1.894	2.355	-24.3	107	0.00	7.61- 7.96

Initial Calibration Verification

Job Number: M66801
Account: GEI GEI Consultants, Inc.
Project: GEI Tufts Street Somerville MA

Sample: MSQ223-ICV223
Lab FileID: Q4209.D

27	m	1,1-DICHLOROETHANE	2.598	3.123	-20.2	98	0.00	7.45- 7.87
28	m	METHYL ETHYL KETONE	1.549	1.742	-12.5	107	0.00	7.79- 8.27
29	m	cis-1,2-DICHLOROETHYLE	1.136	1.263	-11.2	91	0.00	8.26- 8.67
30	m	ETHYL ACETATE	2.842	2.796	1.6	103	0.00	8.45- 8.87
31	m	CHLOROFORM	3.291	3.750	-13.9	102	0.00	8.54- 8.96
32	m	1,1,1-TRICHLOROETHANE	3.463	4.269	-23.3	104	0.00	9.50- 9.91
33	m	CARBON TETRACHLORIDE	4.019	4.926	-22.6	103	0.00	10.08-10.50
34	m	1,2-DICHLOROETHANE	2.055	2.584	-25.7	112	0.00	9.25- 9.66
35	I	1,4-DIFLUOROBENZENE	1.000	1.000	0.0	86	0.00	10.25-10.67
36	m	BENZENE	0.646	0.674	-4.3	97	0.00	9.94-10.35
37	m	CYCLOHEXANE	0.290	0.284	2.1	91	0.00	10.20-10.62
38	m	TRICHLOROETHYLENE	0.396	0.430	-8.6	101	0.00	10.99-11.30
39	m	1,2-DICHLOROPROPANE	0.207	0.215	-3.9	111	0.00	10.71-11.13
40	m	BROMODICHLOROMETHANE	0.644	0.743	-15.4	104	0.00	10.95-11.26
41	m	2,2,4-TRIMETHYLPENTANE	0.984	1.040	-5.7	106	0.00	10.96-11.37
42	m	1,4-DIOXANE	0.116	0.114	1.7	93	0.00	10.87-11.39
43	m	HEPTANE	0.320	0.343	-7.2	107	0.00	11.25-11.56
44	m	METHYL ISOBUTYL KETONE	0.358	0.394	-10.1	106	0.00	11.76-12.19
45	m	cis-1,3-DICHLOROPROPEN	0.316	0.393	-24.4	113	0.00	11.75-12.17
46	m	TOLUENE	0.439	0.454	-3.4	98	0.00	12.71-13.13
47	m	trans-1,3-DICHLOROPROP	0.286	0.326	-14.0	101	0.00	12.30-12.61
48	m	1,1,2-TRICHLOROETHANE	0.229	0.239	-4.4	105	0.00	12.46-12.82
49	I	CHLOROBENZENE-D5	1.000	1.000	0.0	89	0.00	14.55-14.86
50	m	2-HEXANONE	0.336	0.380	-13.1	110	0.00	12.94-13.34
51	m	TETRACHLOROETHYLENE	0.456	0.475	-4.2	89	0.00	13.85-14.26
52	m	DIBROMOCHLOROMETHANE	0.629	0.741	-17.8	97	0.00	13.17-13.53
53	m	1,2-DIBROMOETHANE	0.466	0.513	-10.1	103	0.00	13.44-13.75
54	m	CHLOROBENZENE	0.692	0.721	-4.2	98	0.00	14.59-14.90
55	m	ETHYLBENZENE	1.021	1.141	-11.8	98	0.00	14.95-15.31
56	m	m,p-XYLENE	0.374	0.427	-14.2	97	0.00	15.14-15.50
57	m	o-XYLENE	0.364	0.433	-19.0	98	0.00	15.64-16.00
		----------	True	Calc.	% Drift		----------	
58	m	STYRENE	10.000	11.159	-11.6	102	0.00	15.54-15.85
		----------	AvgRF	CCRF	% Dev		----------	
59	m	NONANE	0.451	0.556	-23.3	120	0.00	15.87-16.18
		----------	True	Calc.	% Drift		----------	
60	m	BROMOFORM	10.000	10.316	-3.2	95	0.00	15.27-15.58
		----------	AvgRF	CCRF	% Dev		----------	
61	S	4-BROMOFLUOROBENZENE	0.809	0.895	-10.6	93	0.00	16.17-16.48
62	m	1,1,2,2-TETRACHLOROETH	0.593	0.629	-6.1	104	0.00	15.65-15.96
63	m	ISOPROPYLBENZENE	1.139	1.351	-18.6	100	0.00	16.31-16.62
64	m	2-CHLOROTOLUENE	0.856	1.029	-20.2	101	0.00	16.81-17.22
65	m	4-ETHYLTOLUENE	0.962	1.014	-5.4	84	0.00	17.07-17.34
66	m	1,3,5-TRIMETHYLBENZENE	0.965	1.079	-11.8	88	0.00	17.16-17.42
67	m	1,2,4-TRIMETHYLBENZENE	0.870	1.060	-21.8	97	0.00	17.60-17.91
68	m	m-DICHLOROBENZENE	0.572	0.677	-18.4	97	0.00	17.77-18.10
		----------	True	Calc.	% Drift		----------	
69	m	BENZYL CHLORIDE	10.000	12.116	-21.2	113	0.00	17.76-18.07
		----------	AvgRF	CCRF	% Dev		----------	
70	m	p-DICHLOROBENZENE	0.543	0.666	-22.7	101	0.00	17.89-18.13
71	m	o-DICHLOROBENZENE	0.533	0.617	-15.8	100	0.00	18.24-18.55

Initial Calibration Verification

Job Number: M66801
Account: GEI GEI Consultants, Inc.
Project: GEI Tufts Street Somerville MA

Sample: MSQ223-ICV223
Lab FileID: Q4209.D

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            ----------------------- True    Calc.   % Drift  ------------
72 m   HEXACHLOROBUTADIENE     10.000   9.501      5.0   88   0.00   20.59-21.00

            ----------------------- AvgRF   CCRF     % Dev   -------------
73 m   1,2,4-TRICHLOROBENZENE   0.177   0.239    -35.0# 114   0.00   20.10-20.51
74 m   NAPHTHALENE                          ----------NA----------
75     2-METHYLNAPHTHALENE                 ----------NA----------
76     1-METHYLNAPHTHALENE                 ----------NA----------
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   (#) = Out of Range              SPCC's out = 0  CCC's out = 0
    Q4204.D    Q080707T.m       Thu Aug 09 15:05:04 2007   RPT1
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Continuing Calibration Summary

Job Number: M66801
Account: GEI GEI Consultants, Inc.
Project: GEI Tufts Street Somerville MA

Sample: MSQ225-CC223
Lab FileID: Q4234.D

Evaluate Continuing Calibration Report

Data File : C:\msdchem\1\DATA\Q4234.D Vial: 1
Acq On : 9 Aug 2007 2:36 pm Operator: danat
Sample : cc223-10 (M164) Inst : MAMSQ
Misc : MS14080, MSQ225,,,,,1 Multiplr: 1.00
MS Integration Params: LSCINT.P

Method : C:\msdchem\1\METHODS\Q080707T.m (RTE Integrator)
Title : TO15 by GCMS w/DB-1 60 m X .25 mm ID 1.0 um
Last Update : Thu Aug 09 09:41:35 2007
Response via : Multiple Level Calibration

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

		Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)	RT Window
1	I	BROMOCHLOROMETHANE	1.000	1.000	0.0	80	0.00	8.42- 8.83
2	m	DICHLORODIFLUOROMETHAN	5.687	5.890	-3.6	96	0.00	3.83- 4.24
3	m	PROPYLENE	0.678	0.627	7.5	94	0.00	3.76- 4.17
4	m	FREON 114	4.824	4.517	6.4	83	0.00	4.09- 4.50
5	m	CHLOROMETHANE	1.042	0.820	21.3	82	0.00	3.99- 4.40
6	m	VINYL CHLORIDE	1.303	1.076	17.4	77	0.00	4.21- 4.62
7	m	1,3-BUTADIENE	0.979	0.941	3.9	92	0.00	4.35- 4.76
8	m	BROMOMETHANE	1.494	1.335	10.6	71	0.00	4.63- 5.04
9	m	CHLOROETHANE	0.524	0.492	6.1	77	0.00	4.80- 5.21
10	m	TRICHLOROFLUOROMETHANE	5.523	6.064	-9.8	93	0.00	5.58- 5.99
		----------	True	Calc.	% Drift			----------
11	m	ISOPROPYL ALCOHOL	10.000	11.246	-12.5	89	0.00	5.58- 6.06
12	m	ACETONE	10.000	11.072	-10.7	89	0.00	5.39- 5.80
		----------	AvgRF	CCRF	% Dev			----------
13	m	PENTANE	1.159	1.032	11.0	82	0.00	5.99- 6.29
14	m	1,1-DICHLOROETHYLENE	1.492	1.397	6.4	73	0.00	6.22- 6.63
15	m	CARBON DISULFIDE	4.022	3.848	4.3	73	0.00	6.65- 7.06
		----------	True	Calc.	% Drift			----------
16	m	ETHANOL	10.000	10.130	-1.3	82	0.00	4.86- 5.33
		----------	AvgRF	CCRF	% Dev			----------
17	m	BROMOETHENE	1.416	1.383	2.3	73	0.00	5.16- 5.57
		----------	True	Calc.	% Drift			----------
18	m	METHYLENE CHLORIDE	10.000	9.915	0.9	77	-0.01	6.38- 6.68
		----------	AvgRF	CCRF	% Dev			----------
19	m	3-CHLOROPROPENE	1.218	1.485	-21.9	97	0.00	6.45- 6.86
20	m	FREON 113	2.940	3.057	-4.0	81	0.00	6.59- 7.00
21	m	TRANS-1,2-DICHLOROETHY	1.419	1.440	-1.5	77	0.00	7.26- 7.67
22	m	TERTIARY BUTYL ALCOHOL	2.178	2.662	-22.2	96	0.00	6.17- 6.68
23	m	METHYL TERTIARY BUTYL	2.803	3.356	-19.7	89	0.00	7.50- 7.91
24	m	TETRAHYDROFURAN	0.617	0.789	-27.9	116	0.00	8.99- 9.28
		----------	True	Calc.	% Drift			----------
25	m	HEXANE	10.000	12.242	-22.4	98	0.00	8.46- 8.87
		----------	AvgRF	CCRF	% Dev			----------
26	m	VINYL ACETATE	1.894	2.220	-17.2	98	0.00	7.61- 7.96

Continuing Calibration Summary

Job Number: M66801
Account: GEI GEI Consultants, Inc.
Project: GEI Tufts Street Somerville MA

Sample: MSQ225-CC223
Lab FileID: Q4234.D

27	m	1,1-DICHLOROETHANE	2.598	2.736	-5.3	84	0.00	7.45- 7.87
28	m	METHYL ETHYL KETONE	1.549	1.810	-16.8	108	0.00	7.78- 8.27
29	m	cis-1,2-DICHLOROETHYLE	1.136	1.298	-14.3	90	0.00	8.26- 8.67
30	m	ETHYL ACETATE	2.842	3.058	-7.6	110	0.00	8.45- 8.87
31	m	CHLOROFORM	3.291	3.782	-14.9	100	0.00	8.54- 8.95
32	m	1,1,1-TRICHLOROETHANE	3.463	4.300	-24.2	101	0.00	9.50- 9.91
33	m	CARBON TETRACHLORIDE	4.019	4.964	-23.5	101	0.00	10.08-10.49
34	m	1,2-DICHLOROETHANE	2.055	2.491	-21.2	105	0.00	9.25- 9.66
35	I	1,4-DIFLUOROBENZENE	1.000	1.000	0.0	83	0.00	10.25-10.66
36	m	BENZENE	0.646	0.704	-9.0	98	0.00	9.94-10.35
37	m	CYCLOHEXANE	0.290	0.295	-1.7	91	0.00	10.20-10.61
38	m	TRICHLOROETHYLENE	0.396	0.450	-13.6	102	0.00	10.99-11.30
39	m	1,2-DICHLOROPROPANE	0.207	0.212	-2.4	106	0.00	10.71-11.12
40	m	BROMODICHLOROMETHANE	0.644	0.748	-16.1	102	0.00	10.95-11.26
41	m	2,2,4-TRIMETHYLPENTANE	0.984	1.172	-19.1	116	0.00	10.96-11.37
42	m	1,4-DIOXANE	0.116	0.124	-6.9	98	0.00	10.87-11.39
43	m	HEPTANE	0.320	0.372	-16.2	112	0.00	11.25-11.56
44	m	METHYL ISOBUTYL KETONE	0.358	0.466	-30.0	121	0.00	11.76-12.19
45	m	cis-1,3-DICHLOROPROPEN	0.316	0.421	-33.2#	118	0.00	11.75-12.17
46	m	TOLUENE	0.439	0.492	-12.1	103	0.00	12.71-13.13
47	m	trans-1,3-DICHLOROPROP	0.286	0.351	-22.7	105	0.00	12.30-12.61
48	m	1,1,2-TRICHLOROETHANE	0.229	0.248	-8.3	105	0.00	12.46-12.82
49	I	CHLOROBENZENE-D5	1.000	1.000	0.0	85	0.00	14.55-14.86
50	m	2-HEXANONE	0.336	0.444	-32.1#	122	0.00	12.94-13.34
51	m	TETRACHLOROETHYLENE	0.456	0.520	-14.0	92	0.00	13.85-14.26
52	m	DIBROMOCHLOROMETHANE	0.629	0.815	-29.6	101	0.00	13.17-13.53
53	m	1,2-DIBROMOETHANE	0.466	0.543	-16.5	104	0.00	13.44-13.75
54	m	CHLOROBENZENE	0.692	0.789	-14.0	102	0.00	14.59-14.90
55	m	ETHYLBENZENE	1.021	1.285	-25.9	105	0.00	14.95-15.31
56	m	m,p-XYLENE	0.374	0.483	-29.1	105	0.00	15.14-15.50
57	m	o-XYLENE	0.364	0.472	-29.7	102	0.00	15.64-16.00
		----------	True	Calc.	% Drift		----------	
58	m	STYRENE	10.000	11.862	-18.6	103	0.00	15.55-15.86
		----------	AvgRF	CCRF	% Dev		----------	
59	m	NONANE	0.451	0.597	-32.4#	123	0.00	15.87-16.18
		----------	True	Calc.	% Drift		----------	
60	m	BROMOFORM	10.000	11.431	-14.3	101	0.00	15.27-15.58
		----------	AvgRF	CCRF	% Dev		----------	
61	S	4-BROMOFLUOROBENZENE	0.809	0.776	4.1	76	0.00	16.17-16.48
62	m	1,1,2,2-TETRACHLOROETH	0.593	0.683	-15.2	107	0.00	15.65-15.96
63	m	ISOPROPYLBENZENE	1.139	1.360	-19.4	96	0.00	16.31-16.62
64	m	2-CHLOROTOLUENE	0.856	1.018	-18.9	95	0.00	16.81-17.22
65	m	4-ETHYLTOLUENE	0.962	1.120	-16.4	88	0.00	17.07-17.34
66	m	1,3,5-TRIMETHYLBENZENE	0.965	1.198	-24.1	93	0.00	17.16-17.42
67	m	1,2,4-TRIMETHYLBENZENE	0.870	1.085	-24.7	94	0.00	17.60-17.91
68	m	m-DICHLOROBENZENE	0.572	0.666	-16.4	91	0.00	17.77-18.10
		----------	True	Calc.	% Drift		----------	
69	m	BENZYL CHLORIDE	10.000	12.755	-27.6	114	0.00	17.76-18.07
		----------	AvgRF	CCRF	% Dev		----------	
70	m	p-DICHLOROBENZENE	0.543	0.647	-19.2	93	0.00	17.89-18.13
71	m	o-DICHLOROBENZENE	0.533	0.637	-19.5	98	0.00	18.24-18.55

Continuing Calibration Summary

Job Number: M66801
Account: GEI GEI Consultants, Inc.
Project: GEI Tufts Street Somerville MA

Sample: MSQ225-CC223
Lab FileID: Q4234.D

```
            ----------------------- True    Calc.   % Drift  ------------
72 m   HEXACHLOROBUTADIENE     10.000   9.771      2.3   86   0.00   20.59-21.00

            ----------------------- AvgRF   CCRF     % Dev   -------------
73 m   1,2,4-TRICHLOROBENZENE   0.177   0.208    -17.5   94   0.00   20.10-20.51
74 m   NAPHTHALENE                          ----------NA----------
75     2-METHYLNAPHTHALENE                  ----------NA----------
76     1-METHYLNAPHTHALENE                  ----------NA----------
--------------------------------------------------------------------------------
--------------------------------------------------------------------------------

   (#) = Out of Range              SPCC's out = 0  CCC's out = 0
    Q4204.D    Q080707T.m       Fri Aug 10 12:31:57 2007   RPT1
```

Initial Calibration Summary

Job Number: M66801
Account: GEI GEI Consultants, Inc.
Project: GEI Tufts Street Somerville MA

Sample: MSQ229-ICC229
Lab FileID: Q4312.D

Response Factor Report MAMSQ

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: M66801
Account: GEI GEI Consultants, Inc.
Project: GEI Tufts Street Somerville MA

Sample: MSQ229-ICC229
Lab FileID: Q4312.D

```
          ----- 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: M66801
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: M66801
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: M66801
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: M66801
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: M66801
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: M66801
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: M66801
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

GC/MS Volatiles

Raw Data

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\
Data File : Q4244.D
Acq On : 9 Aug 2007 10:23 pm
Operator : danat
Sample : m66801-1 (M220)
Misc : MS14093, MSQ225,,,,,1
ALS Vial : 11 Sample Multiplier: 1

Quant Time: Aug 10 12:56:25 2007
Quant Method : C:\msdchem\1\METHODS\Q080707T.m
Quant Title : TO15 by GCMS w/DB-1 60 m X .25 mm ID 1.0 um
QLast Update : Thu Aug 09 09:41:35 2007
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) BROMOCHLOROMETHANE	8.630	128	140041	10.00	PPBV	0.00
35) 1,4-DIFLUOROBENZENE	10.456	114	577966	10.00	PPBV	0.00
49) CHLOROBENZENE-D5	14.703	117	481992	10.00	PPBV	0.00

System Monitoring Compounds

61) 4-BROMOFLUOROBENZENE	16.322	95	171174	4.39	PPBV	0.00

Spiked Amount 5.000 Range 57 - 139 Recovery = 87.80%

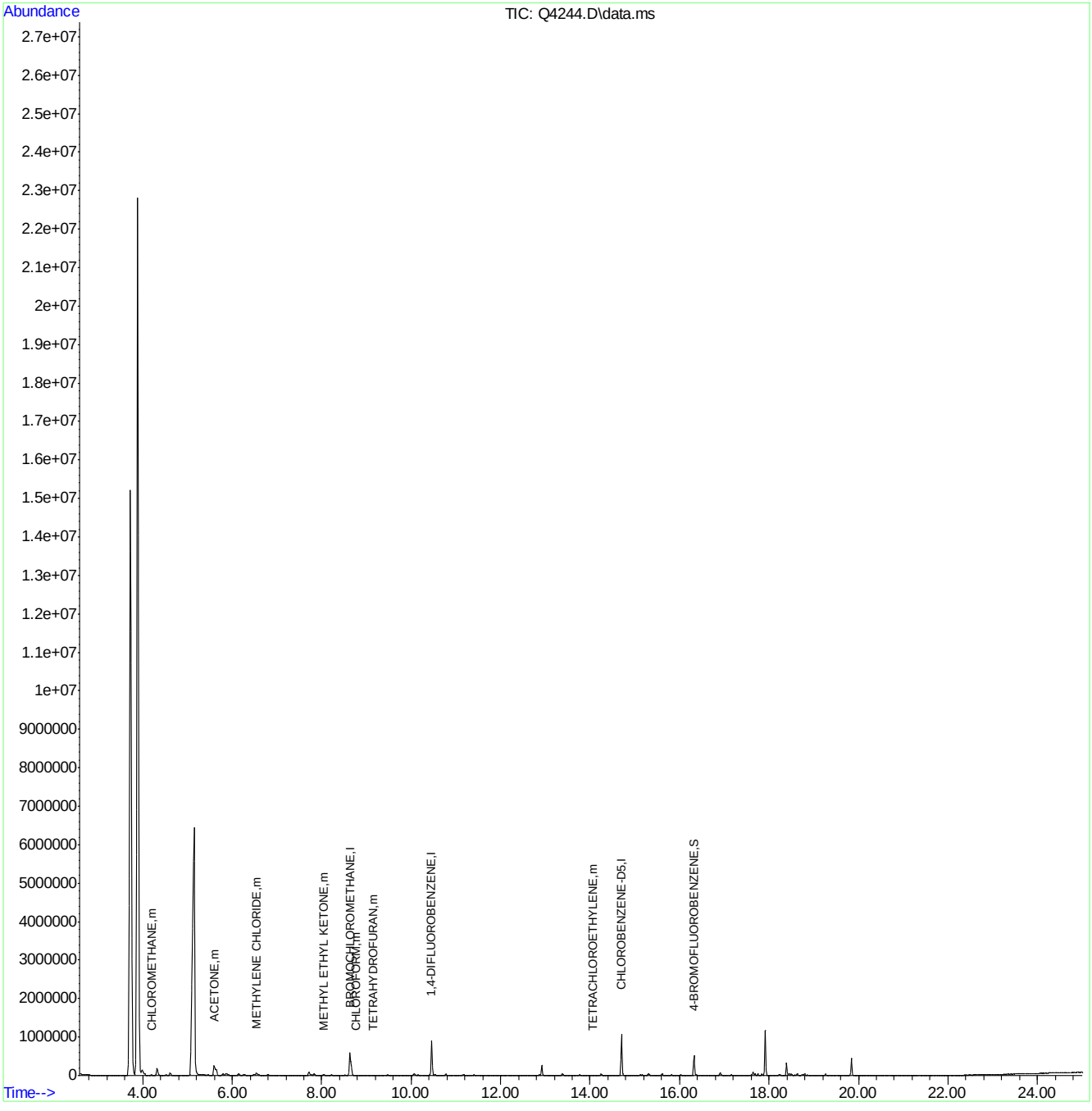
Target Compounds						Qvalue
5) CHLOROMETHANE	4.200	50	13372	0.92	PPBV	99
12) ACETONE	5.597	43	448075	20.86	PPBV	100
18) METHYLENE CHLORIDE	6.541	84	25508	0.77	PPBV	85
24) TETRAHYDROFURAN	9.152	42	3654	0.42	PPBV #	49
28) METHYL ETHYL KETONE	8.035	43	35249	1.62	PPBV	89
31) CHLOROFORM	8.751	83	4900	0.11	PPBV	97
51) TETRACHLOROETHYLENE	14.052	164	2190	0.10	PPBV #	84

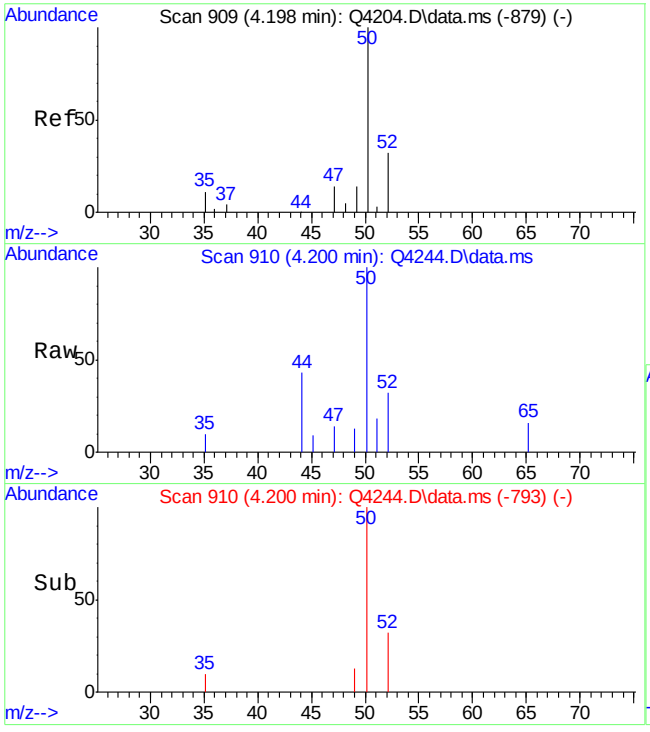
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\
Data File : Q4244.D
Acq On : 9 Aug 2007 10:23 pm
Operator : danat
Sample : m66801-1 (M220)
Misc : MS14093, MSQ225,,,,,1
ALS Vial : 11 Sample Multiplier: 1

Quant Time: Aug 10 12:56:25 2007
Quant Method : C:\msdchem\1\METHODS\Q080707T.m
Quant Title : TO15 by GCMS w/DB-1 60 m X .25 mm ID 1.0 um
QLast Update : Thu Aug 09 09:41:35 2007
Response via : Initial Calibration

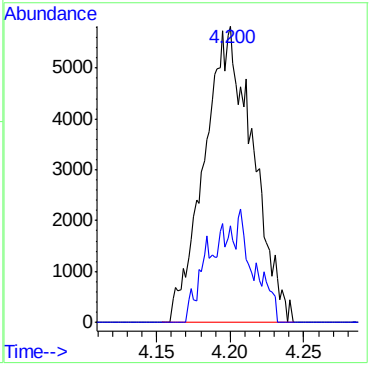


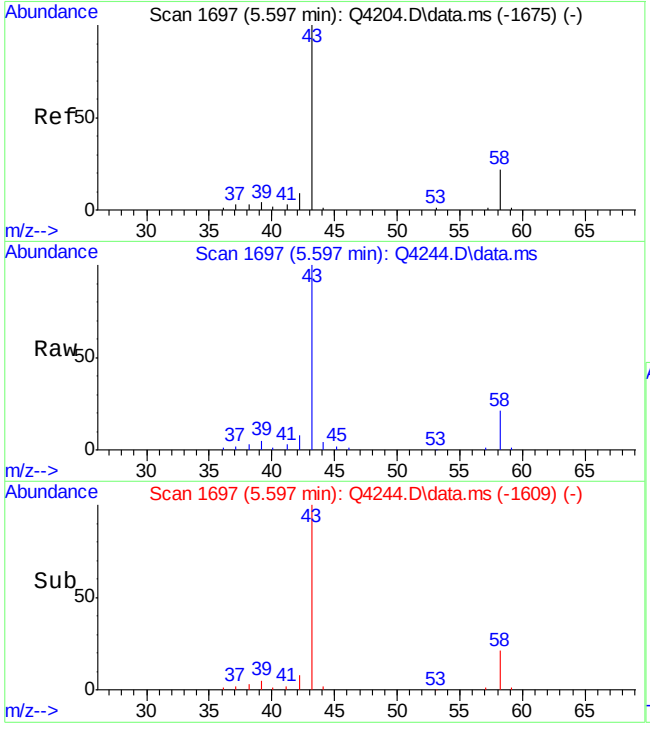


#5
CHLOROMETHANE
Concen: 0.92 PPBV
RT: 4.200 min Scan# 910
Delta R.T. 0.002 min
Lab File: Q4244.D
Acq: 9 Aug 2007 10:23 pm

Tgt Ion: 50 Resp: 13372

Ion	Ratio	Lower	Upper
50	100		
52	32.5	12.0	52.0

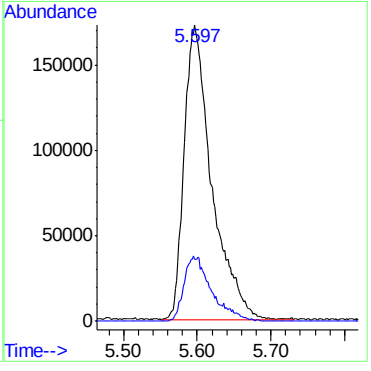


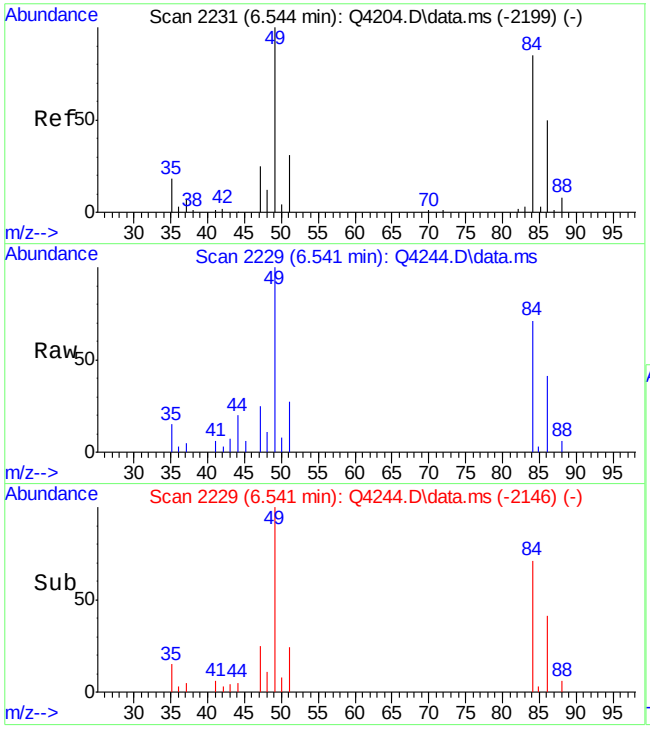


#12
ACETONE
Concen: 20.86 PPBV
RT: 5.597 min Scan# 1697
Delta R.T. 0.001 min
Lab File: Q4244.D
Acq: 9 Aug 2007 10:23 pm

Tgt Ion: 43 Resp: 448075

Ion	Ratio	Lower	Upper
43	100		
58	22.0	2.0	42.0

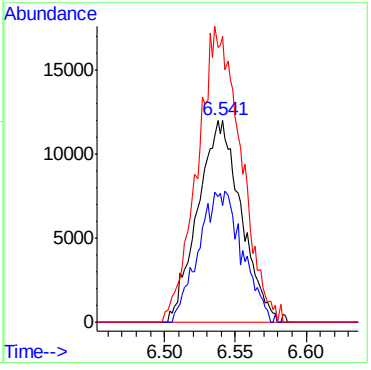


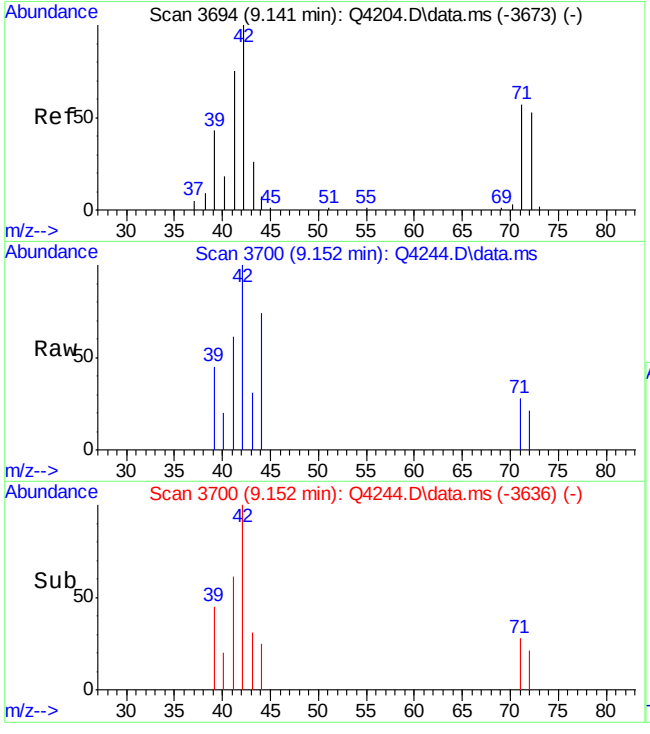


#18
METHYLENE CHLORIDE
Concen: 0.77 PPBV
RT: 6.541 min Scan# 2229
Delta R.T. -0.003 min
Lab File: Q4244.D
Acq: 9 Aug 2007 10:23 pm

Tgt Ion: 84 Resp: 25508

Ion	Ratio	Lower	Upper
84	100		
86	65.4	44.7	84.7
49	147.5	0.0	322.6

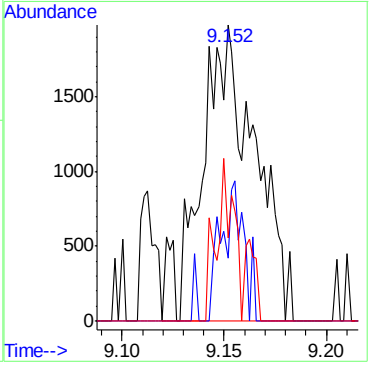


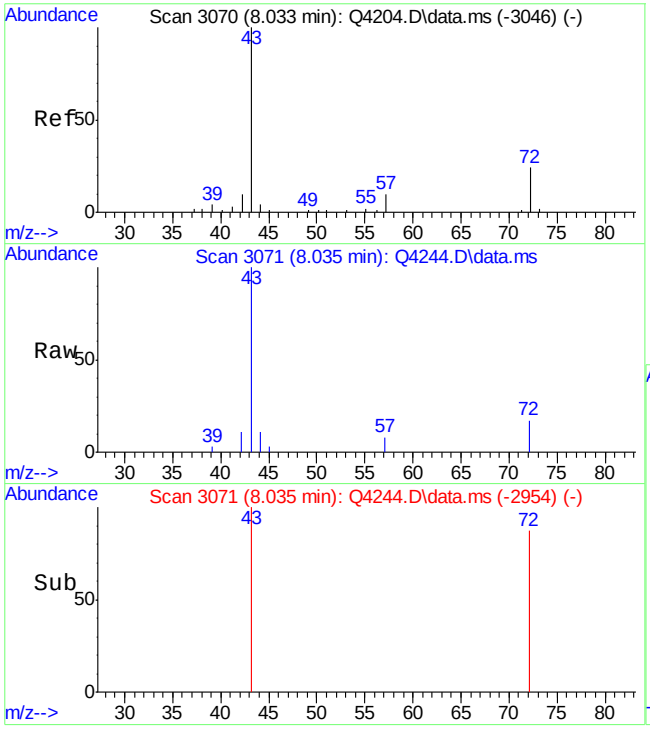


#24
TETRAHYDROFURAN
Concen: 0.42 PPBV
RT: 9.152 min Scan# 3700
Delta R.T. 0.011 min
Lab File: Q4244.D
Acq: 9 Aug 2007 10:23 pm

Tgt Ion: 42 Resp: 3654

Ion	Ratio	Lower	Upper
42	100		
72	20.0	34.4	74.4#
71	17.4	37.2	77.2#

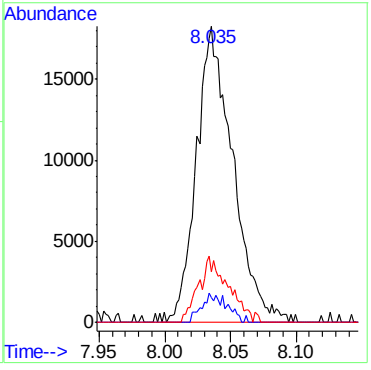


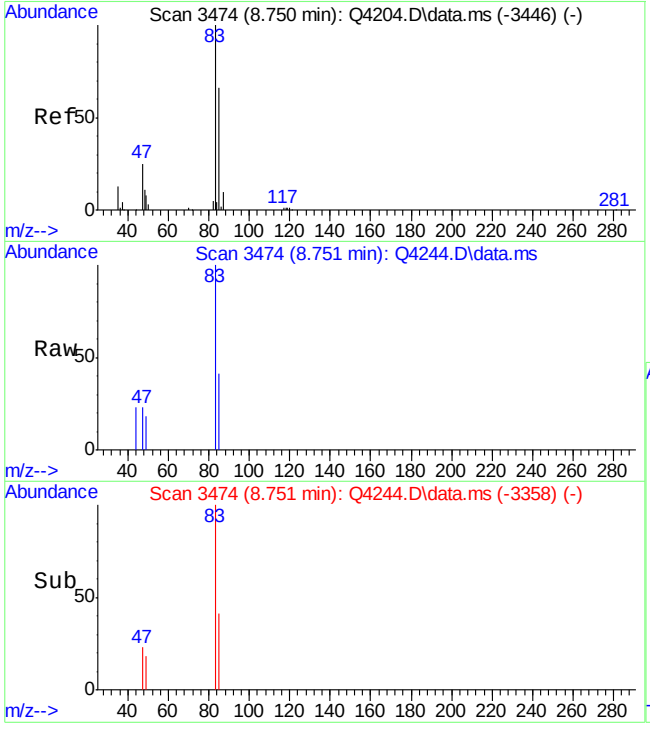


#28
METHYL ETHYL KETONE
Concen: 1.62 PPBV
RT: 8.035 min Scan# 3071
Delta R.T. 0.002 min
Lab File: Q4244.D
Acq: 9 Aug 2007 10:23 pm

Tgt Ion: 43 Resp: 35249

Ion	Ratio	Lower	Upper
43	100		
57	8.3	0.0	29.6
72	17.0	3.7	43.7

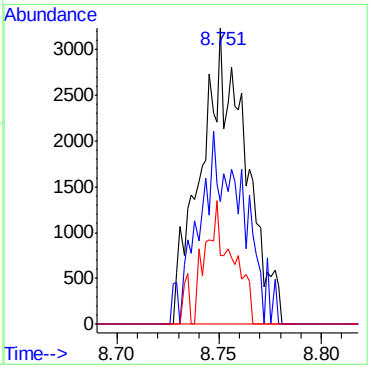




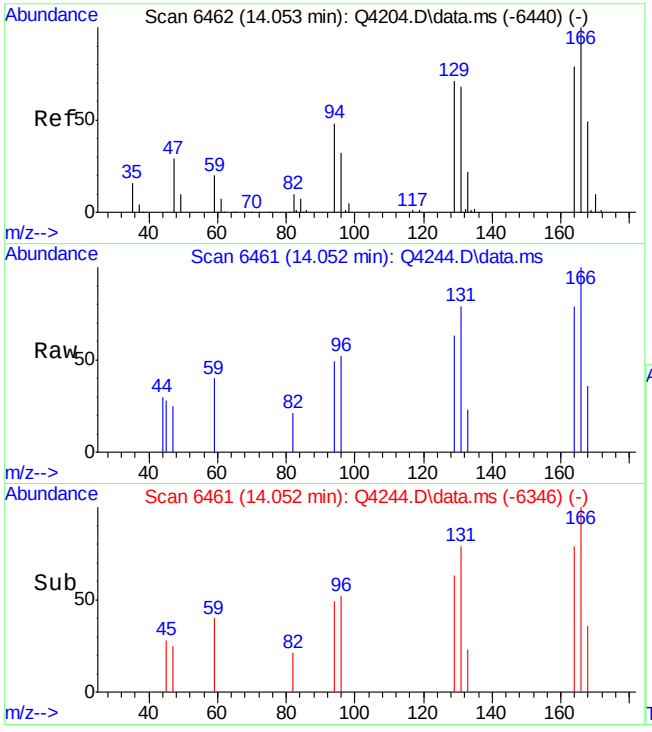
#31
CHLOROFORM
Concen: 0.11 PPBV
RT: 8.751 min Scan# 3474
Delta R.T. 0.000 min
Lab File: Q4244.D
Acq: 9 Aug 2007 10:23 pm

Tgt Ion: 83 Resp: 4900

Ion	Ratio	Lower	Upper
83	100		
85	62.6	45.4	85.4
47	26.9	5.9	45.9



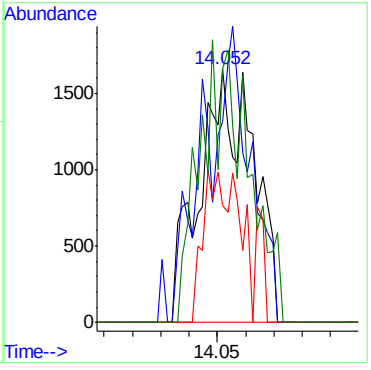
ACCUTEST Laboratories M66801



#51
TETRACHLOROETHYLENE
Concen: 0.10 PPBV
RT: 14.052 min Scan# 6461
Delta R.T. -0.002 min
Lab File: Q4244.D
Acq: 9 Aug 2007 10:23 pm

Tgt Ion:164 Resp: 2190

Ion	Ratio	Lower	Upper
164	100		
129	103.1	71.2	111.2
168	40.2	42.6	82.6#
131	99.0	69.2	109.2



Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\
Data File : Q4326.D
Acq On : 17 Aug 2007 3:27 pm
Operator : danat
Sample : m66801-1cf (M220)
Misc : MS14093, MSQ229,,,,,1
ALS Vial : 13 Sample Multiplier: 1

Quant Time: Aug 20 11:03:29 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	279264	10.00	PPBV	0.00
35) 1,4-DIFLUOROBENZENE	10.458	114	1237358	10.00	PPBV	0.00
49) CHLOROBENZENE-D5	14.701	117	947008	10.00	PPBV	0.00

System Monitoring Compounds

61) 4-BROMOFLUOROBENZENE	16.323	95	260206	4.23	PPBV	0.00

Spiked Amount 5.000 Range 57 - 139 Recovery = 84.60%

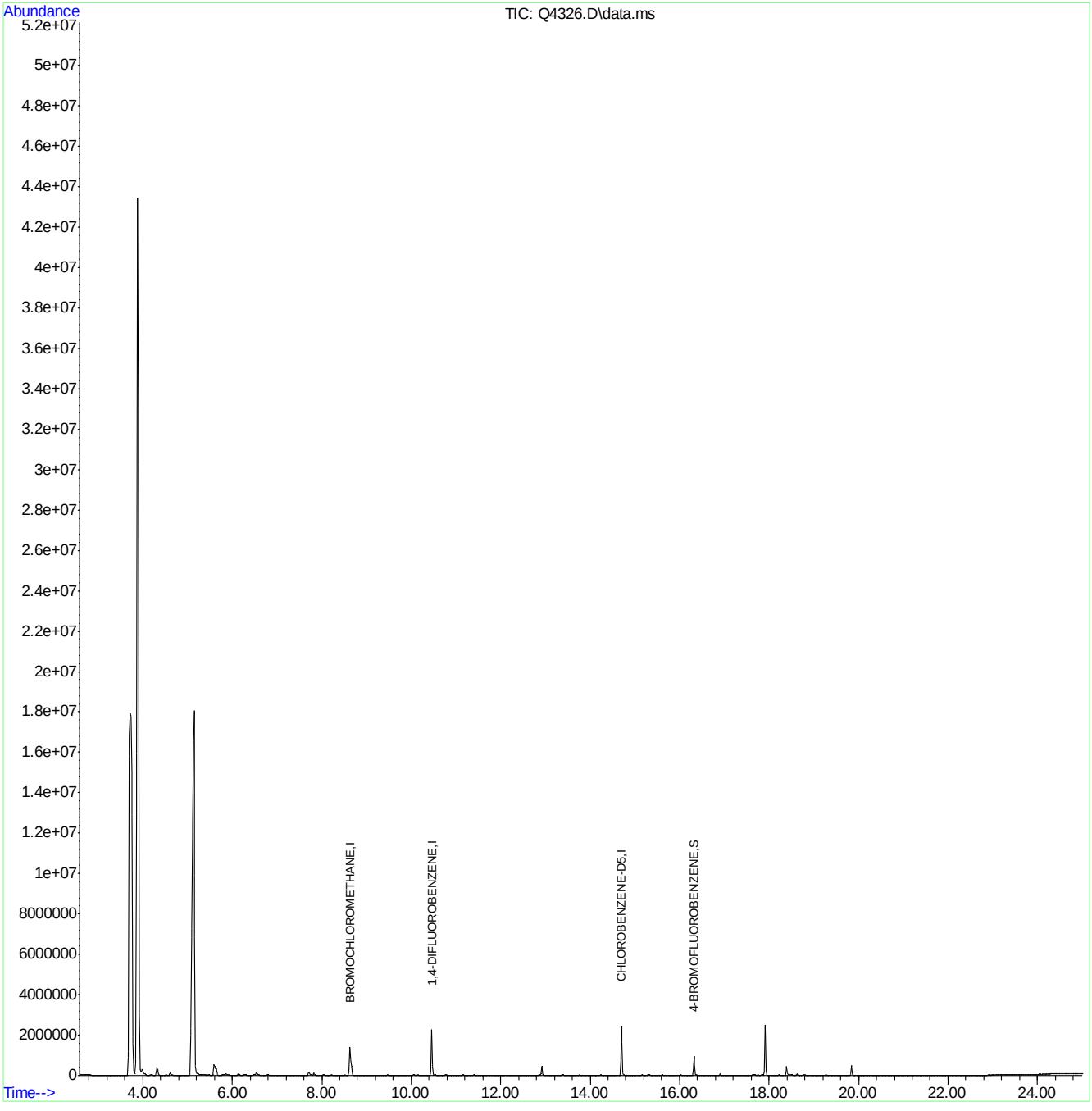
Target Compounds Qvalue

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

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\
Data File : Q4326.D
Acq On : 17 Aug 2007 3:27 pm
Operator : danat
Sample : m66801-1cf (M220)
Misc : MS14093, MSQ229,,,,,1
ALS Vial : 13 Sample Multiplier: 1

Quant Time: Aug 20 11:03:29 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 : Q4245.D
Acq On : 9 Aug 2007 11:06 pm
Operator : danat
Sample : m66801-2 (M004)
Misc : MS14093, MSQ225,,,,,1
ALS Vial : 12 Sample Multiplier: 1

Quant Time: Aug 10 12:58:05 2007
Quant Method : C:\msdchem\1\METHODS\Q080707T.m
Quant Title : TO15 by GCMS w/DB-1 60 m X .25 mm ID 1.0 um
QLast Update : Thu Aug 09 09:41:35 2007
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) BROMOCHLOROMETHANE	8.630	128	124120	10.00	PPBV	0.00
35) 1,4-DIFLUOROBENZENE	10.460	114	531477	10.00	PPBV	0.00
49) CHLOROBENZENE-D5	14.701	117	461302	10.00	PPBV	0.00

System Monitoring Compounds

61) 4-BROMOFLUOROBENZENE	16.323	95	181633	4.87	PPBV	0.00

Spiked Amount 5.000 Range 57 - 139 Recovery = 97.40%

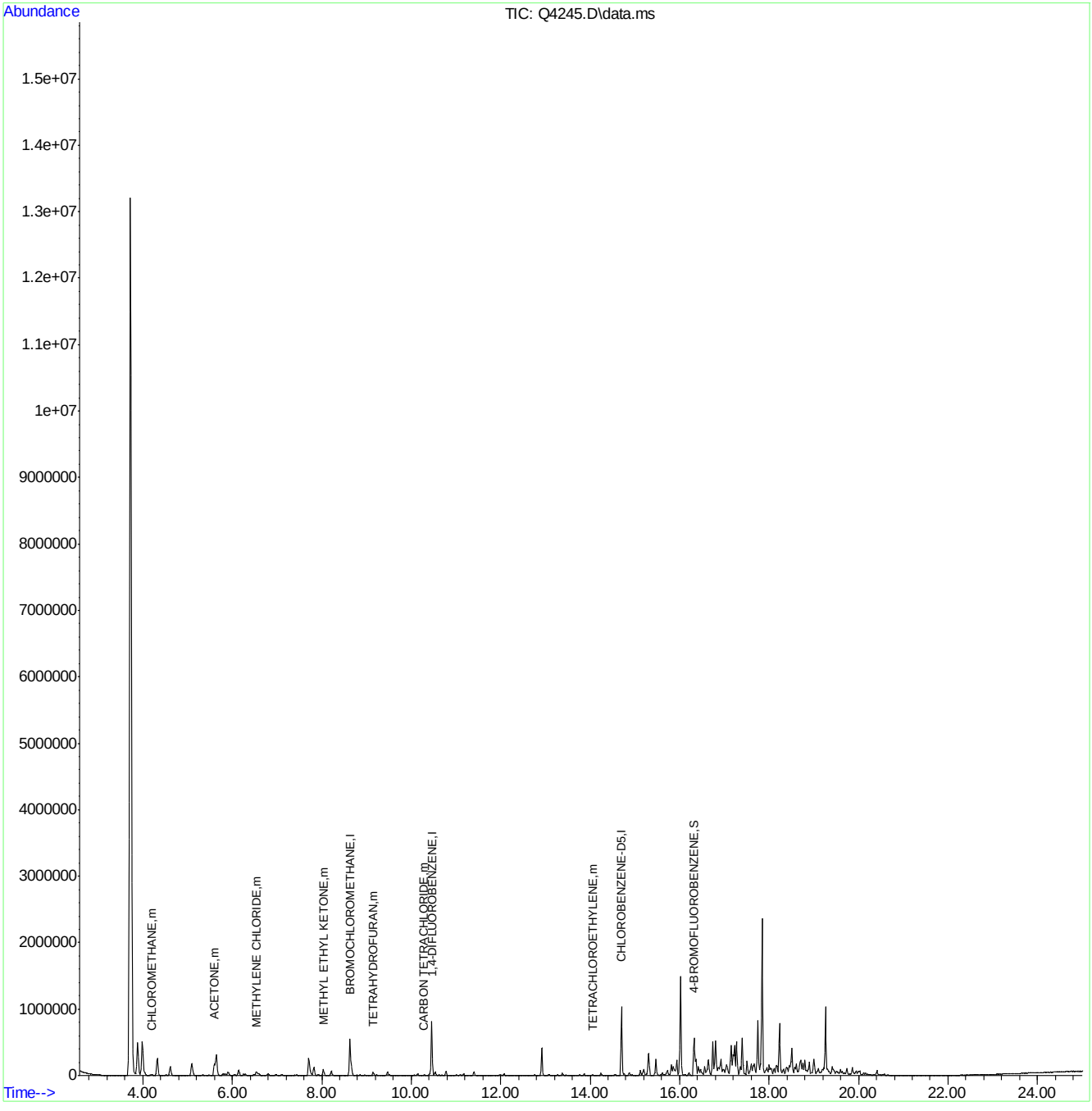
Target Compounds						Qvalue
5) CHLOROMETHANE	4.196	50	11916	0.92	PPBV	94
12) ACETONE	5.598	43	401223	21.06	PPBV	90
18) METHYLENE CHLORIDE	6.537	84	25048	0.94	PPBV	87
24) TETRAHYDROFURAN	9.144	42	30563	3.99	PPBV	76
28) METHYL ETHYL KETONE	8.033	43	120958	6.29	PPBV	96
33) CARBON TETRACHLORIDE	10.293	117	5393	0.11	PPBV	94
51) TETRACHLOROETHYLENE	14.059	164	1992	0.09	PPBV #	76

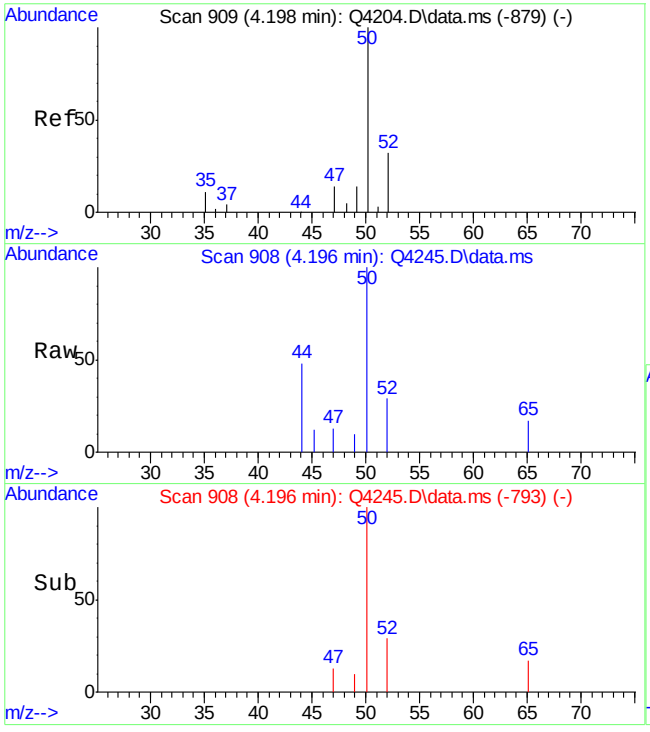
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\
Data File : Q4245.D
Acq On : 9 Aug 2007 11:06 pm
Operator : danat
Sample : m66801-2 (M004)
Misc : MS14093, MSQ225,,,,,1
ALS Vial : 12 Sample Multiplier: 1

Quant Time: Aug 10 12:58:05 2007
Quant Method : C:\msdchem\1\METHODS\Q080707T.m
Quant Title : TO15 by GCMS w/DB-1 60 m X .25 mm ID 1.0 um
QLast Update : Thu Aug 09 09:41:35 2007
Response via : Initial Calibration

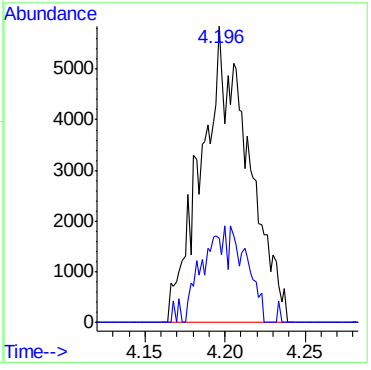


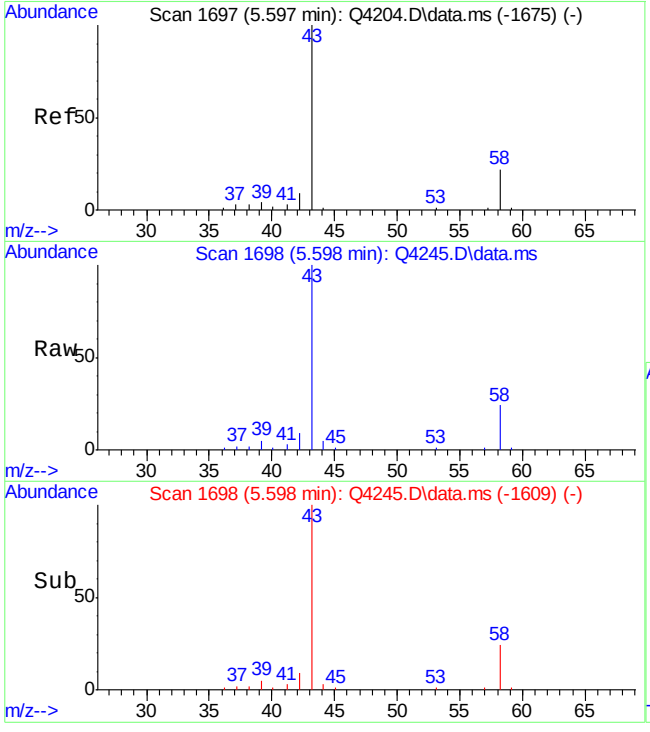


#5
CHLOROMETHANE
Concen: 0.92 PPBV
RT: 4.196 min Scan# 908
Delta R.T. -0.002 min
Lab File: Q4245.D
Acq: 9 Aug 2007 11:06 pm

Tgt Ion: 50 Resp: 11916

Ion	Ratio	Lower	Upper
50	100		
52	28.6	12.0	52.0

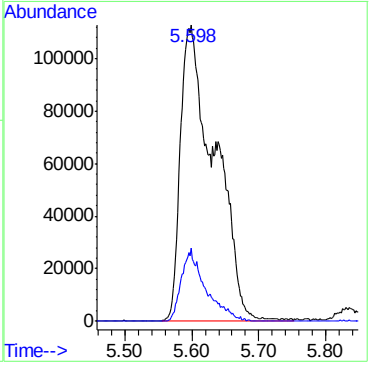


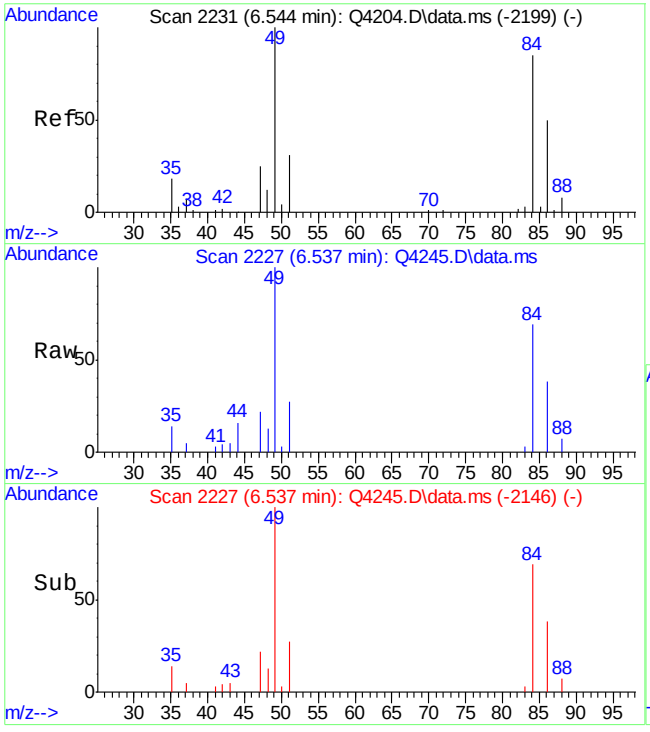


#12
ACETONE
Concen: 21.06 PPBV
RT: 5.598 min Scan# 1698
Delta R.T. 0.002 min
Lab File: Q4245.D
Acq: 9 Aug 2007 11:06 pm

Tgt Ion: 43 Resp: 401223

Ion	Ratio	Lower	Upper
43	100		
58	17.1	2.0	42.0

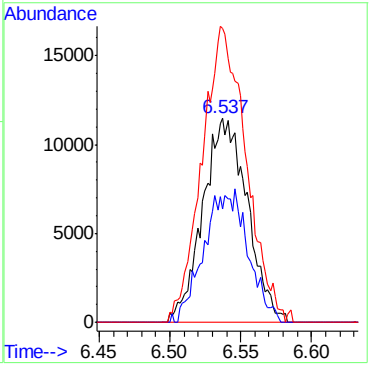


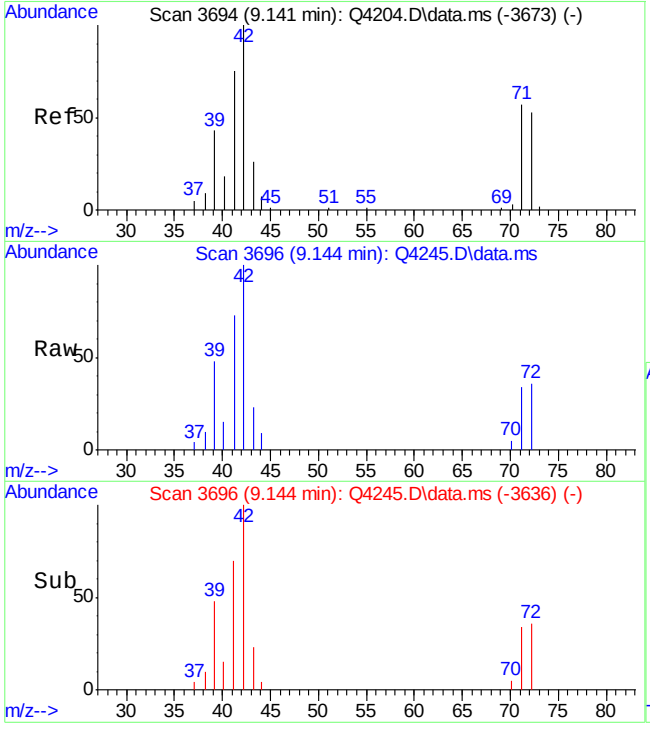


#18
METHYLENE CHLORIDE
Concen: 0.94 PPBV
RT: 6.537 min Scan# 2227
Delta R.T. -0.007 min
Lab File: Q4245.D
Acq: 9 Aug 2007 11:06 pm

Tgt Ion: 84 Resp: 25048

Ion	Ratio	Lower	Upper
84	100		
86	64.0	44.7	84.7
49	144.2	0.0	322.6

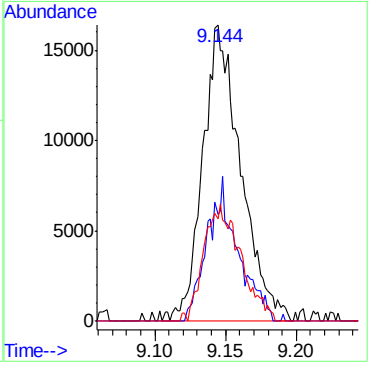


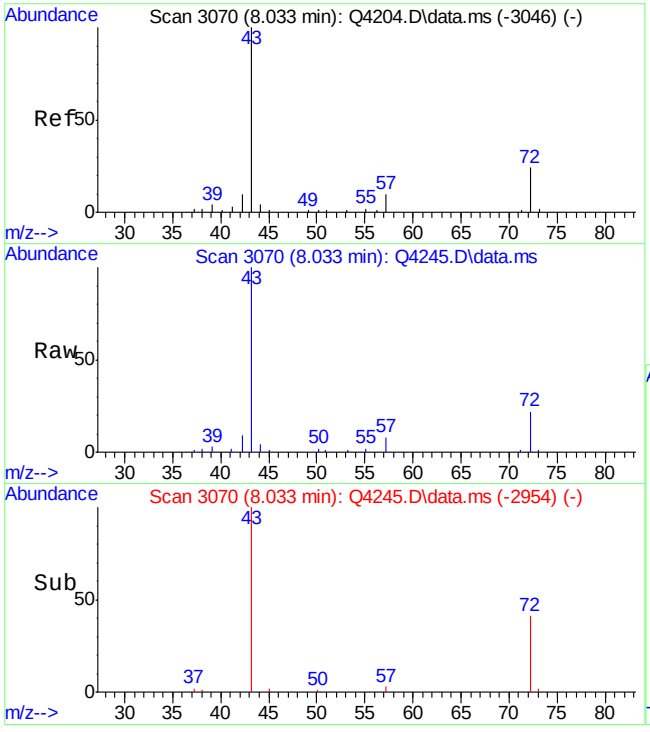


#24
TETRAHYDROFURAN
Concen: 3.99 PPBV
RT: 9.144 min Scan# 3696
Delta R.T. 0.003 min
Lab File: Q4245.D
Acq: 9 Aug 2007 11:06 pm

Tgt Ion: 42 Resp: 30563

Ion	Ratio	Lower	Upper
42	100		
72	38.8	34.4	74.4
71	38.3	37.2	77.2

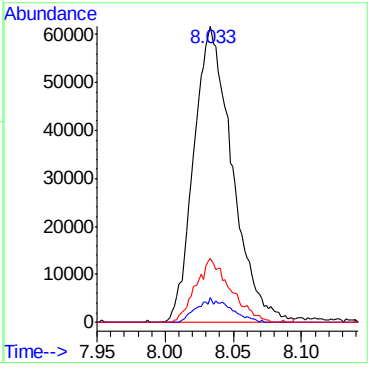


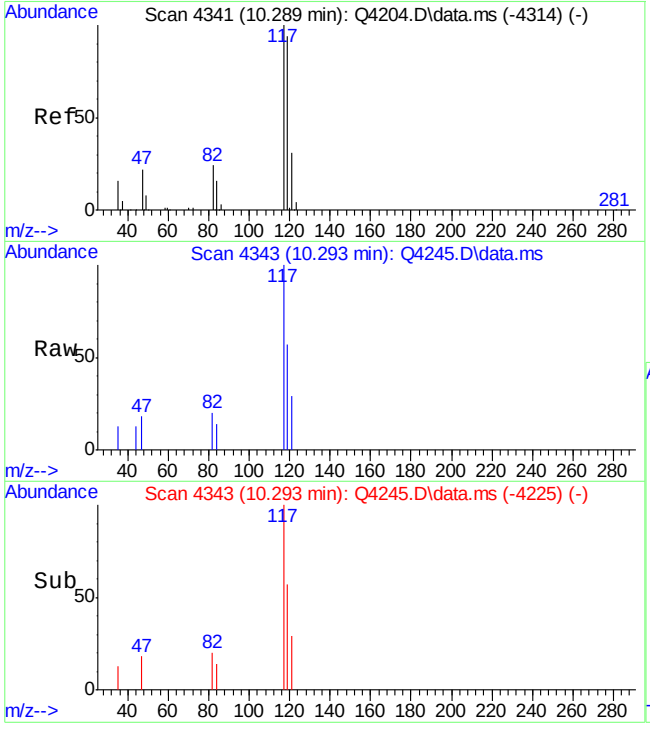


#28
METHYL ETHYL KETONE
Concen: 6.29 PPBV
RT: 8.033 min Scan# 3070
Delta R.T. -0.000 min
Lab File: Q4245.D
Acq: 9 Aug 2007 11:06 pm

Tgt Ion: 43 Resp: 120958

Ion	Ratio	Lower	Upper
43	100		
57	8.4	0.0	29.6
72	21.8	3.7	43.7

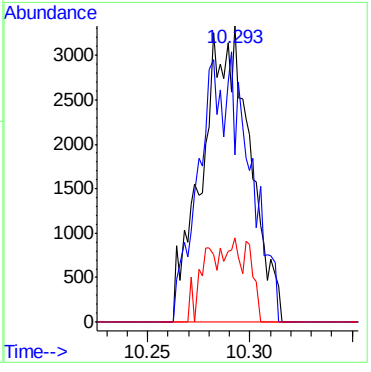


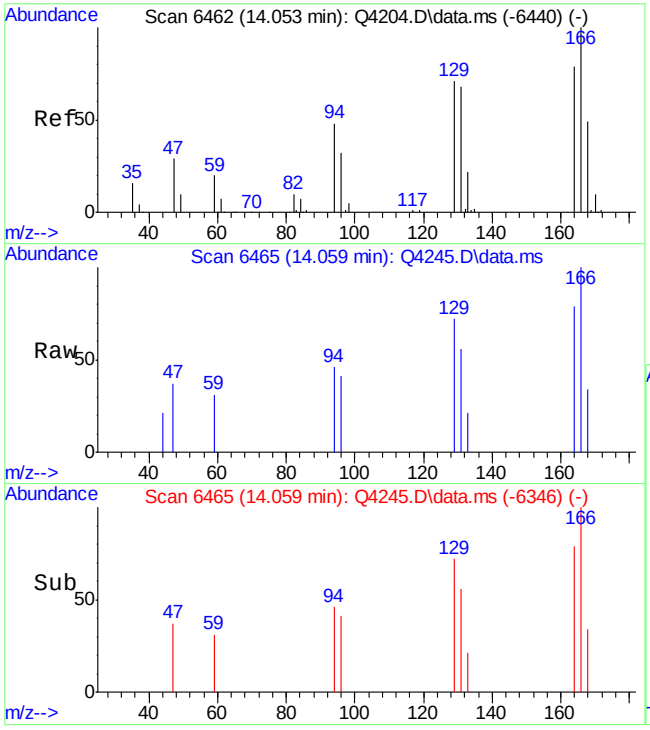


#33
CARBON TETRACHLORIDE
Concen: 0.11 PPBV
RT: 10.293 min Scan# 4343
Delta R.T. 0.003 min
Lab File: Q4245.D
Acq: 9 Aug 2007 11:06 pm

Tgt Ion:117 Resp: 5393

Ion	Ratio	Lower	Upper
117	100		
119	93.3	77.2	117.2
121	25.1	11.4	51.4

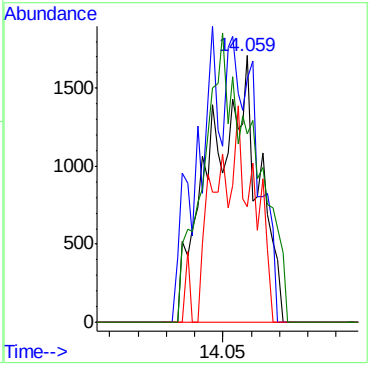




#51
TETRACHLOROETHYLENE
Concen: 0.09 PPBV
RT: 14.059 min Scan# 6465
Delta R.T. 0.005 min
Lab File: Q4245.D
Acq: 9 Aug 2007 11:06 pm

Tgt Ion:164 Resp: 1992

Ion	Ratio	Lower	Upper
164	100		
129	124.5	71.2	111.2#
168	65.1	42.6	82.6
131	115.8	69.2	109.2#



Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\
Data File : Q4236.D
Acq On : 9 Aug 2007 4:38 pm
Operator : danat
Sample : mb (M078)
Misc : MS14080, MSQ225,,,,,1
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Aug 10 12:34:49 2007
Quant Method : C:\msdchem\1\METHODS\Q080707T.m
Quant Title : TO15 by GCMS w/DB-1 60 m X .25 mm ID 1.0 um
QLast Update : Thu Aug 09 09:41:35 2007
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) BROMOCHLOROMETHANE	8.632	128	109635	10.00	PPBV	0.00
35) 1,4-DIFLUOROBENZENE	10.456	114	472410	10.00	PPBV	0.00
49) CHLOROBENZENE-D5	14.700	117	380779	10.00	PPBV	0.00

System Monitoring Compounds

61) 4-BROMOFLUOROBENZENE	16.323	95	130879	4.25	PPBV	0.00

Spiked Amount 5.000 Range 57 - 139 Recovery = 85.00%

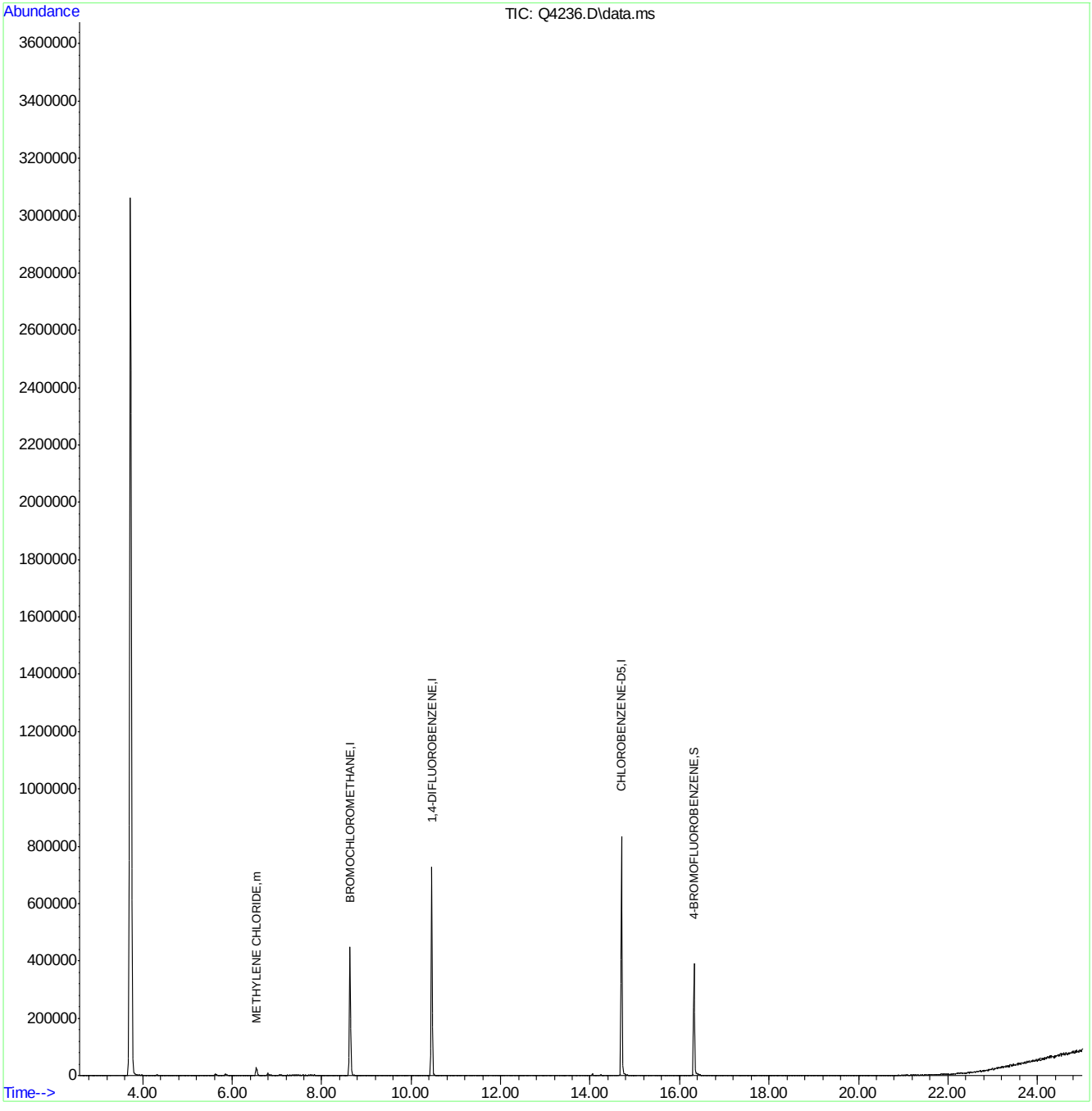
Target Compounds						Qvalue
18) METHYLENE CHLORIDE	6.541	84	13650	0.30	PPBV	93

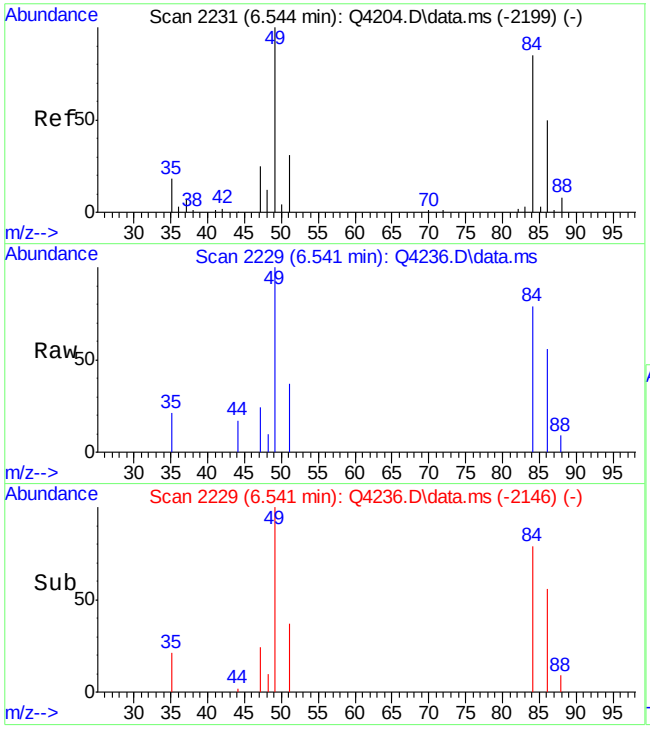
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\
Data File : Q4236.D
Acq On : 9 Aug 2007 4:38 pm
Operator : danat
Sample : mb (M078)
Misc : MS14080, MSQ225,,,,,1
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Aug 10 12:34:49 2007
Quant Method : C:\msdchem\1\METHODS\Q080707T.m
Quant Title : TO15 by GCMS w/DB-1 60 m X .25 mm ID 1.0 um
QLast Update : Thu Aug 09 09:41:35 2007
Response via : Initial Calibration

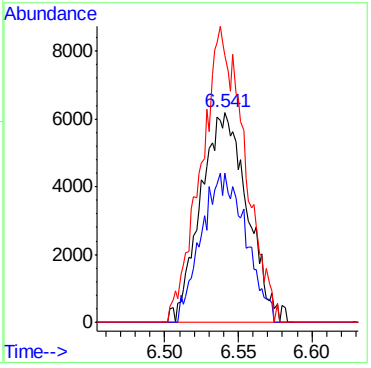




#18
METHYLENE CHLORIDE
Concen: 0.30 PPBV
RT: 6.541 min Scan# 2229
Delta R.T. -0.003 min
Lab File: Q4236.D
Acq: 9 Aug 2007 4:38 pm

Tgt Ion: 84 Resp: 13650

Ion	Ratio	Lower	Upper
84	100		
86	67.2	44.7	84.7
49	131.9	0.0	322.6



6.2.1

6

Quantitation Report (QT Reviewed)

Data Path : C:\MSDCHEM\1\DATA\
Data File : J10870.D
Acq On : 5 Jul 2007 7:53 pm
Operator : danat
Sample : mb (M208)
Misc : MS13866, MSJ562,,,,,1
ALS Vial : 4 Sample Multiplier: 1

Quant Time: Jul 06 11:52:28 2007
Quant Method : C:\MSDCHEM\1\METHODS\J070507T.M
Quant Title : TO15 by GCMS w/DB-1 60 m X .25 mm ID 1.0 um
QLast Update : Thu Jul 05 17:30:53 2007
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) BROMOCHLOROMETHANE	8.61	128	294344	10.00	PPBV	0.00
35) 1,4-DIFLUOROBENZENE	10.42	114	1133134	10.00	PPBV	-0.01
49) CHLOROBENZENE-D5	14.66	117	969402	10.00	PPBV	-0.01

System Monitoring Compounds

61) 4-BROMOFLUOROBENZENE	16.28	95	268497	4.51	PPBV	-0.02

Spiked Amount 5.000 Range 51 - 142 Recovery = 90.20%

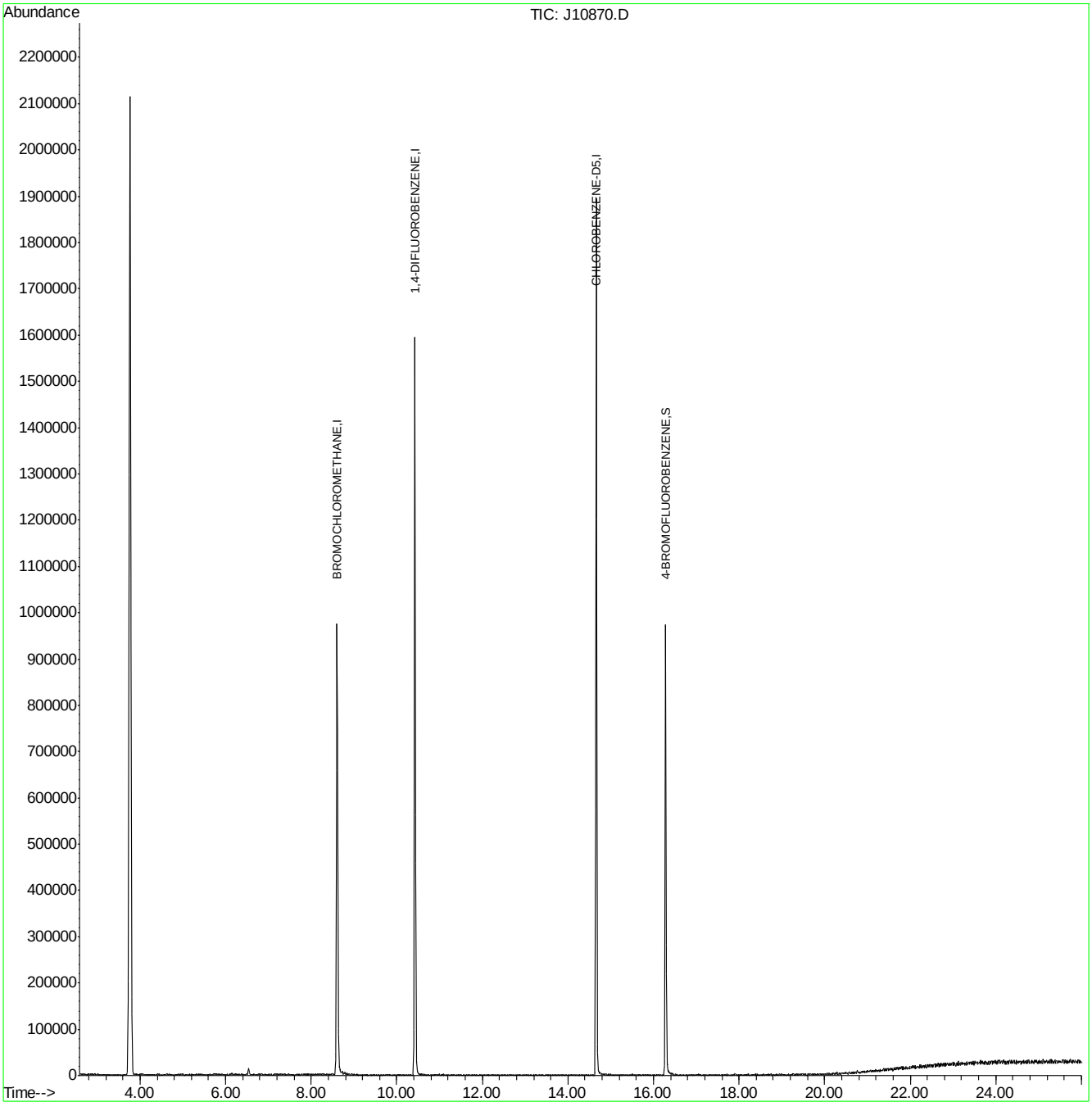
Target Compounds Qvalue

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

Quantitation Report (QT Reviewed)

Data Path : C:\MSDCHEM\1\DATA\
Data File : J10870.D
Acq On : 5 Jul 2007 7:53 pm
Operator : danat
Sample : mb (M208)
Misc : MS13866, MSJ562,,,,,1
ALS Vial : 4 Sample Multiplier: 1

Quant Time: Jul 06 11:52:28 2007
Quant Method : C:\MSDCHEM\1\METHODS\J070507T.M
Quant Title : TO15 by GCMS w/DB-1 60 m X .25 mm ID 1.0 um
QLast Update : Thu Jul 05 17:30:53 2007
Response via : Initial Calibration



J070507T.M Fri Jul 06 11:52:37 2007 Page: 2

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\
Data File : Q3986.D
Acq On : 17 Jul 2007 10:09 am
Operator : danat
Sample : mb (M063)
Misc : MS13893, MSQ214,,,,,1
ALS Vial : 4 Sample Multiplier: 1

Quant Time: Jul 17 14:09:45 2007
Quant Method : C:\msdchem\1\METHODS\Q071607T.m
Quant Title : TO15 by GCMS w/DB-1 60 m X .25 mm ID 1.0 um
QLast Update : Tue Jul 17 08:27:00 2007
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) BROMOCHLOROMETHANE	8.633	128	220566	10.00	PPBV	0.00
35) 1,4-DIFLUOROBENZENE	10.460	114	986337	10.00	PPBV	0.00
49) CHLOROBENZENE-D5	14.705	117	863843	10.00	PPBV	0.00

System Monitoring Compounds

61) 4-BROMOFLUOROBENZENE	16.325	95	289018	4.56	PPBV	0.00

Spiked Amount 5.000 Range 57 - 139 Recovery = 91.20%

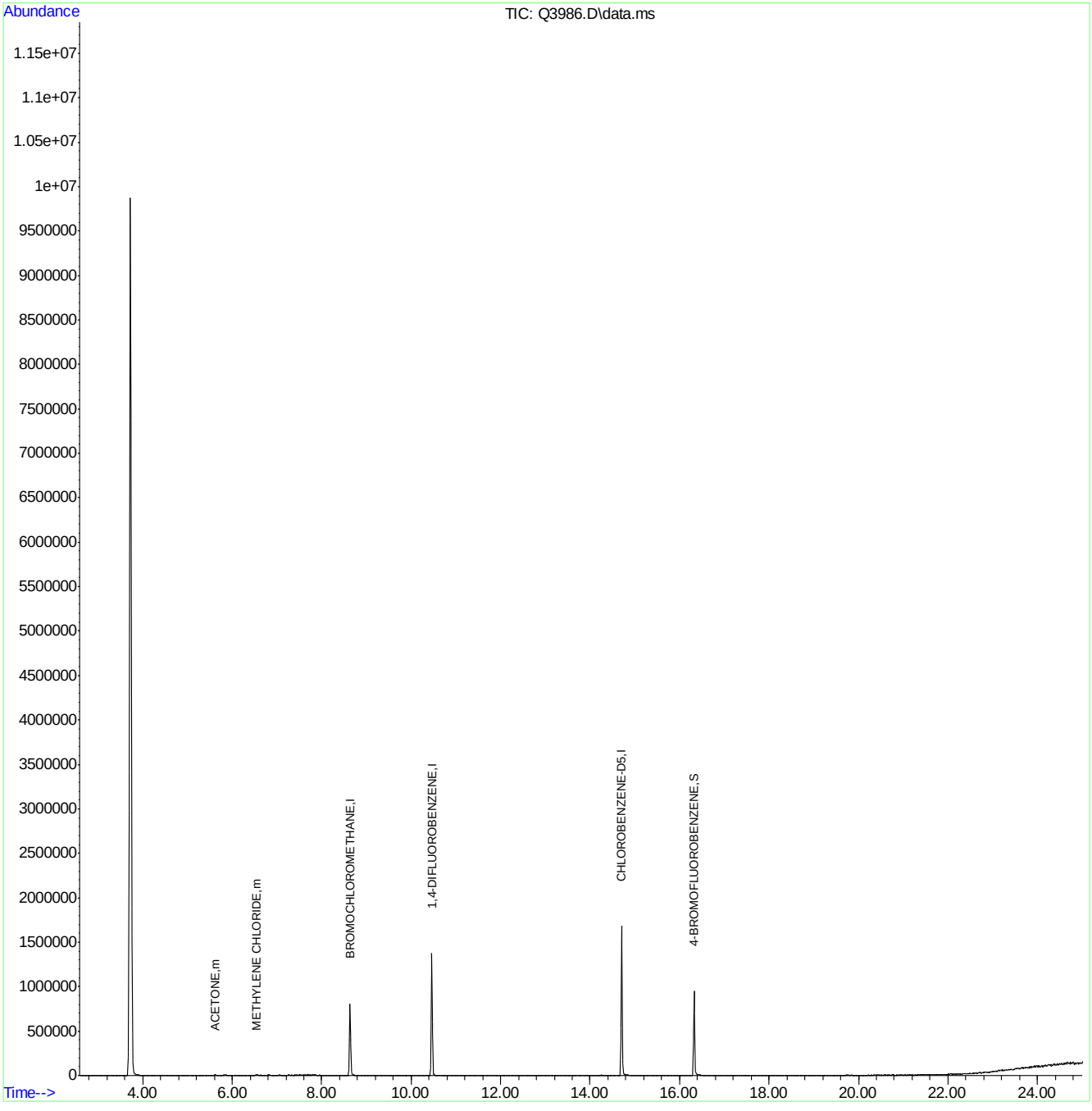
Target Compounds						Qvalue
12) ACETONE	5.620	43	7736	0.42	PPBV	95
18) METHYLENE CHLORIDE	6.539	84	2404	0.34	PPBV #	75

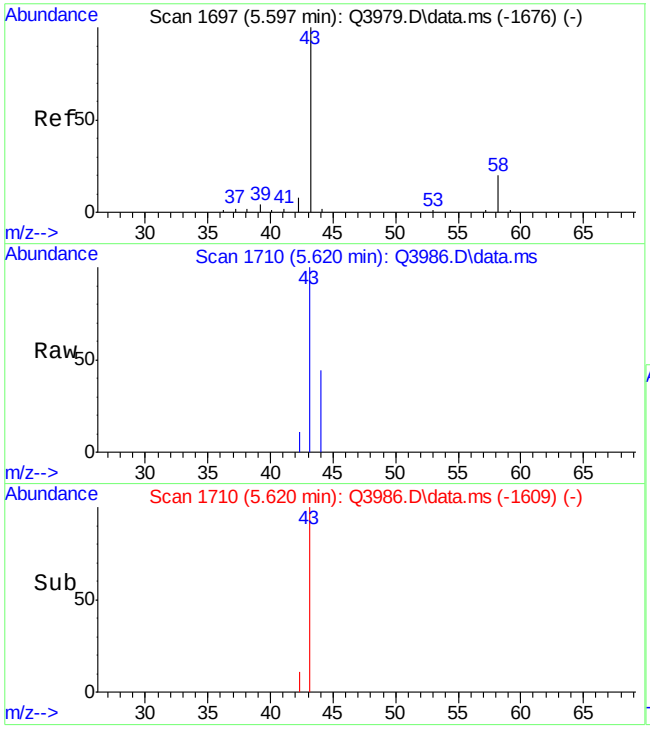
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\
Data File : Q3986.D
Acq On : 17 Jul 2007 10:09 am
Operator : danat
Sample : mb (M063)
Misc : MS13893, MSQ214,,,,,1
ALS Vial : 4 Sample Multiplier: 1

Quant Time: Jul 17 14:09:45 2007
Quant Method : C:\msdchem\1\METHODS\Q071607T.m
Quant Title : TO15 by GCMS w/DB-1 60 m X .25 mm ID 1.0 um
QLast Update : Tue Jul 17 08:27:00 2007
Response via : Initial Calibration

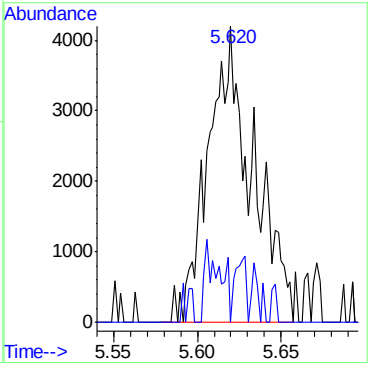


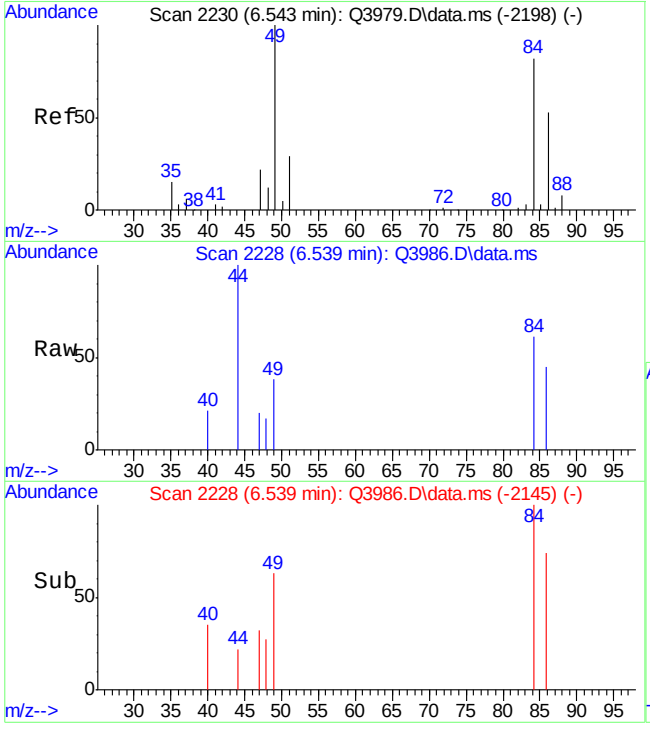


#12
ACETONE
Concen: 0.42 PPBV
RT: 5.620 min Scan# 1710
Delta R.T. 0.024 min
Lab File: Q3986.D
Acq: 17 Jul 2007 10:09 am

Tgt Ion: 43 Resp: 7736

Ion	Ratio	Lower	Upper
43	100		
58	21.5	4.0	44.0

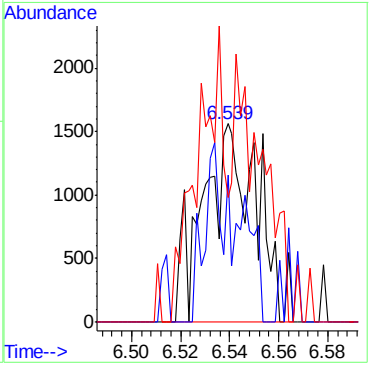




#18
METHYLENE CHLORIDE
Concen: 0.34 PPBV
RT: 6.539 min Scan# 2228
Delta R.T. -0.003 min
Lab File: Q3986.D
Acq: 17 Jul 2007 10:09 am

Tgt Ion: 84 Resp: 2404

Ion	Ratio	Lower	Upper
84	100		
86	33.2	45.0	85.0#
49	146.8	0.0	327.5



Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\
Data File : Q4234A.D
Acq On : 9 Aug 2007 2:36 pm
Operator : danat
Sample : BS (M164)
Misc : MS14080, MSQ225,,,,,1
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Aug 09 16:54:17 2007
Quant Method : C:\msdchem\1\METHODS\Q080707T.m
Quant Title : TO15 by GCMS w/DB-1 60 m X .25 mm ID 1.0 um
QLast Update : Thu Aug 09 09:41:35 2007
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) BROMOCHLOROMETHANE	8.626	128	90887	10.00	PPBV	0.00
35) 1,4-DIFLUOROBENZENE	10.458	114	432071	10.00	PPBV	0.00
49) CHLOROBENZENE-D5	14.701	117	379287	10.00	PPBV	0.00

System Monitoring Compounds

61) 4-BROMOFLUOROBENZENE	16.322	95	147090	4.80	PPBV	0.00

Spiked Amount 5.000 Range 57 - 139 Recovery = 96.00%

Target Compounds						Qvalue
2) DICHLORODIFLUOROMETHANE	4.037	85	535327	10.36	PPBV	99
3) PROPYLENE	3.962	41	57021	9.25	PPBV	90
4) FREON 114	4.296	85	410552	9.36	PPBV	96
5) CHLOROMETHANE	4.193	50	74507	7.86	PPBV	98
6) VINYL CHLORIDE	4.418	62	97757	8.26	PPBV	100
7) 1,3-BUTADIENE	4.559	39	85491	9.61	PPBV	91
8) BROMOMETHANE	4.832	94	121359	8.94	PPBV	99
9) CHLOROETHANE	5.008	64	44756	9.39	PPBV	95
10) TRICHLOROFLUOROMETHANE	5.789	101	551118	10.98	PPBV	100
11) ISOPROPYL ALCOHOL	5.820	45	151713	11.25	PPBV	93
12) ACETONE	5.597	43	150095	11.07	PPBV	96
13) PENTANE	6.140	42	93761	8.90	PPBV	98
14) 1,1-DICHLOROETHYLENE	6.424	96	126997	9.36	PPBV	90
15) CARBON DISULFIDE	6.853	76	349754	9.57	PPBV	93
16) ETHANOL	5.096	45	21349	10.13	PPBV	99
17) BROMOETHENE	5.363	106	125740	9.77	PPBV #	97
18) METHYLENE CHLORIDE	6.534	84	116614	9.91	PPBV	95
19) 3-CHLOROPROPENE	6.656	39	134956	12.19	PPBV	92
20) FREON 113	6.797	151	277826	10.40	PPBV	98
21) TRANS-1,2-DICHLOROETHY...	7.462	96	130884	10.15	PPBV	97
22) TERTIARY BUTYL ALCOHOL	6.426	59	241965	12.23	PPBV	95
23) METHYL TERTIARY BUTYL ...	7.704	73	305048	11.97	PPBV	97
24) TETRAHYDROFURAN	9.136	42	71752	12.79	PPBV	89
25) HEXANE	8.665	57	139531	12.24	PPBV	96
26) VINYL ACETATE	7.787	43	201765	11.72	PPBV	98
27) 1,1-DICHLOROETHANE	7.659	63	248693	10.53	PPBV	99
28) METHYL ETHYL KETONE	8.025	43	164521	11.68	PPBV	94
29) cis-1,2-DICHLOROETHYLENE	8.467	96	118014	11.43	PPBV	92
30) ETHYL ACETATE	8.660	43	277930	10.76	PPBV	99
31) CHLOROFORM	8.749	83	343691	11.49	PPBV	97
32) 1,1,1-TRICHLOROETHANE	9.702	97	390810	12.42	PPBV	99
33) CARBON TETRACHLORIDE	10.288	117	451139	12.35	PPBV	100
34) 1,2-DICHLOROETHANE	9.459	62	226412	12.13	PPBV	99
36) BENZENE	10.144	78	304017	10.90	PPBV	98
37) CYCLOHEXANE	10.406	84	127461	10.18	PPBV	88
38) TRICHLOROETHYLENE	11.145	95	194369	11.35	PPBV	94
39) 1,2-DICHLOROPROPANE	10.918	63	91471	10.22	PPBV	99
40) BROMODICHLOROMETHANE	11.100	83	323351	11.61	PPBV	99
41) 2,2,4-TRIMETHYLPENTANE	11.166	57	506448	11.92	PPBV	99
42) 1,4-DIOXANE	11.129	88	53562	10.66	PPBV	89
43) HEPTANE	11.404	43	160879	11.63	PPBV	96

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\
Data File : Q4234A.D
Acq On : 9 Aug 2007 2:36 pm
Operator : danat
Sample : BS (M164)
Misc : MS14080, MSQ225,,,,,1
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Aug 09 16:54:17 2007
Quant Method : C:\msdchem\1\METHODS\Q080707T.m
Quant Title : TO15 by GCMS w/DB-1 60 m X .25 mm ID 1.0 um
QLast Update : Thu Aug 09 09:41:35 2007
Response via : Initial Calibration

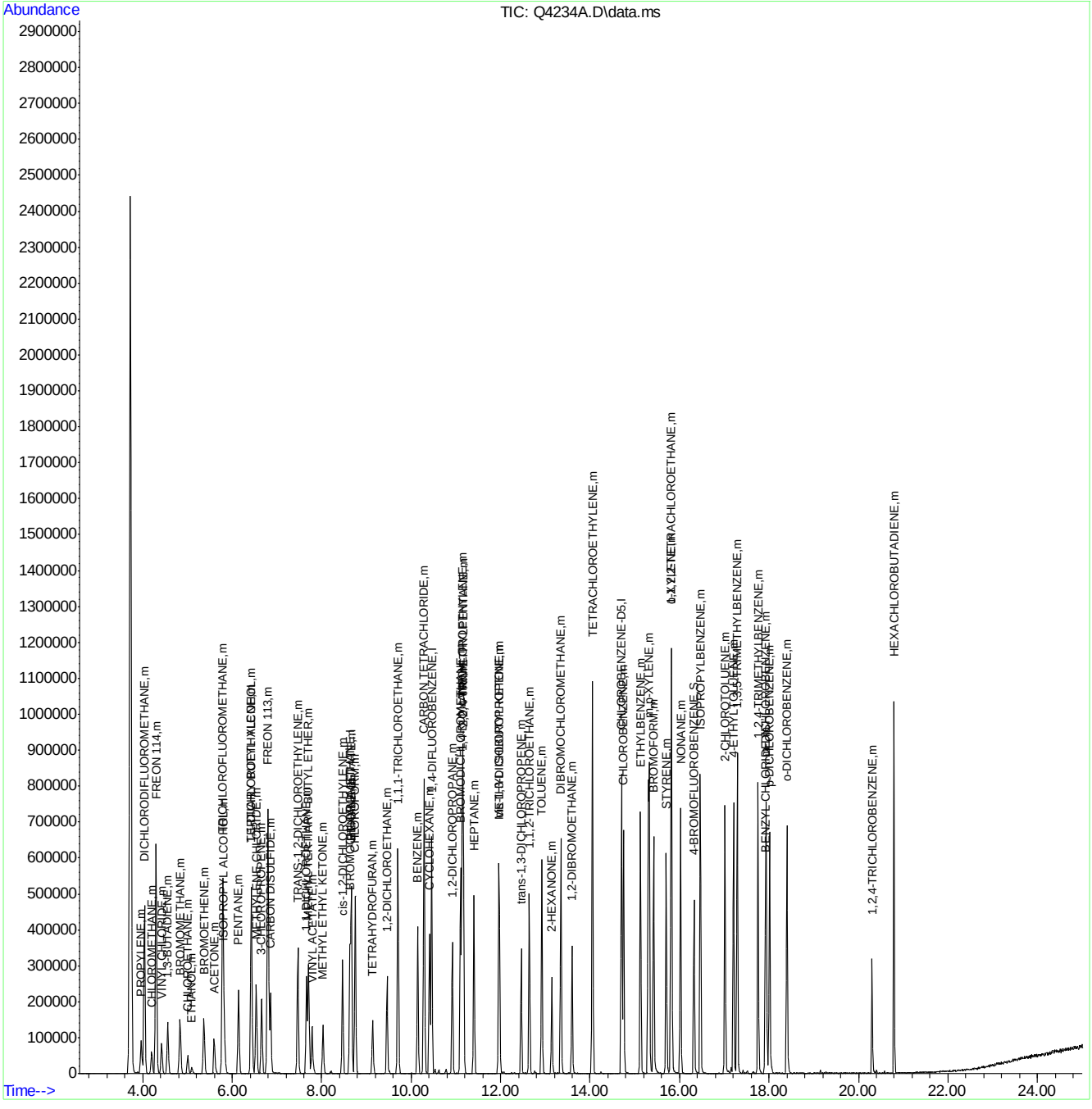
Internal Standards	R.T.	QIon	Response	Conc Units	Dev(Min)
44) METHYL ISOBUTYL KETONE	11.974	43	201264	13.00 PPBV	96
45) cis-1,3-DICHLOROPROPENE	11.959	75	181980	13.34 PPBV	93
46) TOLUENE	12.920	92	212552	11.19 PPBV	98
47) trans-1,3-DICHLOROPROPENE	12.458	75	151617	12.25 PPBV	93
48) 1,1,2-TRICHLOROETHANE	12.641	83	106977	10.81 PPBV	96
50) 2-HEXANONE	13.143	43	168283	13.22 PPBV	95
51) TETRACHLOROETHYLENE	14.054	164	197314	11.40 PPBV	95
52) DIBROMOCHLOROMETHANE	13.347	129	308960	12.95 PPBV	99
53) 1,2-DIBROMOETHANE	13.596	107	205884	11.66 PPBV	100
54) CHLOROBENZENE	14.748	112	299411	11.41 PPBV	97
55) ETHYLBENZENE	15.126	91	487372	12.58 PPBV	98
56) m,p-XYLENE	15.323	106	366334	25.83 PPBV	96
57) o-XYLENE	15.818	106	179030	12.95 PPBV	98
58) STYRENE	15.701	104	257548	11.86 PPBV	98
59) NONANE	16.020	43	226382	13.24 PPBV	96
60) BROMOFORM	15.420	173	289551	11.43 PPBV	99
62) 1,1,2,2-TETRACHLOROETHANE	15.809	83	258979	11.51 PPBV	98
63) ISOPROPYLBENZENE	16.464	105	515734	11.94 PPBV	98
64) 2-CHLOROTOLUENE	17.018	91	386122	11.89 PPBV	97
65) 4-ETHYLTOLUENE	17.206	105	424835	11.64 PPBV	98
66) 1,3,5-TRIMETHYLBENZENE	17.289	105	454269	12.42 PPBV	97
67) 1,2,4-TRIMETHYLBENZENE	17.752	105	411518	12.48 PPBV	99
68) m-DICHLOROBENZENE	17.937	146	252615	11.64 PPBV	99
69) BENZYL CHLORIDE	17.916	91	233333	12.75 PPBV	99
70) p-DICHLOROBENZENE	18.011	146	245259	11.91 PPBV	98
71) o-DICHLOROBENZENE	18.398	146	241653	11.96 PPBV	99
72) HEXACHLOROBUTADIENE	20.792	225	157774	9.77 PPBV	99
73) 1,2,4-TRICHLOROBENZENE	20.303	180	78848	11.75 PPBV	98

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

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\
Data File : Q4234A.D
Acq On : 9 Aug 2007 2:36 pm
Operator : danat
Sample : BS (M164)
Misc : MS14080, MSQ225,,,,,1
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Aug 09 16:54:17 2007
Quant Method : C:\msdchem\1\METHODS\Q080707T.m
Quant Title : TO15 by GCMS w/DB-1 60 m X .25 mm ID 1.0 um
QLast Update : Thu Aug 09 09:41:35 2007
Response via : Initial Calibration



ACCUTEST Laboratories M66801

Manual Integrations APPROVED (compounds with "m" flag)
Doug Yargeau
07/11/07 09:45

Quantitation Report (QT Reviewed)

Data Path : C:\MSDCHEM\1\DATA\
Data File : J10868b.D
Acq On : 5 Jul 2007 5:56 pm
Operator : danat
Sample : bs (M080)
Misc : MS13866, MSJ562,,,,,1
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Jul 05 18:24:49 2007
Quant Method : C:\MSDCHEM\1\METHODS\J070507T.M
Quant Title : TO15 by GCMS w/DB-1 60 m X .25 mm ID 1.0 um
QLast Update : Thu Jul 05 17:30:53 2007
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) BROMOCHLOROMETHANE	8.60	128	347038	10.00	PPBV	-0.01
35) 1,4-DIFLUOROBENZENE	10.43	114	1501760	10.00	PPBV	0.00
49) CHLOROBENZENE-D5	14.67	117	1335133	10.00	PPBV	0.00
System Monitoring Compounds						
61) 4-BROMOFLUOROBENZENE	16.30	95	446244	5.44	PPBV	0.00
Spiked Amount 5.000	Range 51 - 142		Recovery	=	108.80%	
Target Compounds						Qvalue
2) DICHLORODIFLUOROMETHANE	4.06	85	1061110	9.42	PPBV	100
3) PROPYLENE	3.99	41	183358	10.60	PPBV	96
4) FREON 114	4.32	85	975926	9.85	PPBV	99
5) CHLOROMETHANE	4.23	50	255655	9.93	PPBV	94
6) VINYL CHLORIDE	4.44	62	301471	10.50	PPBV	99
7) 1,3-BUTADIENE	4.57	39	232443	11.26	PPBV	98
8) BROMOMETHANE	4.84	94	332070	10.01	PPBV	99
9) CHLOROETHANE	5.01	64	140388	10.56	PPBV	99
10) TRICHLOROFLUOROMETHANE	5.77	101	1134544	9.90	PPBV	100
11) ISOPROPYL ALCOHOL	5.99	45	376740m	10.92	PPBV	
12) ACETONE	5.64	43	394061	9.71	PPBV	99
13) PENTANE	6.12	42	281678	10.41	PPBV	99
14) 1,1-DICHLOROETHYLENE	6.40	96	307939	10.16	PPBV	100
15) CARBON DISULFIDE	6.82	76	926519	9.44	PPBV	99
16) ETHANOL	5.26	45	67215	10.80	PPBV #	65
17) BROMOETHENE	5.36	106	320378	10.94	PPBV	99
18) METHYLENE CHLORIDE	6.52	84	301838	9.92	PPBV	99
19) 3-CHLOROPROPENE	6.63	39	273020	10.74	PPBV	98
20) FREON 113	6.76	151	667835	9.23	PPBV	99
21) TRANS-1,2-DICHLOROETHYLENE	7.43	96	313361	10.47	PPBV	99
22) TERTIARY BUTYL ALCOHOL	6.57	59	462173	11.77	PPBV	93
23) METHYL TERTIARY BUTYL ETHE	7.71	73	685448	11.76	PPBV	99
24) TETRAHYDROFURAN	9.16	42	218377	11.59	PPBV	98
25) HEXANE	8.61	57	365581	9.63	PPBV	97
26) VINYL ACETATE	7.78	43	440550	11.01	PPBV	97
27) 1,1-DICHLOROETHANE	7.63	63	545669	10.33	PPBV	100
28) METHYL ETHYL KETONE	8.07	43	425680	10.63	PPBV	94
29) cis-1,2-DICHLOROETHYLENE	8.44	96	301089	10.37	PPBV	99
30) ETHYL ACETATE	8.67	43	462107	10.49	PPBV	100
31) CHLOROFORM	8.72	83	772083	10.29	PPBV	99
32) 1,1,1-TRICHLOROETHANE	9.66	97	843732	10.35	PPBV	99
33) CARBON TETRACHLORIDE	10.24	117	1036248	10.31	PPBV	99
34) 1,2-DICHLOROETHANE	9.43	62	456550	11.14	PPBV	99
36) BENZENE	10.11	78	802906	11.34	PPBV	100
37) CYCLOHEXANE	10.35	84	361468	10.80	PPBV	98
38) TRICHLOROETHYLENE	11.10	95	428230	11.34	PPBV	99
39) 1,2-DICHLOROPROPANE	10.89	63	271622	11.36	PPBV	99
40) BROMODICHLOROMETHANE	11.08	83	736999	10.65	PPBV	98
41) 2,2,4-TRIMETHYLPENTANE	11.10	57	1295156	9.40	PPBV	99
42) 1,4-DIOXANE	11.17	88	136276	9.35	PPBV	92
43) HEPTANE	11.34	43	409530	10.88	PPBV	99

Quantitation Report (QT Reviewed)

Data Path : C:\MSDCHEM\1\DATA\
Data File : J10868b.D
Acq On : 5 Jul 2007 5:56 pm
Operator : danat
Sample : bs (M080)
Misc : MS13866, MSJ562,,,,,1
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Jul 05 18:24:49 2007
Quant Method : C:\MSDCHEM\1\METHODS\J070507T.M
Quant Title : TO15 by GCMS w/DB-1 60 m X .25 mm ID 1.0 um
QLast Update : Thu Jul 05 17:30:53 2007
Response via : Initial Calibration

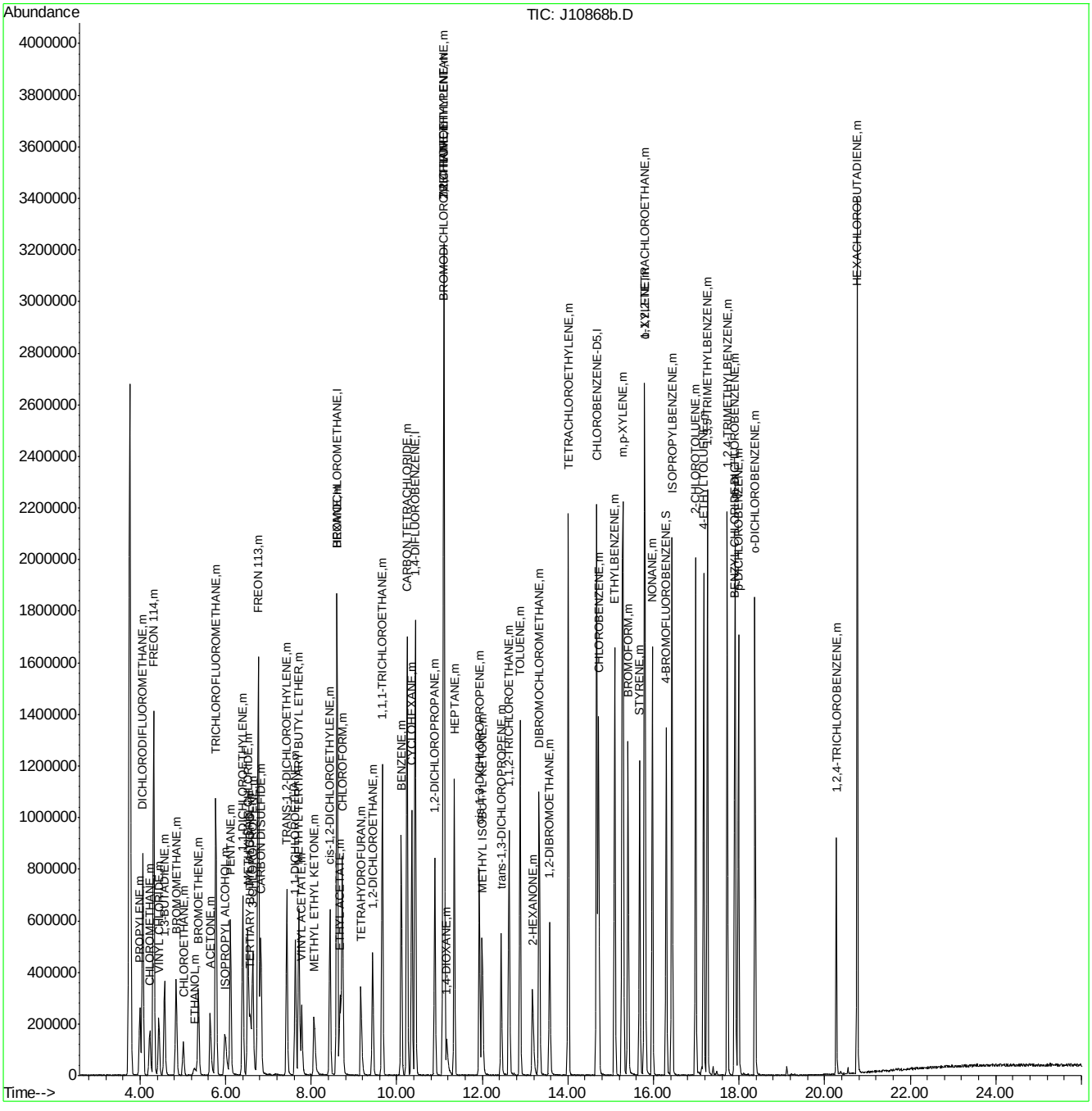
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) METHYL ISOBUTYL KETONE	11.99	43	470043	10.33	PPBV	98
45) cis-1,3-DICHLOROPROPENE	11.93	75	407474	10.95	PPBV	98
46) TOLUENE	12.88	92	578281	11.03	PPBV	99
47) trans-1,3-DICHLOROPROPENE	12.44	75	315716	9.17	PPBV	99
48) 1,1,2-TRICHLOROETHANE	12.62	83	292867	11.81	PPBV	99
50) 2-HEXANONE	13.17	43	357292	10.27	PPBV	98
51) TETRACHLOROETHYLENE	14.01	164	490819	11.51	PPBV	99
52) DIBROMOCHLOROMETHANE	13.33	129	721652	11.17	PPBV	100
53) 1,2-DIBROMOETHANE	13.57	107	497929	11.22	PPBV	100
54) CHLOROBENZENE	14.72	112	799062	10.99	PPBV	99
55) ETHYLBENZENE	15.09	91	1274341	11.17	PPBV	100
56) m,p-XYLENE	15.28	106	1066459	22.74	PPBV	91
57) o-XYLENE	15.79	106	537195	11.55	PPBV	100
58) STYRENE	15.68	104	641503	10.45	PPBV	99
59) NONANE	15.97	43	589203	11.86	PPBV	99
60) BROMOFORM	15.41	173	710773	11.64	PPBV	99
62) 1,1,2,2-TETRACHLOROETHANE	15.80	83	717790	11.56	PPBV	100
63) ISOPROPYLBENZENE	16.43	105	1535173	11.66	PPBV	99
64) 2-CHLOROTOLUENE	16.98	91	1065316	11.72	PPBV	99
65) 4-ETHYLTOLUENE	17.17	105	1222135	10.70	PPBV	99
66) 1,3,5-TRIMETHYLBENZENE	17.26	105	1242727	11.61	PPBV	100
67) 1,2,4-TRIMETHYLBENZENE	17.72	105	1125219	11.80	PPBV	99
68) m-DICHLOROBENZENE	17.91	146	760499	11.23	PPBV	99
69) BENZYL CHLORIDE	17.89	91	525729	9.80	PPBV	100
70) p-DICHLOROBENZENE	17.98	146	679517	10.63	PPBV	99
71) o-DICHLOROBENZENE	18.37	146	702934	12.32	PPBV	100
72) HEXACHLOROBUTADIENE	20.76	225	565416	15.84	PPBV	99
73) 1,2,4-TRICHLOROBENZENE	20.27	180	241387	11.45	PPBV	99

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

Quantitation Report (QT Reviewed)

Data Path : C:\MSDCHEM\1\DATA\
Data File : J10868b.D
Acq On : 5 Jul 2007 5:56 pm
Operator : danat
Sample : bs (M080)
Misc : MS13866, MSJ562,,,,,1
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Jul 05 18:24:49 2007
Quant Method : C:\MSDCHEM\1\METHODS\J070507T.M
Quant Title : TO15 by GCMS w/DB-1 60 m X .25 mm ID 1.0 um
QLast Update : Thu Jul 05 17:30:53 2007
Response via : Initial Calibration



Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\
Data File : Q3984b.D
Acq On : 17 Jul 2007 8:45 am
Operator : danat
Sample : bs (M209)
Misc : MS13893, MSQ214,,,,,1
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Jul 17 14:07:21 2007
Quant Method : C:\msdchem\1\METHODS\Q071607T.m
Quant Title : TO15 by GCMS w/DB-1 60 m X .25 mm ID 1.0 um
QLast Update : Tue Jul 17 08:27:00 2007
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) BROMOCHLOROMETHANE	8.633	128	198360	10.00	PPBV	0.00
35) 1,4-DIFLUOROBENZENE	10.463	114	902151	10.00	PPBV	0.00
49) CHLOROBENZENE-D5	14.707	117	781705	10.00	PPBV	0.00

System Monitoring Compounds

61) 4-BROMOFLUOROBENZENE	16.325	95	309690	5.39	PPBV	0.00

Spiked Amount 5.000 Range 57 - 139 Recovery = 107.80%

Target Compounds						Qvalue
2) DICHLORODIFLUOROMETHANE	4.037	85	726946	10.84	PPBV	99
3) PROPYLENE	3.966	41	110064	10.51	PPBV	93
4) FREON 114	4.296	85	667194	10.74	PPBV	99
5) CHLOROMETHANE	4.203	50	152498	10.60	PPBV	94
6) VINYL CHLORIDE	4.420	62	179540	10.62	PPBV	98
7) 1,3-BUTADIENE	4.560	39	147875	10.72	PPBV	96
8) BROMOMETHANE	4.834	94	207354	10.86	PPBV	98
9) CHLOROETHANE	5.009	64	76397	11.41	PPBV	99
10) TRICHLOROFLUOROMETHANE	5.788	101	751175	11.42	PPBV	100
11) ISOPROPYL ALCOHOL	5.826	45	241350	9.68	PPBV	93
12) ACETONE	5.597	43	216102	8.20	PPBV	99
13) PENTANE	6.143	42	165867	11.51	PPBV	99
14) 1,1-DICHLOROETHYLENE	6.427	96	193333	10.45	PPBV	93
15) CARBON DISULFIDE	6.859	76	540832	11.62	PPBV	98
16) ETHANOL	5.094	45	39797	8.10	PPBV	95
17) BROMOETHENE	5.370	106	204817	10.74	PPBV	99
18) METHYLENE CHLORIDE	6.541	84	164926	7.27	PPBV	98
19) 3-CHLOROPROPENE	6.660	39	154305	11.11	PPBV	94
20) FREON 113	6.800	151	415737	9.05	PPBV	99
21) TRANS-1,2-DICHLOROETHY...	7.467	96	190404	10.74	PPBV	97
22) TERTIARY BUTYL ALCOHOL	6.427	59	332679	10.66	PPBV	98
23) METHYL TERTIARY BUTYL ...	7.710	73	392083	9.55	PPBV	99
24) TETRAHYDROFURAN	9.144	42	111570	9.01	PPBV	99
25) HEXANE	8.667	57	207399	7.94	PPBV	95
26) VINYL ACETATE	7.789	43	284777	9.56	PPBV	97
27) 1,1-DICHLOROETHANE	7.662	63	312636	10.67	PPBV	100
28) METHYL ETHYL KETONE	8.030	43	244701	9.10	PPBV	93
29) cis-1,2-DICHLOROETHYLENE	8.470	96	160232	10.23	PPBV	99
30) ETHYL ACETATE	8.663	43	404597	7.72	PPBV	100
31) CHLOROFORM	8.750	83	414026	10.21	PPBV	99
32) 1,1,1-TRICHLOROETHANE	9.711	97	432762	10.57	PPBV	99
33) CARBON TETRACHLORIDE	10.293	117	537081	11.19	PPBV	99
34) 1,2-DICHLOROETHANE	9.462	62	242510	10.19	PPBV	98
36) BENZENE	10.151	78	381394	9.17	PPBV	100
37) CYCLOHEXANE	10.417	84	177444	9.97	PPBV	98
38) TRICHLOROETHYLENE	11.145	95	235474	10.11	PPBV	99
39) 1,2-DICHLOROPROPANE	10.926	63	131144	9.30	PPBV	97
40) BROMODICHLOROMETHANE	11.106	83	378433	10.23	PPBV	97
41) 2,2,4-TRIMETHYLPENTANE	11.168	57	644899	10.15	PPBV	99
42) 1,4-DIOXANE	11.134	88	77597	9.46	PPBV	92
43) HEPTANE	11.406	43	230882	9.90	PPBV	98

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\
Data File : Q3984b.D
Acq On : 17 Jul 2007 8:45 am
Operator : danat
Sample : bs (M209)
Misc : MS13893, MSQ214,,,,,1
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Jul 17 14:07:21 2007
Quant Method : C:\msdchem\1\METHODS\Q071607T.m
Quant Title : TO15 by GCMS w/DB-1 60 m X .25 mm ID 1.0 um
QLast Update : Tue Jul 17 08:27:00 2007
Response via : Initial Calibration

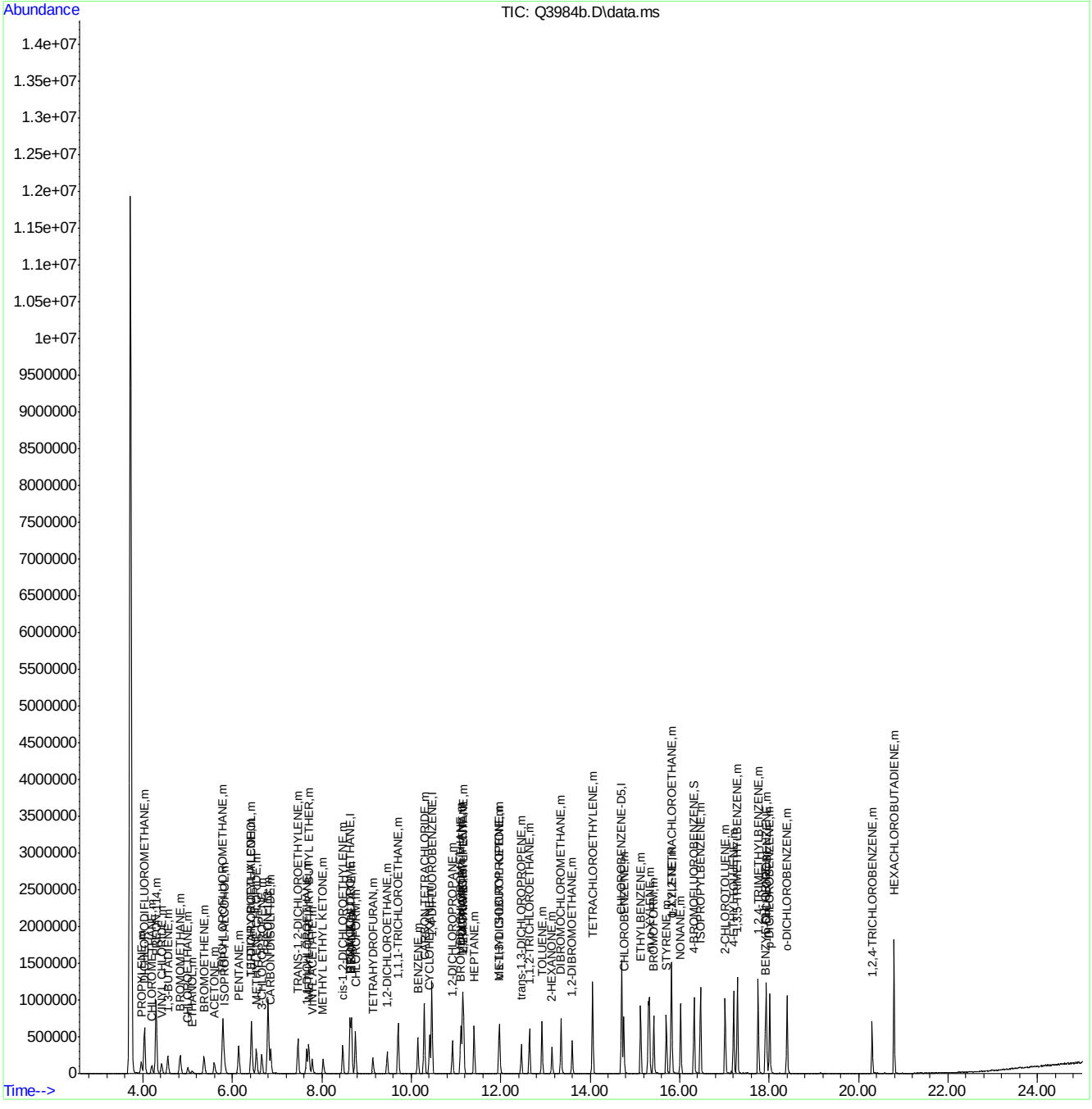
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) METHYL ISOBUTYL KETONE	11.979	43	283781	9.50	PPBV	97
45) cis-1,3-DICHLOROPROPENE	11.961	75	217279	10.07	PPBV	96
46) TOLUENE	12.923	92	266117	8.86	PPBV	100
47) trans-1,3-DICHLOROPROPENE	12.463	75	174783	8.86	PPBV	97
48) 1,1,2-TRICHLOROETHANE	12.643	83	142783	9.20	PPBV	99
50) 2-HEXANONE	13.147	43	235124	9.34	PPBV	97
51) TETRACHLOROETHYLENE	14.057	164	257364	9.86	PPBV	99
52) DIBROMOCHLOROMETHANE	13.349	129	368242	10.30	PPBV	99
53) 1,2-DIBROMOETHANE	13.599	107	267370	9.35	PPBV	99
54) CHLOROBENZENE	14.753	112	384893	9.30	PPBV	100
55) ETHYLBENZENE	15.129	91	619158	9.48	PPBV	99
56) m,p-XYLENE	15.326	106	483299	19.58	PPBV	97
57) o-XYLENE	15.825	106	244339	9.73	PPBV	98
58) STYRENE	15.704	104	359962	10.24	PPBV	99
59) NONANE	16.025	43	326579	10.19	PPBV	100
60) BROMOFORM	15.424	173	356220	9.82	PPBV	100
62) 1,1,2,2-TETRACHLOROETHANE	15.810	83	380959	9.69	PPBV	98
63) ISOPROPYLBENZENE	16.467	105	762304	9.91	PPBV	99
64) 2-CHLOROTOLUENE	17.016	91	560897	10.15	PPBV	99
65) 4-ETHYLTOLUENE	17.211	105	672129	9.76	PPBV	100
66) 1,3,5-TRIMETHYLBENZENE	17.292	105	682672	10.21	PPBV	99
67) 1,2,4-TRIMETHYLBENZENE	17.756	105	661253	10.74	PPBV	99
68) m-DICHLOROBENZENE	17.942	146	439257	10.19	PPBV	100
69) BENZYL CHLORIDE	17.917	91	370322	10.14	PPBV	100
70) p-DICHLOROBENZENE	18.013	146	441700	10.61	PPBV	99
71) o-DICHLOROBENZENE	18.402	146	402440	9.81	PPBV	99
72) HEXACHLOROBUTADIENE	20.796	225	283891	14.09	PPBV	100
73) 1,2,4-TRICHLOROBENZENE	20.306	180	191567	13.19	PPBV	99

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

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\
Data File : Q3984b.D
Acq On : 17 Jul 2007 8:45 am
Operator : danat
Sample : bs (M209)
Misc : MS13893, MSQ214,,,,,1
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Jul 17 14:07:21 2007
Quant Method : C:\msdchem\1\METHODS\Q071607T.m
Quant Title : TO15 by GCMS w/DB-1 60 m X .25 mm ID 1.0 um
QLast Update : Tue Jul 17 08:27:00 2007
Response via : Initial Calibration



Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\
Data File : Q4239.D
Acq On : 9 Aug 2007 6:50 pm
Operator : danat
Sample : m66661-2dup (M218)
Misc : MS14093, MSQ225,,,,,1
ALS Vial : 6 Sample Multiplier: 1

Quant Time: Aug 10 13:11:14 2007
Quant Method : C:\msdchem\1\METHODS\Q080707T.m
Quant Title : TO15 by GCMS w/DB-1 60 m X .25 mm ID 1.0 um
QLast Update : Thu Aug 09 09:41:35 2007
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) BROMOCHLOROMETHANE	8.630	128	142996	10.00	PPBV	0.00
35) 1,4-DIFLUOROBENZENE	10.460	114	611671	10.00	PPBV	0.00
49) CHLOROBENZENE-D5	14.703	117	514000	10.00	PPBV	0.00

System Monitoring Compounds

61) 4-BROMOFLUOROBENZENE	16.322	95	181838	4.38	PPBV	0.00

Spiked Amount 5.000 Range 57 - 139 Recovery = 87.60%

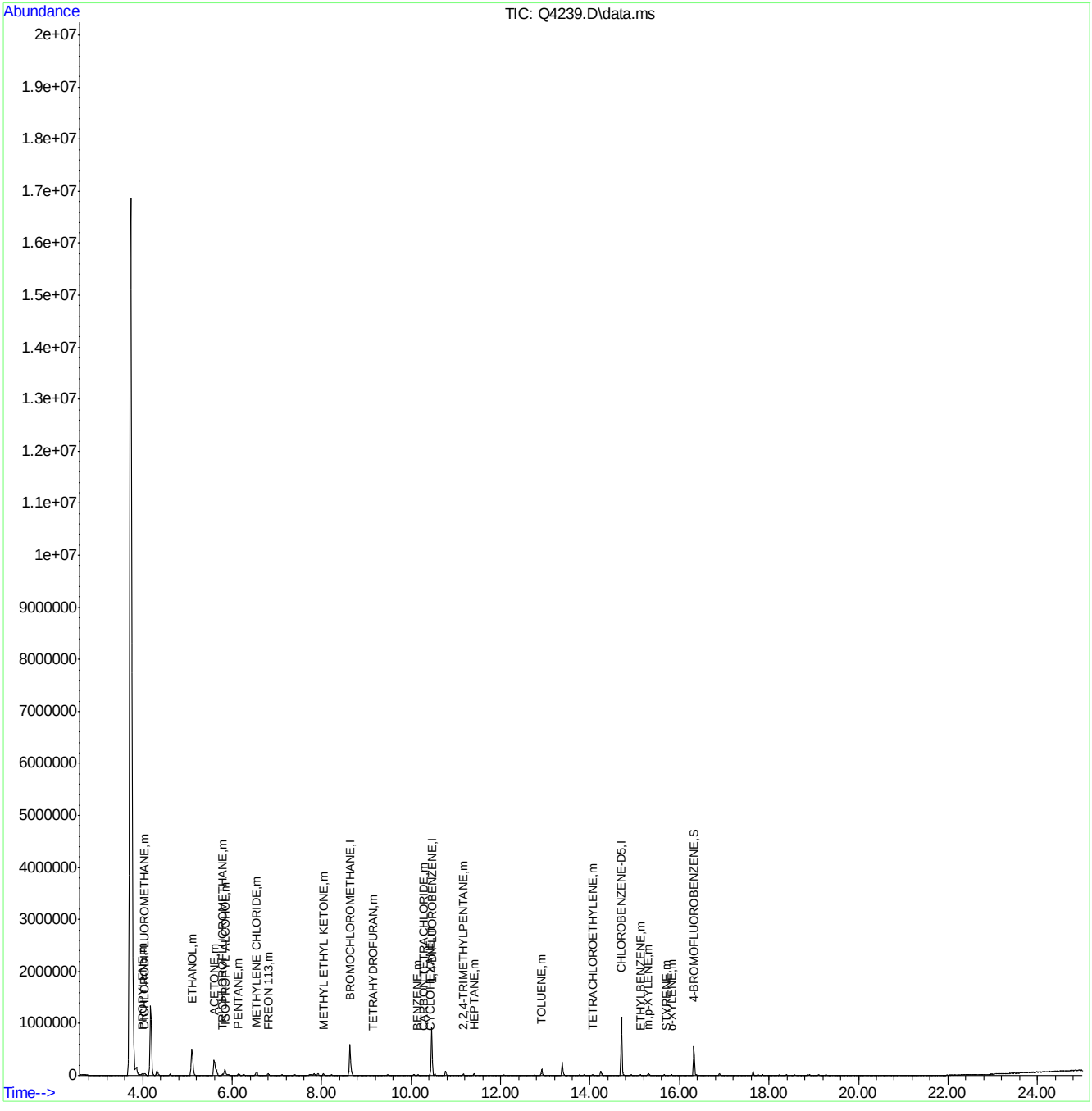
Target Compounds						Qvalue
2) DICHLORODIFLUOROMETHANE	4.030	85	47215	0.58	PPBV	99
3) PROPYLENE	3.989	41	11172	1.15	PPBV #	74
10) TRICHLOROFLUOROMETHANE	5.787	101	29065	0.37	PPBV	98
11) ISOPROPYL ALCOHOL	5.835	45	167973	7.84	PPBV	97
12) ACETONE	5.595	43	508265	22.96	PPBV	94
13) PENTANE	6.140	42	17672	1.07	PPBV	89
16) ETHANOL	5.098	45	765260	138.19	PPBV	95
18) METHYLENE CHLORIDE	6.543	84	33880	1.23	PPBV	87
20) FREON 113	6.800	151	11558	0.27	PPBV	93
24) TETRAHYDROFURAN	9.148	42	2861	0.32	PPBV #	63
28) METHYL ETHYL KETONE	8.032	43	45533	2.06	PPBV	84
33) CARBON TETRACHLORIDE	10.289	117	5142	0.09	PPBV	95
36) BENZENE	10.147	78	12788	0.32	PPBV	96
37) CYCLOHEXANE	10.412	84	6043	0.34	PPBV	84
41) 2,2,4-TRIMETHYLPENTANE	11.166	57	14665	0.24	PPBV #	79
43) HEPTANE	11.402	43	11046	0.56	PPBV	85
46) TOLUENE	12.921	92	45347	1.69	PPBV	96
51) TETRACHLOROETHYLENE	14.047	164	4085	0.17	PPBV	92
55) ETHYLBENZENE	15.126	91	13724	0.26	PPBV	95
56) m,p-XYLENE	15.307	106	11306	0.59	PPBV #	76
57) o-XYLENE	15.816	106	4103	0.22	PPBV	92
58) STYRENE	15.702	104	2404	0.21	PPBV	89

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

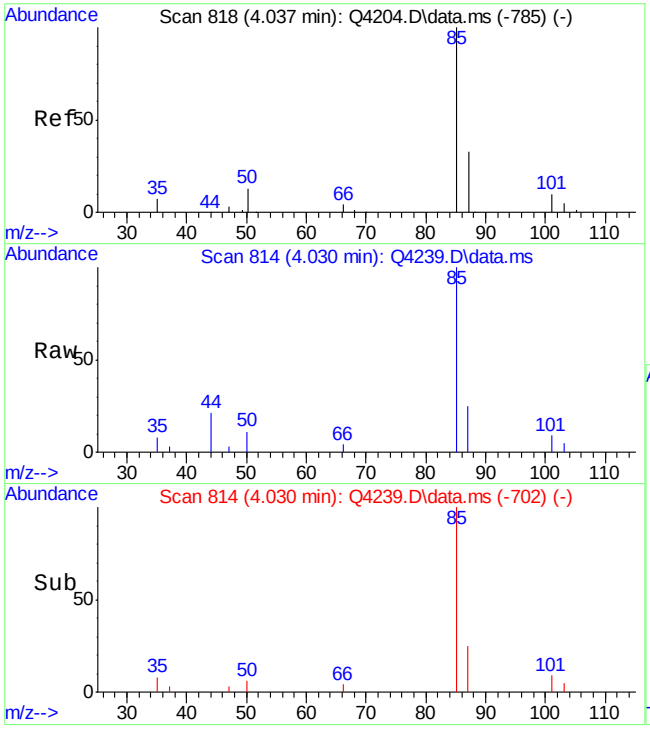
Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\
Data File : Q4239.D
Acq On : 9 Aug 2007 6:50 pm
Operator : danat
Sample : m66661-2dup (M218)
Misc : MS14093, MSQ225,,,,,1
ALS Vial : 6 Sample Multiplier: 1

Quant Time: Aug 10 13:11:14 2007
Quant Method : C:\msdchem\1\METHODS\Q080707T.m
Quant Title : TO15 by GCMS w/DB-1 60 m X .25 mm ID 1.0 um
QLast Update : Thu Aug 09 09:41:35 2007
Response via : Initial Calibration



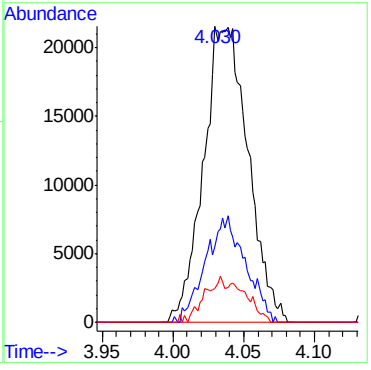
Q080707T.m Fri Aug 10 13:11:24 2007 RPT1 Page: 2

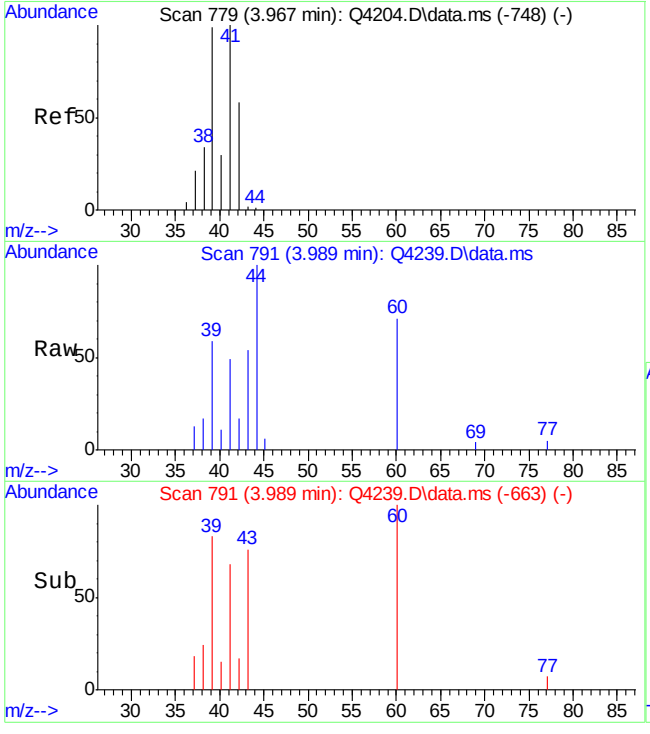


#2
DICHLORODIFLUOROMETHANE
Concen: 0.58 PPBV
RT: 4.030 min Scan# 814
Delta R.T. -0.007 min
Lab File: Q4239.D
Acq: 9 Aug 2007 6:50 pm

Tgt Ion: 85 Resp: 47215

Ion	Ratio	Lower	Upper
85	100		
87	32.1	12.4	52.4
50	13.6	0.0	33.0

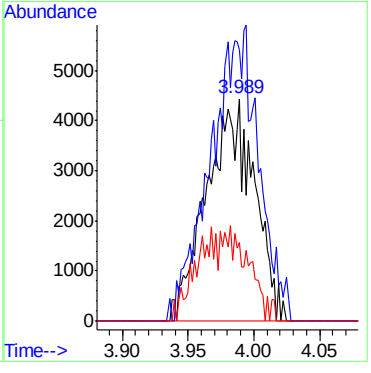




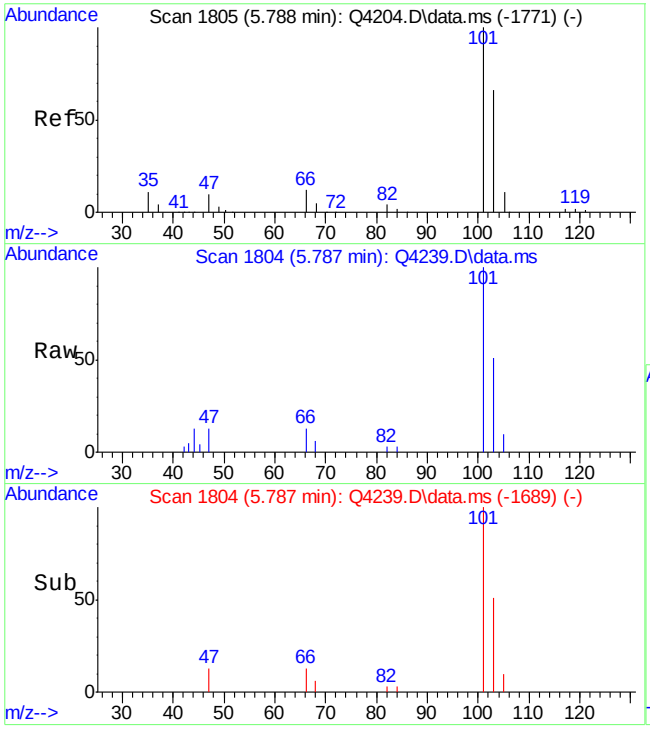
#3
PROPYLENE
Concen: 1.15 PPBV
RT: 3.989 min Scan# 791
Delta R.T. 0.022 min
Lab File: Q4239.D
Acq: 9 Aug 2007 6:50 pm

Tgt Ion: 41 Resp: 11172

Ion	Ratio	Lower	Upper
41	100		
39	122.1	78.5	118.5#
42	35.3	38.1	78.1#



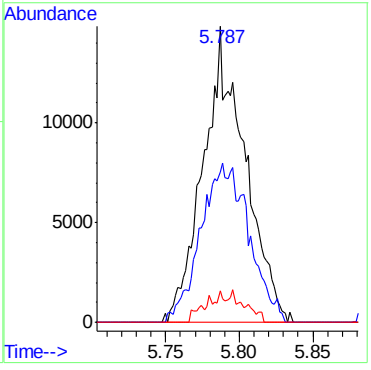
ACCUTEST Laboratories M66801

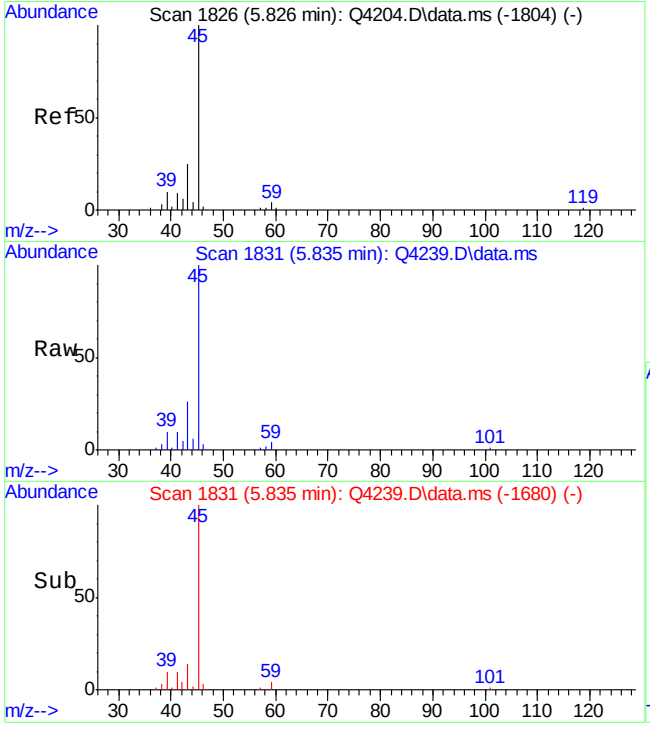


#10
TRICHLOROFLUOROMETHANE
Concen: 0.37 PPBV
RT: 5.787 min Scan# 1804
Delta R.T. -0.002 min
Lab File: Q4239.D
Acq: 9 Aug 2007 6:50 pm

Tgt Ion:101 Resp: 29065

Ion	Ratio	Lower	Upper
101	100		
103	62.6	44.4	84.4
105	9.2	0.0	30.5

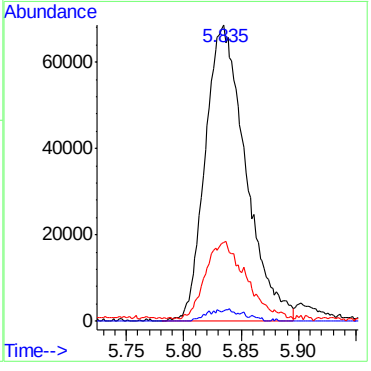


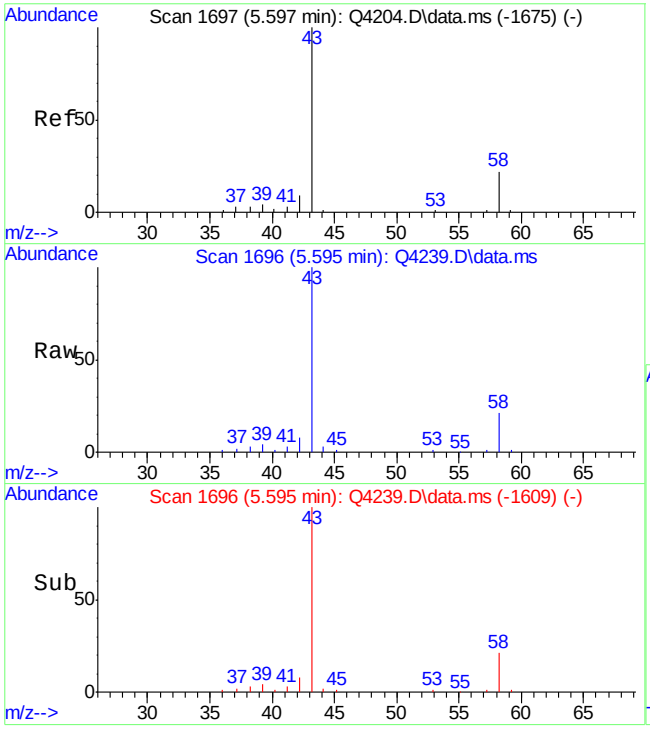


#11
ISOPROPYL ALCOHOL
Concen: 7.84 PPBV
RT: 5.835 min Scan# 1831
Delta R.T. 0.010 min
Lab File: Q4239.D
Acq: 9 Aug 2007 6:50 pm

Tgt Ion: 45 Resp: 167973

Ion	Ratio	Lower	Upper
45	100		
59	3.5	0.0	23.7
43	26.5	4.9	44.9

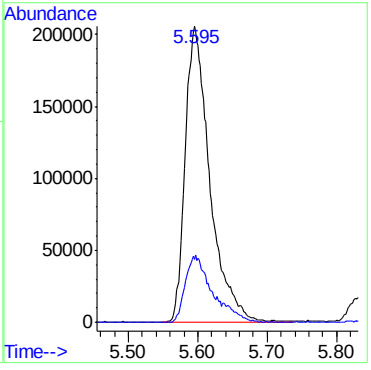


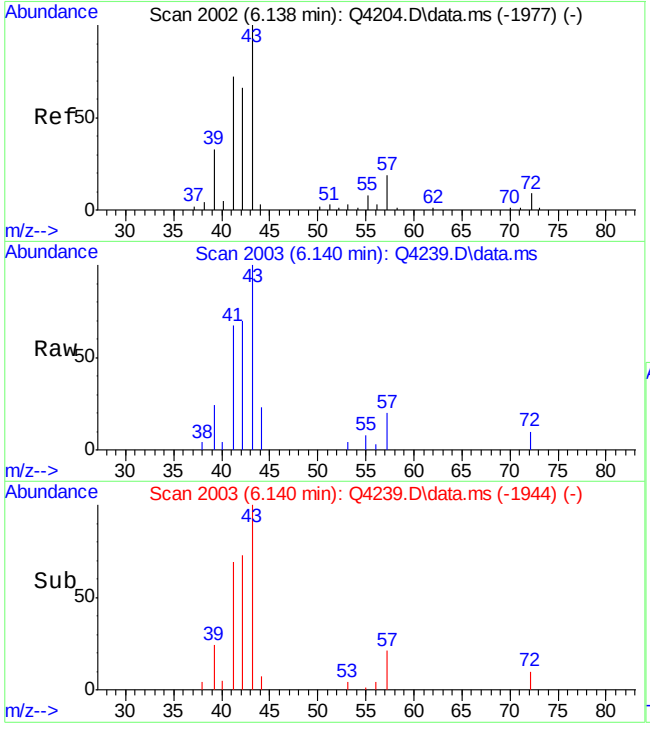


#12
ACETONE
Concen: 22.96 PPBV
RT: 5.595 min Scan# 1696
Delta R.T. -0.001 min
Lab File: Q4239.D
Acq: 9 Aug 2007 6:50 pm

Tgt Ion: 43 Resp: 508265

Ion	Ratio	Lower	Upper
43	100		
58	24.8	2.0	42.0

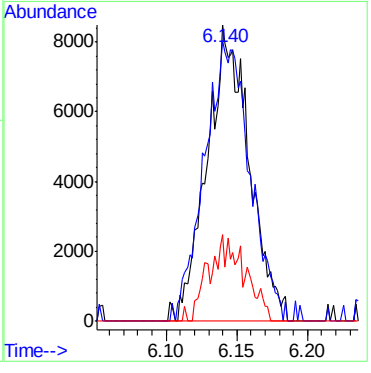


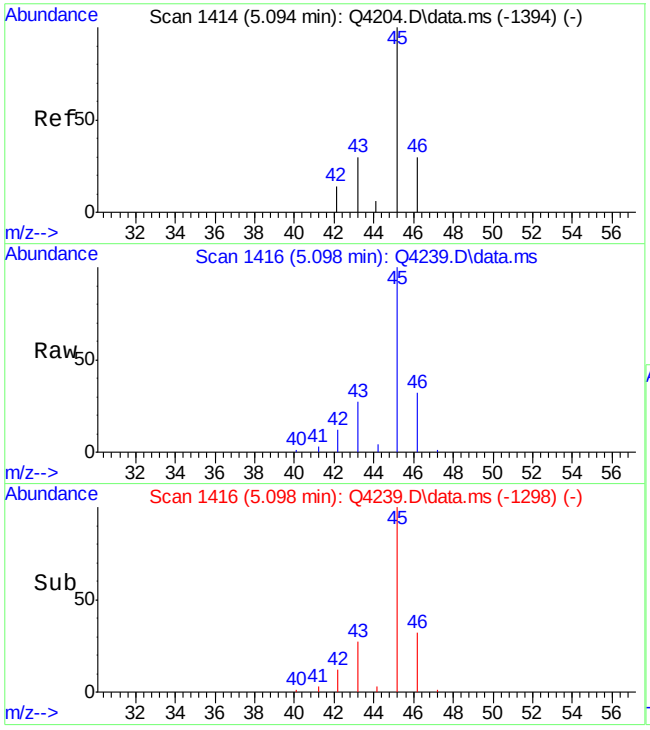


#13
PENTANE
Concen: 1.07 PPBV
RT: 6.140 min Scan# 2003
Delta R.T. 0.002 min
Lab File: Q4239.D
Acq: 9 Aug 2007 6:50 pm

Tgt Ion: 42 Resp: 17672

Ion	Ratio	Lower	Upper
42	100		
41	101.3	94.9	134.9
57	24.1	7.9	47.9

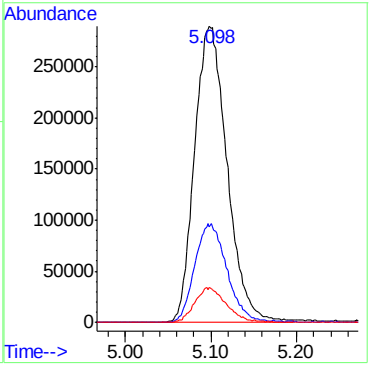


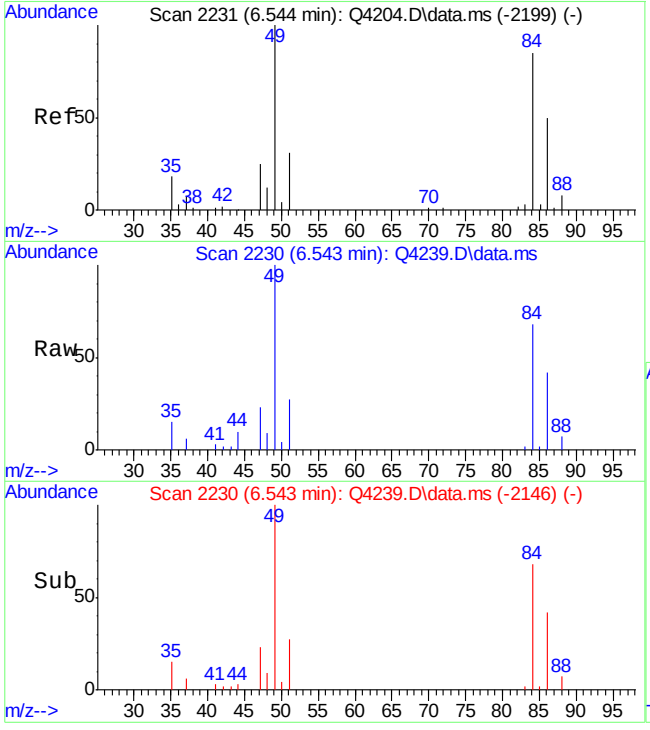


#16
ETHANOL
Concen: 138.19 PPBV
RT: 5.098 min Scan# 1416
Delta R.T. 0.004 min
Lab File: Q4239.D
Acq: 9 Aug 2007 6:50 pm

Tgt Ion: 45 Resp: 765260

Ion	Ratio	Lower	Upper
45	100		
46	33.0	9.5	49.5
42	11.4	0.0	31.3

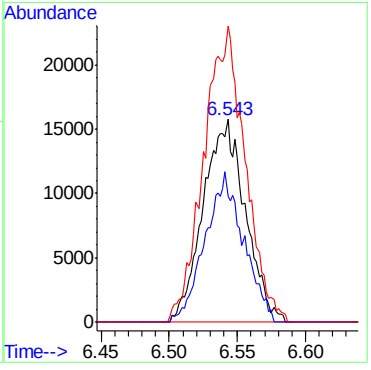


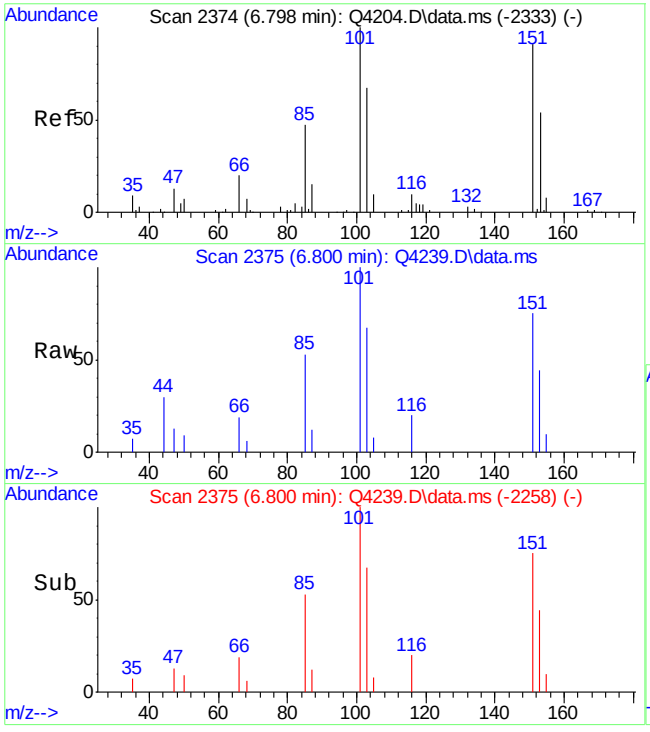


#18
METHYLENE CHLORIDE
Concen: 1.23 PPBV
RT: 6.543 min Scan# 2230
Delta R.T. -0.001 min
Lab File: Q4239.D
Acq: 9 Aug 2007 6:50 pm

Tgt Ion: 84 Resp: 33880

Ion	Ratio	Lower	Upper
84	100		
86	67.0	44.7	84.7
49	143.2	0.0	322.6

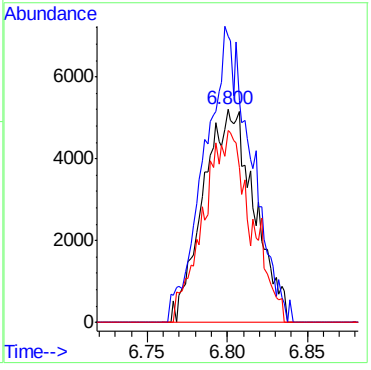


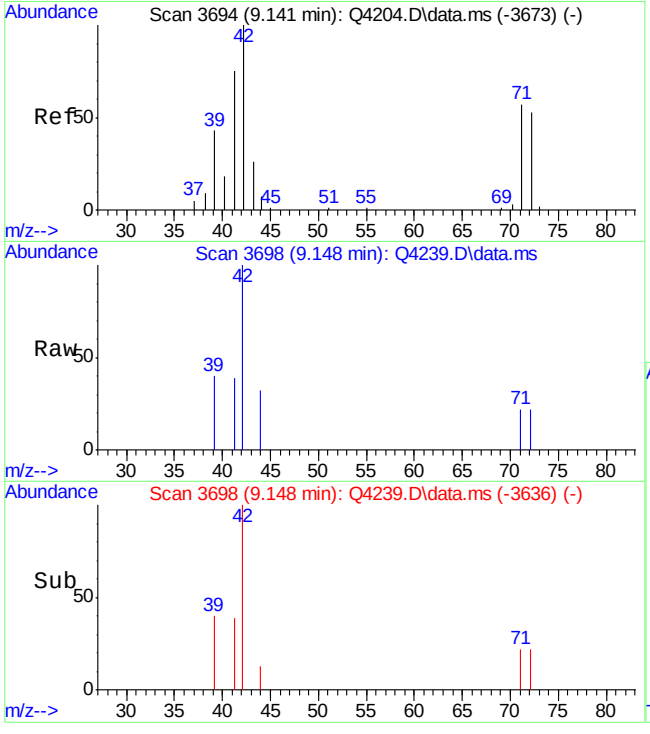


#20
FREON 113
Concen: 0.27 PPBV
RT: 6.800 min Scan# 2375
Delta R.T. 0.002 min
Lab File: Q4239.D
Acq: 9 Aug 2007 6:50 pm

Tgt Ion:151 Resp: 11558

Ion	Ratio	Lower	Upper
151	100		
101	126.7	99.1	139.1
103	84.2	57.2	97.2

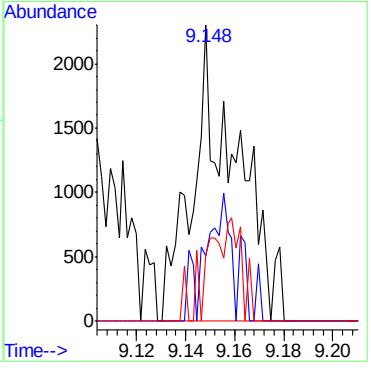


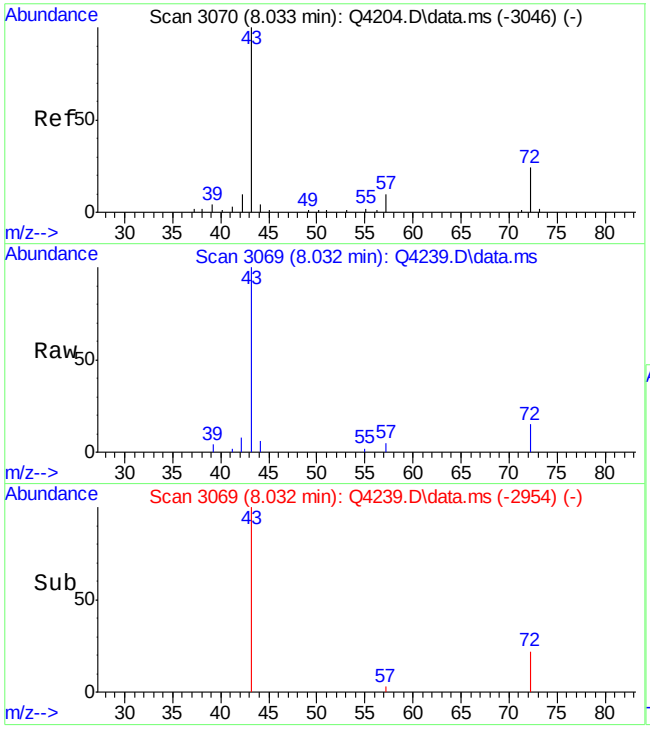


#24
TETRAHYDROFURAN
Concen: 0.32 PPBV
RT: 9.148 min Scan# 3698
Delta R.T. 0.007 min
Lab File: Q4239.D
Acq: 9 Aug 2007 6:50 pm

Tgt Ion: 42 Resp: 2861

Ion	Ratio	Lower	Upper
42	100		
72	30.5	34.4	74.4#
71	26.8	37.2	77.2#

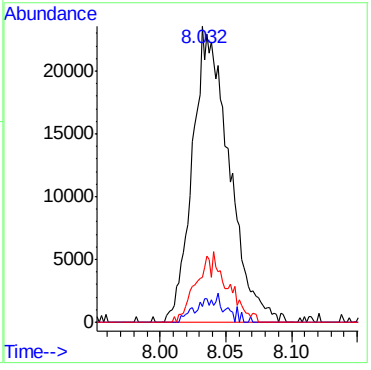


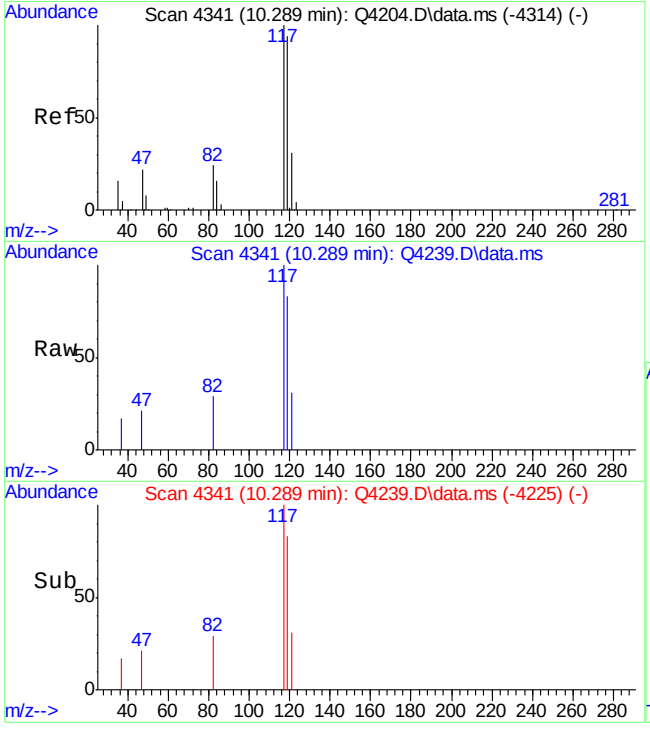


#28
METHYL ETHYL KETONE
Concen: 2.06 PPBV
RT: 8.032 min Scan# 3069
Delta R.T. -0.002 min
Lab File: Q4239.D
Acq: 9 Aug 2007 6:50 pm

Tgt Ion: 43 Resp: 45533

Ion	Ratio	Lower	Upper
43	100		
57	5.5	0.0	29.6
72	15.1	3.7	43.7

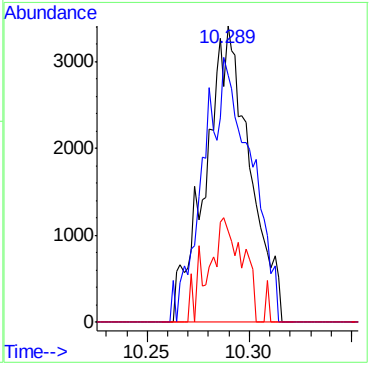


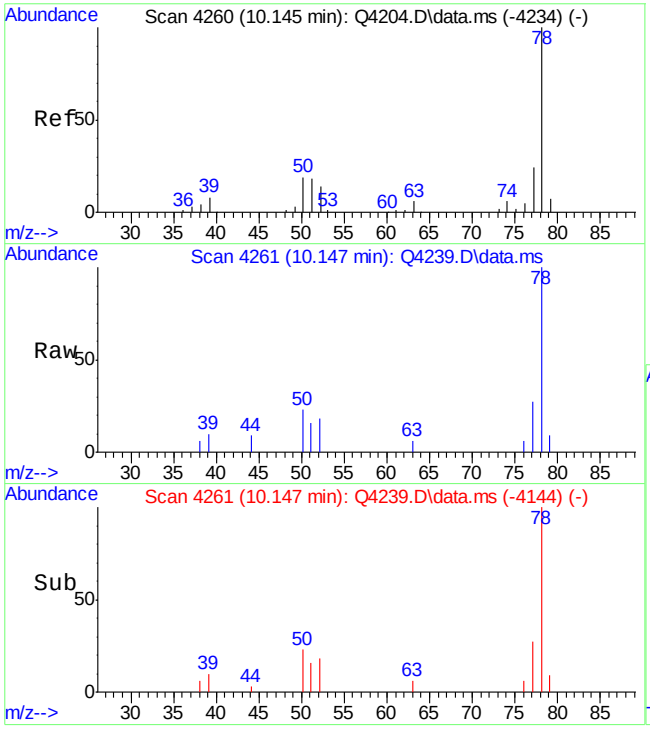


#33
CARBON TETRACHLORIDE
Concen: 0.09 PPBV
RT: 10.289 min Scan# 4341
Delta R.T. 0.000 min
Lab File: Q4239.D
Acq: 9 Aug 2007 6:50 pm

Tgt Ion:117 Resp: 5142

Ion	Ratio	Lower	Upper
117	100		
119	95.4	77.2	117.2
121	22.4	11.4	51.4

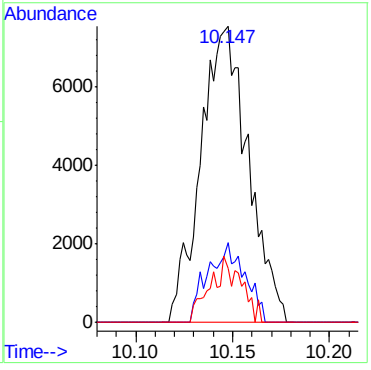


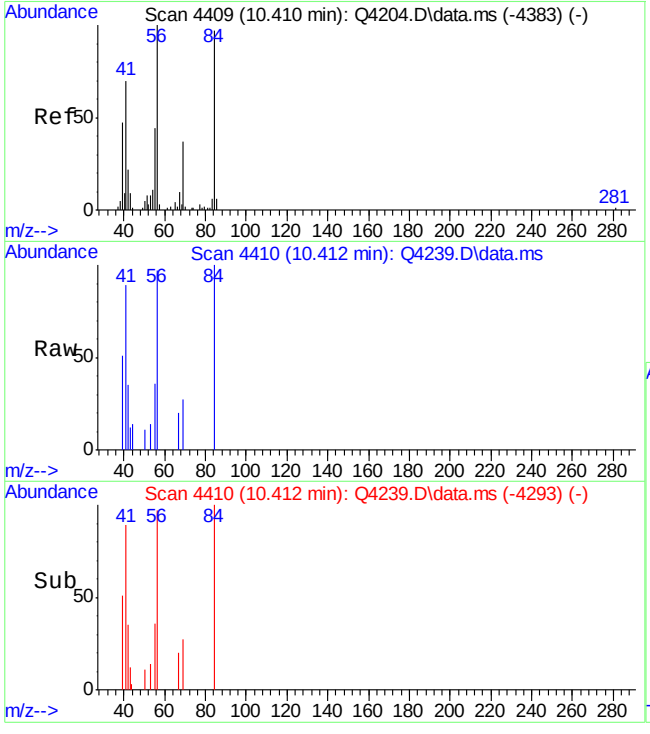


#36
BENZENE
Concen: 0.32 PPBV
RT: 10.147 min Scan# 4261
Delta R.T. 0.002 min
Lab File: Q4239.D
Acq: 9 Aug 2007 6:50 pm

Tgt Ion: 78 Resp: 12788

Ion	Ratio	Lower	Upper
78	100		
77	20.8	3.6	43.6
52	14.3	0.0	35.2

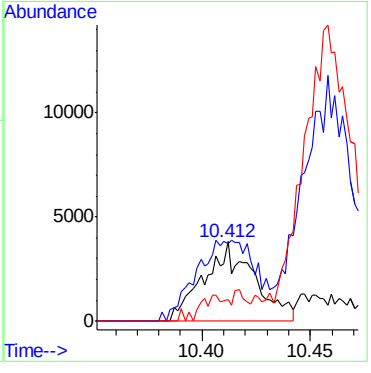




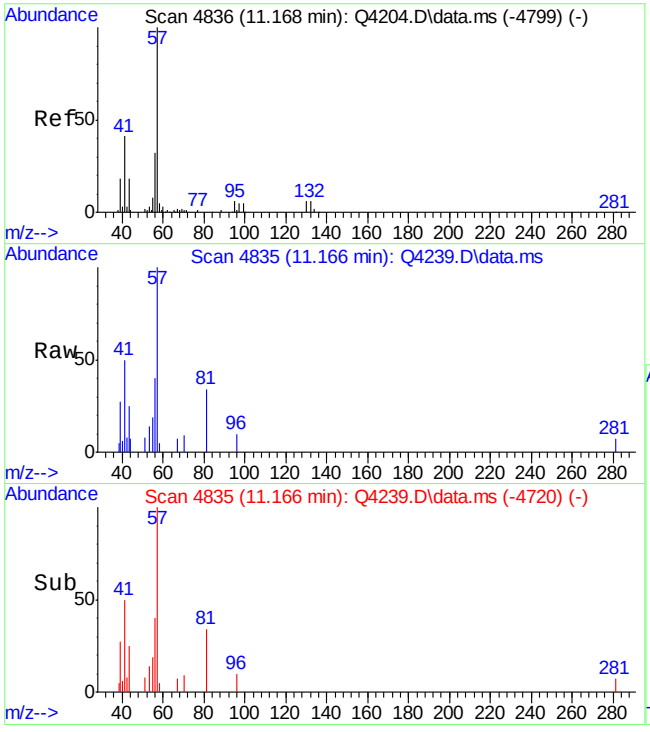
#37
CYCLOHEXANE
Concen: 0.34 PPBV
RT: 10.412 min Scan# 4410
Delta R.T. 0.002 min
Lab File: Q4239.D
Acq: 9 Aug 2007 6:50 pm

Tgt Ion: 84 Resp: 6043

Ion	Ratio	Lower	Upper
84	100		
56	122.5	82.8	122.8
69	33.5	18.2	58.2



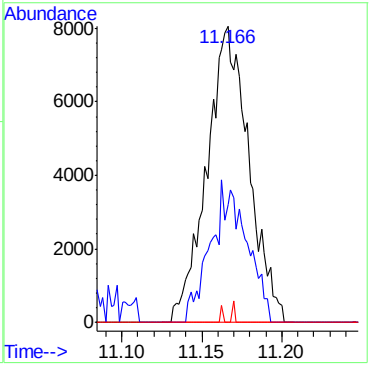
ACCUTEST Laboratories M66801

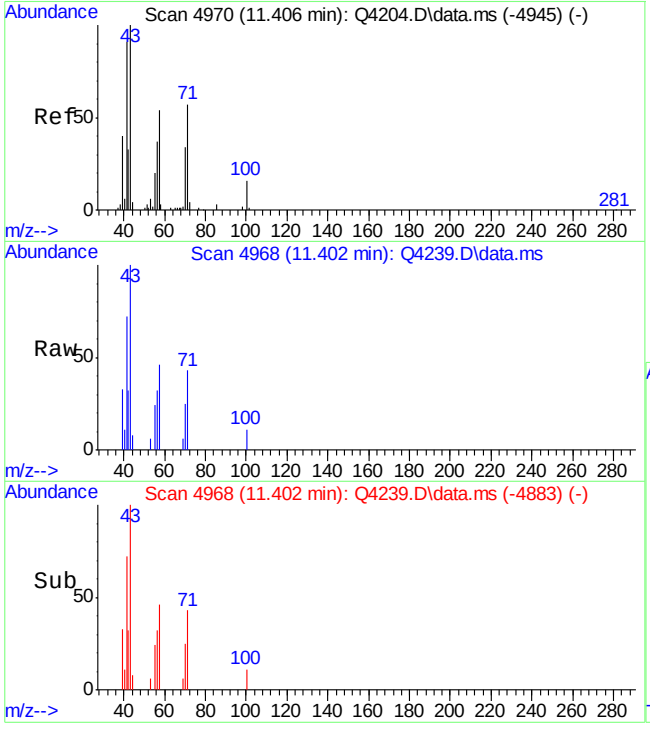


#41
2,2,4-TRIMETHYLPENTANE
Concen: 0.24 PPBV
RT: 11.166 min Scan# 4835
Delta R.T. -0.002 min
Lab File: Q4239.D
Acq: 9 Aug 2007 6:50 pm

Tgt Ion: 57 Resp: 14665

Ion	Ratio	Lower	Upper
57	100		
56	41.0	10.6	50.6
99	0.0	0.0	29.7

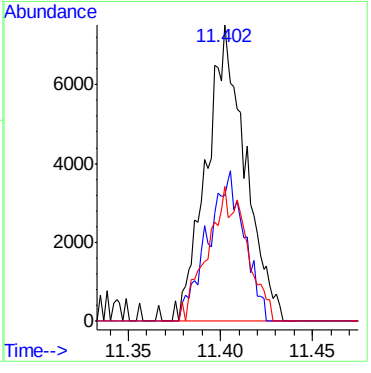


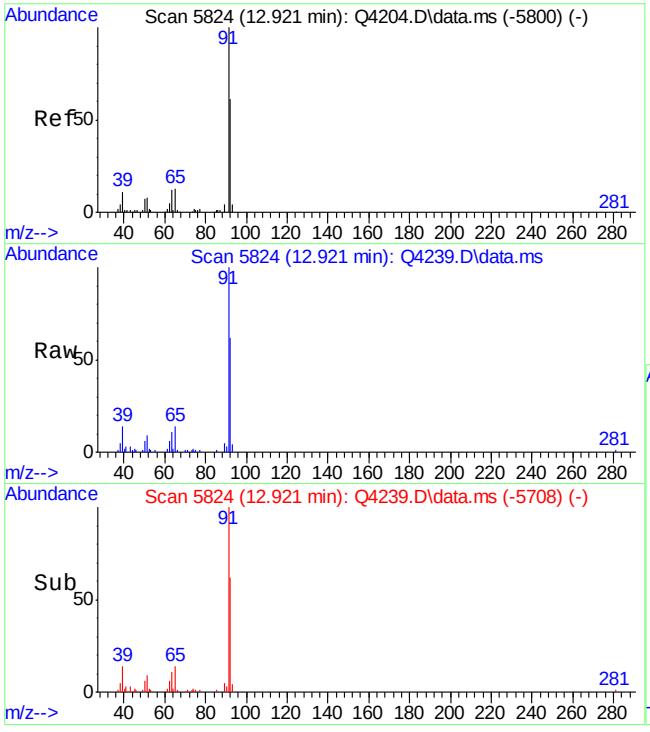


#43
HEPTANE
Concen: 0.56 PPBV
RT: 11.402 min Scan# 4968
Delta R.T. -0.003 min
Lab File: Q4239.D
Acq: 9 Aug 2007 6:50 pm

Tgt Ion: 43 Resp: 11046

Ion	Ratio	Lower	Upper
43	100		
71	47.9	41.9	81.9
57	45.2	33.5	73.5

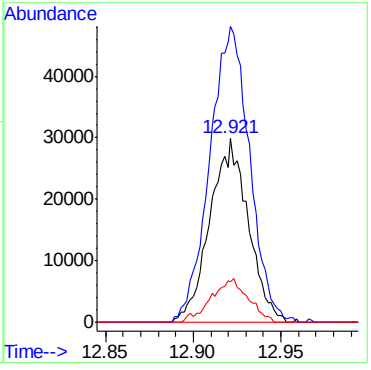


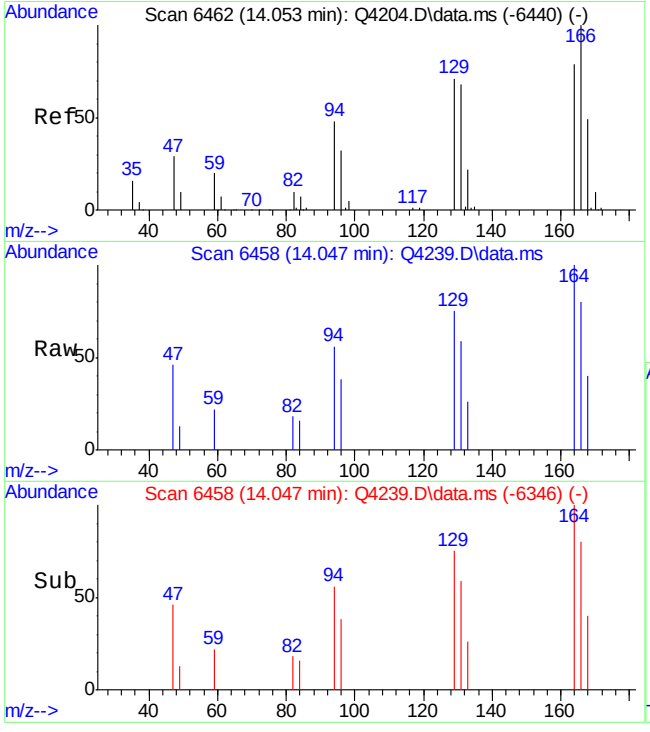


#46
TOLUENE
Concen: 1.69 PPBV
RT: 12.921 min Scan# 5824
Delta R.T. 0.000 min
Lab File: Q4239.D
Acq: 9 Aug 2007 6:50 pm

Tgt Ion: 92 Resp: 45347

Ion	Ratio	Lower	Upper
92	100		
91	167.5	152.4	192.4
65	22.8	0.6	40.6

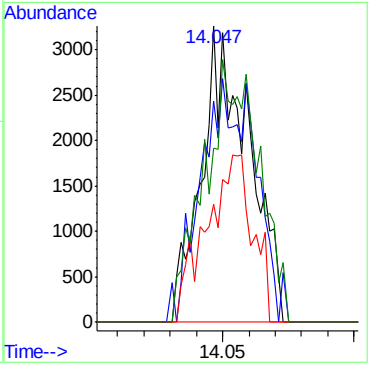


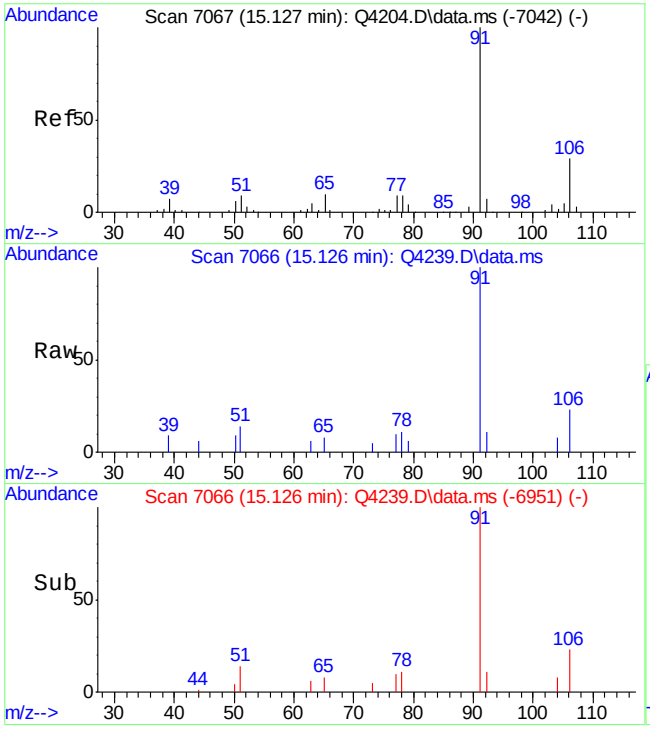


#51
TETRACHLOROETHYLENE
Concen: 0.17 PPBV
RT: 14.047 min Scan# 6458
Delta R.T. -0.007 min
Lab File: Q4239.D
Acq: 9 Aug 2007 6:50 pm

Tgt Ion:164 Resp: 4085

Ion	Ratio	Lower	Upper
164	100		
129	94.1	71.2	111.2
168	55.4	42.6	82.6
131	100.4	69.2	109.2

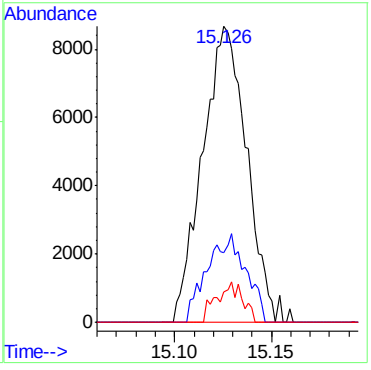


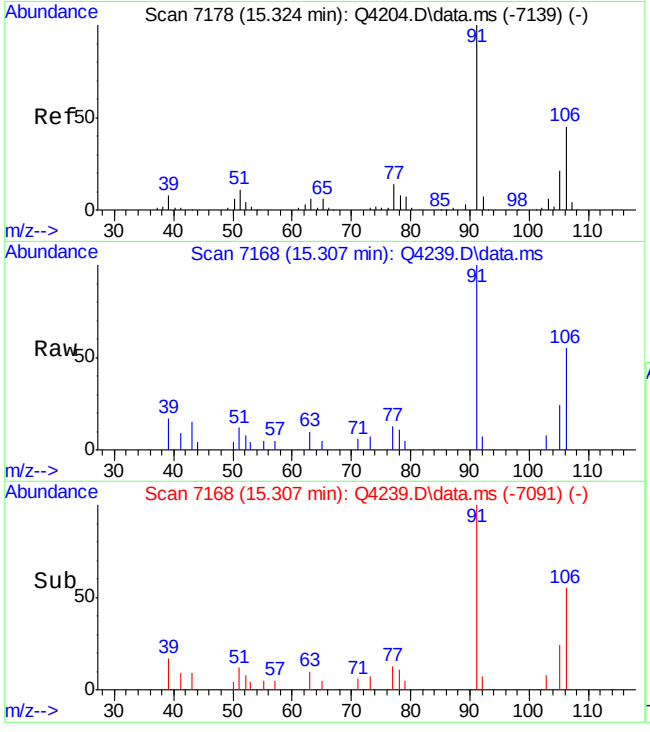


#55
ETHYLBENZENE
Concen: 0.26 PPBV
RT: 15.126 min Scan# 7066
Delta R.T. -0.002 min
Lab File: Q4239.D
Acq: 9 Aug 2007 6:50 pm

Tgt Ion: 91 Resp: 13724

Ion	Ratio	Lower	Upper
91	100		
106	26.1	9.0	49.0
77	7.9	0.0	29.3

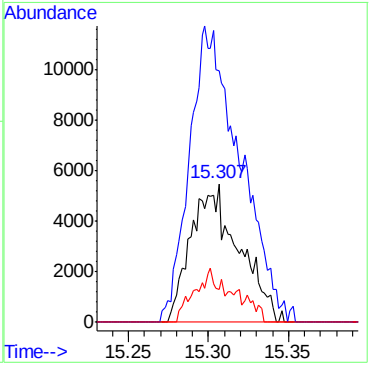


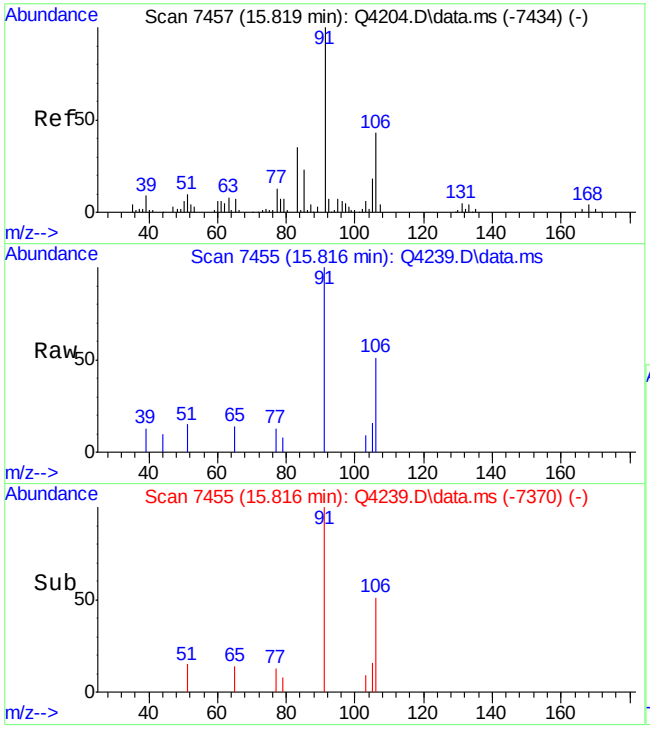


#56
m,p-XYLENE
Concen: 0.59 PPBV
RT: 15.307 min Scan# 7168
Delta R.T. -0.018 min
Lab File: Q4239.D
Acq: 9 Aug 2007 6:50 pm

Tgt Ion:106 Resp: 11306

Ion	Ratio	Lower	Upper
106	100		
91	181.5	178.0	267.0
77	23.5	24.9	37.3#

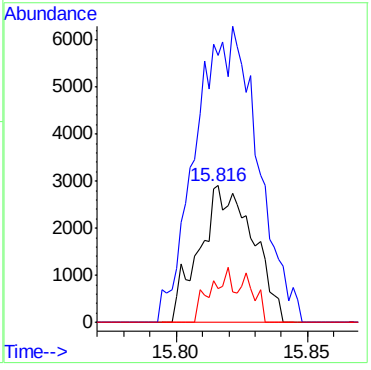


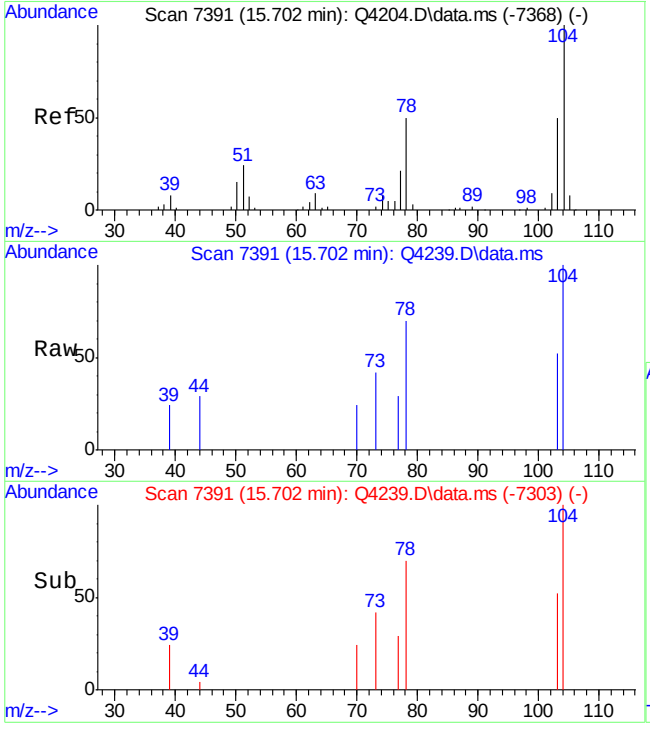


#57
o-XYLENE
Concen: 0.22 PPBV
RT: 15.816 min Scan# 7455
Delta R.T. -0.003 min
Lab File: Q4239.D
Acq: 9 Aug 2007 6:50 pm

Tgt Ion:106 Resp: 4103

Ion	Ratio	Lower	Upper
106	100		
91	252.2	218.7	258.7
77	26.6	10.3	50.3

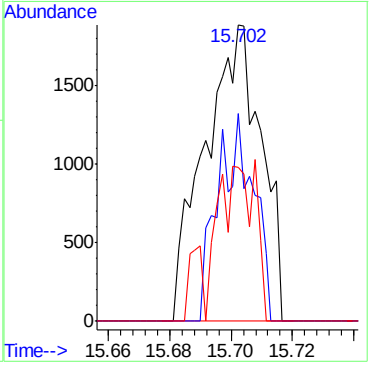




#58
STYRENE
Concen: 0.21 PPBV
RT: 15.702 min Scan# 7391
Delta R.T. 0.000 min
Lab File: Q4239.D
Acq: 9 Aug 2007 6:50 pm

Tgt Ion:104 Resp: 2404

Ion	Ratio	Lower	Upper
104	100		
78	43.9	30.8	70.8
103	40.5	28.1	68.1



Manual Integrations
APPROVED
(compounds with "m" flag)
Doug Yargeau
07/11/07 09:45

Quantitation Report (QT Reviewed)

Data Path : C:\MSDCHEM\1\DATA\
Data File : J10883.D
Acq On : 6 Jul 2007 7:20 am
Operator : danat
Sample : scc (M220)
Misc : MS13866, MSJ562,,,,,1
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Jul 06 13:29:02 2007
Quant Method : C:\MSDCHEM\1\METHODS\J070507T.M
Quant Title : TO15 by GCMS w/DB-1 60 m X .25 mm ID 1.0 um
QLast Update : Thu Jul 05 17:30:53 2007
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) BROMOCHLOROMETHANE	8.60	128	315751	10.00	PPBV	-0.01
35) 1,4-DIFLUOROBENZENE	10.42	114	1203042	10.00	PPBV	-0.01
49) CHLOROBENZENE-D5	14.66	117	1088013	10.00	PPBV	-0.01

System Monitoring Compounds

61) 4-BROMOFLUOROBENZENE	16.28	95	294530	4.41	PPBV	-0.01

Spiked Amount 5.000 Range 51 - 142 Recovery = 88.20%

Target Compounds						Qvalue
12) ACETONE	5.69	43	9339m	0.25	PPBV	

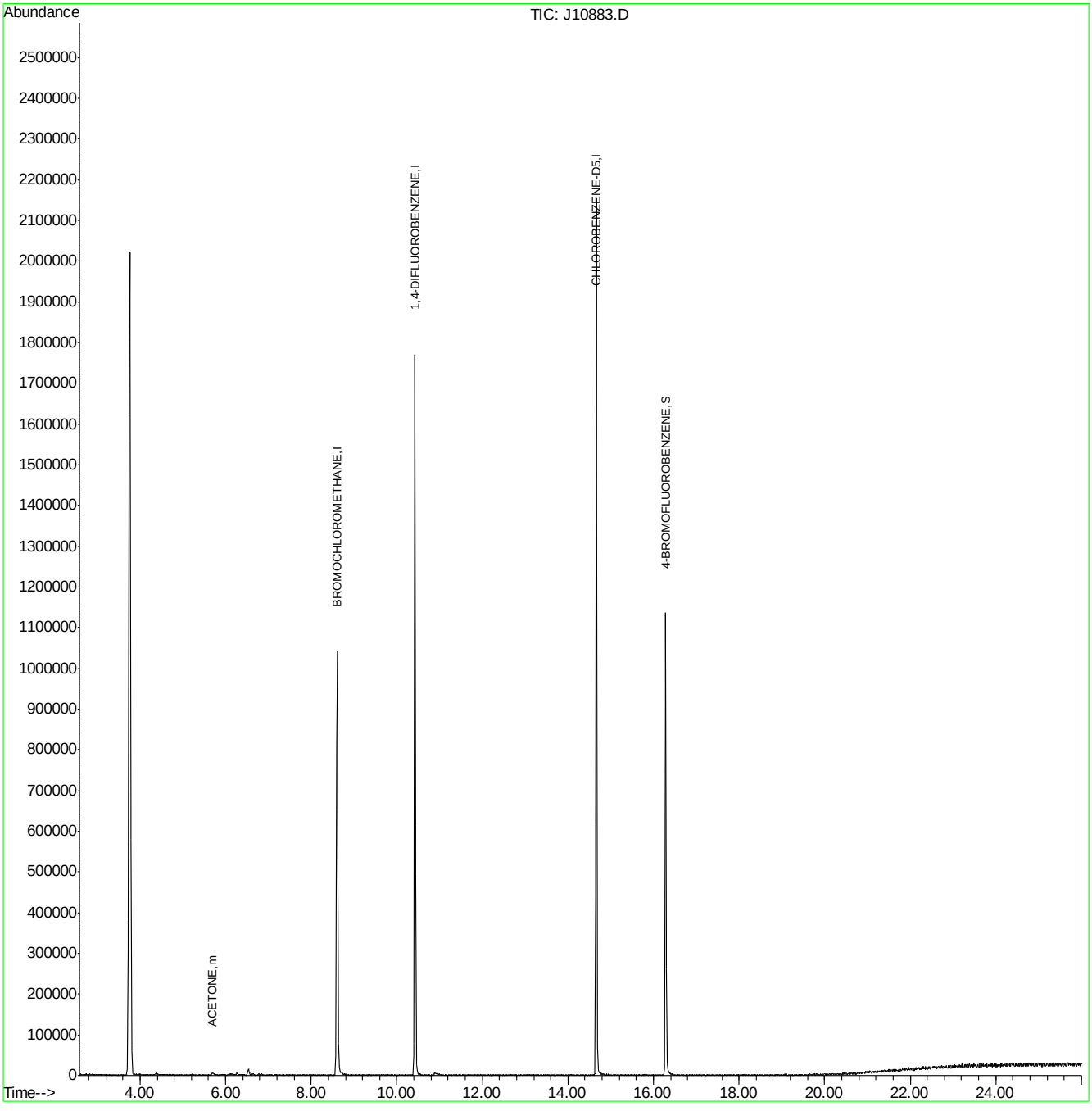
(#) = qualifier out of range (m) = manual integration (+) = signals summed

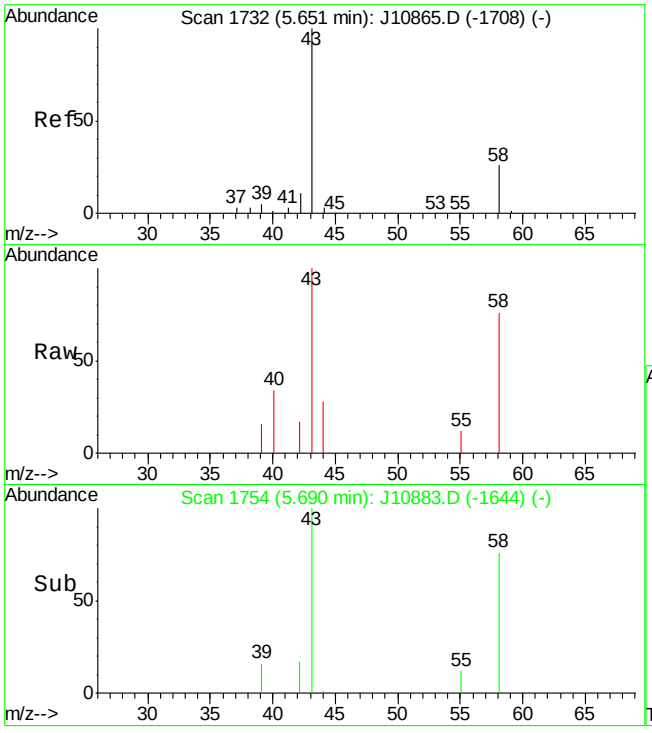
6.5.1
6

Quantitation Report (QT Reviewed)

Data Path : C:\MSDCHEM\1\DATA\
Data File : J10883.D
Acq On : 6 Jul 2007 7:20 am
Operator : danat
Sample : scc (M220)
Misc : MS13866, MSJ562,,,,,1
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Jul 06 13:29:02 2007
Quant Method : C:\MSDCHEM\1\METHODS\J070507T.M
Quant Title : TO15 by GCMS w/DB-1 60 m X .25 mm ID 1.0 um
QLast Update : Thu Jul 05 17:30:53 2007
Response via : Initial Calibration

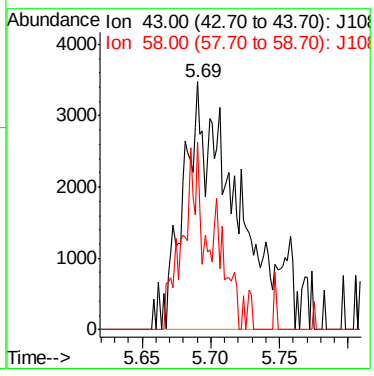




#12
ACETONE
Concen: 0.25 PPBV m
RT: 5.69 min Scan# 1754
Delta R.T. 0.04 min
Lab File: J10883.D
Acq: 6 Jul 2007 7:20 am

Tgt Ion: 43 Resp: 9339

Ion	Ratio	Lower	Upper
43	100		
58	40.3	5.6	45.6



Manual Integrations
APPROVED
(compounds with "m" flag)
Philip Bassignani
07/18/07 19:08

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\
Data File : Q3992.D
Acq On : 17 Jul 2007 2:27 pm
Operator : danat
Sample : scc (M004)
Misc : MS13893, MSQ214,,,,,1
ALS Vial : 10 Sample Multiplier: 1

Quant Time: Jul 18 08:54:17 2007
Quant Method : C:\msdchem\1\METHODS\Q071607T.m
Quant Title : TO15 by GCMS w/DB-1 60 m X .25 mm ID 1.0 um
QLast Update : Tue Jul 17 08:27:00 2007
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) BROMOCHLOROMETHANE	8.632	128	226928	10.00	PPBV	0.00
35) 1,4-DIFLUOROBENZENE	10.460	114	1028230	10.00	PPBV	0.00
49) CHLOROBENZENE-D5	14.705	117	881765	10.00	PPBV	0.00

System Monitoring Compounds

61) 4-BROMOFLUOROBENZENE	16.324	95	324615	5.01	PPBV	0.00

Spiked Amount 5.000 Range 57 - 139 Recovery = 100.20%

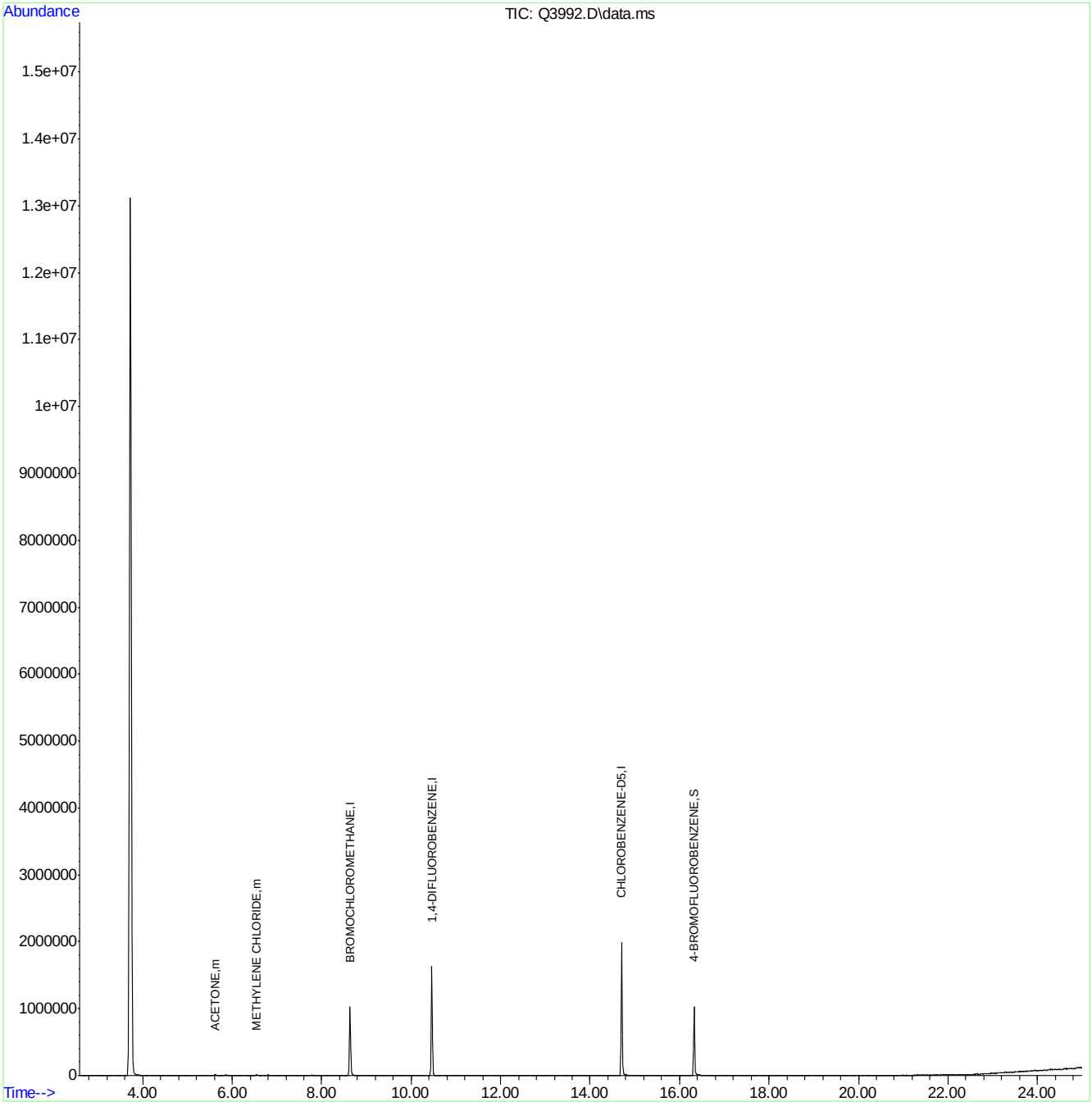
Target Compounds						Qvalue
12) ACETONE	5.618	43	14541	0.63	PPBV	78
18) METHYLENE CHLORIDE	6.550	84	2616m	0.35	PPBV	

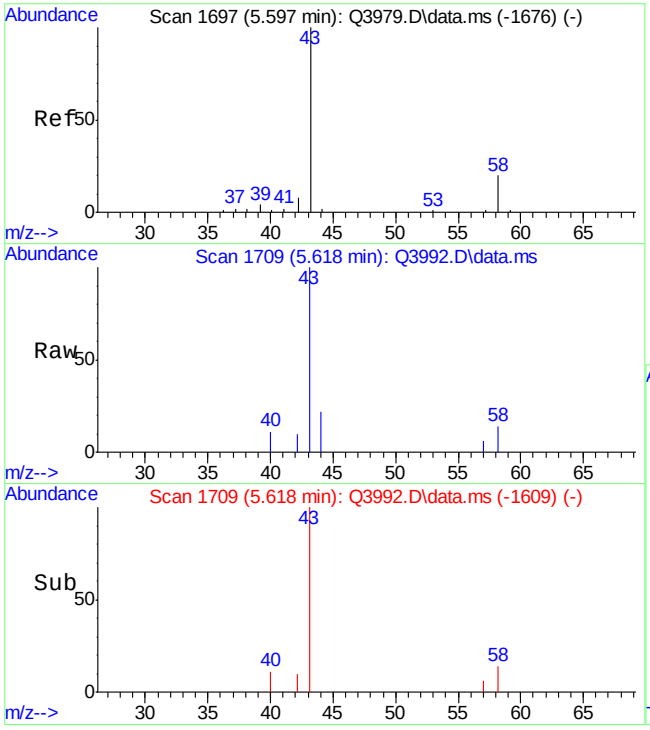
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\
Data File : Q3992.D
Acq On : 17 Jul 2007 2:27 pm
Operator : danat
Sample : scc (M004)
Misc : MS13893, MSQ214,,,,,1
ALS Vial : 10 Sample Multiplier: 1

Quant Time: Jul 18 08:54:17 2007
Quant Method : C:\msdchem\1\METHODS\Q071607T.m
Quant Title : TO15 by GCMS w/DB-1 60 m X .25 mm ID 1.0 um
QLast Update : Tue Jul 17 08:27:00 2007
Response via : Initial Calibration

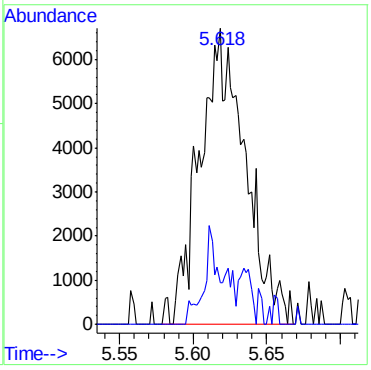


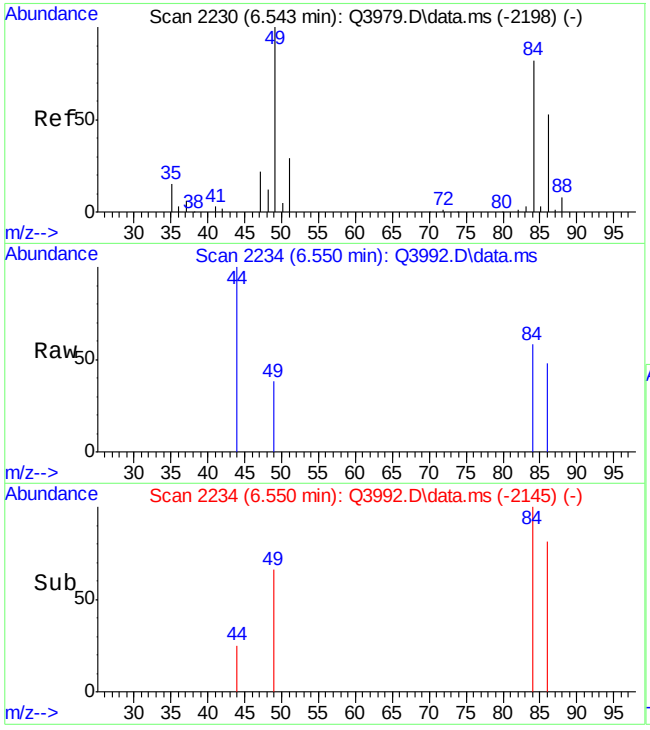


#12
ACETONE
Concen: 0.63 PPBV
RT: 5.618 min Scan# 1709
Delta R.T. 0.022 min
Lab File: Q3992.D
Acq: 17 Jul 2007 2:27 pm

Tgt Ion: 43 Resp: 14541

Ion	Ratio	Lower	Upper
43	100		
58	13.2	4.0	44.0

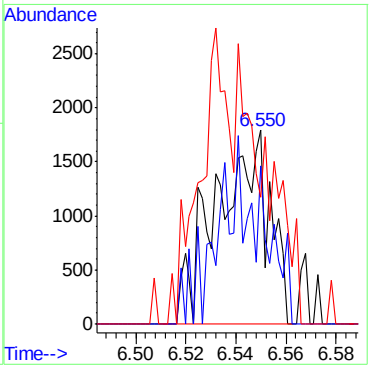




#18
METHYLENE CHLORIDE
Concen: 0.35 PPBV m
RT: 6.550 min Scan# 2234
Delta R.T. 0.008 min
Lab File: Q3992.D
Acq: 17 Jul 2007 2:27 pm

Tgt Ion: 84 Resp: 2616

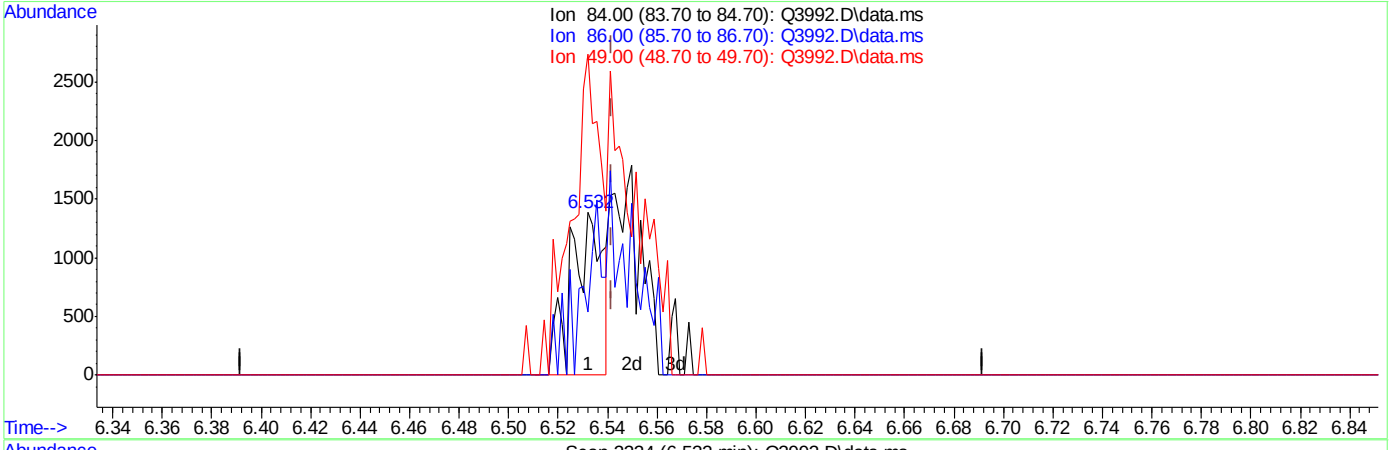
Ion	Ratio	Lower	Upper
84	100		
86	44.2	45.0	85.0#
49	169.0	0.0	327.5

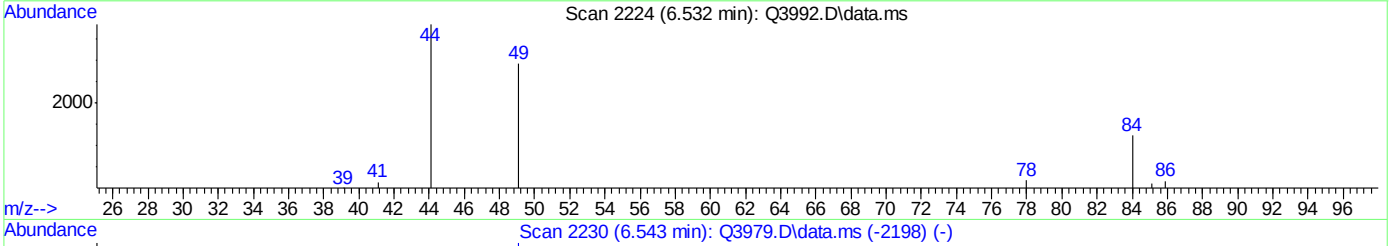


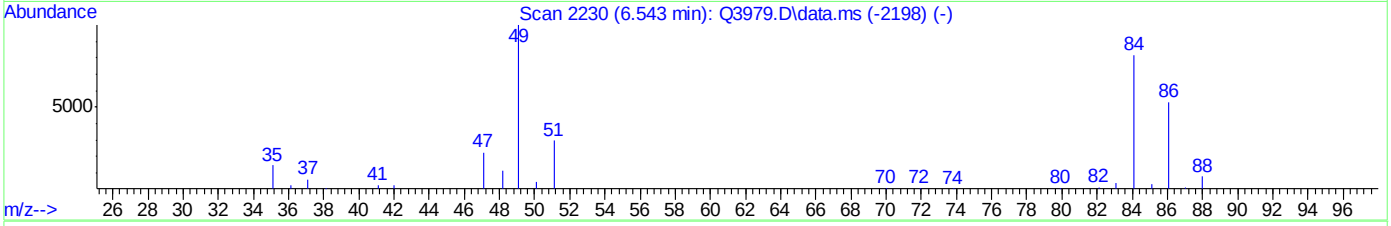
Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\
Data File : Q3992.D
Acq On : 17 Jul 2007 2:27 pm
Operator : danat
Sample : scc (M004)
Misc : MS13893, MSQ214,,,,,1
ALS Vial : 10 Sample Multiplier: 1

Quant Time: Jul 17 14:53:45 2007
Quant Method : C:\msdchem\1\METHODS\Q071607T.m
Quant Title : TO15 by GCMS w/DB-1 60 m X .25 mm ID 1.0 um
QLast Update : Tue Jul 17 08:27:00 2007
Response via : Initial Calibration







TIC: Q3992.D\data.ms

(18) METHYLENE CHLORIDE (m)

6.532min (-0.010) 0.29PPBV

response 1201

Ion	Exp%	Act%
84.00	100	100
86.00	65.00	96.25#
49.00	127.50	368.19#
0.00	0.00	0.00

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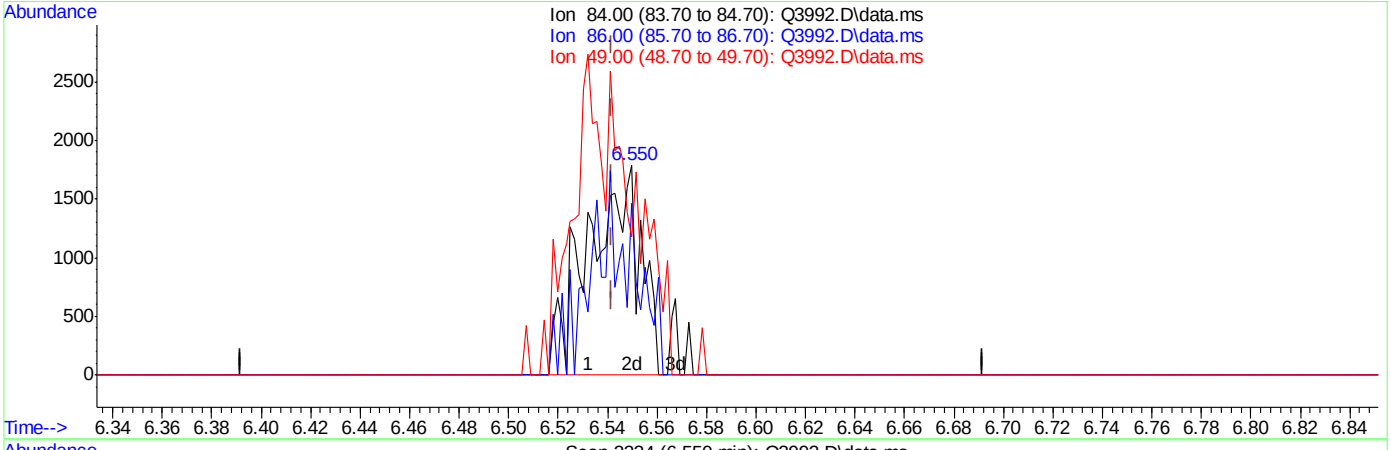
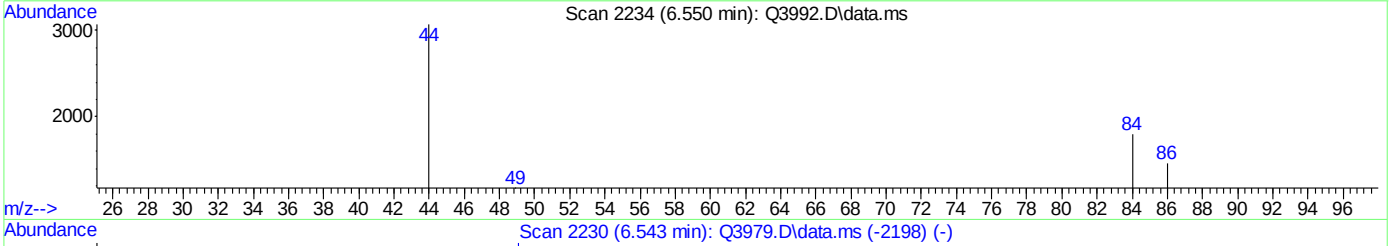
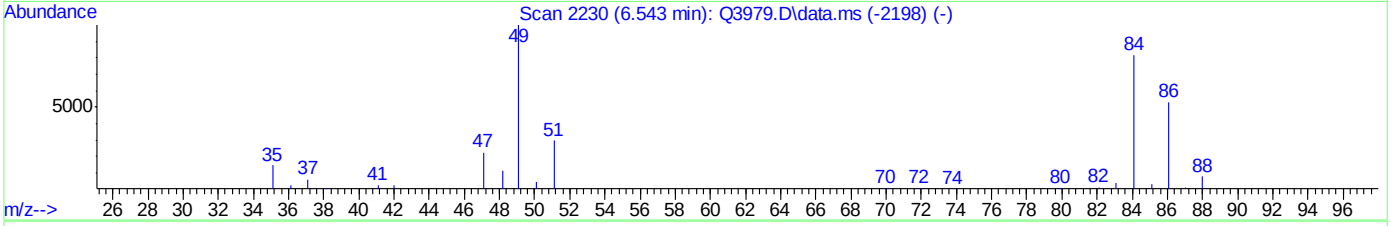
Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\
Data File : Q3992.D
Acq On : 17 Jul 2007 2:27 pm
Operator : danat
Sample : scc (M004)
Misc : MS13893, MSQ214,,,,,1
ALS Vial : 10 Sample Multiplier: 1

Quant Time: Jul 17 14:53:45 2007
Quant Method : C:\msdchem\1\METHODS\Q071607T.m
Quant Title : TO15 by GCMS w/DB-1 60 m X .25 mm ID 1.0 um
QLast Update : Tue Jul 17 08:27:00 2007
Response via : Initial Calibration







TIC: Q3992.D\data.ms

(18) METHYLENE CHLORIDE (m)

6.550min (+0.008) 0.35PPBV m

response 2616

Ion	Exp%	Act%
84.00	100	100
86.00	65.00	44.19#
49.00	127.50	169.04
0.00	0.00	0.00

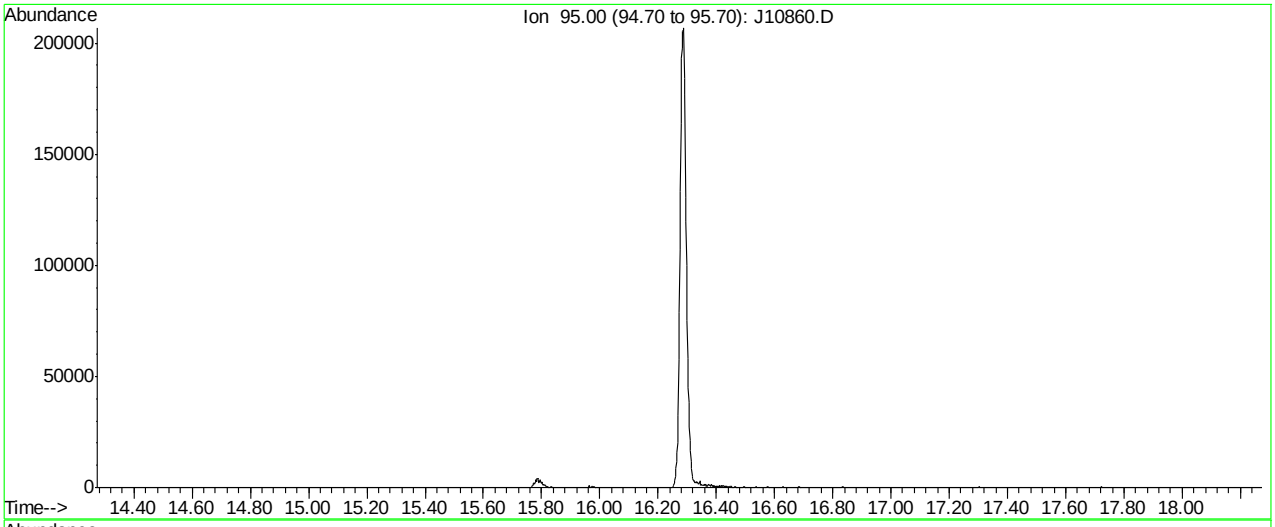
ACCUTEST Laboratories
M66801

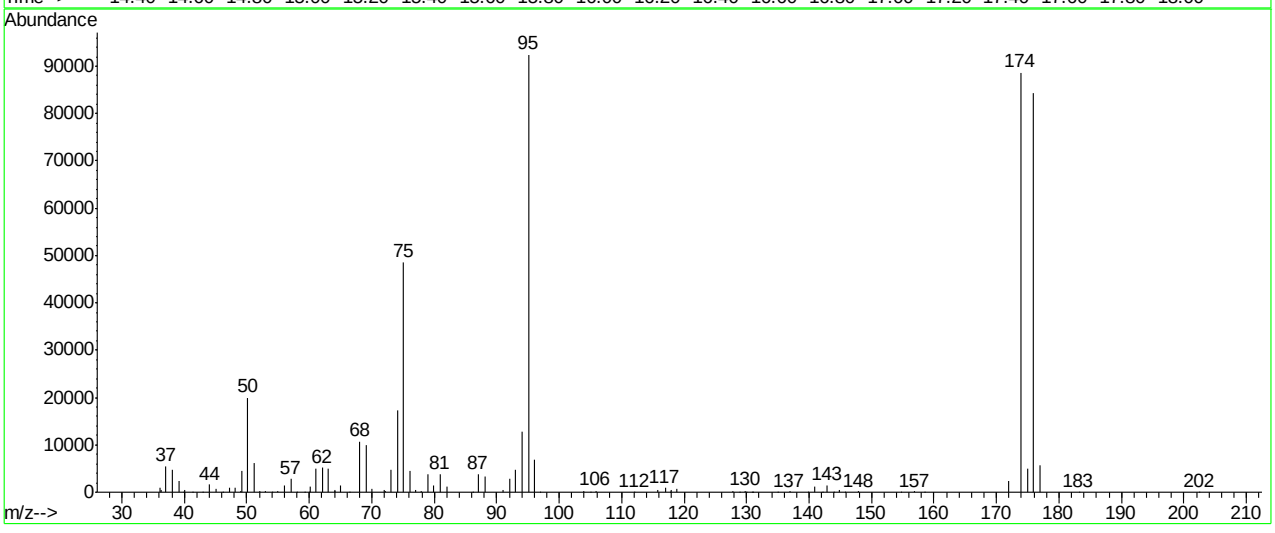
BFB

Data File : C:\MSDChem\1\data\J10860.D
Acq On : 5 Jul 2007 10:47 am
Sample : ic562-0.5 (M210)
Misc : MS13866, MSJ562,,,,,1
MS Integration Params: LSCINT.P

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

Method : C:\MSDCHEM\1\METHODS\J070507T.M (RTE Integrator)
Title : TO15 by GCMS w/DB-1 60 m X .25 mm ID 1.0 um





Spectrum Information: Average of 16.267 to 16.281 min.

Target Mass	Rel. to Mass	Lower Limit%	Upper Limit%	Rel. Abn%	Raw Abn	Result Pass/Fail
50	95	8	40	21.6	19975	PASS
75	95	30	66	52.6	48614	PASS
95	95	100	100	100.0	92470	PASS
96	95	5	9	7.5	6965	PASS
173	174	0.00	2	0.0	0	PASS
174	95	50	120	95.9	88639	PASS
175	174	4	9	5.5	4877	PASS
176	174	93	101	95.2	84398	PASS
177	176	5	9	6.8	5762	PASS

J10860.D J070507T.M Fri Jul 06 11:16:24 2007

Average of 16.267 to 16.281 min.: J10860.D
ic562-0.5 (M210)

m/z	abund.	m/z	abund.	m/z	abund.	m/z	abund.
36.05	948	46.15	117	56.05	1504	65.05	1477
36.20	368	47.15	923	57.05	2744	66.50	53
37.05	5479	48.10	846	58.00	66	68.10	10723
38.10	4787	49.00	136	59.20	53	69.05	9860
39.15	2418	49.15	4497	59.90	47	70.05	733
39.90	110	50.10	19975	60.15	1104	71.95	491
40.05	434	51.10	6182	61.05	4889	72.15	320
41.30	54	52.05	209	62.10	5122	73.05	4851
42.90	50	53.05	216	63.05	5052	74.10	17352
44.05	1605	54.00	53	64.00	261	75.10	48614
45.05	830	54.95	203	64.15	475	76.05	4618

Average of 16.267 to 16.281 min.: J10860.D
ic562-0.5 (M210)

m/z	abund.	m/z	abund.	m/z	abund.	m/z	abund.
77.00	589	93.05	4774	117.70	53	139.80	57
77.95	250	94.10	12748	117.90	366	140.85	1127
78.95	3875	95.05	92470	118.90	736	142.10	53
79.95	1448	96.05	6965	127.85	316	142.95	1513
80.95	3812	97.00	71	128.80	50	144.00	44
81.95	1227	103.95	277	129.80	342	144.90	529
86.20	92	104.95	91	130.00	58	145.80	74
87.00	3901	105.90	345	130.80	62	147.90	138
88.05	3396	112.05	126	131.00	53	154.80	103
90.95	372	115.85	390	134.90	54	156.95	162
92.05	2789	116.95	877	136.90	139	158.50	49

Average of 16.267 to 16.281 min.: J10860.D
ic562-0.5 (M210)

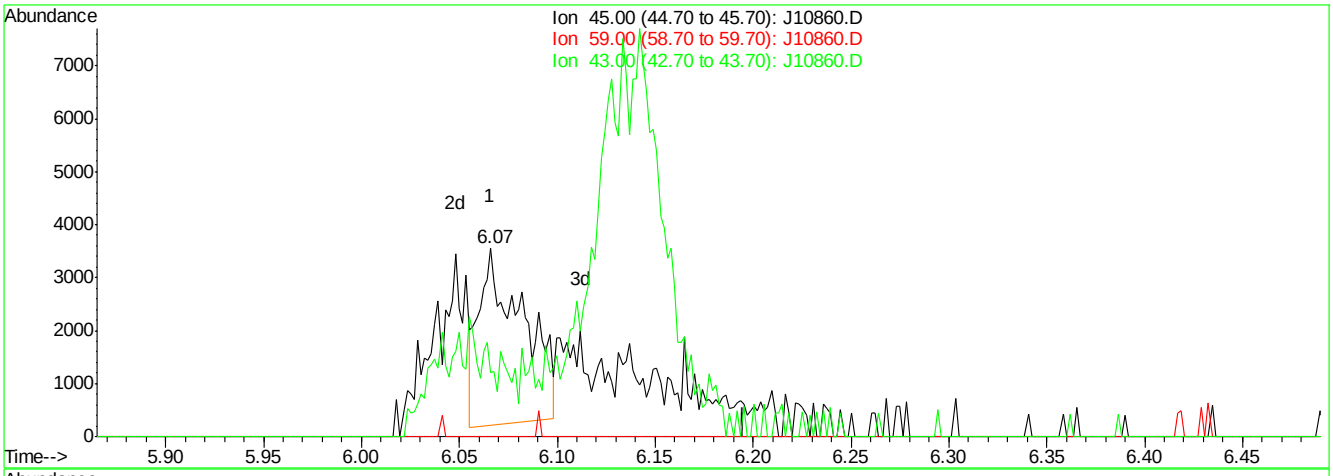
m/z	abund.	m/z	abund.	m/z	abund.	m/z	abund.
171.95	2479						
173.90	88639						
175.00	4877						
175.90	84398						
176.95	5762						
183.20	45						
202.50	46						

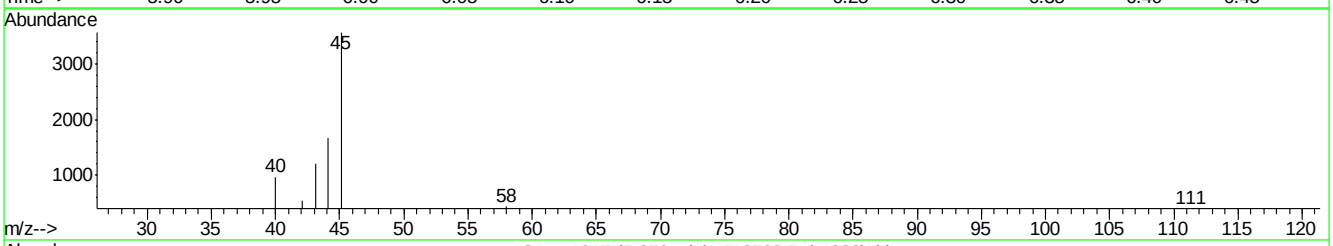
Quantitation Report (Qedit)

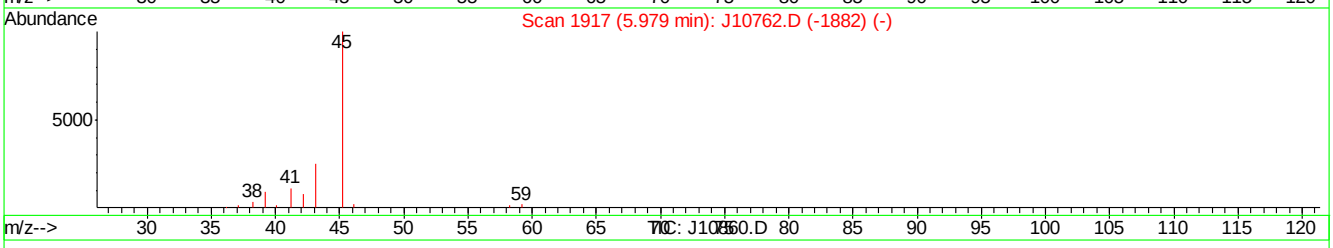
Data File : C:\MSDChem\1\data\J10860.D Vial: 1
Acq On : 5 Jul 2007 10:47 am Operator: danat
Sample : ic562-0.5 (M210) Inst : MSJ
Misc : MS13866, MSJ562,,,,,1 Multiplr: 1.00
MS Integration Params: LSCINT.P

Quant Time: Jul 05 11:24:40 2007 Results File: J070507T.RES

Method : C:\MSDCHEM\1\METHODS\J070507T.M (RTE Integrator)
Title : TO15 by GCMS w/DB-1 60 m X .25 mm ID 1.0 um
Last Update : Thu Jul 05 11:24:31 2007
Response via : Multiple Level Calibration







(11) ISOPROPYL ALCOHOL (m)

6.07min 0.15PPBV

response 5209

Ion	Exp%	Act%
45.00	100	100
59.00	2.20	0.00
43.00	25.50	34.10
0.00	0.00	0.00

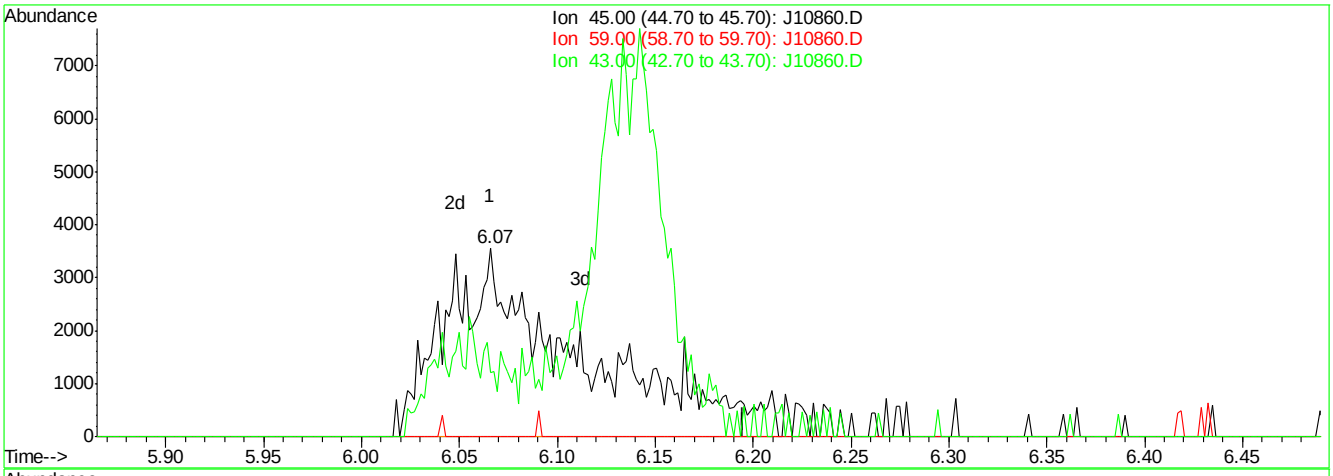
J10860.D J070507T.M Thu Jul 05 11:26:38 2007

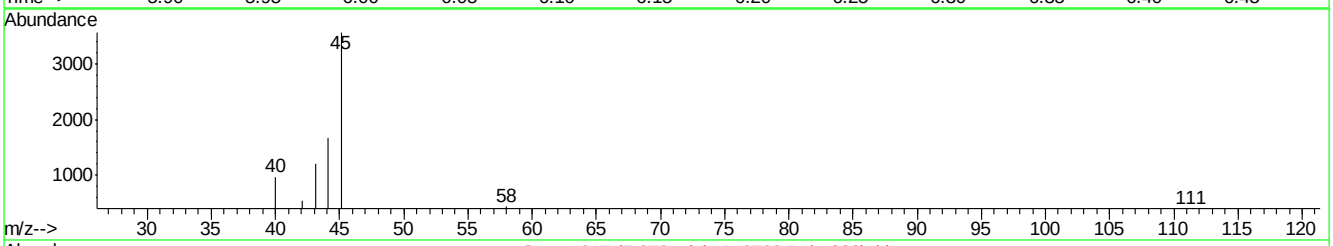
Quantitation Report (Qedit)

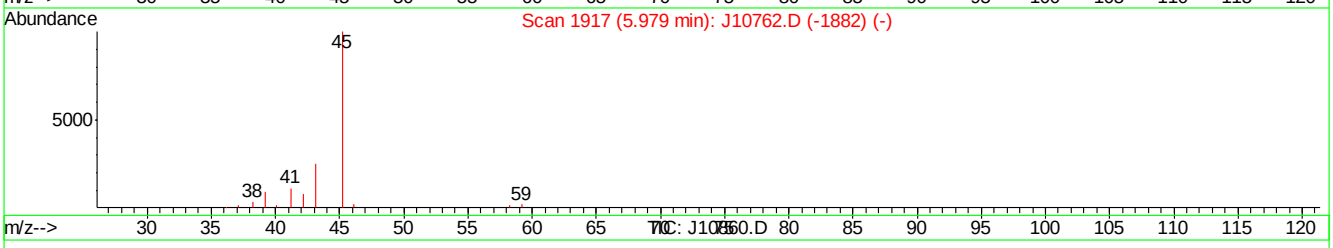
Data File : C:\MSDChem\1\data\J10860.D Vial: 1
Acq On : 5 Jul 2007 10:47 am Operator: danat
Sample : ic562-0.5 (M210) Inst : MSJ
Misc : MS13866, MSJ562,,,,,1 Multiplr: 1.00
MS Integration Params: LSCINT.P

Quant Time: Jul 05 11:24:40 2007 Results File: J070507T.RES

Method : C:\MSDCHEM\1\METHODS\J070507T.M (RTE Integrator)
Title : TO15 by GCMS w/DB-1 60 m X .25 mm ID 1.0 um
Last Update : Thu Jul 05 11:24:31 2007
Response via : Multiple Level Calibration







(11) ISOPROPYL ALCOHOL (m)

6.07min 0.47PPBV m

response 16583

Ion	Exp%	Act%
45.00	100	100
59.00	2.20	0.00
43.00	25.50	34.10
0.00	0.00	0.00

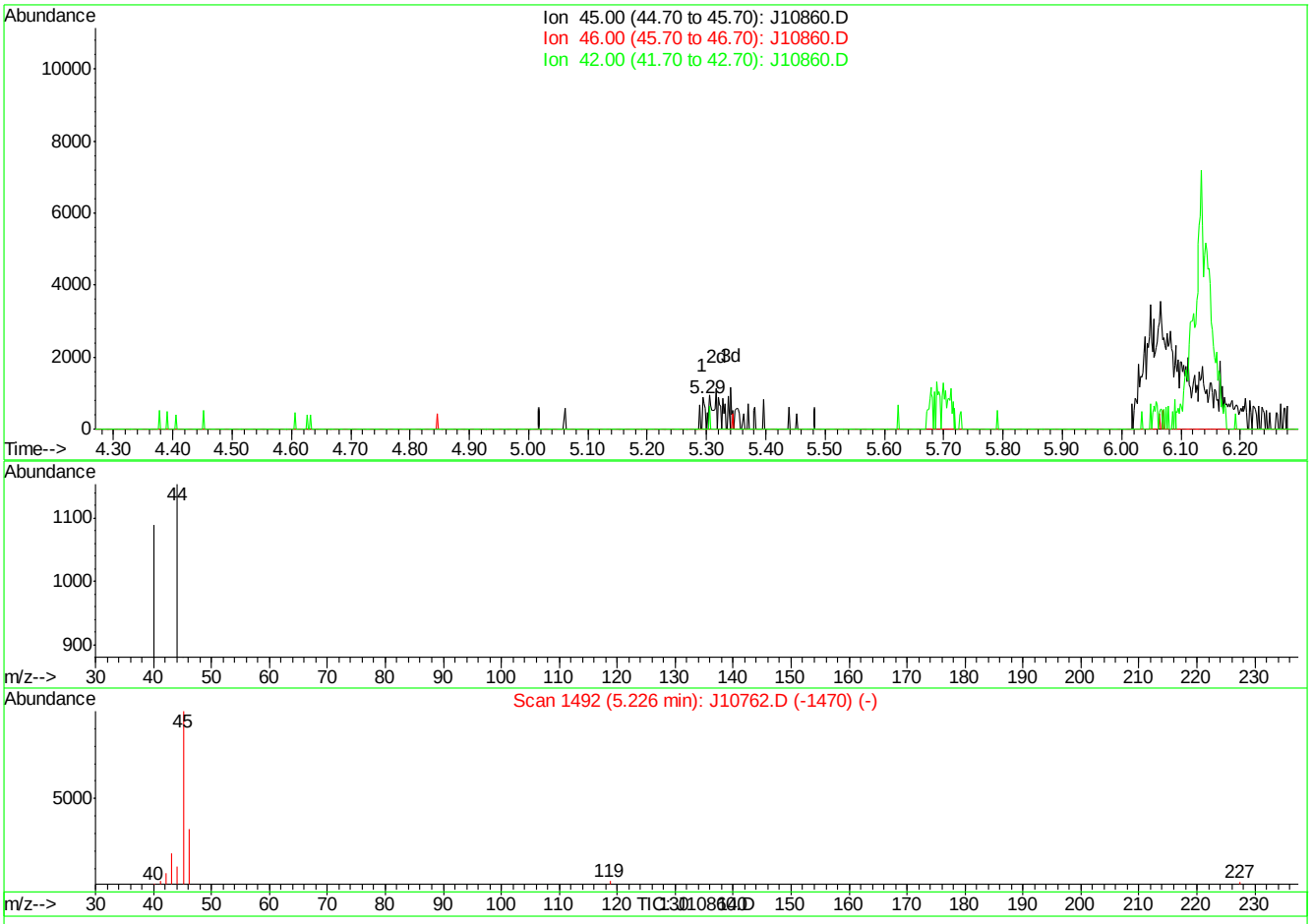
J10860.D J070507T.M Thu Jul 05 11:26:48 2007

Quantitation Report (Qedit)

Data File : C:\MSDChem\1\data\J10860.D Vial: 1
Acq On : 5 Jul 2007 10:47 am Operator: danat
Sample : ic562-0.5 (M210) Inst : MSJ
Misc : MS13866, MSJ562,,,,,1 Multiplr: 1.00
MS Integration Params: LSCINT.P

Quant Time: Jul 05 11:24:40 2007 Results File: J070507T.RES

Method : C:\MSDCHEM\1\METHODS\J070507T.M (RTE Integrator)
Title : TO15 by GCMS w/DB-1 60 m X .25 mm ID 1.0 um
Last Update : Thu Jul 05 11:24:31 2007
Response via : Multiple Level Calibration



(16) ETHANOL (m)

5.29min 0.05PPBV

response 306

Ion	Exp%	Act%
45.00	100	100
46.00	34.30	0.00#
42.00	3.50	0.00
0.00	0.00	0.00

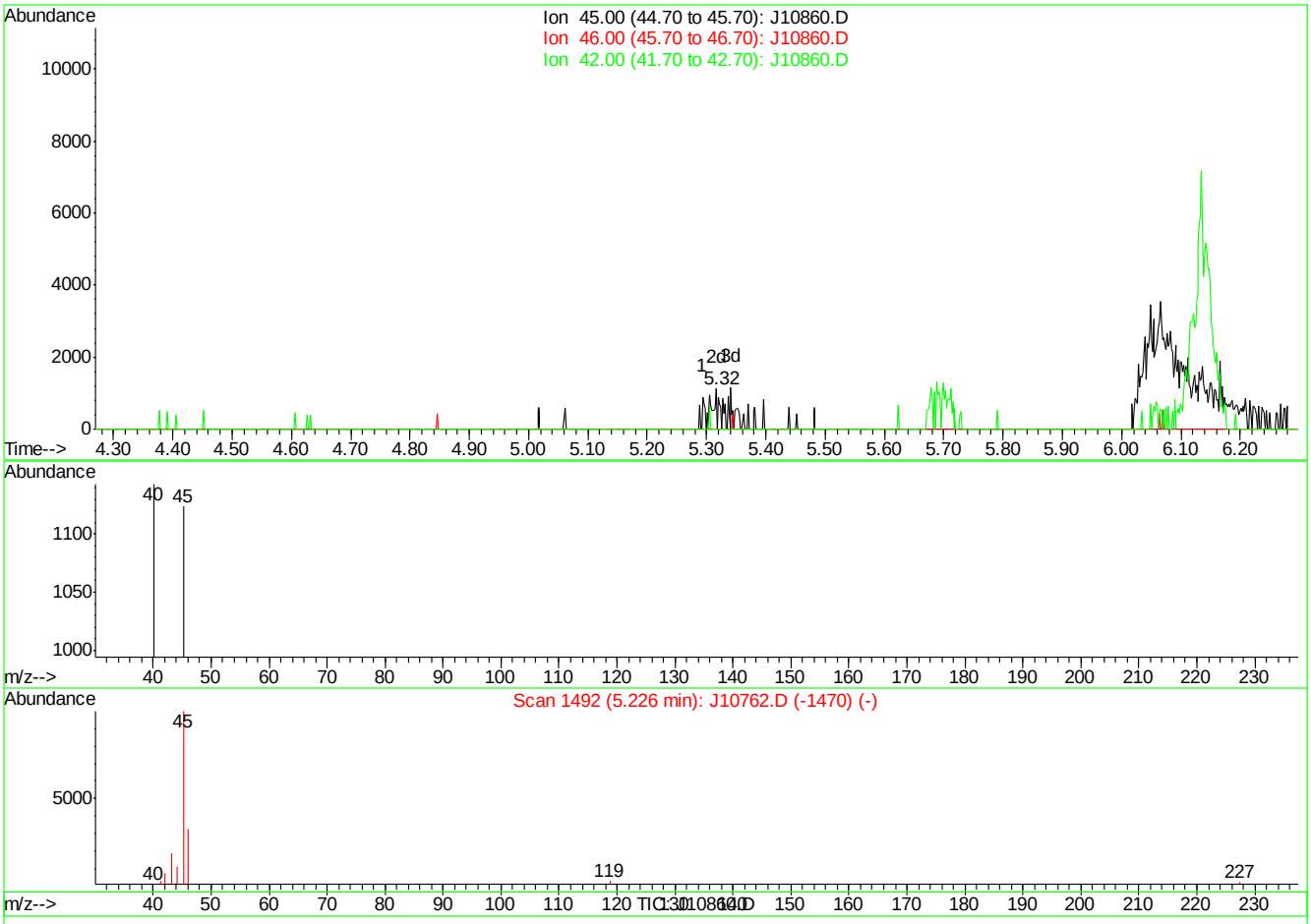
J10860.D J070507T.M Thu Jul 05 11:26:56 2007

Quantitation Report (Qedit)

Data File : C:\MSDChem\1\data\J10860.D Vial: 1
Acq On : 5 Jul 2007 10:47 am Operator: danat
Sample : ic562-0.5 (M210) Inst : MSJ
Misc : MS13866, MSJ562,,,,,1 Multiplr: 1.00
MS Integration Params: LSCINT.P

Quant Time: Jul 05 11:24:40 2007 Results File: J070507T.RES

Method : C:\MSDCHEM\1\METHODS\J070507T.M (RTE Integrator)
Title : TO15 by GCMS w/DB-1 60 m X .25 mm ID 1.0 um
Last Update : Thu Jul 05 11:24:31 2007
Response via : Multiple Level Calibration



(16) ETHANOL (m)

5.32min 0.14PPBV m

response 847

Ion	Exp%	Act%
45.00	100	100
46.00	34.30	0.00#
42.00	3.50	0.00
0.00	0.00	0.00

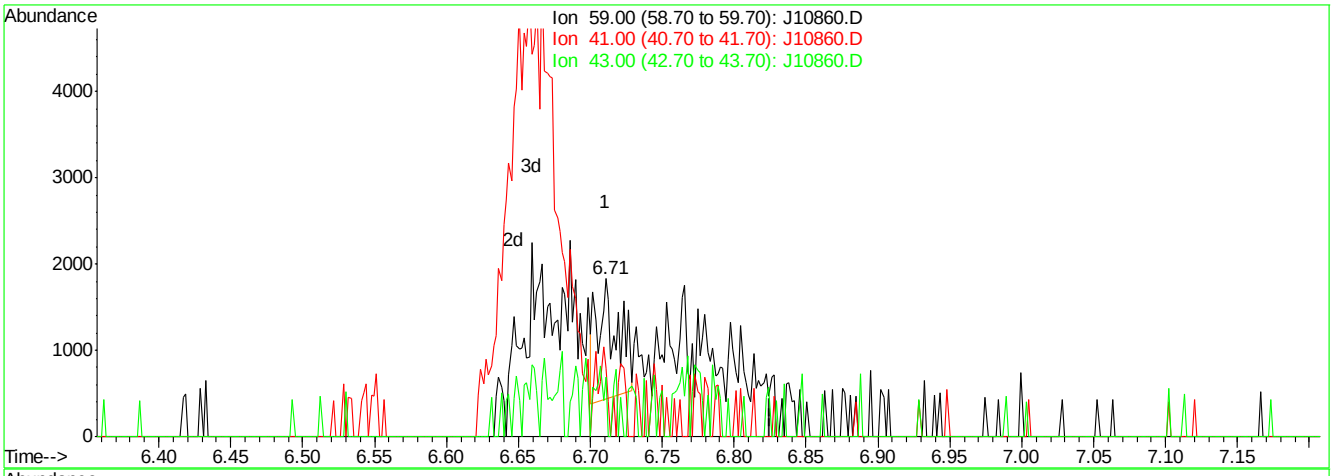
J10860.D J070507T.M Thu Jul 05 11:27:18 2007

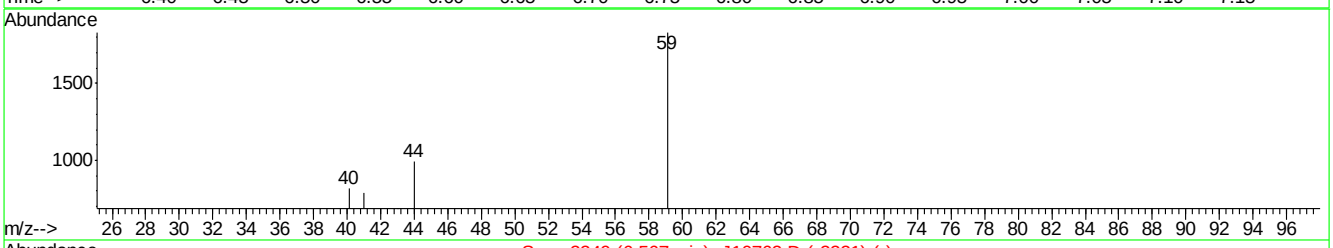
Quantitation Report (Qedit)

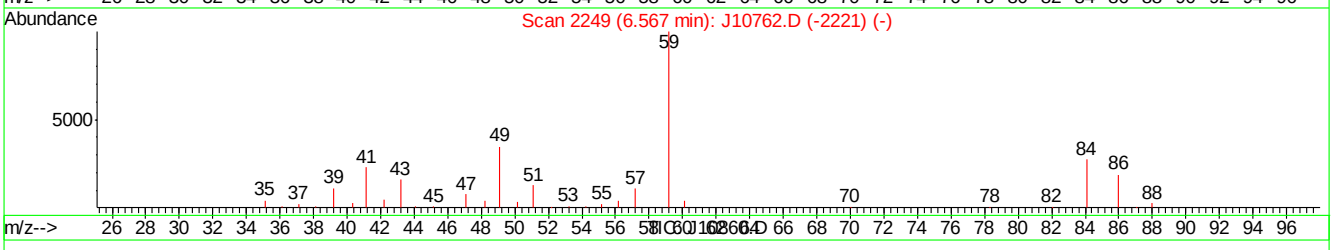
Data File : C:\MSDChem\1\data\J10860.D Vial: 1
Acq On : 5 Jul 2007 10:47 am Operator: danat
Sample : ic562-0.5 (M210) Inst : MSJ
Misc : MS13866, MSJ562,,,,,1 Multiplr: 1.00
MS Integration Params: LSCINT.P

Quant Time: Jul 05 11:24:40 2007 Results File: J070507T.RES

Method : C:\MSDCHEM\1\METHODS\J070507T.M (RTE Integrator)
Title : TO15 by GCMS w/DB-1 60 m X .25 mm ID 1.0 um
Last Update : Thu Jul 05 11:24:31 2007
Response via : Multiple Level Calibration







(22) TERTIARY BUTYL ALCOHOL (m)

6.71min 0.03PPBV

response 1343

Ion	Exp%	Act%
59.00	100	100
41.00	22.00	37.97
43.00	17.20	28.82
0.00	0.00	0.00

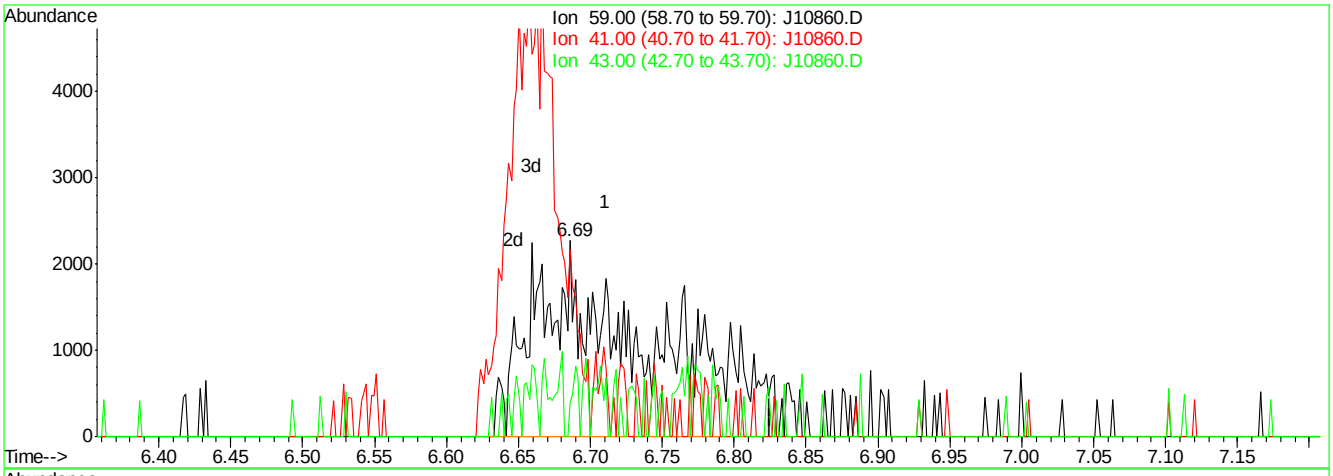
J10860.D J070507T.M Thu Jul 05 11:27:29 2007

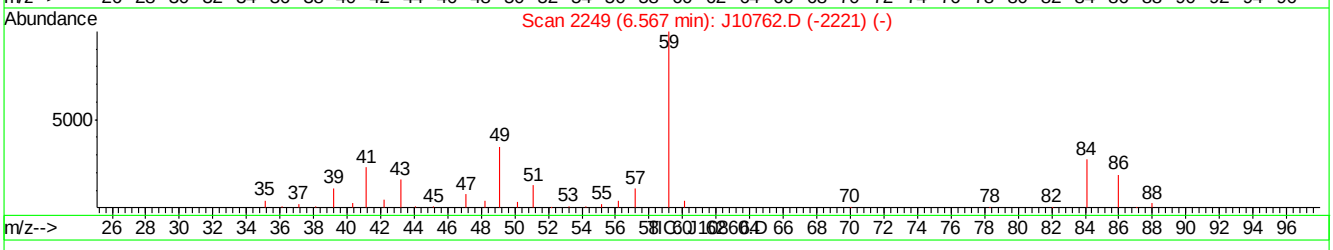
Quantitation Report (Qedit)

Data File : C:\MSDChem\1\data\J10860.D Vial: 1
Acq On : 5 Jul 2007 10:47 am Operator: danat
Sample : ic562-0.5 (M210) Inst : MSJ
Misc : MS13866, MSJ562,,,,,1 Multiplr: 1.00
MS Integration Params: LSCINT.P

Quant Time: Jul 05 11:24:40 2007 Results File: J070507T.RES

Method : C:\MSDCHEM\1\METHODS\J070507T.M (RTE Integrator)
Title : TO15 by GCMS w/DB-1 60 m X .25 mm ID 1.0 um
Last Update : Thu Jul 05 11:24:31 2007
Response via : Multiple Level Calibration





(22) TERTIARY BUTYL ALCOHOL (m)

6.69min 0.32PPBV m

response 12447

Ion	Exp%	Act%
59.00	100	100
41.00	22.00	4.10
43.00	17.20	3.11
0.00	0.00	0.00

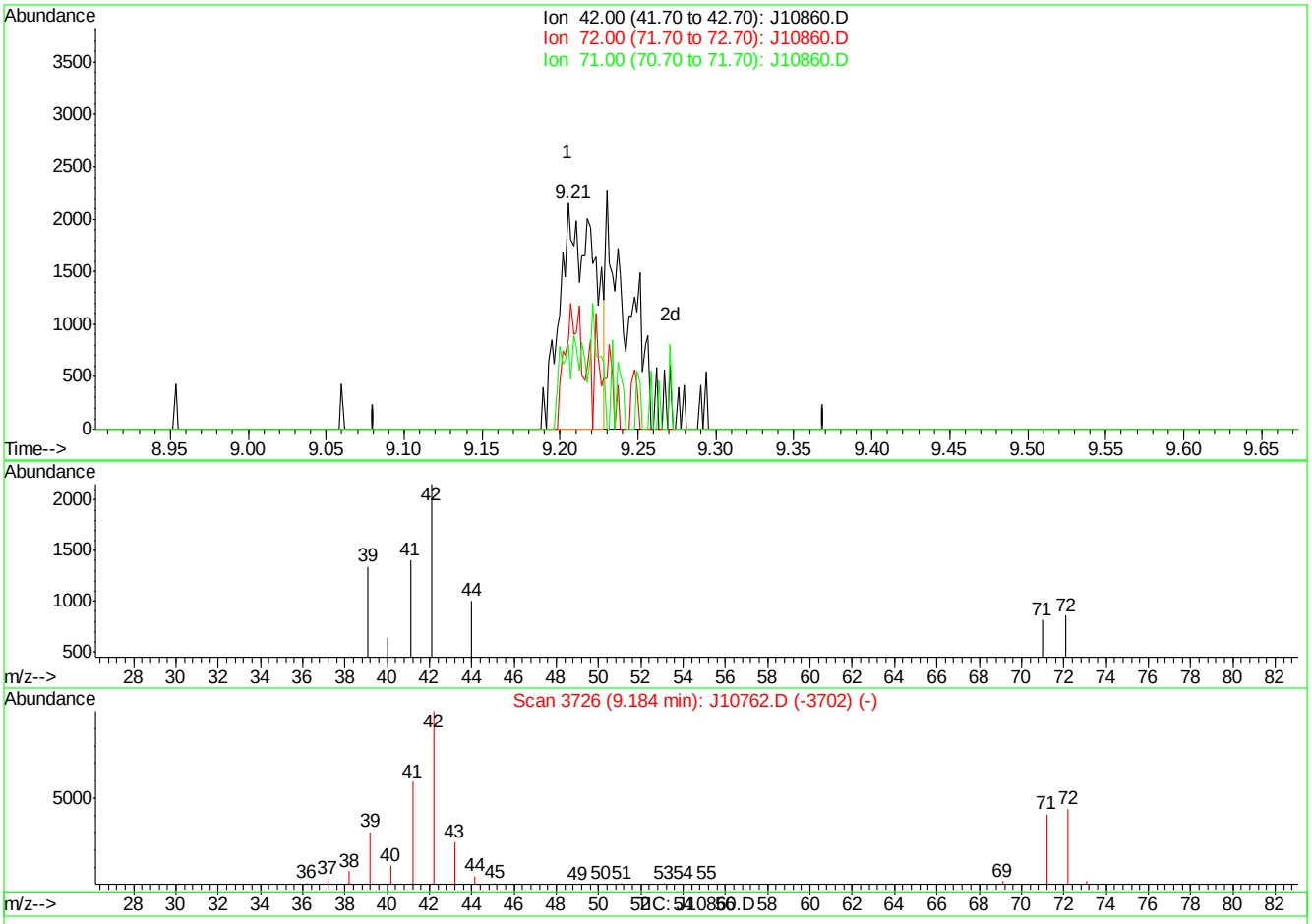
J10860.D J070507T.M Thu Jul 05 11:27:45 2007

Quantitation Report (Qedit)

Data File : C:\MSDChem\1\data\J10860.D Vial: 1
Acq On : 5 Jul 2007 10:47 am Operator: danat
Sample : ic562-0.5 (M210) Inst : MSJ
Misc : MS13866, MSJ562,,,,,1 Multiplr: 1.00
MS Integration Params: LSCINT.P

Quant Time: Jul 05 11:24:40 2007 Results File: J070507T.RES

Method : C:\MSDCHEM\1\METHODS\J070507T.M (RTE Integrator)
Title : TO15 by GCMS w/DB-1 60 m X .25 mm ID 1.0 um
Last Update : Thu Jul 05 11:24:31 2007
Response via : Multiple Level Calibration



(24) TETRAHYDROFURAN (m)

9.21min 0.19PPBV

response 3316

Ion	Exp%	Act%
42.00	100	100
72.00	46.60	29.98
71.00	46.70	12.03#
0.00	0.00	0.00

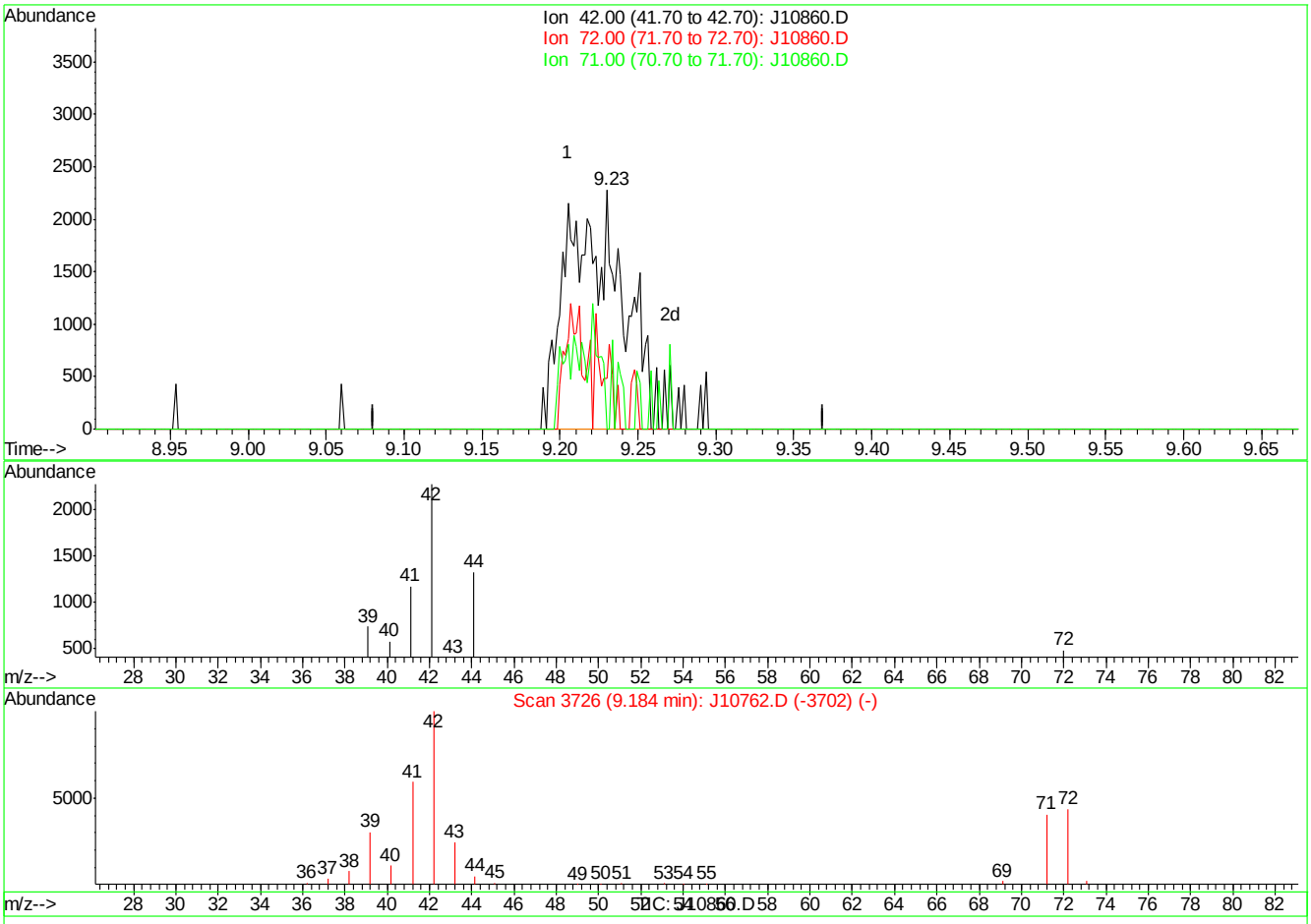
J10860.D J070507T.M Thu Jul 05 11:27:51 2007

Quantitation Report (Qedit)

Data File : C:\MSDChem\1\data\J10860.D Vial: 1
Acq On : 5 Jul 2007 10:47 am Operator: danat
Sample : ic562-0.5 (M210) Inst : MSJ
Misc : MS13866, MSJ562,,,,,1 Multiplr: 1.00
MS Integration Params: LSCINT.P

Quant Time: Jul 05 11:24:40 2007 Results File: J070507T.RES

Method : C:\MSDCHEM\1\METHODS\J070507T.M (RTE Integrator)
Title : TO15 by GCMS w/DB-1 60 m X .25 mm ID 1.0 um
Last Update : Thu Jul 05 11:24:31 2007
Response via : Multiple Level Calibration



(24) TETRAHYDROFURAN (m)

9.23min 0.30PPBV m

response 5371

Ion	Exp%	Act%
42.00	100	100
72.00	46.60	18.51#
71.00	46.70	7.43#
0.00	0.00	0.00

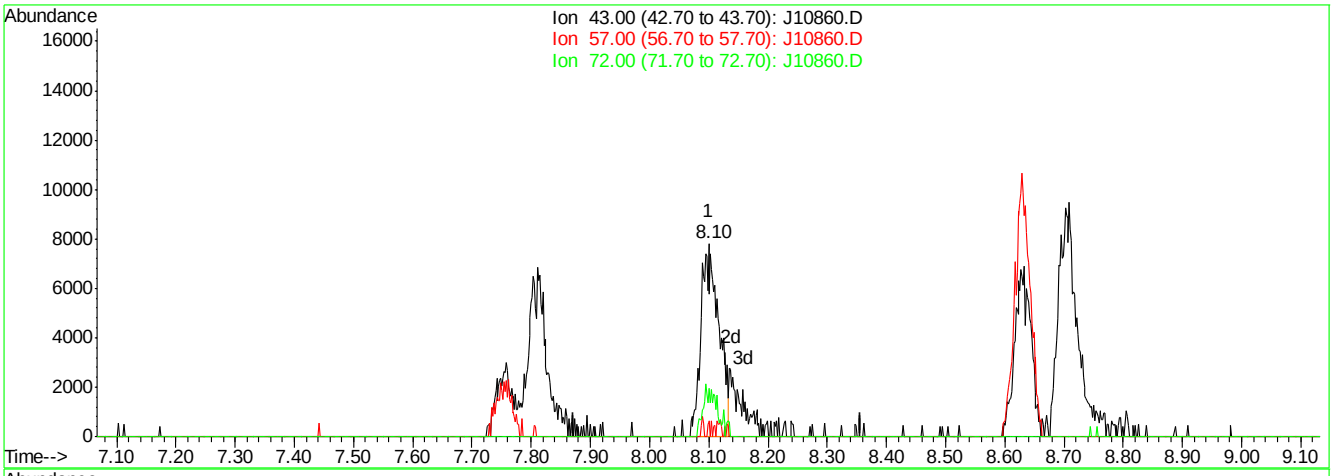
J10860.D J070507T.M Thu Jul 05 11:28:01 2007

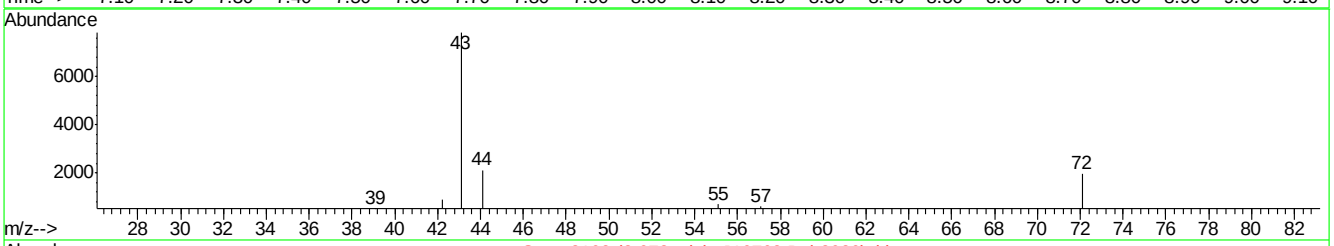
Quantitation Report (Qedit)

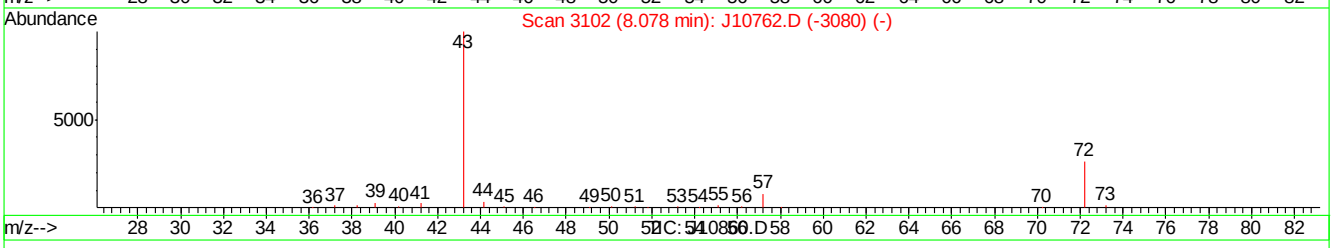
Data File : C:\MSDChem\1\data\J10860.D Vial: 1
Acq On : 5 Jul 2007 10:47 am Operator: danat
Sample : ic562-0.5 (M210) Inst : MSJ
Misc : MS13866, MSJ562,,,,,1 Multiplr: 1.00
MS Integration Params: LSCINT.P

Quant Time: Jul 05 11:24:40 2007 Results File: J070507T.RES

Method : C:\MSDCHEM\1\METHODS\J070507T.M (RTE Integrator)
Title : TO15 by GCMS w/DB-1 60 m X .25 mm ID 1.0 um
Last Update : Thu Jul 05 11:24:31 2007
Response via : Multiple Level Calibration







(28) METHYL ETHYL KETONE (m)

8.10min 0.44PPBV

response 16344

Ion	Exp%	Act%
43.00	100	100
57.00	8.00	7.71
72.00	26.40	24.93
0.00	0.00	0.00

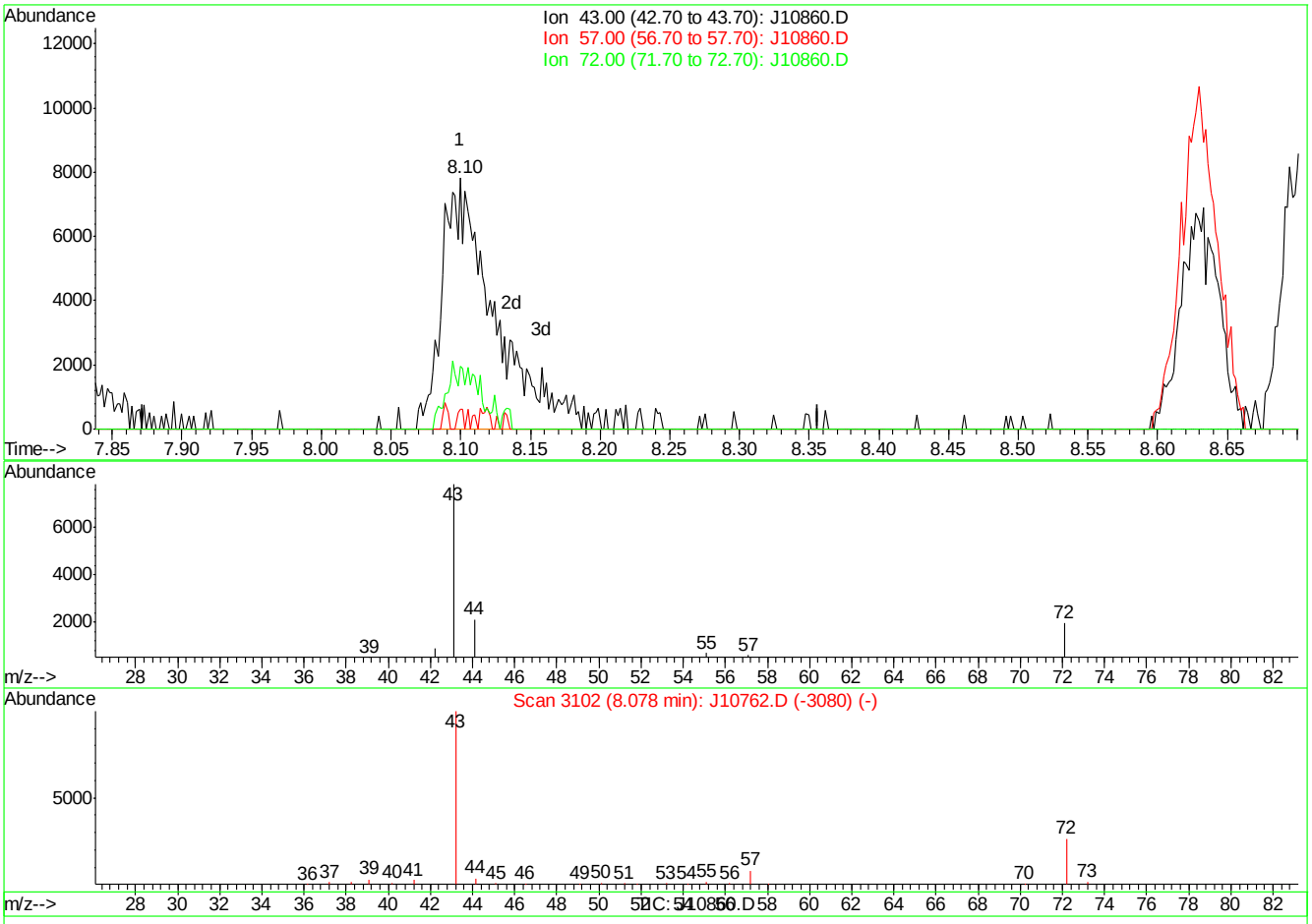
J10860.D J070507T.M Thu Jul 05 11:28:12 2007

Quantitation Report (Qedit)

Data File : C:\MSDChem\1\data\J10860.D Vial: 1
Acq On : 5 Jul 2007 10:47 am Operator: danat
Sample : ic562-0.5 (M210) Inst : MSJ
Misc : MS13866, MSJ562,,,,,1 Multiplr: 1.00
MS Integration Params: LSCINT.P

Quant Time: Jul 05 11:24:40 2007 Results File: J070507T.RES

Method : C:\MSDCHEM\1\METHODS\J070507T.M (RTE Integrator)
Title : TO15 by GCMS w/DB-1 60 m X .25 mm ID 1.0 um
Last Update : Thu Jul 05 11:24:31 2007
Response via : Multiple Level Calibration



(28) METHYL ETHYL KETONE (m)

8.10min 0.54PPBV m

response 20284

Ion	Exp%	Act%
43.00	100	100
57.00	8.00	7.71
72.00	26.40	24.93
0.00	0.00	0.00

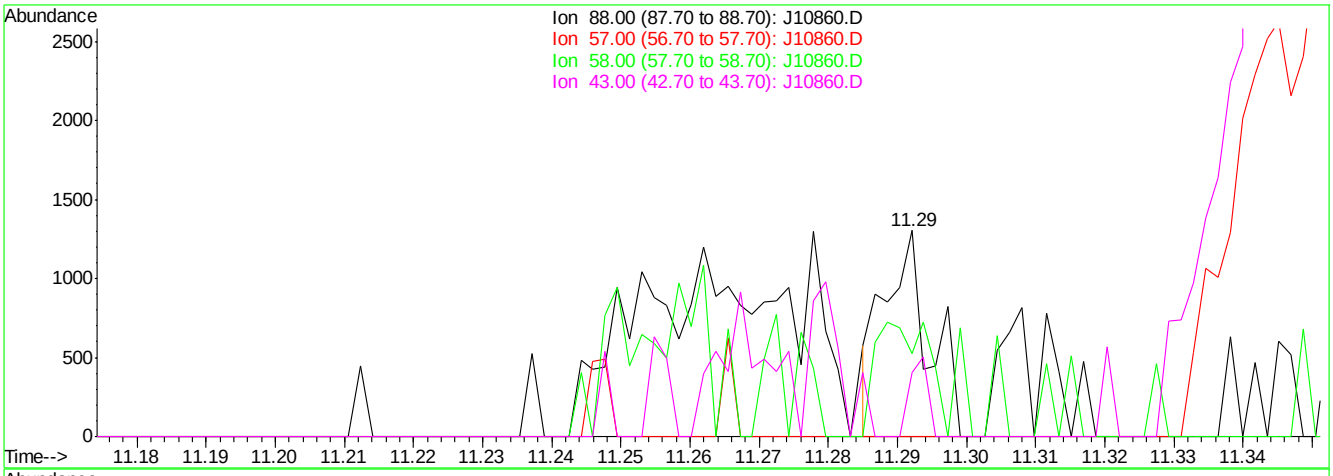
J10860.D J070507T.M Thu Jul 05 11:28:19 2007

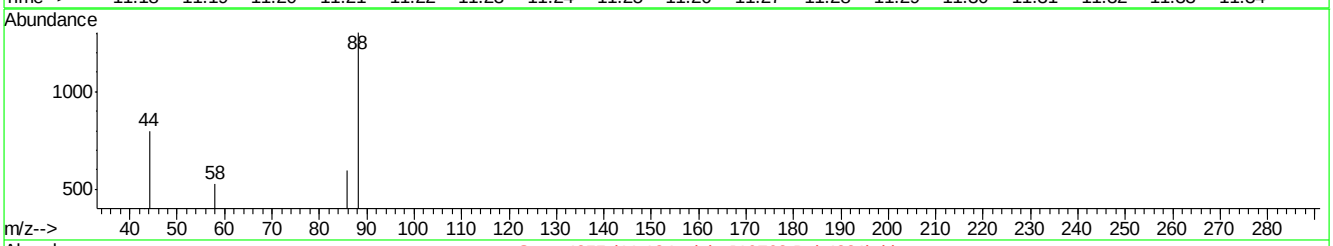
Quantitation Report (Qedit)

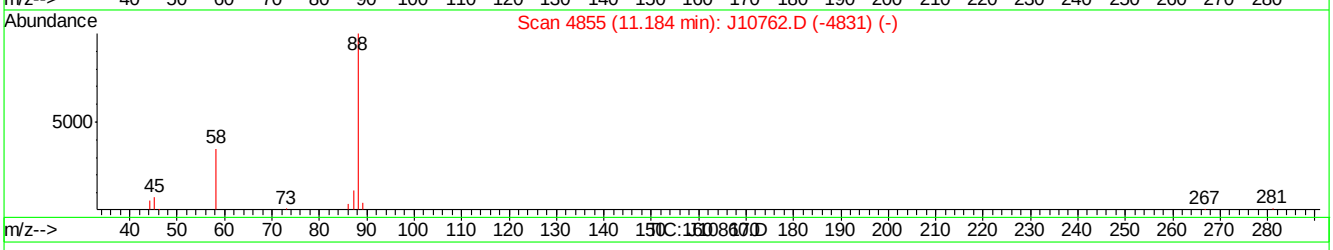
Data File : C:\MSDChem\1\data\J10860.D Vial: 1
Acq On : 5 Jul 2007 10:47 am Operator: danat
Sample : ic562-0.5 (M210) Inst : MSJ
Misc : MS13866, MSJ562,,,,,1 Multiplr: 1.00
MS Integration Params: LSCINT.P

Quant Time: Jul 05 11:24:40 2007 Results File: J070507T.RES

Method : C:\MSDCHEM\1\METHODS\J070507T.M (RTE Integrator)
Title : TO15 by GCMS w/DB-1 60 m X .25 mm ID 1.0 um
Last Update : Thu Jul 05 11:24:31 2007
Response via : Multiple Level Calibration







(42) 1,4-DIOXANE (m)

11.29min 0.05PPBV

response 606

Ion	Exp%	Act%
88.00	100	100
57.00	19.90	0.00
58.00	51.60	40.34
43.00	30.20	30.75

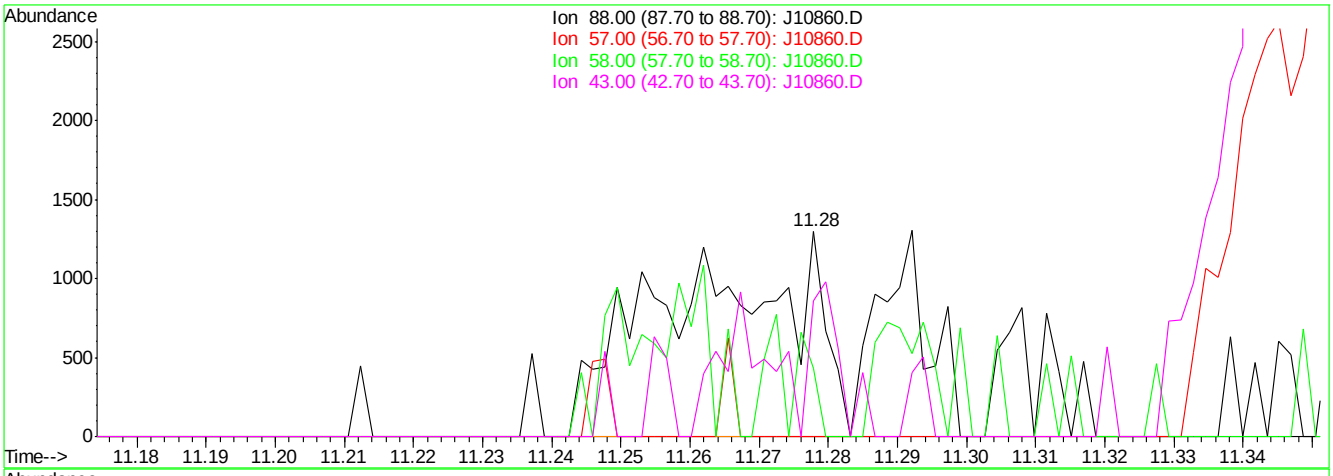
J10860.D J070507T.M Thu Jul 05 11:28:38 2007

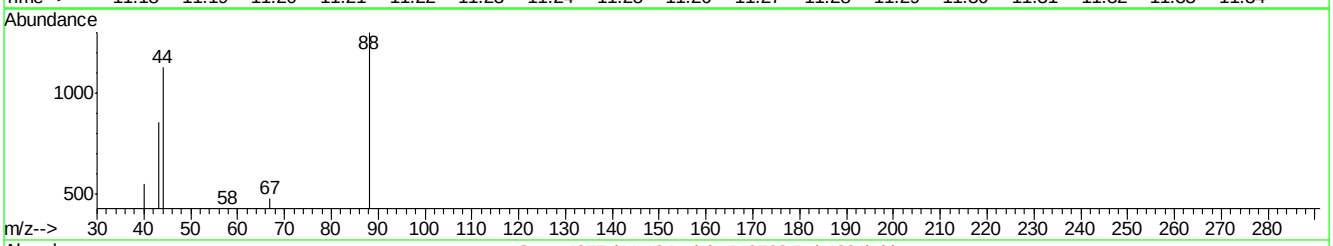
Quantitation Report (Qedit)

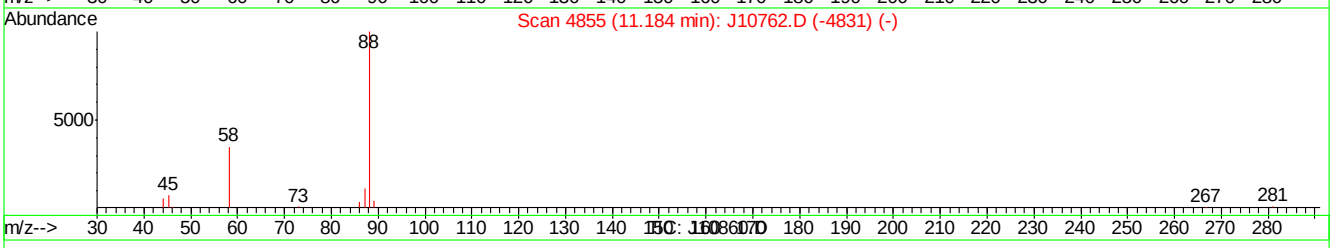
Data File : C:\MSDChem\1\data\J10860.D Vial: 1
Acq On : 5 Jul 2007 10:47 am Operator: danat
Sample : ic562-0.5 (M210) Inst : MSJ
Misc : MS13866, MSJ562,,,,,1 Multiplr: 1.00
MS Integration Params: LSCINT.P

Quant Time: Jul 05 11:24:40 2007 Results File: J070507T.RES

Method : C:\MSDCHEM\1\METHODS\J070507T.M (RTE Integrator)
Title : TO15 by GCMS w/DB-1 60 m X .25 mm ID 1.0 um
Last Update : Thu Jul 05 11:24:31 2007
Response via : Multiple Level Calibration







(42) 1,4-DIOXANE (m)

11.28min 0.16PPBV m

response 1834

Ion	Exp%	Act%
88.00	100	100
57.00	19.90	0.00
58.00	51.60	33.05
43.00	30.20	65.80#

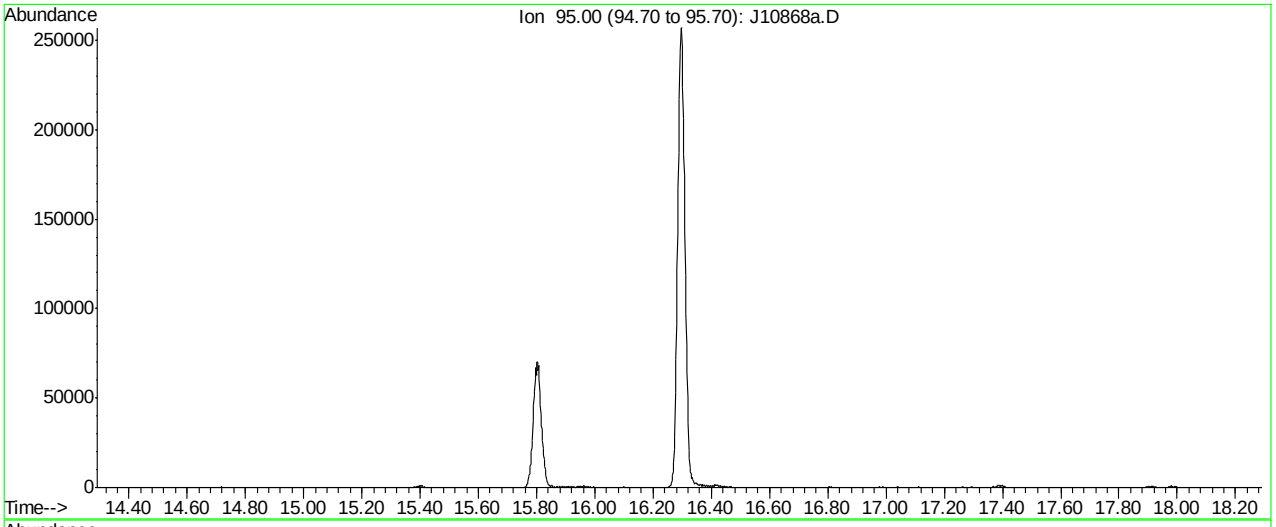
J10860.D J070507T.M Thu Jul 05 11:28:45 2007

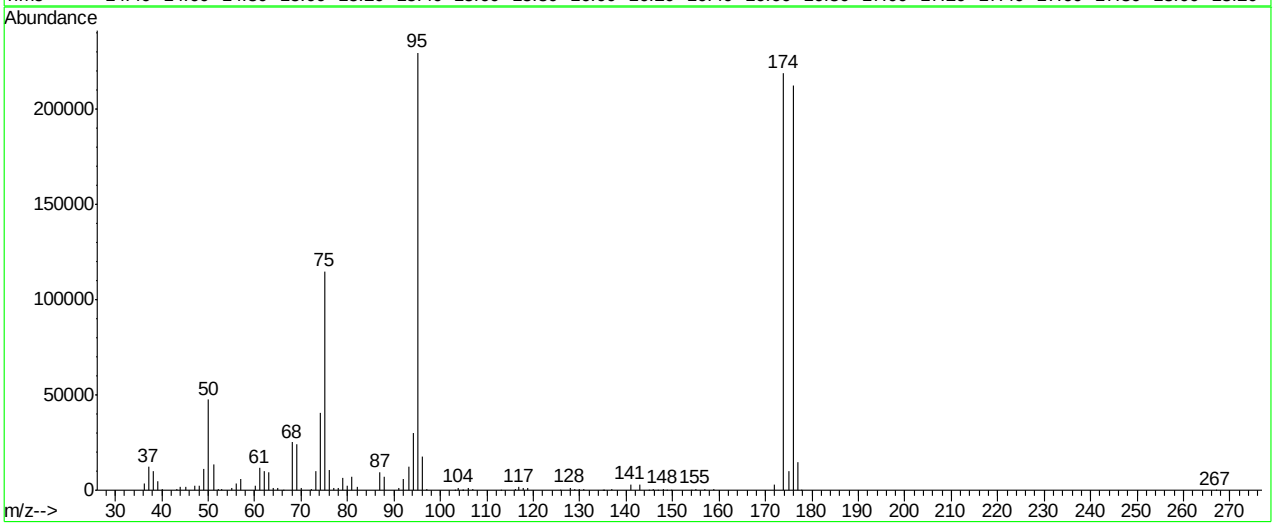
BFB

Data File : C:\MSDCHEM\1\DATA\J10868a.D
Acq On : 5 Jul 2007 5:56 pm
Sample : cc562-10 (M080)
Misc : MS13866, MSJ562,,,,,1
MS Integration Params: LSCINT.P

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

Method : C:\MSDCHEM\1\METHODS\J070507T.M (RTE Integrator)
Title : TO15 by GCMS w/DB-1 60 m X .25 mm ID 1.0 um





Spectrum Information: Average of 16.290 to 16.292 min.

Target Mass	Rel. to Mass	Lower Limit%	Upper Limit%	Rel. Abn%	Raw Abn	Result Pass/Fail
50	95	8	40	20.7	47380	PASS
75	95	30	66	50.0	114612	PASS
95	95	100	100	100.0	229440	PASS
96	95	5	9	7.7	17680	PASS
173	174	0.00	2	0.0	0	PASS
174	95	50	120	95.3	218688	PASS
175	174	4	9	4.6	10052	PASS
176	174	93	101	97.0	212064	PASS
177	176	5	9	6.9	14698	PASS

J10868a.D J070507T.M Fri Jul 06 11:26:31 2007

Average of 16.290 to 16.292 min.: J10868a.D
cc562-10 (M080)

m/z	abund.	m/z	abund.	m/z	abund.	m/z	abund.
36.15	3412	50.10	47380	64.10	1260	77.00	1335
37.10	12154	51.10	13643	65.05	1321	78.10	1201
38.10	9970	52.10	799	66.10	239	79.00	6707
39.10	4941	53.00	331	68.10	25036	80.00	2589
40.00	472	55.10	1054	69.10	24384	80.95	7251
43.20	337	56.10	3487	70.05	1293	82.00	1822
44.00	1650	57.05	5956	72.10	687	87.00	9525
45.15	1794	60.10	2355	73.10	10139	88.00	6804
47.10	2337	61.10	11658	74.10	40736	91.00	1284
48.10	2127	62.10	10203	75.10	114612	92.05	6187
49.10	10942	63.10	9563	76.10	10554	93.10	12261

Average of 16.290 to 16.292 min.: J10868a.D
cc562-10 (M080)

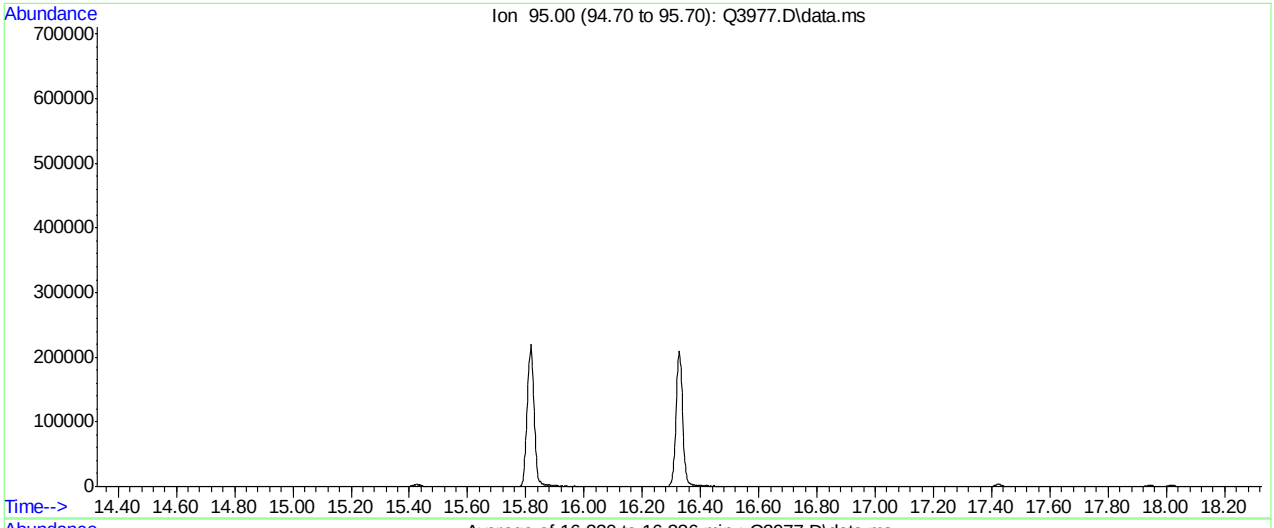
m/z	abund.	m/z	abund.	m/z	abund.	m/z	abund.
94.15	30008	116.05	885	136.85	497	156.95	541
95.10	229440	116.95	1589	140.90	3098	158.85	689
96.10	17680	117.90	1222	142.90	2899	171.90	2894
97.10	647	118.90	1290	144.90	309	173.90	218688
103.00	232	125.90	212	145.80	383	175.00	10052
103.90	1206	127.90	1322	146.90	286	175.90	212064
104.70	279	128.90	337	147.90	730	176.90	14698
104.90	298	129.85	840	148.80	255	177.70	204
105.95	1122	130.80	323	149.80	228	266.90	223
107.00	339	134.90	216	154.10	200		
113.10	223	135.20	305	154.90	748		

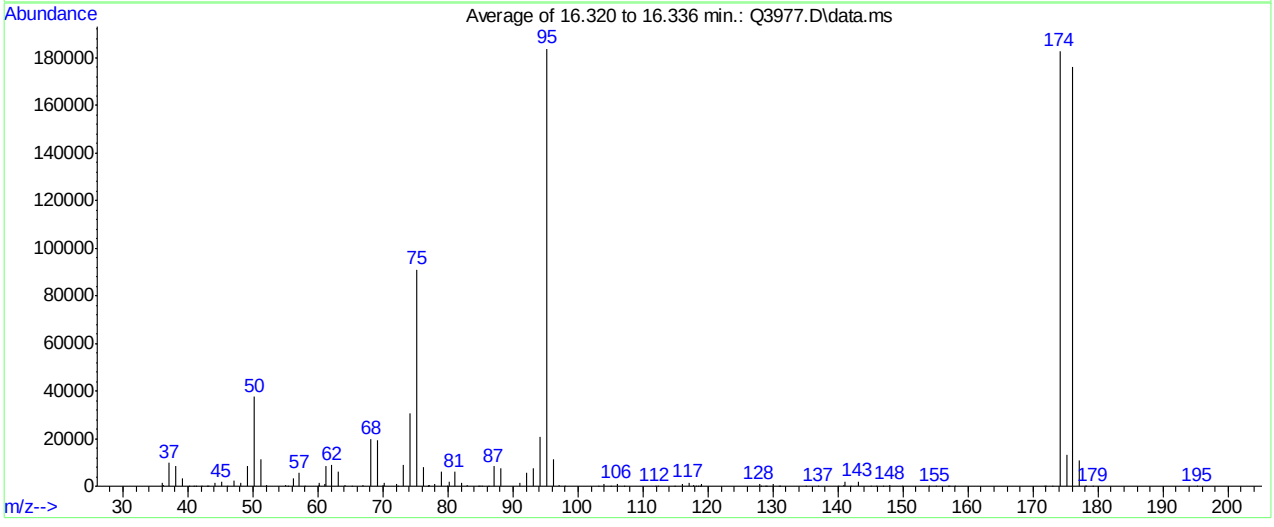
BFB

Data File : C:\msdchem\1\DATA\Q3977.D
Acq On : 16 Jul 2007 4:53 pm
Sample : ic214-40 (M211)
Misc : MS13893, MSQ214,,,,,1
MS Integration Params: LSCINT.P

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

Method : C:\msdchem\1\METHODS\Q071607T.m (RTE Integrator)
Title : TO15 by GCMS w/DB-1 60 m X .25 mm ID 1.0 um





Spectrum Information: Average of 16.320 to 16.336 min.

Target Mass	Rel. to Mass	Lower Limit%	Upper Limit%	Rel. Abn%	Raw Abn	Result Pass/Fail
50	95	8	40	20.4	37567	PASS
75	95	30	66	49.5	91035	PASS
95	95	100	100	100.0	183833	PASS
96	95	5	9	6.2	11307	PASS
173	174	0.00	2	0.1	121	PASS
174	95	50	120	99.4	182726	PASS
175	174	4	9	7.1	12997	PASS
176	174	93	101	96.4	176070	PASS
177	176	5	9	6.2	10865	PASS

Q3977.D Q071607T.m Tue Jul 17 13:57:03 2007 RPT1

Average of 16.320 to 16.336 min.: Q3977.D\data.ms
ic214-40 (M211)

m/z	abund.	m/z	abund.	m/z	abund.	m/z	abund.
36.05	1539	44.10	1650	56.15	3334	66.95	389
36.25	638	45.10	1695	57.15	5515	68.15	19877
37.15	9767	46.00	43	58.00	104	69.15	19215
38.15	8446	47.05	2291	60.10	1633	70.00	317
39.15	3266	48.20	1408	60.25	354	70.15	1214
40.10	174	49.20	8260	61.00	902	72.05	1055
40.95	212	50.20	37567	61.20	8680	72.30	89
41.20	56	51.15	11197	62.15	8847	73.15	9174
42.10	55	52.10	424	63.15	6276	74.15	30679
42.90	74	55.05	619	64.10	547	75.20	91035
43.15	201	55.30	80	65.15	87	76.15	8037

Average of 16.320 to 16.336 min.: Q3977.D\data.ms
ic214-40 (M211)

m/z	abund.	m/z	abund.	m/z	abund.	m/z	abund.
76.90	137	84.90	47	97.05	366	117.00	1624
77.00	498	85.20	50	98.00	40	117.85	392
77.15	699	86.15	193	103.05	95	118.05	237
78.00	899	87.05	8285	104.00	904	118.40	45
79.05	6028	88.10	7567	105.05	182	118.80	160
79.80	171	91.10	1322	106.00	1104	119.00	912
80.10	1742	92.15	5695	107.05	236	127.95	748
81.05	5959	93.15	7504	111.90	76	128.15	154
82.00	1626	94.15	20668	112.30	51	128.80	43
83.00	433	95.20	183833	114.90	171	129.00	58
84.70	43	96.15	11307	116.00	799	129.95	739

Average of 16.320 to 16.336 min.: Q3977.D\data.ms
ic214-40 (M211)

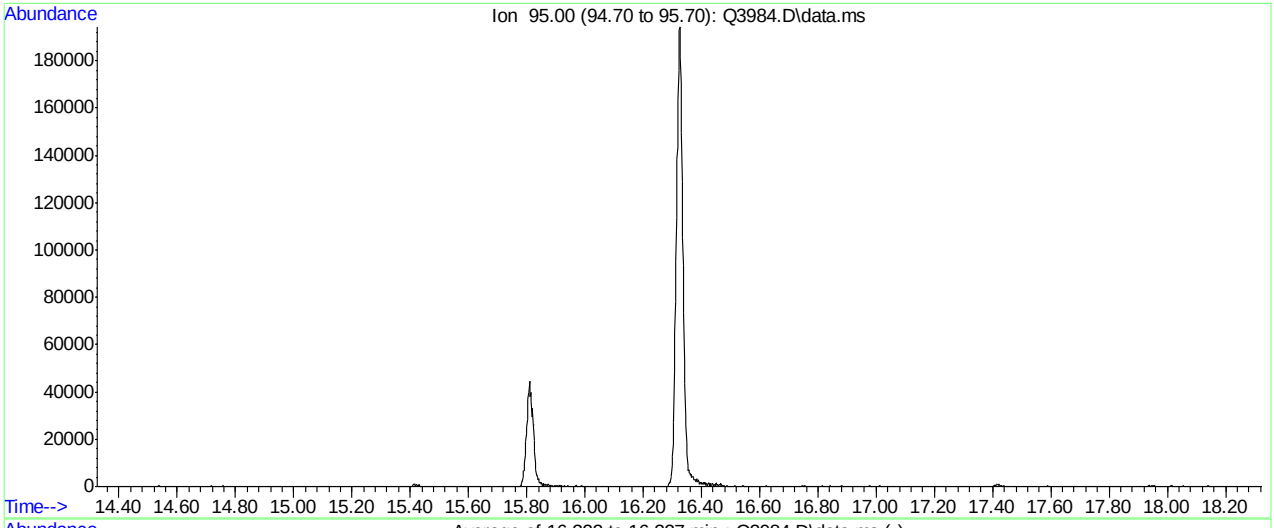
m/z	abund.	m/z	abund.	m/z	abund.	m/z	abund.
130.80	80	146.90	201	174.10	182726		
131.05	107	148.00	488	175.15	12997		
135.00	96	149.90	43	176.10	176070		
137.00	139	153.95	121	177.05	10865		
140.00	44	155.00	253	177.90	161		
140.85	326	156.85	91	178.20	40		
141.10	1680	157.15	238	179.20	44		
141.95	141	158.00	56	195.20	53		
143.05	1907	171.80	40				
145.00	41	172.00	68				
145.90	49	173.00	121				

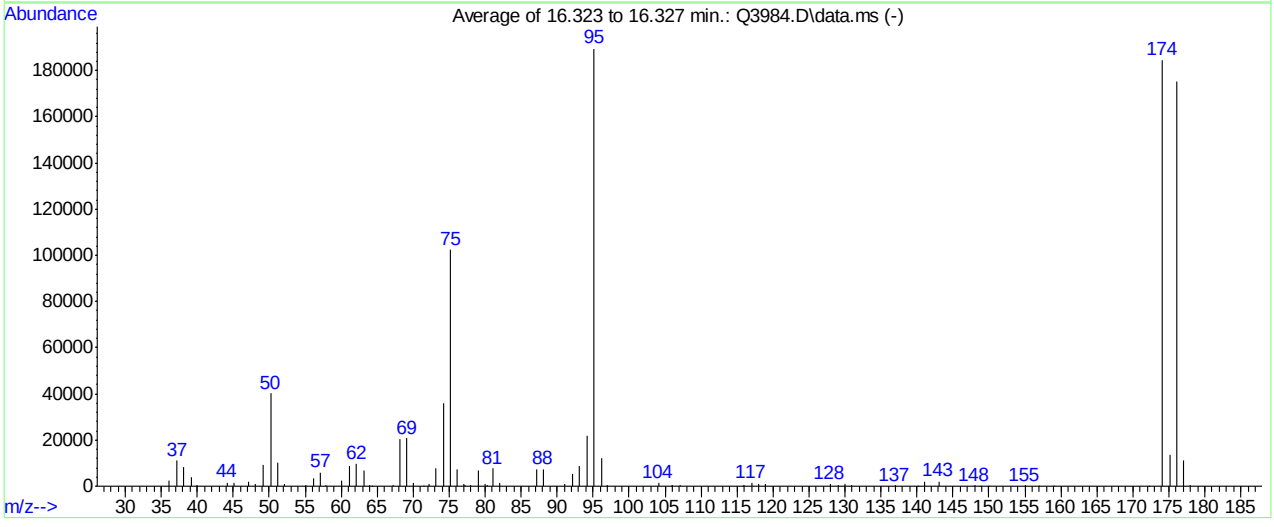
BFB

Data File : C:\msdchem\1\DATA\Q3984.D
Acq On : 17 Jul 2007 8:45 am
Sample : icv214-10 (M209)
Misc : MS13893, MSQ214,,,,,1
MS Integration Params: LSCINT.P

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

Method : C:\msdchem\1\METHODS\Q071607T.m (RTE Integrator)
Title : TO15 by GCMS w/DB-1 60 m X .25 mm ID 1.0 um





AutoFind: Scans 7741, 7742, 7743; Background Corrected with Scan 7716

Target Mass	Rel. to Mass	Lower Limit%	Upper Limit%	Rel. Abn%	Raw Abn	Result Pass/Fail
50	95	8	40	21.2	40213	PASS
75	95	30	66	54.0	102322	PASS
95	95	100	100	100.0	189568	PASS
96	95	5	9	6.5	12344	PASS
173	174	0.00	2	0.0	0	PASS
174	95	50	120	97.3	184490	PASS
175	174	4	9	7.5	13823	PASS
176	174	93	101	95.0	175296	PASS
177	176	5	9	6.5	11417	PASS

Q3984.D Q071607T.m Tue Jul 17 14:02:49 2007 RPT1

Average of 16.323 to 16.327 min.: Q3984.D\data.ms
icv214-10 (M209)
Modified:subtracted

m/z	abund.	m/z	abund.	m/z	abund.	m/z	abund.
36.10	2457	51.10	10417	64.20	143	77.00	859
37.20	11108	52.15	913	67.15	495	77.20	540
38.15	8382	55.00	705	68.15	20629	77.95	596
39.15	3712	56.15	3439	69.15	20818	79.05	6665
40.00	483	57.15	5953	70.05	1666	80.00	974
44.15	1587	57.90	392	71.50	146	80.30	610
45.15	1573	60.05	2223	72.15	1022	81.05	7695
47.05	1862	61.10	8762	73.15	7990	82.00	1365
48.00	1178	62.15	9532	74.20	35784	87.10	7363
49.15	9366	63.15	6741	75.20	102322	88.05	7408
50.20	40213	64.00	563	76.15	7416	91.00	1094

Average of 16.323 to 16.327 min.: Q3984.D\data.ms
icv214-10 (M209)
Modified:subtracted

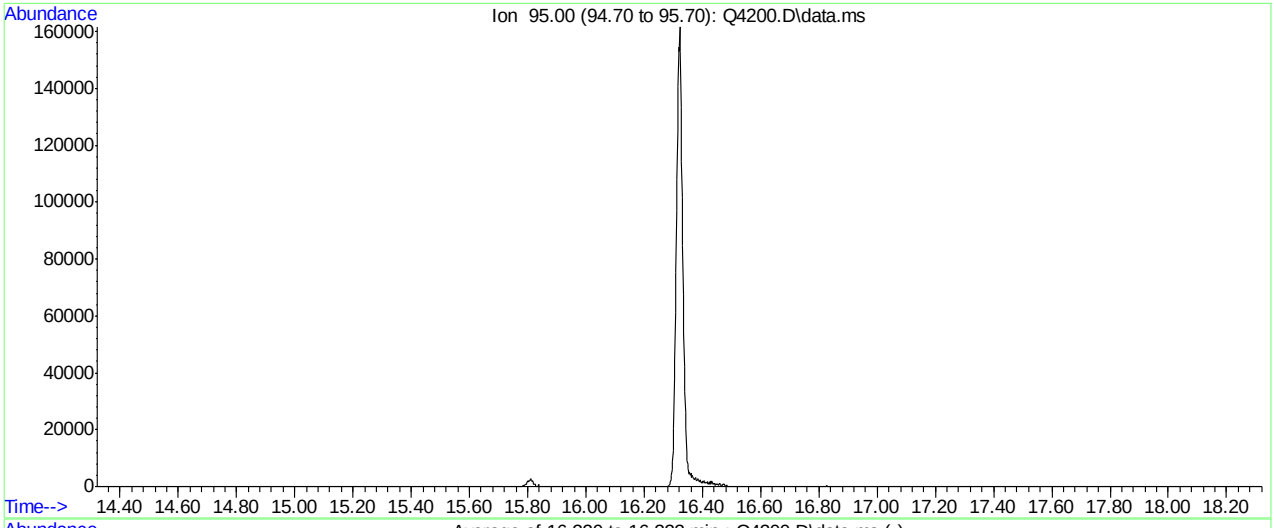
m/z	abund.	m/z	abund.	m/z	abund.	m/z	abund.
92.15	5150	115.95	488	143.05	2110	177.10	11417
93.15	8533	117.00	1303	148.05	364	177.95	380
94.15	21933	118.00	749	148.90	227		
95.15	189568	119.00	1084	150.00	157		
96.15	12344	127.95	866	155.00	482		
97.05	403	129.00	646	156.90	136		
104.10	1316	129.95	774	158.90	208		
105.80	210	131.00	299	172.20	214		
106.05	667	136.95	476	174.10	184490		
107.05	383	140.10	134	175.10	13823		
115.80	226	141.05	1809	176.10	175296		

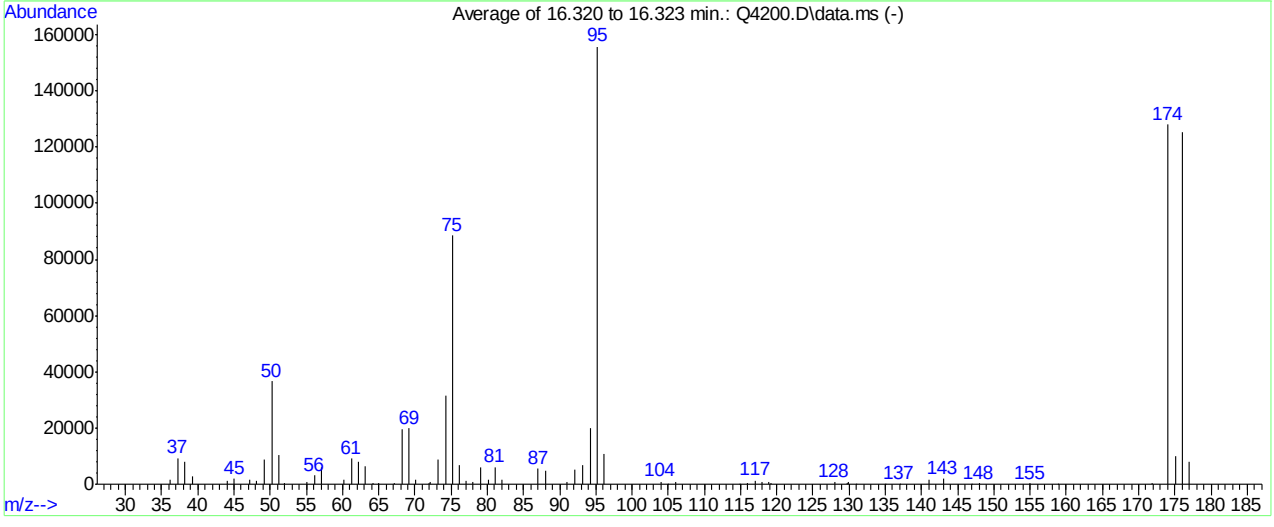
BFB

Data File : C:\msdchem\1\DATA\Q4200.D
Acq On : 7 Aug 2007 11:13 am
Sample : ic223-0.5 (M065)
Misc : MS14034, MSQ223,,,,,1
MS Integration Params: LSCINT.P

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

Method : C:\msdchem\1\METHODS\Q080707T.m (RTE Integrator)
Title : TO15 by GCMS w/DB-1 60 m X .25 mm ID 1.0 um





AutoFind: Scans 7739, 7740, 7741; Background Corrected with Scan 7716

Target Mass	Rel. to Mass	Lower Limit%	Upper Limit%	Rel. Abn%	Raw Abn	Result Pass/Fail
50	95	8	40	23.5	36573	PASS
75	95	30	66	56.8	88458	PASS
95	95	100	100	100.0	155797	PASS
96	95	5	9	7.0	10908	PASS
173	174	0.00	2	0.0	0	PASS
174	95	50	120	82.2	128037	PASS
175	174	4	9	7.7	9810	PASS
176	174	93	101	97.9	125312	PASS
177	176	5	9	6.5	8094	PASS

Q4200.D Q080707T.m Wed Aug 08 15:16:10 2007 RPT1

Average of 16.320 to 16.323 min.: Q4200.D\data.ms
ic223-0.5 (M065)
Modified:subtracted

m/z	abund.	m/z	abund.	m/z	abund.	m/z	abund.
36.10	1745	52.00	246	68.20	19546	79.10	6061
37.20	9223	55.05	722	69.20	19792	80.15	1601
38.20	8031	56.15	3144	70.10	1617	81.05	6086
39.20	2745	57.15	5912	71.90	236	82.05	1589
44.00	1350	60.10	1737	72.15	729	87.05	5404
45.05	1844	61.20	9123	73.15	8764	88.10	4920
47.15	1510	62.15	8105	74.20	31562	91.05	835
48.15	1377	63.15	6558	75.20	88458	92.10	5302
49.20	8765	64.15	434	76.20	6920	93.15	6890
50.20	36573	65.05	324	77.00	1030	94.20	20082
51.20	10327	67.15	540	78.05	825	95.20	155797

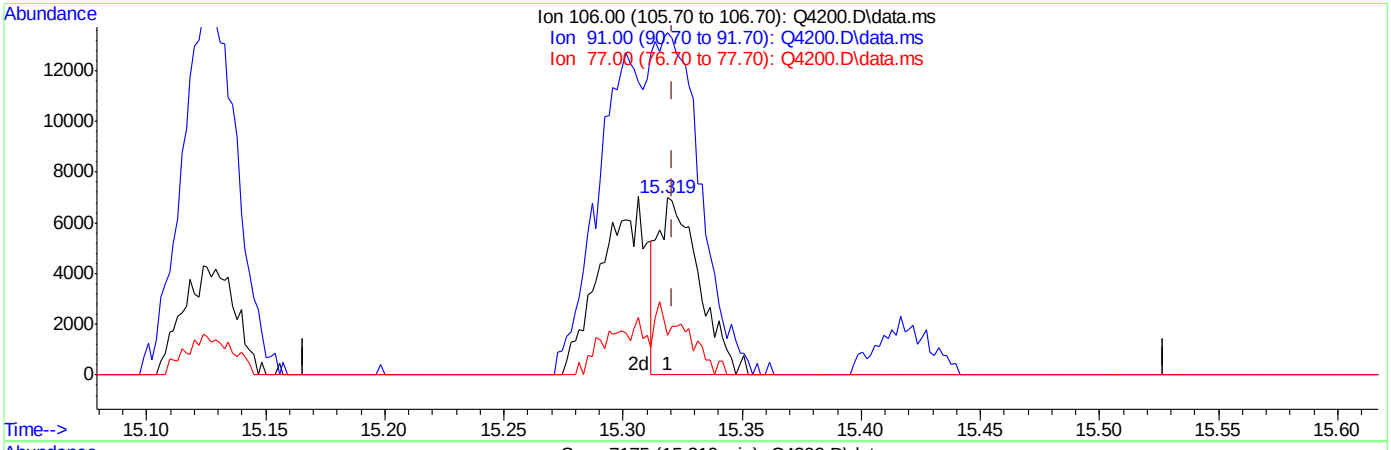
Average of 16.320 to 16.323 min.: Q4200.D\data.ms
ic223-0.5 (M065)
Modified:subtracted

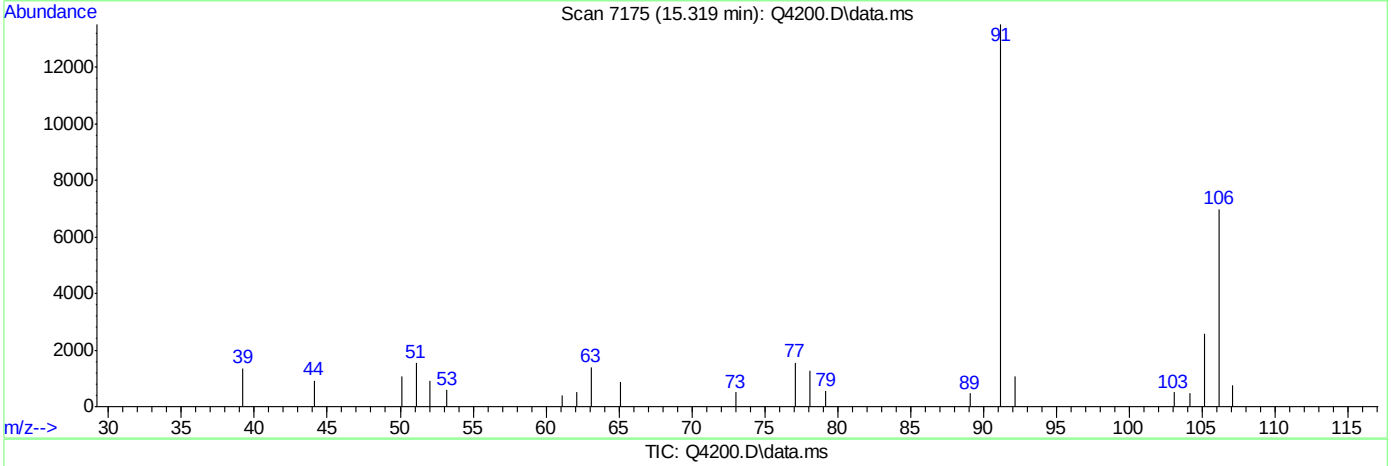
m/z	abund.	m/z	abund.	m/z	abund.	m/z	abund.
96.15	10908	129.80	308	171.90	357		
104.00	961	129.95	657	174.10	128037		
105.00	134	131.00	213	175.10	9810		
106.10	766	135.00	137	176.10	125312		
114.90	148	137.00	140	177.05	8094		
116.00	594	141.00	1712				
117.05	1261	143.00	1888				
117.95	686	147.00	134				
118.95	648	147.95	346				
119.20	340	155.00	218				
127.95	729	158.80	133				

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\
Data File : Q4200.D
Acq On : 7 Aug 2007 11:13 am
Operator : danat
Sample : ic223-0.5 (M065)
Misc : MS14034, MSQ223,,,,,1
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Aug 07 11:41:52 2007
Quant Method : C:\msdchem\1\METHODS\Q080707T.m
Quant Title : TO15 by GCMS w/DB-1 60 m X .25 mm ID 1.0 um
QLast Update : Tue Aug 07 11:41:42 2007
Response via : Initial Calibration





TIC: Q4200.D\data.ms

(56) m,p-XYLENE (m)

15.319min (-0.002) 0.43PPBV

response 8420

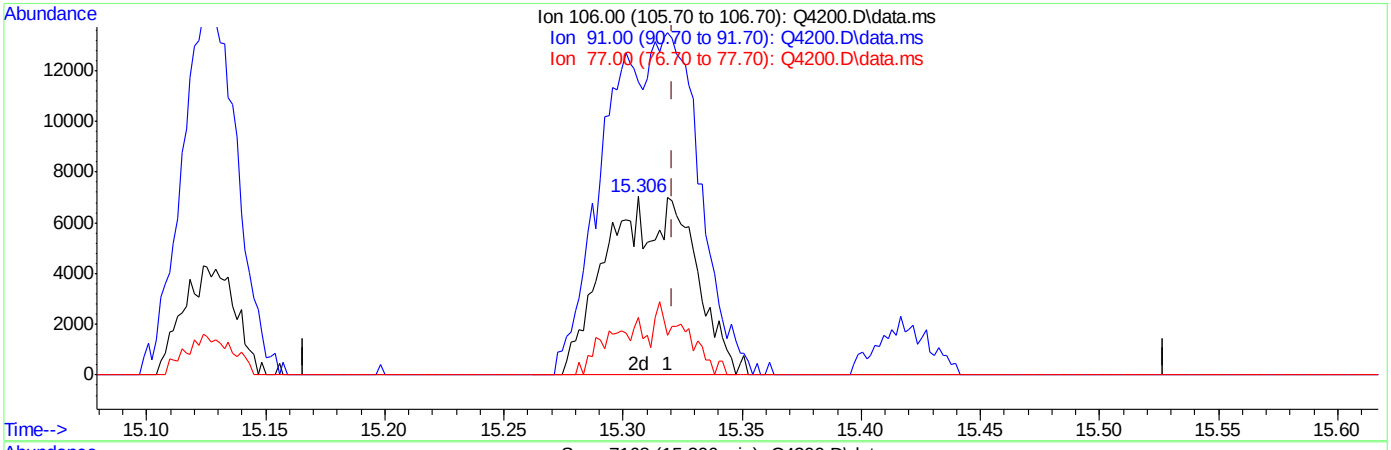
Ion	Exp%	Act%
106.00	100	100
91.00	217.70	193.29
77.00	29.20	22.31#
0.00	0.00	0.00

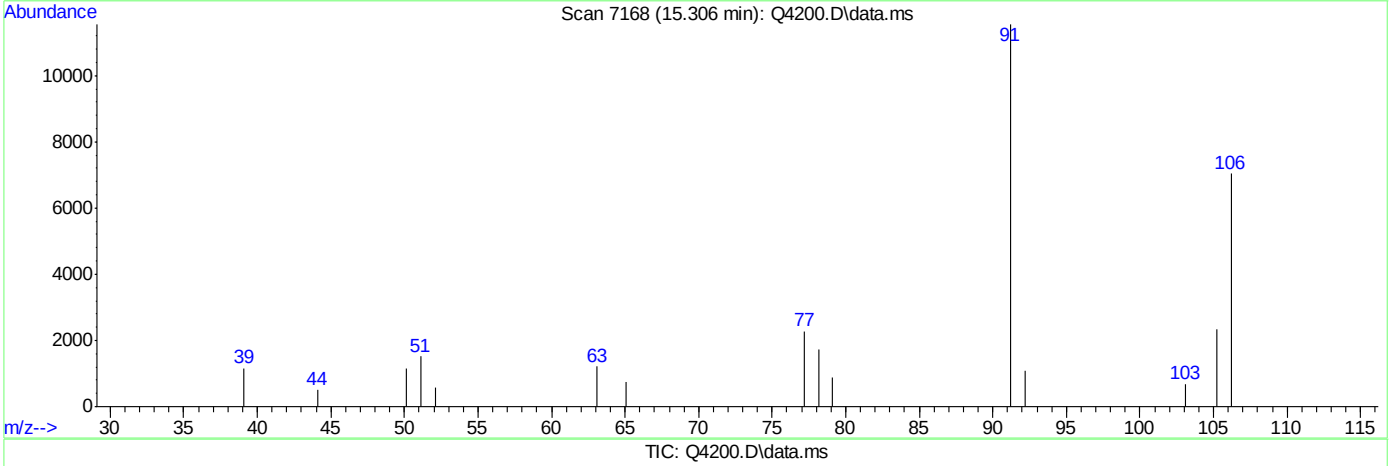
ACCUTEST Laboratories M66801

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\
Data File : Q4200.D
Acq On : 7 Aug 2007 11:13 am
Operator : danat
Sample : ic223-0.5 (M065)
Misc : MS14034, MSQ223,,,,,1
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Aug 07 11:41:52 2007
Quant Method : C:\msdchem\1\METHODS\Q080707T.m
Quant Title : TO15 by GCMS w/DB-1 60 m X .25 mm ID 1.0 um
QLast Update : Tue Aug 07 11:41:42 2007
Response via : Initial Calibration





TIC: Q4200.D\data.ms

(56) m,p-XYLENE (m)

15.306min (-0.014) 0.91PPBV m

response 17689

Ion	Exp%	Act%
106.00	100	100
91.00	217.70	163.95#
77.00	29.20	32.30
0.00	0.00	0.00

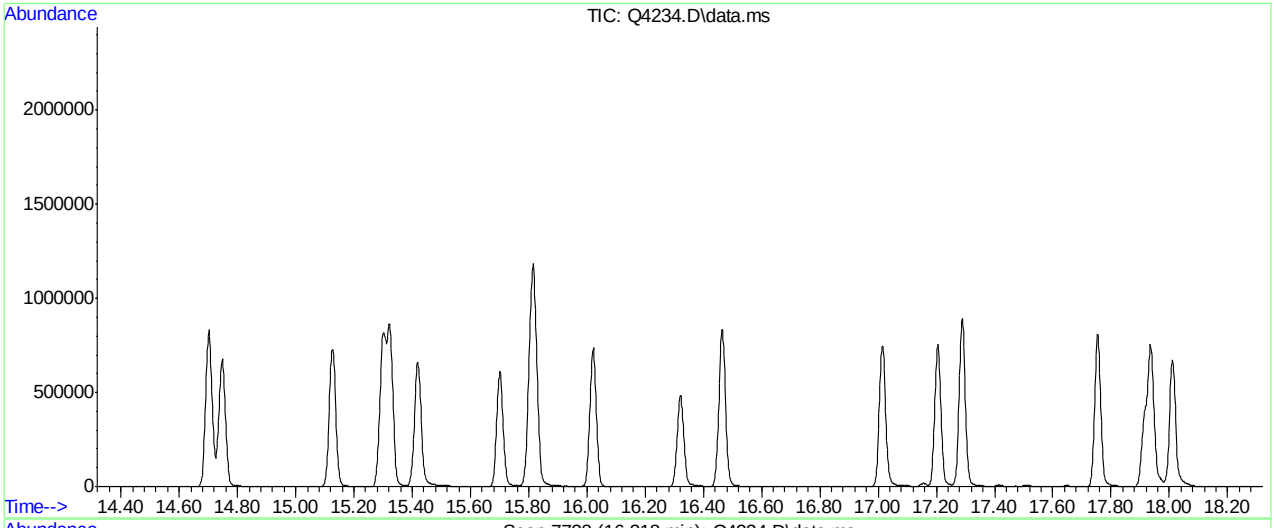
ACCUTEST Laboratories M66801

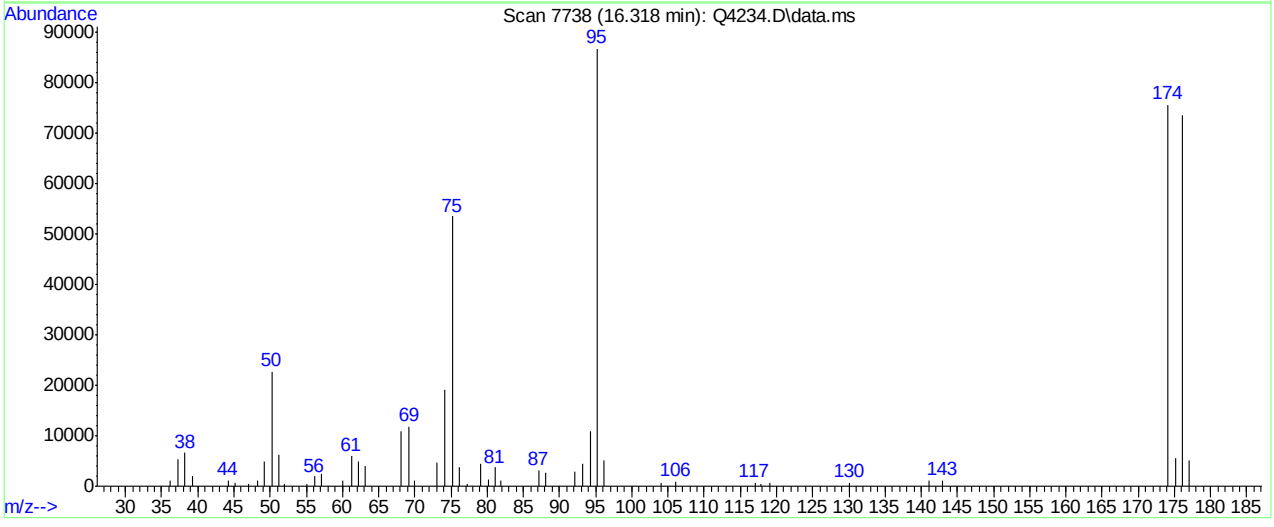
BFB

Data File : C:\msdchem\1\DATA\Q4234.D
Acq On : 9 Aug 2007 2:36 pm
Sample : cc223-10 (M164)
Misc : MS14080, MSQ225,,,,,1
MS Integration Params: LSCINT.P

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

Method : C:\msdchem\1\METHODS\Q080707T.m (RTE Integrator)
Title : TO15 by GCMS w/DB-1 60 m X .25 mm ID 1.0 um





Spectrum Information: Scan 7738

Target Mass	Rel. to Mass	Lower Limit%	Upper Limit%	Rel. Abn%	Raw Abn	Result Pass/Fail
50	95	8	40	26.2	22672	PASS
75	95	30	66	61.7	53464	PASS
95	95	100	100	100.0	86664	PASS
96	95	5	9	5.9	5123	PASS
173	174	0.00	2	0.0	0	PASS
174	95	50	120	87.2	75544	PASS
175	174	4	9	7.3	5537	PASS
176	174	93	101	97.3	73472	PASS
177	176	5	9	7.0	5158	PASS

Q4234.D Q080707T.m Fri Aug 10 12:32:24 2007 RPT1

Scan 7738 (16.318 min): Q4234.D\data.ms
cc223-10 (M164)

m/z	abund.	m/z	abund.	m/z	abund.	m/z	abund.
36.10	1169	52.00	416	73.10	4688	92.10	2937
37.20	5293	55.10	420	74.20	19080	93.20	4485
38.20	6604	56.10	1897	75.20	53464	94.20	10919
39.20	2040	57.10	2517	76.20	3836	95.20	86664
44.20	1118	60.10	1167	77.20	487	96.20	5123
45.10	645	61.20	5893	79.10	4537	104.00	665
47.00	516	62.20	4909	80.10	1413	106.10	920
48.20	1011	63.10	3971	81.10	3775	117.00	712
49.20	4901	68.10	10925	81.90	1139	117.90	460
50.20	22672	69.20	11835	87.10	3180	119.00	602
51.20	6334	70.00	1033	88.10	2593	130.10	774

Scan 7738 (16.318 min): Q4234.D\data.ms
cc223-10 (M164)

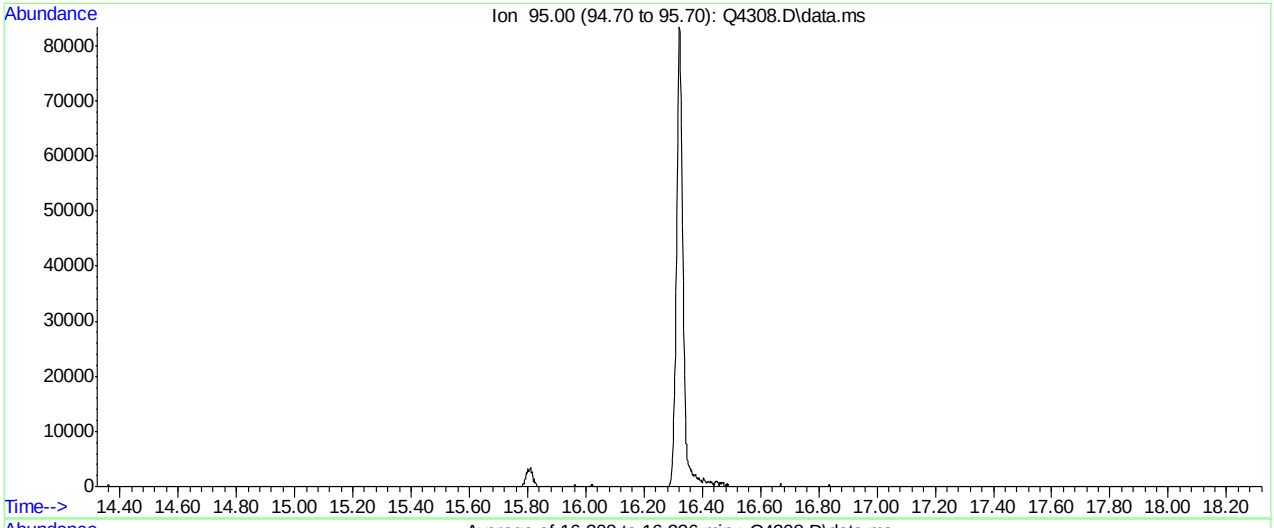
m/z	abund.	m/z	abund.	m/z	abund.	m/z	abund.
141.10	1086						
143.00	1127						
174.10	75544						
175.10	5537						
176.10	73472						
177.10	5158						

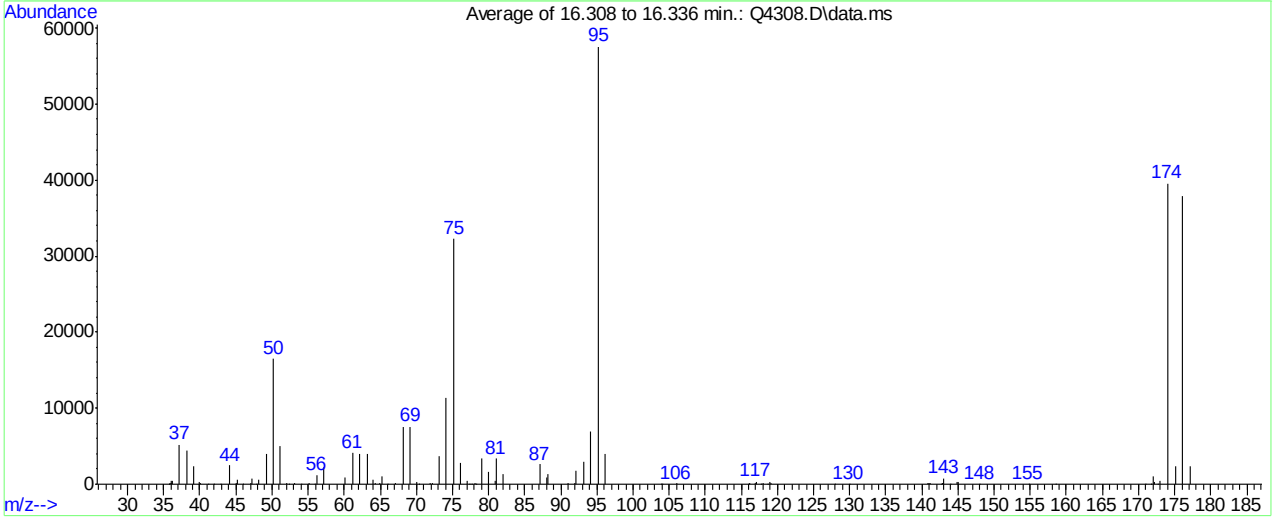
BFB

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

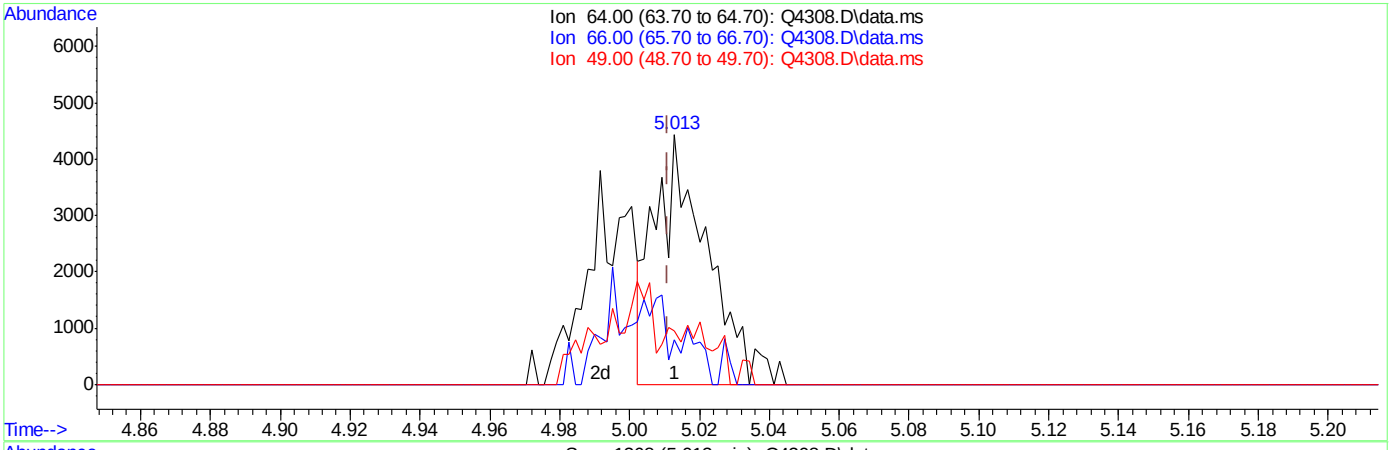
Average of 16.308 to 16.336 min.: Q4308.D\data.ms
ic229-0.5 (M065)

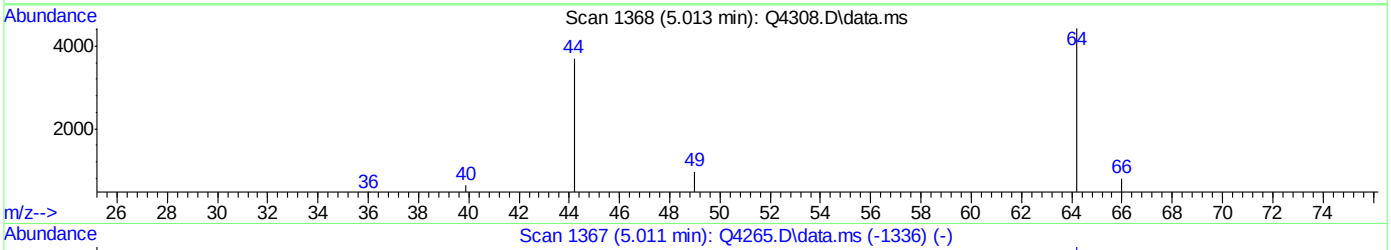
m/z	abund.	m/z	abund.	m/z	abund.	m/z	abund.
141.15	203	171.70	23				
142.75	70	172.00	1082				
142.90	176	172.25	245				
143.05	738	172.70	26				
144.00	24	173.00	378				
144.90	240	174.05	39529				
145.05	262	175.10	2349				
148.00	28	176.05	37867				
154.80	26	177.10	2327				
158.60	26						
170.90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

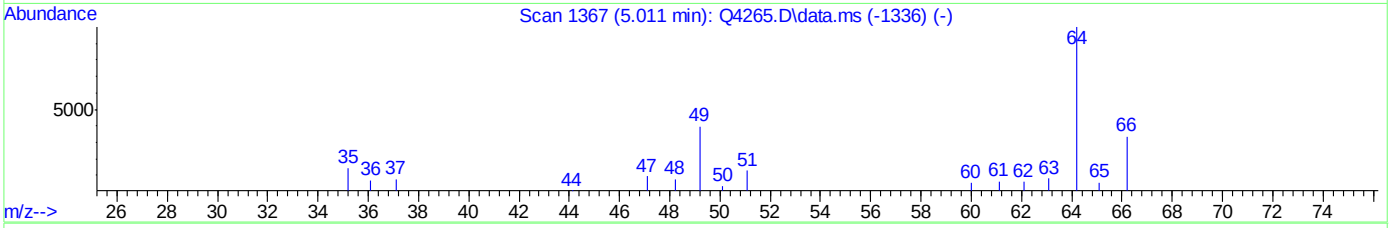
Quantitation Report (Qedit)

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

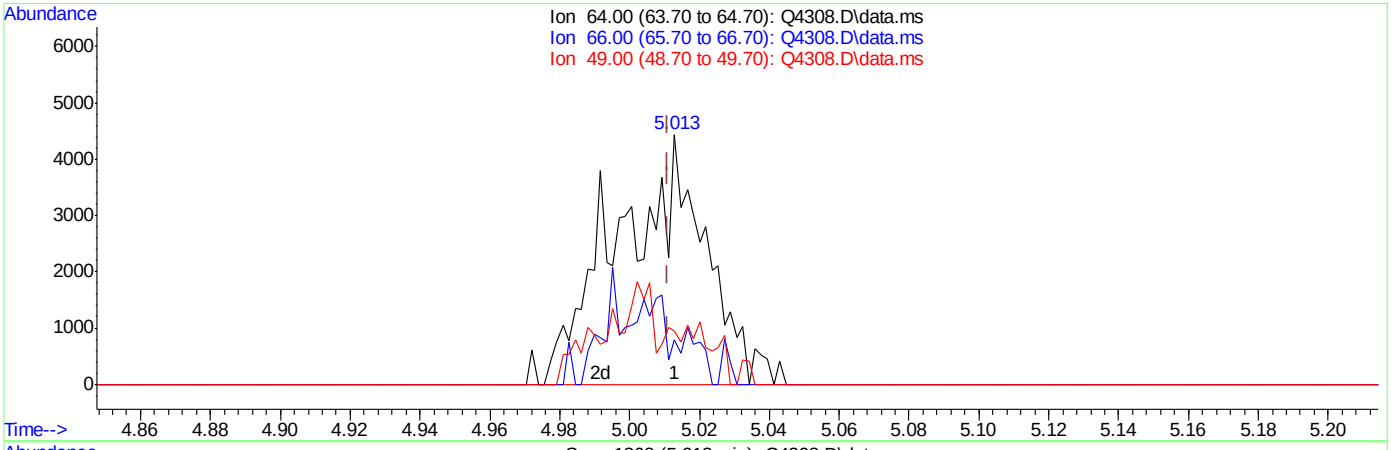
response 4659

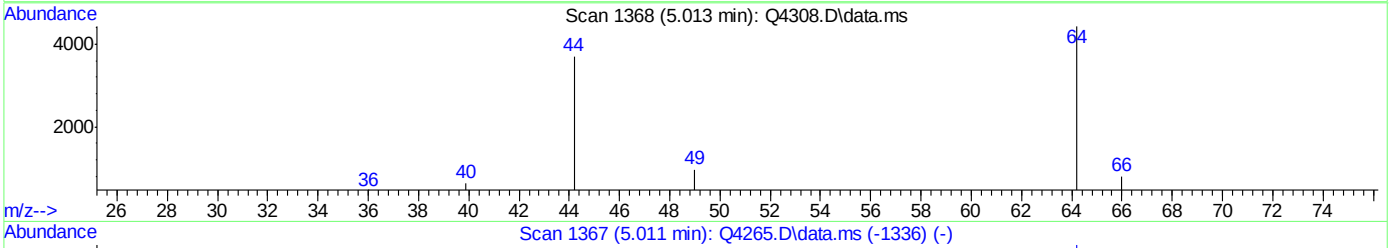
Ion	Exp%	Act%
64.00	100	100
66.00	33.20	0.00#
49.00	37.30	59.54#
0.00	0.00	0.00

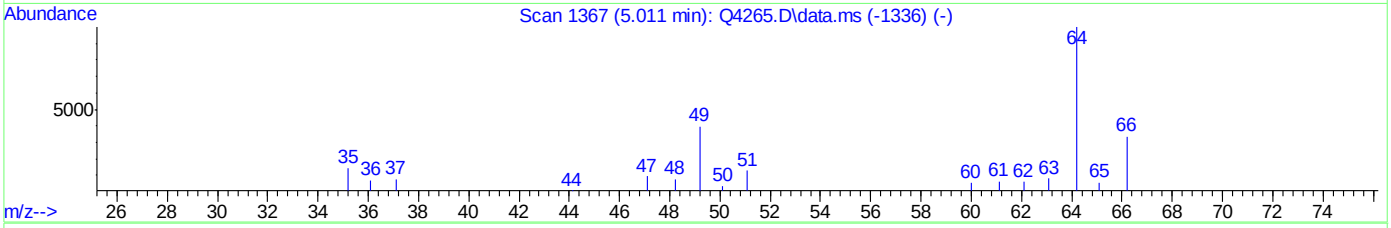
Quantitation Report (Qedit)

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

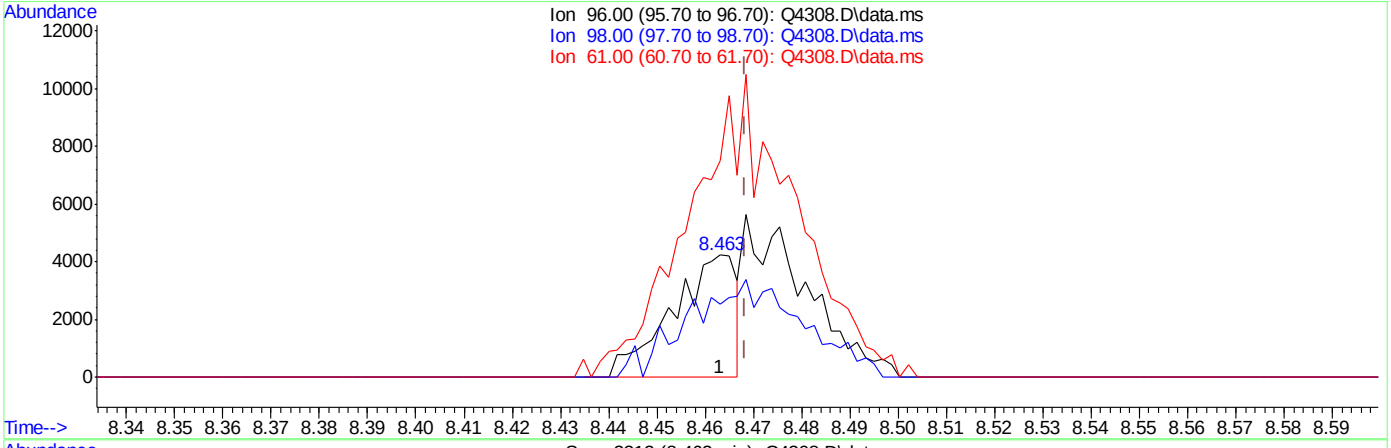
response 7543

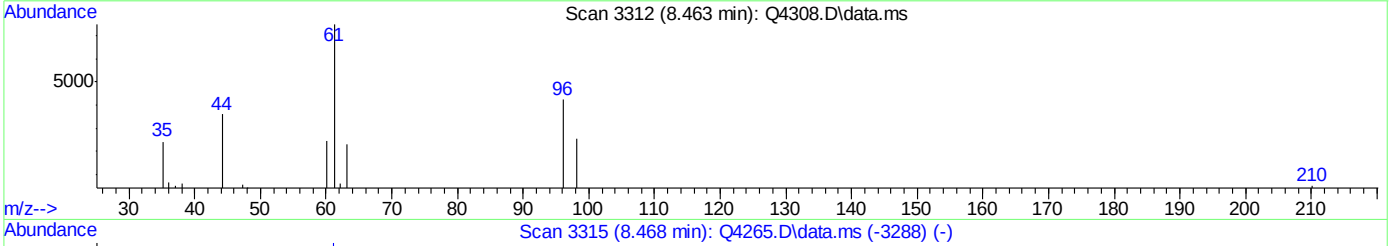
Ion	Exp%	Act%
64.00	100	100
66.00	33.20	0.00#
49.00	37.30	36.78
0.00	0.00	0.00

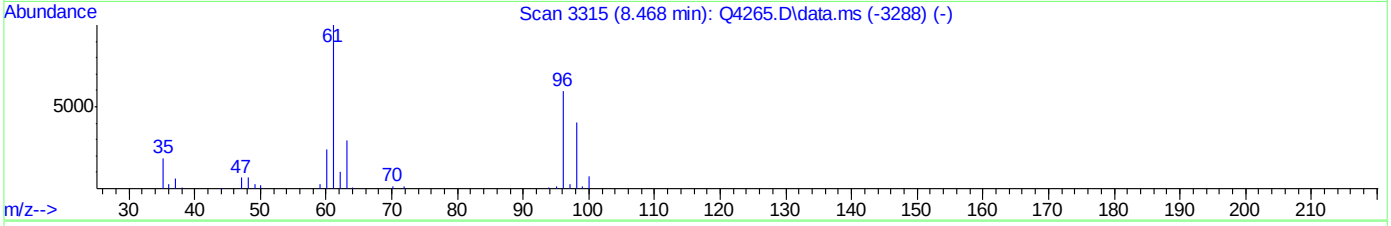
Quantitation Report (Qedit)

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

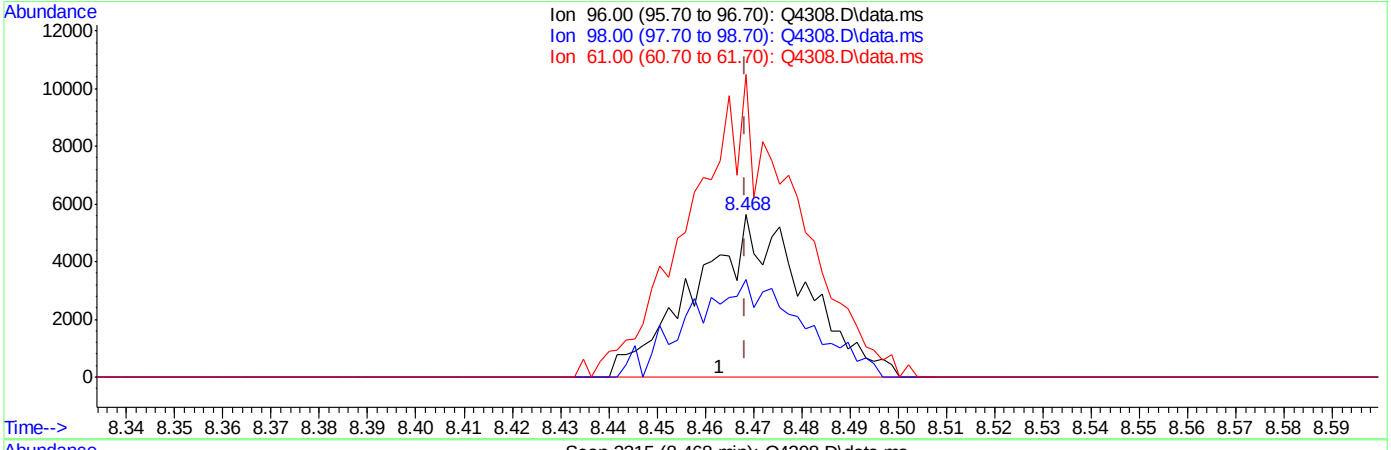
Ion	Exp%	Act%
96.00	100	100
98.00	63.30	142.38#
61.00	164.90	412.01#
0.00	0.00	0.00

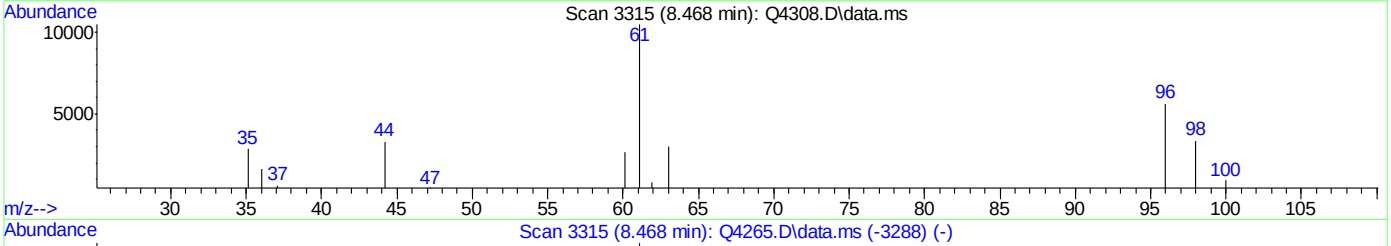
ACCUTEST Laboratories M66801

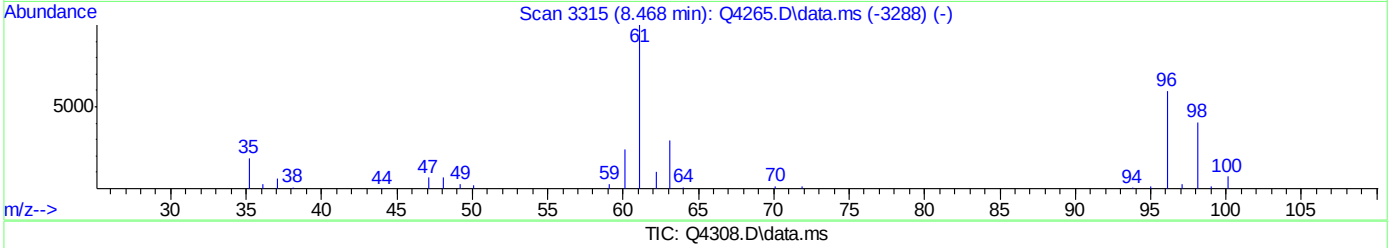
Quantitation Report (Qedit)

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

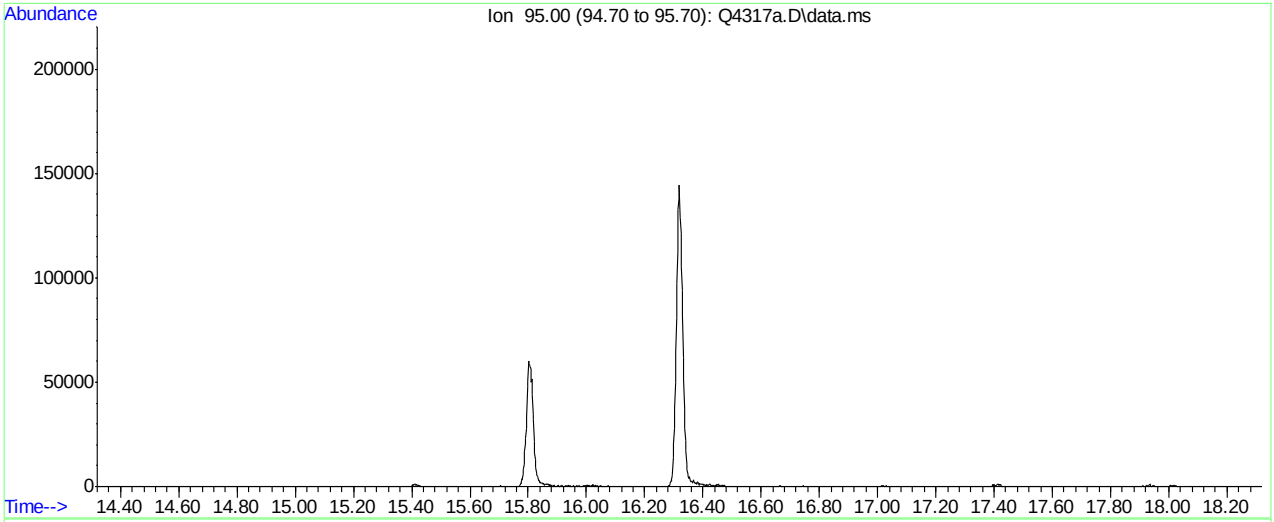
Ion	Exp%	Act%
96.00	100	100
98.00	63.30	62.25
61.00	164.90	180.15
0.00	0.00	0.00

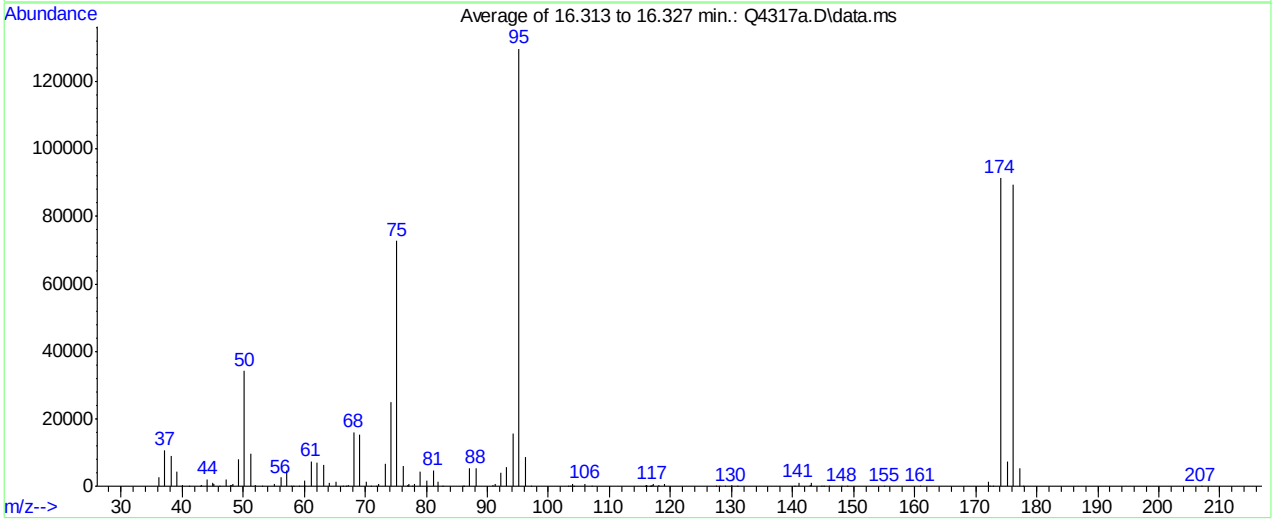
BFB

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				

Manual Integrations APPROVED (compounds with "m" flag)
Doug Yargeau
07/11/07 09:41

Quantitation Report (QT Reviewed)

Data Path : C:\MSDChem\1\data\
Data File : J10860.D
Acq On : 5 Jul 2007 10:47 am
Operator : danat
Sample : ic562-0.5 (M210)
Misc : MS13866, MSJ562,,,,,1
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Jul 05 11:29:12 2007
Quant Method : C:\MSDCHEM\1\METHODS\J070507T.M
Quant Title : TO15 by GCMS w/DB-1 60 m X .25 mm ID 1.0 um
QLast Update : Thu Jul 05 11:24:31 2007
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) BROMOCHLOROMETHANE	8.62	128	309281	10.00	PPBV	0.00
35) 1,4-DIFLUOROBENZENE	10.44	114	1310708	10.00	PPBV	0.00
49) CHLOROBENZENE-D5	14.67	117	1115339	10.00	PPBV	0.00
System Monitoring Compounds						
61) 4-BROMOFLUOROBENZENE	16.29	95	310811	4.41	PPBV	0.00
Spiked Amount 5.000	Range 51 - 142		Recovery = 88.20%			
Target Compounds						Qvalue
2) DICHLORODIFLUOROMETHANE	4.06	85	58883	0.53	PPBV	97
3) PROPYLENE	4.00	41	7610	0.47	PPBV	95
4) FREON 114	4.33	85	51934	0.54	PPBV	95
5) CHLOROMETHANE	4.23	50	13702	0.57	PPBV	98
6) VINYL CHLORIDE	4.45	62	15292	0.56	PPBV #	54
7) 1,3-BUTADIENE	4.58	39	9645	0.50	PPBV	90
8) BROMOMETHANE	4.86	94	16317	0.53	PPBV	96
9) CHLOROETHANE	5.03	64	6594	0.52	PPBV	80
10) TRICHLOROFLUOROMETHANE	5.79	101	57690	0.50	PPBV	99
11) ISOPROPYL ALCOHOL	6.07	45	16583m	0.47	PPBV	
12) ACETONE	5.69	43	24290	0.41	PPBV	83
13) PENTANE	6.13	42	12834	0.45	PPBV	91
14) 1,1-DICHLOROETHYLENE	6.43	96	12786	0.43	PPBV	97
15) CARBON DISULFIDE	6.84	76	48612	0.54	PPBV	96
16) ETHANOL	5.32	45	847m	0.14	PPBV	
17) BROMOETHENE	5.38	106	11653	0.39	PPBV	98
18) METHYLENE CHLORIDE	6.55	84	32235	0.58	PPBV	93
19) 3-CHLOROPROPENE	6.66	39	10218	0.44	PPBV	90
20) FREON 113	6.79	151	37857	0.52	PPBV	95
21) TRANS-1,2-DICHLOROETHYLENE	7.45	96	13859	0.49	PPBV	99
22) TERTIARY BUTYL ALCOHOL	6.69	59	12447m	0.32	PPBV	
23) METHYL TERTIARY BUTYL ETHE	7.75	73	20442	0.35	PPBV	95
24) TETRAHYDROFURAN	9.23	42	5371m	0.30	PPBV	
25) HEXANE	8.63	57	18926	0.53	PPBV	87
26) VINYL ACETATE	7.81	43	12485	0.32	PPBV	74
27) 1,1-DICHLOROETHANE	7.65	63	26691	0.54	PPBV	98
28) METHYL ETHYL KETONE	8.10	43	20284m	0.54	PPBV	
29) cis-1,2-DICHLOROETHYLENE	8.46	96	13416	0.49	PPBV	98
30) ETHYL ACETATE	8.71	43	20867	0.54	PPBV #	94
31) CHLOROFORM	8.74	83	38336	0.55	PPBV	98
32) 1,1,1-TRICHLOROETHANE	9.68	97	40329	0.50	PPBV	97
33) CARBON TETRACHLORIDE	10.25	117	51116	0.51	PPBV	96
34) 1,2-DICHLOROETHANE	9.45	62	19128	0.48	PPBV	96
36) BENZENE	10.12	78	26821	0.44	PPBV	98
37) CYCLOHEXANE	10.37	84	8898	0.30	PPBV	94
38) TRICHLOROETHYLENE	11.11	95	16401	0.48	PPBV	91
39) 1,2-DICHLOROPROPANE	10.90	63	9846	0.47	PPBV	97
40) BROMODICHLOROMETHANE	11.09	83	31966	0.52	PPBV	97
41) 2,2,4-TRIMETHYLPENTANE	11.12	57	34764	0.37	PPBV	88
42) 1,4-DIOXANE	11.28	88	1834m	0.16	PPBV	
43) HEPTANE	11.36	43	12719	0.43	PPBV	91

Quantitation Report (QT Reviewed)

Data Path : C:\MSDChem\1\data\
Data File : J10860.D
Acq On : 5 Jul 2007 10:47 am
Operator : danat
Sample : ic562-0.5 (M210)
Misc : MS13866, MSJ562,,,,,1
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Jul 05 11:29:12 2007
Quant Method : C:\MSDCHEM\1\METHODS\J070507T.M
Quant Title : TO15 by GCMS w/DB-1 60 m X .25 mm ID 1.0 um
QLast Update : Thu Jul 05 11:24:31 2007
Response via : Initial Calibration

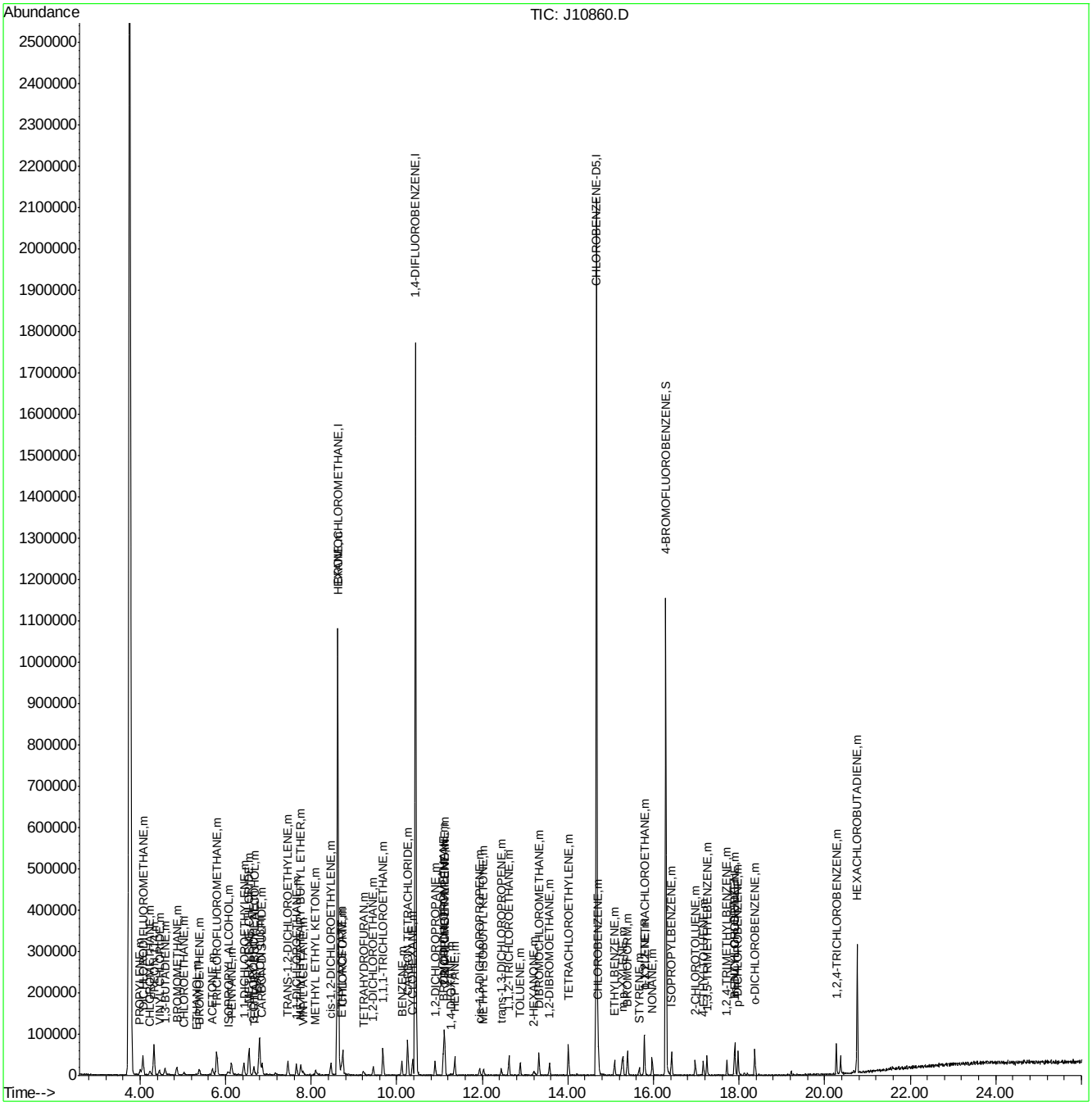
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) METHYL ISOBUTYL KETONE	12.02	43	12485	0.34	PPBV	80
45) cis-1,3-DICHLOROPROPENE	11.94	75	9289	0.33	PPBV	92
46) TOLUENE	12.88	92	12463	0.31	PPBV	96
47) trans-1,3-DICHLOROPROPENE	12.44	75	8100	0.31	PPBV	91
48) 1,1,2-TRICHLOROETHANE	12.62	83	10909	0.49	PPBV	96
50) 2-HEXANONE	13.20	43	10674	0.40	PPBV #	70
51) TETRACHLOROETHYLENE	14.01	164	16591	0.45	PPBV	99
52) DIBROMOCHLOROMETHANE	13.32	129	28641	0.52	PPBV	98
53) 1,2-DIBROMOETHANE	13.57	107	18292	0.50	PPBV	98
54) CHLOROBENZENE	14.71	112	31570	0.54	PPBV	99
55) ETHYLBENZENE	15.09	91	23865	0.31	PPBV	94
56) m,p-XYLENE	15.27	106	18708	0.59	PPBV #	81
57) o-XYLENE	15.78	106	9506	0.31	PPBV	96
58) STYRENE	15.67	104	9469	0.25	PPBV	96
59) NONANE	15.97	43	10517	0.29	PPBV	93
60) BROMOFORM	15.39	173	27506	0.52	PPBV	96
62) 1,1,2,2-TETRACHLOROETHANE	15.79	83	31385	0.66	PPBV	92
63) ISOPROPYLBENZENE	16.42	105	31529	0.35	PPBV	96
64) 2-CHLOROTOLUENE	16.98	91	19425	0.32	PPBV	99
65) 4-ETHYLTOLUENE	17.16	105	20141	0.27	PPBV	99
66) 1,3,5-TRIMETHYLBENZENE	17.25	105	23617	0.34	PPBV	94
67) 1,2,4-TRIMETHYLBENZENE	17.72	105	17005	0.28	PPBV	93
68) m-DICHLOROBENZENE	17.90	146	27431	0.58	PPBV	98
69) BENZYL CHLORIDE	17.89	91	17693	0.48	PPBV	97
70) p-DICHLOROBENZENE	17.98	146	21701	0.51	PPBV	93
71) o-DICHLOROBENZENE	18.37	146	25627	0.61	PPBV	96
72) HEXACHLOROBUTADIENE	20.76	225	51263	1.27	PPBV	98
73) 1,2,4-TRICHLOROBENZENE	20.28	180	20594	1.20	PPBV	98

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

Quantitation Report (QT Reviewed)

Data Path : C:\MSDChem\1\data\
Data File : J10860.D
Acq On : 5 Jul 2007 10:47 am
Operator : danat
Sample : ic562-0.5 (M210)
Misc : MS13866, MSJ562,,,,,1
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Jul 05 11:29:12 2007
Quant Method : C:\MSDCHEM\1\METHODS\J070507T.M
Quant Title : TO15 by GCMS w/DB-1 60 m X .25 mm ID 1.0 um
QLast Update : Thu Jul 05 11:24:31 2007
Response via : Initial Calibration

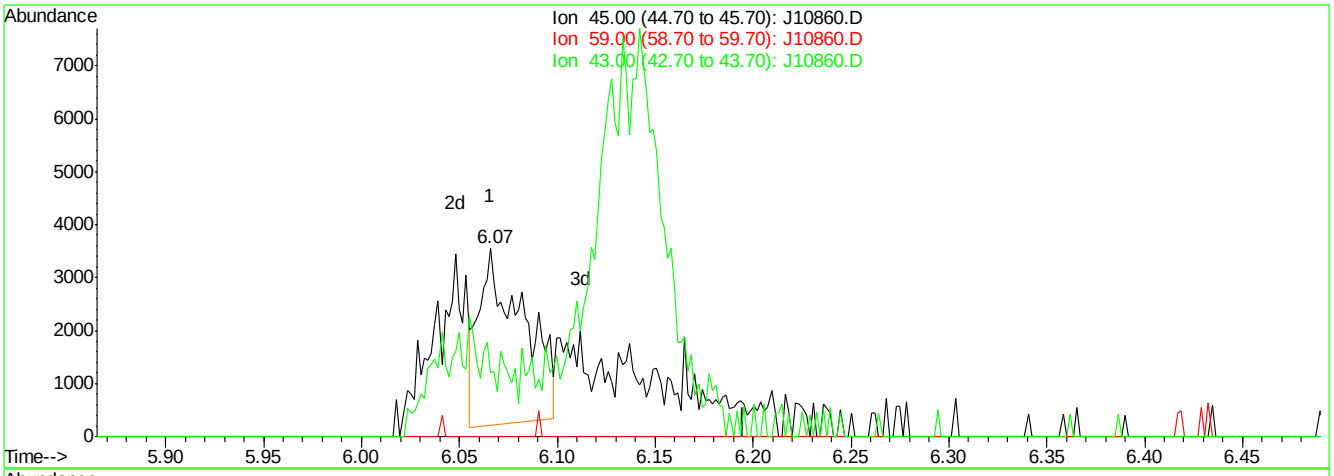


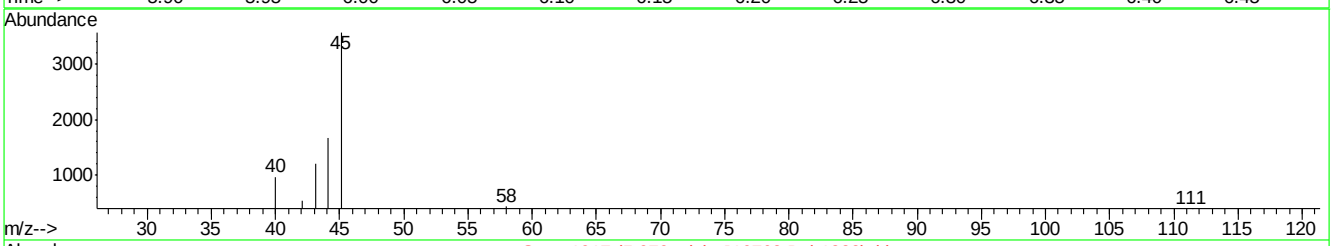
Quantitation Report (Qedit)

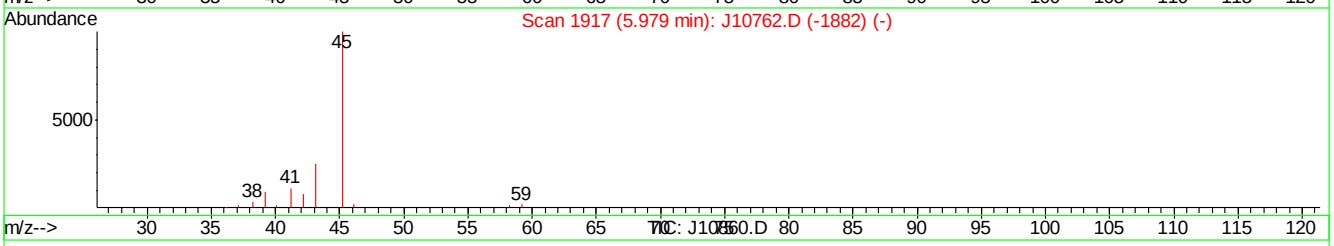
Data File : C:\MSDChem\1\data\J10860.D Vial: 1
Acq On : 5 Jul 2007 10:47 am Operator: danat
Sample : ic562-0.5 (M210) Inst : MSJ
Misc : MS13866, MSJ562,,,,,1 Multiplr: 1.00
MS Integration Params: LSCINT.P

Quant Time: Jul 05 11:24:40 2007 Results File: J070507T.RES

Method : C:\MSDCHEM\1\METHODS\J070507T.M (RTE Integrator)
Title : TO15 by GCMS w/DB-1 60 m X .25 mm ID 1.0 um
Last Update : Thu Jul 05 11:24:31 2007
Response via : Multiple Level Calibration







(11) ISOPROPYL ALCOHOL (m)

6.07min 0.15PPBV

response 5209

Ion	Exp%	Act%
45.00	100	100
59.00	2.20	0.00
43.00	25.50	34.10
0.00	0.00	0.00

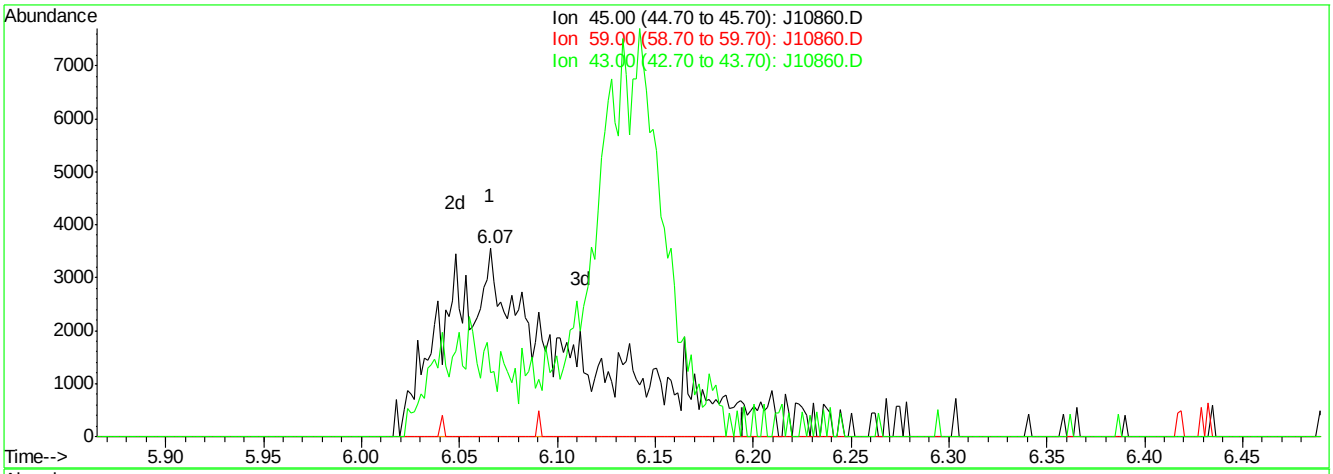
J10860.D J070507T.M Thu Jul 05 11:26:38 2007

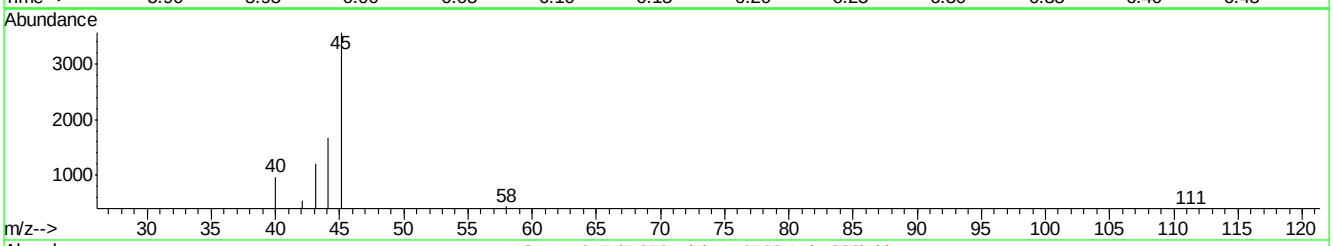
Quantitation Report (Qedit)

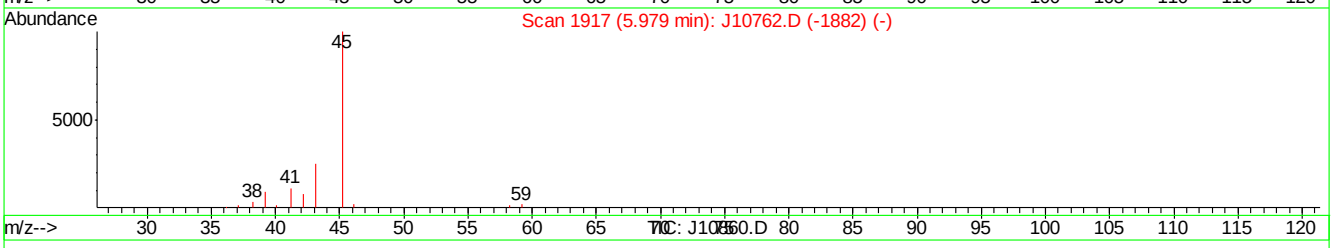
Data File : C:\MSDChem\1\data\J10860.D Vial: 1
Acq On : 5 Jul 2007 10:47 am Operator: danat
Sample : ic562-0.5 (M210) Inst : MSJ
Misc : MS13866, MSJ562,,,,,1 Multiplr: 1.00
MS Integration Params: LSCINT.P

Quant Time: Jul 05 11:24:40 2007 Results File: J070507T.RES

Method : C:\MSDCHEM\1\METHODS\J070507T.M (RTE Integrator)
Title : TO15 by GCMS w/DB-1 60 m X .25 mm ID 1.0 um
Last Update : Thu Jul 05 11:24:31 2007
Response via : Multiple Level Calibration







(11) ISOPROPYL ALCOHOL (m)

6.07min 0.47PPBV m

response 16583

Ion	Exp%	Act%
45.00	100	100
59.00	2.20	0.00
43.00	25.50	34.10
0.00	0.00	0.00

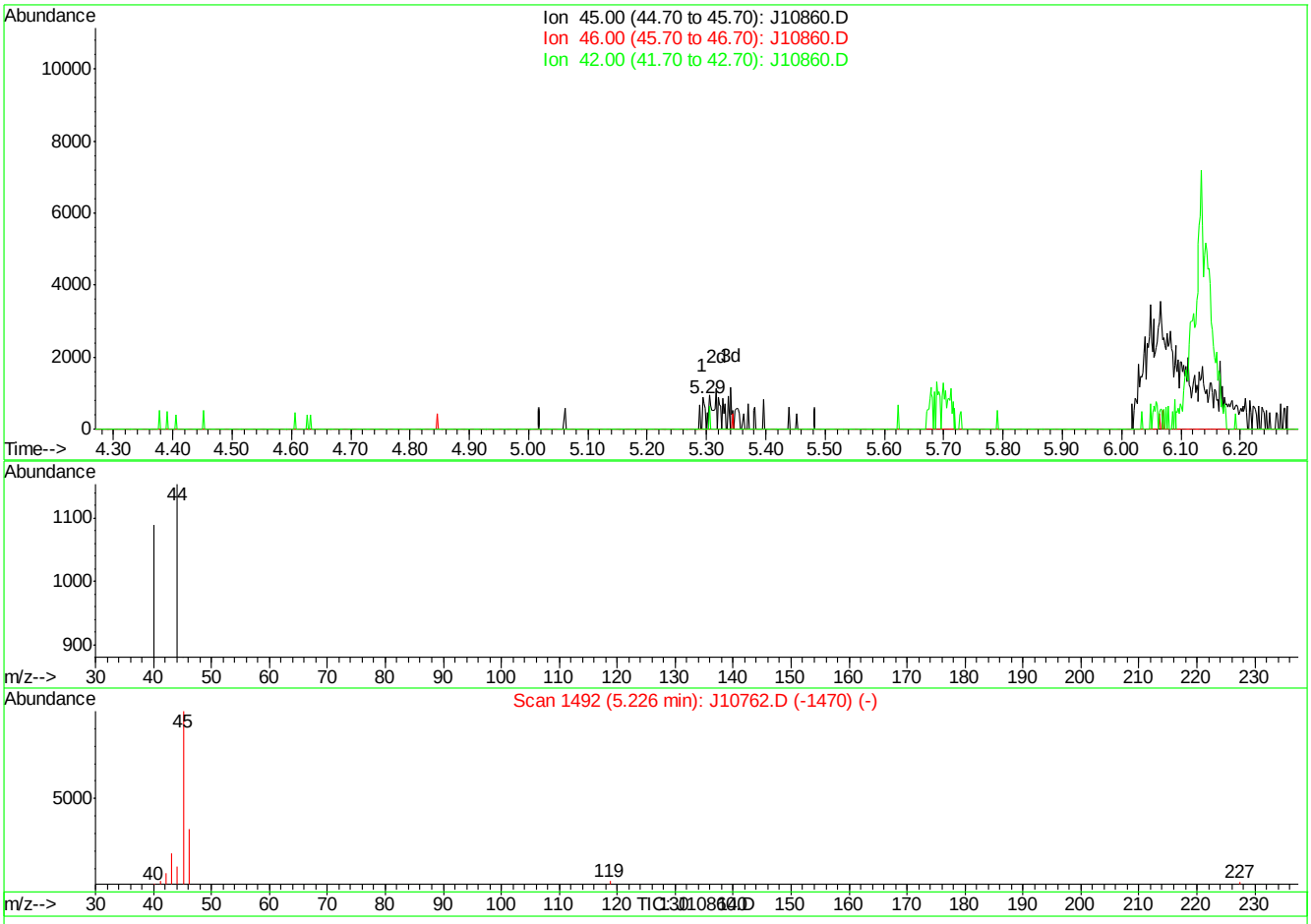
J10860.D J070507T.M Thu Jul 05 11:26:48 2007

Quantitation Report (Qedit)

Data File : C:\MSDChem\1\data\J10860.D Vial: 1
Acq On : 5 Jul 2007 10:47 am Operator: danat
Sample : ic562-0.5 (M210) Inst : MSJ
Misc : MS13866, MSJ562,,,,,1 Multiplr: 1.00
MS Integration Params: LSCINT.P

Quant Time: Jul 05 11:24:40 2007 Results File: J070507T.RES

Method : C:\MSDCHEM\1\METHODS\J070507T.M (RTE Integrator)
Title : TO15 by GCMS w/DB-1 60 m X .25 mm ID 1.0 um
Last Update : Thu Jul 05 11:24:31 2007
Response via : Multiple Level Calibration



(16) ETHANOL (m)

5.29min 0.05PPBV

response 306

Ion	Exp%	Act%
45.00	100	100
46.00	34.30	0.00#
42.00	3.50	0.00
0.00	0.00	0.00

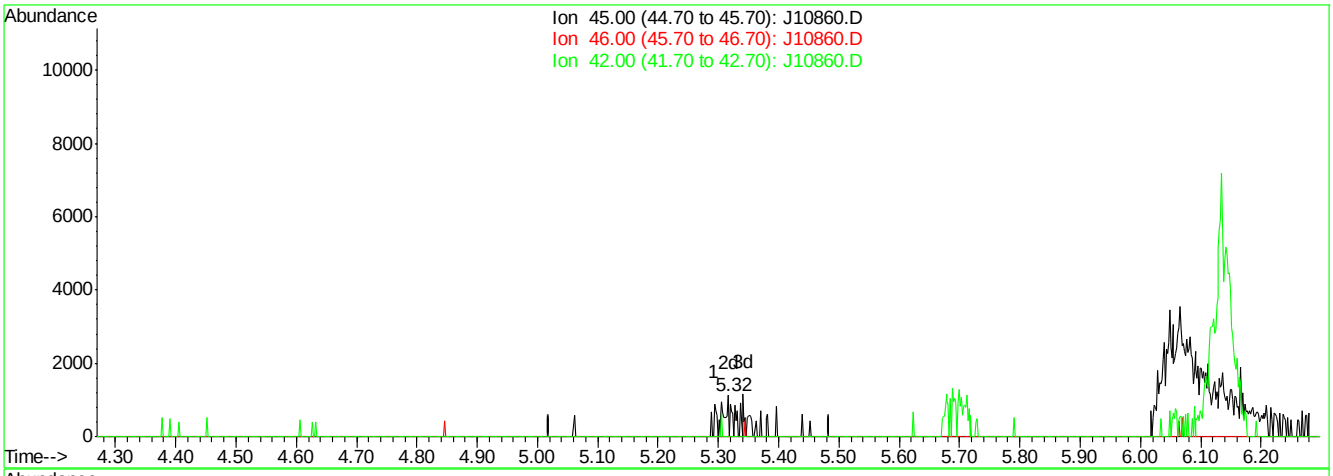
J10860.D J070507T.M Thu Jul 05 11:26:56 2007

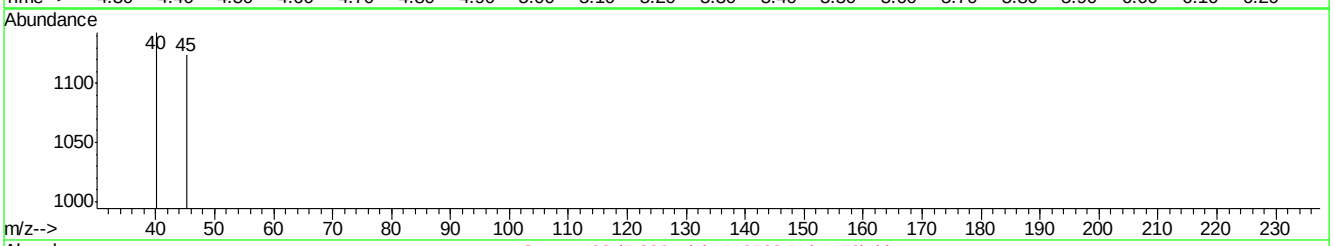
Quantitation Report (Qedit)

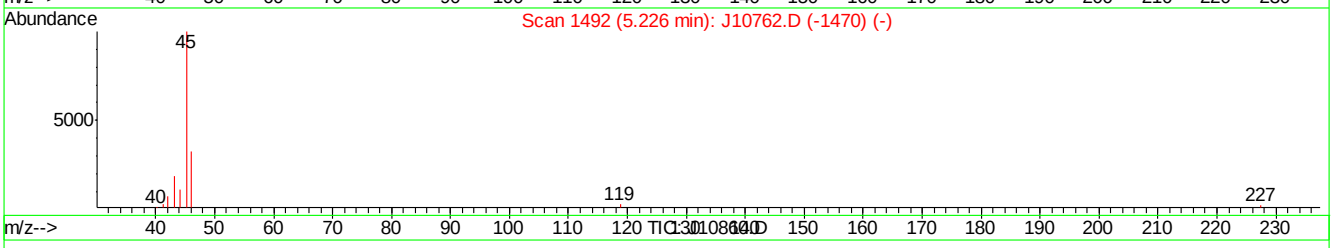
Data File : C:\MSDChem\1\data\J10860.D Vial: 1
Acq On : 5 Jul 2007 10:47 am Operator: danat
Sample : ic562-0.5 (M210) Inst : MSJ
Misc : MS13866, MSJ562,,,,,1 Multiplr: 1.00
MS Integration Params: LSCINT.P

Quant Time: Jul 05 11:24:40 2007 Results File: J070507T.RES

Method : C:\MSDCHEM\1\METHODS\J070507T.M (RTE Integrator)
Title : TO15 by GCMS w/DB-1 60 m X .25 mm ID 1.0 um
Last Update : Thu Jul 05 11:24:31 2007
Response via : Multiple Level Calibration







(16) ETHANOL (m)

5.32min 0.14PPBV m

response 847

Ion	Exp%	Act%
45.00	100	100
46.00	34.30	0.00#
42.00	3.50	0.00
0.00	0.00	0.00

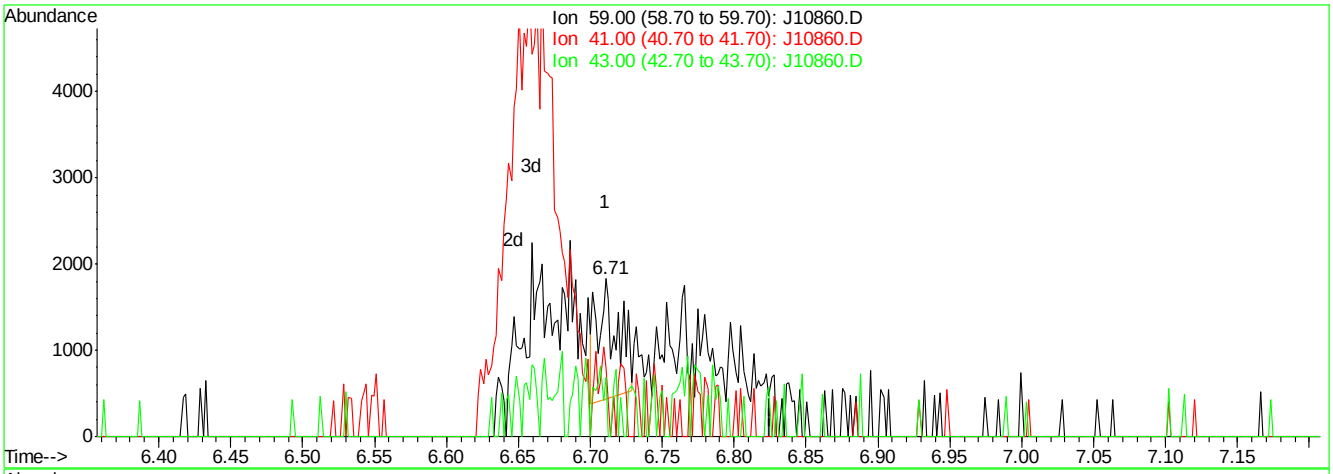
J10860.D J070507T.M Thu Jul 05 11:27:18 2007

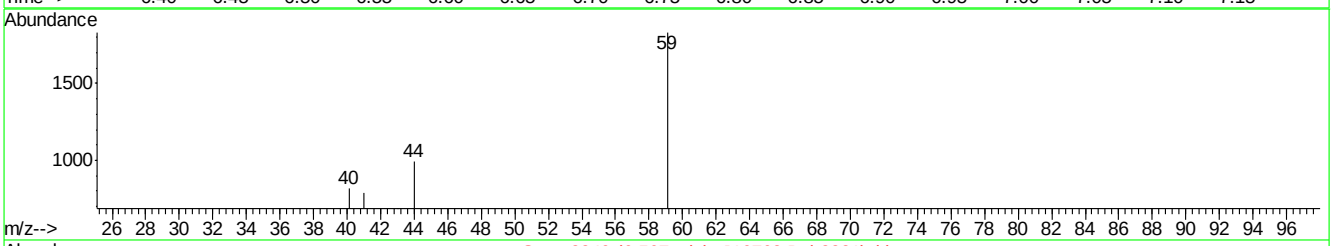
Quantitation Report (Qedit)

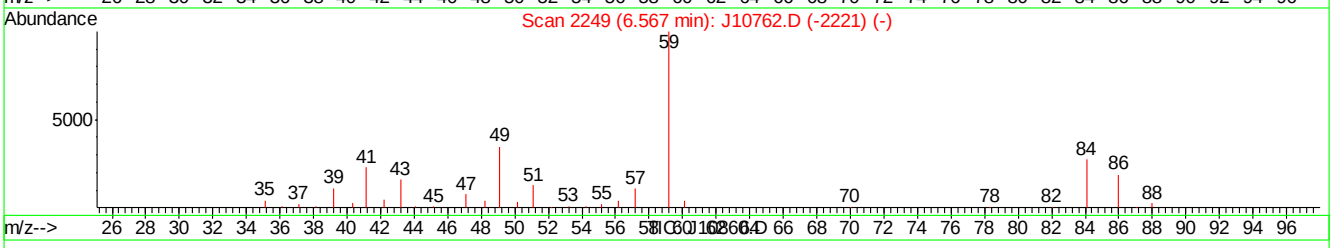
Data File : C:\MSDChem\1\data\J10860.D Vial: 1
Acq On : 5 Jul 2007 10:47 am Operator: danat
Sample : ic562-0.5 (M210) Inst : MSJ
Misc : MS13866, MSJ562,,,,,1 Multiplr: 1.00
MS Integration Params: LSCINT.P

Quant Time: Jul 05 11:24:40 2007 Results File: J070507T.RES

Method : C:\MSDCHEM\1\METHODS\J070507T.M (RTE Integrator)
Title : TO15 by GCMS w/DB-1 60 m X .25 mm ID 1.0 um
Last Update : Thu Jul 05 11:24:31 2007
Response via : Multiple Level Calibration







(22) TERTIARY BUTYL ALCOHOL (m)

6.71min 0.03PPBV

response 1343

Ion	Exp%	Act%
59.00	100	100
41.00	22.00	37.97
43.00	17.20	28.82
0.00	0.00	0.00

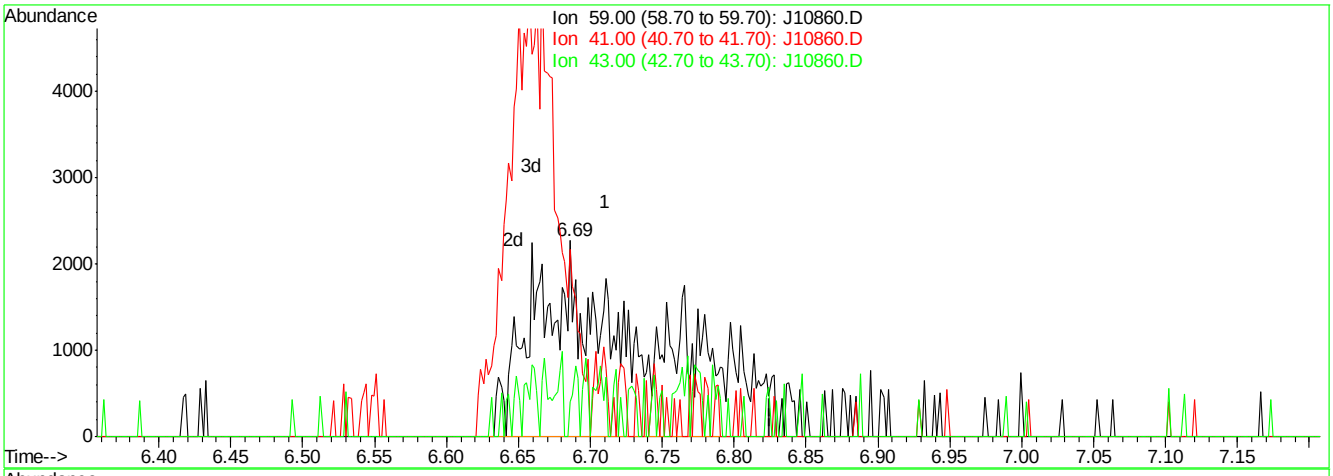
J10860.D J070507T.M Thu Jul 05 11:27:29 2007

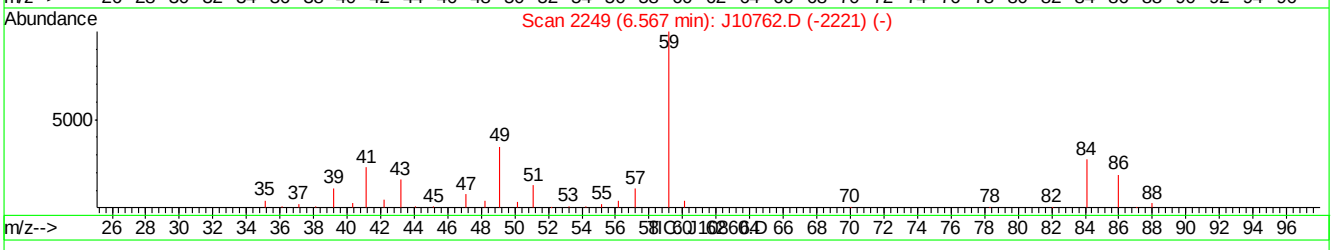
Quantitation Report (Qedit)

Data File : C:\MSDChem\1\data\J10860.D Vial: 1
Acq On : 5 Jul 2007 10:47 am Operator: danat
Sample : ic562-0.5 (M210) Inst : MSJ
Misc : MS13866, MSJ562,,,,,1 Multiplr: 1.00
MS Integration Params: LSCINT.P

Quant Time: Jul 05 11:24:40 2007 Results File: J070507T.RES

Method : C:\MSDCHEM\1\METHODS\J070507T.M (RTE Integrator)
Title : TO15 by GCMS w/DB-1 60 m X .25 mm ID 1.0 um
Last Update : Thu Jul 05 11:24:31 2007
Response via : Multiple Level Calibration





(22) TERTIARY BUTYL ALCOHOL (m)

6.69min 0.32PPBV m

response 12447

Ion	Exp%	Act%
59.00	100	100
41.00	22.00	4.10
43.00	17.20	3.11
0.00	0.00	0.00

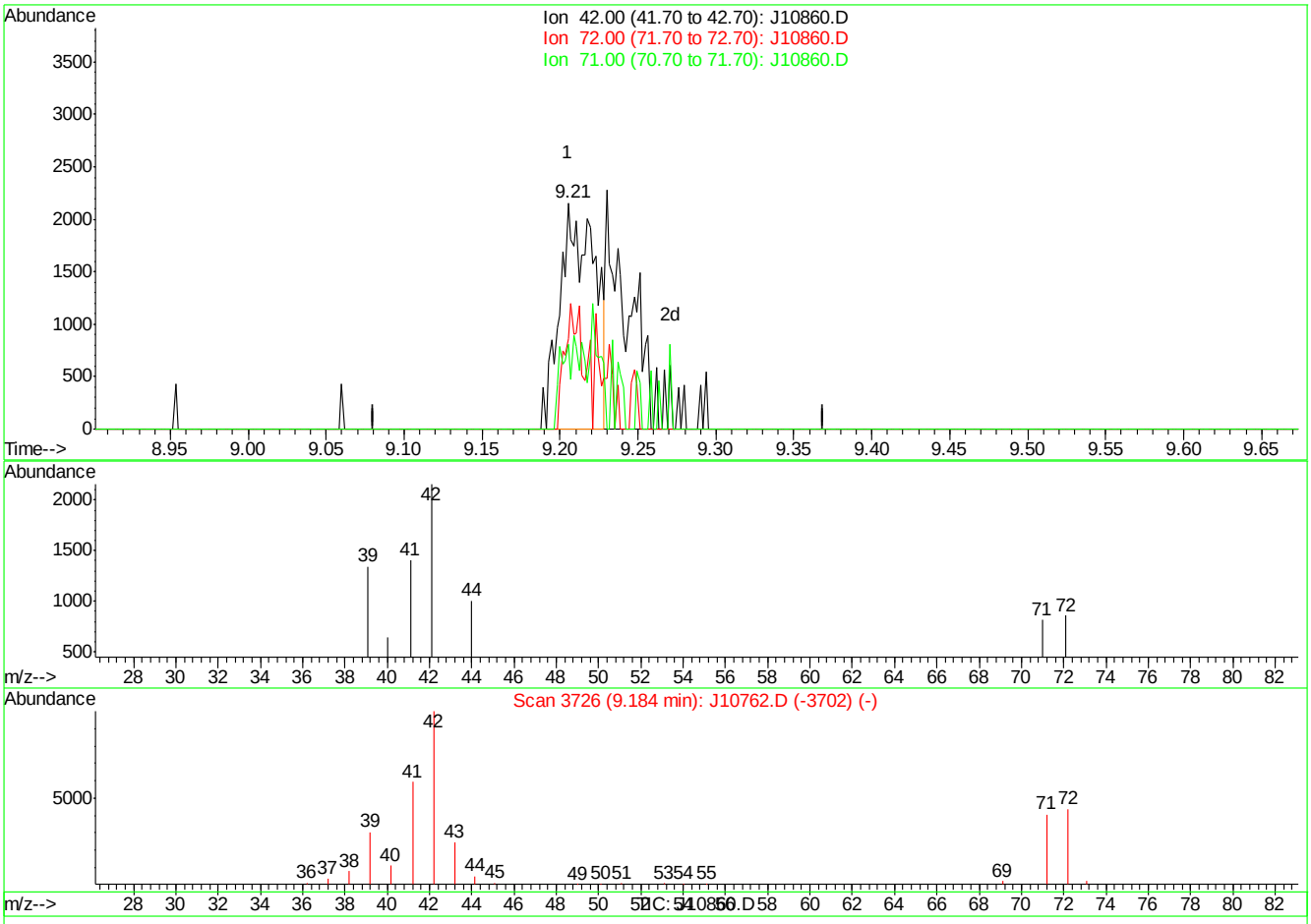
J10860.D J070507T.M Thu Jul 05 11:27:45 2007

Quantitation Report (Qedit)

Data File : C:\MSDChem\1\data\J10860.D Vial: 1
Acq On : 5 Jul 2007 10:47 am Operator: danat
Sample : ic562-0.5 (M210) Inst : MSJ
Misc : MS13866, MSJ562,,,,,1 Multiplr: 1.00
MS Integration Params: LSCINT.P

Quant Time: Jul 05 11:24:40 2007 Results File: J070507T.RES

Method : C:\MSDCHEM\1\METHODS\J070507T.M (RTE Integrator)
Title : TO15 by GCMS w/DB-1 60 m X .25 mm ID 1.0 um
Last Update : Thu Jul 05 11:24:31 2007
Response via : Multiple Level Calibration



(24) TETRAHYDROFURAN (m)

9.21min 0.19PPBV

response 3316

Ion	Exp%	Act%
42.00	100	100
72.00	46.60	29.98
71.00	46.70	12.03#
0.00	0.00	0.00

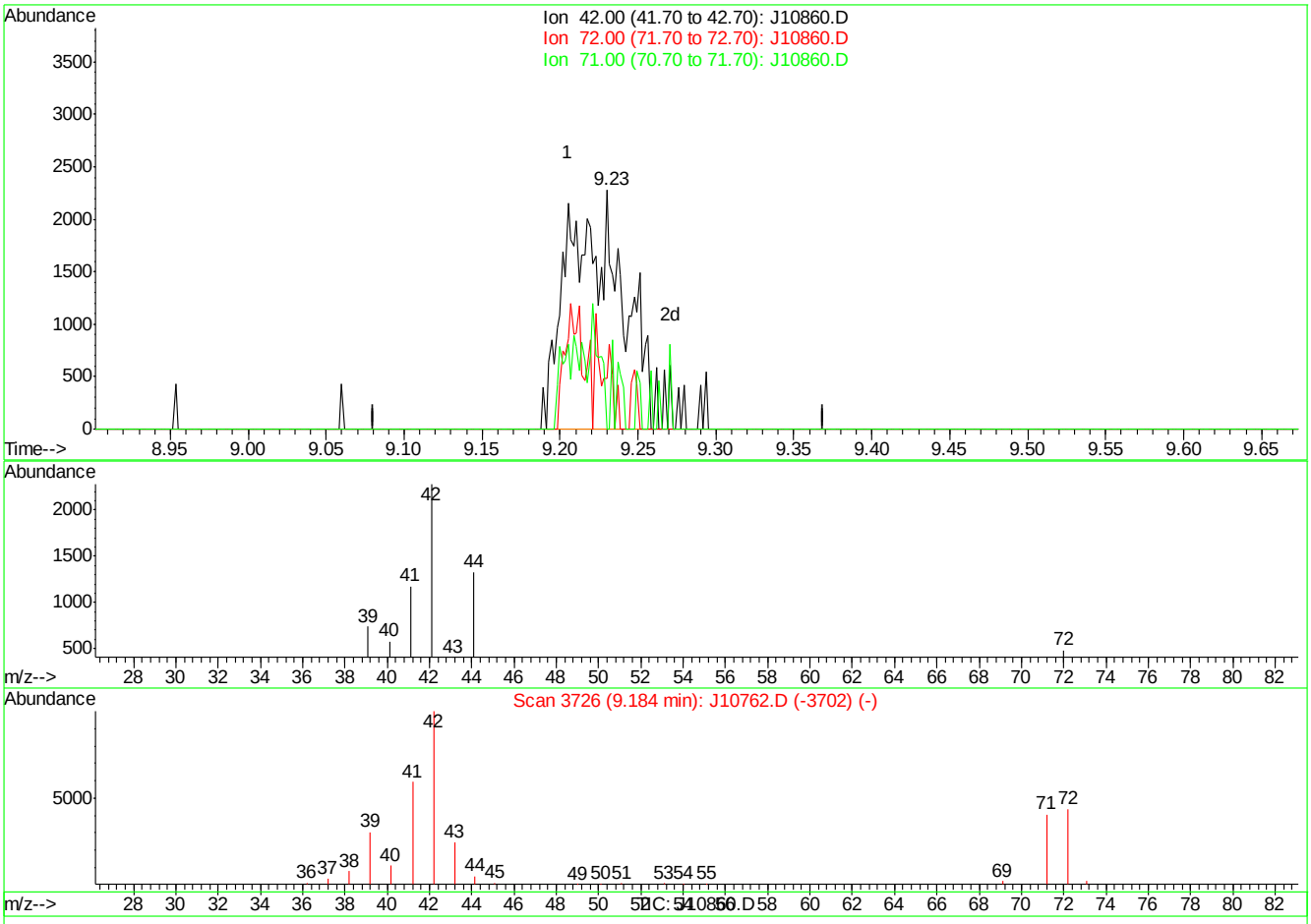
J10860.D J070507T.M Thu Jul 05 11:27:51 2007

Quantitation Report (Qedit)

Data File : C:\MSDChem\1\data\J10860.D Vial: 1
Acq On : 5 Jul 2007 10:47 am Operator: danat
Sample : ic562-0.5 (M210) Inst : MSJ
Misc : MS13866, MSJ562,,,,,1 Multiplr: 1.00
MS Integration Params: LSCINT.P

Quant Time: Jul 05 11:24:40 2007 Results File: J070507T.RES

Method : C:\MSDCHEM\1\METHODS\J070507T.M (RTE Integrator)
Title : TO15 by GCMS w/DB-1 60 m X .25 mm ID 1.0 um
Last Update : Thu Jul 05 11:24:31 2007
Response via : Multiple Level Calibration



(24) TETRAHYDROFURAN (m)

9.23min 0.30PPBV m

response 5371

Ion	Exp%	Act%
42.00	100	100
72.00	46.60	18.51#
71.00	46.70	7.43#
0.00	0.00	0.00

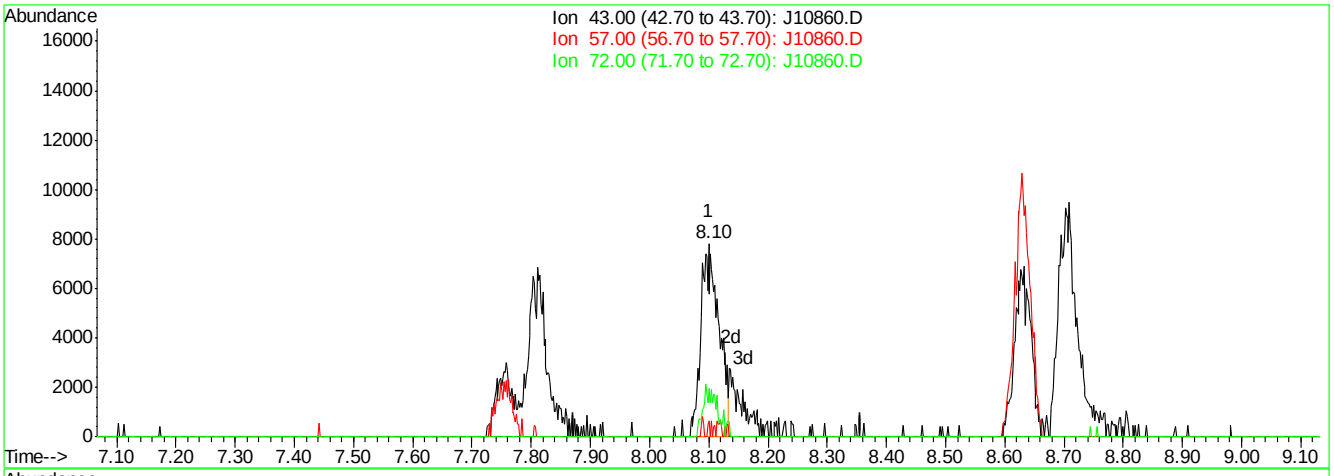
J10860.D J070507T.M Thu Jul 05 11:28:01 2007

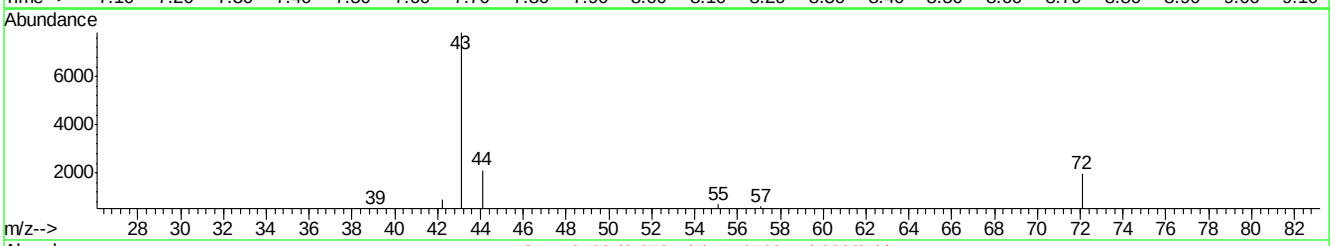
Quantitation Report (Qedit)

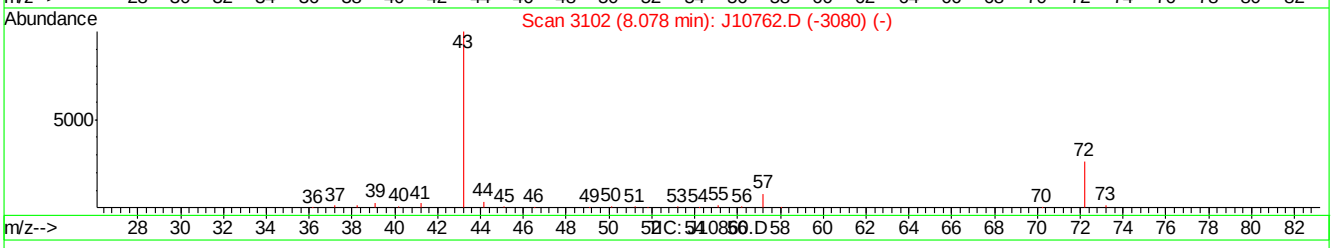
Data File : C:\MSDChem\1\data\J10860.D Vial: 1
Acq On : 5 Jul 2007 10:47 am Operator: danat
Sample : ic562-0.5 (M210) Inst : MSJ
Misc : MS13866, MSJ562,,,,,1 Multiplr: 1.00
MS Integration Params: LSCINT.P

Quant Time: Jul 05 11:24:40 2007 Results File: J070507T.RES

Method : C:\MSDCHEM\1\METHODS\J070507T.M (RTE Integrator)
Title : TO15 by GCMS w/DB-1 60 m X .25 mm ID 1.0 um
Last Update : Thu Jul 05 11:24:31 2007
Response via : Multiple Level Calibration







(28) METHYL ETHYL KETONE (m)

8.10min 0.44PPBV

response 16344

Ion	Exp%	Act%
43.00	100	100
57.00	8.00	7.71
72.00	26.40	24.93
0.00	0.00	0.00

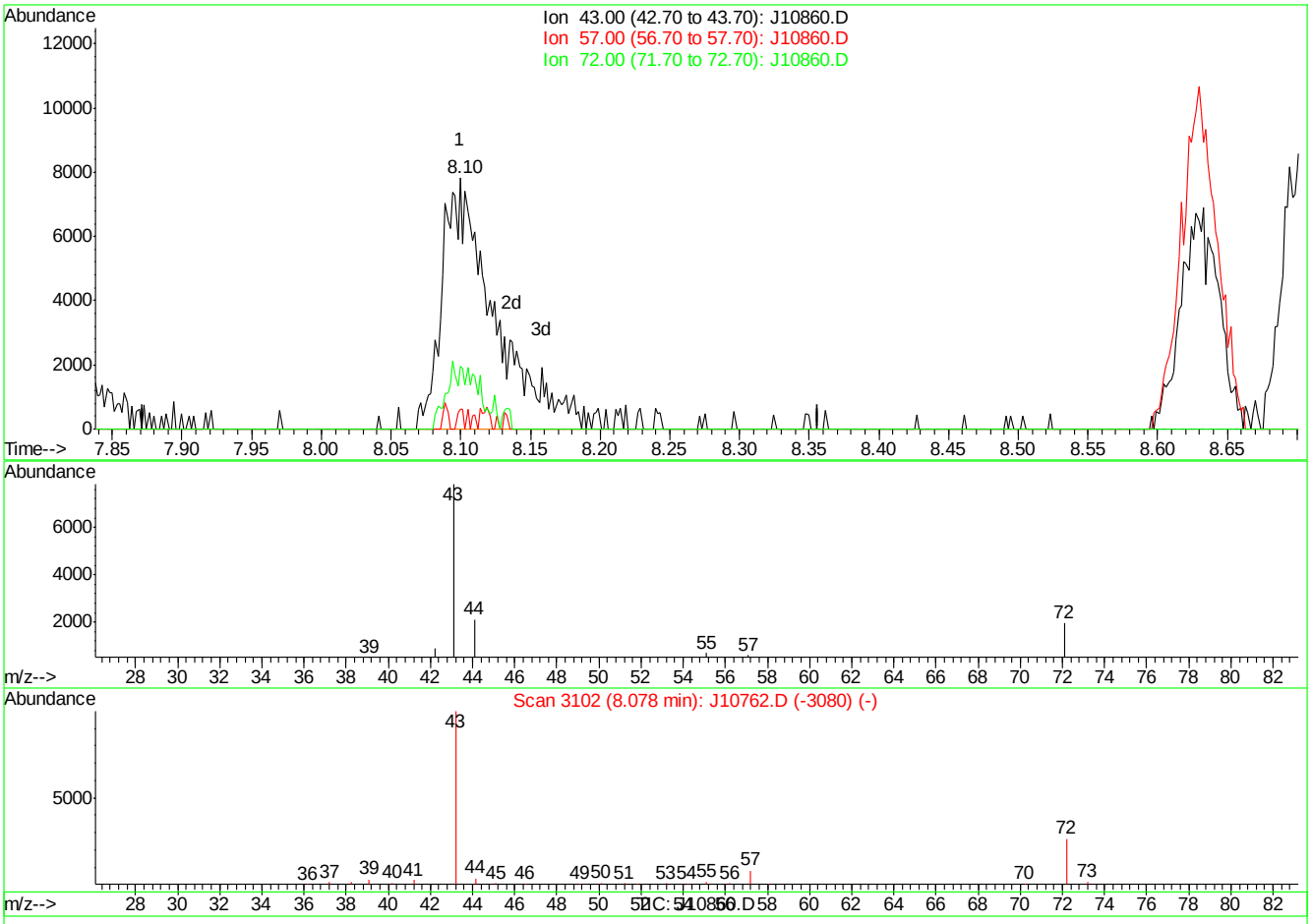
J10860.D J070507T.M Thu Jul 05 11:28:12 2007

Quantitation Report (Qedit)

Data File : C:\MSDChem\1\data\J10860.D Vial: 1
Acq On : 5 Jul 2007 10:47 am Operator: danat
Sample : ic562-0.5 (M210) Inst : MSJ
Misc : MS13866, MSJ562,,,,,1 Multiplr: 1.00
MS Integration Params: LSCINT.P

Quant Time: Jul 05 11:24:40 2007 Results File: J070507T.RES

Method : C:\MSDCHEM\1\METHODS\J070507T.M (RTE Integrator)
Title : TO15 by GCMS w/DB-1 60 m X .25 mm ID 1.0 um
Last Update : Thu Jul 05 11:24:31 2007
Response via : Multiple Level Calibration



(28) METHYL ETHYL KETONE (m)

8.10min 0.54PPBV m

response 20284

Ion	Exp%	Act%
43.00	100	100
57.00	8.00	7.71
72.00	26.40	24.93
0.00	0.00	0.00

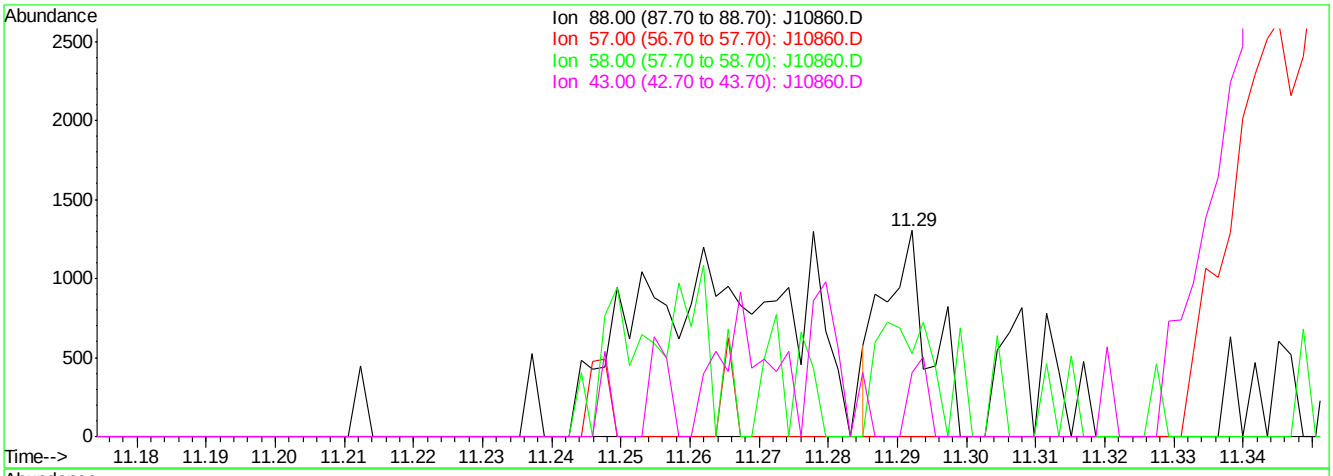
J10860.D J070507T.M Thu Jul 05 11:28:19 2007

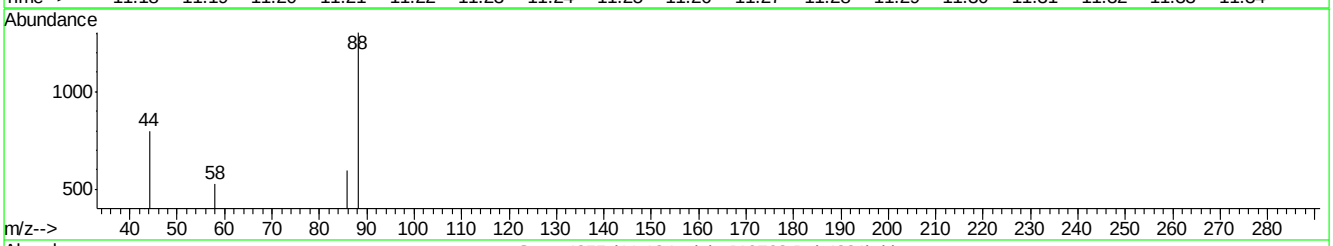
Quantitation Report (Qedit)

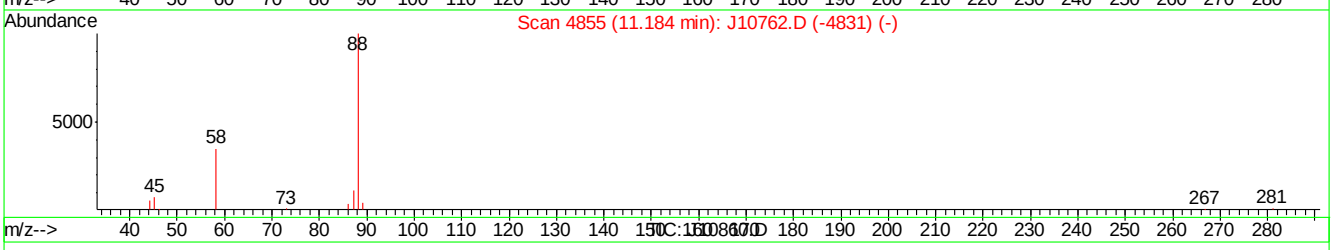
Data File : C:\MSDChem\1\data\J10860.D Vial: 1
Acq On : 5 Jul 2007 10:47 am Operator: danat
Sample : ic562-0.5 (M210) Inst : MSJ
Misc : MS13866, MSJ562,,,,,1 Multiplr: 1.00
MS Integration Params: LSCINT.P

Quant Time: Jul 05 11:24:40 2007 Results File: J070507T.RES

Method : C:\MSDCHEM\1\METHODS\J070507T.M (RTE Integrator)
Title : TO15 by GCMS w/DB-1 60 m X .25 mm ID 1.0 um
Last Update : Thu Jul 05 11:24:31 2007
Response via : Multiple Level Calibration







(42) 1,4-DIOXANE (m)

11.29min 0.05PPBV

response 606

Ion	Exp%	Act%
88.00	100	100
57.00	19.90	0.00
58.00	51.60	40.34
43.00	30.20	30.75

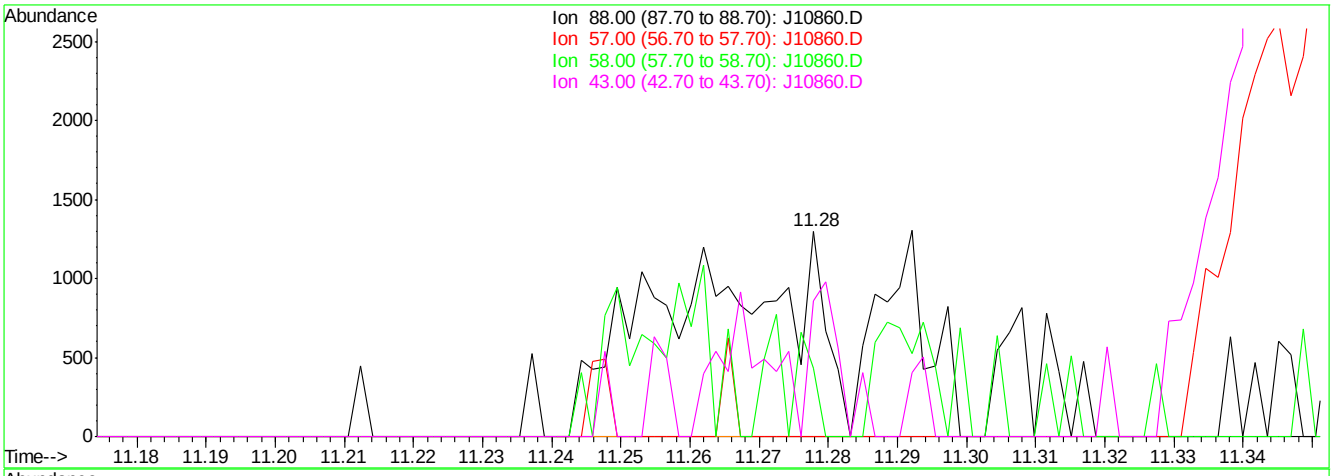
J10860.D J070507T.M Thu Jul 05 11:28:38 2007

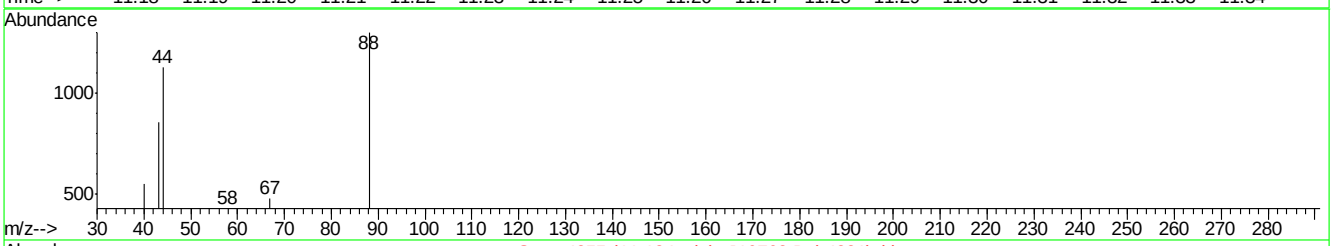
Quantitation Report (Qedit)

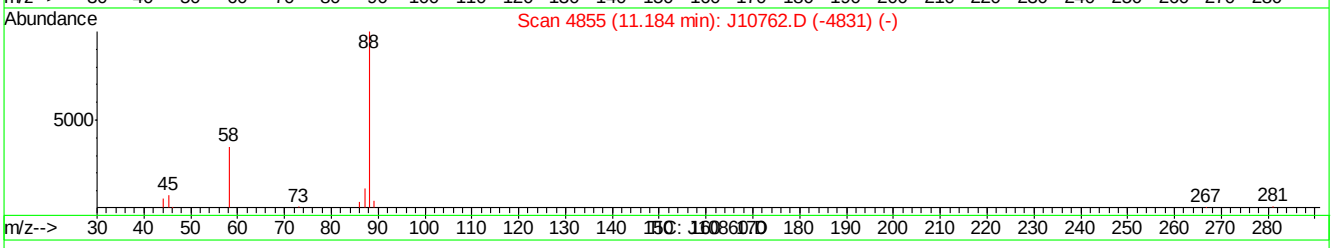
Data File : C:\MSDChem\1\data\J10860.D Vial: 1
Acq On : 5 Jul 2007 10:47 am Operator: danat
Sample : ic562-0.5 (M210) Inst : MSJ
Misc : MS13866, MSJ562,,,,,1 Multiplr: 1.00
MS Integration Params: LSCINT.P

Quant Time: Jul 05 11:24:40 2007 Results File: J070507T.RES

Method : C:\MSDCHEM\1\METHODS\J070507T.M (RTE Integrator)
Title : TO15 by GCMS w/DB-1 60 m X .25 mm ID 1.0 um
Last Update : Thu Jul 05 11:24:31 2007
Response via : Multiple Level Calibration







(42) 1,4-DIOXANE (m)

11.28min 0.16PPBV m

response 1834

Ion	Exp%	Act%
88.00	100	100
57.00	19.90	0.00
58.00	51.60	33.05
43.00	30.20	65.80#

J10860.D J070507T.M Thu Jul 05 11:28:45 2007

Manual Integrations APPROVED (compounds with "m" flag)
Doug Yargeau
07/11/07 09:41

Quantitation Report (QT Reviewed)

Data Path : C:\MSDChem\1\data\
Data File : J10861.D
Acq On : 5 Jul 2007 11:40 am
Operator : danat
Sample : ic562-0.2 (M210)
Misc : MS13866, MSJ562,,,,,1
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Jul 05 12:10:09 2007
Quant Method : C:\MSDCHEM\1\METHODS\J070507T.M
Quant Title : TO15 by GCMS w/DB-1 60 m X .25 mm ID 1.0 um
QLast Update : Thu Jul 05 11:24:31 2007
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) BROMOCHLOROMETHANE	8.61	128	314205	10.00	PPBV	-0.01
35) 1,4-DIFLUOROBENZENE	10.43	114	1315959	10.00	PPBV	-0.01
49) CHLOROBENZENE-D5	14.66	117	1039945	10.00	PPBV	-0.01

System Monitoring Compounds

61) 4-BROMOFLUOROBENZENE	16.28	95	267857	4.08	PPBV	-0.01

Spiked Amount 5.000 Range 51 - 142 Recovery = 81.60%

Target Compounds						Qvalue
2) DICHLORODIFLUOROMETHANE	4.06	85	21186	0.19	PPBV	95
3) PROPYLENE	4.00	41	2114	0.13	PPBV	87
4) FREON 114	4.32	85	18384	0.19	PPBV	92
5) CHLOROMETHANE	4.23	50	4882	0.20	PPBV #	41
6) VINYL CHLORIDE	4.44	62	4391	0.16	PPBV #	52
7) 1,3-BUTADIENE	4.58	39	2547m	0.13	PPBV	
8) BROMOMETHANE	4.84	94	5275m	0.17	PPBV	
9) CHLOROETHANE	5.02	64	1880m	0.15	PPBV	
10) TRICHLOROFLUOROMETHANE	5.79	101	20139	0.17	PPBV	97
12) ACETONE	5.70	43	9476	0.16	PPBV	69
13) PENTANE	6.14	42	4698	0.16	PPBV #	13
14) 1,1-DICHLOROETHYLENE	6.42	96	3387	0.11	PPBV #	84
15) CARBON DISULFIDE	6.84	76	16228	0.18	PPBV	89
17) BROMOETHENE	5.38	106	3106	0.10	PPBV #	76
18) METHYLENE CHLORIDE	6.54	84	14497	0.26	PPBV	93
20) FREON 113	6.78	151	14135	0.19	PPBV	94
21) TRANS-1,2-DICHLOROETHYLENE	7.46	96	3716	0.13	PPBV #	12
23) METHYL TERTIARY BUTYL ETHE	7.77	73	6299	0.11	PPBV #	65
25) HEXANE	8.62	57	7032	0.19	PPBV	82
27) 1,1-DICHLOROETHANE	7.65	63	8089m	0.16	PPBV	
28) METHYL ETHYL KETONE	8.13	43	5695m	0.15	PPBV	
29) cis-1,2-DICHLOROETHYLENE	8.45	96	3794m	0.14	PPBV	
30) ETHYL ACETATE	8.73	43	6106	0.16	PPBV #	94
31) CHLOROFORM	8.73	83	12578	0.18	PPBV	97
32) 1,1,1-TRICHLOROETHANE	9.67	97	12874	0.16	PPBV	96
33) CARBON TETRACHLORIDE	10.25	117	16993	0.17	PPBV	98
34) 1,2-DICHLOROETHANE	9.44	62	5489	0.13	PPBV	74
36) BENZENE	10.11	78	7215	0.12	PPBV	95
38) TRICHLOROETHYLENE	11.10	95	4041	0.12	PPBV #	54
39) 1,2-DICHLOROPROPANE	10.89	63	3124	0.15	PPBV #	37
40) BROMODICHLOROMETHANE	11.08	83	10388	0.17	PPBV	92
41) 2,2,4-TRIMETHYLPENTANE	11.12	57	8438	0.09	PPBV	85
48) 1,1,2-TRICHLOROETHANE	12.62	83	3088	0.14	PPBV	92
51) TETRACHLOROETHYLENE	14.01	164	5048	0.15	PPBV	92
52) DIBROMOCHLOROMETHANE	13.32	129	7812	0.15	PPBV	94
53) 1,2-DIBROMOETHANE	13.56	107	5001	0.15	PPBV #	97
54) CHLOROBENZENE	14.71	112	9098	0.17	PPBV	97
56) m,p-XYLENE	15.25	106	4070	0.14	PPBV	90
60) BROMOFORM	15.39	173	6630	0.13	PPBV	96
62) 1,1,2,2-TETRACHLOROETHANE	15.79	83	7272	0.17	PPBV	94
68) m-DICHLOROBENZENE	17.91	146	5264	0.12	PPBV	97

Quantitation Report (QT Reviewed)

Data Path : C:\MSDChem\1\data\
Data File : J10861.D
Acq On : 5 Jul 2007 11:40 am
Operator : danat
Sample : ic562-0.2 (M210)
Misc : MS13866, MSJ562,,,,,1
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Jul 05 12:10:09 2007
Quant Method : C:\MSDCHEM\1\METHODS\J070507T.M
Quant Title : TO15 by GCMS w/DB-1 60 m X .25 mm ID 1.0 um
QLast Update : Thu Jul 05 11:24:31 2007
Response via : Initial Calibration

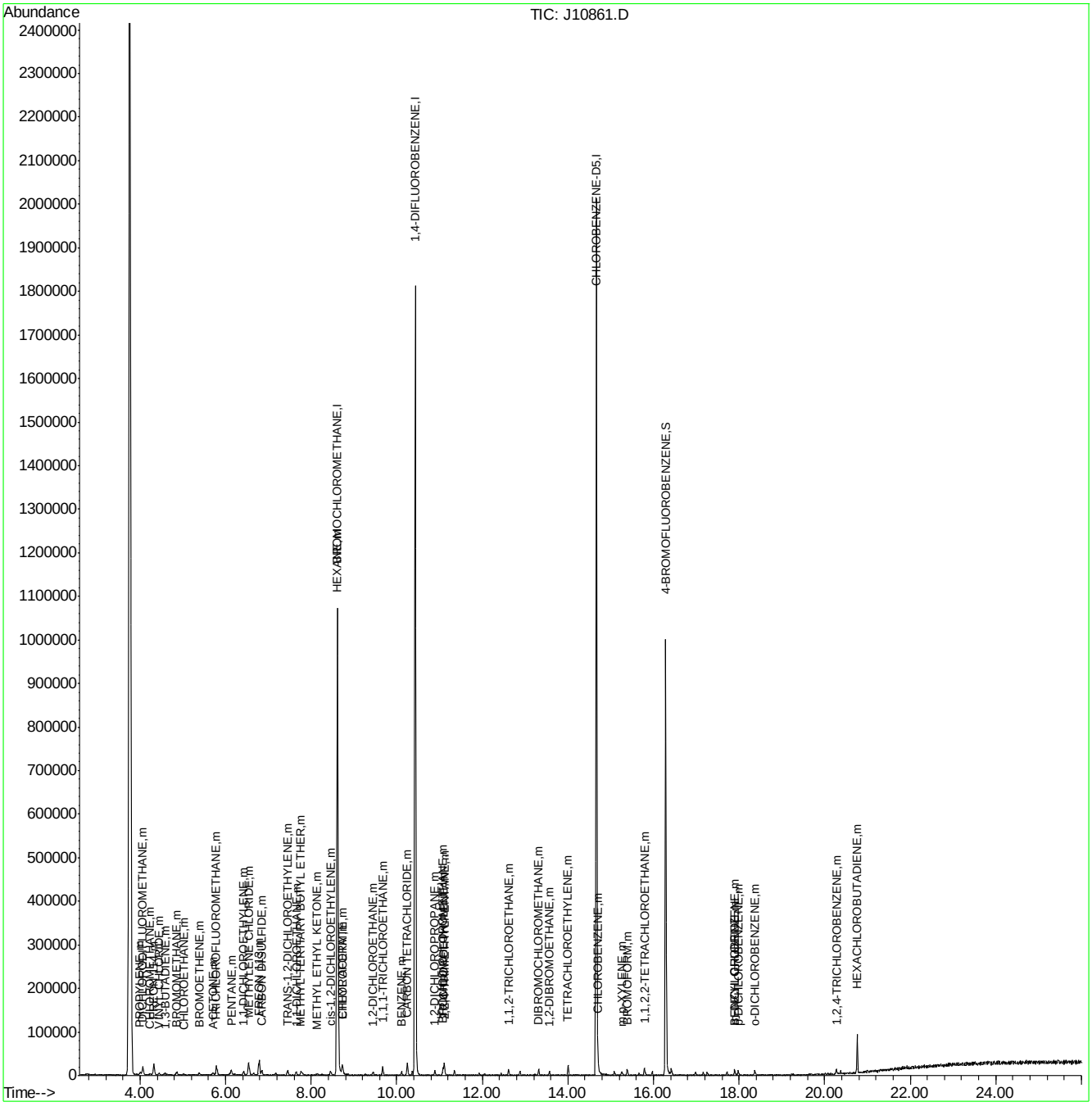
Internal Standards	R.T.	QIon	Response	Conc Units	Dev(Min)
69) BENZYL CHLORIDE	17.89	91	3365	0.10 PPBV	68
70) p-DICHLOROBENZENE	17.98	146	4657	0.12 PPBV	93
71) o-DICHLOROBENZENE	18.37	146	5188	0.13 PPBV	95
72) HEXACHLOROBUTADIENE	20.76	225	14766	0.39 PPBV	97
73) 1,2,4-TRICHLOROBENZENE	20.27	180	4132	0.26 PPBV	93

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

Quantitation Report (QT Reviewed)

Data Path : C:\MSDChem\1\data\
Data File : J10861.D
Acq On : 5 Jul 2007 11:40 am
Operator : danat
Sample : ic562-0.2 (M210)
Misc : MS13866, MSJ562,,,,,1
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Jul 05 12:10:09 2007
Quant Method : C:\MSDCHEM\1\METHODS\J070507T.M
Quant Title : TO15 by GCMS w/DB-1 60 m X .25 mm ID 1.0 um
QLast Update : Thu Jul 05 11:24:31 2007
Response via : Initial Calibration

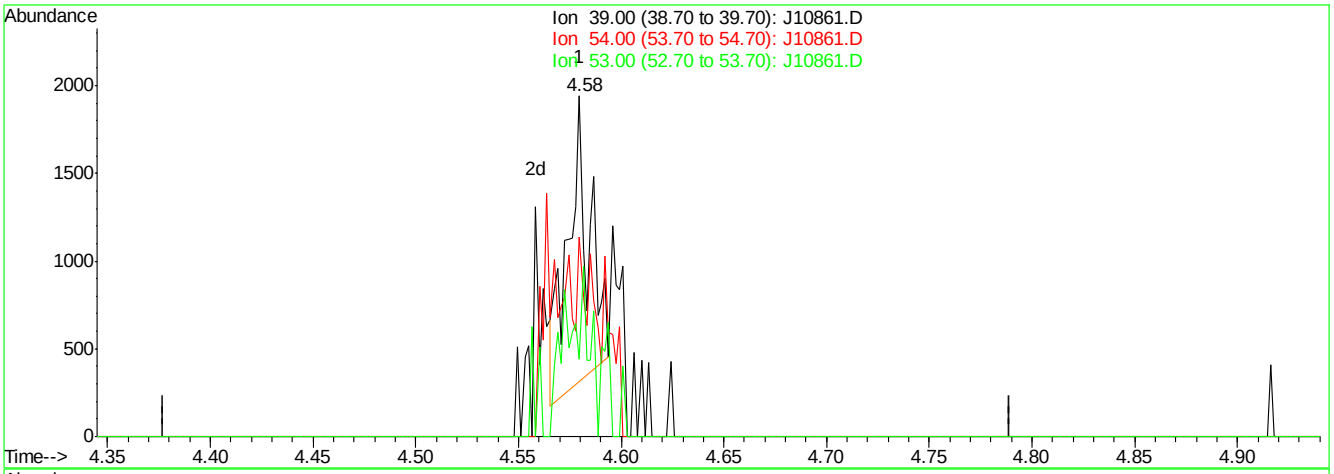


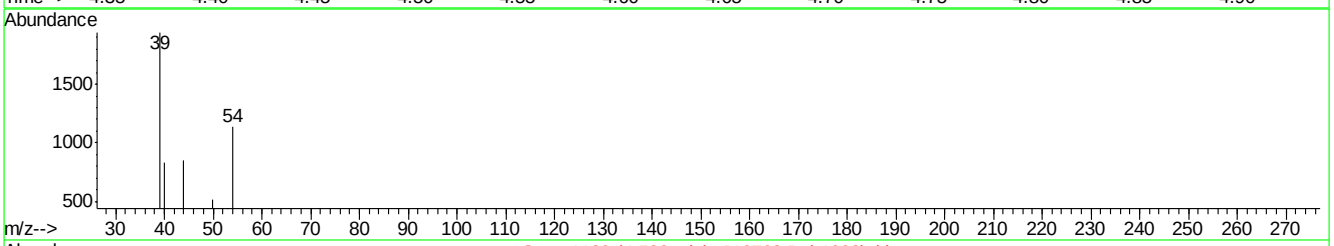
Quantitation Report (Qedit)

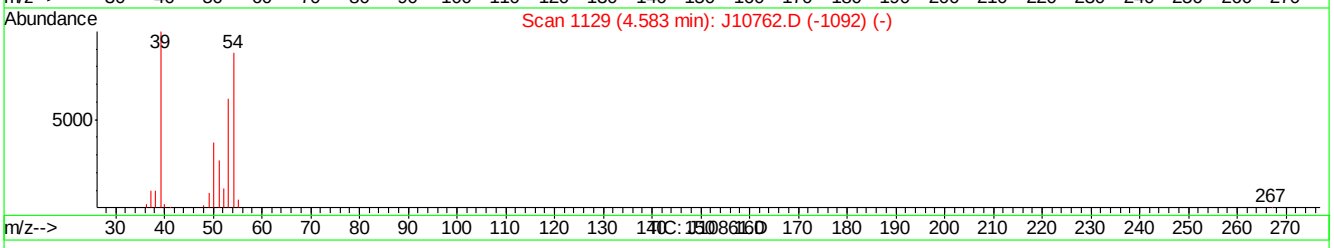
Data File : C:\MSDChem\1\data\J10861.D Vial: 1
Acq On : 5 Jul 2007 11:40 am Operator: danat
Sample : ic562-0.2 (M210) Inst : MSJ
Misc : MS13866, MSJ562,,,,,1 Multiplr: 1.00
MS Integration Params: LSCINT.P

Quant Time: Jul 05 12:06:13 2007 Results File: J070507T.RES

Method : C:\MSDCHEM\1\METHODS\J070507T.M (RTE Integrator)
Title : TO15 by GCMS w/DB-1 60 m X .25 mm ID 1.0 um
Last Update : Thu Jul 05 11:24:31 2007
Response via : Multiple Level Calibration







(7) 1,3-BUTADIENE (m)

4.58min 0.06PPBV

response 1190

Ion	Exp%	Act%
39.00	100	100
54.00	92.50	0.00#
53.00	65.20	52.27
0.00	0.00	0.00

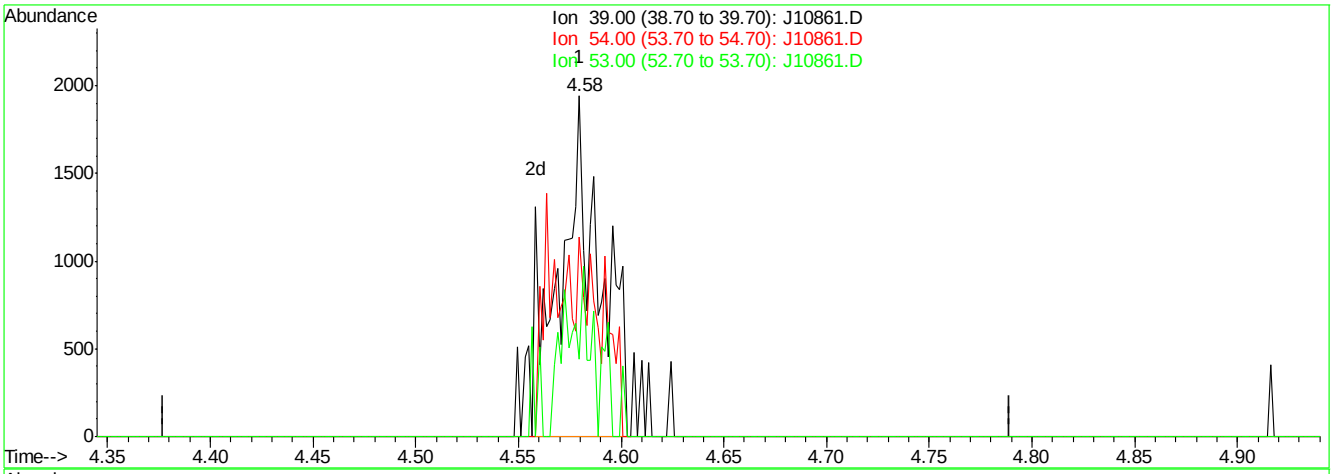
J10861.D J070507T.M Thu Jul 05 12:06:49 2007

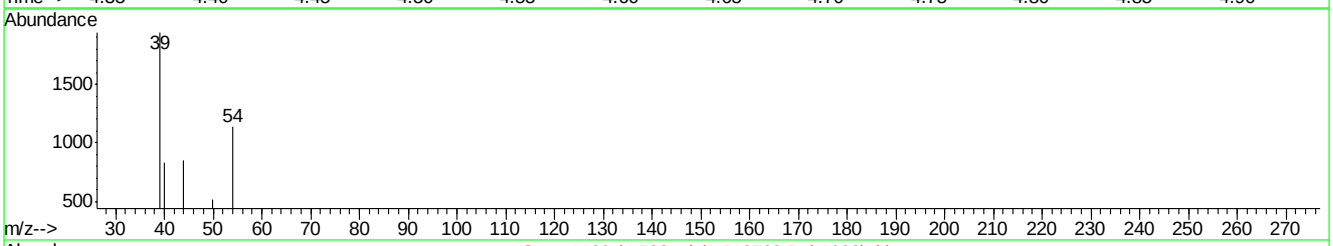
Quantitation Report (Qedit)

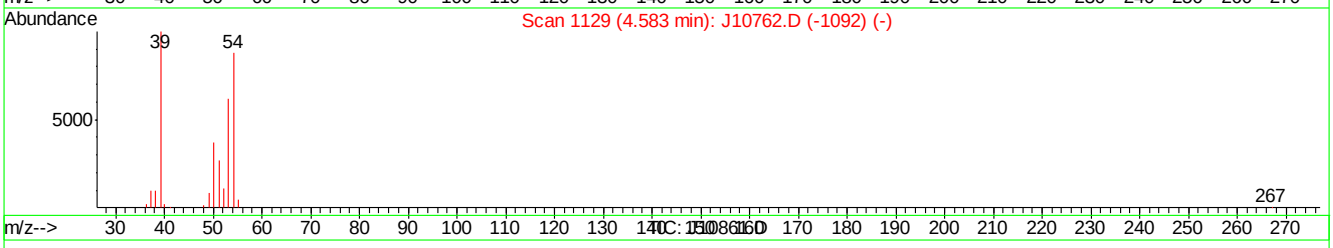
Data File : C:\MSDChem\1\data\J10861.D Vial: 1
Acq On : 5 Jul 2007 11:40 am Operator: danat
Sample : ic562-0.2 (M210) Inst : MSJ
Misc : MS13866, MSJ562,,,,,1 Multiplr: 1.00
MS Integration Params: LSCINT.P

Quant Time: Jul 05 12:06:13 2007 Results File: J070507T.RES

Method : C:\MSDCHEM\1\METHODS\J070507T.M (RTE Integrator)
Title : TO15 by GCMS w/DB-1 60 m X .25 mm ID 1.0 um
Last Update : Thu Jul 05 11:24:31 2007
Response via : Multiple Level Calibration







(7) 1,3-BUTADIENE (m)

4.58min 0.13PPBV m

response 2547

Ion	Exp%	Act%
39.00	100	100
54.00	92.50	0.00#
53.00	65.20	24.42#
0.00	0.00	0.00

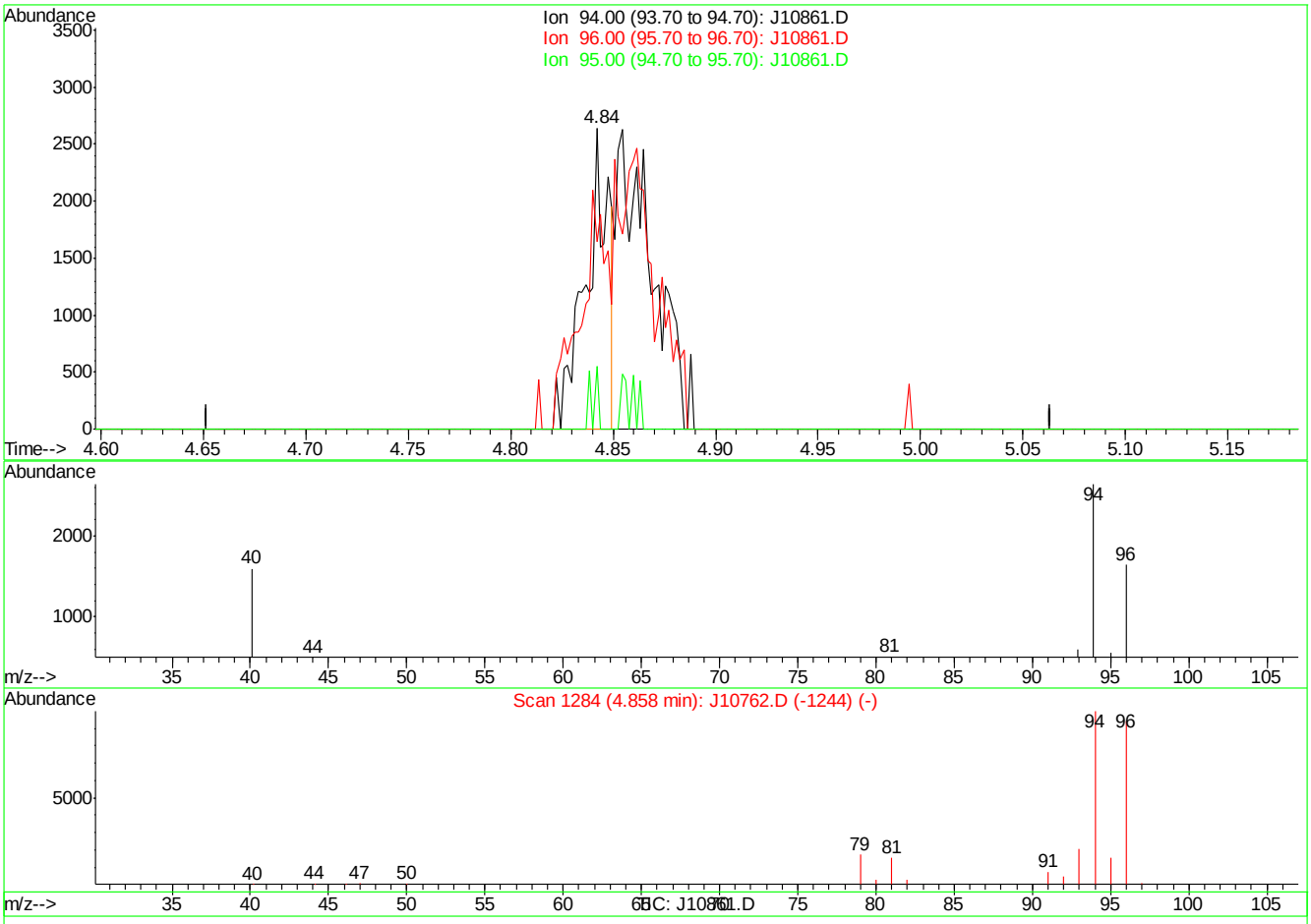
J10861.D J070507T.M Thu Jul 05 12:06:58 2007

Quantitation Report (Qedit)

Data File : C:\MSDChem\1\data\J10861.D Vial: 1
Acq On : 5 Jul 2007 11:40 am Operator: danat
Sample : ic562-0.2 (M210) Inst : MSJ
Misc : MS13866, MSJ562,,,,,1 Multiplr: 1.00
MS Integration Params: LSCINT.P

Quant Time: Jul 05 12:06:13 2007 Results File: J070507T.RES

Method : C:\MSDCHEM\1\METHODS\J070507T.M (RTE Integrator)
Title : TO15 by GCMS w/DB-1 60 m X .25 mm ID 1.0 um
Last Update : Thu Jul 05 11:24:31 2007
Response via : Multiple Level Calibration



(8) BROMOMETHANE (m)

4.84min 0.06PPBV

response 2038

Ion	Exp%	Act%
94.00	100	100
96.00	94.50	93.77
95.00	15.50	5.54
0.00	0.00	0.00

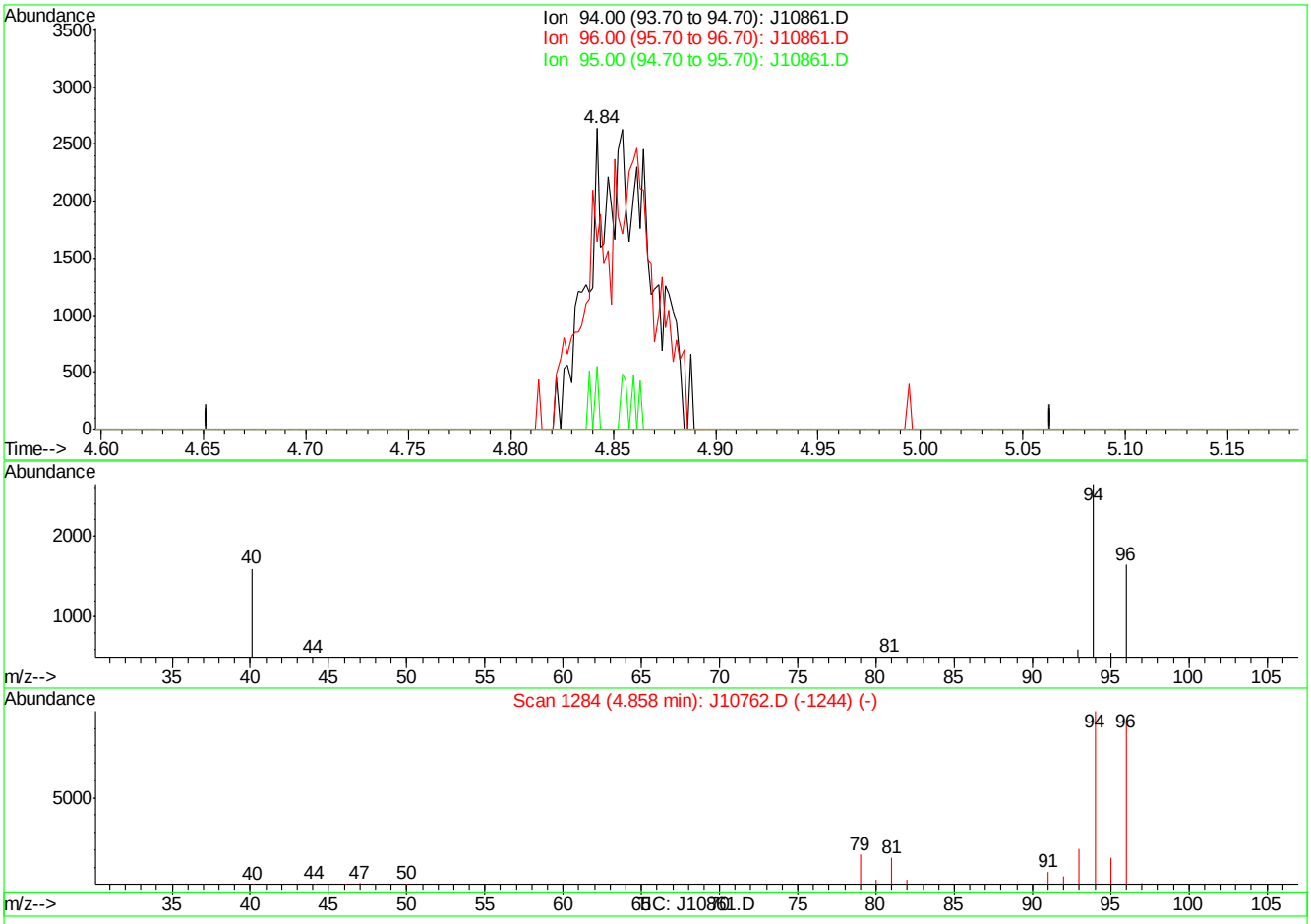
J10861.D J070507T.M Thu Jul 05 12:07:03 2007

Quantitation Report (Qedit)

Data File : C:\MSDChem\1\data\J10861.D Vial: 1
Acq On : 5 Jul 2007 11:40 am Operator: danat
Sample : ic562-0.2 (M210) Inst : MSJ
Misc : MS13866, MSJ562,,,,,1 Multiplr: 1.00
MS Integration Params: LSCINT.P

Quant Time: Jul 05 12:06:13 2007 Results File: J070507T.RES

Method : C:\MSDCHEM\1\METHODS\J070507T.M (RTE Integrator)
Title : TO15 by GCMS w/DB-1 60 m X .25 mm ID 1.0 um
Last Update : Thu Jul 05 11:24:31 2007
Response via : Multiple Level Calibration



(8) BROMOMETHANE (m)

4.84min 0.17PPBV m

response 5275

Ion	Exp%	Act%
94.00	100	100
96.00	94.50	36.23#
95.00	15.50	2.14
0.00	0.00	0.00

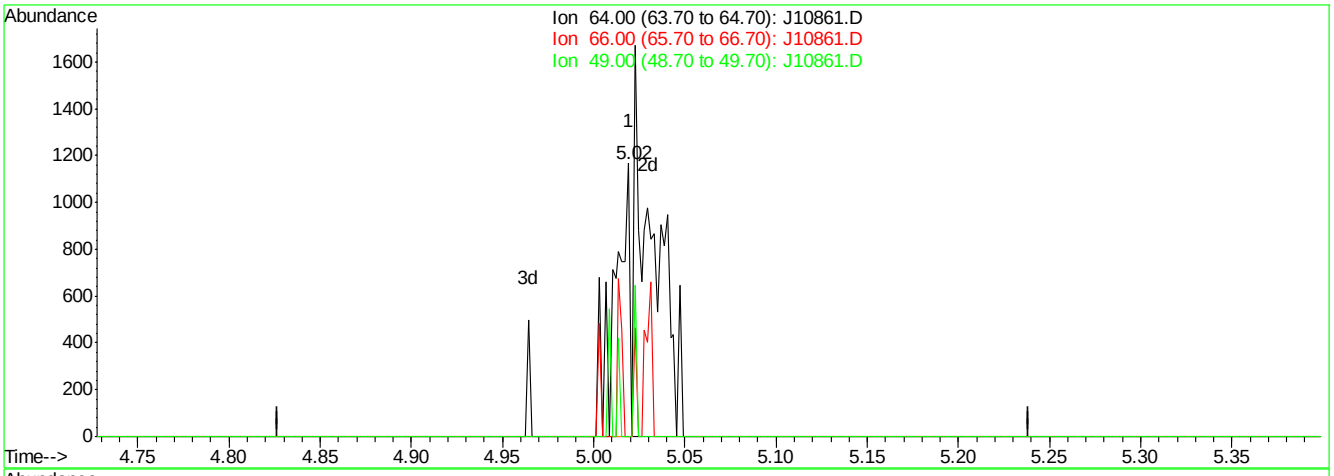
J10861.D J070507T.M Thu Jul 05 12:07:08 2007

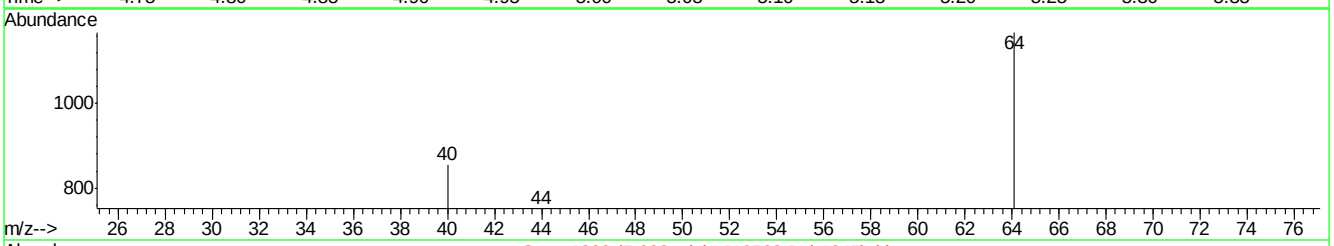
Quantitation Report (Qedit)

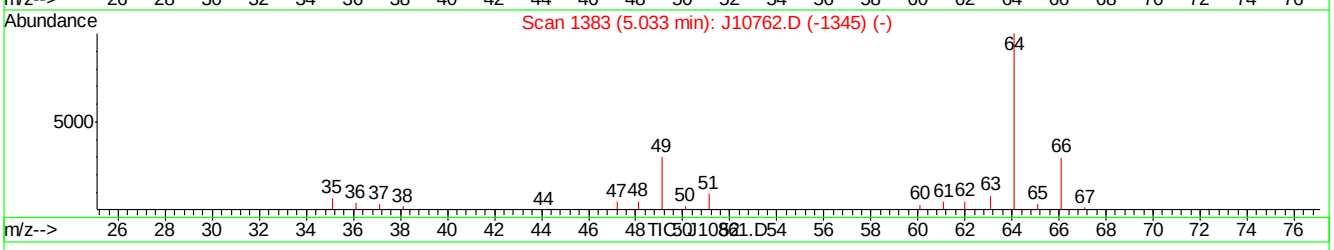
Data File : C:\MSDChem\1\data\J10861.D Vial: 1
Acq On : 5 Jul 2007 11:40 am Operator: danat
Sample : ic562-0.2 (M210) Inst : MSJ
Misc : MS13866, MSJ562,,,,,1 Multiplr: 1.00
MS Integration Params: LSCINT.P

Quant Time: Jul 05 12:06:13 2007 Results File: J070507T.RES

Method : C:\MSDCHEM\1\METHODS\J070507T.M (RTE Integrator)
Title : TO15 by GCMS w/DB-1 60 m X .25 mm ID 1.0 um
Last Update : Thu Jul 05 11:24:31 2007
Response via : Multiple Level Calibration







(9) CHLOROETHANE (m)

5.02min 0.05PPBV

response 658

Ion	Exp%	Act%
64.00	100	100
66.00	33.20	18.24
49.00	30.60	15.65
0.00	0.00	0.00

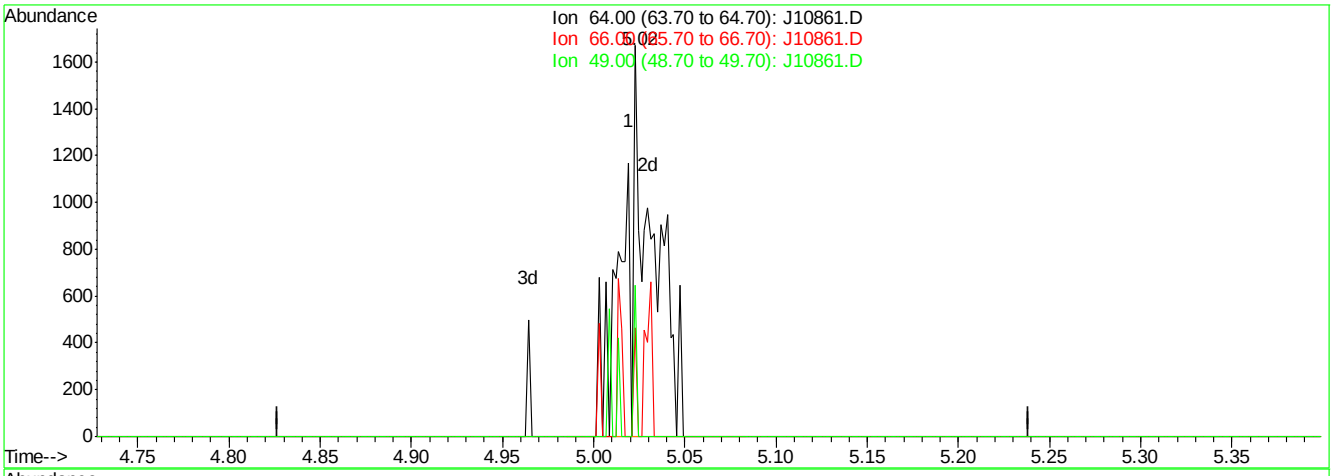
J10861.D J070507T.M Thu Jul 05 12:07:13 2007

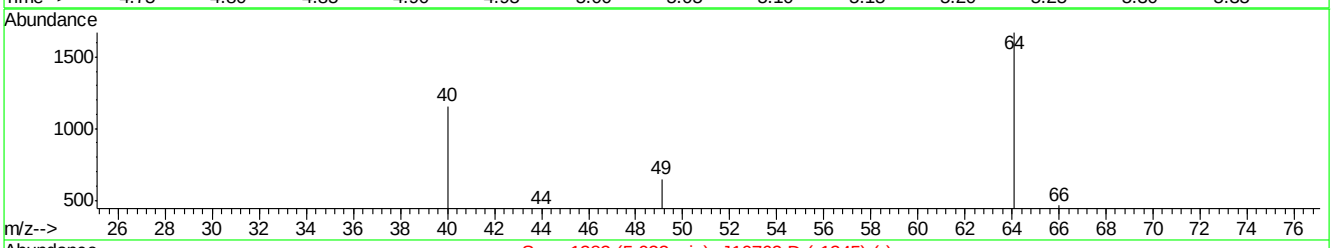
Quantitation Report (Qedit)

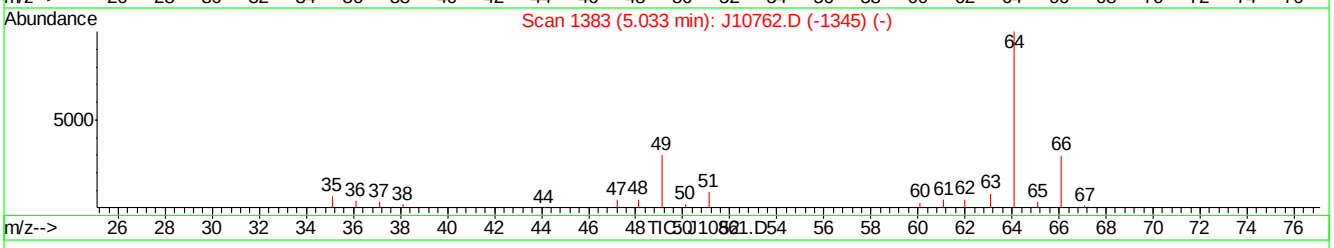
Data File : C:\MSDChem\1\data\J10861.D Vial: 1
Acq On : 5 Jul 2007 11:40 am Operator: danat
Sample : ic562-0.2 (M210) Inst : MSJ
Misc : MS13866, MSJ562,,,,,1 Multiplr: 1.00
MS Integration Params: LSCINT.P

Quant Time: Jul 05 12:06:13 2007 Results File: J070507T.RES

Method : C:\MSDCHEM\1\METHODS\J070507T.M (RTE Integrator)
Title : TO15 by GCMS w/DB-1 60 m X .25 mm ID 1.0 um
Last Update : Thu Jul 05 11:24:31 2007
Response via : Multiple Level Calibration







(9) CHLOROETHANE (m)

5.02min 0.15PPBV m

response 1880

Ion	Exp%	Act%
64.00	100	100
66.00	33.20	6.38#
49.00	30.60	5.48#
0.00	0.00	0.00

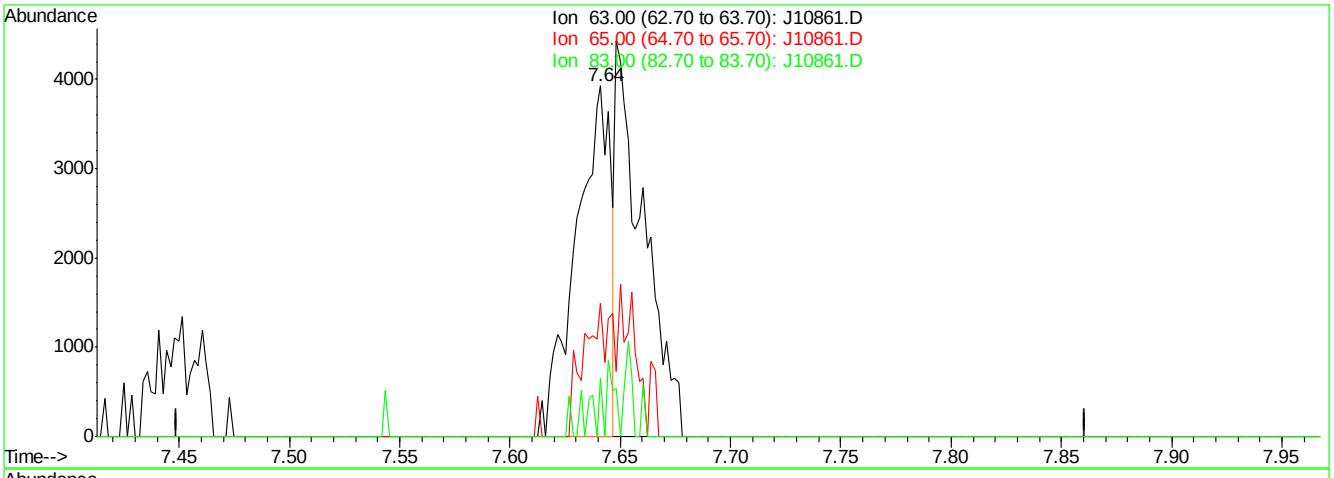
J10861.D J070507T.M Thu Jul 05 12:07:16 2007

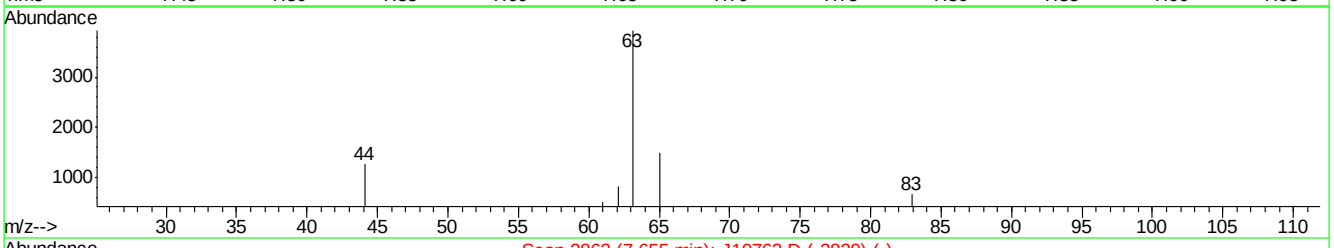
Quantitation Report (Qedit)

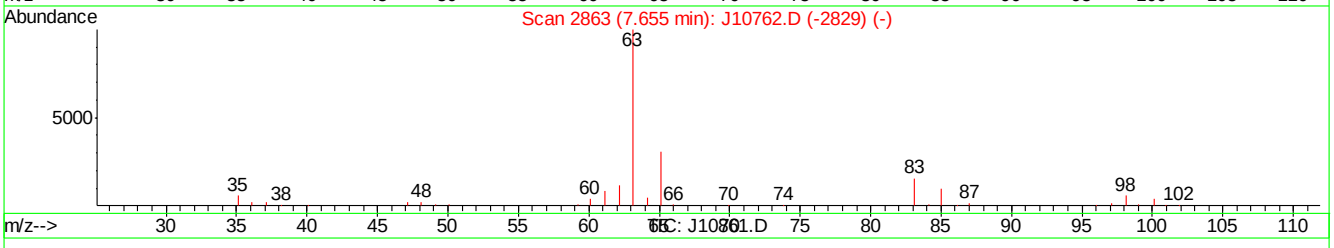
Data File : C:\MSDChem\1\data\J10861.D Vial: 1
Acq On : 5 Jul 2007 11:40 am Operator: danat
Sample : ic562-0.2 (M210) Inst : MSJ
Misc : MS13866, MSJ562,,,,,1 Multiplr: 1.00
MS Integration Params: LSCINT.P

Quant Time: Jul 05 12:06:13 2007 Results File: J070507T.RES

Method : C:\MSDCHEM\1\METHODS\J070507T.M (RTE Integrator)
Title : TO15 by GCMS w/DB-1 60 m X .25 mm ID 1.0 um
Last Update : Thu Jul 05 11:24:31 2007
Response via : Multiple Level Calibration







(27) 1,1-DICHLOROETHANE (m)

7.64min 0.08PPBV

response 4190

Ion	Exp%	Act%
63.00	100	100
65.00	32.30	0.00#
83.00	15.10	4.68
0.00	0.00	0.00

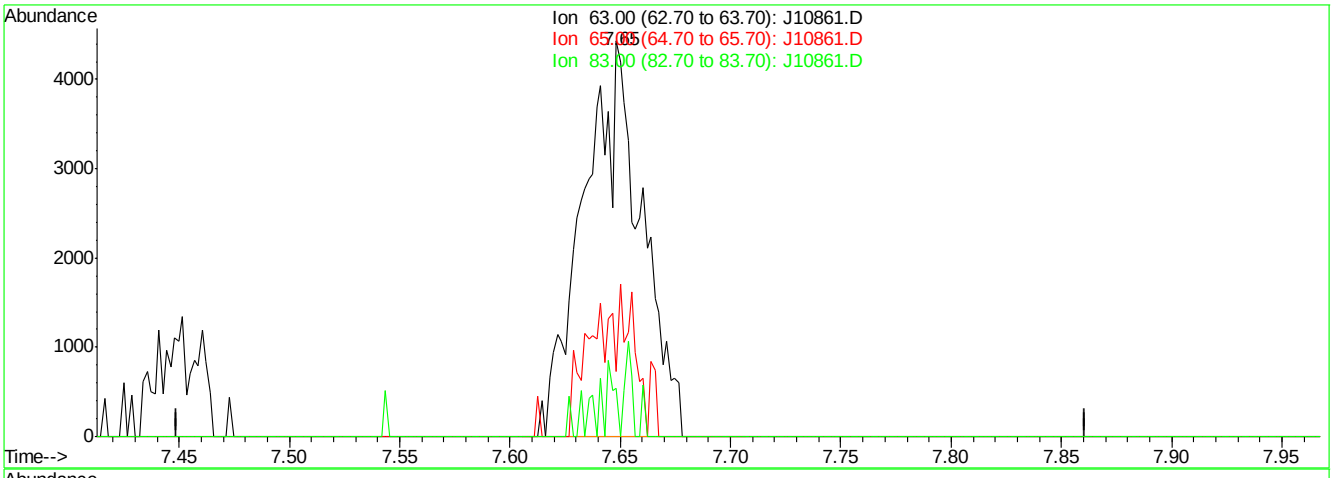
J10861.D J070507T.M Thu Jul 05 12:08:09 2007

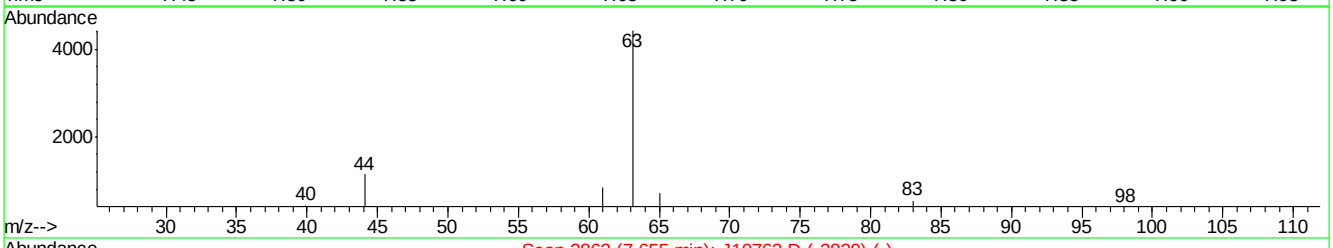
Quantitation Report (Qedit)

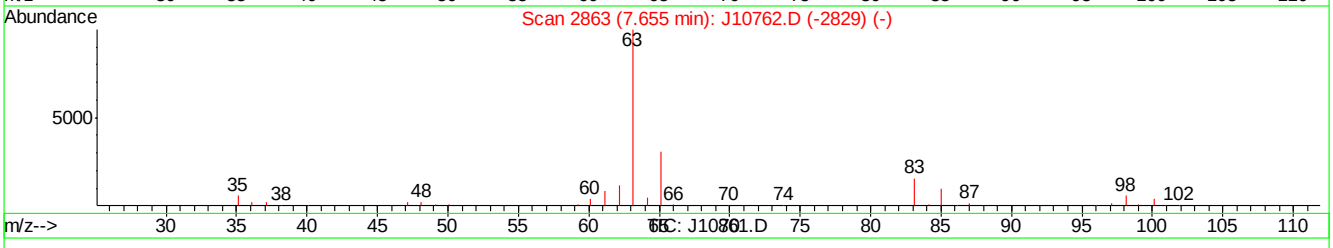
Data File : C:\MSDChem\1\data\J10861.D Vial: 1
Acq On : 5 Jul 2007 11:40 am Operator: danat
Sample : ic562-0.2 (M210) Inst : MSJ
Misc : MS13866, MSJ562,,,,,1 Multiplr: 1.00
MS Integration Params: LSCINT.P

Quant Time: Jul 05 12:06:13 2007 Results File: J070507T.RES

Method : C:\MSDCHEM\1\METHODS\J070507T.M (RTE Integrator)
Title : TO15 by GCMS w/DB-1 60 m X .25 mm ID 1.0 um
Last Update : Thu Jul 05 11:24:31 2007
Response via : Multiple Level Calibration







(27) 1,1-DICHLOROETHANE (m)

7.65min 0.16PPBV m

response 8089

Ion	Exp%	Act%
63.00	100	100
65.00	32.30	0.00#
83.00	15.10	2.42
0.00	0.00	0.00

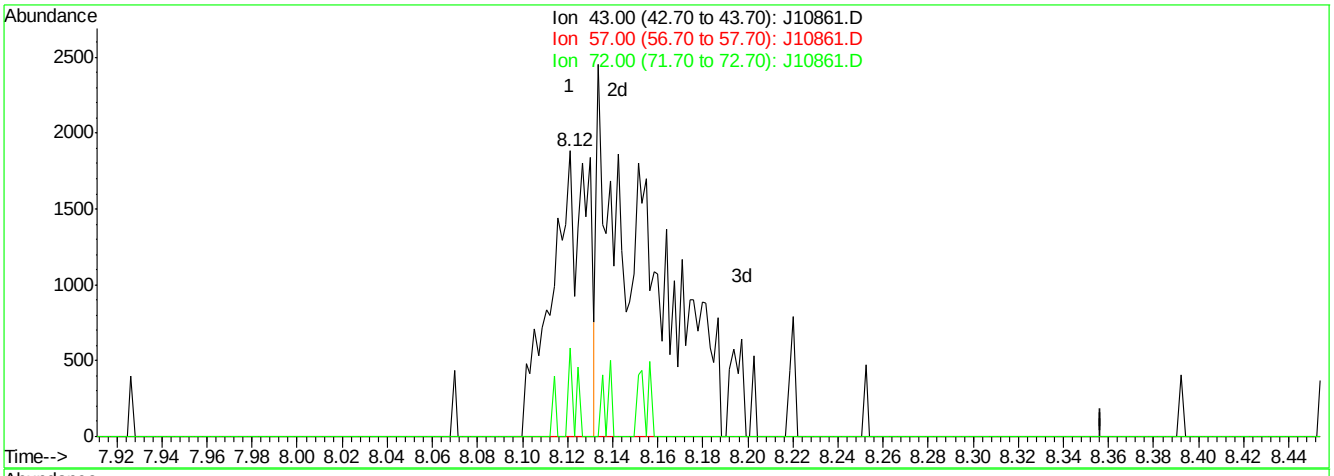
J10861.D J070507T.M Thu Jul 05 12:08:13 2007

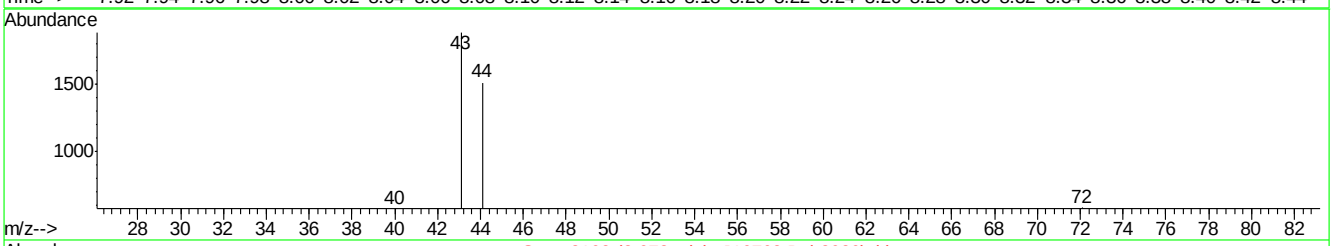
Quantitation Report (Qedit)

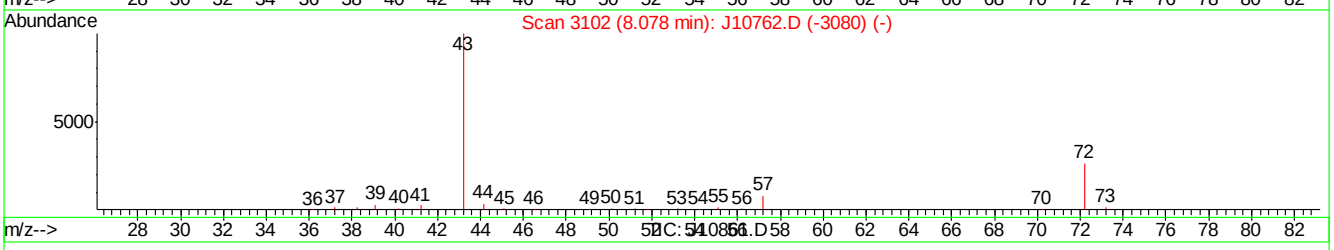
Data File : C:\MSDChem\1\data\J10861.D Vial: 1
Acq On : 5 Jul 2007 11:40 am Operator: danat
Sample : ic562-0.2 (M210) Inst : MSJ
Misc : MS13866, MSJ562,,,,,1 Multiplr: 1.00
MS Integration Params: LSCINT.P

Quant Time: Jul 05 12:06:13 2007 Results File: J070507T.RES

Method : C:\MSDCHEM\1\METHODS\J070507T.M (RTE Integrator)
Title : TO15 by GCMS w/DB-1 60 m X .25 mm ID 1.0 um
Last Update : Thu Jul 05 11:24:31 2007
Response via : Multiple Level Calibration







(28) METHYL ETHYL KETONE (m)

8.12min 0.05PPBV

response 2089

Ion	Exp%	Act%
43.00	100	100
57.00	8.00	0.00
72.00	26.40	30.96
0.00	0.00	0.00

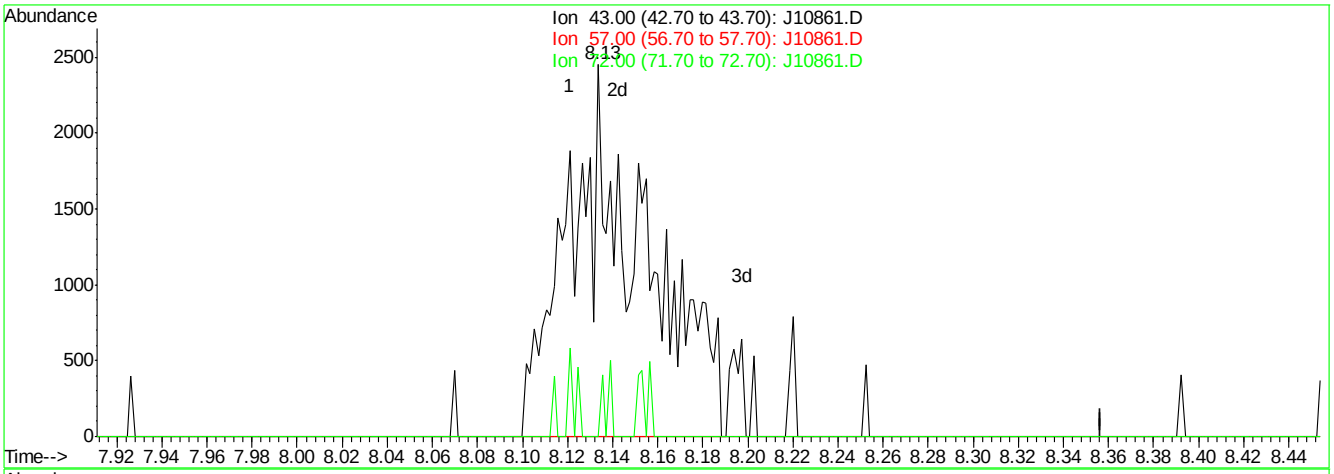
J10861.D J070507T.M Thu Jul 05 12:08:19 2007

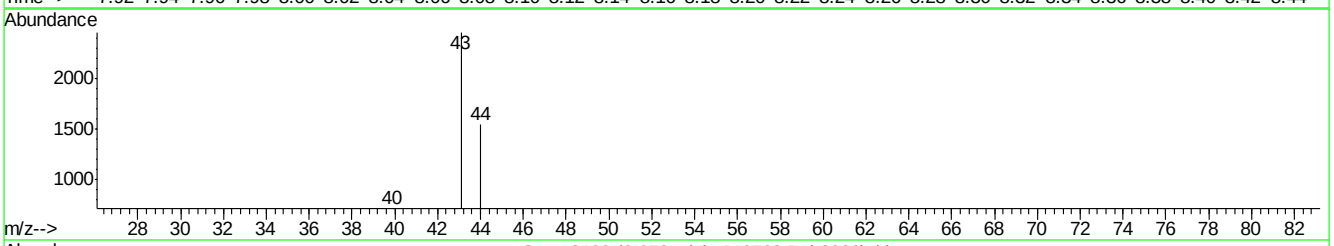
Quantitation Report (Qedit)

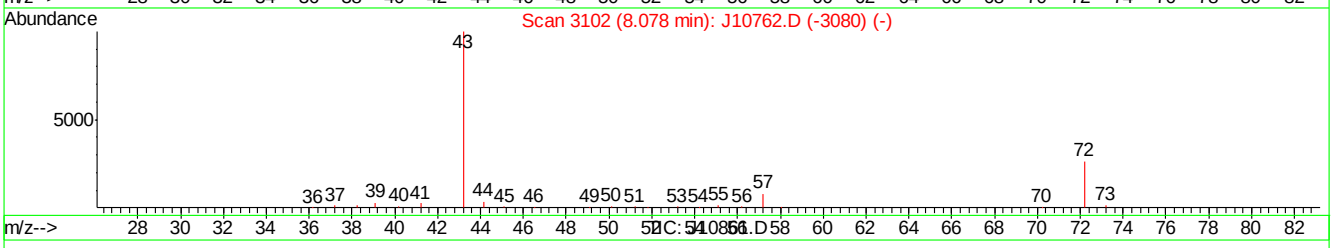
Data File : C:\MSDChem\1\data\J10861.D Vial: 1
Acq On : 5 Jul 2007 11:40 am Operator: danat
Sample : ic562-0.2 (M210) Inst : MSJ
Misc : MS13866, MSJ562,,,,,1 Multiplr: 1.00
MS Integration Params: LSCINT.P

Quant Time: Jul 05 12:06:13 2007 Results File: J070507T.RES

Method : C:\MSDCHEM\1\METHODS\J070507T.M (RTE Integrator)
Title : TO15 by GCMS w/DB-1 60 m X .25 mm ID 1.0 um
Last Update : Thu Jul 05 11:24:31 2007
Response via : Multiple Level Calibration







(28) METHYL ETHYL KETONE (m)

8.13min 0.15PPBV m

response 5695

Ion	Exp%	Act%
43.00	100	100
57.00	8.00	0.00
72.00	26.40	0.00#
0.00	0.00	0.00

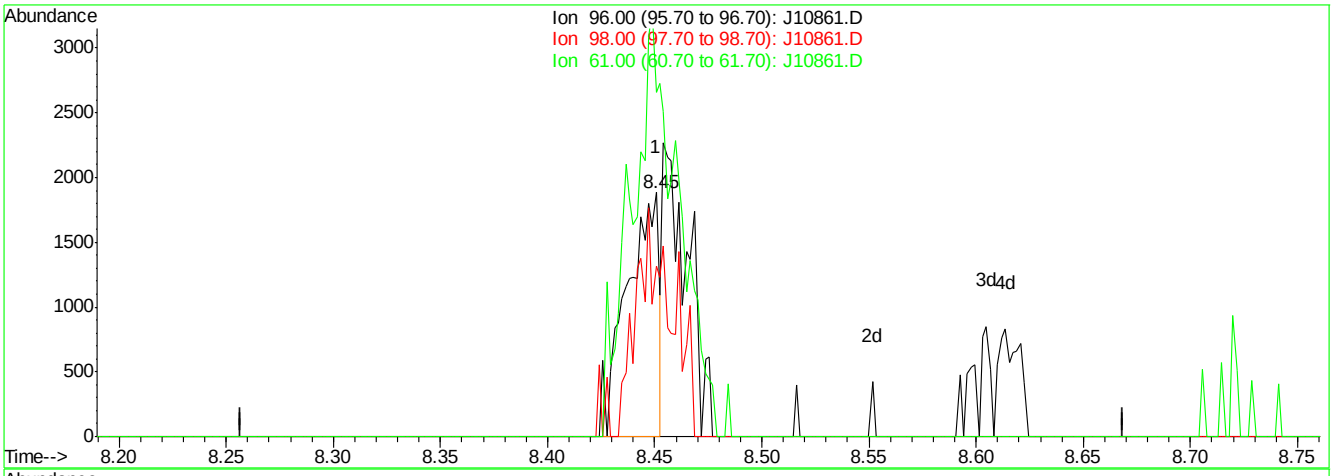
J10861.D J070507T.M Thu Jul 05 12:08:24 2007

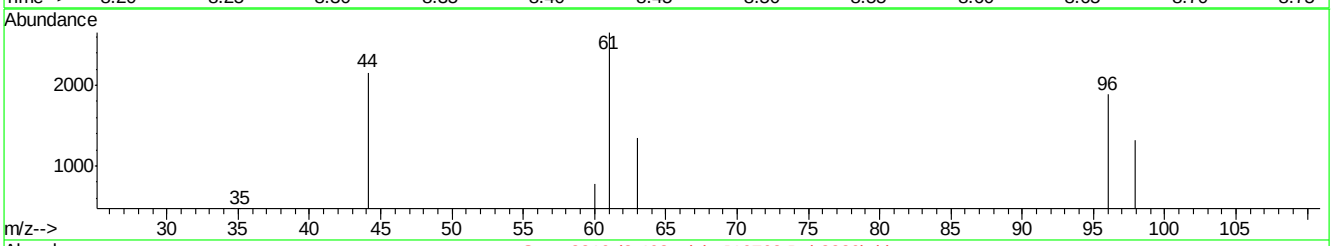
Quantitation Report (Qedit)

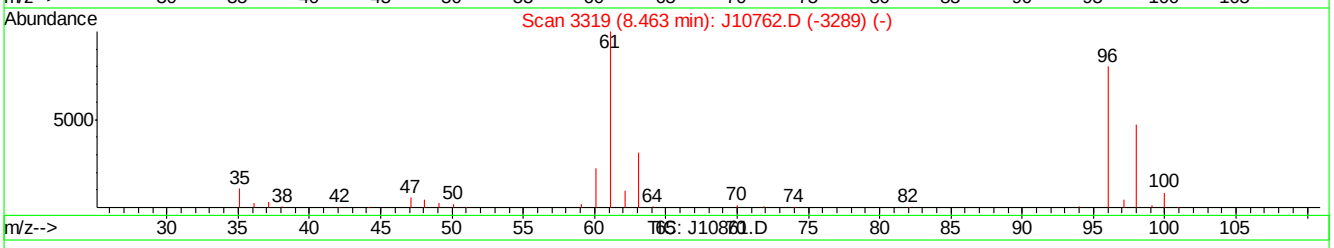
Data File : C:\MSDChem\1\data\J10861.D Vial: 1
Acq On : 5 Jul 2007 11:40 am Operator: danat
Sample : ic562-0.2 (M210) Inst : MSJ
Misc : MS13866, MSJ562,,,,,1 Multiplr: 1.00
MS Integration Params: LSCINT.P

Quant Time: Jul 05 12:06:13 2007 Results File: J070507T.RES

Method : C:\MSDCHEM\1\METHODS\J070507T.M (RTE Integrator)
Title : TO15 by GCMS w/DB-1 60 m X .25 mm ID 1.0 um
Last Update : Thu Jul 05 11:24:31 2007
Response via : Multiple Level Calibration







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

8.45min 0.07PPBV

response 1947

Ion	Exp%	Act%
96.00	100	100
98.00	64.90	103.85#
61.00	125.50	259.42#
0.00	0.00	0.00

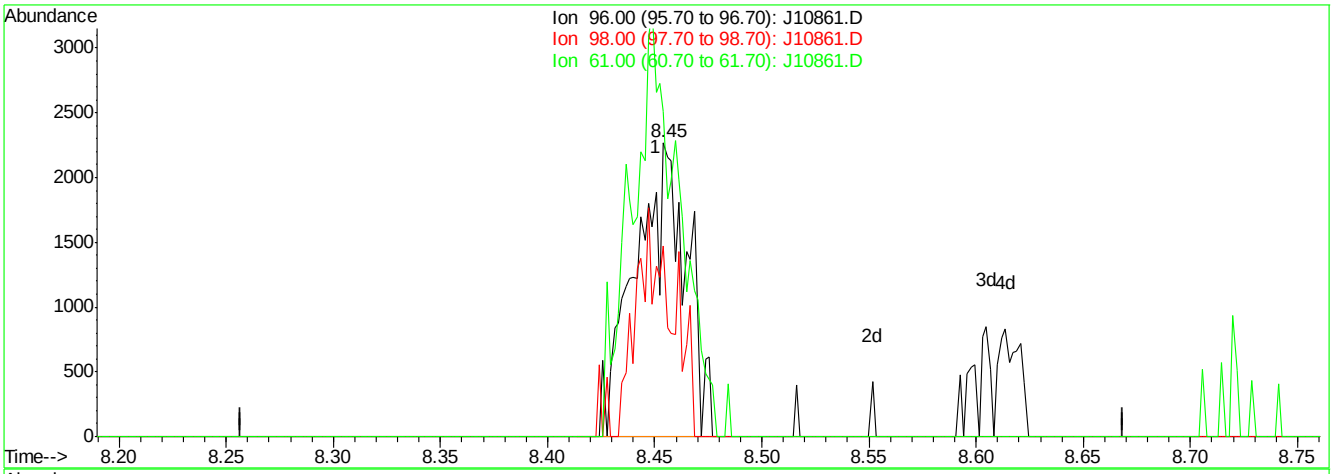
J10861.D J070507T.M Thu Jul 05 12:08:30 2007

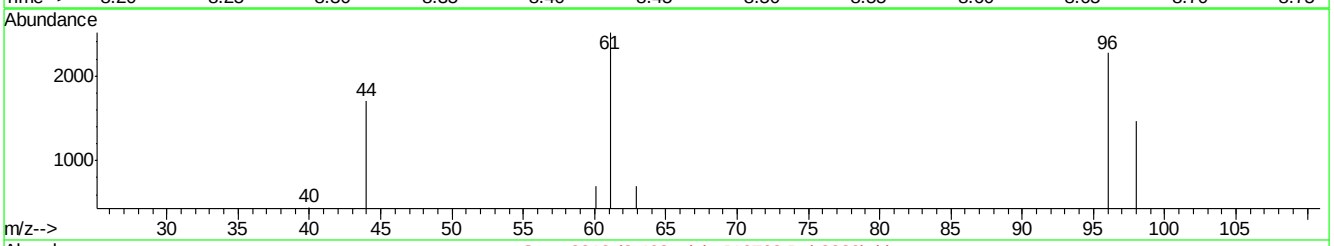
Quantitation Report (Qedit)

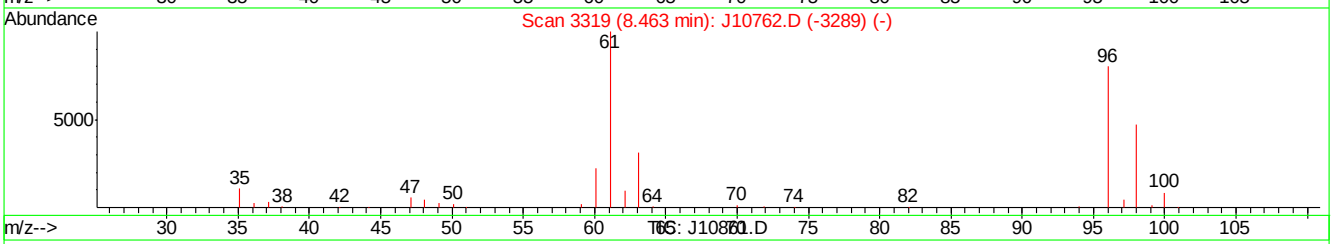
Data File : C:\MSDChem\1\data\J10861.D Vial: 1
Acq On : 5 Jul 2007 11:40 am Operator: danat
Sample : ic562-0.2 (M210) Inst : MSJ
Misc : MS13866, MSJ562,,,,,1 Multiplr: 1.00
MS Integration Params: LSCINT.P

Quant Time: Jul 05 12:06:13 2007 Results File: J070507T.RES

Method : C:\MSDCHEM\1\METHODS\J070507T.M (RTE Integrator)
Title : TO15 by GCMS w/DB-1 60 m X .25 mm ID 1.0 um
Last Update : Thu Jul 05 11:24:31 2007
Response via : Multiple Level Calibration







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

8.45min 0.14PPBV m

response 3794

Ion	Exp%	Act%
96.00	100	100
98.00	64.90	53.29
61.00	125.50	133.13
0.00	0.00	0.00

J10861.D J070507T.M Thu Jul 05 12:08:35 2007

Manual Integrations APPROVED (compounds with "m" flag)
Doug Yargeau 07/11/07 09:41

Quantitation Report (QT Reviewed)

Data Path : C:\MSDChem\1\data\
Data File : J10863.D
Acq On : 5 Jul 2007 1:26 pm
Operator : danat
Sample : ic562-40 (M210)
Misc : MS13866, MSJ562,,,,,1
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Jul 05 13:58:42 2007
Quant Method : C:\MSDCHEM\1\METHODS\J070507T.M
Quant Title : TO15 by GCMS w/DB-1 60 m X .25 mm ID 1.0 um
QLast Update : Thu Jul 05 11:24:31 2007
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) BROMOCHLOROMETHANE	8.62	128	350136	10.00	PPBV	0.00
35) 1,4-DIFLUOROBENZENE	10.45	114	1441648	10.00	PPBV	0.00
49) CHLOROBENZENE-D5	14.70	117	1373333	10.00	PPBV	0.02
System Monitoring Compounds						
61) 4-BROMOFLUOROBENZENE	16.32	95	492873	5.68	PPBV	0.03
Spiked Amount 5.000	Range 51 - 142		Recovery	= 113.60%		
Target Compounds						Qvalue
2) DICHLORODIFLUOROMETHANE	4.07	85	4444007	35.65	PPBV	99
3) PROPYLENE	3.99	41	815972	44.50	PPBV	100
4) FREON 114	4.32	85	4101699	37.77	PPBV	98
5) CHLOROMETHANE	4.23	50	1068221	39.59	PPBV	97
6) VINYL CHLORIDE	4.44	62	1260210	40.71	PPBV	99
7) 1,3-BUTADIENE	4.57	39	995442	45.46	PPBV	96
8) BROMOMETHANE	4.85	94	1361965	38.79	PPBV	99
9) CHLOROETHANE	5.01	64	596148	41.60	PPBV	99
10) TRICHLOROFLUOROMETHANE	5.78	101	4564557	34.85	PPBV	100
11) ISOPROPYL ALCOHOL	6.04	45	1543457m	38.89	PPBV	
12) ACETONE	5.64	43	1581089	23.31	PPBV	98
13) PENTANE	6.12	42	1150710	35.99	PPBV	99
14) 1,1-DICHLOROETHYLENE	6.41	96	1386047	41.48	PPBV	99
15) CARBON DISULFIDE	6.83	76	3945499	38.93	PPBV	99
16) ETHANOL	5.23	45	276078	39.16	PPBV	87
17) BROMOETHENE	5.37	106	1382133	40.81	PPBV	99
18) METHYLENE CHLORIDE	6.53	84	1229697	19.57	PPBV	97
19) 3-CHLOROPROPENE	6.65	39	1373628	52.05	PPBV	89
20) FREON 113	6.77	151	2904178	35.42	PPBV	96
21) TRANS-1,2-DICHLOROETHYLENE	7.44	96	1377181	42.68	PPBV	99
22) TERTIARY BUTYL ALCOHOL	6.65	59	1955300m	44.82	PPBV	
23) METHYL TERTIARY BUTYL ETHE	7.72	73	2924308	43.75	PPBV	98
24) TETRAHYDROFURAN	9.17	42	964987	47.57	PPBV	98
25) HEXANE	8.62	57	1620784	39.94	PPBV	98
26) VINYL ACETATE	7.80	43	2065370	46.38	PPBV	98
27) 1,1-DICHLOROETHANE	7.65	63	2382057	42.28	PPBV	99
28) METHYL ETHYL KETONE	8.09	43	1890243	44.58	PPBV	95
29) cis-1,2-DICHLOROETHYLENE	8.45	96	1379003	44.82	PPBV	98
30) ETHYL ACETATE	8.70	43	2142500	48.89	PPBV	96
31) CHLOROFORM	8.75	83	3258334	41.25	PPBV	99
32) 1,1,1-TRICHLOROETHANE	9.68	97	3768097	41.18	PPBV	99
33) CARBON TETRACHLORIDE	10.26	117	4303561	37.98	PPBV	100
34) 1,2-DICHLOROETHANE	9.46	62	1920339	42.15	PPBV	99
36) BENZENE	10.13	78	3699200	54.81	PPBV	99
37) CYCLOHEXANE	10.36	84	1606095	49.10	PPBV	97
38) TRICHLOROETHYLENE	11.13	95	1903469	51.06	PPBV	100
39) 1,2-DICHLOROPROPANE	10.91	63	1202107	52.61	PPBV	96
40) BROMODICHLOROMETHANE	11.11	83	3256427	48.55	PPBV	99
41) 2,2,4-TRIMETHYLPENTANE	11.13	57	5986544	58.67	PPBV	98
42) 1,4-DIOXANE	11.20	88	646557	51.51	PPBV	94
43) HEPTANE	11.37	43	1890518	58.66	PPBV	99

Quantitation Report (QT Reviewed)

Data Path : C:\MSDChem\1\data\
Data File : J10863.D
Acq On : 5 Jul 2007 1:26 pm
Operator : danat
Sample : ic562-40 (M210)
Misc : MS13866, MSJ562,,,,,1
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Jul 05 13:58:42 2007
Quant Method : C:\MSDCHEM\1\METHODS\J070507T.M
Quant Title : TO15 by GCMS w/DB-1 60 m X .25 mm ID 1.0 um
QLast Update : Thu Jul 05 11:24:31 2007
Response via : Initial Calibration

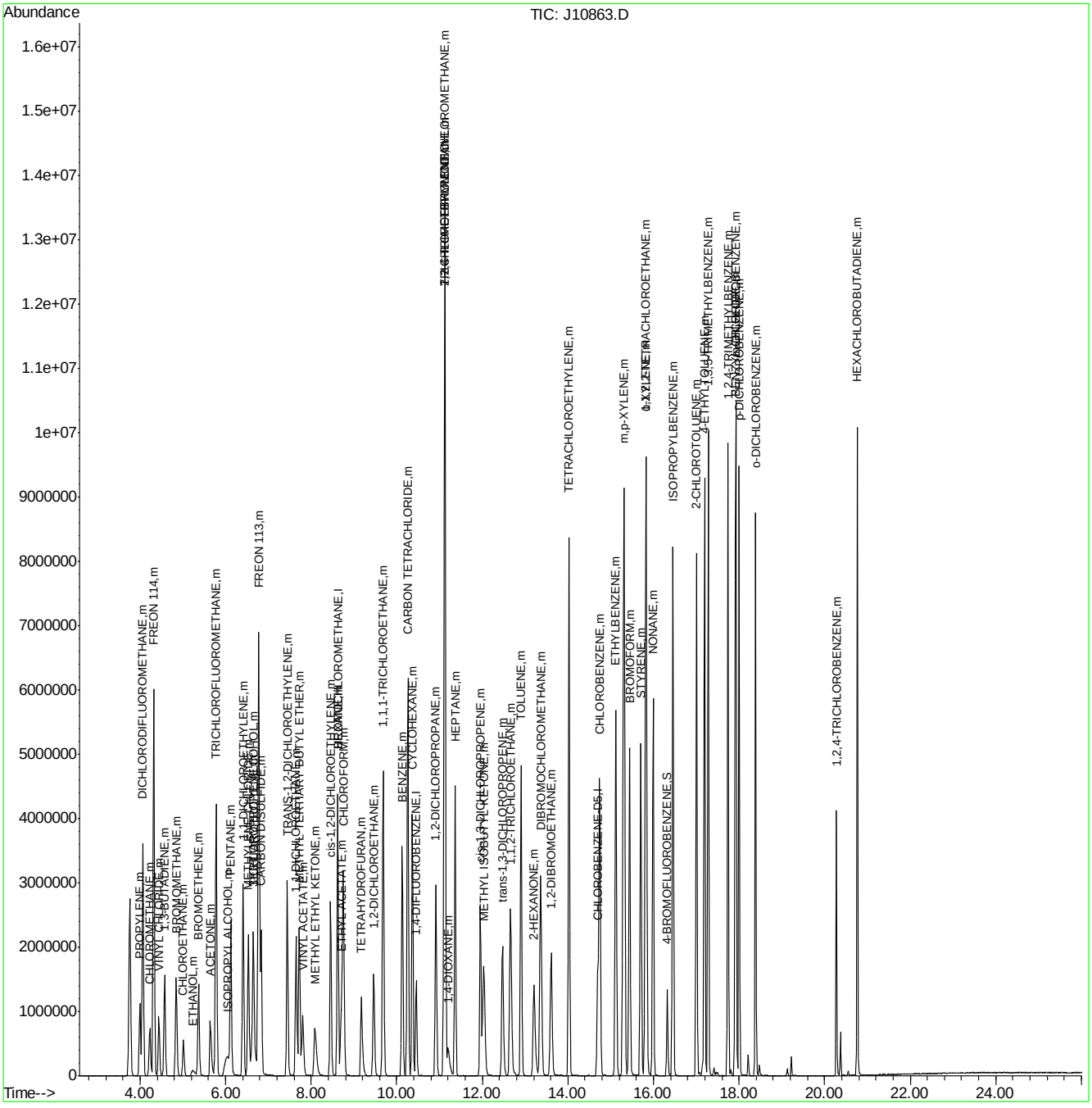
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) METHYL ISOBUTYL KETONE	12.03	43	2305916	56.42	PPBV	99
45) cis-1,3-DICHLOROPROPENE	11.95	75	1815083	59.05	PPBV	96
46) TOLUENE	12.90	92	2637403	58.93	PPBV	99
47) trans-1,3-DICHLOROPROPENE	12.47	75	1814273	63.58	PPBV	97
48) 1,1,2-TRICHLOROETHANE	12.65	83	1219933	49.46	PPBV	99
50) 2-HEXANONE	13.21	43	1966322	59.45	PPBV	99
51) TETRACHLOROETHYLENE	14.03	164	2213972	48.65	PPBV	99
52) DIBROMOCHLOROMETHANE	13.36	129	3111378	45.75	PPBV	100
53) 1,2-DIBROMOETHANE	13.61	107	2306336	51.13	PPBV	100
54) CHLOROBENZENE	14.74	112	3586892	49.65	PPBV	100
55) ETHYLBENZENE	15.12	91	5764119	61.29	PPBV	100
56) m,p-XYLENE	15.31	106	4830541	124.27	PPBV	99
57) o-XYLENE	15.82	106	2433592	63.87	PPBV	99
58) STYRENE	15.70	104	3465000	75.07	PPBV	99
59) NONANE	15.99	43	2563975	57.85	PPBV	99
60) BROMOFORM	15.44	173	3253840m	49.55	PPBV	
62) 1,1,2,2-TETRACHLOROETHANE	15.83	83	3198938	55.02	PPBV	99
63) ISOPROPYLBENZENE	16.45	105	6811310	62.07	PPBV	100
64) 2-CHLOROTOLUENE	17.01	91	4871458	66.10	PPBV	99
65) 4-ETHYLTOLUENE	17.19	105	6684323	74.07	PPBV	100
66) 1,3,5-TRIMETHYLBENZENE	17.28	105	5920272	68.25	PPBV	99
67) 1,2,4-TRIMETHYLBENZENE	17.74	105	5542437	72.98	PPBV	99
68) m-DICHLOROBENZENE	17.93	146	4062798	70.10	PPBV	99
69) BENZYL CHLORIDE	17.91	91	3384523	74.10	PPBV	99
70) p-DICHLOROBENZENE	18.00	146	3828818	72.85	PPBV	99
71) o-DICHLOROBENZENE	18.39	146	3460186	66.68	PPBV	98
72) HEXACHLOROBUTADIENE	20.76	225	1703155	34.19	PPBV	99
73) 1,2,4-TRICHLOROBENZENE	20.28	180	1097085	51.95	PPBV	99

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

Quantitation Report (QT Reviewed)

Data Path : C:\MSDChem\1\data\
Data File : J10863.D
Acq On : 5 Jul 2007 1:26 pm
Operator : danat
Sample : ic562-40 (M210)
Misc : MS13866, MSJ562,,,,,1
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Jul 05 13:58:42 2007
Quant Method : C:\MSDCHEM\1\METHODS\J070507T.M
Quant Title : TO15 by GCMS w/DB-1 60 m X .25 mm ID 1.0 um
QLast Update : Thu Jul 05 11:24:31 2007
Response via : Initial Calibration



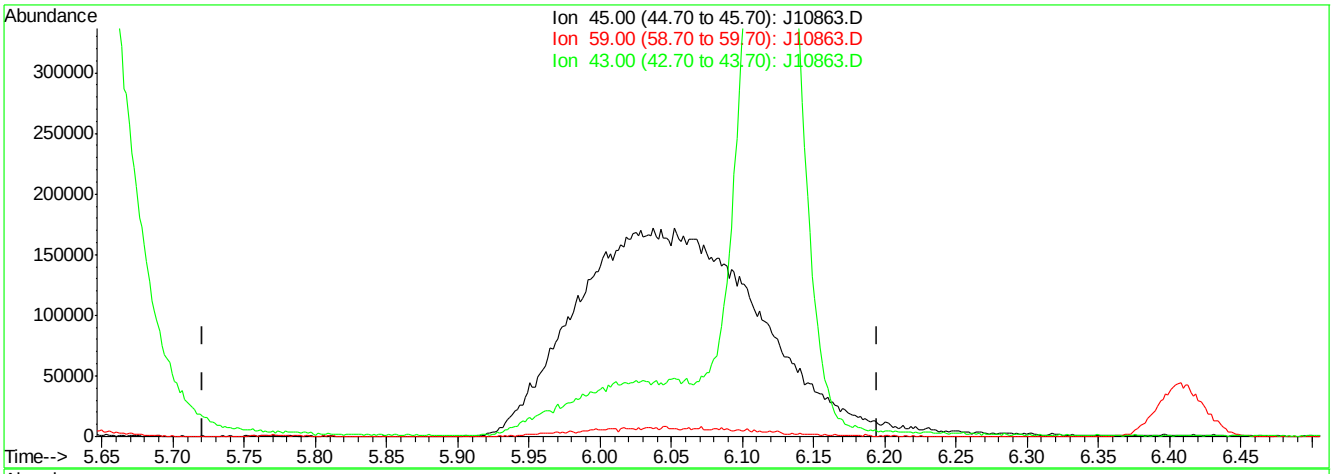
ACCUTEST Laboratories M66801

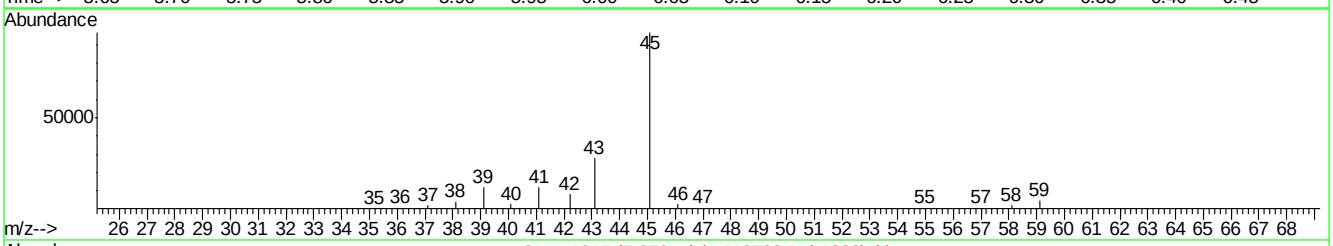
Quantitation Report (Qedit)

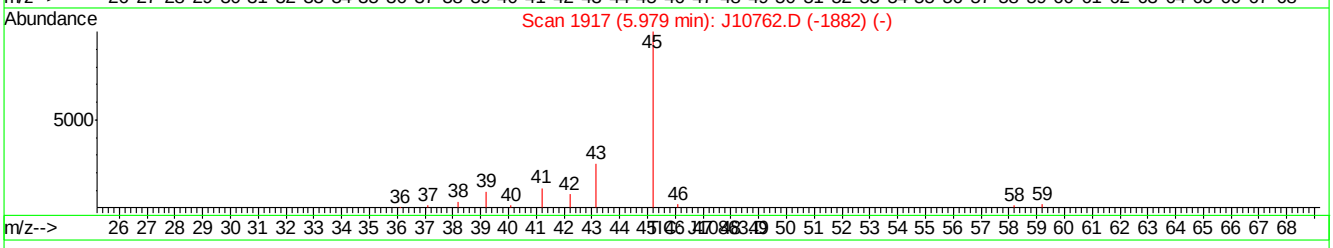
Data File : C:\MSDChem\1\data\J10863.D Vial: 1
Acq On : 5 Jul 2007 1:26 pm Operator: danat
Sample : ic562-40 (M210) Inst : MSJ
Misc : MS13866, MSJ562,,,,,1 Multiplr: 1.00
MS Integration Params: LSCINT.P

Quant Time: Jul 05 13:56:42 2007 Results File: J070507T.RES

Method : C:\MSDCHEM\1\METHODS\J070507T.M (RTE Integrator)
Title : TO15 by GCMS w/DB-1 60 m X .25 mm ID 1.0 um
Last Update : Thu Jul 05 11:24:31 2007
Response via : Multiple Level Calibration







(11) ISOPROPYL ALCOHOL (m)

5.98min 0.00PPBV

response 0

Ion	Exp%	Act%
45.00	100	0.00
59.00	2.20	0.00
43.00	25.50	0.00#
0.00	0.00	0.00

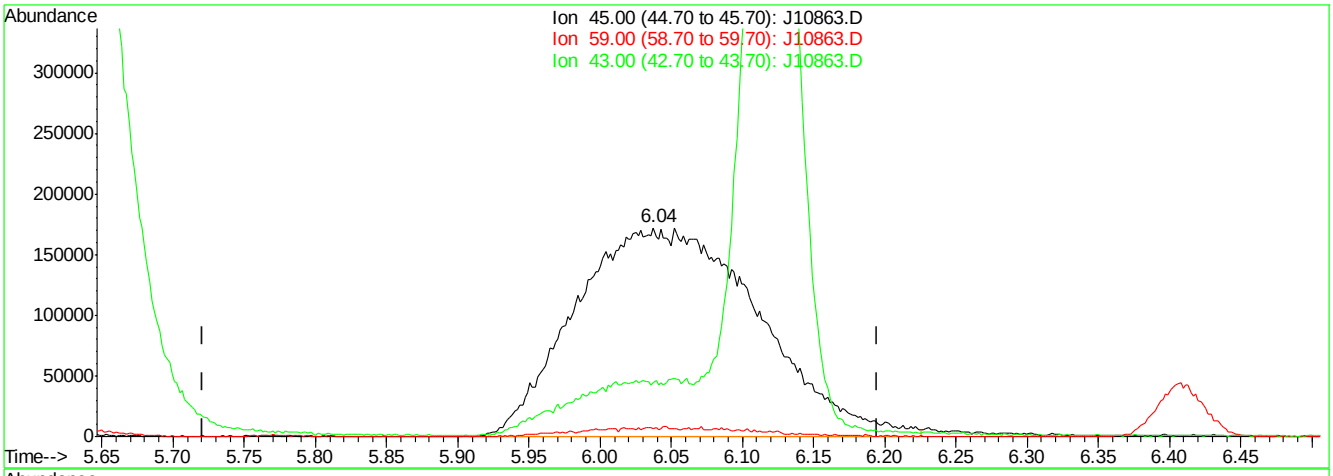
J10863.D J070507T.M Thu Jul 05 13:57:14 2007

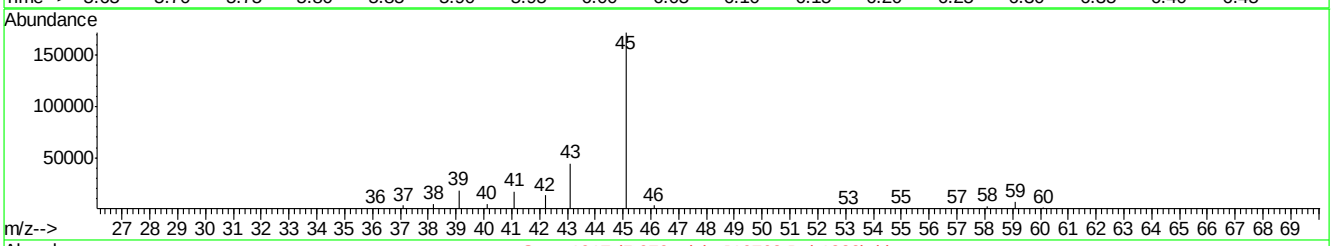
Quantitation Report (Qedit)

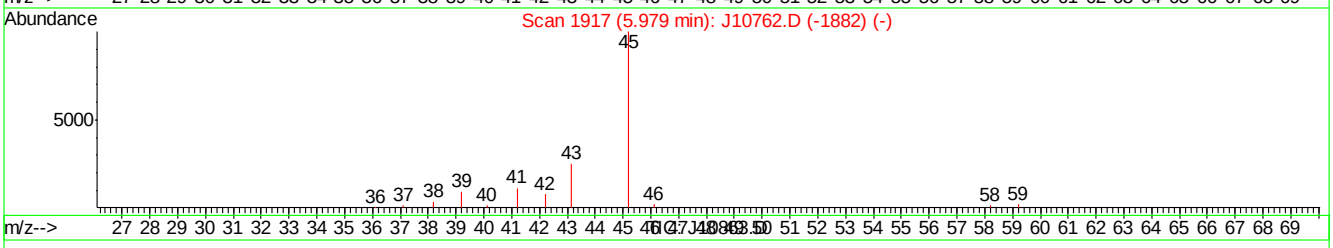
Data File : C:\MSDChem\1\data\J10863.D Vial: 1
Acq On : 5 Jul 2007 1:26 pm Operator: danat
Sample : ic562-40 (M210) Inst : MSJ
Misc : MS13866, MSJ562,,,,,1 Multiplr: 1.00
MS Integration Params: LSCINT.P

Quant Time: Jul 05 13:56:42 2007 Results File: J070507T.RES

Method : C:\MSDCHEM\1\METHODS\J070507T.M (RTE Integrator)
Title : TO15 by GCMS w/DB-1 60 m X .25 mm ID 1.0 um
Last Update : Thu Jul 05 11:24:31 2007
Response via : Multiple Level Calibration







(11) ISOPROPYL ALCOHOL (m)

6.04min 38.89PPBV m

response 1543457

Ion	Exp%	Act%
45.00	100	100
59.00	2.20	4.03
43.00	25.50	25.95
0.00	0.00	0.00

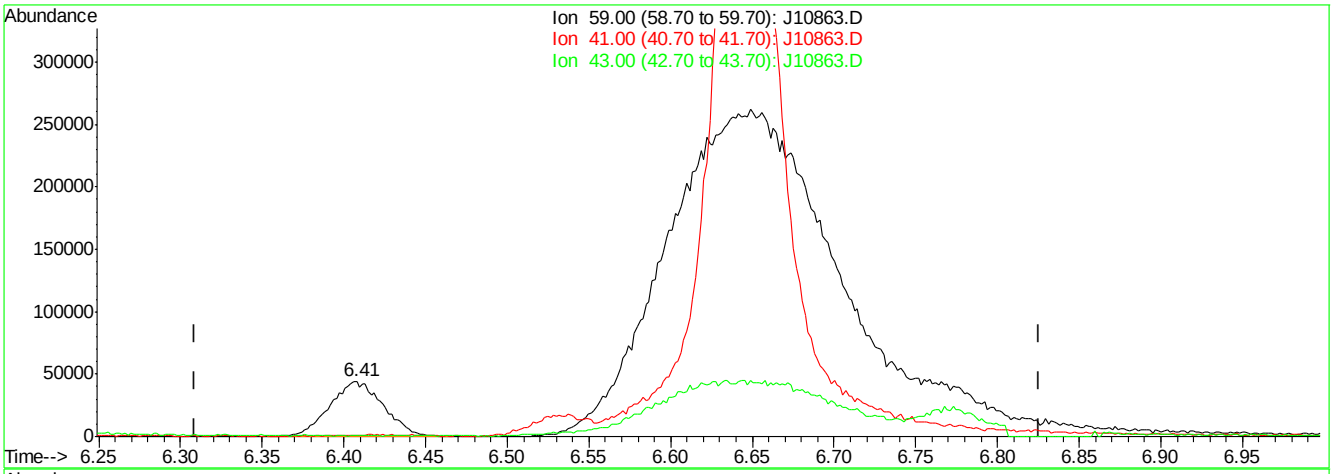
J10863.D J070507T.M Thu Jul 05 13:57:20 2007

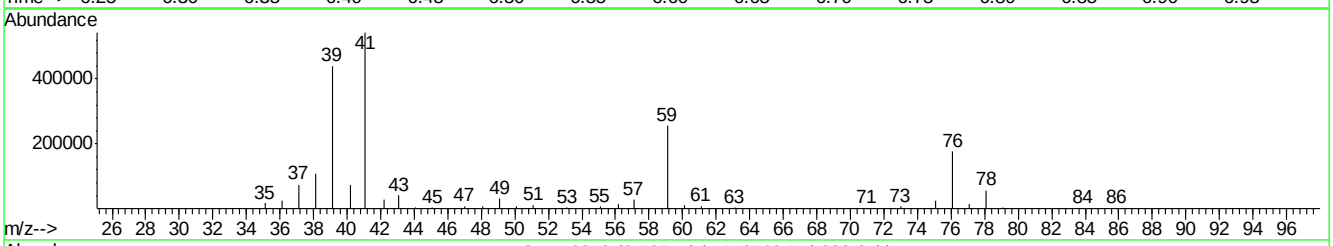
Quantitation Report (Qedit)

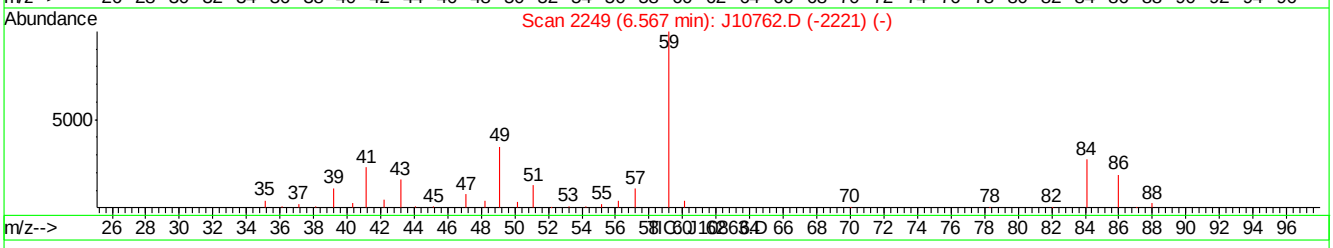
Data File : C:\MSDChem\1\data\J10863.D Vial: 1
Acq On : 5 Jul 2007 1:26 pm Operator: danat
Sample : ic562-40 (M210) Inst : MSJ
Misc : MS13866, MSJ562,,,,,1 Multiplr: 1.00
MS Integration Params: LSCINT.P

Quant Time: Jul 05 13:56:42 2007 Results File: J070507T.RES

Method : C:\MSDCHEM\1\METHODS\J070507T.M (RTE Integrator)
Title : TO15 by GCMS w/DB-1 60 m X .25 mm ID 1.0 um
Last Update : Thu Jul 05 11:24:31 2007
Response via : Multiple Level Calibration







(22) TERTIARY BUTYL ALCOHOL (m)

6.41min 2.31PPBV

response 100889

Ion	Exp%	Act%
59.00	100	100
41.00	22.00	0.00#
43.00	17.20	0.00
0.00	0.00	0.00

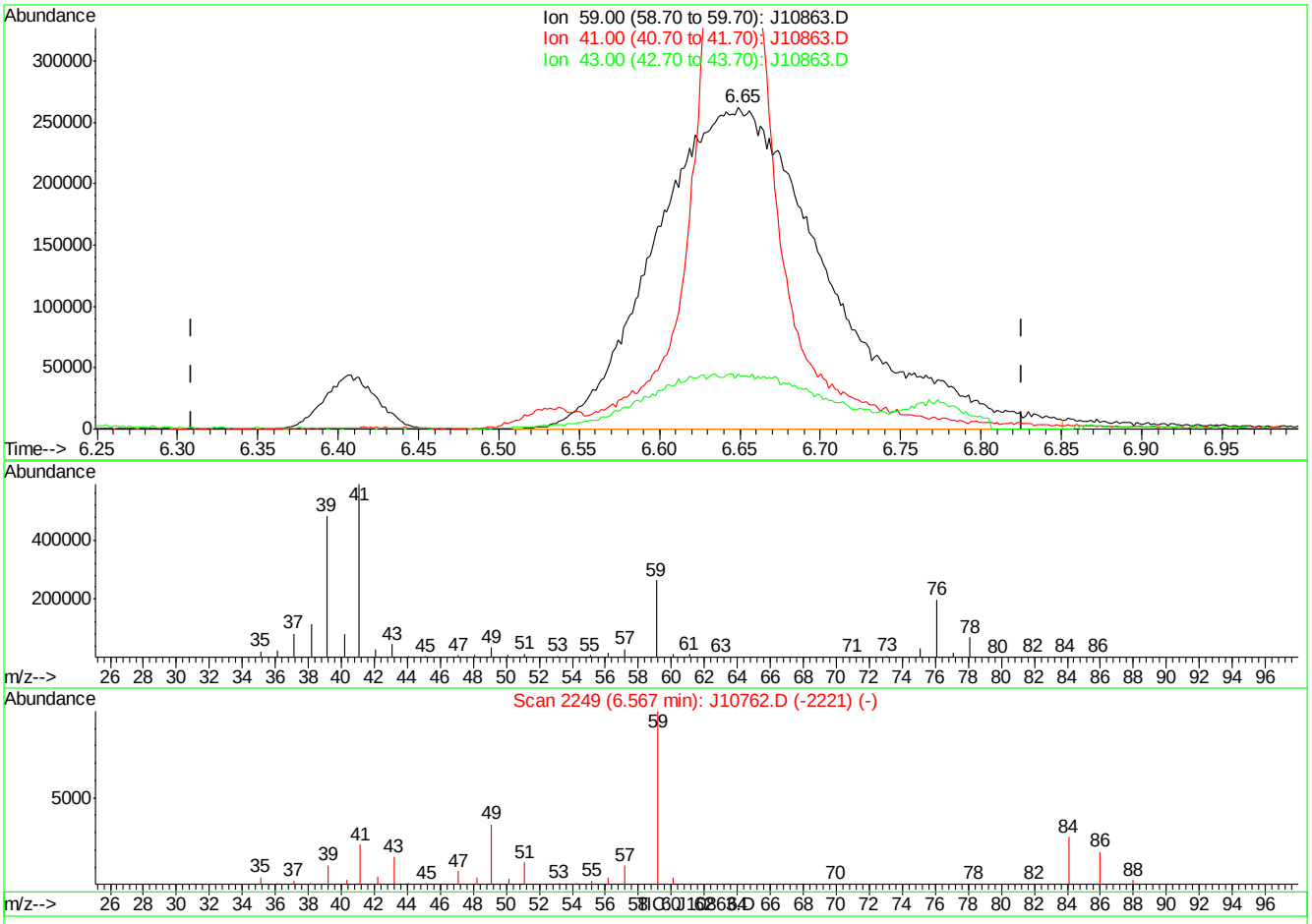
J10863.D J070507T.M Thu Jul 05 13:57:43 2007

Quantitation Report (Qedit)

Data File : C:\MSDChem\1\data\J10863.D Vial: 1
Acq On : 5 Jul 2007 1:26 pm Operator: danat
Sample : ic562-40 (M210) Inst : MSJ
Misc : MS13866, MSJ562,,,,,1 Multiplr: 1.00
MS Integration Params: LSCINT.P

Quant Time: Jul 05 13:56:42 2007 Results File: J070507T.RES

Method : C:\MSDCHEM\1\METHODS\J070507T.M (RTE Integrator)
Title : TO15 by GCMS w/DB-1 60 m X .25 mm ID 1.0 um
Last Update : Thu Jul 05 11:24:31 2007
Response via : Multiple Level Calibration



(22) TERTIARY BUTYL ALCOHOL (m)

6.65min 44.82PPBV m

response 1955300

Ion	Exp%	Act%
59.00	100	100
41.00	22.00	0.00#
43.00	17.20	0.00
0.00	0.00	0.00

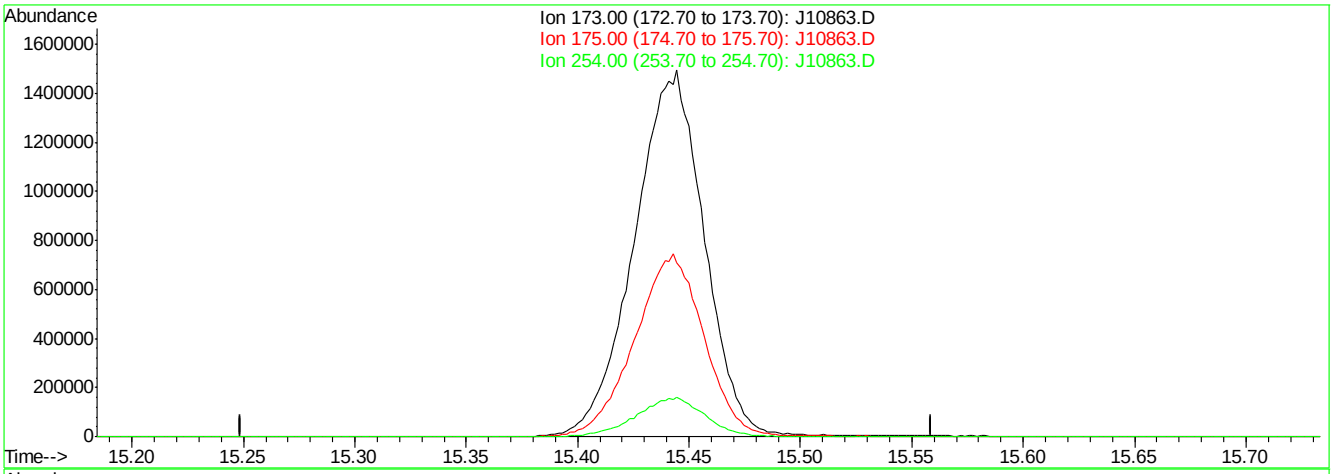
J10863.D J070507T.M Thu Jul 05 13:57:49 2007

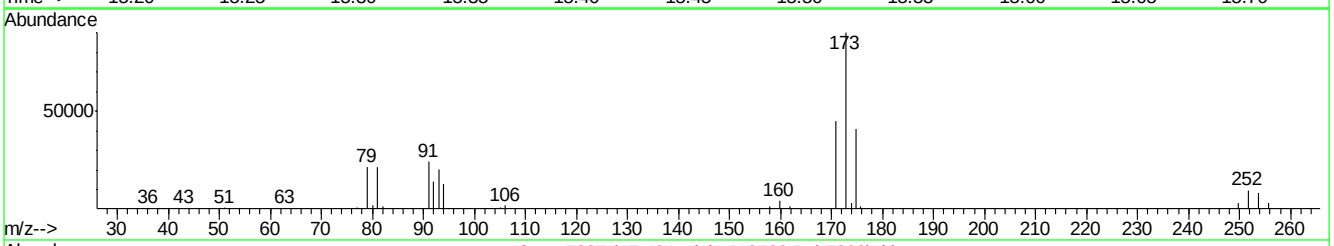
Quantitation Report (Qedit)

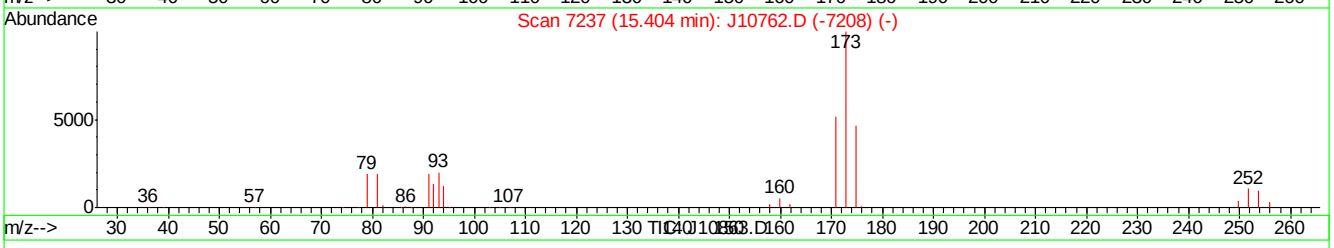
Data File : C:\MSDChem\1\data\J10863.D Vial: 1
Acq On : 5 Jul 2007 1:26 pm Operator: danat
Sample : ic562-40 (M210) Inst : MSJ
Misc : MS13866, MSJ562,,,,,1 Multiplr: 1.00
MS Integration Params: LSCINT.P

Quant Time: Jul 05 13:56:42 2007 Results File: J070507T.RES

Method : C:\MSDCHEM\1\METHODS\J070507T.M (RTE Integrator)
Title : TO15 by GCMS w/DB-1 60 m X .25 mm ID 1.0 um
Last Update : Thu Jul 05 11:24:31 2007
Response via : Multiple Level Calibration







(60) BROMOFORM (m)

15.40min 0.00PPBV

response 0

Ion	Exp%	Act%
173.00	100	0.00
175.00	49.10	0.00#
254.00	9.90	0.00
0.00	0.00	0.00

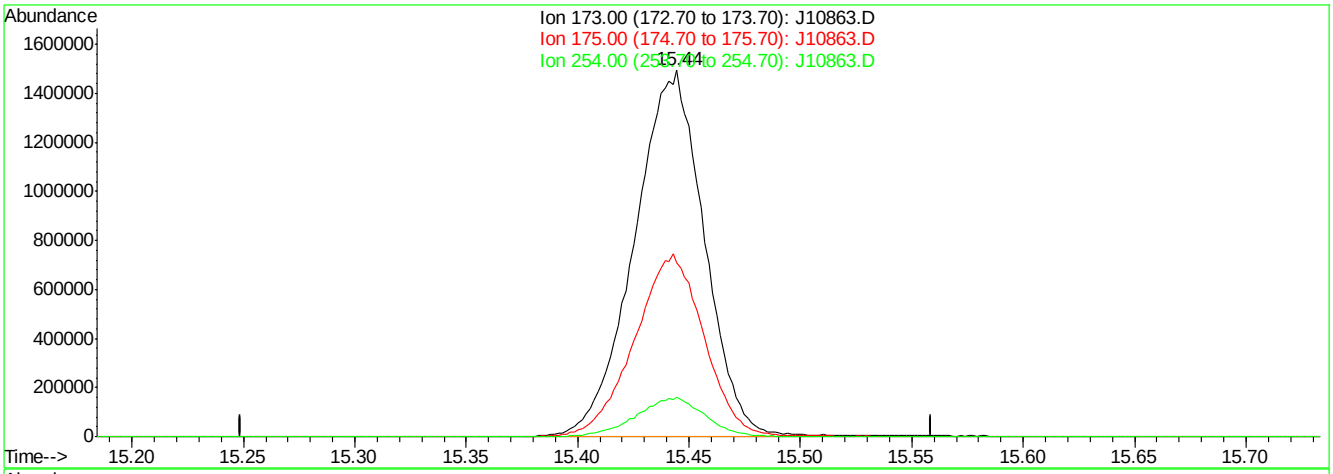
J10863.D J070507T.M Thu Jul 05 13:58:23 2007

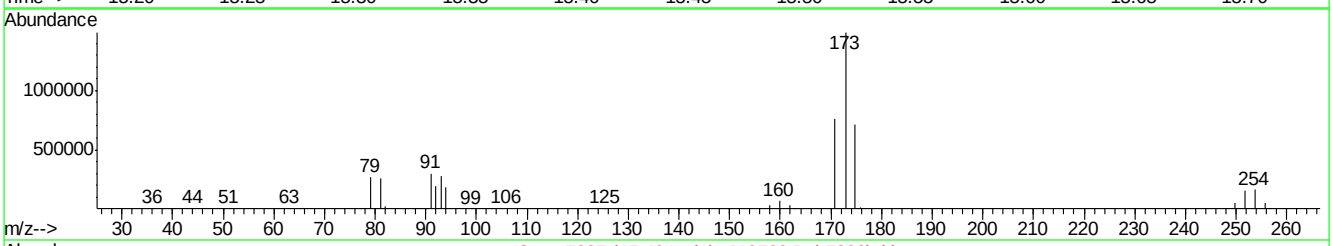
Quantitation Report (Qedit)

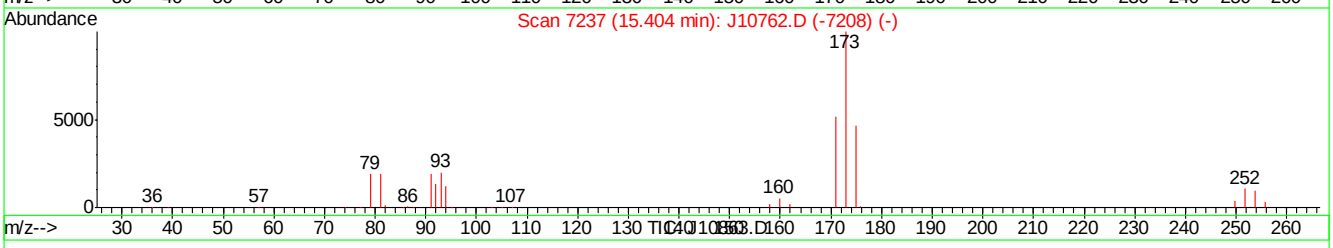
Data File : C:\MSDChem\1\data\J10863.D Vial: 1
Acq On : 5 Jul 2007 1:26 pm Operator: danat
Sample : ic562-40 (M210) Inst : MSJ
Misc : MS13866, MSJ562,,,,,1 Multiplr: 1.00
MS Integration Params: LSCINT.P

Quant Time: Jul 05 13:56:42 2007 Results File: J070507T.RES

Method : C:\MSDCHEM\1\METHODS\J070507T.M (RTE Integrator)
Title : TO15 by GCMS w/DB-1 60 m X .25 mm ID 1.0 um
Last Update : Thu Jul 05 11:24:31 2007
Response via : Multiple Level Calibration







(60) BROMOFORM (m)

15.44min 49.55PPBV m

response 3253840

Ion	Exp%	Act%
173.00	100	100
175.00	49.10	0.00#
254.00	9.90	0.00
0.00	0.00	0.00

J10863.D J070507T.M Thu Jul 05 13:58:29 2007

Manual Integrations APPROVED (compounds with "m" flag)
Doug Yargeau 07/11/07 09:41

Quantitation Report (QT Reviewed)

Data Path : C:\MSDChem\1\data\
Data File : J10864.D
Acq On : 5 Jul 2007 2:22 pm
Operator : danat
Sample : ic562-20 (M210)
Misc : MS13866, MSJ562,,,,,1
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Jul 05 15:04:41 2007
Quant Method : C:\MSDCHEM\1\METHODS\J070507T.M
Quant Title : TO15 by GCMS w/DB-1 60 m X .25 mm ID 1.0 um
QLast Update : Thu Jul 05 11:24:31 2007
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) BROMOCHLOROMETHANE	8.60	128	365307	10.00	PPBV	-0.02
35) 1,4-DIFLUOROBENZENE	10.43	114	1518441	10.00	PPBV	-0.01
49) CHLOROBENZENE-D5	14.68	117	1386139m	10.00	PPBV	0.00
System Monitoring Compounds						
61) 4-BROMOFLUOROBENZENE	16.31	95	477430	5.45	PPBV	0.01
Spiked Amount 5.000	Range 51 - 142		Recovery = 109.00%			
Target Compounds						Qvalue
2) DICHLORODIFLUOROMETHANE	4.06	85	1535648	11.81	PPBV	100
3) PROPYLENE	3.99	41	268055	14.01	PPBV	97
4) FREON 114	4.31	85	1434256	12.66	PPBV	97
5) CHLOROMETHANE	4.22	50	348958	12.40	PPBV	97
6) VINYL CHLORIDE	4.44	62	439116	13.60	PPBV	94
7) 1,3-BUTADIENE	4.57	39	352245	15.42	PPBV	100
8) BROMOMETHANE	4.84	94	646187	17.64	PPBV	99
9) CHLOROETHANE	5.01	64	278465	18.62	PPBV	99
10) TRICHLOROFLUOROMETHANE	5.77	101	2228889	16.31	PPBV	99
11) ISOPROPYL ALCOHOL	5.97	45	785813m	18.98	PPBV	
12) ACETONE	5.63	43	740790	10.47	PPBV	98
13) PENTANE	6.11	42	545201	16.34	PPBV	98
14) 1,1-DICHLOROETHYLENE	6.40	96	706399	20.26	PPBV	99
15) CARBON DISULFIDE	6.82	76	2008630	18.99	PPBV	99
16) ETHANOL	5.21	45	130953	17.80	PPBV	95
17) BROMOETHENE	5.36	106	678826	19.21	PPBV	99
18) METHYLENE CHLORIDE	6.52	84	611385	9.33	PPBV	98
19) 3-CHLOROPROPENE	6.63	39	577004	20.95	PPBV	94
20) FREON 113	6.76	151	1434964	16.78	PPBV	96
21) TRANS-1,2-DICHLOROETHYLENE	7.43	96	699399	20.78	PPBV	99
22) TERTIARY BUTYL ALCOHOL	6.57	59	1036086	22.77	PPBV	93
23) METHYL TERTIARY BUTYL ETHE	7.70	73	1492765	21.41	PPBV	99
24) TETRAHYDROFURAN	9.15	42	477644	22.57	PPBV	99
25) HEXANE	8.61	57	796209	18.81	PPBV	97
26) VINYL ACETATE	7.78	43	992991	21.37	PPBV	98
27) 1,1-DICHLOROETHANE	7.63	63	1140494	19.40	PPBV	100
28) METHYL ETHYL KETONE	8.06	43	923256	20.87	PPBV	97
29) cis-1,2-DICHLOROETHYLENE	8.44	96	675636	21.05	PPBV	99
30) ETHYL ACETATE	8.68	43	1037724	22.70	PPBV	96
31) CHLOROFORM	8.73	83	1579562	19.17	PPBV	99
32) 1,1,1-TRICHLOROETHANE	9.67	97	1761768	18.45	PPBV	100
33) CARBON TETRACHLORIDE	10.24	117	2090440	17.68	PPBV	99
34) 1,2-DICHLOROETHANE	9.44	62	909960	19.14	PPBV	99
36) BENZENE	10.11	78	1699563	23.91	PPBV	99
37) CYCLOHEXANE	10.35	84	783977	22.75	PPBV	98
38) TRICHLOROETHYLENE	11.11	95	863825	22.00	PPBV	99
39) 1,2-DICHLOROPROPANE	10.89	63	540869	22.47	PPBV	96
40) BROMODICHLOROMETHANE	11.08	83	1484426	21.01	PPBV	99
41) 2,2,4-TRIMETHYLPENTANE	11.11	57	2748943	25.58	PPBV	99
42) 1,4-DIOXANE	11.17	88	315947	23.90	PPBV	94
43) HEPTANE	11.35	43	865260	25.49	PPBV	99

Quantitation Report (QT Reviewed)

Data Path : C:\MSDChem\1\data\
Data File : J10864.D
Acq On : 5 Jul 2007 2:22 pm
Operator : danat
Sample : ic562-20 (M210)
Misc : MS13866, MSJ562,,,,,1
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Jul 05 15:04:41 2007
Quant Method : C:\MSDCHEM\1\METHODS\J070507T.M
Quant Title : TO15 by GCMS w/DB-1 60 m X .25 mm ID 1.0 um
QLast Update : Thu Jul 05 11:24:31 2007
Response via : Initial Calibration

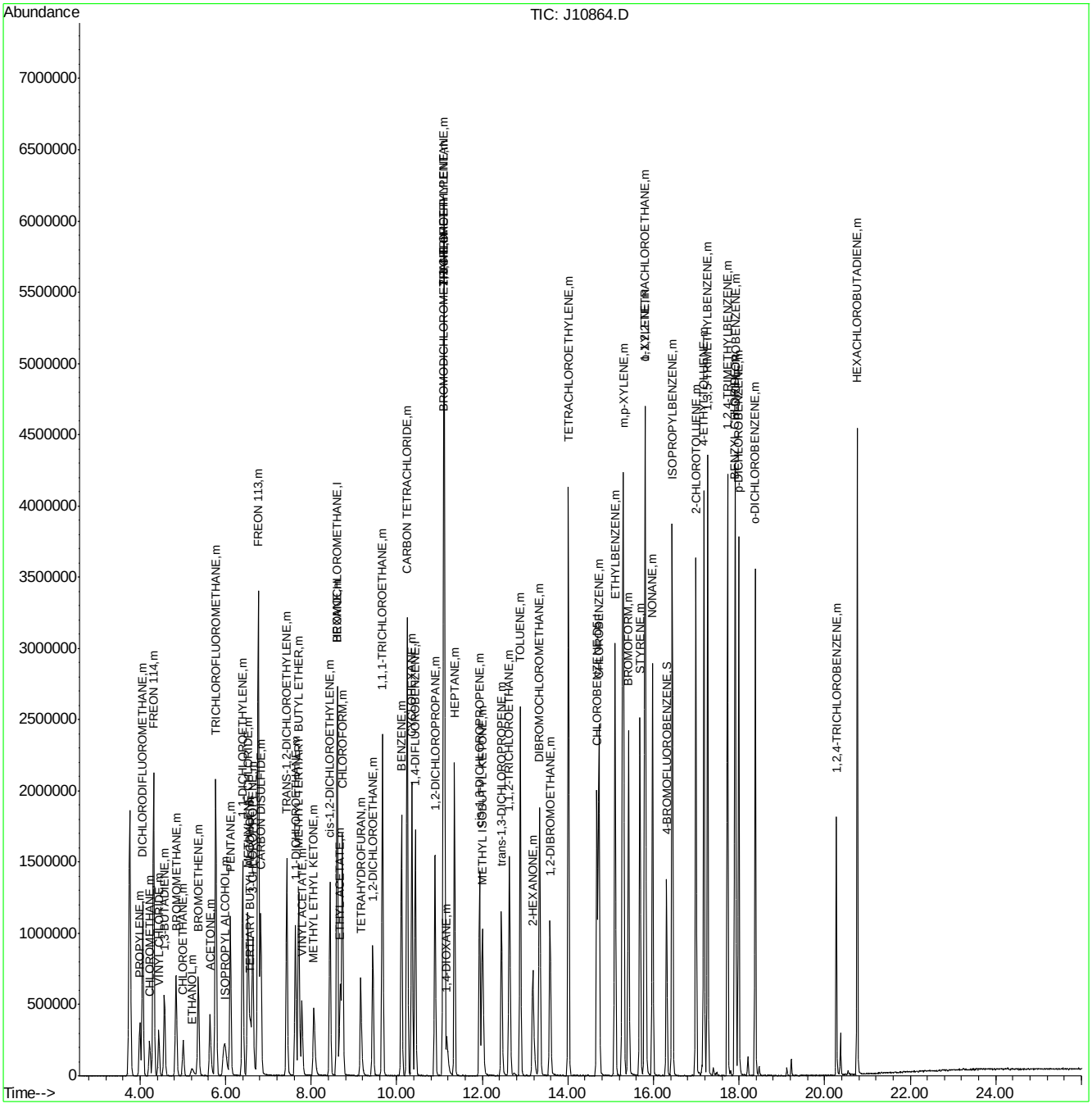
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) METHYL ISOBUTYL KETONE	12.00	43	1043161	24.23	PPBV	99
45) cis-1,3-DICHLOROPROPENE	11.93	75	842953	26.03	PPBV	98
46) TOLUENE	12.89	92	1184576	25.13	PPBV	100
47) trans-1,3-DICHLOROPROPENE	12.45	75	814312m	27.09	PPBV	
48) 1,1,2-TRICHLOROETHANE	12.63	83	554837	21.36	PPBV	100
50) 2-HEXANONE	13.18	43	879787	26.35	PPBV	99
51) TETRACHLOROETHYLENE	14.01	164	977744	21.29	PPBV	99
52) DIBROMOCHLOROMETHANE	13.34	129	1454965	21.19	PPBV	100
53) 1,2-DIBROMOETHANE	13.58	107	1049086	23.04	PPBV	100
54) CHLOROBENZENE	14.72	112	1608101	22.05	PPBV	98
55) ETHYLBENZENE	15.10	91	2583679	27.22	PPBV	100
56) m,p-XYLENE	15.29	106	2122882	54.11	PPBV	100
57) o-XYLENE	15.80	106	1058229	27.52	PPBV	99
58) STYRENE	15.68	104	1486315	31.90	PPBV	99
59) NONANE	15.98	43	1127032	25.19	PPBV	99
60) BROMOFORM	15.42	173	1435182m	21.65	PPBV	
62) 1,1,2,2-TETRACHLOROETHANE	15.81	83	1397530m	23.81	PPBV	
63) ISOPROPYLBENZENE	16.44	105	2993529m	27.03	PPBV	
64) 2-CHLOROTOLUENE	16.99	91	2109180	28.35	PPBV	98
65) 4-ETHYLTOLUENE	17.18	105	2774205m	30.46	PPBV	
66) 1,3,5-TRIMETHYLBENZENE	17.27	105	2505745	28.62	PPBV	99
67) 1,2,4-TRIMETHYLBENZENE	17.73	105	2269340	29.61	PPBV	99
68) m-DICHLOROBENZENE	17.91	146	1619644	27.69	PPBV	99
69) BENZYL CHLORIDE	17.90	91	1347521	29.23	PPBV	99
70) p-DICHLOROBENZENE	17.99	146	1532314	28.89	PPBV	100
71) o-DICHLOROBENZENE	18.38	146	1380046	26.35	PPBV	98
72) HEXACHLOROBUTADIENE	20.76	225	763310	15.18	PPBV	99
73) 1,2,4-TRICHLOROBENZENE	20.27	180	477031	22.38	PPBV	99

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

Quantitation Report (QT Reviewed)

Data Path : C:\MSDChem\1\data\
Data File : J10864.D
Acq On : 5 Jul 2007 2:22 pm
Operator : danat
Sample : ic562-20 (M210)
Misc : MS13866, MSJ562,,,,,1
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Jul 05 15:04:41 2007
Quant Method : C:\MSDCHEM\1\METHODS\J070507T.M
Quant Title : TO15 by GCMS w/DB-1 60 m X .25 mm ID 1.0 um
QLast Update : Thu Jul 05 11:24:31 2007
Response via : Initial Calibration



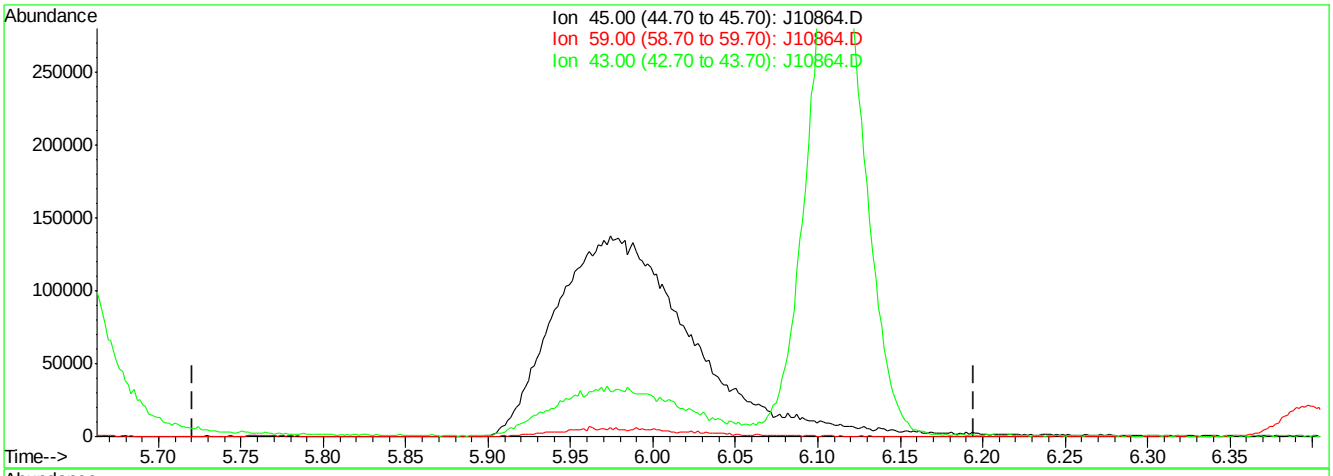
ACCUTEST Laboratories M66801

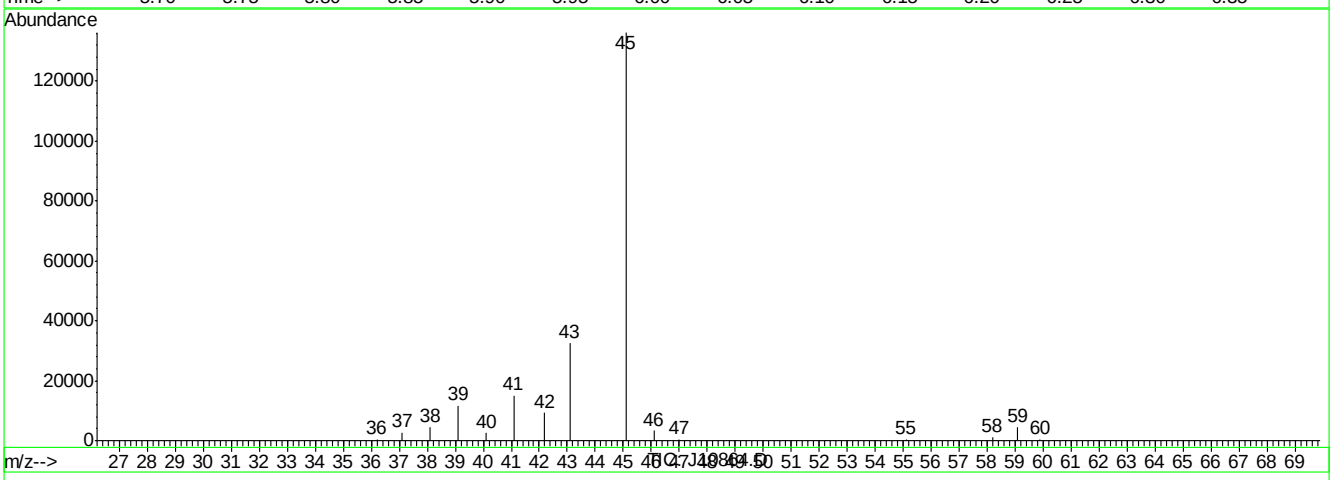
Quantitation Report (Qedit)

Data File : C:\MSDChem\1\data\J10864.D Vial: 1
Acq On : 5 Jul 2007 2:22 pm Operator: danat
Sample : ic562-20 (M210) Inst : MSJ
Misc : MS13866, MSJ562,,,,,1 Multiplr: 1.00
MS Integration Params: LSCINT.P

Quant Time: Jul 05 15:00:43 2007 Results File: J070507T.RES

Method : C:\MSDCHEM\1\METHODS\J070507T.M (RTE Integrator)
Title : TO15 by GCMS w/DB-1 60 m X .25 mm ID 1.0 um
Last Update : Thu Jul 05 11:24:31 2007
Response via : Multiple Level Calibration





(11) ISOPROPYL ALCOHOL (m)

5.98min 0.00PPBV

response 0

Ion	Exp%	Act%
45.00	100	0.00
59.00	2.20	0.00
43.00	25.50	0.00#
0.00	0.00	0.00

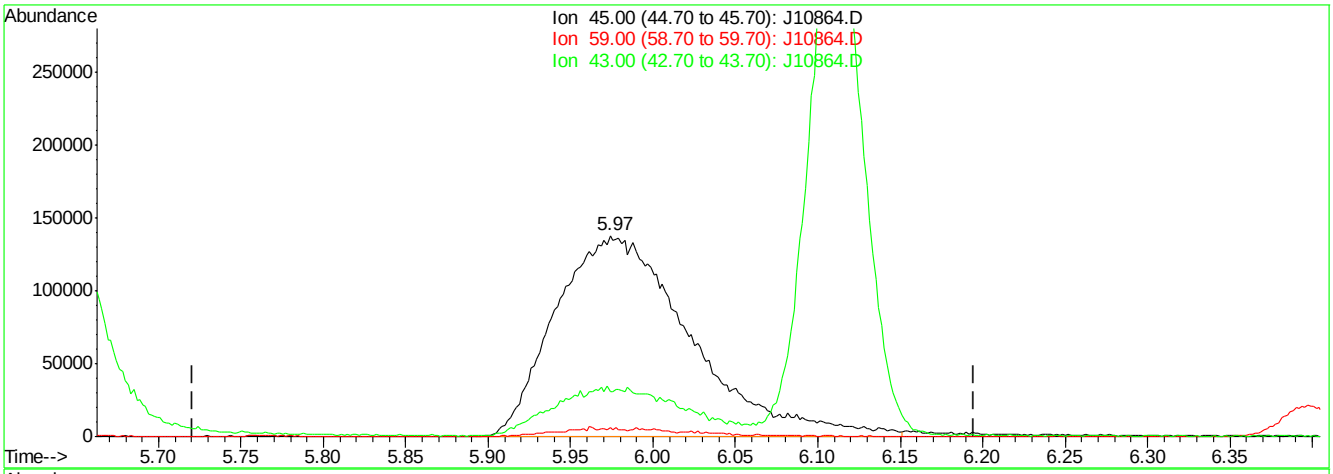
J10864.D J070507T.M Thu Jul 05 15:01:08 2007

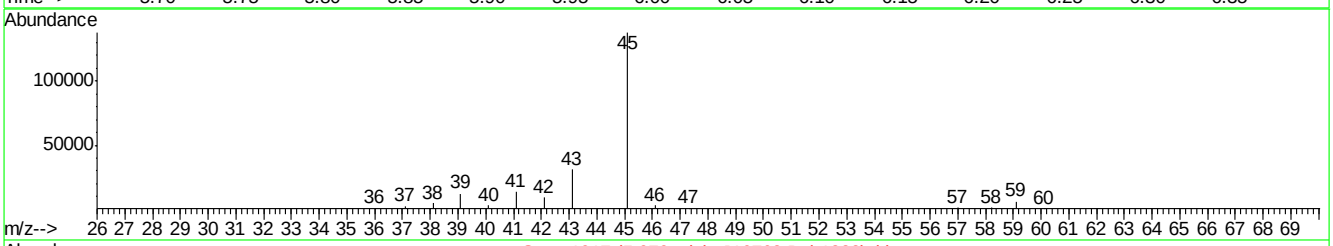
Quantitation Report (Qedit)

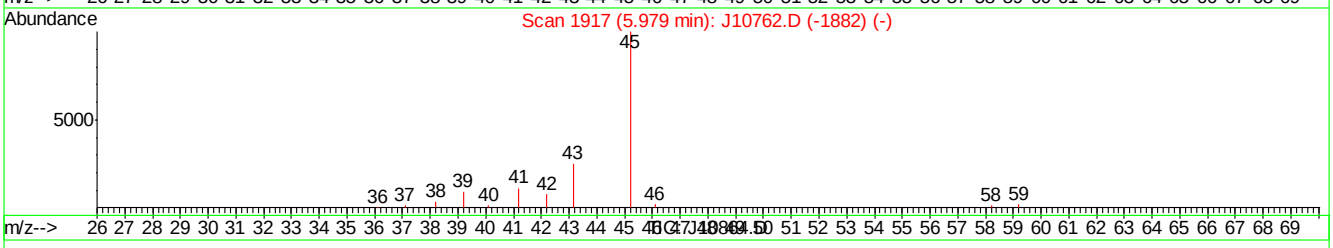
Data File : C:\MSDChem\1\data\J10864.D Vial: 1
Acq On : 5 Jul 2007 2:22 pm Operator: danat
Sample : ic562-20 (M210) Inst : MSJ
Misc : MS13866, MSJ562,,,,,1 Multiplr: 1.00
MS Integration Params: LSCINT.P

Quant Time: Jul 05 15:00:43 2007 Results File: J070507T.RES

Method : C:\MSDCHEM\1\METHODS\J070507T.M (RTE Integrator)
Title : TO15 by GCMS w/DB-1 60 m X .25 mm ID 1.0 um
Last Update : Thu Jul 05 11:24:31 2007
Response via : Multiple Level Calibration







(11) ISOPROPYL ALCOHOL (m)

5.97min 18.98PPBV m

response 785813

Ion	Exp%	Act%
45.00	100	100
59.00	2.20	4.33
43.00	25.50	22.47
0.00	0.00	0.00

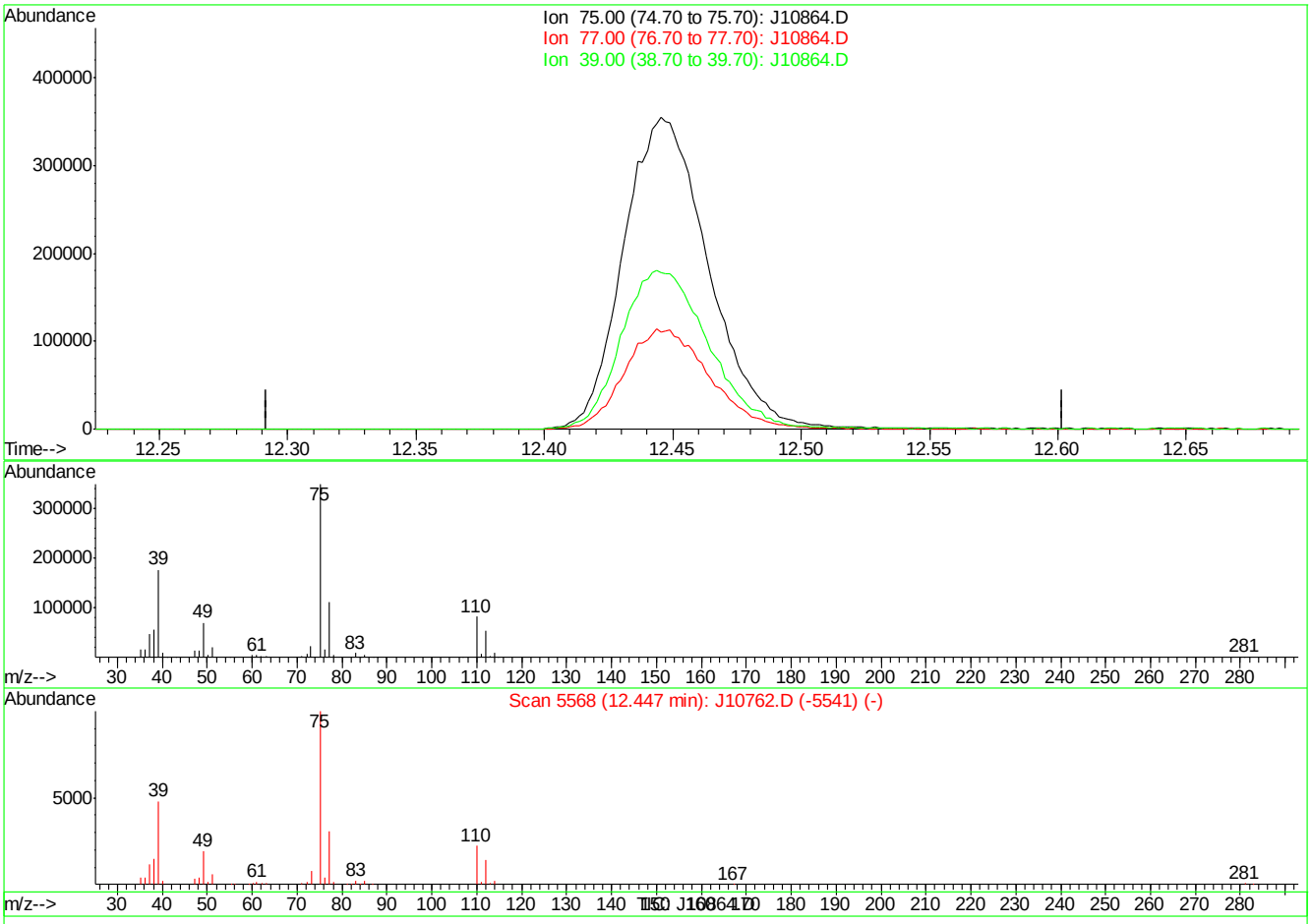
J10864.D J070507T.M Thu Jul 05 15:01:16 2007

Quantitation Report (Qedit)

Data File : C:\MSDChem\1\data\J10864.D Vial: 1
Acq On : 5 Jul 2007 2:22 pm Operator: danat
Sample : ic562-20 (M210) Inst : MSJ
Misc : MS13866, MSJ562,,,,,1 Multiplr: 1.00
MS Integration Params: LSCINT.P

Quant Time: Jul 05 15:00:43 2007 Results File: J070507T.RES

Method : C:\MSDCHEM\1\METHODS\J070507T.M (RTE Integrator)
Title : TO15 by GCMS w/DB-1 60 m X .25 mm ID 1.0 um
Last Update : Thu Jul 05 11:24:31 2007
Response via : Multiple Level Calibration



(47) trans-1,3-DICHLOROPROPENE (m)

12.45min 0.00PPBV

response 0

Ion	Exp%	Act%
75.00	100	0.00
77.00	32.00	0.00#
39.00	49.20	0.00#
0.00	0.00	0.00

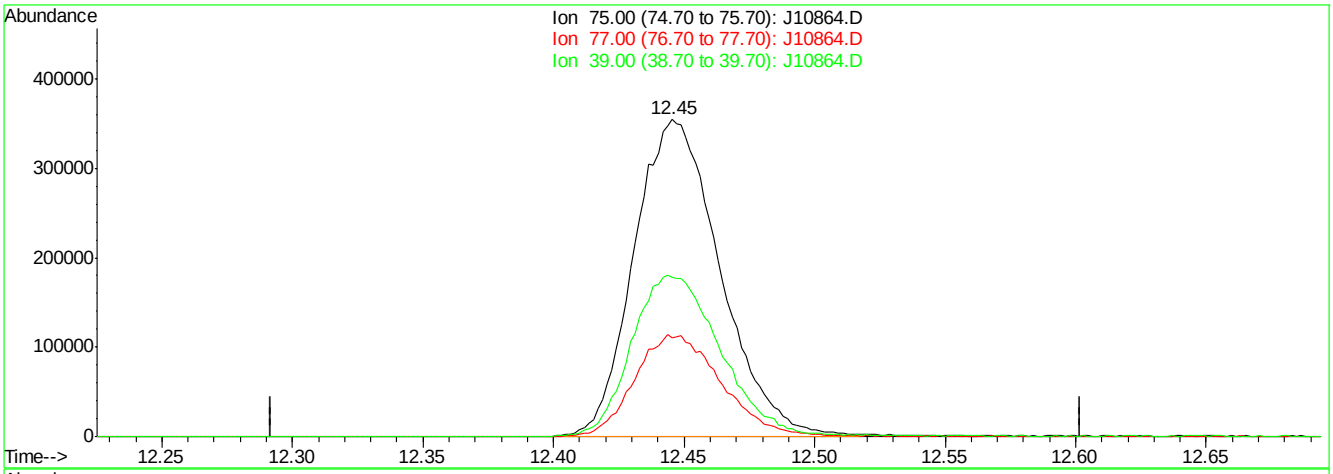
J10864.D J070507T.M Thu Jul 05 15:01:49 2007

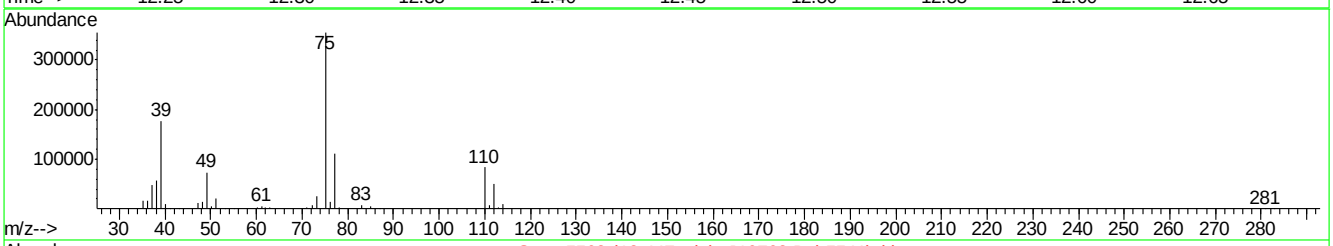
Quantitation Report (Qedit)

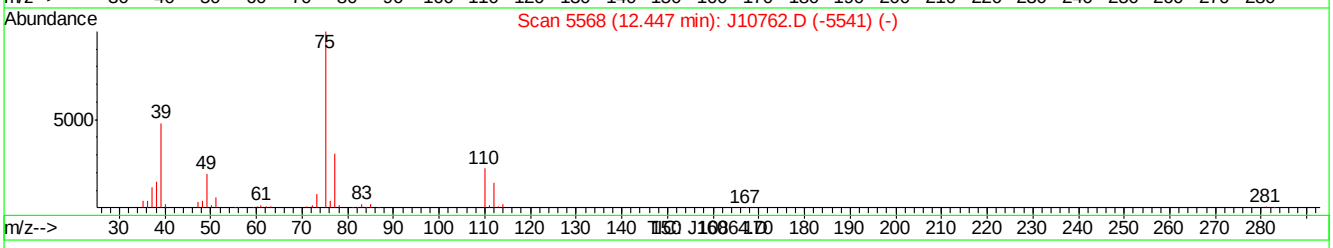
Data File : C:\MSDChem\1\data\J10864.D Vial: 1
Acq On : 5 Jul 2007 2:22 pm Operator: danat
Sample : ic562-20 (M210) Inst : MSJ
Misc : MS13866, MSJ562,,,,,1 Multiplr: 1.00
MS Integration Params: LSCINT.P

Quant Time: Jul 05 15:00:43 2007 Results File: J070507T.RES

Method : C:\MSDCHEM\1\METHODS\J070507T.M (RTE Integrator)
Title : TO15 by GCMS w/DB-1 60 m X .25 mm ID 1.0 um
Last Update : Thu Jul 05 11:24:31 2007
Response via : Multiple Level Calibration







(47) trans-1,3-DICHLOROPROPENE (m)

12.45min 27.09PPBV m

response 814312

Ion	Exp%	Act%
75.00	100	100
77.00	32.00	0.00#
39.00	49.20	0.00#
0.00	0.00	0.00

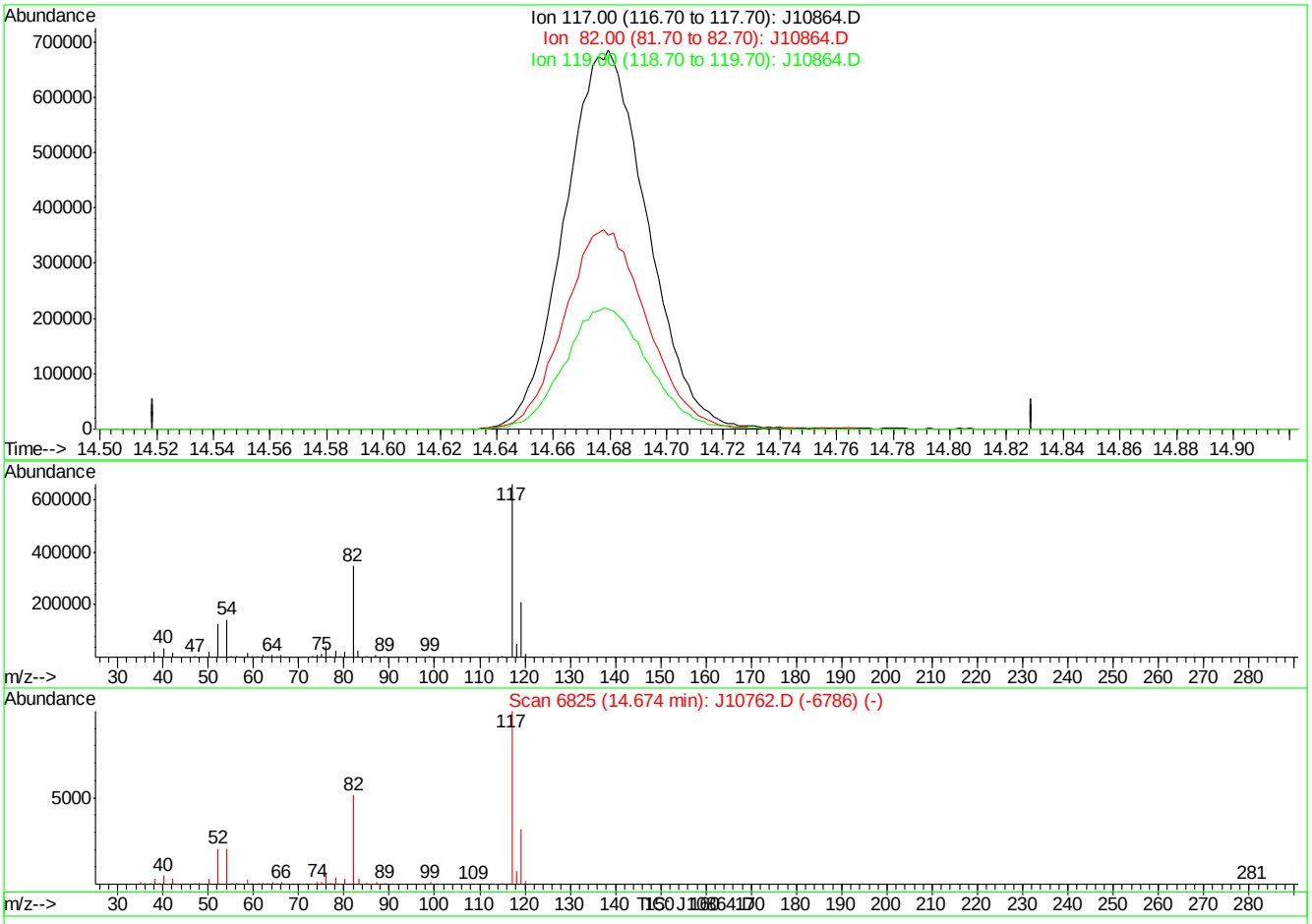
J10864.D J070507T.M Thu Jul 05 15:01:55 2007

Quantitation Report (Qedit)

Data File : C:\MSDChem\1\data\J10864.D Vial: 1
Acq On : 5 Jul 2007 2:22 pm Operator: danat
Sample : ic562-20 (M210) Inst : MSJ
Misc : MS13866, MSJ562,,,,,1 Multiplr: 1.00
MS Integration Params: LSCINT.P

Quant Time: Jul 05 15:00:43 2007 Results File: J070507T.RES

Method : C:\MSDCHEM\1\METHODS\J070507T.M (RTE Integrator)
Title : TO15 by GCMS w/DB-1 60 m X .25 mm ID 1.0 um
Last Update : Thu Jul 05 11:24:31 2007
Response via : Multiple Level Calibration



(49) CHLOROBENZENE-D5 (I)

14.67min 0.00PPBV

response 0

Ion	Exp%	Act%
117.00	100	0.00
82.00	0.00	0.00
119.00	0.00	0.00
0.00	0.00	0.00

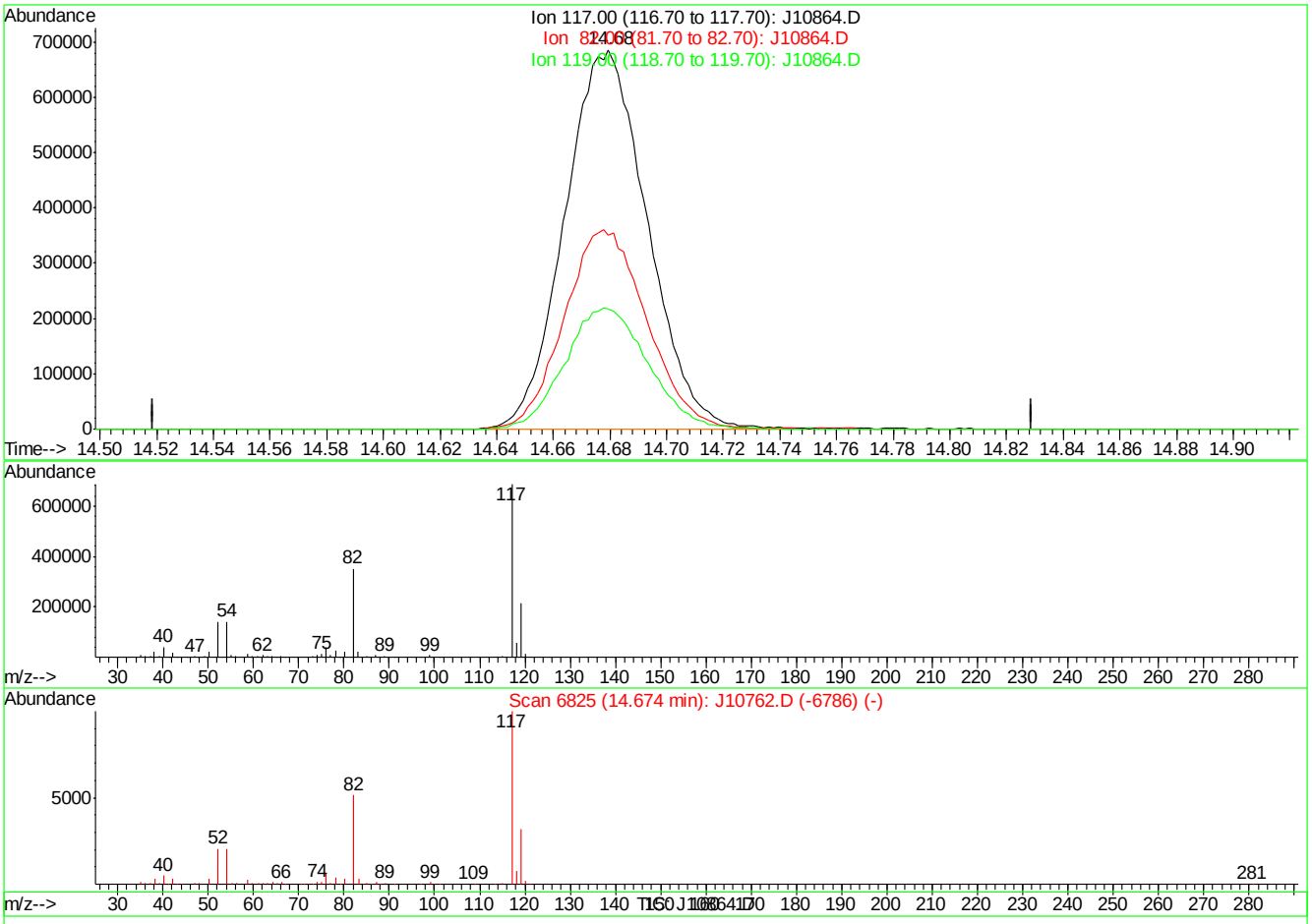
J10864.D J070507T.M Thu Jul 05 15:02:00 2007

Quantitation Report (Qedit)

Data File : C:\MSDChem\1\data\J10864.D Vial: 1
Acq On : 5 Jul 2007 2:22 pm Operator: danat
Sample : ic562-20 (M210) Inst : MSJ
Misc : MS13866, MSJ562,,,,,1 Multiplr: 1.00
MS Integration Params: LSCINT.P

Quant Time: Jul 05 15:00:43 2007 Results File: J070507T.RES

Method : C:\MSDCHEM\1\METHODS\J070507T.M (RTE Integrator)
Title : TO15 by GCMS w/DB-1 60 m X .25 mm ID 1.0 um
Last Update : Thu Jul 05 11:24:31 2007
Response via : Multiple Level Calibration



(49) CHLOROBENZENE-D5 (I)

14.68min 10.00PPBV m

response 1386139

Ion	Exp%	Act%
117.00	100	100
82.00	0.00	0.00
119.00	0.00	0.00
0.00	0.00	0.00

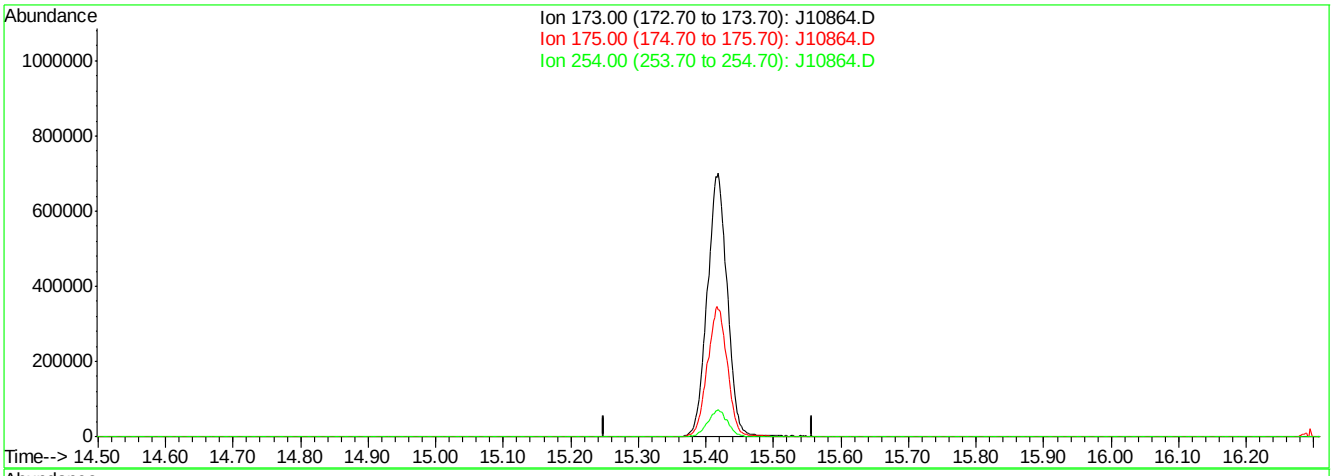
J10864.D J070507T.M Thu Jul 05 15:02:05 2007

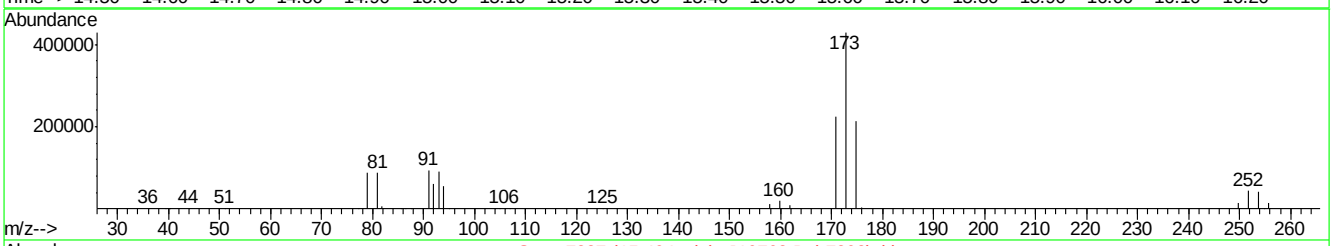
Quantitation Report (Qedit)

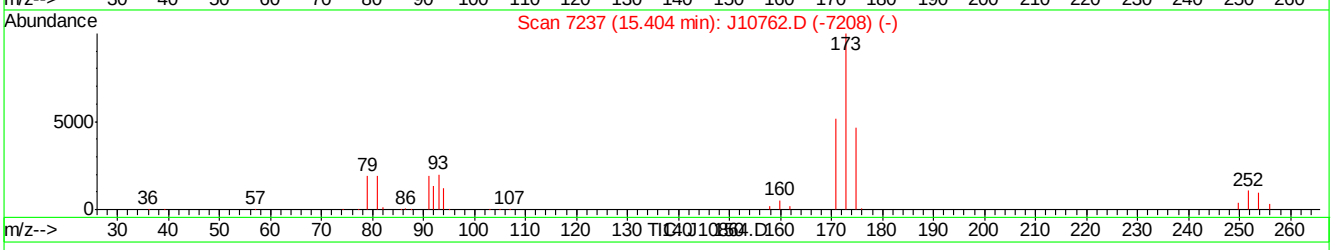
Data File : C:\MSDChem\1\data\J10864.D Vial: 1
Acq On : 5 Jul 2007 2:22 pm Operator: danat
Sample : ic562-20 (M210) Inst : MSJ
Misc : MS13866, MSJ562,,,,,1 Multiplr: 1.00
MS Integration Params: LSCINT.P

Quant Time: Jul 05 15:00:43 2007 Results File: J070507T.RES

Method : C:\MSDCHEM\1\METHODS\J070507T.M (RTE Integrator)
Title : TO15 by GCMS w/DB-1 60 m X .25 mm ID 1.0 um
Last Update : Thu Jul 05 11:24:31 2007
Response via : Multiple Level Calibration







(60) BROMOFORM (m)

15.40min 0.00PPBV

response 0

Ion	Exp%	Act%
173.00	100	0.00
175.00	49.10	0.00#
254.00	9.90	0.00
0.00	0.00	0.00

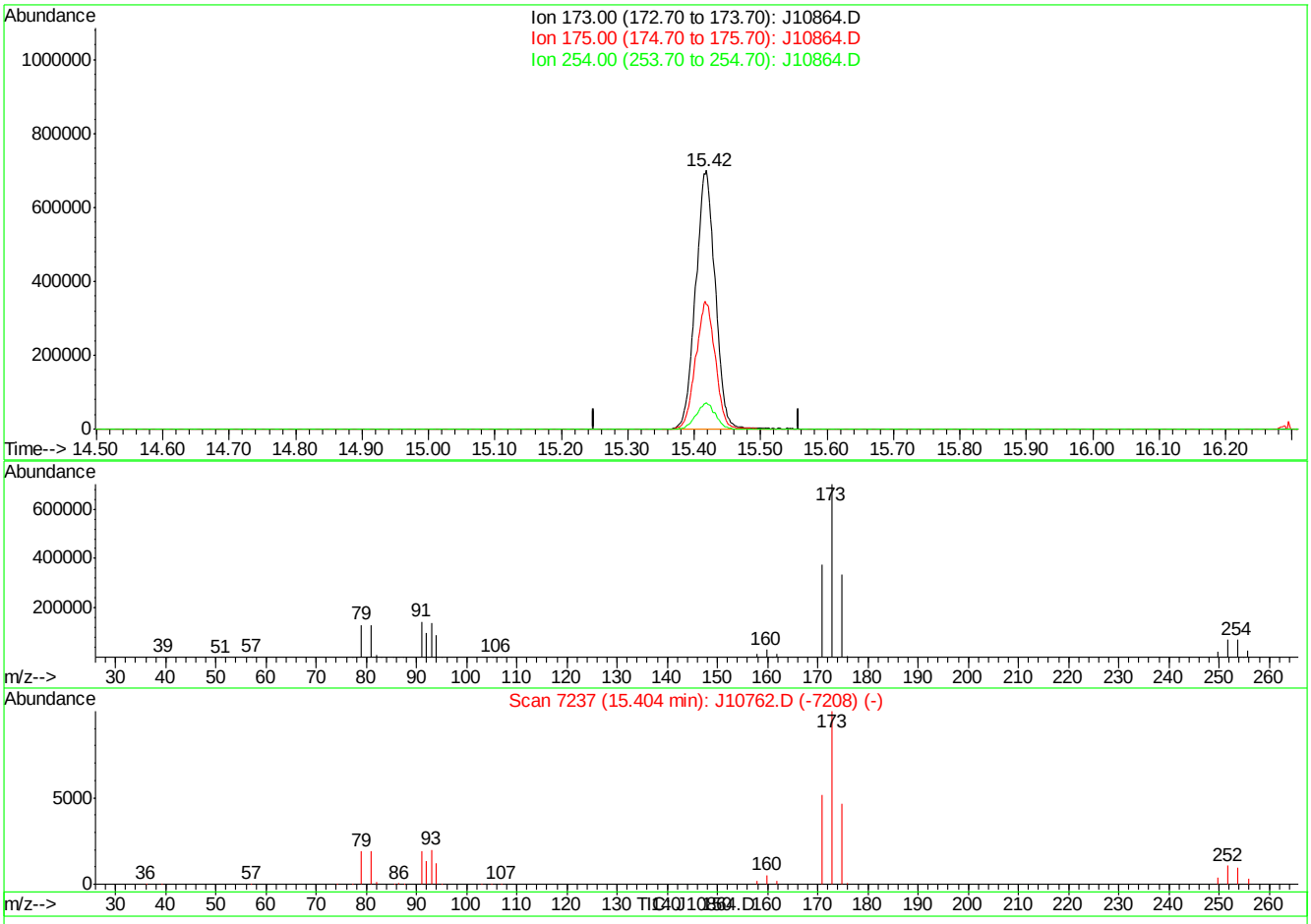
J10864.D J070507T.M Thu Jul 05 15:02:16 2007

Quantitation Report (Qedit)

Data File : C:\MSDChem\1\data\J10864.D Vial: 1
Acq On : 5 Jul 2007 2:22 pm Operator: danat
Sample : ic562-20 (M210) Inst : MSJ
Misc : MS13866, MSJ562,,,,,1 Multiplr: 1.00
MS Integration Params: LSCINT.P

Quant Time: Jul 05 15:00:43 2007 Results File: J070507T.RES

Method : C:\MSDCHEM\1\METHODS\J070507T.M (RTE Integrator)
Title : TO15 by GCMS w/DB-1 60 m X .25 mm ID 1.0 um
Last Update : Thu Jul 05 11:24:31 2007
Response via : Multiple Level Calibration



(60) BROMOFORM (m)

15.42min 21.65PPBV m

response 1435182

Ion	Exp%	Act%
173.00	100	100
175.00	49.10	0.00#
254.00	9.90	0.00
0.00	0.00	0.00

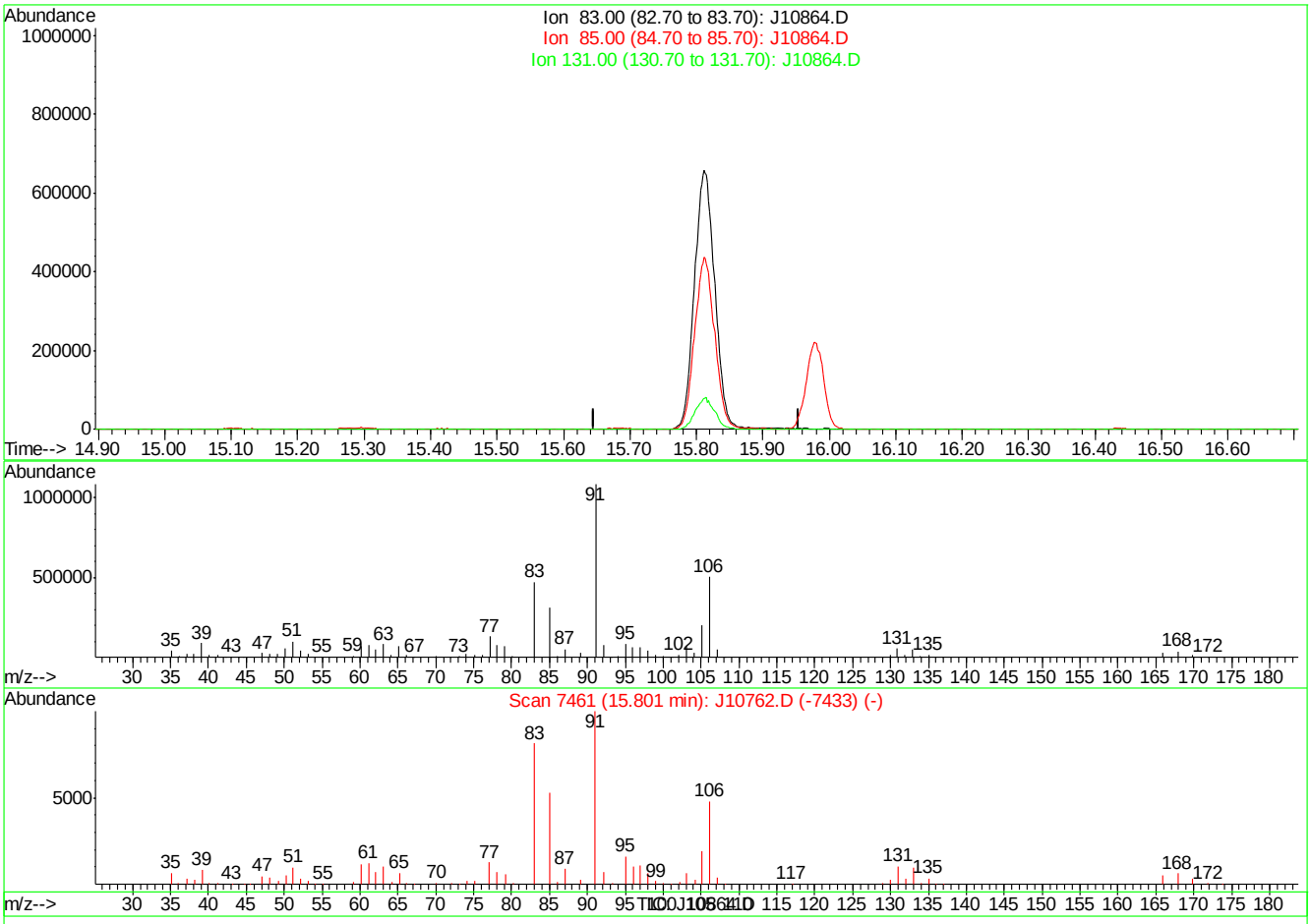
J10864.D J070507T.M Thu Jul 05 15:02:22 2007

Quantitation Report (Qedit)

Data File : C:\MSDChem\1\data\J10864.D Vial: 1
Acq On : 5 Jul 2007 2:22 pm Operator: danat
Sample : ic562-20 (M210) Inst : MSJ
Misc : MS13866, MSJ562,,,,,1 Multiplr: 1.00
MS Integration Params: LSCINT.P

Quant Time: Jul 05 15:00:43 2007 Results File: J070507T.RES

Method : C:\MSDCHEM\1\METHODS\J070507T.M (RTE Integrator)
Title : TO15 by GCMS w/DB-1 60 m X .25 mm ID 1.0 um
Last Update : Thu Jul 05 11:24:31 2007
Response via : Multiple Level Calibration



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

15.80min 0.00PPBV

response 0

Ion	Exp%	Act%
83.00	100	0.00
85.00	66.00	0.00#
131.00	12.40	0.00
0.00	0.00	0.00

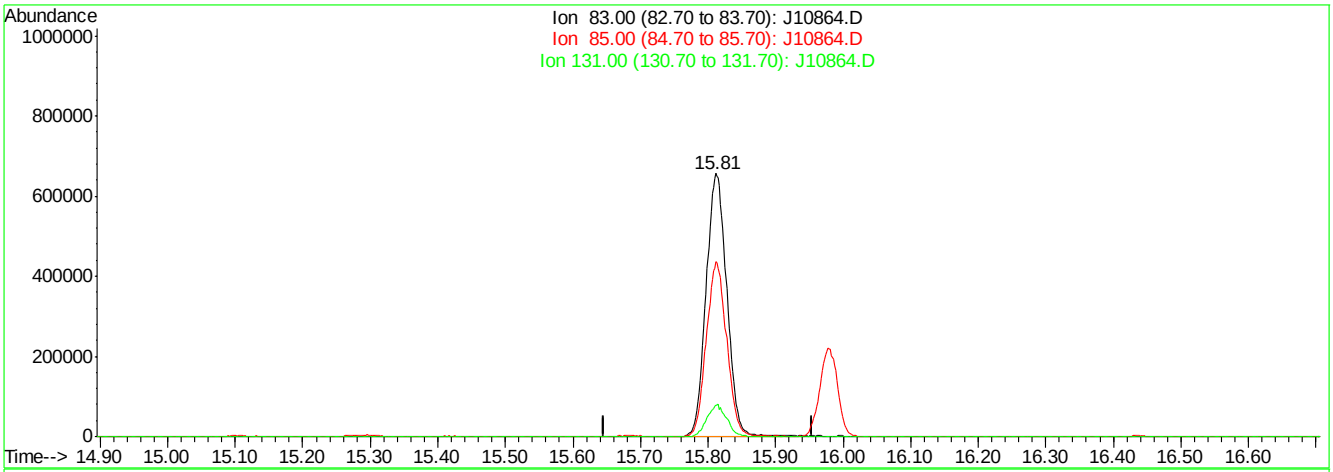
J10864.D J070507T.M Thu Jul 05 15:02:27 2007

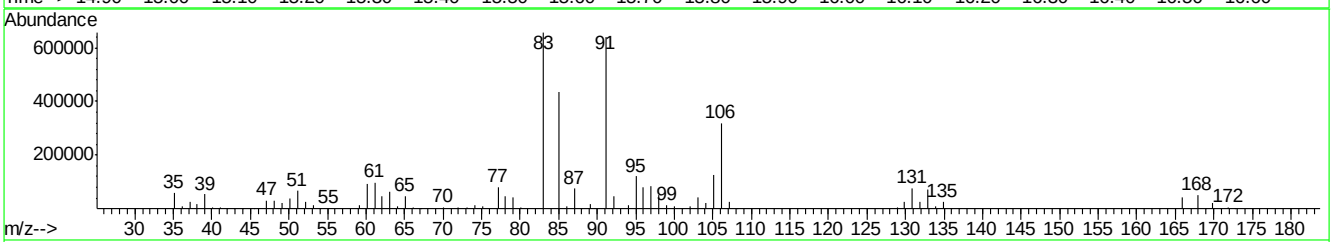
Quantitation Report (Qedit)

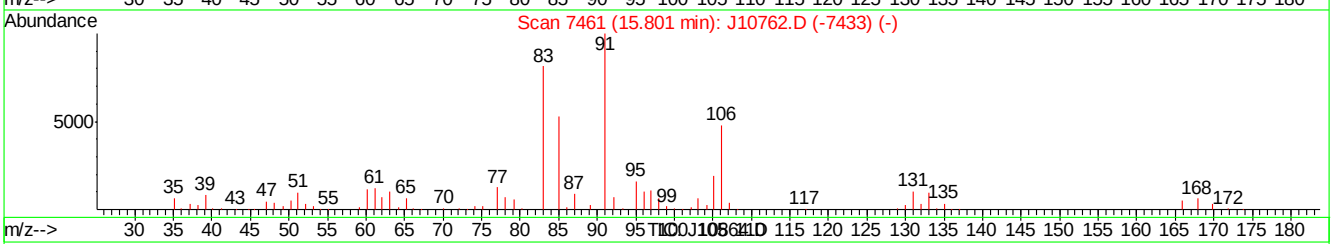
Data File : C:\MSDChem\1\data\J10864.D Vial: 1
Acq On : 5 Jul 2007 2:22 pm Operator: danat
Sample : ic562-20 (M210) Inst : MSJ
Misc : MS13866, MSJ562,,,,,1 Multiplr: 1.00
MS Integration Params: LSCINT.P

Quant Time: Jul 05 15:00:43 2007 Results File: J070507T.RES

Method : C:\MSDCHEM\1\METHODS\J070507T.M (RTE Integrator)
Title : TO15 by GCMS w/DB-1 60 m X .25 mm ID 1.0 um
Last Update : Thu Jul 05 11:24:31 2007
Response via : Multiple Level Calibration







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

15.81min 23.81PPBV m

response 1397530

Ion	Exp%	Act%
83.00	100	100
85.00	66.00	0.00#
131.00	12.40	0.00
0.00	0.00	0.00

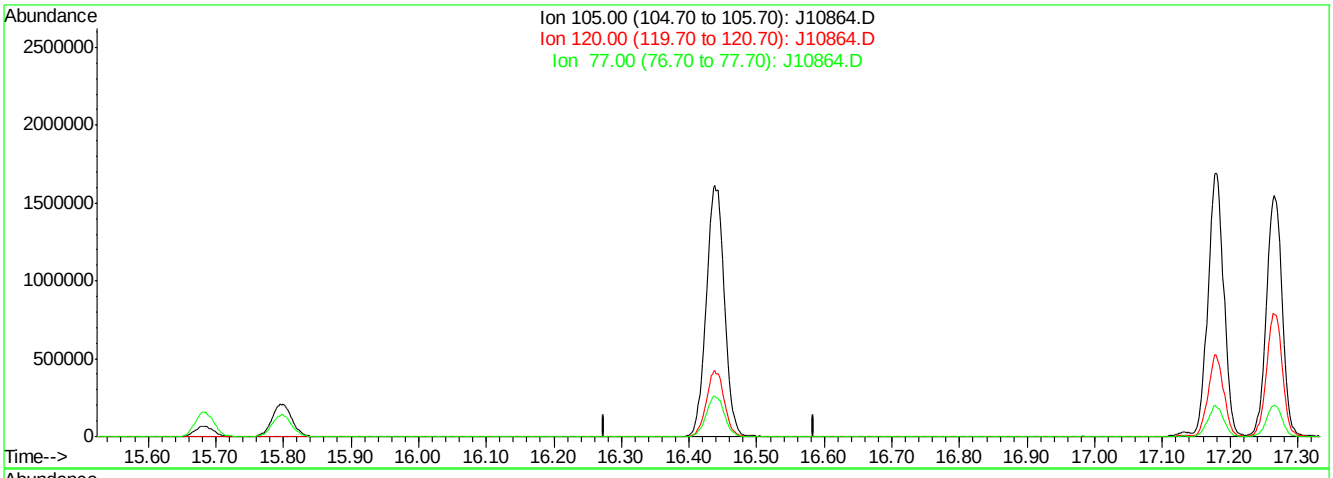
J10864.D J070507T.M Thu Jul 05 15:02:31 2007

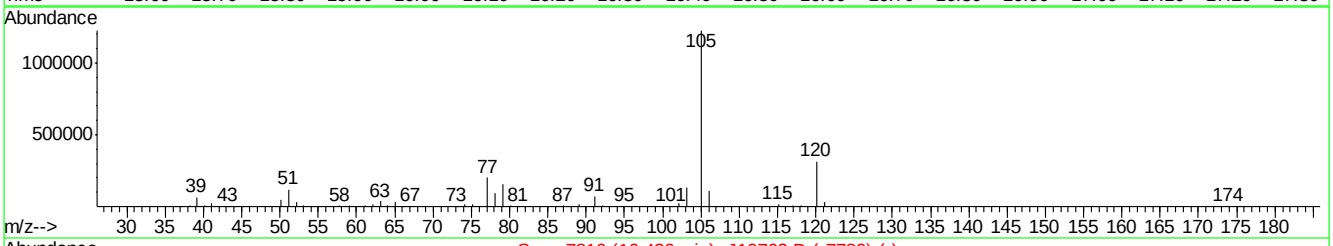
Quantitation Report (Qedit)

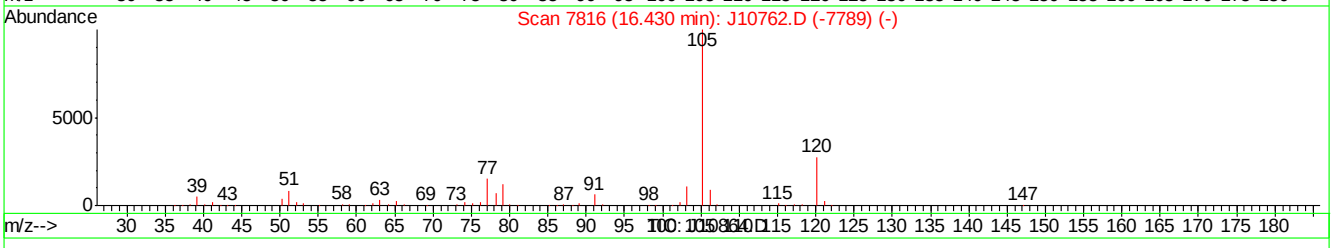
Data File : C:\MSDChem\1\data\J10864.D Vial: 1
Acq On : 5 Jul 2007 2:22 pm Operator: danat
Sample : ic562-20 (M210) Inst : MSJ
Misc : MS13866, MSJ562,,,,,1 Multiplr: 1.00
MS Integration Params: LSCINT.P

Quant Time: Jul 05 15:00:43 2007 Results File: J070507T.RES

Method : C:\MSDCHEM\1\METHODS\J070507T.M (RTE Integrator)
Title : TO15 by GCMS w/DB-1 60 m X .25 mm ID 1.0 um
Last Update : Thu Jul 05 11:24:31 2007
Response via : Multiple Level Calibration







(63) ISOPROPYLBENZENE (m)

16.43min 0.00PPBV

response 0

Ion	Exp%	Act%
105.00	100	0.00
120.00	26.60	0.00#
77.00	15.90	0.00
0.00	0.00	0.00

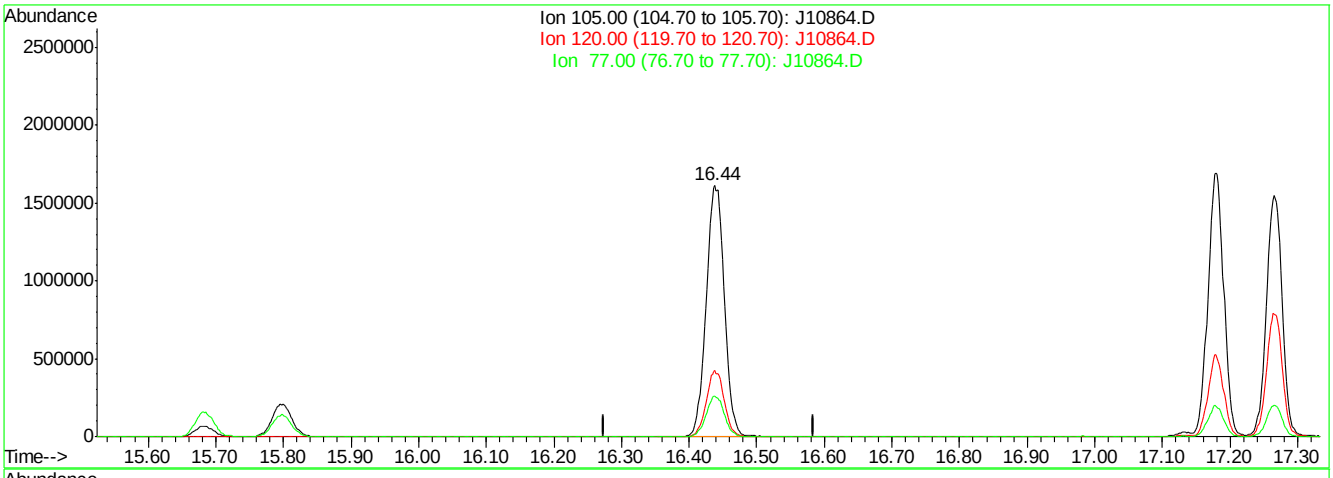
J10864.D J070507T.M Thu Jul 05 15:02:37 2007

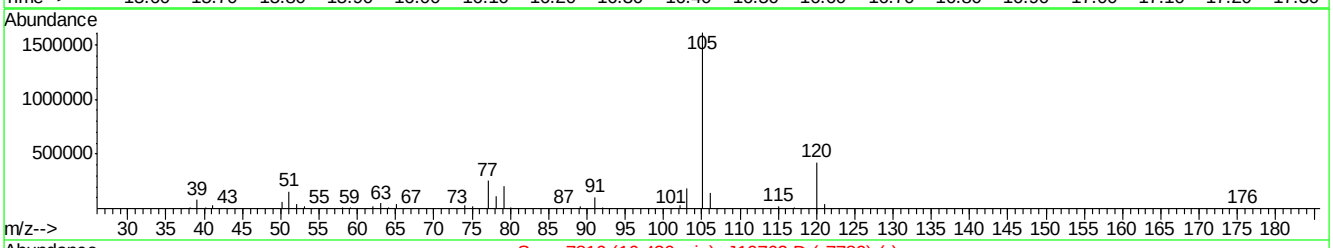
Quantitation Report (Qedit)

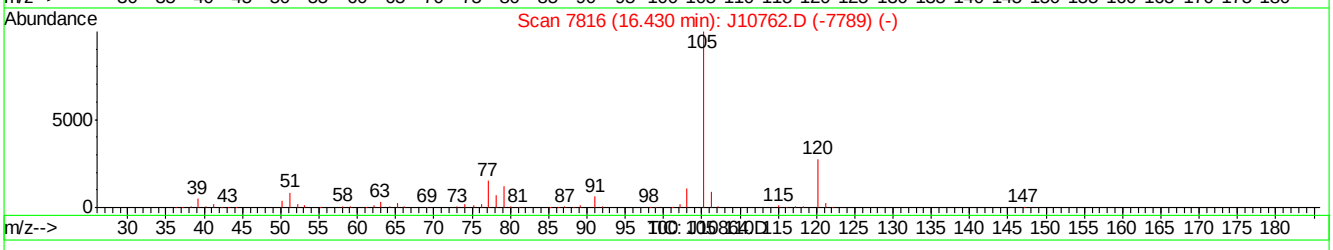
Data File : C:\MSDChem\1\data\J10864.D Vial: 1
Acq On : 5 Jul 2007 2:22 pm Operator: danat
Sample : ic562-20 (M210) Inst : MSJ
Misc : MS13866, MSJ562,,,,,1 Multiplr: 1.00
MS Integration Params: LSCINT.P

Quant Time: Jul 05 15:00:43 2007 Results File: J070507T.RES

Method : C:\MSDCHEM\1\METHODS\J070507T.M (RTE Integrator)
Title : TO15 by GCMS w/DB-1 60 m X .25 mm ID 1.0 um
Last Update : Thu Jul 05 11:24:31 2007
Response via : Multiple Level Calibration







(63) ISOPROPYLBENZENE (m)

16.44min 27.03PPBV m

response 2993529

Ion	Exp%	Act%
105.00	100	100
120.00	26.60	0.00#
77.00	15.90	0.00
0.00	0.00	0.00

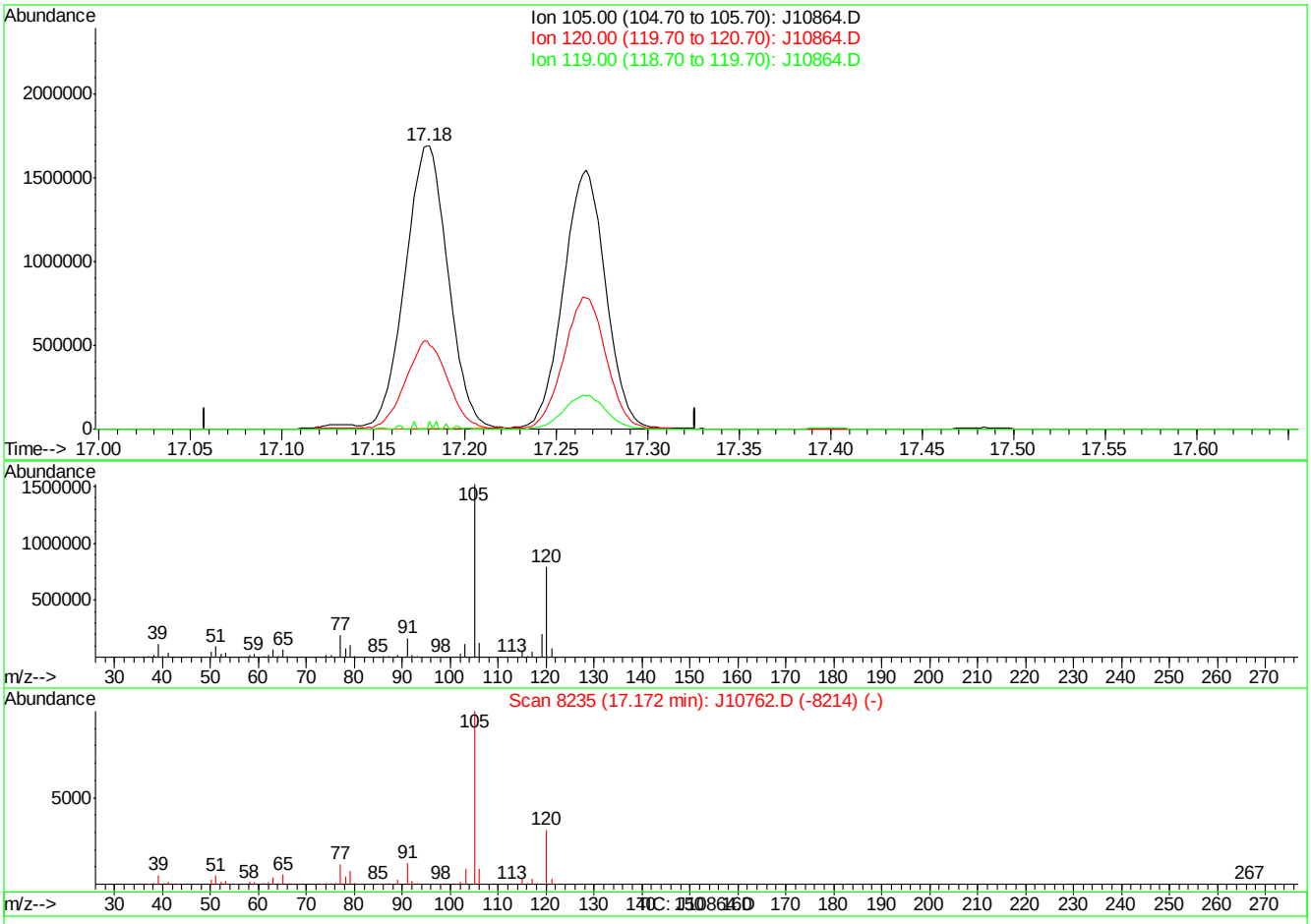
J10864.D J070507T.M Thu Jul 05 15:02:41 2007

Quantitation Report (Qedit)

Data File : C:\MSDChem\1\data\J10864.D Vial: 1
Acq On : 5 Jul 2007 2:22 pm Operator: danat
Sample : ic562-20 (M210) Inst : MSJ
Misc : MS13866, MSJ562,,,,,1 Multiplr: 1.00
MS Integration Params: LSCINT.P

Quant Time: Jul 05 15:00:43 2007 Results File: J070507T.RES

Method : C:\MSDCHEM\1\METHODS\J070507T.M (RTE Integrator)
Title : TO15 by GCMS w/DB-1 60 m X .25 mm ID 1.0 um
Last Update : Thu Jul 05 11:24:31 2007
Response via : Multiple Level Calibration



(65) 4-ETHYLTOLUENE (m)

17.18min 30.08PPBV

response 2740052

Ion	Exp%	Act%
105.00	100	100
120.00	31.00	30.47
119.00	0.90	0.49
0.00	0.00	0.00

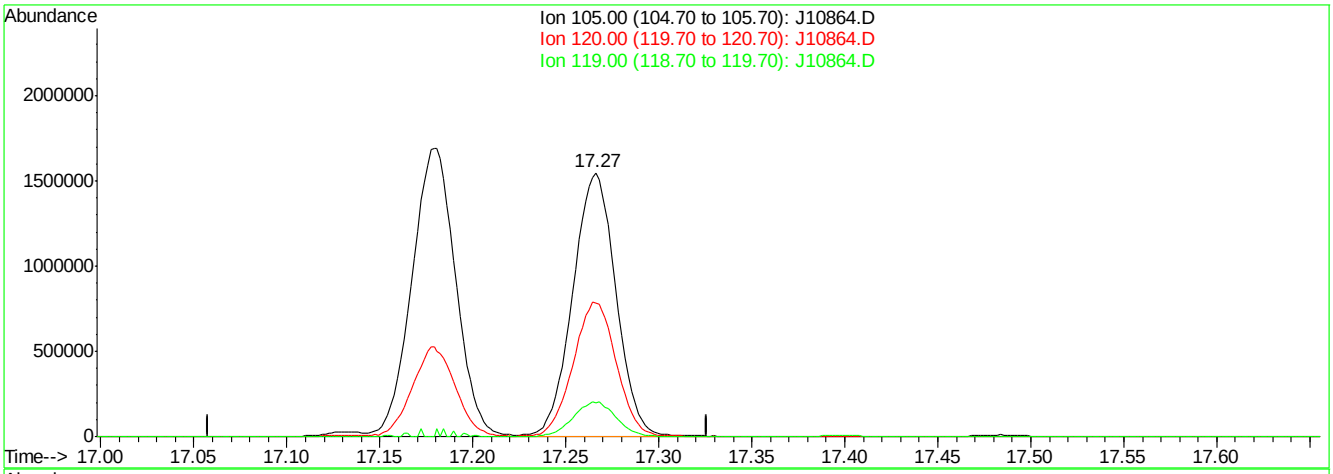
J10864.D J070507T.M Thu Jul 05 15:03:12 2007

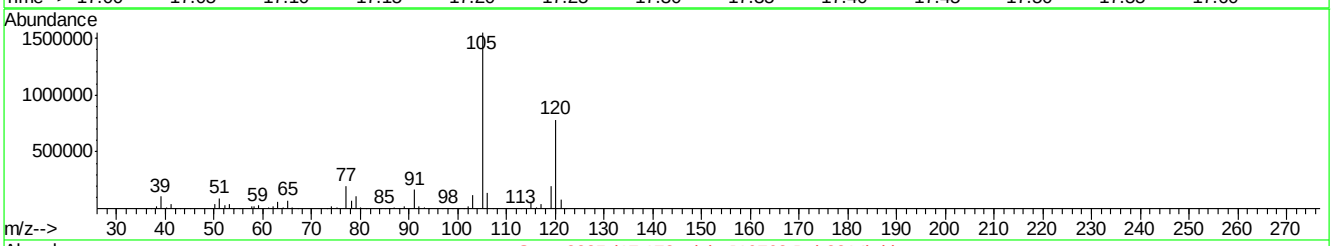
Quantitation Report (Qedit)

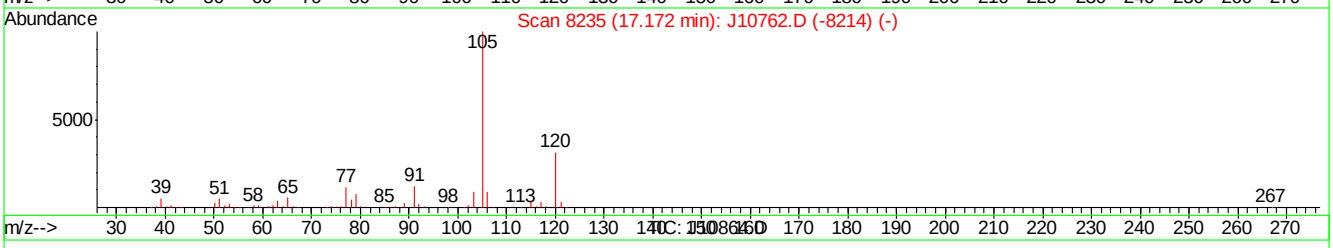
Data File : C:\MSDChem\1\data\J10864.D Vial: 1
Acq On : 5 Jul 2007 2:22 pm Operator: danat
Sample : ic562-20 (M210) Inst : MSJ
Misc : MS13866, MSJ562,,,,,1 Multiplr: 1.00
MS Integration Params: LSCINT.P

Quant Time: Jul 05 15:00:43 2007 Results File: J070507T.RES

Method : C:\MSDCHEM\1\METHODS\J070507T.M (RTE Integrator)
Title : TO15 by GCMS w/DB-1 60 m X .25 mm ID 1.0 um
Last Update : Thu Jul 05 11:24:31 2007
Response via : Multiple Level Calibration







(65) 4-ETHYLTOLUENE (m)

17.27min 27.55PPBV m

response 2509316

Ion	Exp%	Act%
105.00	100	100
120.00	31.00	33.27
119.00	0.90	0.54
0.00	0.00	0.00

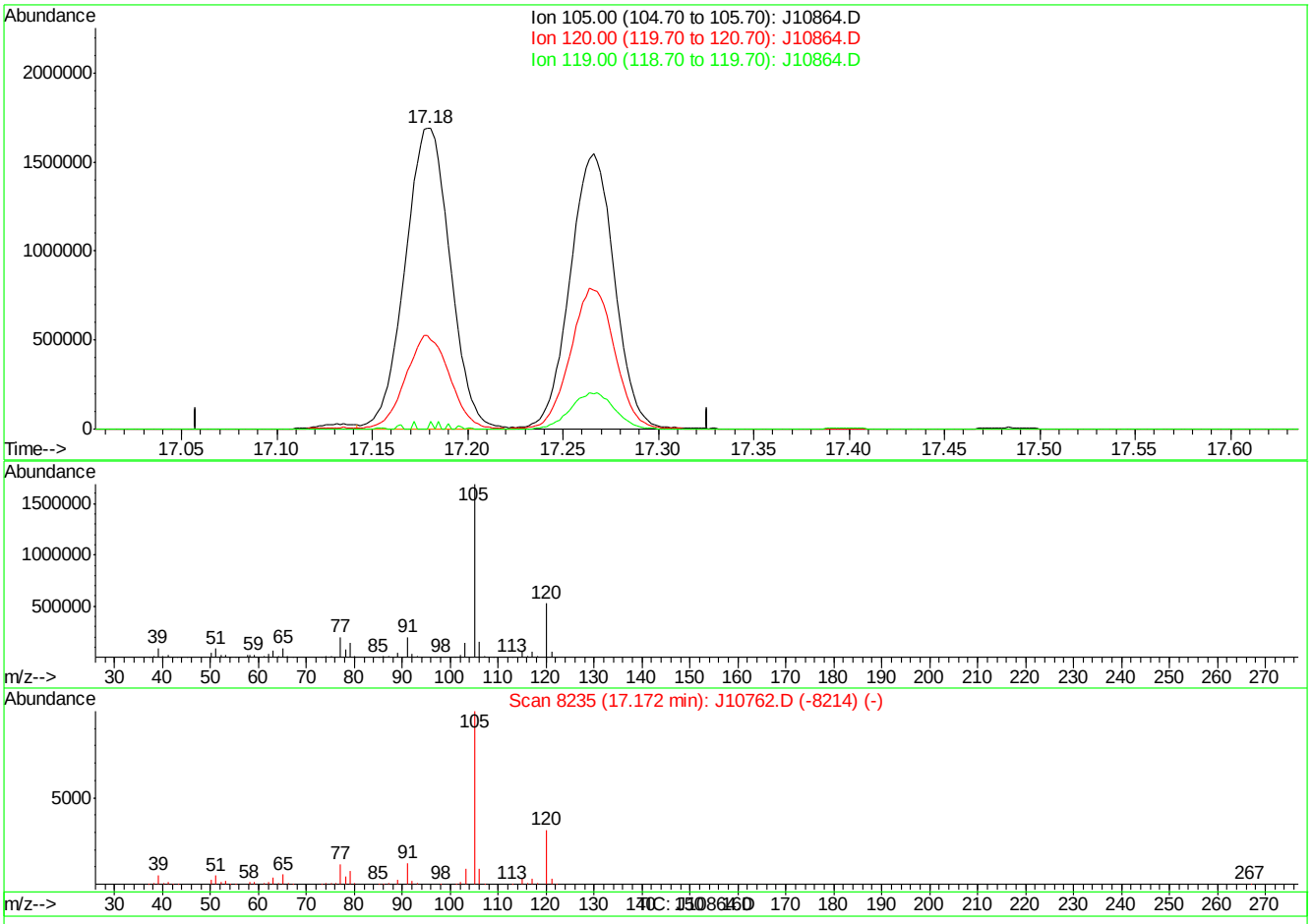
J10864.D J070507T.M Thu Jul 05 15:03:17 2007

Quantitation Report (Qedit)

Data File : C:\MSDChem\1\data\J10864.D Vial: 1
Acq On : 5 Jul 2007 2:22 pm Operator: danat
Sample : ic562-20 (M210) Inst : MSJ
Misc : MS13866, MSJ562,,,,,1 Multiplr: 1.00
MS Integration Params: LSCINT.P

Quant Time: Jul 05 15:00:43 2007 Results File: J070507T.RES

Method : C:\MSDCHEM\1\METHODS\J070507T.M (RTE Integrator)
Title : TO15 by GCMS w/DB-1 60 m X .25 mm ID 1.0 um
Last Update : Thu Jul 05 11:24:31 2007
Response via : Multiple Level Calibration



(65) 4-ETHYLTOLUENE (m)

17.18min 30.46PPBV m

response 2774205

Ion	Exp%	Act%
105.00	100	100
120.00	31.00	30.10
119.00	0.90	0.49
0.00	0.00	0.00

J10864.D J070507T.M Thu Jul 05 15:04:18 2007

Quantitation Report (QT Reviewed)

Data Path : C:\MSDChem\1\data\
Data File : J10865.D
Acq On : 5 Jul 2007 3:15 pm
Operator : danat
Sample : icc562-10 (M210)
Misc : MS13866, MSJ562,,,,,1
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Jul 05 15:56:35 2007
Quant Method : C:\MSDCHEM\1\METHODS\J070507T.M
Quant Title : TO15 by GCMS w/DB-1 60 m X .25 mm ID 1.0 um
QLast Update : Thu Jul 05 15:05:53 2007
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) BROMOCHLOROMETHANE	8.62	128	357730	10.00	PPBV	-0.01
35) 1,4-DIFLUOROBENZENE	10.43	114	1553136	10.00	PPBV	-0.01
49) CHLOROBENZENE-D5	14.67	117	1367583	10.00	PPBV	0.00
System Monitoring Compounds						
61) 4-BROMOFLUOROBENZENE	16.30	95	450698	5.27	PPBV	0.00
Spiked Amount 5.000	Range 51 - 142		Recovery = 105.40%			
Target Compounds						Qvalue
2) DICHLORODIFLUOROMETHANE	4.07	85	1076721	9.52	PPBV	99
3) PROPYLENE	4.00	41	194056	11.86	PPBV	95
4) FREON 114	4.32	85	925238	9.03	PPBV	97
5) CHLOROMETHANE	4.23	50	234686	8.87	PPBV	97
6) VINYL CHLORIDE	4.45	62	277627	9.48	PPBV	99
7) 1,3-BUTADIENE	4.58	39	218238	10.78	PPBV	96
8) BROMOMETHANE	4.85	94	319015	9.42	PPBV	100
9) CHLOROETHANE	5.02	64	134835	9.66	PPBV	99
10) TRICHLOROFLUOROMETHANE	5.78	101	1055126	8.78	PPBV	100
11) ISOPROPYL ALCOHOL	5.97	45	339354	9.16	PPBV	97
12) ACETONE	5.65	43	339867	7.29	PPBV	99
13) PENTANE	6.13	42	259655	9.22	PPBV	98
14) 1,1-DICHLOROETHYLENE	6.41	96	319565	10.85	PPBV	99
15) CARBON DISULFIDE	6.84	76	917919	9.03	PPBV	99
16) ETHANOL	5.22	45	57517	11.16	PPBV	98
17) BROMOETHENE	5.37	106	314720	11.23	PPBV	99
18) METHYLENE CHLORIDE	6.53	84	288840	5.18	PPBV	97
19) 3-CHLOROPROPENE	6.65	39	240728	8.70	PPBV	96
20) FREON 113	6.77	151	667186	8.48	PPBV	97
21) TRANS-1,2-DICHLOROETHYLENE	7.44	96	308958	10.23	PPBV	98
22) TERTIARY BUTYL ALCOHOL	6.57	59	430066	10.86	PPBV	97
23) METHYL TERTIARY BUTYL ETHE	7.72	73	648617	11.42	PPBV	99
24) TETRAHYDROFURAN	9.17	42	204598	10.76	PPBV	99
25) HEXANE	8.62	57	362632	8.86	PPBV	99
26) VINYL ACETATE	7.79	43	422954	10.12	PPBV	98
27) 1,1-DICHLOROETHANE	7.64	63	515933	9.09	PPBV	99
28) METHYL ETHYL KETONE	8.07	43	406111	9.37	PPBV	99
29) cis-1,2-DICHLOROETHYLENE	8.45	96	291022	9.73	PPBV	98
30) ETHYL ACETATE	8.69	43	453029	9.57	PPBV #	96
31) CHLOROFORM	8.74	83	709256	8.74	PPBV	99
32) 1,1,1-TRICHLOROETHANE	9.67	97	790106	8.93	PPBV	99
33) CARBON TETRACHLORIDE	10.25	117	974330	9.04	PPBV	100
34) 1,2-DICHLOROETHANE	9.44	62	400572	9.36	PPBV	98
36) BENZENE	10.11	78	719064	9.93	PPBV	99
37) CYCLOHEXANE	10.36	84	351407	10.53	PPBV	98
38) TRICHLOROETHYLENE	11.11	95	372031	9.25	PPBV	98
39) 1,2-DICHLOROPROPANE	10.89	63	229523	9.08	PPBV	98
40) BROMODICHLOROMETHANE	11.08	83	636878	8.48	PPBV	99
41) 2,2,4-TRIMETHYLPENTANE	11.12	57	1173343	10.61	PPBV	98
42) 1,4-DIOXANE	11.17	88	128934	10.23	PPBV	93
43) HEPTANE	11.36	43	377865	9.28	PPBV	98

Quantitation Report (QT Reviewed)

Data Path : C:\MSDChem\1\data\
Data File : J10865.D
Acq On : 5 Jul 2007 3:15 pm
Operator : danat
Sample : icc562-10 (M210)
Misc : MS13866, MSJ562,,,,,1
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Jul 05 15:56:35 2007
Quant Method : C:\MSDCHEM\1\METHODS\J070507T.M
Quant Title : TO15 by GCMS w/DB-1 60 m X .25 mm ID 1.0 um
QLast Update : Thu Jul 05 15:05:53 2007
Response via : Initial Calibration

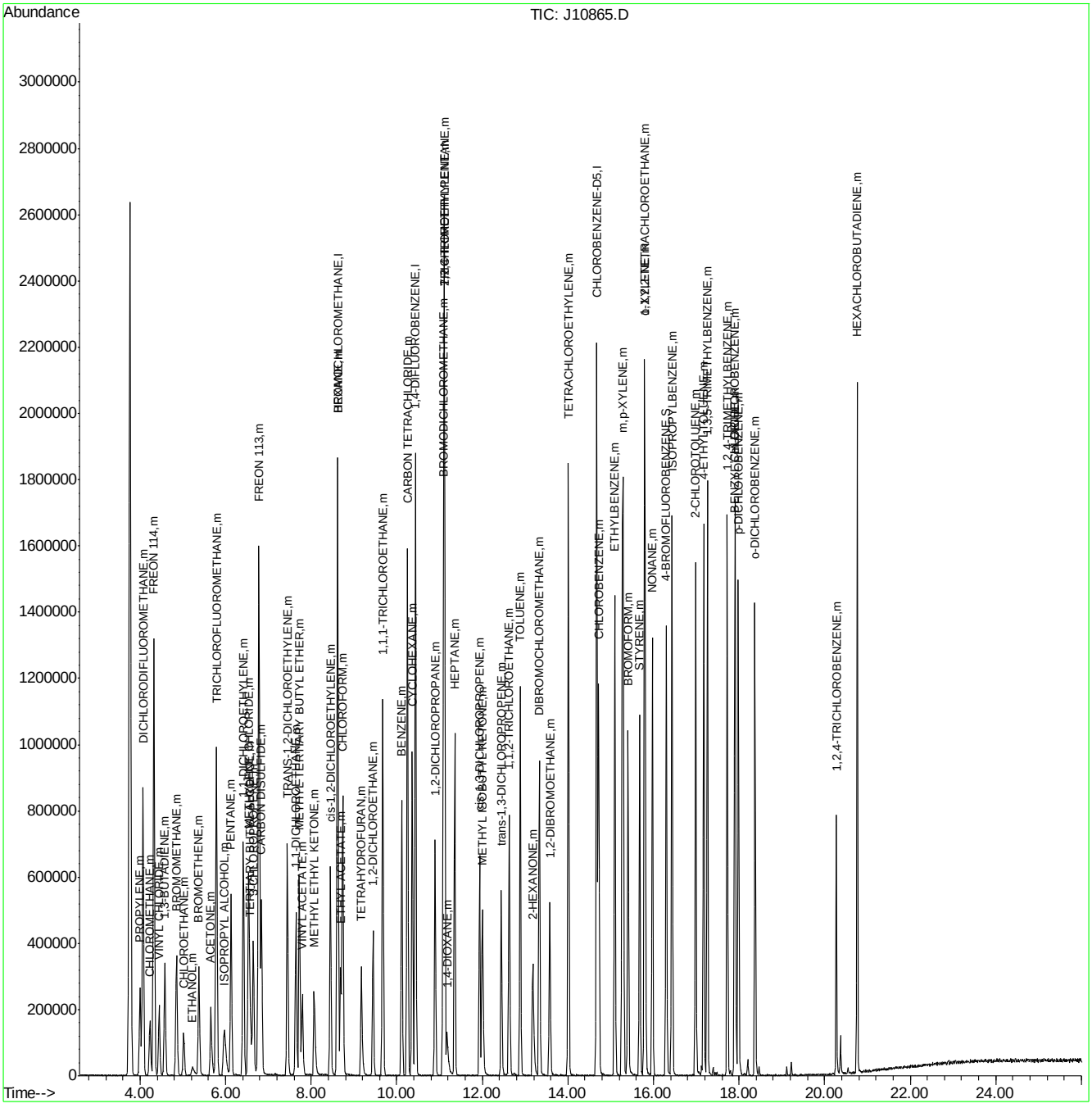
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) METHYL ISOBUTYL KETONE	12.00	43	441145	9.32	PPBV	98
45) cis-1,3-DICHLOROPROPENE	11.93	75	340858	11.13	PPBV	98
46) TOLUENE	12.89	92	492562	11.16	PPBV	99
47) trans-1,3-DICHLOROPROPENE	12.44	75	328198	11.25	PPBV	97
48) 1,1,2-TRICHLOROETHANE	12.63	83	240240	8.98	PPBV	100
50) 2-HEXANONE	13.18	43	358222	9.19	PPBV	100
51) TETRACHLOROETHYLENE	14.01	164	410408	9.45	PPBV	99
52) DIBROMOCHLOROMETHANE	13.33	129	608765	8.95	PPBV	99
53) 1,2-DIBROMOETHANE	13.57	107	427988	9.19	PPBV	100
54) CHLOROBENZENE	14.72	112	688122	8.98	PPBV	99
55) ETHYLBENZENE	15.10	91	1080019	11.86	PPBV	99
56) m,p-XYLENE	15.28	106	896520	23.64	PPBV	94
57) o-XYLENE	15.79	106	441607	11.65	PPBV	99
58) STYRENE	15.68	104	565869	12.01	PPBV	100
59) NONANE	15.97	43	470369	9.54	PPBV	97
60) BROMOFORM	15.41	173	580762	8.81	PPBV	100
62) 1,1,2,2-TETRACHLOROETHANE	15.80	83	566916	8.01	PPBV	99
63) ISOPROPYLBENZENE	16.43	105	1254810	11.11	PPBV	99
64) 2-CHLOROTOLUENE	16.99	91	840760	11.11	PPBV	98
65) 4-ETHYLTOLUENE	17.17	105	1060550	9.46	PPBV	99
66) 1,3,5-TRIMETHYLBENZENE	17.26	105	993599	9.11	PPBV	99
67) 1,2,4-TRIMETHYLBENZENE	17.72	105	878799	9.31	PPBV	99
68) m-DICHLOROBENZENE	17.91	146	630101	8.68	PPBV	99
69) BENZYL CHLORIDE	17.89	91	508860	9.48	PPBV	99
70) p-DICHLOROBENZENE	17.99	146	601901	9.27	PPBV	100
71) o-DICHLOROBENZENE	18.37	146	540883	8.38	PPBV	99
72) HEXACHLOROBUTADIENE	20.76	225	347338	4.03	PPBV	98
73) 1,2,4-TRICHLOROBENZENE	20.27	180	206967	5.98	PPBV	98

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

Quantitation Report (QT Reviewed)

Data Path : C:\MSDChem\1\data\
Data File : J10865.D
Acq On : 5 Jul 2007 3:15 pm
Operator : danat
Sample : icc562-10 (M210)
Misc : MS13866, MSJ562,,,,,1
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Jul 05 15:56:35 2007
Quant Method : C:\MSDCHEM\1\METHODS\J070507T.M
Quant Title : TO15 by GCMS w/DB-1 60 m X .25 mm ID 1.0 um
QLast Update : Thu Jul 05 15:05:53 2007
Response via : Initial Calibration



Manual Integrations APPROVED (compounds with "m" flag)
Doug Yargeau 07/11/07 09:41

Quantitation Report (QT Reviewed)

Data Path : C:\MSDChem\1\data\
Data File : J10866.D
Acq On : 5 Jul 2007 4:08 pm
Operator : danat
Sample : ic562-5 (M210)
Misc : MS13866, MSJ562,,,,,1
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Jul 05 16:35:37 2007
Quant Method : C:\MSDCHEM\1\METHODS\J070507T.M
Quant Title : TO15 by GCMS w/DB-1 60 m X .25 mm ID 1.0 um
QLast Update : Thu Jul 05 15:59:14 2007
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) BROMOCHLOROMETHANE	8.62	128	308937	10.00	PPBV	0.00
35) 1,4-DIFLUOROBENZENE	10.43	114	1344037	10.00	PPBV	0.00
49) CHLOROBENZENE-D5	14.67	117	1158520	10.00	PPBV	0.00
System Monitoring Compounds						
61) 4-BROMOFLUOROBENZENE	16.29	95	339092	4.64	PPBV	0.00
Spiked Amount 5.000	Range 51 - 142		Recovery = 92.80%			
Target Compounds						Qvalue
2) DICHLORODIFLUOROMETHANE	4.07	85	582729	6.01	PPBV	100
3) PROPYLENE	4.00	41	98294	6.75	PPBV	91
4) FREON 114	4.32	85	536000	6.16	PPBV	100
5) CHLOROMETHANE	4.23	50	138711	6.19	PPBV	94
6) VINYL CHLORIDE	4.45	62	161797	6.45	PPBV	97
7) 1,3-BUTADIENE	4.58	39	118794	6.71	PPBV	99
8) BROMOMETHANE	4.85	94	178086	6.15	PPBV	99
9) CHLOROETHANE	5.02	64	65785	5.49	PPBV	99
10) TRICHLOROFLUOROMETHANE	5.79	101	595728	5.86	PPBV	100
11) ISOPROPYL ALCOHOL	5.95	45	160004	5.09	PPBV	88
12) ACETONE	5.66	43	177681	4.62	PPBV	100
13) PENTANE	6.13	42	139874	5.83	PPBV	99
14) 1,1-DICHLOROETHYLENE	6.42	96	169136	6.56	PPBV	99
15) CARBON DISULFIDE	6.84	76	510584	5.91	PPBV	99
16) ETHANOL	5.22	45	27044m	5.44	PPBV	
17) BROMOETHENE	5.38	106	169125	6.85	PPBV	99
18) METHYLENE CHLORIDE	6.54	84	152118	5.22	PPBV	98
19) 3-CHLOROPROPENE	6.65	39	110392	4.74	PPBV	99
20) FREON 113	6.78	151	336280	5.08	PPBV	99
21) TRANS-1,2-DICHLOROETHYLENE	7.45	96	154290	5.89	PPBV	99
22) TERTIARY BUTYL ALCOHOL	6.56	59	195431	5.62	PPBV	97
23) METHYL TERTIARY BUTYL ETHE	7.73	73	313923	6.25	PPBV	99
24) TETRAHYDROFURAN	9.18	42	95468	5.73	PPBV	98
25) HEXANE	8.63	57	179704	5.18	PPBV	99
26) VINYL ACETATE	7.79	43	199338	5.51	PPBV	97
27) 1,1-DICHLOROETHANE	7.65	63	256128	5.31	PPBV	99
28) METHYL ETHYL KETONE	8.07	43	192895	5.21	PPBV	97
29) cis-1,2-DICHLOROETHYLENE	8.45	96	147584	5.74	PPBV	99
30) ETHYL ACETATE	8.69	43	211407	5.21	PPBV	100
31) CHLOROFORM	8.73	83	360248	5.25	PPBV	100
32) 1,1,1-TRICHLOROETHANE	9.67	97	386510	5.15	PPBV	99
33) CARBON TETRACHLORIDE	10.25	117	480721	5.25	PPBV	99
34) 1,2-DICHLOROETHANE	9.44	62	213484	5.84	PPBV	98
36) BENZENE	10.12	78	374019	5.98	PPBV	99
37) CYCLOHEXANE	10.36	84	172562	5.91	PPBV	98
38) TRICHLOROETHYLENE	11.11	95	197728	5.76	PPBV	98
39) 1,2-DICHLOROPROPANE	10.89	63	120865	5.61	PPBV	100
40) BROMODICHLOROMETHANE	11.08	83	334936	5.29	PPBV	98
41) 2,2,4-TRIMETHYLPENTANE	11.12	57	545596	4.91	PPBV	99
42) 1,4-DIOXANE	11.18	88	56162	4.87	PPBV	94
43) HEPTANE	11.35	43	181333	5.22	PPBV	99

Quantitation Report (QT Reviewed)

Data Path : C:\MSDChem\1\data\
Data File : J10866.D
Acq On : 5 Jul 2007 4:08 pm
Operator : danat
Sample : ic562-5 (M210)
Misc : MS13866, MSJ562,,,,,1
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Jul 05 16:35:37 2007
Quant Method : C:\MSDCHEM\1\METHODS\J070507T.M
Quant Title : TO15 by GCMS w/DB-1 60 m X .25 mm ID 1.0 um
QLast Update : Thu Jul 05 15:59:14 2007
Response via : Initial Calibration

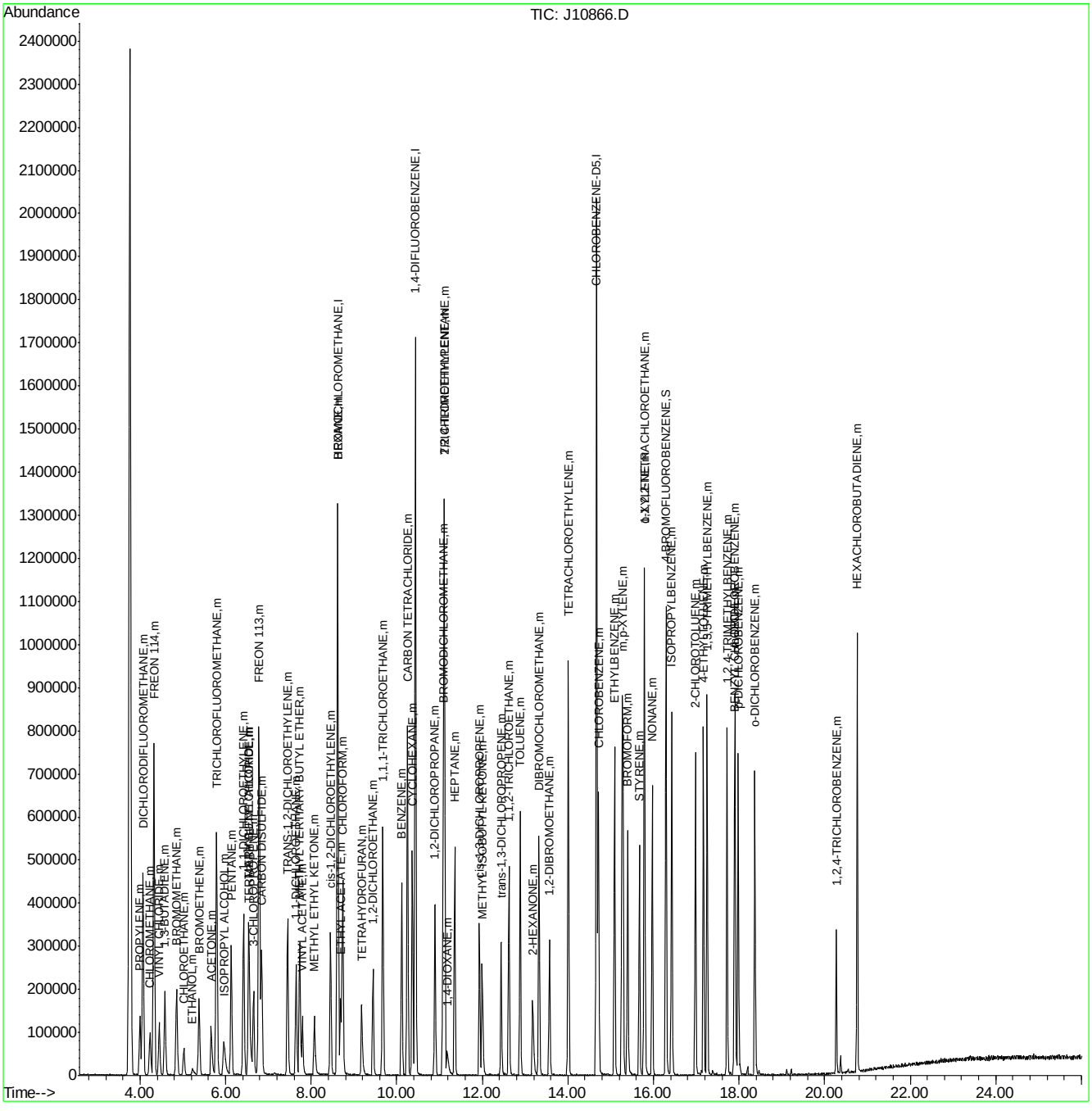
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) METHYL ISOBUTYL KETONE	12.00	43	194430	4.81	PPBV	99
45) cis-1,3-DICHLOROPROPENE	11.93	75	172847	5.72	PPBV	98
46) TOLUENE	12.88	92	246964	5.81	PPBV	100
47) trans-1,3-DICHLOROPROPENE	12.44	75	156172	5.49	PPBV	98
48) 1,1,2-TRICHLOROETHANE	12.62	83	124985	5.49	PPBV	99
50) 2-HEXANONE	13.18	43	161027	4.96	PPBV	97
51) TETRACHLOROETHYLENE	14.01	164	210815	5.78	PPBV	100
52) DIBROMOCHLOROMETHANE	13.32	129	313410	5.54	PPBV	100
53) 1,2-DIBROMOETHANE	13.57	107	221216	5.68	PPBV	100
54) CHLOROBENZENE	14.71	112	353690	5.54	PPBV	99
55) ETHYLBENZENE	15.09	91	512167	5.62	PPBV	100
56) m,p-XYLENE	15.28	106	423682	11.30	PPBV	92
57) o-XYLENE	15.78	106	208586	5.64	PPBV	100
58) STYRENE	15.67	104	247110	5.20	PPBV	99
59) NONANE	15.97	43	214630	5.18	PPBV	99
60) BROMOFORM	15.40	173	289411	5.29	PPBV	99
62) 1,1,2,2-TETRACHLOROETHANE	15.79	83	275352	4.75	PPBV	98
63) ISOPROPYLBENZENE	16.43	105	566878	5.37	PPBV	100
64) 2-CHLOROTOLUENE	16.98	91	381215	5.35	PPBV	99
65) 4-ETHYLTOLUENE	17.16	105	467174	5.30	PPBV	99
66) 1,3,5-TRIMETHYLBENZENE	17.25	105	451807	5.36	PPBV	99
67) 1,2,4-TRIMETHYLBENZENE	17.72	105	392208	5.38	PPBV	100
68) m-DICHLOROBENZENE	17.90	146	312169	5.82	PPBV	98
69) BENZYL CHLORIDE	17.89	91	230130	5.40	PPBV	99
70) p-DICHLOROBENZENE	17.98	146	303681	5.98	PPBV	99
71) o-DICHLOROBENZENE	18.37	146	267229	5.03	PPBV	99
72) HEXACHLOROBUTADIENE	20.76	225	167222	4.21	PPBV	99
73) 1,2,4-TRICHLOROBENZENE	20.27	180	89901	4.56	PPBV	98

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

Quantitation Report (QT Reviewed)

Data Path : C:\MSDChem\1\data\
Data File : J10866.D
Acq On : 5 Jul 2007 4:08 pm
Operator : danat
Sample : ic562-5 (M210)
Misc : MS13866, MSJ562,,,,,1
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Jul 05 16:35:37 2007
Quant Method : C:\MSDCHEM\1\METHODS\J070507T.M
Quant Title : TO15 by GCMS w/DB-1 60 m X .25 mm ID 1.0 um
QLast Update : Thu Jul 05 15:59:14 2007
Response via : Initial Calibration



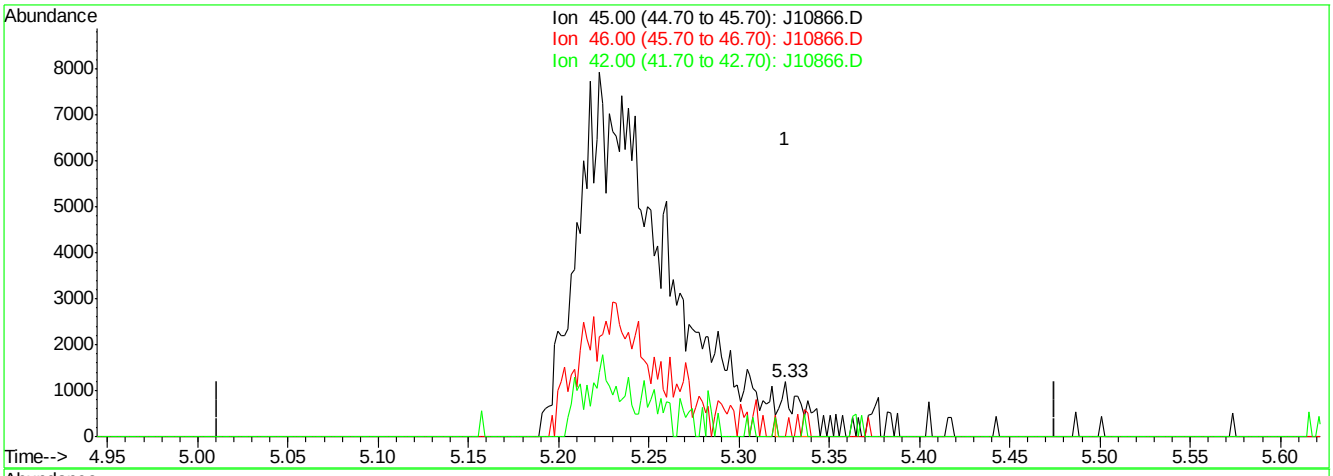
ACCUTEST Laboratories M66801

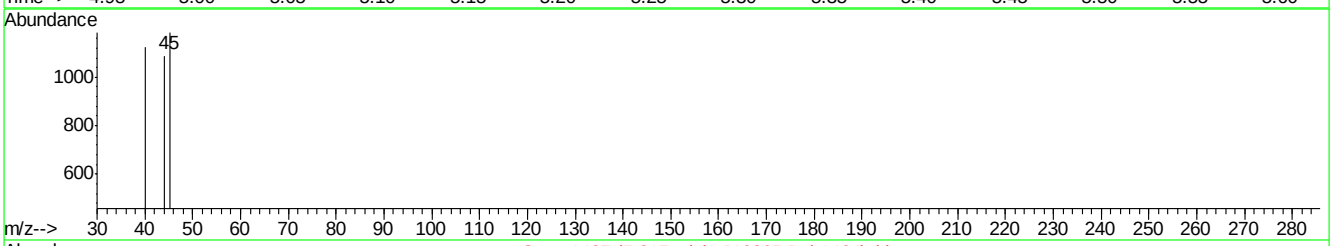
Quantitation Report (Qedit)

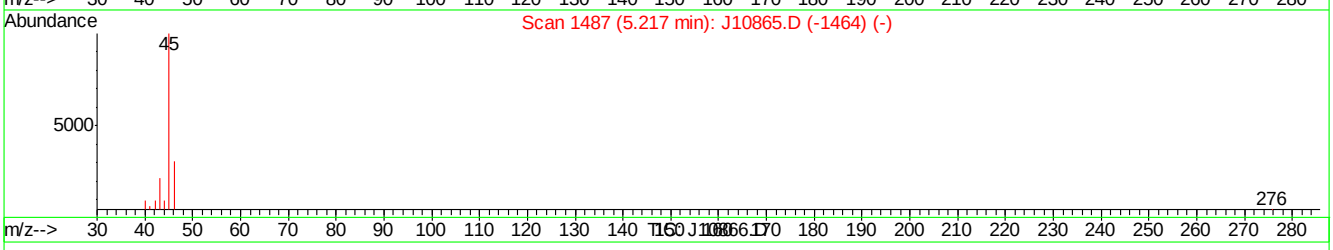
Data File : C:\MSDChem\1\data\J10866.D Vial: 1
Acq On : 5 Jul 2007 4:08 pm Operator: danat
Sample : ic562-5 (M210) Inst : MSJ
Misc : MS13866, MSJ562,,,,,1 Multiplr: 1.00
MS Integration Params: LSCINT.P

Quant Time: Jul 05 16:34:18 2007 Results File: J070507T.RES

Method : C:\MSDCHEM\1\METHODS\J070507T.M (RTE Integrator)
Title : TO15 by GCMS w/DB-1 60 m X .25 mm ID 1.0 um
Last Update : Thu Jul 05 15:59:14 2007
Response via : Multiple Level Calibration







(16) ETHANOL (m)

5.33min 1.20PPBV

response 1013

Ion	Exp%	Act%
45.00	100	100
46.00	34.00	17.97
42.00	9.40	4.44
0.00	0.00	0.00

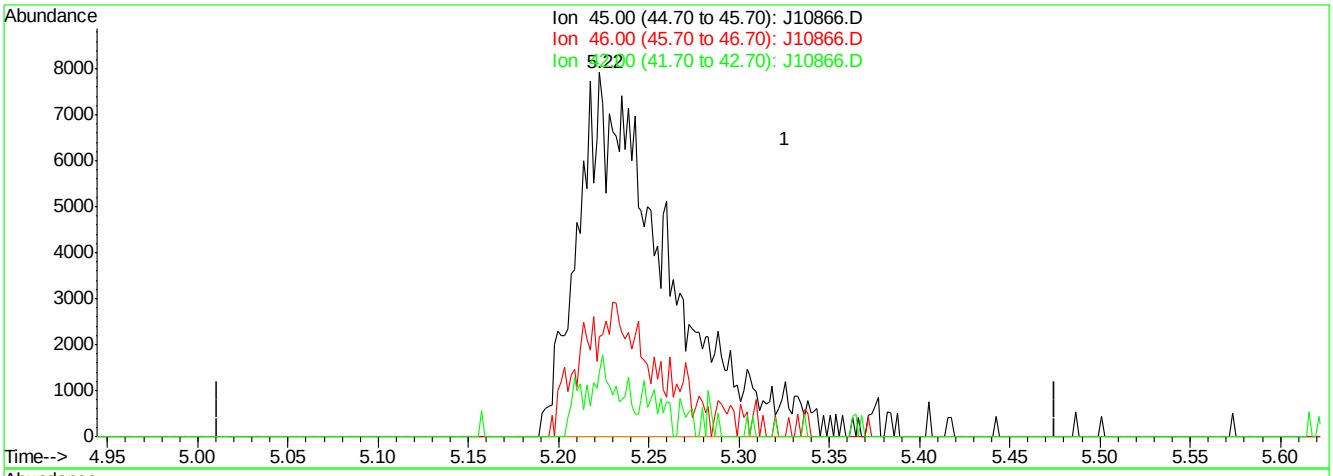
J10866.D J070507T.M Thu Jul 05 16:34:48 2007

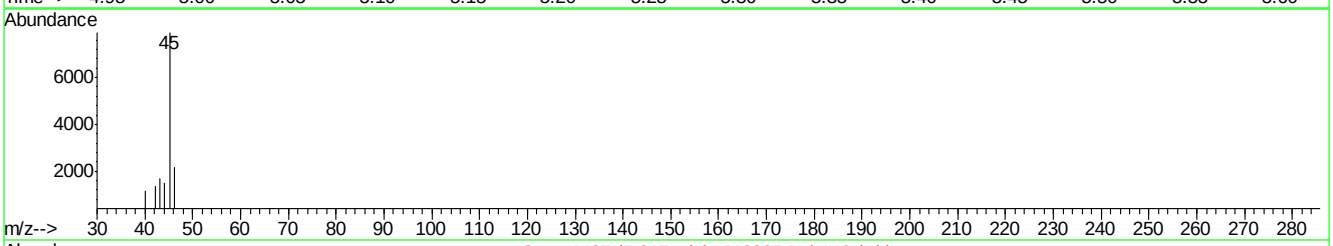
Quantitation Report (Qedit)

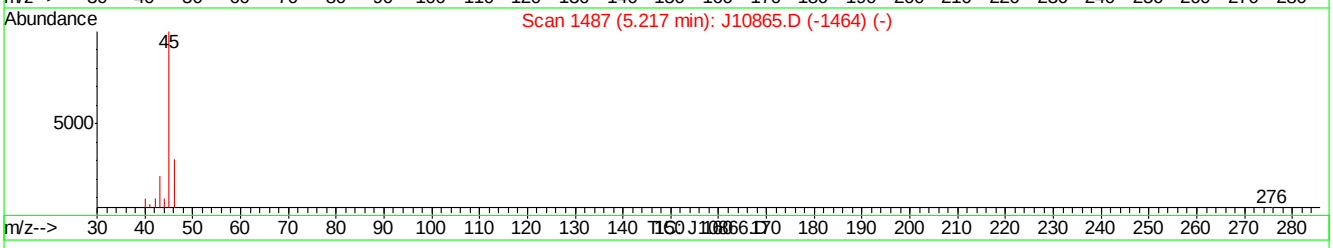
Data File : C:\MSDChem\1\data\J10866.D Vial: 1
Acq On : 5 Jul 2007 4:08 pm Operator: danat
Sample : ic562-5 (M210) Inst : MSJ
Misc : MS13866, MSJ562,,,,,1 Multiplr: 1.00
MS Integration Params: LSCINT.P

Quant Time: Jul 05 16:34:18 2007 Results File: J070507T.RES

Method : C:\MSDCHEM\1\METHODS\J070507T.M (RTE Integrator)
Title : TO15 by GCMS w/DB-1 60 m X .25 mm ID 1.0 um
Last Update : Thu Jul 05 15:59:14 2007
Response via : Multiple Level Calibration







(16) ETHANOL (m)

5.22min 5.44PPBV m

response 27044

Ion	Exp%	Act%
45.00	100	100
46.00	34.00	0.67#
42.00	9.40	0.17
0.00	0.00	0.00

J10866.D J070507T.M Thu Jul 05 16:34:55 2007

J10867.D

Manual Integrations APPROVED (compounds with "m" flag)

Doug Yargeau 07/11/07 09:41

Quantitation Report (QT Reviewed)

Data Path : C:\MSDChem\1\data\
Data File : J10867.D
Acq On : 5 Jul 2007 4:59 pm
Operator : danat
Sample : ic562-2 (M210)
Misc : MS13866, MSJ562,,,,,1
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Jul 05 17:26:51 2007
Quant Method : C:\MSDCHEM\1\METHODS\J070507T.M
Quant Title : TO15 by GCMS w/DB-1 60 m X .25 mm ID 1.0 um
QLast Update : Thu Jul 05 16:35:54 2007
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) BROMOCHLOROMETHANE	8.62	128	330127	10.00	PPBV	0.00
35) 1,4-DIFLUOROBENZENE	10.43	114	1414347	10.00	PPBV	0.00
49) CHLOROBENZENE-D5	14.67	117	1160504	10.00	PPBV	0.00
System Monitoring Compounds						
61) 4-BROMOFLUOROBENZENE	16.29	95	334470	4.62	PPBV	-0.01
Spiked Amount 5.000	Range 51 - 142		Recovery = 92.40%			
Target Compounds						Qvalue
2) DICHLORODIFLUOROMETHANE	4.06	85	229466	2.15	PPBV	99
3) PROPYLENE	4.00	41	35098	2.15	PPBV	93
4) FREON 114	4.32	85	181482	1.89	PPBV	99
5) CHLOROMETHANE	4.24	50	48637	1.96	PPBV	89
6) VINYL CHLORIDE	4.45	62	51618	1.85	PPBV	97
7) 1,3-BUTADIENE	4.58	39	37084	1.87	PPBV	98
8) BROMOMETHANE	4.86	94	59056	1.85	PPBV	99
9) CHLOROETHANE	5.03	64	22813	1.76	PPBV	98
10) TRICHLOROFLUOROMETHANE	5.79	101	201938	1.81	PPBV	100
11) ISOPROPYL ALCOHOL	5.98	45	48377	1.44	PPBV	81
12) ACETONE	5.69	43	57242	1.41	PPBV	99
13) PENTANE	6.14	42	45140	1.72	PPBV	99
14) 1,1-DICHLOROETHYLENE	6.42	96	52848	1.84	PPBV	99
15) CARBON DISULFIDE	6.85	76	173627	1.83	PPBV	98
16) ETHANOL	5.25	45	5804m	1.81	PPBV	
17) BROMOETHENE	5.39	106	50669	1.82	PPBV	98
18) METHYLENE CHLORIDE	6.55	84	54170	1.32	PPBV	96
19) 3-CHLOROPROPENE	6.66	39	37962	1.54	PPBV	93
20) FREON 113	6.79	151	119737	1.69	PPBV	99
21) TRANS-1,2-DICHLOROETHYLENE	7.45	96	49311	1.72	PPBV	99
22) TERTIARY BUTYL ALCOHOL	6.59	59	46528	1.23	PPBV	82
23) METHYL TERTIARY BUTYL ETHE	7.74	73	96121	1.73	PPBV	98
24) TETRAHYDROFURAN	9.21	42	24851	1.36	PPBV	91
25) HEXANE	8.63	57	58771	1.58	PPBV	93
26) VINYL ACETATE	7.80	43	53072	1.35	PPBV	92
27) 1,1-DICHLOROETHANE	7.65	63	84237	1.62	PPBV	100
28) METHYL ETHYL KETONE	8.09	43	56905	1.43	PPBV	90
29) cis-1,2-DICHLOROETHYLENE	8.45	96	46740	1.67	PPBV	99
30) ETHYL ACETATE	8.71	43	64712	1.48	PPBV #	92
31) CHLOROFORM	8.74	83	122413	1.66	PPBV	99
32) 1,1,1-TRICHLOROETHANE	9.67	97	130586	1.62	PPBV	100
33) CARBON TETRACHLORIDE	10.25	117	165237	1.68	PPBV	99
34) 1,2-DICHLOROETHANE	9.45	62	68378	1.71	PPBV	100
36) BENZENE	10.12	78	111788	1.65	PPBV	100
37) CYCLOHEXANE	10.37	84	51554	1.63	PPBV	98
38) TRICHLOROETHYLENE	11.11	95	58790	1.59	PPBV	98
39) 1,2-DICHLOROPROPANE	10.90	63	37078	1.61	PPBV	96
40) BROMODICHLOROMETHANE	11.08	83	108047	1.61	PPBV	97
41) 2,2,4-TRIMETHYLPENTANE	11.12	57	163007	2.12	PPBV	98
42) 1,4-DIOXANE	11.22	88	10728	1.90	PPBV	85
43) HEPTANE	11.36	43	52042	1.41	PPBV	98

Quantitation Report (QT Reviewed)

Data Path : C:\MSDChem\1\data\
Data File : J10867.D
Acq On : 5 Jul 2007 4:59 pm
Operator : danat
Sample : ic562-2 (M210)
Misc : MS13866, MSJ562,,,,,1
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Jul 05 17:26:51 2007
Quant Method : C:\MSDCHEM\1\METHODS\J070507T.M
Quant Title : TO15 by GCMS w/DB-1 60 m X .25 mm ID 1.0 um
QLast Update : Thu Jul 05 16:35:54 2007
Response via : Initial Calibration

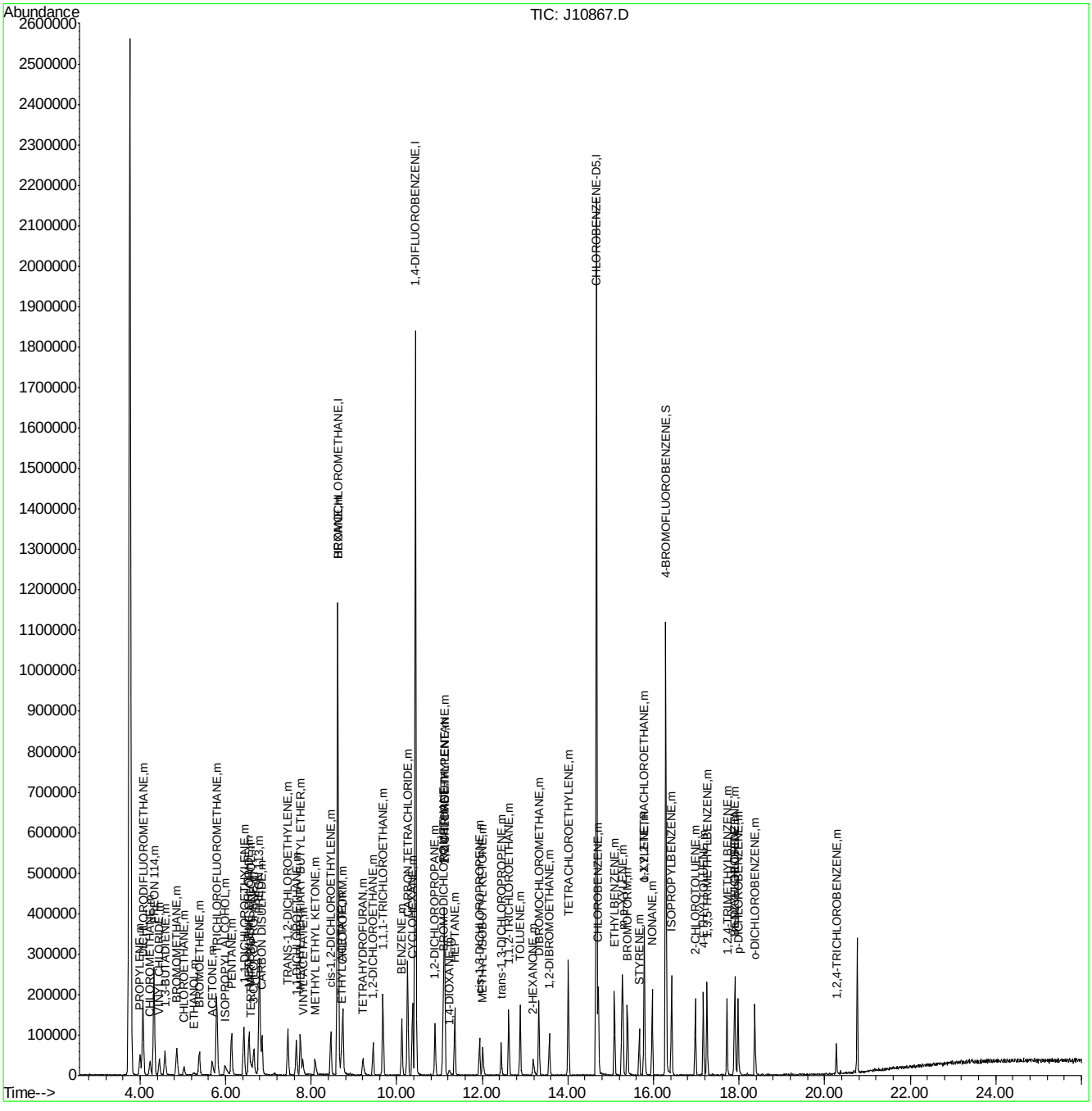
Internal Standards	R.T.	QIon	Response	Conc Units	Dev(Min)
44) METHYL ISOBUTYL KETONE	12.01	43	49831	1.18 PPBV	94
45) cis-1,3-DICHLOROPROPENE	11.93	75	42037	1.57 PPBV	96
46) TOLUENE	12.88	92	66487	1.65 PPBV	99
47) trans-1,3-DICHLOROPROPENE	12.44	75	37565	1.53 PPBV	98
48) 1,1,2-TRICHLOROETHANE	12.61	83	38780	1.60 PPBV	98
50) 2-HEXANONE	13.19	43	36294	1.12 PPBV #	36
51) TETRACHLOROETHYLENE	14.01	164	63817	1.71 PPBV	98
52) DIBROMOCHLOROMETHANE	13.32	129	97799	1.70 PPBV	99
53) 1,2-DIBROMOETHANE	13.57	107	61325	1.54 PPBV	99
54) CHLOROBENZENE	14.71	112	107091	1.65 PPBV	98
55) ETHYLBENZENE	15.09	91	127619	1.58 PPBV	99
56) m,p-XYLENE	15.28	106	109943	3.16 PPBV	94
57) o-XYLENE	15.78	106	53449	1.57 PPBV	97
58) STYRENE	15.67	104	48627	1.44 PPBV	99
59) NONANE	15.97	43	55542	1.33 PPBV	98
60) BROMOFORM	15.39	173	82740	1.50 PPBV	98
62) 1,1,2,2-TETRACHLOROETHANE	15.78	83	84884	1.47 PPBV	99
63) ISOPROPYLBENZENE	16.42	105	143311	1.48 PPBV	99
64) 2-CHLOROTOLUENE	16.98	91	90956	1.49 PPBV	99
65) 4-ETHYLTOLUENE	17.16	105	107216	1.52 PPBV	98
66) 1,3,5-TRIMETHYLBENZENE	17.25	105	113765	1.46 PPBV	99
67) 1,2,4-TRIMETHYLBENZENE	17.72	105	87297	1.40 PPBV	98
68) m-DICHLOROBENZENE	17.90	146	86523	1.48 PPBV	99
69) BENZYL CHLORIDE	17.89	91	48772	1.25 PPBV	99
70) p-DICHLOROBENZENE	17.98	146	81526	1.52 PPBV	98
71) o-DICHLOROBENZENE	18.37	146	69326	1.30 PPBV	99
72) HEXACHLOROBUTADIENE	20.76	225	53969	Below Cal	99
73) 1,2,4-TRICHLOROBENZENE	20.28	180	21611	0.35 PPBV	96

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

Quantitation Report (QT Reviewed)

Data Path : C:\MSDChem\1\data\
Data File : J10867.D
Acq On : 5 Jul 2007 4:59 pm
Operator : danat
Sample : ic562-2 (M210)
Misc : MS13866, MSJ562,,,,,1
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Jul 05 17:26:51 2007
Quant Method : C:\MSDCHEM\1\METHODS\J070507T.M
Quant Title : TO15 by GCMS w/DB-1 60 m X .25 mm ID 1.0 um
QLast Update : Thu Jul 05 16:35:54 2007
Response via : Initial Calibration



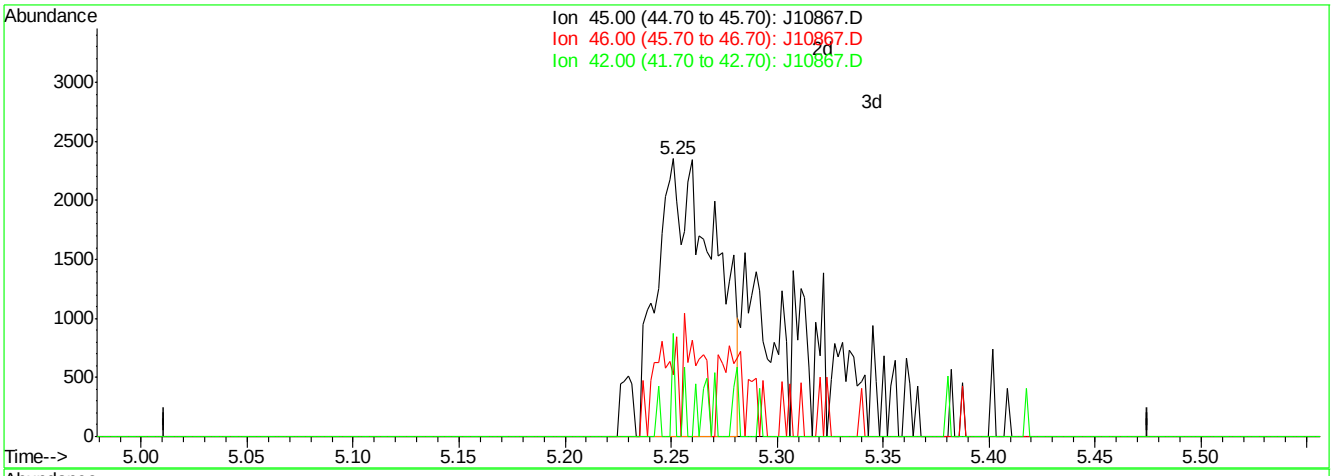
ACCUTEST Laboratories M66801

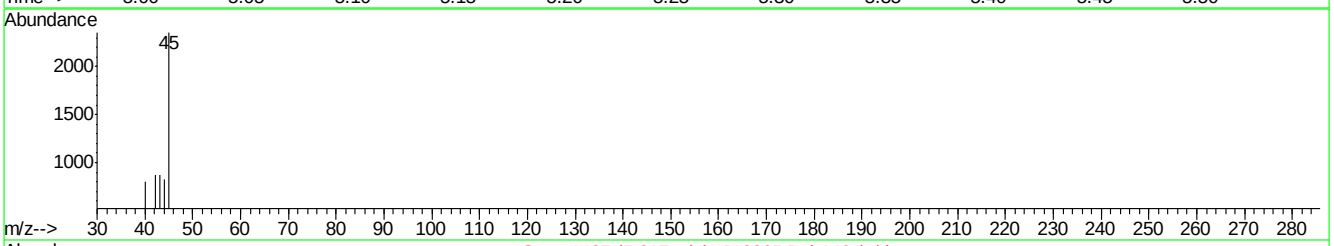
Quantitation Report (Qedit)

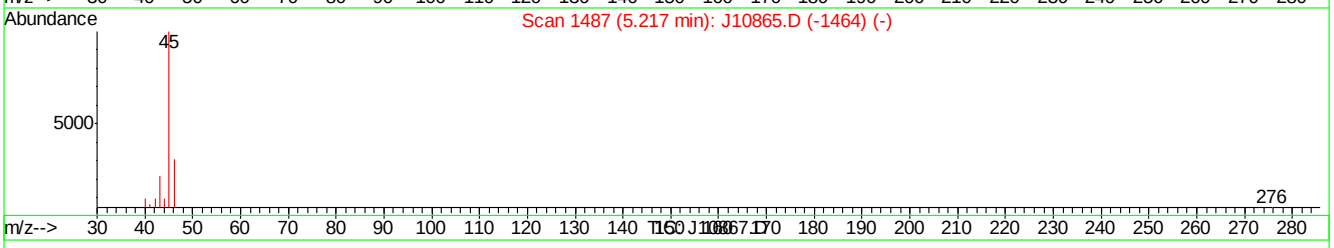
Data File : C:\MSDChem\1\data\J10867.D Vial: 2
Acq On : 5 Jul 2007 4:59 pm Operator: danat
Sample : ic562-2 (M210) Inst : MSJ
Misc : MS13866, MSJ562,,,,,1 Multiplr: 1.00
MS Integration Params: LSCINT.P

Quant Time: Jul 05 17:26:21 2007 Results File: J070507T.RES

Method : C:\MSDCHEM\1\METHODS\J070507T.M (RTE Integrator)
Title : TO15 by GCMS w/DB-1 60 m X .25 mm ID 1.0 um
Last Update : Thu Jul 05 16:35:54 2007
Response via : Multiple Level Calibration







(16) ETHANOL (m)

5.25min 1.63PPBV

response 4623

Ion	Exp%	Act%
45.00	100	100
46.00	34.00	24.53
42.00	9.40	3.37
0.00	0.00	0.00

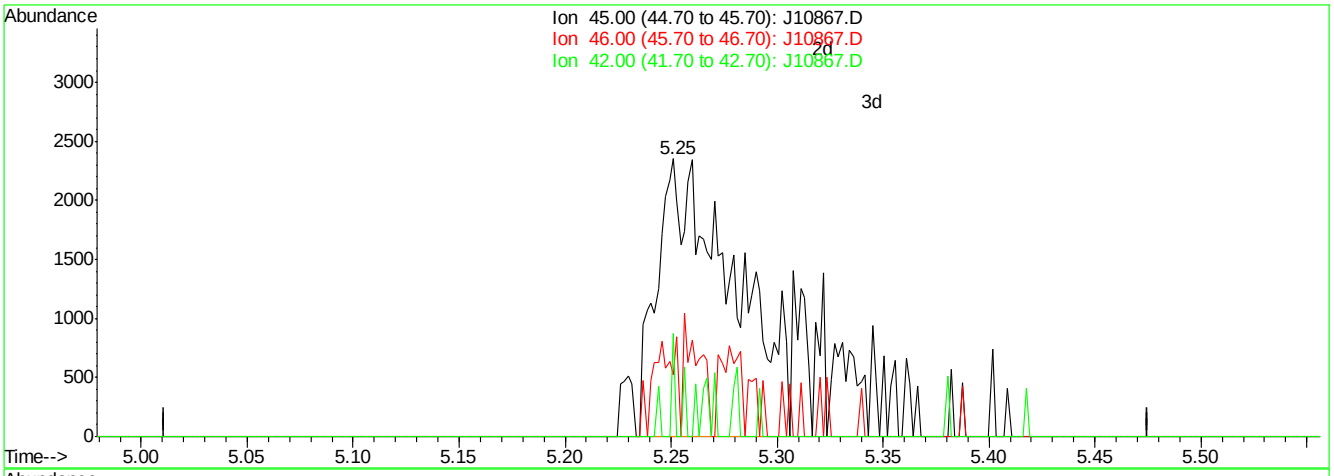
J10867.D J070507T.M Thu Jul 05 17:26:48 2007

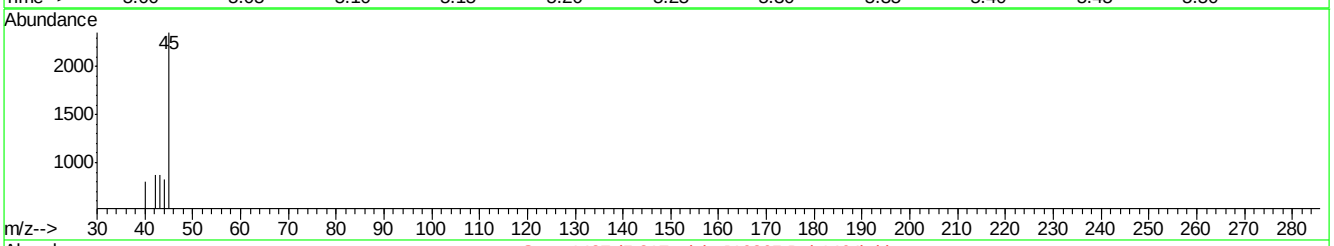
Quantitation Report (Qedit)

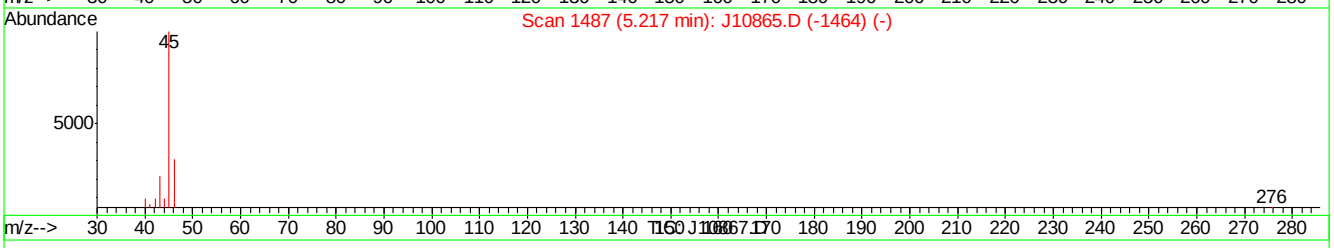
Data File : C:\MSDChem\1\data\J10867.D Vial: 2
Acq On : 5 Jul 2007 4:59 pm Operator: danat
Sample : ic562-2 (M210) Inst : MSJ
Misc : MS13866, MSJ562,,,,,1 Multiplr: 1.00
MS Integration Params: LSCINT.P

Quant Time: Jul 05 17:26:21 2007 Results File: J070507T.RES

Method : C:\MSDCHEM\1\METHODS\J070507T.M (RTE Integrator)
Title : TO15 by GCMS w/DB-1 60 m X .25 mm ID 1.0 um
Last Update : Thu Jul 05 16:35:54 2007
Response via : Multiple Level Calibration







(16) ETHANOL (m)

5.25min 1.81PPBV m

response 5804

Ion	Exp%	Act%
45.00	100	100
46.00	34.00	19.54
42.00	9.40	2.69
0.00	0.00	0.00

J10867.D J070507T.M Thu Jul 05 17:26:54 2007

Manual Integrations APPROVED (compounds with "m" flag)
Doug Yargeau
07/11/07 09:45

Quantitation Report (QT Reviewed)

Data Path : C:\MSDCHEM\1\DATA\
Data File : J10868a.D
Acq On : 5 Jul 2007 5:56 pm
Operator : danat
Sample : cc562-10 (M080)
Misc : MS13866, MSJ562,,,,,1
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Jul 05 18:24:49 2007
Quant Method : C:\MSDCHEM\1\METHODS\J070507T.M
Quant Title : TO15 by GCMS w/DB-1 60 m X .25 mm ID 1.0 um
QLast Update : Thu Jul 05 17:30:53 2007
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) BROMOCHLOROMETHANE	8.60	128	347038	10.00	PPBV	-0.01
35) 1,4-DIFLUOROBENZENE	10.43	114	1501760	10.00	PPBV	0.00
49) CHLOROBENZENE-D5	14.67	117	1335133	10.00	PPBV	0.00
System Monitoring Compounds						
61) 4-BROMOFLUOROBENZENE	16.30	95	446244	5.44	PPBV	0.00
Spiked Amount 5.000	Range 51 - 142		Recovery = 108.80%			
Target Compounds						Qvalue
2) DICHLORODIFLUOROMETHANE	4.06	85	1061110	9.42	PPBV	100
3) PROPYLENE	3.99	41	183358	10.60	PPBV	96
4) FREON 114	4.32	85	975926	9.85	PPBV	99
5) CHLOROMETHANE	4.23	50	255655	9.93	PPBV	94
6) VINYL CHLORIDE	4.44	62	301471	10.50	PPBV	99
7) 1,3-BUTADIENE	4.57	39	232443	11.26	PPBV	98
8) BROMOMETHANE	4.84	94	332070	10.01	PPBV	99
9) CHLOROETHANE	5.01	64	140388	10.56	PPBV	99
10) TRICHLOROFLUOROMETHANE	5.77	101	1134544	9.90	PPBV	100
11) ISOPROPYL ALCOHOL	5.99	45	376740m	10.92	PPBV	
12) ACETONE	5.64	43	394061	9.71	PPBV	99
13) PENTANE	6.12	42	281678	10.41	PPBV	99
14) 1,1-DICHLOROETHYLENE	6.40	96	307939	10.16	PPBV	100
15) CARBON DISULFIDE	6.82	76	926519	9.44	PPBV	99
16) ETHANOL	5.26	45	67215	10.80	PPBV #	65
17) BROMOETHENE	5.36	106	320378	10.94	PPBV	99
18) METHYLENE CHLORIDE	6.52	84	301838	9.92	PPBV	99
19) 3-CHLOROPROPENE	6.63	39	273020	10.74	PPBV	98
20) FREON 113	6.76	151	667835	9.23	PPBV	99
21) TRANS-1,2-DICHLOROETHYLENE	7.43	96	313361	10.47	PPBV	99
22) TERTIARY BUTYL ALCOHOL	6.57	59	462173	11.77	PPBV	93
23) METHYL TERTIARY BUTYL ETHE	7.71	73	685448	11.76	PPBV	99
24) TETRAHYDROFURAN	9.16	42	218377	11.59	PPBV	98
25) HEXANE	8.61	57	365581	9.63	PPBV	97
26) VINYL ACETATE	7.78	43	440550	11.01	PPBV	97
27) 1,1-DICHLOROETHANE	7.63	63	545669	10.33	PPBV	100
28) METHYL ETHYL KETONE	8.07	43	425680	10.63	PPBV	94
29) cis-1,2-DICHLOROETHYLENE	8.44	96	301089	10.37	PPBV	99
30) ETHYL ACETATE	8.67	43	462107	10.49	PPBV	100
31) CHLOROFORM	8.72	83	772083	10.29	PPBV	99
32) 1,1,1-TRICHLOROETHANE	9.66	97	843732	10.35	PPBV	99
33) CARBON TETRACHLORIDE	10.24	117	1036248	10.31	PPBV	99
34) 1,2-DICHLOROETHANE	9.43	62	456550	11.14	PPBV	99
36) BENZENE	10.11	78	802906	11.34	PPBV	100
37) CYCLOHEXANE	10.35	84	361468	10.80	PPBV	98
38) TRICHLOROETHYLENE	11.10	95	428230	11.34	PPBV	99
39) 1,2-DICHLOROPROPANE	10.89	63	271622	11.36	PPBV	99
40) BROMODICHLOROMETHANE	11.08	83	736999	10.65	PPBV	98
41) 2,2,4-TRIMETHYLPENTANE	11.10	57	1295156	9.40	PPBV	99
42) 1,4-DIOXANE	11.17	88	136276	9.35	PPBV	92
43) HEPTANE	11.34	43	409530	10.88	PPBV	99

Quantitation Report (QT Reviewed)

Data Path : C:\MSDCHEM\1\DATA\
Data File : J10868a.D
Acq On : 5 Jul 2007 5:56 pm
Operator : danat
Sample : cc562-10 (M080)
Misc : MS13866, MSJ562,,,,,1
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Jul 05 18:24:49 2007
Quant Method : C:\MSDCHEM\1\METHODS\J070507T.M
Quant Title : TO15 by GCMS w/DB-1 60 m X .25 mm ID 1.0 um
QLast Update : Thu Jul 05 17:30:53 2007
Response via : Initial Calibration

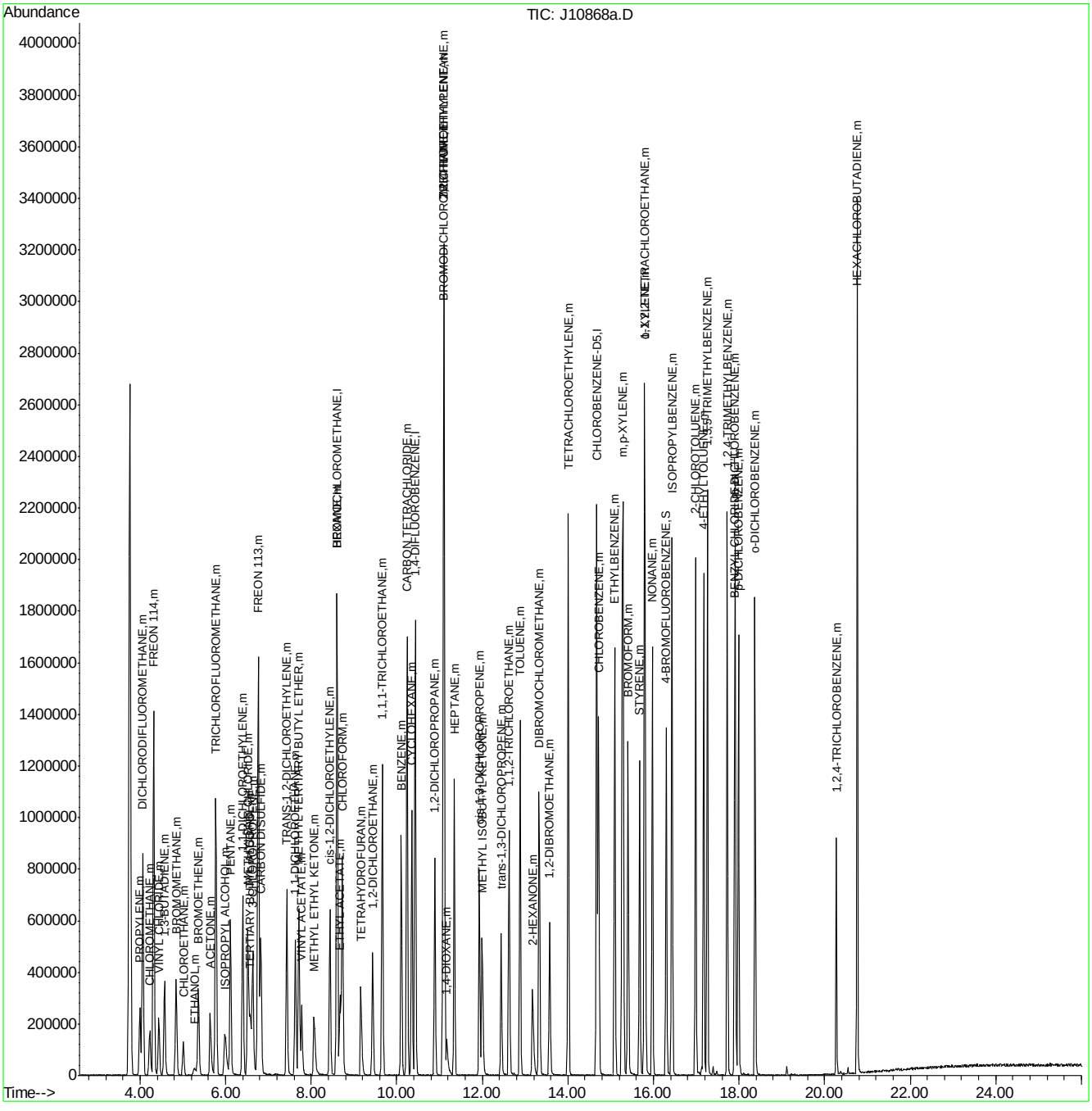
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) METHYL ISOBUTYL KETONE	11.99	43	470043	10.33	PPBV	98
45) cis-1,3-DICHLOROPROPENE	11.93	75	407474	10.95	PPBV	98
46) TOLUENE	12.88	92	578281	11.03	PPBV	99
47) trans-1,3-DICHLOROPROPENE	12.44	75	315716	9.17	PPBV	99
48) 1,1,2-TRICHLOROETHANE	12.62	83	292867	11.81	PPBV	99
50) 2-HEXANONE	13.17	43	357292	10.27	PPBV	98
51) TETRACHLOROETHYLENE	14.01	164	490819	11.51	PPBV	99
52) DIBROMOCHLOROMETHANE	13.33	129	721652	11.17	PPBV	100
53) 1,2-DIBROMOETHANE	13.57	107	497929	11.22	PPBV	100
54) CHLOROBENZENE	14.72	112	799062	10.99	PPBV	99
55) ETHYLBENZENE	15.09	91	1274341	11.17	PPBV	100
56) m,p-XYLENE	15.28	106	1066459	22.74	PPBV	91
57) o-XYLENE	15.79	106	537195	11.55	PPBV	100
58) STYRENE	15.68	104	641503	10.45	PPBV	99
59) NONANE	15.97	43	589203	11.86	PPBV	99
60) BROMOFORM	15.41	173	710773	11.64	PPBV	99
62) 1,1,2,2-TETRACHLOROETHANE	15.80	83	717790	11.56	PPBV	100
63) ISOPROPYLBENZENE	16.43	105	1535173	11.66	PPBV	99
64) 2-CHLOROTOLUENE	16.98	91	1065316	11.72	PPBV	99
65) 4-ETHYLTOLUENE	17.17	105	1222135	10.70	PPBV	99
66) 1,3,5-TRIMETHYLBENZENE	17.26	105	1242727	11.61	PPBV	100
67) 1,2,4-TRIMETHYLBENZENE	17.72	105	1125219	11.80	PPBV	99
68) m-DICHLOROBENZENE	17.91	146	760499	11.23	PPBV	99
69) BENZYL CHLORIDE	17.89	91	525729	9.80	PPBV	100
70) p-DICHLOROBENZENE	17.98	146	679517	10.63	PPBV	99
71) o-DICHLOROBENZENE	18.37	146	702934	12.32	PPBV	100
72) HEXACHLOROBUTADIENE	20.76	225	565416	15.84	PPBV	99
73) 1,2,4-TRICHLOROBENZENE	20.27	180	241387	11.45	PPBV	99

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

Quantitation Report (QT Reviewed)

Data Path : C:\MSDCHEM\1\DATA\
Data File : J10868a.D
Acq On : 5 Jul 2007 5:56 pm
Operator : danat
Sample : cc562-10 (M080)
Misc : MS13866, MSJ562,,,,,1
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Jul 05 18:24:49 2007
Quant Method : C:\MSDCHEM\1\METHODS\J070507T.M
Quant Title : TO15 by GCMS w/DB-1 60 m X .25 mm ID 1.0 um
QLast Update : Thu Jul 05 17:30:53 2007
Response via : Initial Calibration



Manual Integrations APPROVED (compounds with "m" flag)
Doug Yargeau
07/11/07 09:41

Quantitation Report (QT Reviewed)

Data Path : C:\MSDChem\1\data\
Data File : J10868.D
Acq On : 5 Jul 2007 5:56 pm
Operator : danat
Sample : icv562-10 (M080)
Misc : MS13866, MSJ562,,,,,1
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Jul 05 18:24:49 2007
Quant Method : C:\MSDCHEM\1\METHODS\J070507T.M
Quant Title : TO15 by GCMS w/DB-1 60 m X .25 mm ID 1.0 um
QLast Update : Thu Jul 05 17:30:53 2007
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) BROMOCHLOROMETHANE	8.60	128	347038	10.00	PPBV	-0.01
35) 1,4-DIFLUOROBENZENE	10.43	114	1501760	10.00	PPBV	0.00
49) CHLOROBENZENE-D5	14.67	117	1335133	10.00	PPBV	0.00
System Monitoring Compounds						
61) 4-BROMOFLUOROBENZENE	16.30	95	446244	5.44	PPBV	0.00
Spiked Amount 5.000	Range 51 - 142		Recovery = 108.80%			
Target Compounds						Qvalue
2) DICHLORODIFLUOROMETHANE	4.06	85	1061110	9.42	PPBV	100
3) PROPYLENE	3.99	41	183358	10.60	PPBV	96
4) FREON 114	4.32	85	975926	9.85	PPBV	99
5) CHLOROMETHANE	4.23	50	255655	9.93	PPBV	94
6) VINYL CHLORIDE	4.44	62	301471	10.50	PPBV	99
7) 1,3-BUTADIENE	4.57	39	232443	11.26	PPBV	98
8) BROMOMETHANE	4.84	94	332070	10.01	PPBV	99
9) CHLOROETHANE	5.01	64	140388	10.56	PPBV	99
10) TRICHLOROFLUOROMETHANE	5.77	101	1134544	9.90	PPBV	100
11) ISOPROPYL ALCOHOL	5.99	45	376740m	10.92	PPBV	
12) ACETONE	5.64	43	394061	9.71	PPBV	99
13) PENTANE	6.12	42	281678	10.41	PPBV	99
14) 1,1-DICHLOROETHYLENE	6.40	96	307939	10.16	PPBV	100
15) CARBON DISULFIDE	6.82	76	926519	9.44	PPBV	99
16) ETHANOL	5.26	45	67215	10.80	PPBV #	65
17) BROMOETHENE	5.36	106	320378	10.94	PPBV	99
18) METHYLENE CHLORIDE	6.52	84	301838	9.92	PPBV	99
19) 3-CHLOROPROPENE	6.63	39	273020	10.74	PPBV	98
20) FREON 113	6.76	151	667835	9.23	PPBV	99
21) TRANS-1,2-DICHLOROETHYLENE	7.43	96	313361	10.47	PPBV	99
22) TERTIARY BUTYL ALCOHOL	6.57	59	462173	11.77	PPBV	93
23) METHYL TERTIARY BUTYL ETHE	7.71	73	685448	11.76	PPBV	99
24) TETRAHYDROFURAN	9.16	42	218377	11.59	PPBV	98
25) HEXANE	8.61	57	365581	9.63	PPBV	97
26) VINYL ACETATE	7.78	43	440550	11.01	PPBV	97
27) 1,1-DICHLOROETHANE	7.63	63	545669	10.33	PPBV	100
28) METHYL ETHYL KETONE	8.07	43	425680	10.63	PPBV	94
29) cis-1,2-DICHLOROETHYLENE	8.44	96	301089	10.37	PPBV	99
30) ETHYL ACETATE	8.67	43	462107	10.49	PPBV	100
31) CHLOROFORM	8.72	83	772083	10.29	PPBV	99
32) 1,1,1-TRICHLOROETHANE	9.66	97	843732	10.35	PPBV	99
33) CARBON TETRACHLORIDE	10.24	117	1036248	10.31	PPBV	99
34) 1,2-DICHLOROETHANE	9.43	62	456550	11.14	PPBV	99
36) BENZENE	10.11	78	802906	11.34	PPBV	100
37) CYCLOHEXANE	10.35	84	361468	10.80	PPBV	98
38) TRICHLOROETHYLENE	11.10	95	428230	11.34	PPBV	99
39) 1,2-DICHLOROPROPANE	10.89	63	271622	11.36	PPBV	99
40) BROMODICHLOROMETHANE	11.08	83	736999	10.65	PPBV	98
41) 2,2,4-TRIMETHYLPENTANE	11.10	57	1295156	9.40	PPBV	99
42) 1,4-DIOXANE	11.17	88	136276	9.35	PPBV	92
43) HEPTANE	11.34	43	409530	10.88	PPBV	99

Quantitation Report (QT Reviewed)

Data Path : C:\MSDChem\1\data\
Data File : J10868.D
Acq On : 5 Jul 2007 5:56 pm
Operator : danat
Sample : icv562-10 (M080)
Misc : MS13866, MSJ562,,,,,1
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Jul 05 18:24:49 2007
Quant Method : C:\MSDCHEM\1\METHODS\J070507T.M
Quant Title : TO15 by GCMS w/DB-1 60 m X .25 mm ID 1.0 um
QLast Update : Thu Jul 05 17:30:53 2007
Response via : Initial Calibration

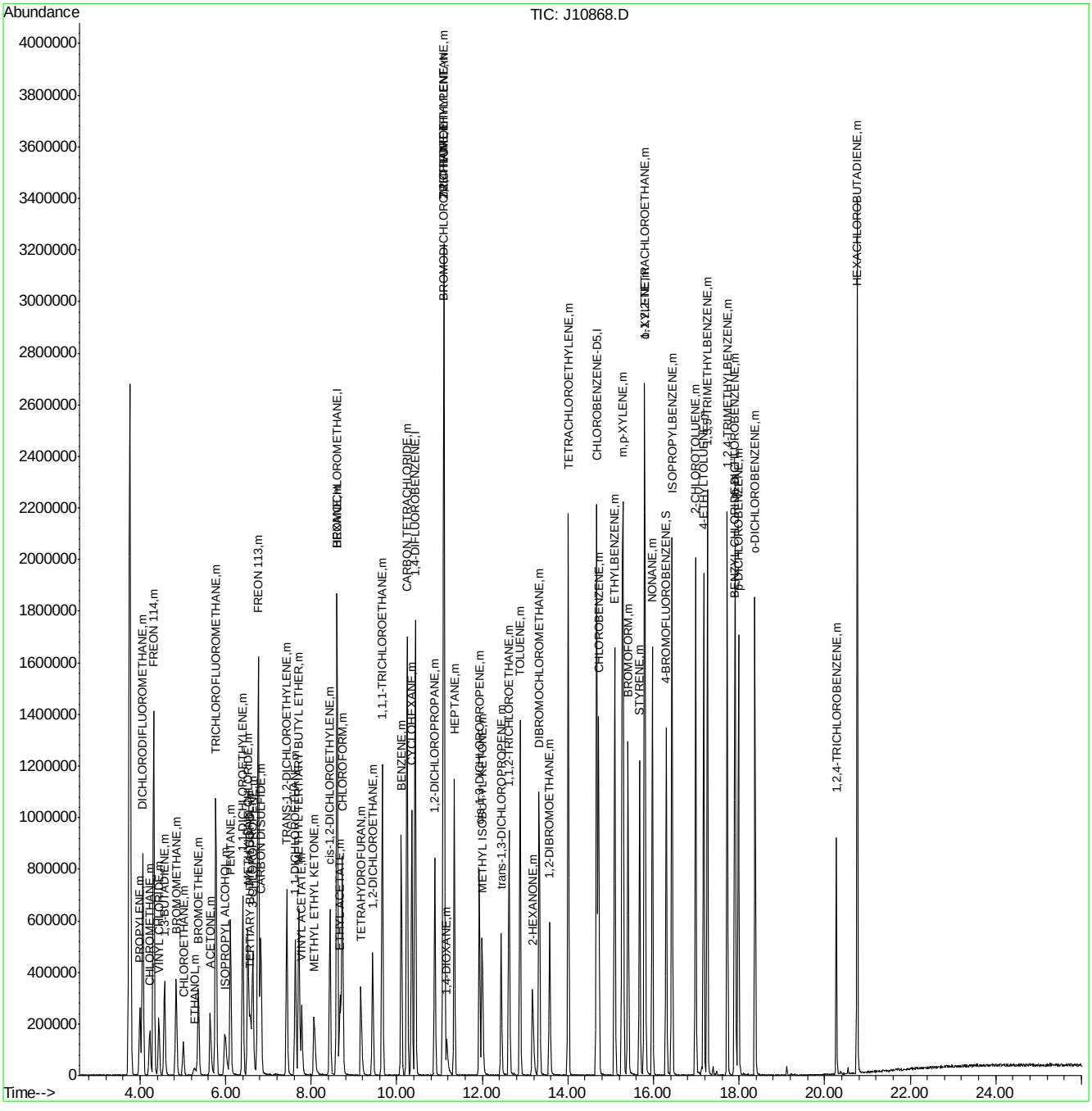
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) METHYL ISOBUTYL KETONE	11.99	43	470043	10.33	PPBV	98
45) cis-1,3-DICHLOROPROPENE	11.93	75	407474	10.95	PPBV	98
46) TOLUENE	12.88	92	578281	11.03	PPBV	99
47) trans-1,3-DICHLOROPROPENE	12.44	75	315716	9.17	PPBV	99
48) 1,1,2-TRICHLOROETHANE	12.62	83	292867	11.81	PPBV	99
50) 2-HEXANONE	13.17	43	357292	10.27	PPBV	98
51) TETRACHLOROETHYLENE	14.01	164	490819	11.51	PPBV	99
52) DIBROMOCHLOROMETHANE	13.33	129	721652	11.17	PPBV	100
53) 1,2-DIBROMOETHANE	13.57	107	497929	11.22	PPBV	100
54) CHLOROBENZENE	14.72	112	799062	10.99	PPBV	99
55) ETHYLBENZENE	15.09	91	1274341	11.17	PPBV	100
56) m,p-XYLENE	15.28	106	1066459	22.74	PPBV	91
57) o-XYLENE	15.79	106	537195	11.55	PPBV	100
58) STYRENE	15.68	104	641503	10.45	PPBV	99
59) NONANE	15.97	43	589203	11.86	PPBV	99
60) BROMOFORM	15.41	173	710773	11.64	PPBV	99
62) 1,1,2,2-TETRACHLOROETHANE	15.80	83	717790	11.56	PPBV	100
63) ISOPROPYLBENZENE	16.43	105	1535173	11.66	PPBV	99
64) 2-CHLOROTOLUENE	16.98	91	1065316	11.72	PPBV	99
65) 4-ETHYLTOLUENE	17.17	105	1222135	10.70	PPBV	99
66) 1,3,5-TRIMETHYLBENZENE	17.26	105	1242727	11.61	PPBV	100
67) 1,2,4-TRIMETHYLBENZENE	17.72	105	1125219	11.80	PPBV	99
68) m-DICHLOROBENZENE	17.91	146	760499	11.23	PPBV	99
69) BENZYL CHLORIDE	17.89	91	525729	9.80	PPBV	100
70) p-DICHLOROBENZENE	17.98	146	679517	10.63	PPBV	99
71) o-DICHLOROBENZENE	18.37	146	702934	12.32	PPBV	100
72) HEXACHLOROBUTADIENE	20.76	225	565416	15.84	PPBV	99
73) 1,2,4-TRICHLOROBENZENE	20.27	180	241387	11.45	PPBV	99

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

Quantitation Report (QT Reviewed)

Data Path : C:\MSDChem\1\data\
Data File : J10868.D
Acq On : 5 Jul 2007 5:56 pm
Operator : danat
Sample : icv562-10 (M080)
Misc : MS13866, MSJ562,,,,,1
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Jul 05 18:24:49 2007
Quant Method : C:\MSDCHEM\1\METHODS\J070507T.M
Quant Title : TO15 by GCMS w/DB-1 60 m X .25 mm ID 1.0 um
QLast Update : Thu Jul 05 17:30:53 2007
Response via : Initial Calibration

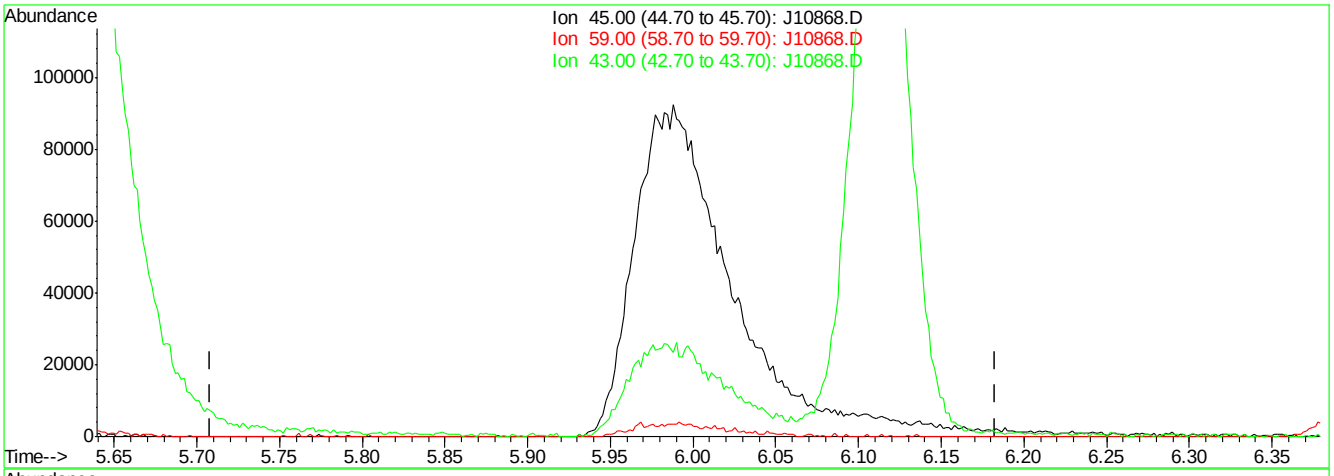


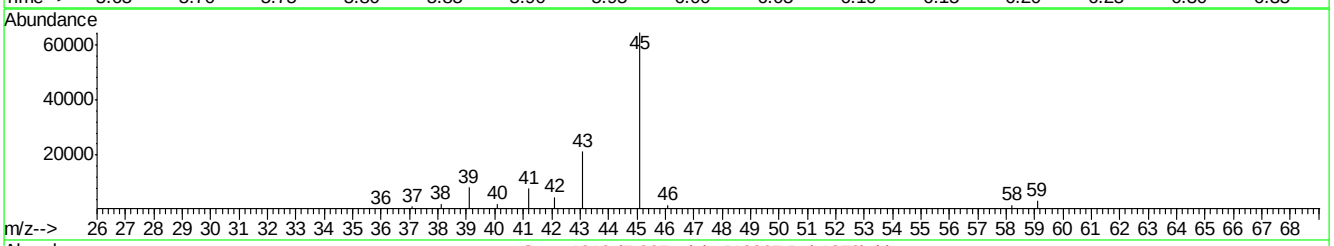
Quantitation Report (Qedit)

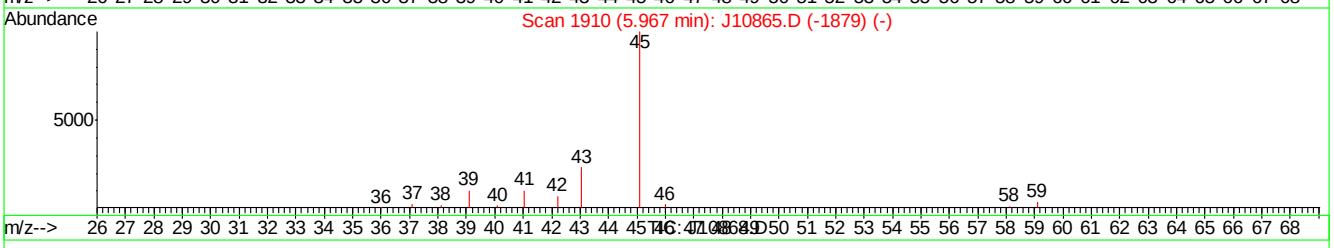
Data File : C:\MSDChem\1\data\J10868.D Vial: 3
Acq On : 5 Jul 2007 5:56 pm Operator: danat
Sample : icv562-10 (M080) Inst : MSJ
Misc : MS13866, MSJ562,,,,,1 Multiplr: 1.00
MS Integration Params: LSCINT.P

Quant Time: Jul 05 18:23:26 2007 Results File: J070507T.RES

Method : C:\MSDCHEM\1\METHODS\J070507T.M (RTE Integrator)
Title : TO15 by GCMS w/DB-1 60 m X .25 mm ID 1.0 um
Last Update : Thu Jul 05 17:30:53 2007
Response via : Multiple Level Calibration







(11) ISOPROPYL ALCOHOL (m)

5.97min 0.00PPBV

response 0

Ion	Exp%	Act%
45.00	100	0.00
59.00	3.60	0.00
43.00	24.20	0.00#
0.00	0.00	0.00

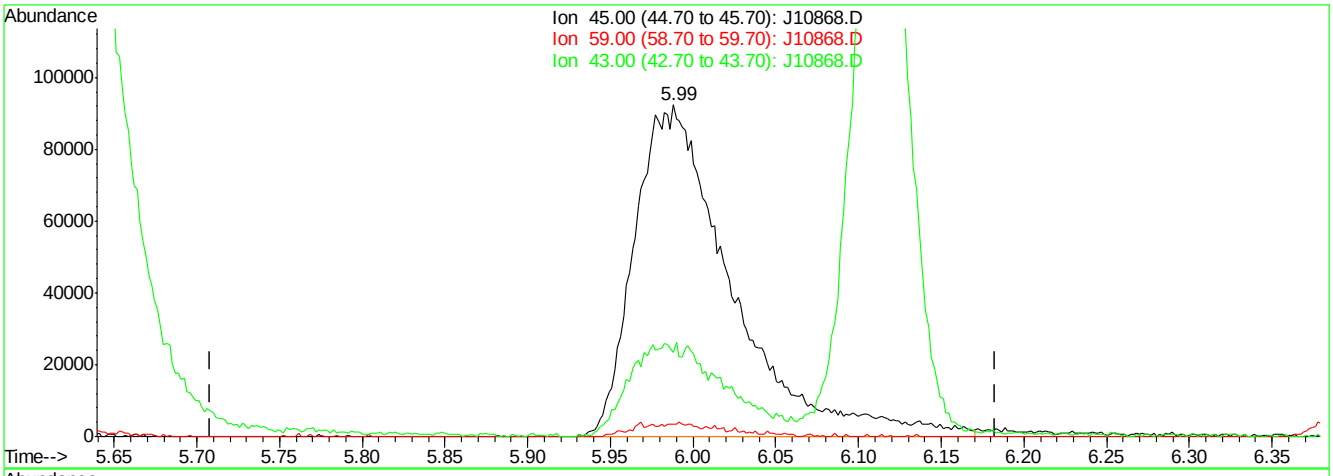
J10868.D J070507T.M Thu Jul 05 18:23:58 2007

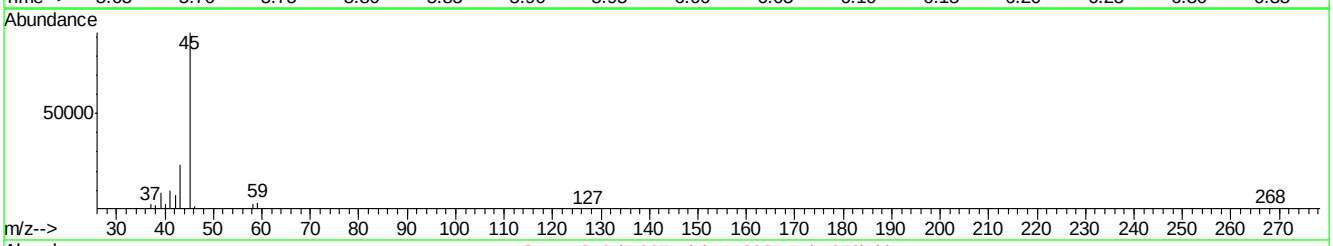
Quantitation Report (Qedit)

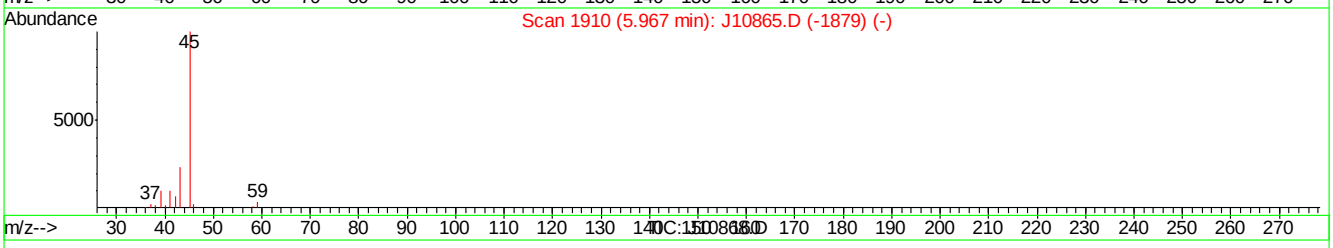
Data File : C:\MSDChem\1\data\J10868.D Vial: 3
Acq On : 5 Jul 2007 5:56 pm Operator: danat
Sample : icv562-10 (M080) Inst : MSJ
Misc : MS13866, MSJ562,,,,,1 Multiplr: 1.00
MS Integration Params: LSCINT.P

Quant Time: Jul 05 18:23:26 2007 Results File: J070507T.RES

Method : C:\MSDCHEM\1\METHODS\J070507T.M (RTE Integrator)
Title : TO15 by GCMS w/DB-1 60 m X .25 mm ID 1.0 um
Last Update : Thu Jul 05 17:30:53 2007
Response via : Multiple Level Calibration







(11) ISOPROPYL ALCOHOL (m)

5.99min 10.92PPBV m

response 376740

Ion	Exp%	Act%
45.00	100	100
59.00	3.60	3.62
43.00	24.20	25.44
0.00	0.00	0.00

J10868.D J070507T.M Thu Jul 05 18:24:05 2007

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\
Data File : Q3977.D
Acq On : 16 Jul 2007 4:53 pm
Operator : danat
Sample : ic214-40 (M211)
Misc : MS13893, MSQ214,,,,,1
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Jul 17 08:12:50 2007
Quant Method : C:\msdchem\1\METHODS\Q071607T.m
Quant Title : TO15 by GCMS w/DB-1 60 m X .25 mm ID 1.0 um
QLast Update : Mon Jul 16 15:07:12 2007
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) BROMOCHLOROMETHANE	8.633	128	209689	10.00	PPBV	0.00
35) 1,4-DIFLUOROBENZENE	10.465	114	900241	10.00	PPBV	0.00
49) CHLOROBENZENE-D5	14.707	117	823235	10.00	PPBV	0.00

System Monitoring Compounds

61) 4-BROMOFLUOROBENZENE	16.327	95	331912	5.22	PPBV	0.00

Spiked Amount 5.000 Range 57 - 139 Recovery = 104.40%

Target Compounds						Qvalue
2) DICHLORODIFLUOROMETHANE	4.035	85	2764917	25.14	PPBV	99
3) PROPYLENE	3.967	41	463358	18.48	PPBV	93
4) FREON 114	4.299	85	2605725	26.43	PPBV	99
5) CHLOROMETHANE	4.200	50	588876	23.88	PPBV	100
6) VINYL CHLORIDE	4.424	62	709338	24.05	PPBV	98
7) 1,3-BUTADIENE	4.559	39	593214	25.73	PPBV	97
8) BROMOMETHANE	4.835	94	814543	25.07	PPBV	98
9) CHLOROETHANE	5.009	64	321452	29.01	PPBV	95
10) TRICHLOROFLUOROMETHANE	5.788	101	2819081	28.06	PPBV	99
11) ISOPROPYL ALCOHOL	5.826	45	1072785	21.76	PPBV	95
12) ACETONE	5.593	43	1144521	20.32	PPBV	95
13) PENTANE	6.143	42	640928	24.30	PPBV	94
14) 1,1-DICHLOROETHYLENE	6.429	96	827113	26.29	PPBV	97
15) CARBON DISULFIDE	6.859	76	2162566	31.24	PPBV	97
16) ETHANOL	5.100	45	187769	20.19	PPBV	99
17) BROMOETHENE	5.368	106	829145	26.30	PPBV	99
18) METHYLENE CHLORIDE	6.539	84	1001868	21.51	PPBV	96
19) 3-CHLOROPROPENE	6.662	39	701260	34.18	PPBV	87
20) FREON 113	6.798	151	1899447	28.28	PPBV	96
21) TRANS-1,2-DICHLOROETHY...	7.469	96	814099	29.58	PPBV	99
22) TERTIARY BUTYL ALCOHOL	6.431	59	1412204	31.25	PPBV	98
23) METHYL TERTIARY BUTYL ...	7.710	73	1913473	29.93	PPBV	96
24) TETRAHYDROFURAN	9.137	42	605146	25.37	PPBV	95
25) HEXANE	8.671	57	1125130	23.22	PPBV	96
26) VINYL ACETATE	7.789	43	1400317	30.03	PPBV	97
27) 1,1-DICHLOROETHANE	7.666	63	1444949	30.46	PPBV	99
28) METHYL ETHYL KETONE	8.032	43	1210279	24.61	PPBV	96
29) cis-1,2-DICHLOROETHYLENE	8.474	96	800359	29.14	PPBV	96
30) ETHYL ACETATE	8.664	43	2163136	25.03	PPBV	100
31) CHLOROFORM	8.758	83	1982961	29.06	PPBV	99
32) 1,1,1-TRICHLOROETHANE	9.709	97	2103880	31.51	PPBV	99
33) CARBON TETRACHLORIDE	10.291	117	2359836	31.33	PPBV	99
34) 1,2-DICHLOROETHANE	9.464	62	1225815	29.17	PPBV	100
36) BENZENE	10.153	78	2174884	29.80	PPBV	99
37) CYCLOHEXANE	10.413	84	848595	26.56	PPBV	95
38) TRICHLOROETHYLENE	11.148	95	1206086	31.39	PPBV	97
39) 1,2-DICHLOROPROPANE	10.926	63	730815	27.91	PPBV	94
40) BROMODICHLOROMETHANE	11.111	83	2014509	35.19	PPBV	99
41) 2,2,4-TRIMETHYLPENTANE	11.173	57	3305846	28.77	PPBV #	95
42) 1,4-DIOXANE	11.134	88	414757	28.40	PPBV	90
43) HEPTANE	11.409	43	1202132	27.07	PPBV	99

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\
Data File : Q3977.D
Acq On : 16 Jul 2007 4:53 pm
Operator : danat
Sample : ic214-40 (M211)
Misc : MS13893, MSQ214,,,,,1
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Jul 17 08:12:50 2007
Quant Method : C:\msdchem\1\METHODS\Q071607T.m
Quant Title : TO15 by GCMS w/DB-1 60 m X .25 mm ID 1.0 um
QLast Update : Mon Jul 16 15:07:12 2007
Response via : Initial Calibration

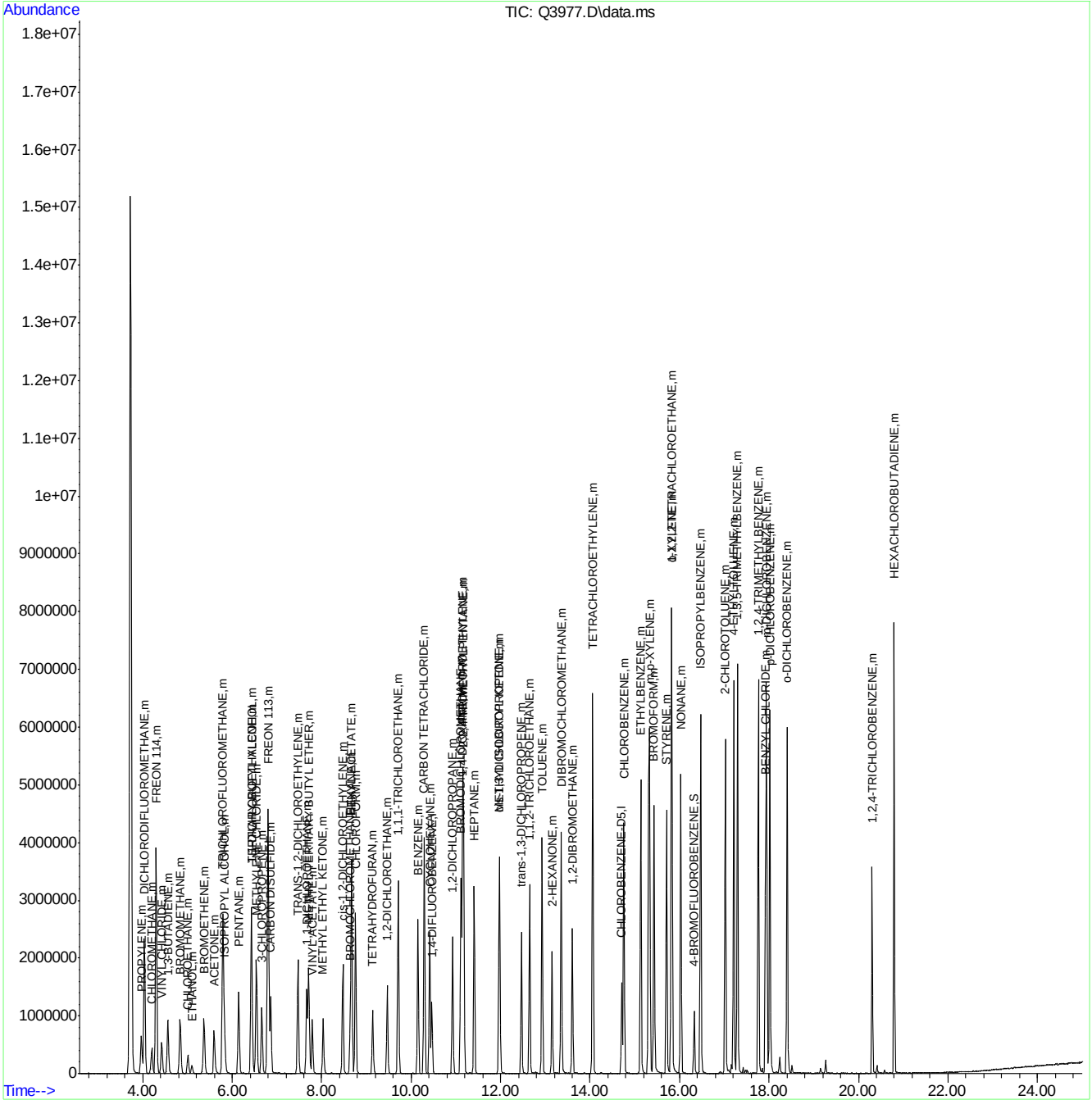
Internal Standards	R.T.	QIon	Response	Conc Units	Dev(Min)
44) METHYL ISOBUTYL KETONE	11.981	43	1520935	27.65 PPBV	99
45) cis-1,3-DICHLOROPROPENE	11.965	75	1207500	33.05 PPBV	94
46) TOLUENE	12.927	92	1581036	31.89 PPBV	99
47) trans-1,3-DICHLOROPROPENE	12.465	75	1165405	34.87 PPBV	95
48) 1,1,2-TRICHLOROETHANE	12.648	83	800561	30.07 PPBV	96
50) 2-HEXANONE	13.150	43	1382686	26.36 PPBV	99
51) TETRACHLOROETHYLENE	14.059	164	1421801	35.41 PPBV	93
52) DIBROMOCHLOROMETHANE	13.354	129	2135418	39.37 PPBV	100
53) 1,2-DIBROMOETHANE	13.603	107	1571117	31.44 PPBV	100
54) CHLOROBENZENE	14.755	112	2221182	31.53 PPBV	99
55) ETHYLBENZENE	15.133	91	3644300	31.86 PPBV	100
56) m,p-XYLENE	15.328	106	2775968	64.26 PPBV	100
57) o-XYLENE	15.830	106	1407471	32.62 PPBV	99
58) STYRENE	15.708	104	2147858	35.36 PPBV	98
59) NONANE	16.027	43	1834075	28.58 PPBV	99
60) BROMOFORM	15.429	173	2258113	47.37 PPBV	98
62) 1,1,2,2-TETRACHLOROETHANE	15.814	83	2099510	29.14 PPBV	99
63) ISOPROPYLBENZENE	16.473	105	4258033	33.31 PPBV	99
64) 2-CHLOROTOLUENE	17.023	91	3126389	32.55 PPBV	98
65) 4-ETHYLTOLUENE	17.211	105	4074248	35.37 PPBV	100
66) 1,3,5-TRIMETHYLBENZENE	17.296	105	3745031	33.78 PPBV	99
67) 1,2,4-TRIMETHYLBENZENE	17.761	105	3604402	34.94 PPBV	100
68) m-DICHLOROBENZENE	17.944	146	2539128	37.83 PPBV	97
69) BENZYL CHLORIDE	17.921	91	2414286	43.50 PPBV	98
70) p-DICHLOROBENZENE	18.018	146	2494039	36.55 PPBV	98
71) o-DICHLOROBENZENE	18.404	146	2309553	35.22 PPBV	98
72) HEXACHLOROBUTADIENE	20.798	225	1230652	27.16 PPBV	99
73) 1,2,4-TRICHLOROBENZENE	20.306	180	925743	33.17 PPBV	98

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

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\
Data File : Q3977.D
Acq On : 16 Jul 2007 4:53 pm
Operator : danat
Sample : ic214-40 (M211)
Misc : MS13893, MSQ214,,,,,1
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Jul 17 08:12:50 2007
Quant Method : C:\msdchem\1\METHODS\Q071607T.m
Quant Title : TO15 by GCMS w/DB-1 60 m X .25 mm ID 1.0 um
QLast Update : Mon Jul 16 15:07:12 2007
Response via : Initial Calibration



Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\
Data File : Q3978.D
Acq On : 16 Jul 2007 5:36 pm
Operator : danat
Sample : ic214-20 (M211)
Misc : MS13893, MSQ214,,,,,1
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Jul 17 08:14:20 2007
Quant Method : C:\msdchem\1\METHODS\Q071607T.m
Quant Title : TO15 by GCMS w/DB-1 60 m X .25 mm ID 1.0 um
QLast Update : Tue Jul 17 08:13:05 2007
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) BROMOCHLOROMETHANE	8.633	128	221510	10.00	PPBV	0.00
35) 1,4-DIFLUOROBENZENE	10.463	114	1017396	10.00	PPBV	0.00
49) CHLOROBENZENE-D5	14.705	117	906135	10.00	PPBV	0.00

System Monitoring Compounds

61) 4-BROMOFLUOROBENZENE	16.325	95	350551	4.95	PPBV	0.00

Spiked Amount 5.000 Range 57 - 139 Recovery = 99.00%

Target Compounds						Qvalue
2) DICHLORODIFLUOROMETHANE	4.035	85	1415090	19.96	PPBV	99
3) PROPYLENE	3.966	41	259744	21.15	PPBV	91
4) FREON 114	4.296	85	1351542	20.12	PPBV	99
5) CHLOROMETHANE	4.196	50	315570	20.39	PPBV	98
6) VINYL CHLORIDE	4.420	62	382075	20.60	PPBV	98
7) 1,3-BUTADIENE	4.557	39	305711	20.06	PPBV	98
8) BROMOMETHANE	4.834	94	435076	20.45	PPBV	100
9) CHLOROETHANE	5.007	64	168444	20.48	PPBV	99
10) TRICHLOROFLUOROMETHANE	5.787	101	1396921	19.71	PPBV	100
11) ISOPROPYL ALCOHOL	5.820	45	556039	20.39	PPBV	96
12) ACETONE	5.591	43	581901	20.24	PPBV	98
13) PENTANE	6.142	42	325328	20.22	PPBV	99
14) 1,1-DICHLOROETHYLENE	6.424	96	417221	20.01	PPBV	99
15) CARBON DISULFIDE	6.857	76	1078342	20.07	PPBV	100
16) ETHANOL	5.100	45	103227	21.35	PPBV	96
17) BROMOETHENE	5.370	106	434977	20.48	PPBV	99
18) METHYLENE CHLORIDE	6.541	84	497973	19.95	PPBV	99
19) 3-CHLOROPROPENE	6.658	39	319110	19.38	PPBV	99
20) FREON 113	6.798	151	955564	19.95	PPBV	100
21) TRANS-1,2-DICHLOROETHY...	7.466	96	404542	19.93	PPBV	100
22) TERTIARY BUTYL ALCOHOL	6.426	59	714259	20.03	PPBV	99
23) METHYL TERTIARY BUTYL ...	7.707	73	934883	19.80	PPBV	99
24) TETRAHYDROFURAN	9.139	42	308804	20.59	PPBV	99
25) HEXANE	8.667	57	577385	20.12	PPBV	100
26) VINYL ACETATE	7.789	43	701213	20.77	PPBV	97
27) 1,1-DICHLOROETHANE	7.661	63	677854	19.66	PPBV	100
28) METHYL ETHYL KETONE	8.032	43	613944	20.31	PPBV	99
29) cis-1,2-DICHLOROETHYLENE	8.472	96	387992	20.26	PPBV	99
30) ETHYL ACETATE	8.665	43	1101453	20.37	PPBV	100
31) CHLOROFORM	8.754	83	946232	19.69	PPBV	100
32) 1,1,1-TRICHLOROETHANE	9.709	97	973350	19.60	PPBV	100
33) CARBON TETRACHLORIDE	10.293	117	1138392	19.69	PPBV	100
34) 1,2-DICHLOROETHANE	9.460	62	571035	19.81	PPBV	100
36) BENZENE	10.147	78	1029221	19.36	PPBV	100
37) CYCLOHEXANE	10.413	84	423009	19.10	PPBV	95
38) TRICHLOROETHYLENE	11.145	95	560188	18.86	PPBV	99
39) 1,2-DICHLOROPROPANE	10.925	63	347524	19.24	PPBV	99
40) BROMODICHLOROMETHANE	11.106	83	924349	18.94	PPBV	97
41) 2,2,4-TRIMETHYLPENTANE	11.171	57	1548803	18.85	PPBV	100
42) 1,4-DIOXANE	11.129	88	205821	19.76	PPBV #	87
43) HEPTANE	11.407	43	573305	19.08	PPBV	99

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\
Data File : Q3978.D
Acq On : 16 Jul 2007 5:36 pm
Operator : danat
Sample : ic214-20 (M211)
Misc : MS13893, MSQ214,,,,,1
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Jul 17 08:14:20 2007
Quant Method : C:\msdchem\1\METHODS\Q071607T.m
Quant Title : TO15 by GCMS w/DB-1 60 m X .25 mm ID 1.0 um
QLast Update : Tue Jul 17 08:13:05 2007
Response via : Initial Calibration

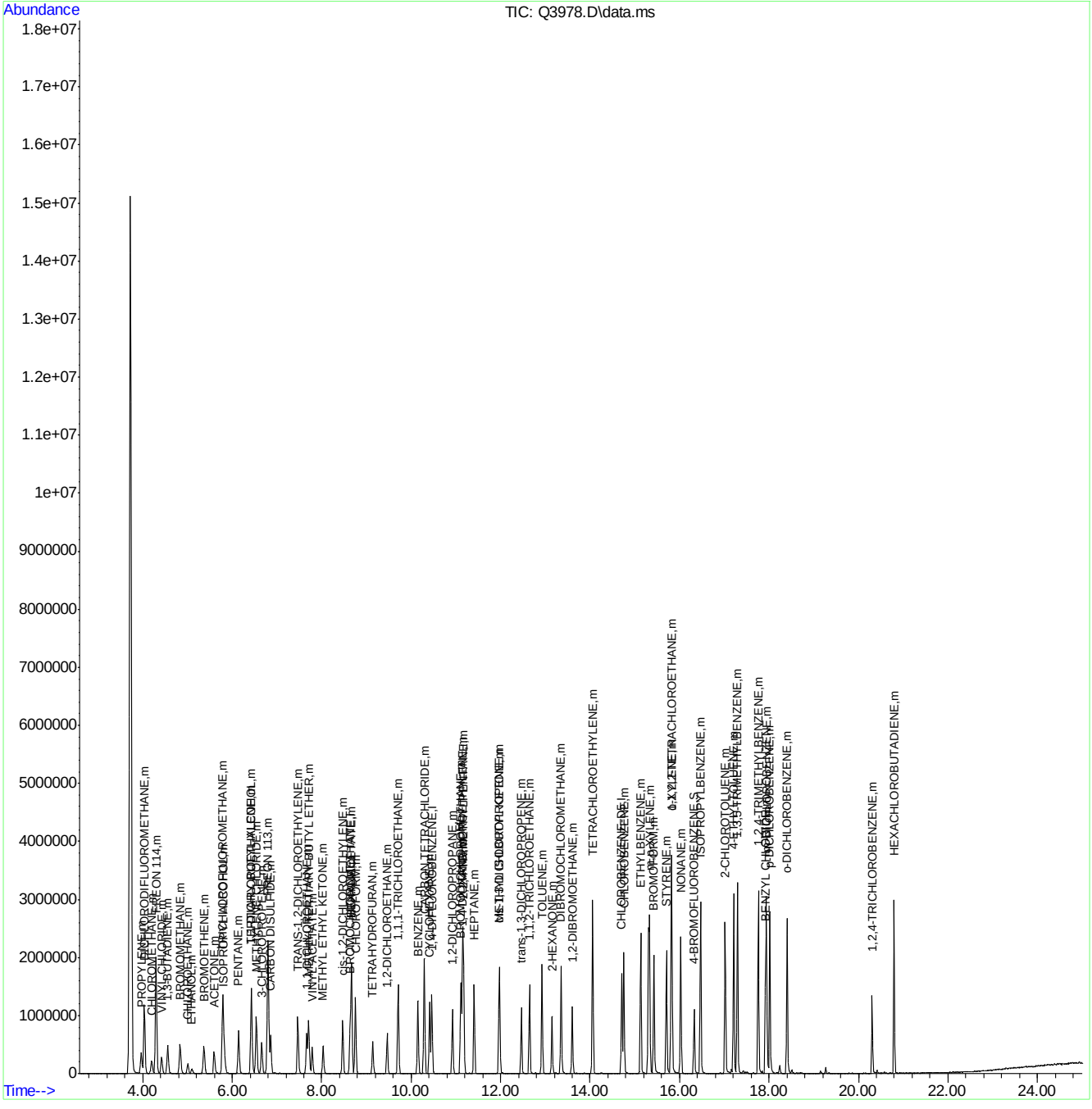
Internal Standards	R.T.	QIon	Response	Conc Units	Dev(Min)
44) METHYL ISOBUTYL KETONE	11.979	43	750728	19.65 PPBV	100
45) cis-1,3-DICHLOROPROPENE	11.963	75	549645	18.94 PPBV	99
46) TOLUENE	12.925	92	738920	19.10 PPBV	99
47) trans-1,3-DICHLOROPROPENE	12.462	75	533590	19.23 PPBV	99
48) 1,1,2-TRICHLOROETHANE	12.644	83	374786	18.95 PPBV	100
50) 2-HEXANONE	13.145	43	654654	19.69 PPBV	100
51) TETRACHLOROETHYLENE	14.057	164	648314	18.98 PPBV	99
52) DIBROMOCHLOROMETHANE	13.352	129	955089	19.03 PPBV	99
53) 1,2-DIBROMOETHANE	13.601	107	726832	19.49 PPBV	97
54) CHLOROBENZENE	14.751	112	1029097	19.20 PPBV	100
55) ETHYLBENZENE	15.131	91	1694424	19.17 PPBV	100
56) m,p-XYLENE	15.324	106	1308622	38.89 PPBV	97
57) o-XYLENE	15.825	106	658491	19.30 PPBV	99
58) STYRENE	15.708	104	1003139	19.53 PPBV	99
59) NONANE	16.025	43	847096	19.14 PPBV	100
60) BROMOFORM	15.425	173	991927	19.09 PPBV	100
62) 1,1,2,2-TETRACHLOROETHANE	15.812	83	984430	19.36 PPBV	99
63) ISOPROPYLBENZENE	16.469	105	1996951	19.26 PPBV	99
64) 2-CHLOROTOLUENE	17.019	91	1449660	19.19 PPBV	99
65) 4-ETHYLTOLUENE	17.209	105	1869312	18.98 PPBV	99
66) 1,3,5-TRIMETHYLBENZENE	17.294	105	1746289	19.09 PPBV	99
67) 1,2,4-TRIMETHYLBENZENE	17.759	105	1667884	19.22 PPBV	100
68) m-DICHLOROBENZENE	17.942	146	1128474	18.97 PPBV	99
69) BENZYL CHLORIDE	17.919	91	1033483	19.20 PPBV	99
70) p-DICHLOROBENZENE	18.015	146	1109710	18.83 PPBV	99
71) o-DICHLOROBENZENE	18.403	146	1035278	18.95 PPBV	100
72) HEXACHLOROBUTADIENE	20.796	225	479831	16.04 PPBV	99
73) 1,2,4-TRICHLOROBENZENE	20.308	180	369063	17.20 PPBV	98

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

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\
Data File : Q3978.D
Acq On : 16 Jul 2007 5:36 pm
Operator : danat
Sample : ic214-20 (M211)
Misc : MS13893, MSQ214,,,,,1
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Jul 17 08:14:20 2007
Quant Method : C:\msdchem\1\METHODS\Q071607T.m
Quant Title : TO15 by GCMS w/DB-1 60 m X .25 mm ID 1.0 um
QLast Update : Tue Jul 17 08:13:05 2007
Response via : Initial Calibration



Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\
Data File : Q3979.D
Acq On : 16 Jul 2007 6:18 pm
Operator : danat
Sample : icc214-10 (M211)
Misc : MS13893, MSQ214,,,,,1
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Jul 17 08:10:22 2007
Quant Method : C:\msdchem\1\METHODS\Q071607T.m
Quant Title : TO15 by GCMS w/DB-1 60 m X .25 mm ID 1.0 um
QLast Update : Mon Jul 16 15:07:12 2007
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) BROMOCHLOROMETHANE	8.633	128	220494	10.00	PPBV	0.00
35) 1,4-DIFLUOROBENZENE	10.460	114	1001449	10.00	PPBV	0.00
49) CHLOROBENZENE-D5	14.707	117	880366	10.00	PPBV	0.00

System Monitoring Compounds

61) 4-BROMOFLUOROBENZENE	16.323	95	333768	4.91	PPBV	0.00

Spiked Amount 5.000 Range 57 - 139 Recovery = 98.20%

Target Compounds						Qvalue
2) DICHLORODIFLUOROMETHANE	4.035	85	684837	5.92	PPBV	99
3) PROPYLENE	3.969	41	122643	4.65	PPBV	95
4) FREON 114	4.294	85	652207	6.29	PPBV	97
5) CHLOROMETHANE	4.198	50	153377	5.92	PPBV	98
6) VINYL CHLORIDE	4.420	62	182843	5.89	PPBV	99
7) 1,3-BUTADIENE	4.557	39	147444	6.08	PPBV	98
8) BROMOMETHANE	4.832	94	209484	6.13	PPBV	98
9) CHLOROETHANE	5.009	64	79274	6.80	PPBV	95
10) TRICHLOROFLUOROMETHANE	5.792	101	669866	6.34	PPBV	99
11) ISOPROPYL ALCOHOL	5.824	45	260910	5.03	PPBV	91
12) ACETONE	5.597	43	271384	4.58	PPBV	96
13) PENTANE	6.143	42	151747	5.47	PPBV	94
14) 1,1-DICHLOROETHYLENE	6.424	96	197716	5.98	PPBV	100
15) CARBON DISULFIDE	6.860	76	501376	6.89	PPBV	99
16) ETHANOL	5.094	45	46893	4.80	PPBV	96
17) BROMOETHENE	5.366	106	204863	6.18	PPBV	99
18) METHYLENE CHLORIDE	6.543	84	233626	4.77	PPBV	97
19) 3-CHLOROPROPENE	6.660	39	143435	6.65	PPBV	90
20) FREON 113	6.798	151	454376	6.43	PPBV	96
21) TRANS-1,2-DICHLOROETHY...	7.471	96	190141	6.57	PPBV	99
22) TERTIARY BUTYL ALCOHOL	6.433	59	338527	7.12	PPBV	98
23) METHYL TERTIARY BUTYL ...	7.709	73	436907	6.50	PPBV	96
24) TETRAHYDROFURAN	9.141	42	139518	5.56	PPBV	96
25) HEXANE	8.669	57	275527	5.41	PPBV	96
26) VINYL ACETATE	7.788	43	304116	6.20	PPBV	99
27) 1,1-DICHLOROETHANE	7.664	63	306494	6.14	PPBV	99
28) METHYL ETHYL KETONE	8.033	43	283771	5.49	PPBV	93
29) cis-1,2-DICHLOROETHYLENE	8.470	96	170796	5.91	PPBV	95
30) ETHYL ACETATE	8.663	43	507901	5.59	PPBV	100
31) CHLOROFORM	8.754	83	435311	6.07	PPBV	100
32) 1,1,1-TRICHLOROETHANE	9.711	97	435829	6.21	PPBV	98
33) CARBON TETRACHLORIDE	10.294	117	530865	6.70	PPBV	99
34) 1,2-DICHLOROETHANE	9.464	62	251517	5.69	PPBV	100
36) BENZENE	10.147	78	441877	5.44	PPBV	99
37) CYCLOHEXANE	10.412	84	200023	5.63	PPBV	93
38) TRICHLOROETHYLENE	11.146	95	249363	5.83	PPBV	97
39) 1,2-DICHLOROPROPANE	10.925	63	152398	5.23	PPBV	94
40) BROMODICHLOROMETHANE	11.109	83	400370	6.29	PPBV	98
41) 2,2,4-TRIMETHYLPENTANE	11.168	57	698559	5.47	PPBV #	95
42) 1,4-DIOXANE	11.136	88	89658	5.52	PPBV	86
43) HEPTANE	11.407	43	257337	5.21	PPBV	98

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\
Data File : Q3979.D
Acq On : 16 Jul 2007 6:18 pm
Operator : danat
Sample : icc214-10 (M211)
Misc : MS13893, MSQ214,,,,,1
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Jul 17 08:10:22 2007
Quant Method : C:\msdchem\1\METHODS\Q071607T.m
Quant Title : TO15 by GCMS w/DB-1 60 m X .25 mm ID 1.0 um
QLast Update : Mon Jul 16 15:07:12 2007
Response via : Initial Calibration

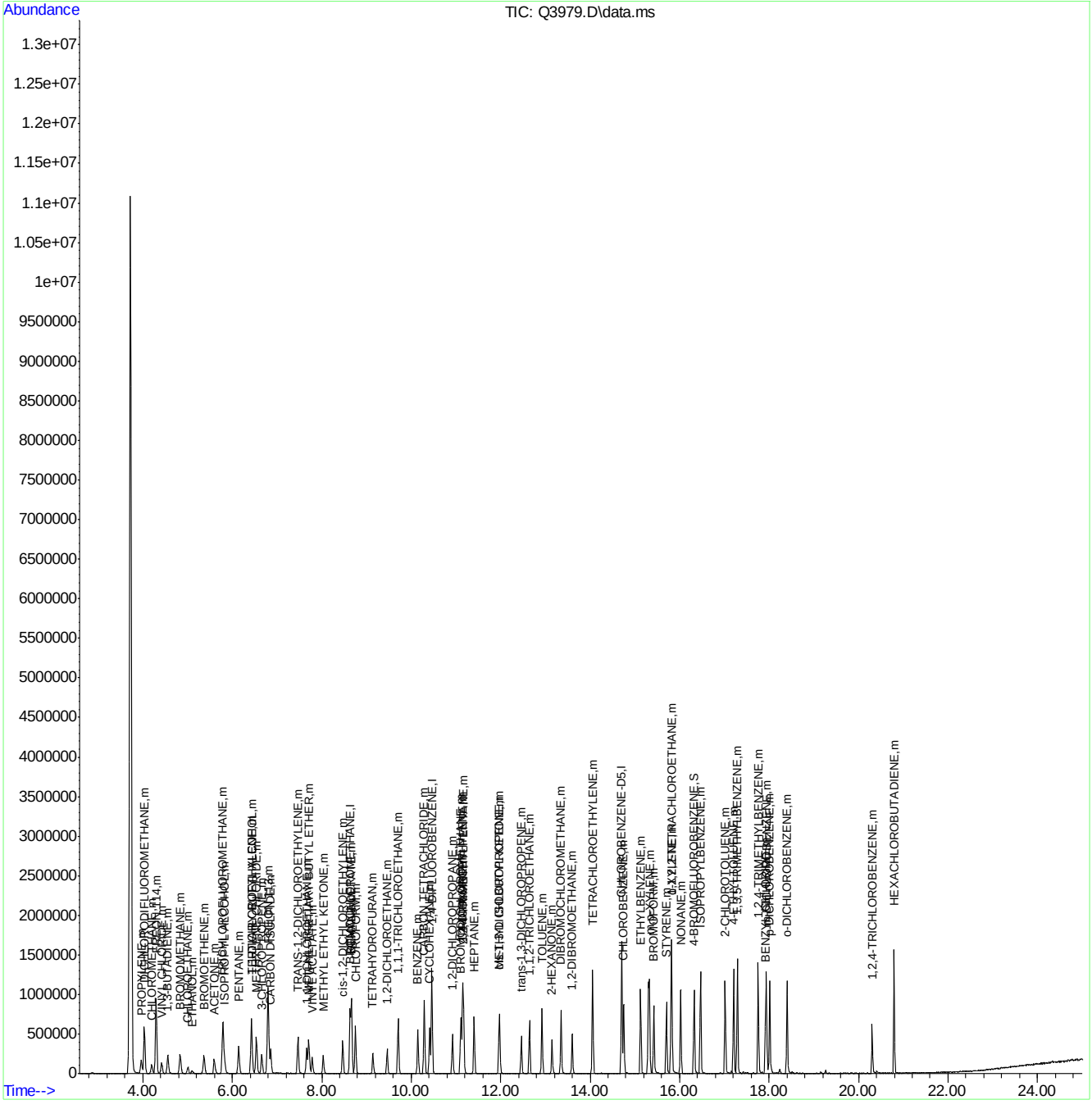
Internal Standards	R.T.	QIon	Response	Conc Units	Dev(Min)
44) METHYL ISOBUTYL KETONE	11.977	43	329287	5.38 PPBV	98
45) cis-1,3-DICHLOROPROPENE	11.965	75	235451	5.79 PPBV	93
46) TOLUENE	12.923	92	321727	5.83 PPBV	99
47) trans-1,3-DICHLOROPROPENE	12.463	75	222144	5.97 PPBV	95
48) 1,1,2-TRICHLOROETHANE	12.641	83	166704	5.63 PPBV	96
50) 2-HEXANONE	13.147	43	276432	4.93 PPBV	99
51) TETRACHLOROETHYLENE	14.055	164	283522	6.60 PPBV	93
52) DIBROMOCHLOROMETHANE	13.349	129	404442	6.97 PPBV	100
53) 1,2-DIBROMOETHANE	13.599	107	304701	5.70 PPBV	98
54) CHLOROBENZENE	14.753	112	447537	5.94 PPBV	99
55) ETHYLBENZENE	15.131	91	743600	6.08 PPBV	99
56) m,p-XYLENE	15.326	106	565606	12.24 PPBV	99
57) o-XYLENE	15.825	106	286811	6.22 PPBV	99
58) STYRENE	15.704	104	423629	6.52 PPBV	98
59) NONANE	16.025	43	369576	5.38 PPBV	99
60) BROMOFORM	15.422	173	406035	7.96 PPBV	98
62) 1,1,2,2-TETRACHLOROETHANE	15.814	83	426609	5.54 PPBV	99
63) ISOPROPYLBENZENE	16.469	105	875964	6.41 PPBV	100
64) 2-CHLOROTOLUENE	17.019	91	631878	6.15 PPBV	99
65) 4-ETHYLTOLUENE	17.209	105	824684	6.69 PPBV	100
66) 1,3,5-TRIMETHYLBENZENE	17.292	105	775965	6.55 PPBV	100
67) 1,2,4-TRIMETHYLBENZENE	17.757	105	722221	6.55 PPBV	99
68) m-DICHLOROBENZENE	17.940	146	476931	6.64 PPBV	98
69) BENZYL CHLORIDE	17.919	91	400424	6.75 PPBV	99
70) p-DICHLOROBENZENE	18.013	146	478607	6.56 PPBV	97
71) o-DICHLOROBENZENE	18.402	146	444325	6.34 PPBV	98
72) HEXACHLOROBUTADIENE	20.798	225	252179	5.20 PPBV	99
73) 1,2,4-TRICHLOROBENZENE	20.306	180	169444	5.68 PPBV	97

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

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\
Data File : Q3979.D
Acq On : 16 Jul 2007 6:18 pm
Operator : danat
Sample : icc214-10 (M211)
Misc : MS13893, MSQ214,,,,,1
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Jul 17 08:10:22 2007
Quant Method : C:\msdchem\1\METHODS\Q071607T.m
Quant Title : TO15 by GCMS w/DB-1 60 m X .25 mm ID 1.0 um
QLast Update : Mon Jul 16 15:07:12 2007
Response via : Initial Calibration



Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\
Data File : Q3980.D
Acq On : 16 Jul 2007 7:01 pm
Operator : danat
Sample : ic214-5 (M211)
Misc : MS13893, MSQ214,,,,,1
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Jul 17 08:16:28 2007
Quant Method : C:\msdchem\1\METHODS\Q071607T.m
Quant Title : TO15 by GCMS w/DB-1 60 m X .25 mm ID 1.0 um
QLast Update : Tue Jul 17 08:14:33 2007
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) BROMOCHLOROMETHANE	8.632	128	205904	10.00	PPBV	0.00
35) 1,4-DIFLUOROBENZENE	10.461	114	947064	10.00	PPBV	0.00
49) CHLOROBENZENE-D5	14.705	117	825944	10.00	PPBV	0.00
System Monitoring Compounds						
61) 4-BROMOFLUOROBENZENE	16.324	95	299530	4.65	PPBV	0.00
Spiked Amount 5.000	Range 57 - 139		Recovery = 93.00%			
Target Compounds						Qvalue
2) DICHLORODIFLUOROMETHANE	4.037	85	343505	5.22	PPBV	100
3) PROPYLENE	3.964	41	61635	5.30	PPBV	93
4) FREON 114	4.296	85	314869	5.03	PPBV	99
5) CHLOROMETHANE	4.195	50	76735	5.30	PPBV	87
6) VINYL CHLORIDE	4.422	62	87867	5.05	PPBV	96
7) 1,3-BUTADIENE	4.557	39	69485	4.90	PPBV	99
8) BROMOMETHANE	4.835	94	98181	4.93	PPBV	98
9) CHLOROETHANE	5.011	64	35742	4.64	PPBV	99
10) TRICHLOROFLUOROMETHANE	5.787	101	321040	4.90	PPBV	100
11) ISOPROPYL ALCOHOL	5.828	45	117237	4.59	PPBV	99
12) ACETONE	5.604	43	124462	4.64	PPBV	99
13) PENTANE	6.143	42	71560	4.77	PPBV	99
14) 1,1-DICHLOROETHYLENE	6.426	96	88811	4.58	PPBV	95
15) CARBON DISULFIDE	6.859	76	235052	4.70	PPBV	96
16) ETHANOL	5.098	45	21109	4.59	PPBV	81
17) BROMOETHENE	5.366	106	96113	4.83	PPBV	100
18) METHYLENE CHLORIDE	6.541	84	105900	4.57	PPBV	98
19) 3-CHLOROPROPENE	6.663	39	60854	4.02	PPBV	99
20) FREON 113	6.797	151	211145	4.75	PPBV	99
21) TRANS-1,2-DICHLOROETHY...	7.469	96	83754	4.44	PPBV	97
22) TERTIARY BUTYL ALCOHOL	6.436	59	151527	4.57	PPBV	98
23) METHYL TERTIARY BUTYL ...	7.711	73	193415	4.42	PPBV	98
24) TETRAHYDROFURAN	9.145	42	60382	4.29	PPBV	100
25) HEXANE	8.667	57	123008	4.60	PPBV	98
26) VINYL ACETATE	7.790	43	134640	4.24	PPBV	99
27) 1,1-DICHLOROETHANE	7.668	63	134750	4.23	PPBV	99
28) METHYL ETHYL KETONE	8.037	43	124754	4.42	PPBV	97
29) cis-1,2-DICHLOROETHYLENE	8.468	96	73064	4.09	PPBV	98
30) ETHYL ACETATE	8.664	43	224825	4.45	PPBV	100
31) CHLOROFORM	8.754	83	190838	4.29	PPBV	98
32) 1,1,1-TRICHLOROETHANE	9.707	97	187302	4.08	PPBV	100
33) CARBON TETRACHLORIDE	10.295	117	232563	4.35	PPBV	100
34) 1,2-DICHLOROETHANE	9.461	62	112746	4.22	PPBV	98
36) BENZENE	10.147	78	190581	3.89	PPBV	99
37) CYCLOHEXANE	10.410	84	88053	4.34	PPBV	100
38) TRICHLOROETHYLENE	11.145	95	107659	3.97	PPBV	100
39) 1,2-DICHLOROPROPANE	10.921	63	66643	4.01	PPBV	99
40) BROMODICHLOROMETHANE	11.106	83	176485	3.96	PPBV	95
41) 2,2,4-TRIMETHYLPENTANE	11.168	57	302789	4.04	PPBV	100
42) 1,4-DIOXANE	11.141	88	38223	3.96	PPBV #	55
43) HEPTANE	11.407	43	108447	3.94	PPBV	98

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\
Data File : Q3980.D
Acq On : 16 Jul 2007 7:01 pm
Operator : danat
Sample : ic214-5 (M211)
Misc : MS13893, MSQ214,,,,,1
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Jul 17 08:16:28 2007
Quant Method : C:\msdchem\1\METHODS\Q071607T.m
Quant Title : TO15 by GCMS w/DB-1 60 m X .25 mm ID 1.0 um
QLast Update : Tue Jul 17 08:14:33 2007
Response via : Initial Calibration

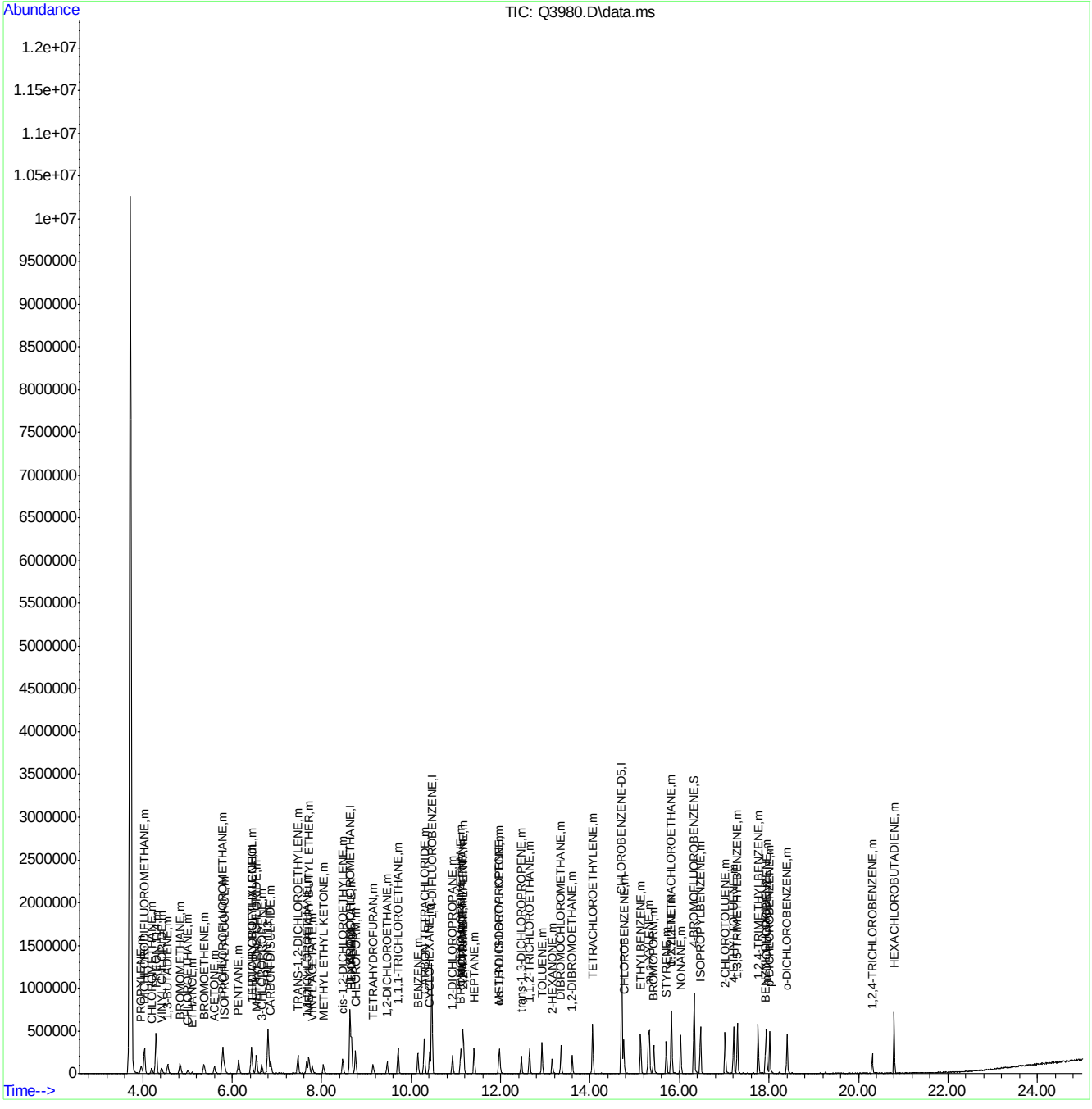
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) METHYL ISOBUTYL KETONE	11.981	43	137692	3.89	PPBV	99
45) cis-1,3-DICHLOROPROPENE	11.963	75	100108	3.77	PPBV	99
46) TOLUENE	12.927	92	137452	3.88	PPBV	100
47) trans-1,3-DICHLOROPROPENE	12.463	75	93432	3.66	PPBV	99
48) 1,1,2-TRICHLOROETHANE	12.646	83	73208	4.05	PPBV	99
50) 2-HEXANONE	13.149	43	116486	3.86	PPBV	97
51) TETRACHLOROETHYLENE	14.057	164	122725	4.01	PPBV	99
52) DIBROMOCHLOROMETHANE	13.351	129	166726	3.70	PPBV	99
53) 1,2-DIBROMOETHANE	13.599	107	132216	3.92	PPBV	97
54) CHLOROBENZENE	14.751	112	194984	4.05	PPBV	98
55) ETHYLBENZENE	15.131	91	318008	4.00	PPBV	100
56) m,p-XYLENE	15.323	106	242151	7.97	PPBV	99
57) o-XYLENE	15.825	106	121195	3.94	PPBV	98
58) STYRENE	15.702	104	170488	3.67	PPBV	99
59) NONANE	16.022	43	154715	3.89	PPBV	100
60) BROMOFORM	15.426	173	157513	3.38	PPBV	99
62) 1,1,2,2-TETRACHLOROETHANE	15.812	83	180416	3.93	PPBV	100
63) ISOPROPYLBENZENE	16.469	105	364704	3.91	PPBV	99
64) 2-CHLOROTOLUENE	17.019	91	261307	3.85	PPBV	99
65) 4-ETHYLTOLUENE	17.209	105	325376	3.69	PPBV	99
66) 1,3,5-TRIMETHYLBENZENE	17.293	105	320237	3.90	PPBV	98
67) 1,2,4-TRIMETHYLBENZENE	17.758	105	294793	3.78	PPBV	100
68) m-DICHLOROBENZENE	17.942	146	190127	3.57	PPBV	98
69) BENZYL CHLORIDE	17.917	91	143278	2.96	PPBV	98
70) p-DICHLOROBENZENE	18.015	146	198189	3.76	PPBV	98
71) o-DICHLOROBENZENE	18.402	146	183920	3.76	PPBV	99
72) HEXACHLOROBUTADIENE	20.794	225	110446	4.34	PPBV	99
73) 1,2,4-TRICHLOROBENZENE	20.308	180	66830	3.58	PPBV	97

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

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\
Data File : Q3980.D
Acq On : 16 Jul 2007 7:01 pm
Operator : danat
Sample : ic214-5 (M211)
Misc : MS13893, MSQ214,,,,,1
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Jul 17 08:16:28 2007
Quant Method : C:\msdchem\1\METHODS\Q071607T.m
Quant Title : TO15 by GCMS w/DB-1 60 m X .25 mm ID 1.0 um
QLast Update : Tue Jul 17 08:14:33 2007
Response via : Initial Calibration



Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\
Data File : Q3981.D
Acq On : 16 Jul 2007 7:44 pm
Operator : danat
Sample : ic214-2 (M211)
Misc : MS13893, MSQ214,,,,,1
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Jul 17 08:16:52 2007
Quant Method : C:\msdchem\1\METHODS\Q071607T.m
Quant Title : TO15 by GCMS w/DB-1 60 m X .25 mm ID 1.0 um
QLast Update : Tue Jul 17 08:16:40 2007
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) BROMOCHLOROMETHANE	8.632	128	202445	10.00	PPBV	0.00
35) 1,4-DIFLUOROBENZENE	10.463	114	918040	10.00	PPBV	0.00
49) CHLOROBENZENE-D5	14.705	117	788203	10.00	PPBV	0.00
System Monitoring Compounds						
61) 4-BROMOFLUOROBENZENE	16.324	95	279986	4.64	PPBV	0.00
Spiked Amount 5.000	Range 57 - 139		Recovery = 92.80%			
Target Compounds						Qvalue
2) DICHLORODIFLUOROMETHANE	4.037	85	135106	2.06	PPBV	98
3) PROPYLENE	3.966	41	21867	1.88	PPBV	85
4) FREON 114	4.303	85	117212	1.90	PPBV	99
5) CHLOROMETHANE	4.200	50	29469	2.04	PPBV	95
6) VINYL CHLORIDE	4.424	62	33455	1.95	PPBV	98
7) 1,3-BUTADIENE	4.560	39	26878	1.94	PPBV	97
8) BROMOMETHANE	4.837	94	37618	1.93	PPBV	96
9) CHLOROETHANE	5.008	64	12858	1.73	PPBV #	80
10) TRICHLOROFLUOROMETHANE	5.790	101	122647	1.91	PPBV	99
11) ISOPROPYL ALCOHOL	5.835	45	51199	2.08	PPBV	94
12) ACETONE	5.609	43	56607	2.19	PPBV	99
13) PENTANE	6.143	42	27393	1.88	PPBV	97
14) 1,1-DICHLOROETHYLENE	6.422	96	36156	1.94	PPBV	98
15) CARBON DISULFIDE	6.855	76	86669	1.79	PPBV	93
16) ETHANOL	5.103	45	9528	2.15	PPBV #	60
17) BROMOETHENE	5.366	106	36520	1.88	PPBV	98
18) METHYLENE CHLORIDE	6.543	84	45947	2.06	PPBV	99
19) 3-CHLOROPROPENE	6.655	39	25084	1.77	PPBV	92
20) FREON 113	6.802	151	84756	1.96	PPBV	99
21) TRANS-1,2-DICHLOROETHY...	7.471	96	32193	1.79	PPBV	99
22) TERTIARY BUTYL ALCOHOL	6.445	59	59741	1.87	PPBV	94
23) METHYL TERTIARY BUTYL ...	7.718	73	80070	1.92	PPBV	96
24) TETRAHYDROFURAN	9.153	42	23878	1.79	PPBV	99
25) HEXANE	8.669	57	58475	2.27	PPBV	97
26) VINYL ACETATE	7.794	43	56274	1.87	PPBV	88
27) 1,1-DICHLOROETHANE	7.664	63	51599	1.71	PPBV	98
28) METHYL ETHYL KETONE	8.039	43	48007	1.78	PPBV	96
29) cis-1,2-DICHLOROETHYLENE	8.467	96	27906	1.66	PPBV	99
30) ETHYL ACETATE	8.671	43	96352	1.99	PPBV	99
31) CHLOROFORM	8.747	83	73317	1.74	PPBV	99
32) 1,1,1-TRICHLOROETHANE	9.713	97	71737	1.67	PPBV	99
33) CARBON TETRACHLORIDE	10.295	117	86881	1.71	PPBV	99
34) 1,2-DICHLOROETHANE	9.466	62	44708	1.77	PPBV	99
36) BENZENE	10.147	78	73898	1.65	PPBV	99
37) CYCLOHEXANE	10.419	84	34018	1.79	PPBV	98
38) TRICHLOROETHYLENE	11.148	95	41891	1.68	PPBV	98
39) 1,2-DICHLOROPROPANE	10.926	63	26803	1.75	PPBV	99
40) BROMODICHLOROMETHANE	11.107	83	64689	1.58	PPBV	97
41) 2,2,4-TRIMETHYLPENTANE	11.170	57	114231	1.65	PPBV	98
42) 1,4-DIOXANE	11.143	88	13805	1.56	PPBV #	48
43) HEPTANE	11.409	43	41873	1.66	PPBV	96

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\
Data File : Q3981.D
Acq On : 16 Jul 2007 7:44 pm
Operator : danat
Sample : ic214-2 (M211)
Misc : MS13893, MSQ214,,,,,1
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Jul 17 08:16:52 2007
Quant Method : C:\msdchem\1\METHODS\Q071607T.m
Quant Title : TO15 by GCMS w/DB-1 60 m X .25 mm ID 1.0 um
QLast Update : Tue Jul 17 08:16:40 2007
Response via : Initial Calibration

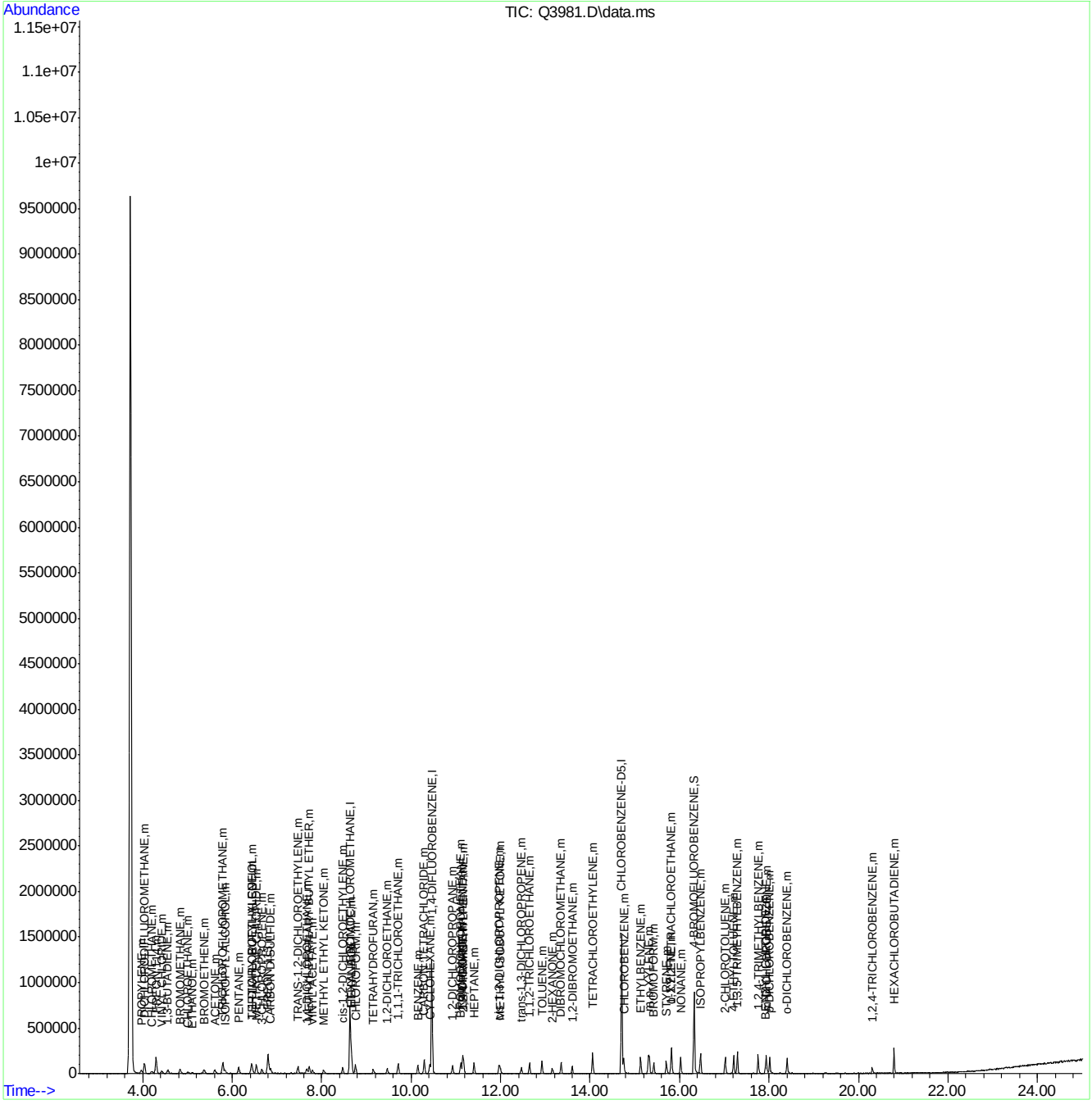
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) METHYL ISOBUTYL KETONE	11.986	43	54390	1.68	PPBV	98
45) cis-1,3-DICHLOROPROPENE	11.961	75	36320	1.50	PPBV	94
46) TOLUENE	12.923	92	52232	1.61	PPBV	96
47) trans-1,3-DICHLOROPROPENE	12.465	75	34173	1.48	PPBV	97
48) 1,1,2-TRICHLOROETHANE	12.646	83	29207	1.75	PPBV	99
50) 2-HEXANONE	13.152	43	41483	1.53	PPBV	98
51) TETRACHLOROETHYLENE	14.059	164	46206	1.66	PPBV	98
52) DIBROMOCHLOROMETHANE	13.349	129	62068	1.55	PPBV	100
53) 1,2-DIBROMOETHANE	13.597	107	50495	1.66	PPBV	98
54) CHLOROBENZENE	14.753	112	74553	1.70	PPBV	99
55) ETHYLBENZENE	15.129	91	121331	1.68	PPBV	100
56) m,p-XYLENE	15.303	106	92276	3.35	PPBV	99
57) o-XYLENE	15.827	106	47194	1.70	PPBV	98
58) STYRENE	15.702	104	61380	1.48	PPBV	99
59) NONANE	16.024	43	59653	1.66	PPBV	99
60) BROMOFORM	15.422	173	56101	1.37	PPBV	98
62) 1,1,2,2-TETRACHLOROETHANE	15.812	83	67547	1.63	PPBV	98
63) ISOPROPYLBENZENE	16.467	105	141125	1.68	PPBV	99
64) 2-CHLOROTOLUENE	17.017	91	99183	1.62	PPBV	98
65) 4-ETHYLTOLUENE	17.211	105	120772	1.53	PPBV	100
66) 1,3,5-TRIMETHYLBENZENE	17.291	105	116359	1.57	PPBV	97
67) 1,2,4-TRIMETHYLBENZENE	17.756	105	109161	1.56	PPBV	99
68) m-DICHLOROBENZENE	17.939	146	72641	1.54	PPBV	99
69) BENZYL CHLORIDE	17.917	91	46385	1.12	PPBV	98
70) p-DICHLOROBENZENE	18.013	146	71778	1.52	PPBV	96
71) o-DICHLOROBENZENE	18.400	146	67267	1.54	PPBV	98
72) HEXACHLOROBUTADIENE	20.798	225	43134	1.84	PPBV	99
73) 1,2,4-TRICHLOROBENZENE	20.310	180	21627	1.31	PPBV	97

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

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\
Data File : Q3981.D
Acq On : 16 Jul 2007 7:44 pm
Operator : danat
Sample : ic214-2 (M211)
Misc : MS13893, MSQ214,,,,,1
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Jul 17 08:16:52 2007
Quant Method : C:\msdchem\1\METHODS\Q071607T.m
Quant Title : TO15 by GCMS w/DB-1 60 m X .25 mm ID 1.0 um
QLast Update : Tue Jul 17 08:16:40 2007
Response via : Initial Calibration



Manual Integrations APPROVED (compounds with "m" flag)
Philip Bassignani 07/18/07 19:08

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\
Data File : Q3982.D
Acq On : 16 Jul 2007 8:26 pm
Operator : danat
Sample : ic214-0.5 (M210)
Misc : MS13893, MSQ214,,,,,1
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Jul 17 08:20:19 2007
Quant Method : C:\msdchem\1\METHODS\Q071607T.m
Quant Title : TO15 by GCMS w/DB-1 60 m X .25 mm ID 1.0 um
QLast Update : Tue Jul 17 08:18:23 2007
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) BROMOCHLOROMETHANE	8.635	128	196436	10.00	PPBV	0.00
35) 1,4-DIFLUOROBENZENE	10.463	114	898497	10.00	PPBV	0.00
49) CHLOROBENZENE-D5	14.705	117	762074	10.00	PPBV	0.00

System Monitoring Compounds

61) 4-BROMOFLUOROBENZENE	16.323	95	260219	4.52	PPBV	0.00

Spiked Amount 5.000 Range 57 - 139 Recovery = 90.40%

Target Compounds						Qvalue
2) DICHLORODIFLUOROMETHANE	4.037	85	33383	0.52	PPBV	96
3) PROPYLENE	3.969	41	5450m	0.49	PPBV	
4) FREON 114	4.298	85	30786	0.52	PPBV	99
5) CHLOROMETHANE	4.193	50	6815	0.48	PPBV #	42
6) VINYL CHLORIDE	4.418	62	7979	0.48	PPBV	90
7) 1,3-BUTADIENE	4.553	39	7326	0.55	PPBV #	23
8) BROMOMETHANE	4.827	94	9674	0.51	PPBV #	57
9) CHLOROETHANE	5.009	64	3980	0.57	PPBV #	61
10) TRICHLOROFLUOROMETHANE	5.794	101	35548	0.58	PPBV	99
11) ISOPROPYL ALCOHOL	5.845	45	19323	0.80	PPBV	93
12) ACETONE	5.611	43	21472	0.84	PPBV	97
13) PENTANE	6.140	42	7782m	0.56	PPBV	
14) 1,1-DICHLOROETHYLENE	6.429	96	9567	0.53	PPBV	94
15) CARBON DISULFIDE	6.862	76	22470	0.49	PPBV	94
16) ETHANOL	5.116	45	3143m	0.72	PPBV	
17) BROMOETHENE	5.370	106	10273	0.55	PPBV #	91
18) METHYLENE CHLORIDE	6.534	84	19466	0.89	PPBV	99
19) 3-CHLOROPROPENE	6.663	39	7752	0.58	PPBV #	79
20) FREON 113	6.804	151	24522	0.59	PPBV	98
21) TRANS-1,2-DICHLOROETHY...	7.471	96	8761	0.51	PPBV	93
22) TERTIARY BUTYL ALCOHOL	6.465	59	16229	0.53	PPBV	85
23) METHYL TERTIARY BUTYL ...	7.727	73	20083	0.50	PPBV	93
24) TETRAHYDROFURAN	9.169	42	6006	0.47	PPBV #	76
25) HEXANE	8.669	57	20205	0.79	PPBV	97
26) VINYL ACETATE	7.796	43	14182	0.49	PPBV	93
27) 1,1-DICHLOROETHANE	7.666	63	15078	0.53	PPBV	99
28) METHYL ETHYL KETONE	8.048	43	13964	0.55	PPBV	95
29) cis-1,2-DICHLOROETHYLENE	8.472	96	7412	0.47	PPBV	97
30) ETHYL ACETATE	8.676	43	27945	0.60	PPBV #	95
31) CHLOROFORM	8.752	83	20365	0.51	PPBV	98
32) 1,1,1-TRICHLOROETHANE	9.714	97	20211	0.50	PPBV	98
33) CARBON TETRACHLORIDE	10.291	117	23125	0.48	PPBV	98
34) 1,2-DICHLOROETHANE	9.462	62	11552	0.48	PPBV	96
36) BENZENE	10.151	78	19179	0.45	PPBV	99
37) CYCLOHEXANE	10.415	84	8315	0.46	PPBV	100
38) TRICHLOROETHYLENE	11.147	95	10350	0.44	PPBV	90
39) 1,2-DICHLOROPROPANE	10.923	63	7272	0.50	PPBV	96
40) BROMODICHLOROMETHANE	11.104	83	16086	0.42	PPBV	97
41) 2,2,4-TRIMETHYLPENTANE	11.168	57	30682	0.47	PPBV	98
42) 1,4-DIOXANE	11.161	88	4015	0.48	PPBV #	1
43) HEPTANE	11.404	43	11193	0.47	PPBV	92

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\
Data File : Q3982.D
Acq On : 16 Jul 2007 8:26 pm
Operator : danat
Sample : ic214-0.5 (M210)
Misc : MS13893, MSQ214,,,,,1
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Jul 17 08:20:19 2007
Quant Method : C:\msdchem\1\METHODS\Q071607T.m
Quant Title : TO15 by GCMS w/DB-1 60 m X .25 mm ID 1.0 um
QLast Update : Tue Jul 17 08:18:23 2007
Response via : Initial Calibration

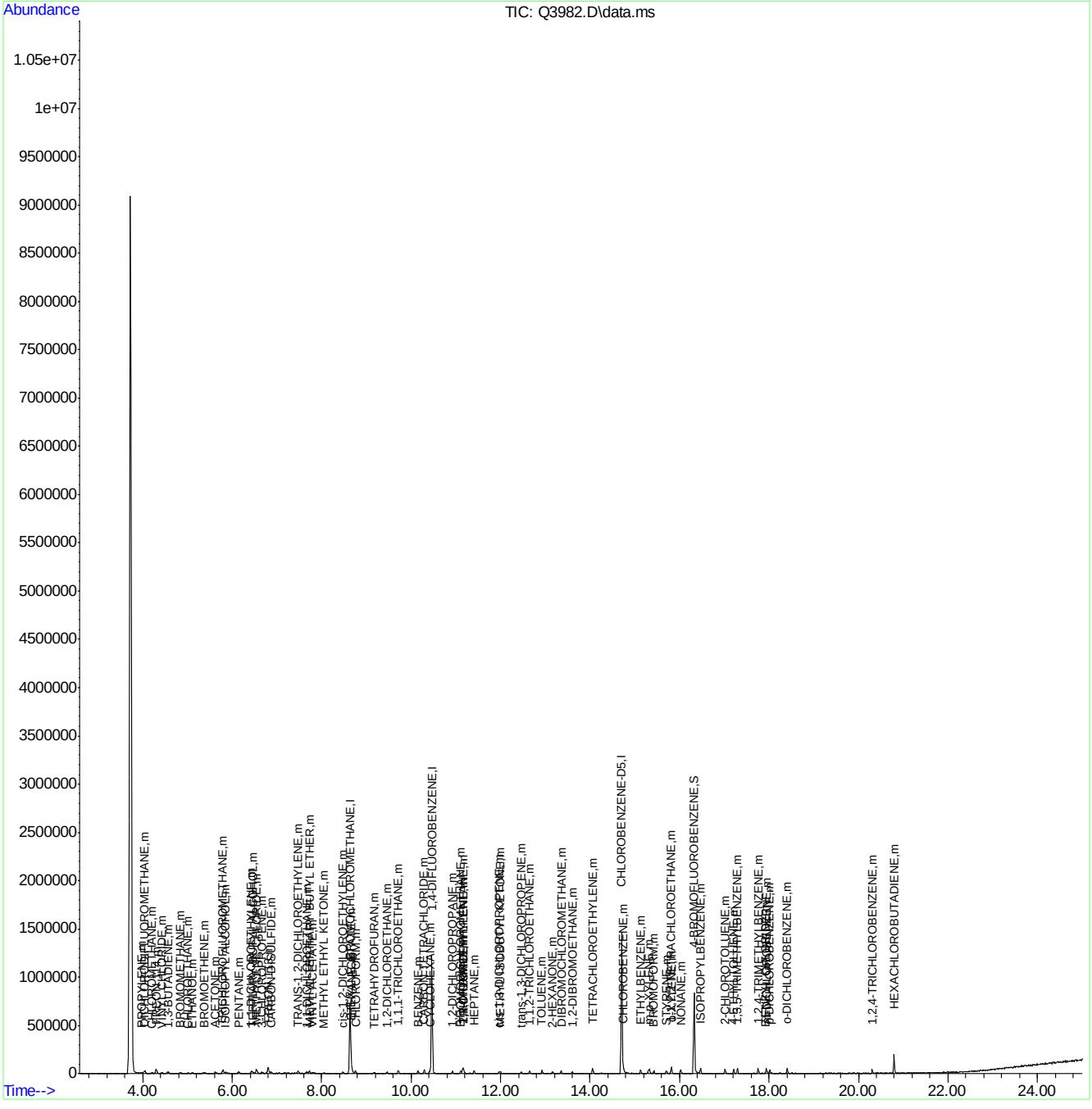
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) METHYL ISOBUTYL KETONE	11.993	43	13986	0.46	PPBV	96
45) cis-1,3-DICHLOROPROPENE	11.966	75	9146	0.41	PPBV	93
46) TOLUENE	12.918	92	13119	0.43	PPBV	100
47) trans-1,3-DICHLOROPROPENE	12.462	75	7753	0.36	PPBV	94
48) 1,1,2-TRICHLOROETHANE	12.643	83	7148	0.45	PPBV	98
50) 2-HEXANONE	13.159	43	12565	0.50	PPBV	95
51) TETRACHLOROETHYLENE	14.057	164	12458	0.48	PPBV	97
52) DIBROMOCHLOROMETHANE	13.353	129	14127	0.38	PPBV	97
53) 1,2-DIBROMOETHANE	13.597	107	12953	0.46	PPBV #	98
54) CHLOROBENZENE	14.749	112	18637	0.45	PPBV	96
55) ETHYLBENZENE	15.127	91	27066	0.40	PPBV	97
56) m,p-XYLENE	15.323	106	20206m	0.78	PPBV	
57) o-XYLENE	15.821	106	10481	0.40	PPBV	95
58) STYRENE	15.702	104	12720	0.34	PPBV	96
59) NONANE	16.024	43	13031	0.39	PPBV	93
60) BROMOFORM	15.420	173	12525	0.34	PPBV	99
62) 1,1,2,2-TETRACHLOROETHANE	15.809	83	18629	0.48	PPBV	96
63) ISOPROPYLBENZENE	16.467	105	32602	0.41	PPBV	99
64) 2-CHLOROTOLUENE	17.019	91	22818	0.40	PPBV	98
65) 4-ETHYLTOLUENE	17.209	105	27226	0.38	PPBV	98
66) 1,3,5-TRIMETHYLBENZENE	17.296	105	28706	0.42	PPBV	100
67) 1,2,4-TRIMETHYLBENZENE	17.756	105	25520	0.39	PPBV	99
68) m-DICHLOROBENZENE	17.942	146	19093	0.44	PPBV	94
69) BENZYL CHLORIDE	17.917	91	11288	0.31	PPBV	93
70) p-DICHLOROBENZENE	18.013	146	14458	0.33	PPBV	80
71) o-DICHLOROBENZENE	18.404	146	19673	0.49	PPBV	99
72) HEXACHLOROBUTADIENE	20.796	225	31622	1.42	PPBV	99
73) 1,2,4-TRICHLOROBENZENE	20.306	180	11854	0.80	PPBV	98

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

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\
Data File : Q3982.D
Acq On : 16 Jul 2007 8:26 pm
Operator : danat
Sample : ic214-0.5 (M210)
Misc : MS13893, MSQ214,,,,,1
ALS Vial : 1 Sample Multiplier: 1

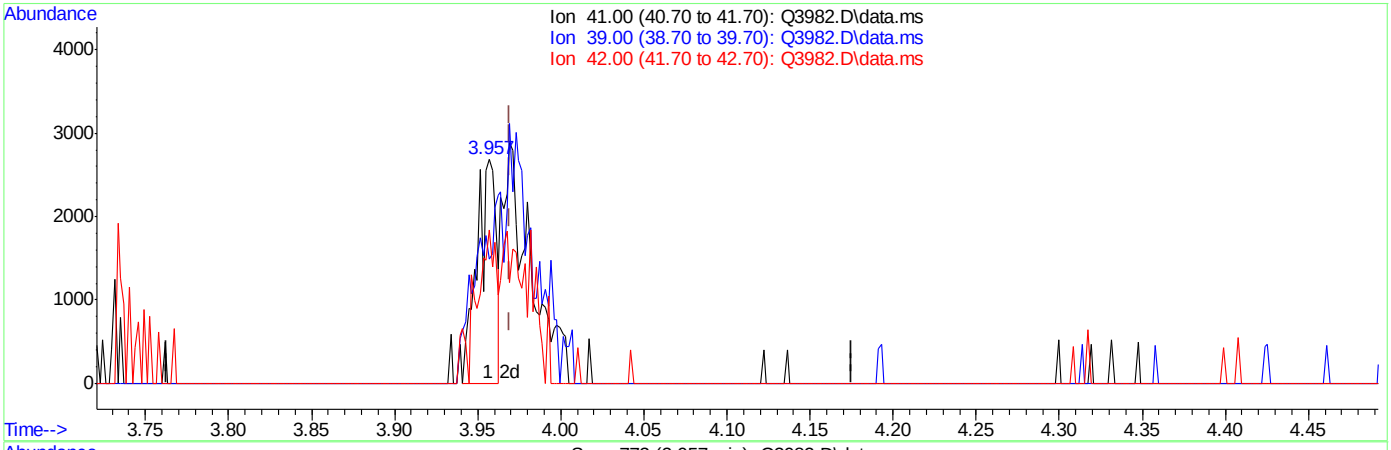
Quant Time: Jul 17 08:20:19 2007
Quant Method : C:\msdchem\1\METHODS\Q071607T.m
Quant Title : TO15 by GCMS w/DB-1 60 m X .25 mm ID 1.0 um
QLast Update : Tue Jul 17 08:18:23 2007
Response via : Initial Calibration

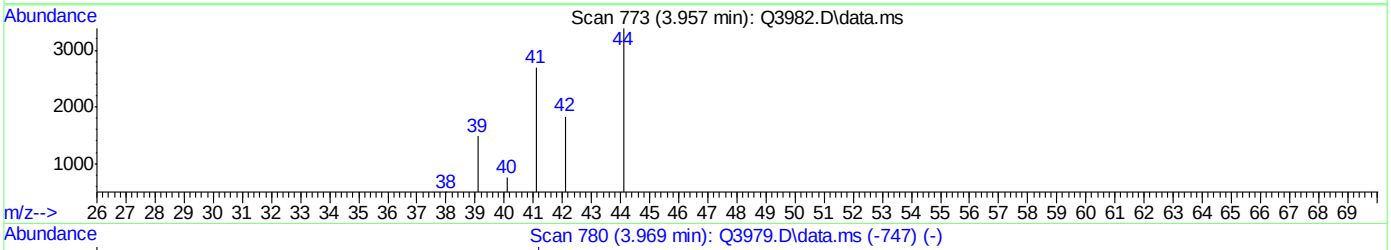


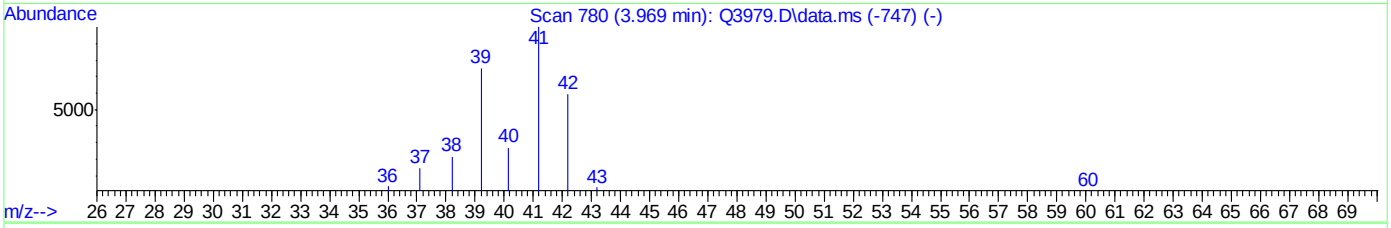
Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\
Data File : Q3982.D
Acq On : 16 Jul 2007 8:26 pm
Operator : danat
Sample : ic214-0.5 (M210)
Misc : MS13893, MSQ214,,,,,1
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Jul 17 08:18:32 2007
Quant Method : C:\msdchem\1\METHODS\Q071607T.m
Quant Title : TO15 by GCMS w/DB-1 60 m X .25 mm ID 1.0 um
QLast Update : Tue Jul 17 08:18:23 2007
Response via : Initial Calibration







TIC: Q3982.D\data.ms

(3) PROPYLENE (m)

3.957min (-0.012) 0.19PPBV

response 2110

Ion	Exp%	Act%
41.00	100	100
39.00	75.10	55.29
42.00	59.30	68.24
0.00	0.00	0.00

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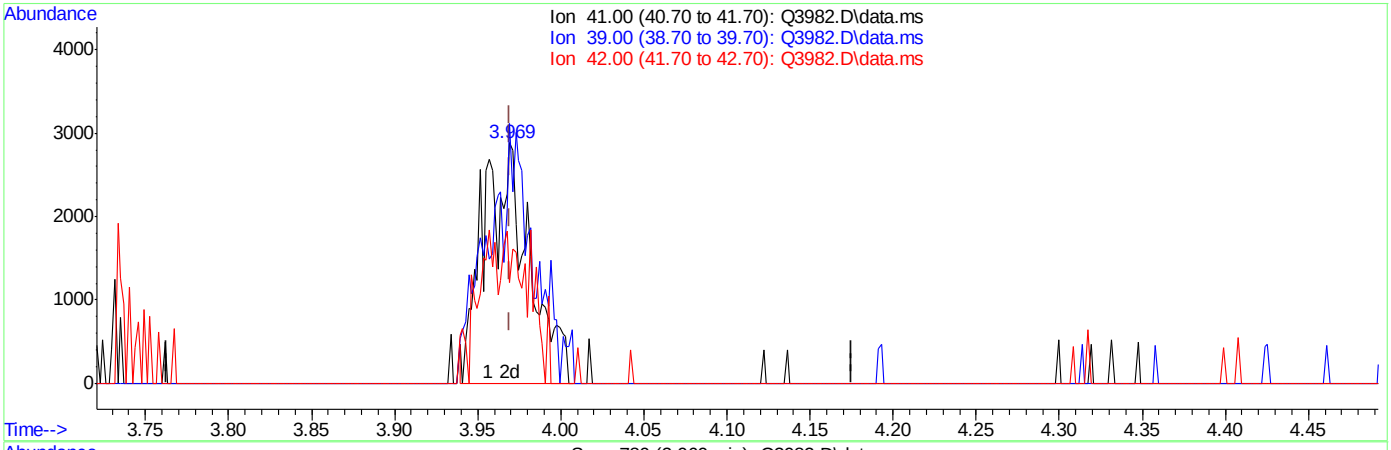
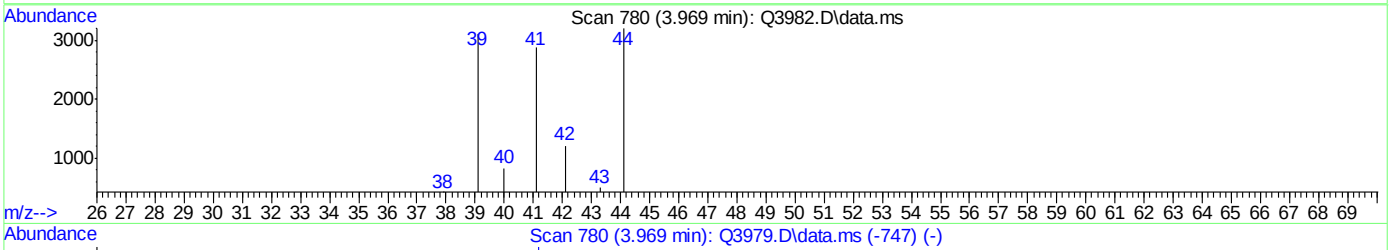
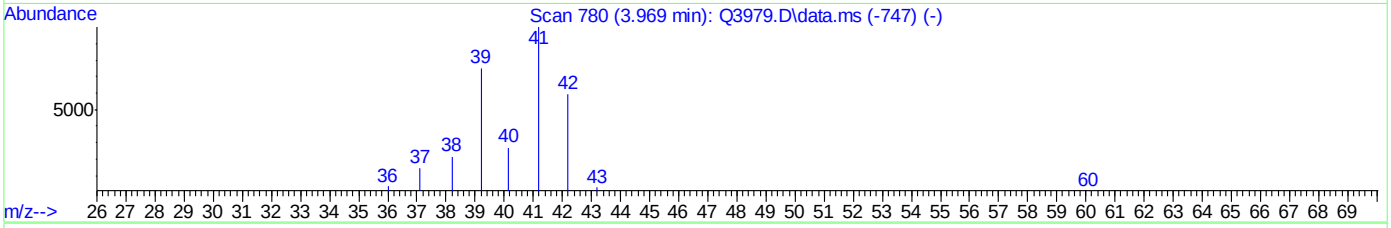
Quantitation Report (Qedit)

```
Data Path : C:\msdchem\1\DATA\
Data File : Q3982.D
Acq On    : 16 Jul 2007   8:26 pm
Operator  : danat
Sample    : ic214-0.5 (M210)
Misc      : MS13893, MSQ214,,,,,1
ALS Vial  : 1   Sample Multiplier: 1

Quant Time: Jul 17 08:18:32 2007
Quant Method : C:\msdchem\1\METHODS\Q071607T.m
Quant Title  : TO15  by GCMS w/DB-1 60 m X .25 mm ID 1.0 um
QLast Update : Tue Jul 17 08:18:23 2007
Response via : Initial Calibration
```





TIC: Q3982.D\data.ms

(3) PROPYLENE (m)

3.969min (+0.000) 0.49PPBV m

response 5450

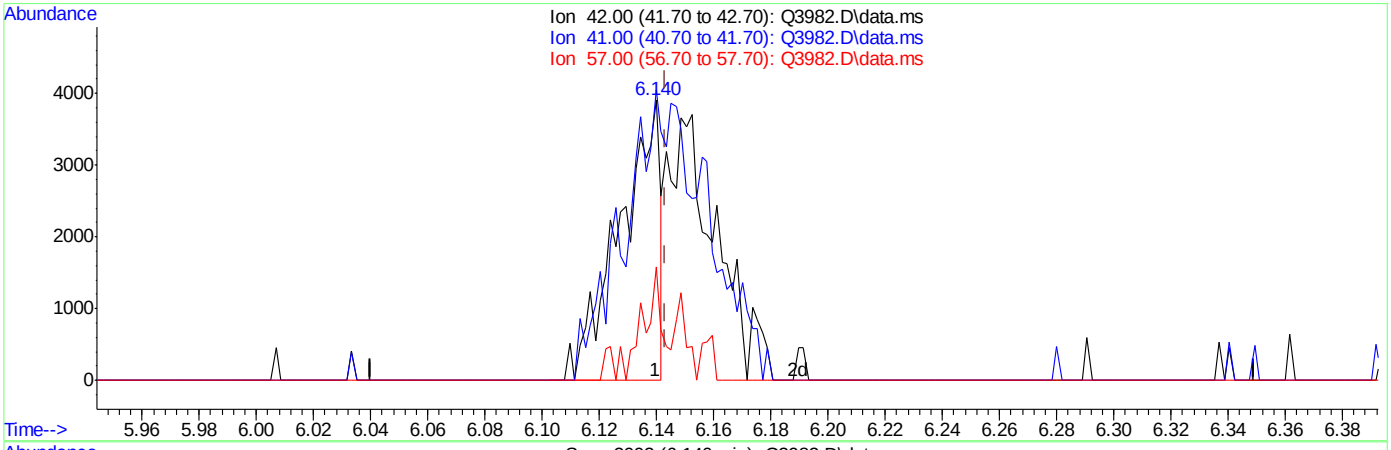
Ion	Exp%	Act%
41.00	100	100
39.00	75.10	108.01#
42.00	59.30	41.83
0.00	0.00	0.00

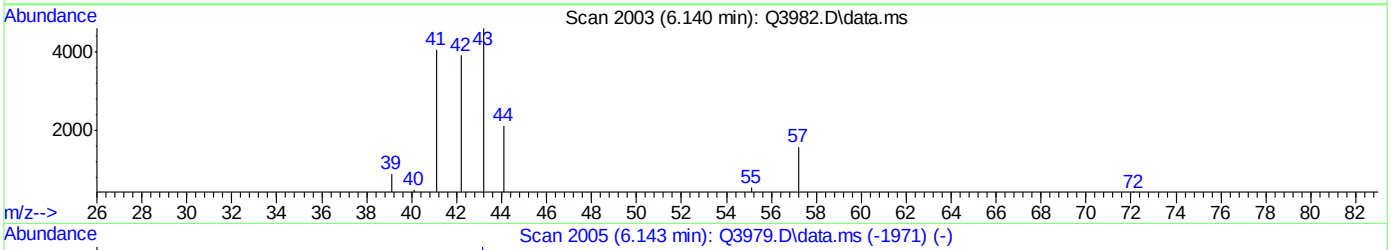
ACCUTEST Laboratories M66801

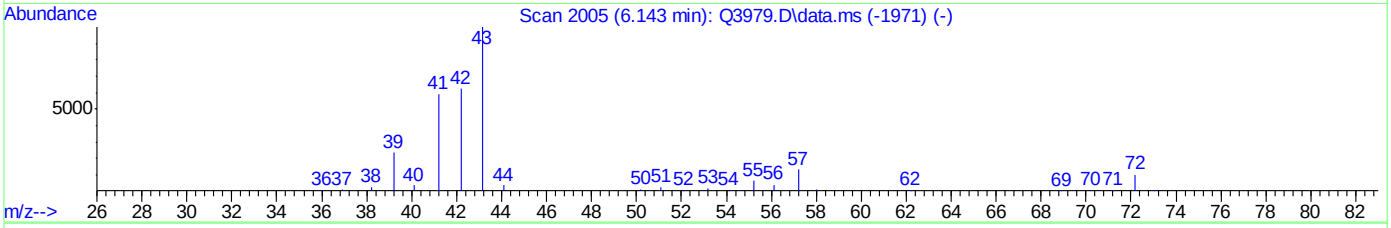
Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\
Data File : Q3982.D
Acq On : 16 Jul 2007 8:26 pm
Operator : danat
Sample : ic214-0.5 (M210)
Misc : MS13893, MSQ214,,,,,1
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Jul 17 08:18:32 2007
Quant Method : C:\msdchem\1\METHODS\Q071607T.m
Quant Title : TO15 by GCMS w/DB-1 60 m X .25 mm ID 1.0 um
QLast Update : Tue Jul 17 08:18:23 2007
Response via : Initial Calibration







TIC: Q3982.D\data.ms

(13) PENTANE (m)

6.140min (-0.003) 0.28PPBV

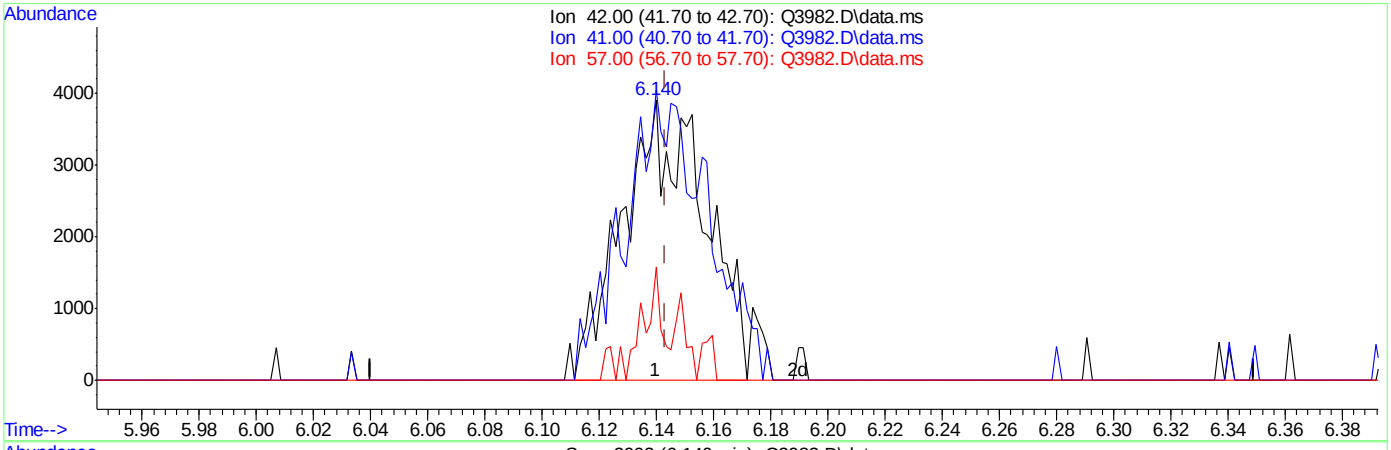
response 3846

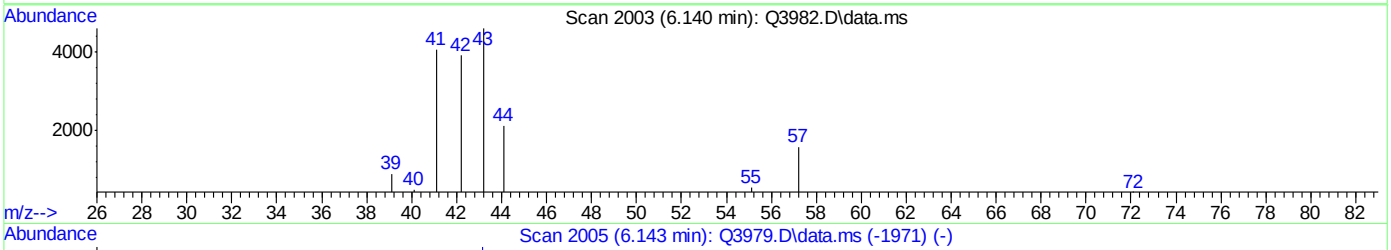
Ion	Exp%	Act%
42.00	100	100
41.00	102.30	212.17#
57.00	25.00	22.02
0.00	0.00	0.00

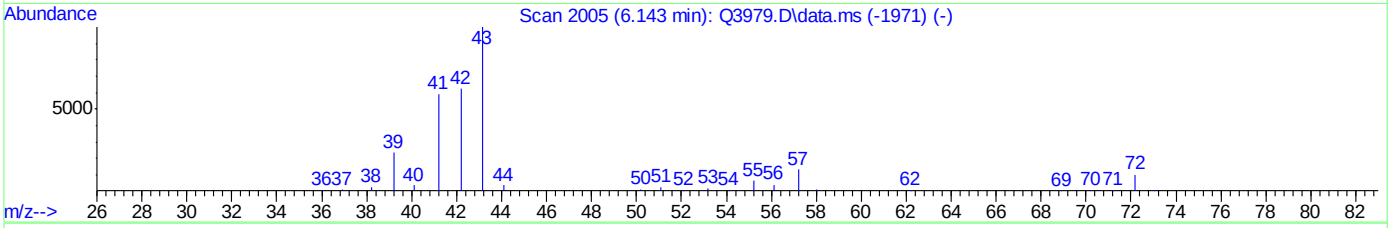
Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\
Data File : Q3982.D
Acq On : 16 Jul 2007 8:26 pm
Operator : danat
Sample : ic214-0.5 (M210)
Misc : MS13893, MSQ214,,,,,1
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Jul 17 08:18:32 2007
Quant Method : C:\msdchem\1\METHODS\Q071607T.m
Quant Title : TO15 by GCMS w/DB-1 60 m X .25 mm ID 1.0 um
QLast Update : Tue Jul 17 08:18:23 2007
Response via : Initial Calibration







TIC: Q3982.D\data.ms

(13) PENTANE (m)

6.140min (-0.003) 0.56PPBV m

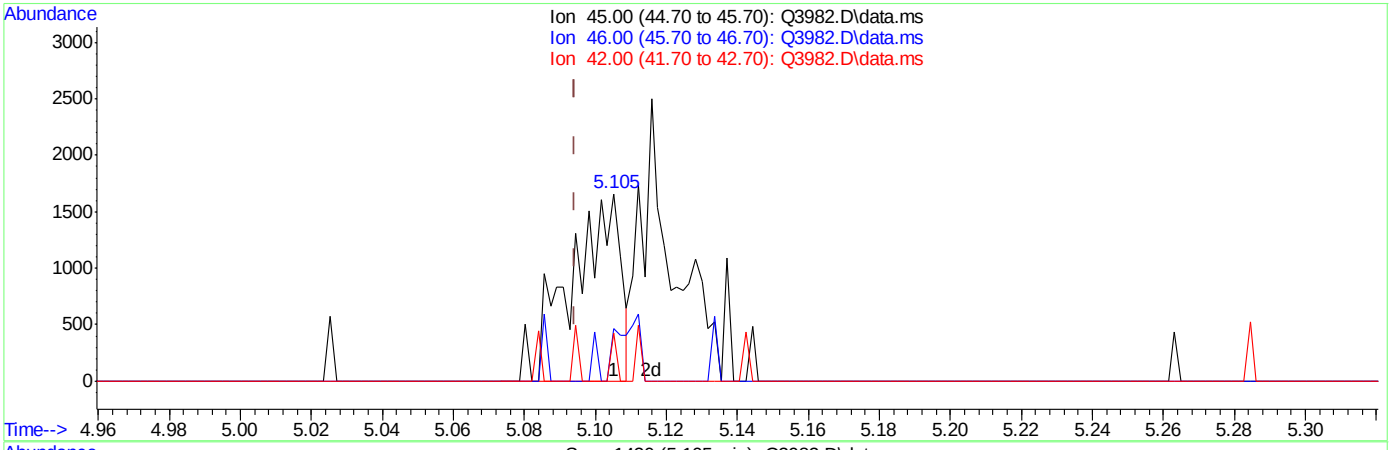
response 7782

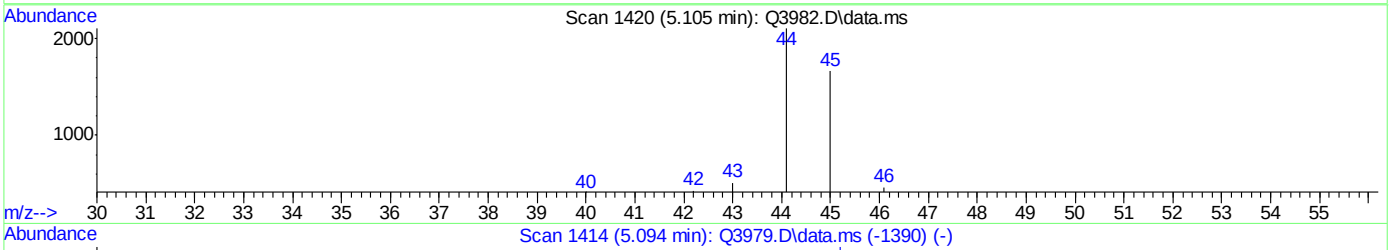
Ion	Exp%	Act%
42.00	100	100
41.00	102.30	104.86
57.00	25.00	10.88
0.00	0.00	0.00

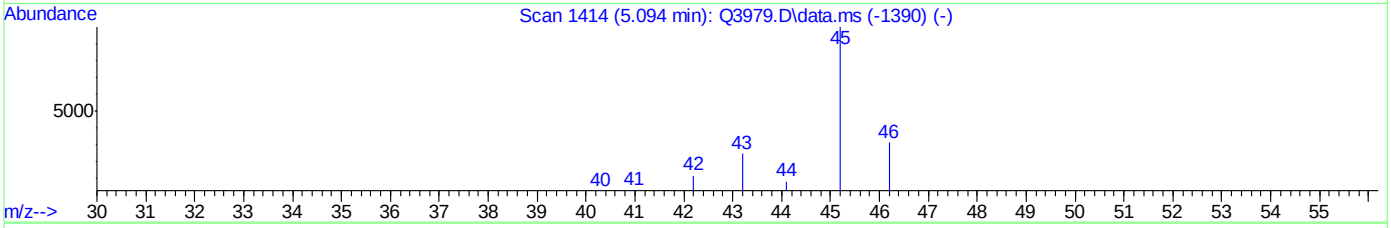
Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\
Data File : Q3982.D
Acq On : 16 Jul 2007 8:26 pm
Operator : danat
Sample : ic214-0.5 (M210)
Misc : MS13893, MSQ214,,,,,1
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Jul 17 08:18:32 2007
Quant Method : C:\msdchem\1\METHODS\Q071607T.m
Quant Title : TO15 by GCMS w/DB-1 60 m X .25 mm ID 1.0 um
QLast Update : Tue Jul 17 08:18:23 2007
Response via : Initial Calibration







TIC: Q3982.D\data.ms

(16) ETHANOL (m)

5.105min (+0.011) 0.37PPBV

response 1592

Ion	Exp%	Act%
45.00	100	100
46.00	33.80	0.00#
42.00	5.90	2.89
0.00	0.00	0.00

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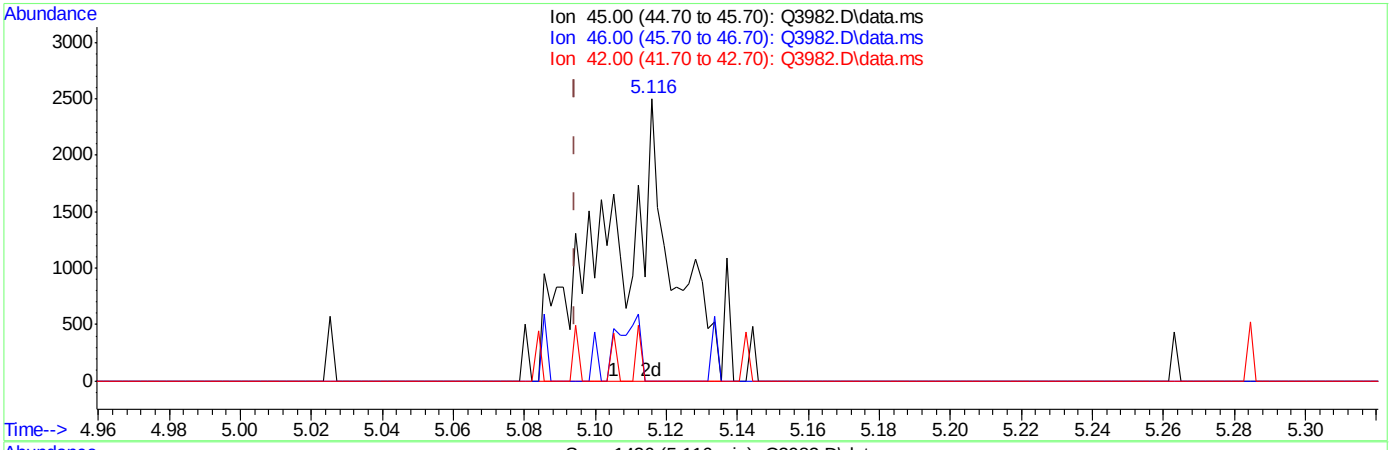
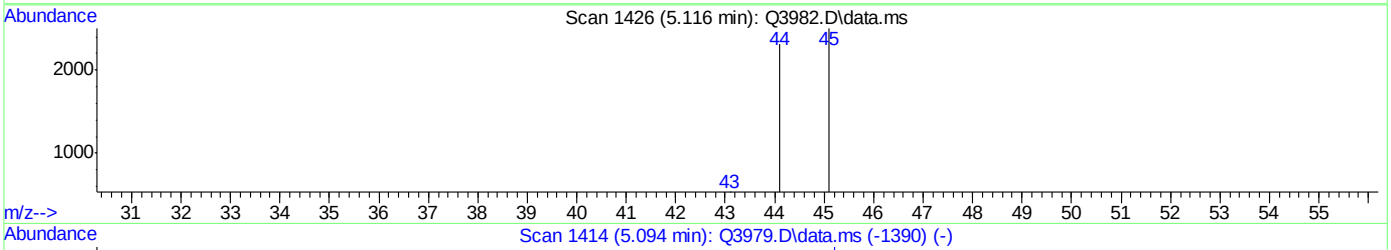
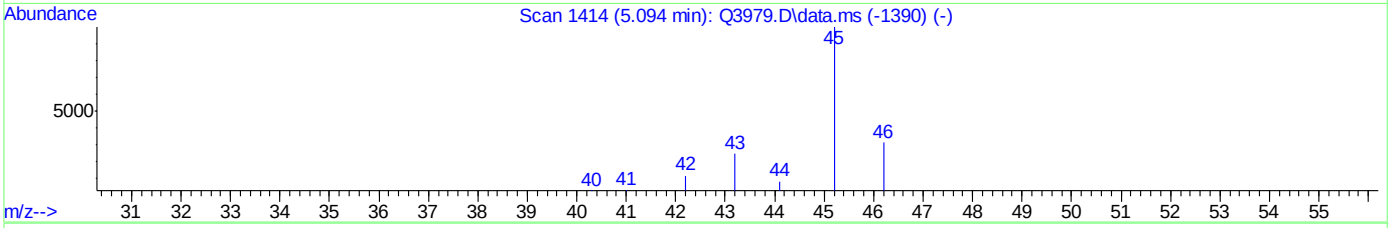
Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\
Data File : Q3982.D
Acq On : 16 Jul 2007 8:26 pm
Operator : danat
Sample : ic214-0.5 (M210)
Misc : MS13893, MSQ214,,,,,1
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Jul 17 08:18:32 2007
Quant Method : C:\msdchem\1\METHODS\Q071607T.m
Quant Title : TO15 by GCMS w/DB-1 60 m X .25 mm ID 1.0 um
QLast Update : Tue Jul 17 08:18:23 2007
Response via : Initial Calibration







TIC: Q3982.D\data.ms

(16) ETHANOL (m)

5.116min (+0.021) 0.72PPBV m

response 3143

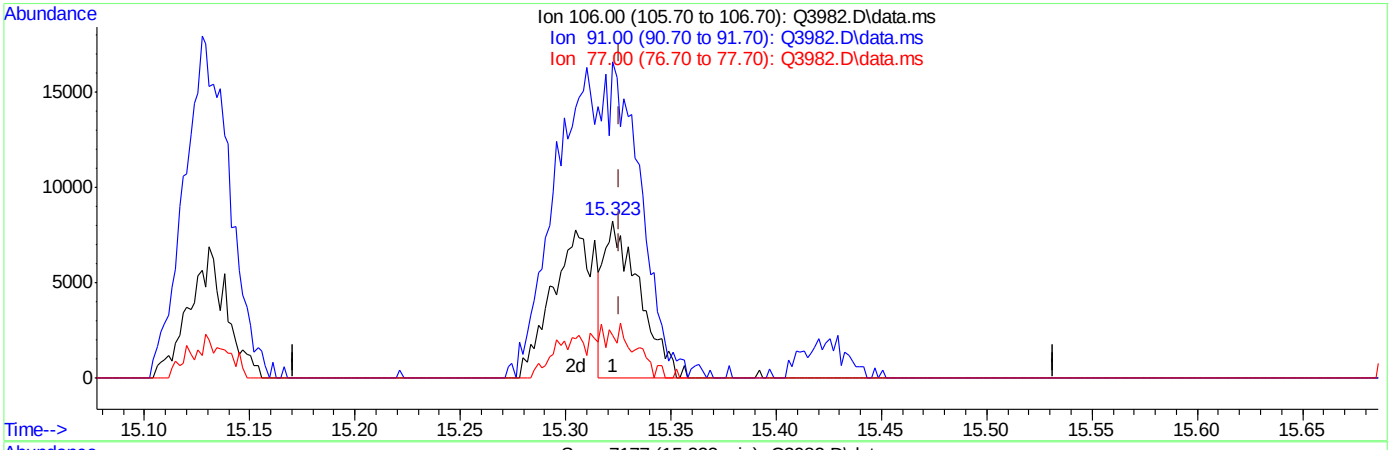
Ion	Exp%	Act%
45.00	100	100
46.00	33.80	0.00#
42.00	5.90	1.46
0.00	0.00	0.00

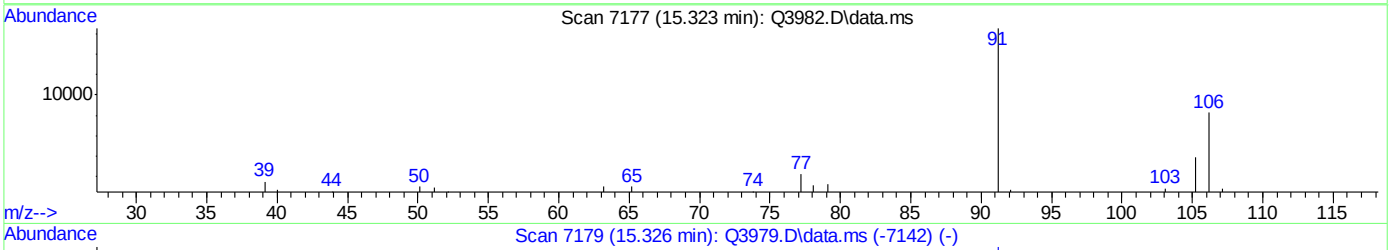
ACCUTEST Laboratories M66801

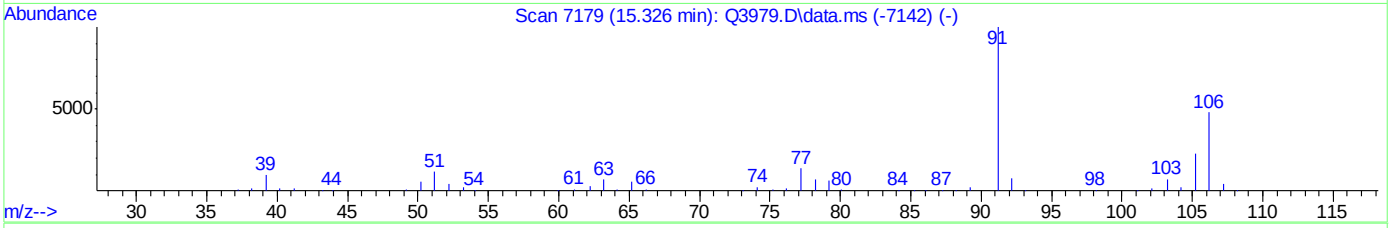
Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\
Data File : Q3982.D
Acq On : 16 Jul 2007 8:26 pm
Operator : danat
Sample : ic214-0.5 (M210)
Misc : MS13893, MSQ214,,,,,1
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Jul 17 08:18:32 2007
Quant Method : C:\msdchem\1\METHODS\Q071607T.m
Quant Title : TO15 by GCMS w/DB-1 60 m X .25 mm ID 1.0 um
QLast Update : Tue Jul 17 08:18:23 2007
Response via : Initial Calibration







TIC: Q3982.D\data.ms

(56) m,p-XYLENE (m)

15.323min (-0.003) 0.37PPBV

response 9643

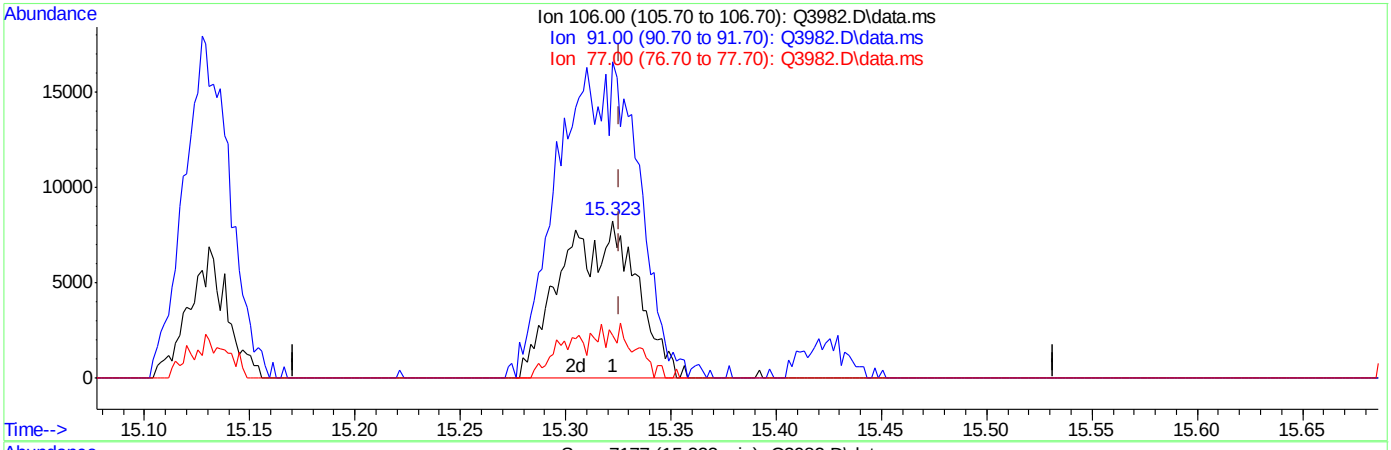
Ion	Exp%	Act%
106.00	100	100
91.00	209.40	200.63
77.00	28.30	26.84
0.00	0.00	0.00

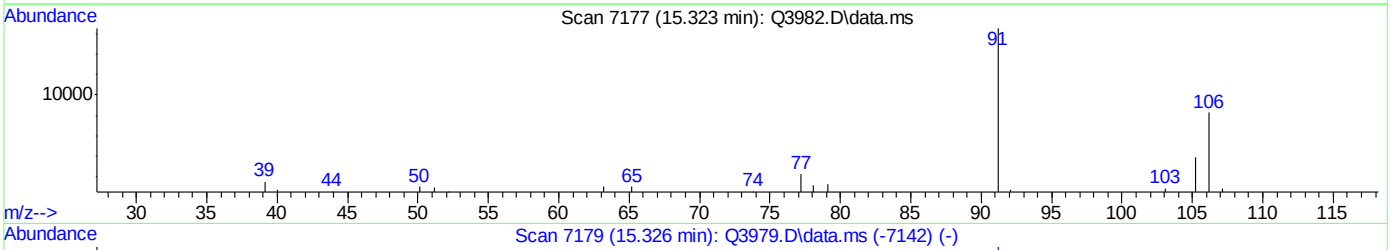
ACCUTEST Laboratories M66801

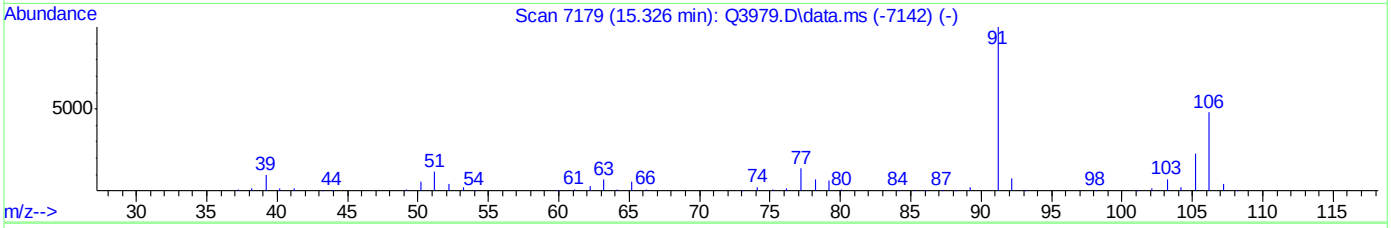
Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\
Data File : Q3982.D
Acq On : 16 Jul 2007 8:26 pm
Operator : danat
Sample : ic214-0.5 (M210)
Misc : MS13893, MSQ214,,,,,1
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Jul 17 08:18:32 2007
Quant Method : C:\msdchem\1\METHODS\Q071607T.m
Quant Title : TO15 by GCMS w/DB-1 60 m X .25 mm ID 1.0 um
QLast Update : Tue Jul 17 08:18:23 2007
Response via : Initial Calibration







TIC: Q3982.D\data.ms

(56) m,p-XYLENE (m)

15.323min (-0.003) 0.78PPBV m

response 20206

Ion	Exp%	Act%
106.00	100	100
91.00	209.40	200.63
77.00	28.30	26.84
0.00	0.00	0.00

Q3983.D

Manual Integrations APPROVED (compounds with "m" flag)

Philip Bassignani 07/18/07 19:08

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\
Data File : Q3983.D
Acq On : 16 Jul 2007 9:09 pm
Operator : danat
Sample : ic214-0.2 (M210)
Misc : MS13893, MSQ214,,,,,1
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Jul 17 08:24:58 2007
Quant Method : C:\msdchem\1\METHODS\Q071607T.m
Quant Title : TO15 by GCMS w/DB-1 60 m X .25 mm ID 1.0 um
QLast Update : Tue Jul 17 08:21:05 2007
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) BROMOCHLOROMETHANE	8.633	128	189375	10.00	PPBV	0.00
35) 1,4-DIFLUOROBENZENE	10.463	114	853254	10.00	PPBV	0.00
49) CHLOROBENZENE-D5	14.705	117	728923	10.00	PPBV	0.00

System Monitoring Compounds

61) 4-BROMOFLUOROBENZENE	16.325	95	249172	4.60	PPBV	0.00

Spiked Amount 5.000 Range 57 - 139 Recovery = 92.00%

Target Compounds						Qvalue
2) DICHLORODIFLUOROMETHANE	4.040	85	15158	0.24	PPBV	96
3) PROPYLENE	3.959	41	1169	0.11	PPBV #	73
4) FREON 114	4.292	85	14083	0.25	PPBV	94
5) CHLOROMETHANE	4.196	50	3033	0.22	PPBV	82
6) VINYL CHLORIDE	4.429	62	3554	0.22	PPBV #	69
7) 1,3-BUTADIENE	4.557	39	2711	0.21	PPBV #	75
8) BROMOMETHANE	4.830	94	3665	0.20	PPBV	85
9) CHLOROETHANE	5.006	64	645	0.09	PPBV #	59
10) TRICHLOROFLUOROMETHANE	5.792	101	14776	0.24	PPBV	95
11) ISOPROPYL ALCOHOL	5.843	45	10622	0.42	PPBV	91
12) ACETONE	5.618	43	12921	0.47	PPBV	90
13) PENTANE	6.149	42	2787	0.20	PPBV #	73
14) 1,1-DICHLOROETHYLENE	6.417	96	3686m	0.21	PPBV	
15) CARBON DISULFIDE	6.862	76	9183	0.21	PPBV	83
16) ETHANOL	5.119	45	1154	0.26	PPBV	81
17) BROMOETHENE	5.371	106	3595	0.20	PPBV #	92
18) METHYLENE CHLORIDE	6.536	84	12336	0.52	PPBV	99
19) 3-CHLOROPROPENE	6.669	39	2636	0.20	PPBV #	78
20) FREON 113	6.797	151	11718	0.28	PPBV	99
21) TRANS-1,2-DICHLOROETHY...	7.471	96	3825	0.23	PPBV #	75
22) TERTIARY BUTYL ALCOHOL	6.461	59	5983m	0.20	PPBV	
23) METHYL TERTIARY BUTYL ...	7.725	73	8383	0.22	PPBV	84
24) TETRAHYDROFURAN	9.168	42	2015	0.17	PPBV #	45
25) HEXANE	8.662	57	10987	0.41	PPBV	91
26) VINYL ACETATE	7.792	43	6568	0.24	PPBV #	17
27) 1,1-DICHLOROETHANE	7.659	63	5973m	0.22	PPBV	
28) METHYL ETHYL KETONE	8.042	43	5888	0.24	PPBV	85
29) cis-1,2-DICHLOROETHYLENE	8.479	96	2919	0.19	PPBV #	79
30) ETHYL ACETATE	8.674	43	14102	0.30	PPBV #	94
31) CHLOROFORM	8.752	83	7944	0.21	PPBV	94
32) 1,1,1-TRICHLOROETHANE	9.720	97	8026	0.21	PPBV	97
33) CARBON TETRACHLORIDE	10.291	117	9029	0.20	PPBV	100
34) 1,2-DICHLOROETHANE	9.462	62	4293	0.19	PPBV	97
36) BENZENE	10.146	78	7594	0.19	PPBV	93
37) CYCLOHEXANE	10.419	84	3091	0.18	PPBV	90
38) TRICHLOROETHYLENE	11.143	95	4469	0.20	PPBV #	38
39) 1,2-DICHLOROPROPANE	10.925	63	2041	0.15	PPBV #	76
40) BROMODICHLOROMETHANE	11.111	83	6385	0.18	PPBV	97
41) 2,2,4-TRIMETHYLPENTANE	11.168	57	10369	0.17	PPBV	72
42) 1,4-DIOXANE	11.168	88	1460	0.19	PPBV #	1
43) HEPTANE	11.406	43	3925	0.17	PPBV	89

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\
Data File : Q3983.D
Acq On : 16 Jul 2007 9:09 pm
Operator : danat
Sample : ic214-0.2 (M210)
Misc : MS13893, MSQ214,,,,,1
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Jul 17 08:24:58 2007
Quant Method : C:\msdchem\1\METHODS\Q071607T.m
Quant Title : TO15 by GCMS w/DB-1 60 m X .25 mm ID 1.0 um
QLast Update : Tue Jul 17 08:21:05 2007
Response via : Initial Calibration

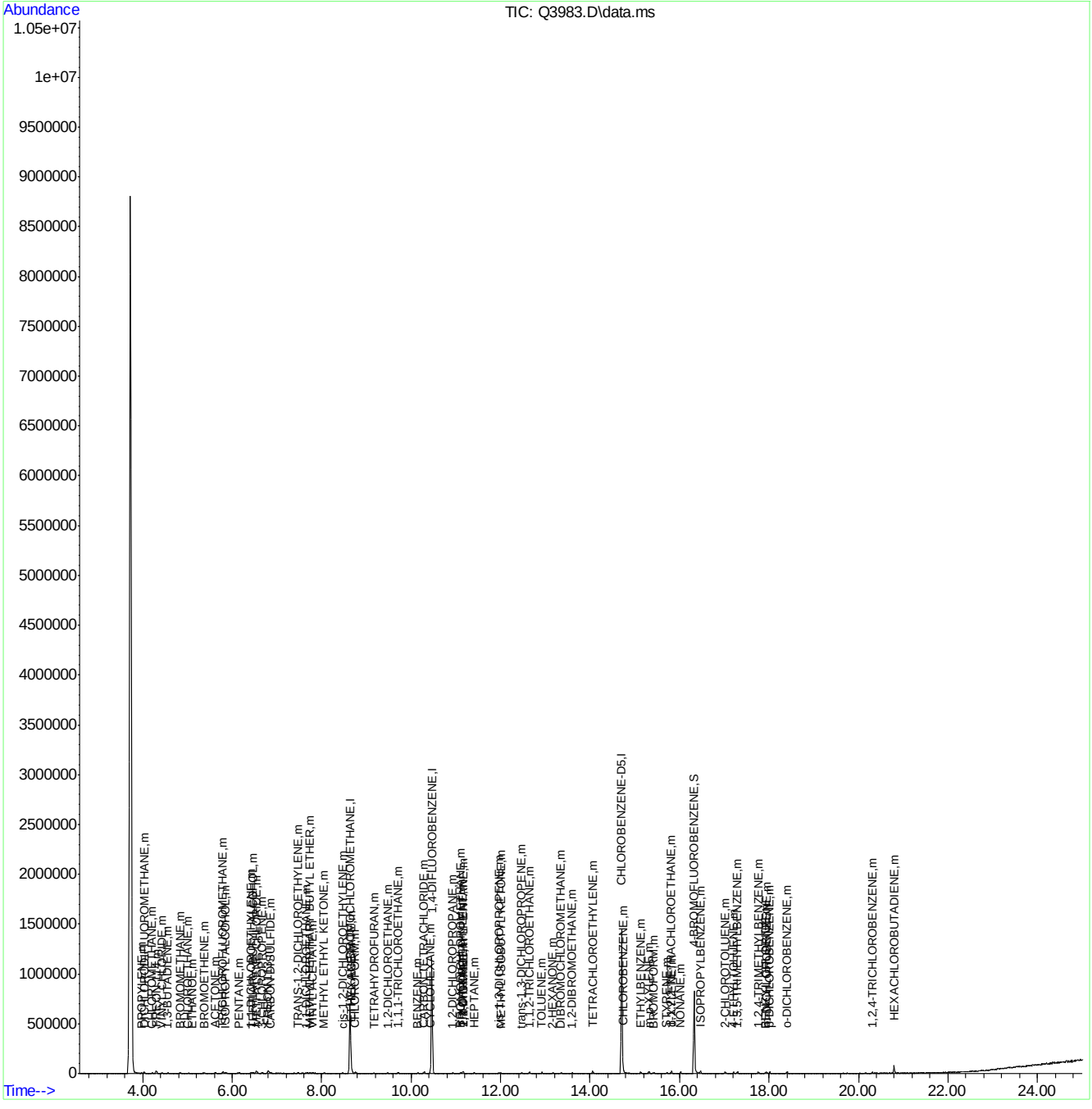
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) METHYL ISOBUTYL KETONE	11.993	43	5126	0.18	PPBV	79
45) cis-1,3-DICHLOROPROPENE	11.966	75	3767	0.18	PPBV	89
46) TOLUENE	12.921	92	5790	0.20	PPBV	92
47) trans-1,3-DICHLOROPROPENE	12.469	75	2850	0.15	PPBV #	38
48) 1,1,2-TRICHLOROETHANE	12.644	83	2707	0.18	PPBV	96
50) 2-HEXANONE	13.156	43	4158	0.17	PPBV #	84
51) TETRACHLOROETHYLENE	14.062	164	4484	0.18	PPBV	92
52) DIBROMOCHLOROMETHANE	13.349	129	5802	0.17	PPBV #	26
53) 1,2-DIBROMOETHANE	13.603	107	5192	0.19	PPBV #	99
54) CHLOROBENZENE	14.753	112	7577	0.20	PPBV	95
55) ETHYLBENZENE	15.127	91	10377	0.17	PPBV	84
56) m,p-XYLENE	15.323	106	7451m	0.31	PPBV	
57) o-XYLENE	15.816	106	3837	0.16	PPBV	95
58) STYRENE	15.709	104	4746	0.14	PPBV	97
59) NONANE	16.022	43	4824	0.16	PPBV #	90
60) BROMOFORM	15.429	173	4552	0.14	PPBV	94
62) 1,1,2,2-TETRACHLOROETHANE	15.807	83	7277	0.20	PPBV	97
63) ISOPROPYLBENZENE	16.464	105	12622	0.17	PPBV	95
64) 2-CHLOROTOLUENE	17.016	91	9048	0.17	PPBV	75
65) 4-ETHYLTOLUENE	17.207	105	10144m	0.15	PPBV	
66) 1,3,5-TRIMETHYLBENZENE	17.293	105	10773	0.17	PPBV	89
67) 1,2,4-TRIMETHYLBENZENE	17.759	105	8767	0.15	PPBV	95
68) m-DICHLOROBENZENE	17.939	146	7327	0.18	PPBV	99
69) BENZYL CHLORIDE	17.914	91	3234	0.10	PPBV	83
70) p-DICHLOROBENZENE	18.020	146	7266	0.19	PPBV	94
71) o-DICHLOROBENZENE	18.404	146	7410	0.19	PPBV	95
72) HEXACHLOROBUTADIENE	20.796	225	12574	0.45	PPBV	95
73) 1,2,4-TRICHLOROBENZENE	20.311	180	4294	0.27	PPBV	88

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

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\
Data File : Q3983.D
Acq On : 16 Jul 2007 9:09 pm
Operator : danat
Sample : ic214-0.2 (M210)
Misc : MS13893, MSQ214,,,,,1
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Jul 17 08:24:58 2007
Quant Method : C:\msdchem\1\METHODS\Q071607T.m
Quant Title : TO15 by GCMS w/DB-1 60 m X .25 mm ID 1.0 um
QLast Update : Tue Jul 17 08:21:05 2007
Response via : Initial Calibration

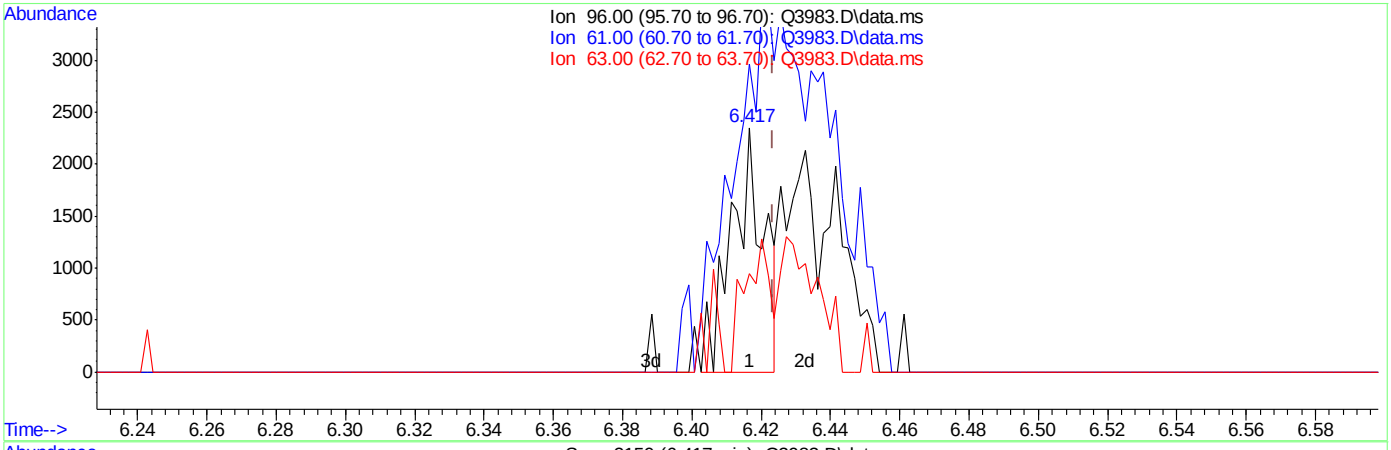


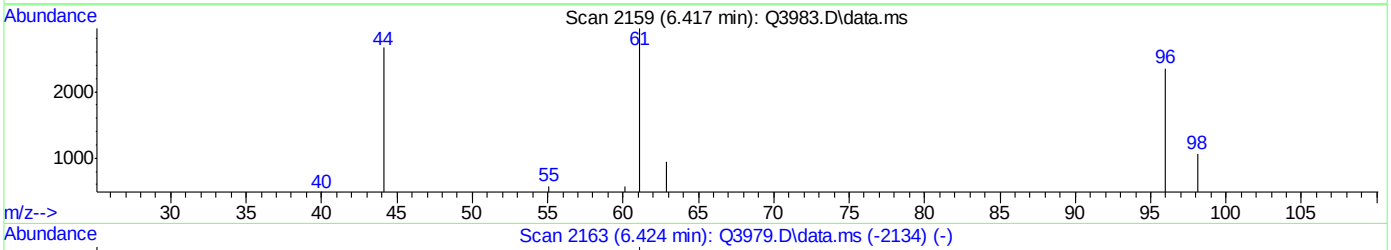
ACCUTEST Laboratories M66801

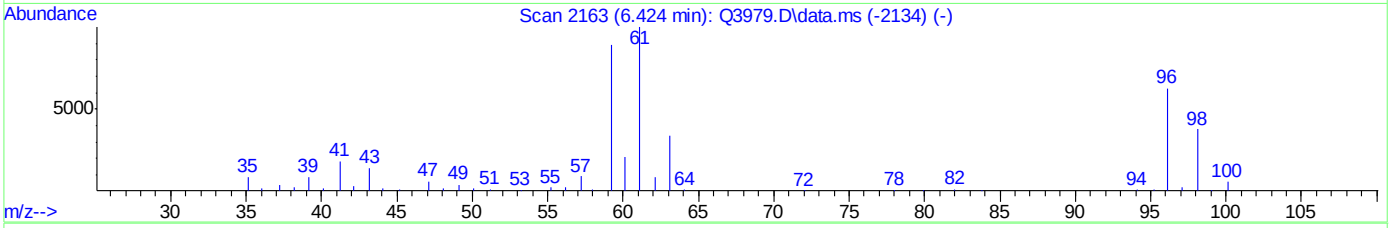
Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\
Data File : Q3983.D
Acq On : 16 Jul 2007 9:09 pm
Operator : danat
Sample : ic214-0.2 (M210)
Misc : MS13893, MSQ214,,,,,1
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Jul 17 08:21:24 2007
Quant Method : C:\msdchem\1\METHODS\Q071607T.m
Quant Title : TO15 by GCMS w/DB-1 60 m X .25 mm ID 1.0 um
QLast Update : Tue Jul 17 08:21:05 2007
Response via : Initial Calibration







TIC: Q3983.D\data.ms

(14) 1,1-DICHLOROETHYLENE (m)

6.417min (-0.007) 0.09PPBV

response 1536

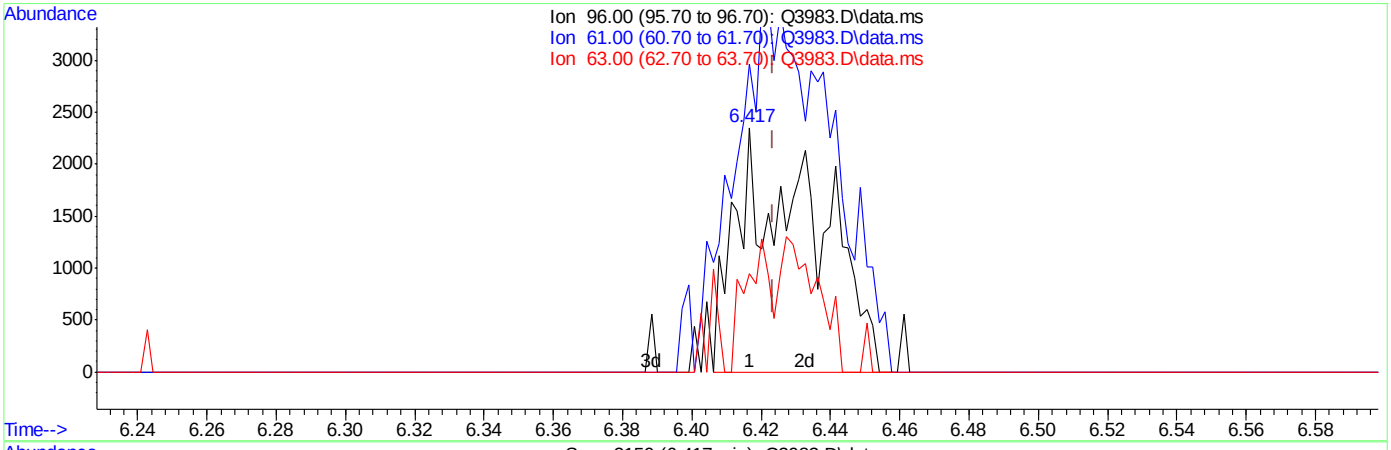
Ion	Exp%	Act%
96.00	100	100
61.00	168.60	458.46#
63.00	54.00	42.64
0.00	0.00	0.00

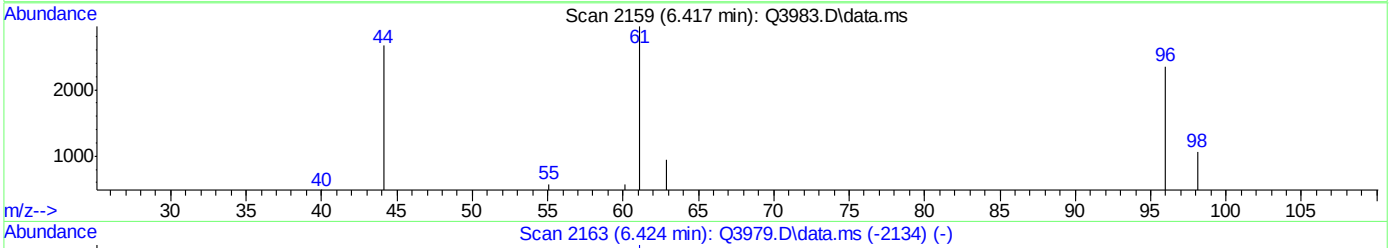
ACCUTEST Laboratories M66801

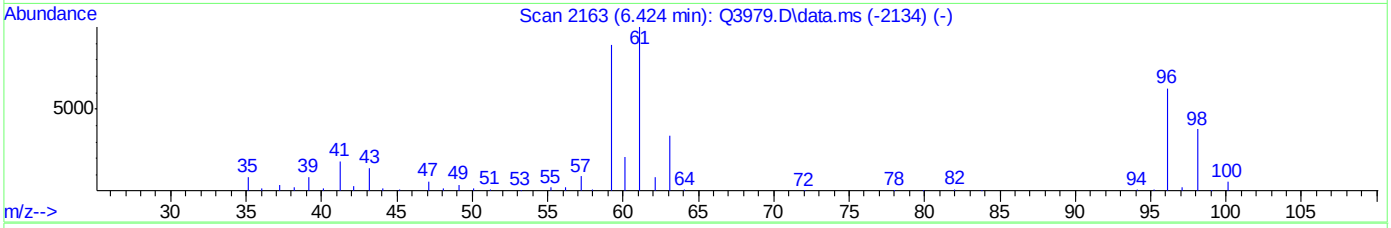
Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\
Data File : Q3983.D
Acq On : 16 Jul 2007 9:09 pm
Operator : danat
Sample : ic214-0.2 (M210)
Misc : MS13893, MSQ214,,,,,1
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Jul 17 08:21:24 2007
Quant Method : C:\msdchem\1\METHODS\Q071607T.m
Quant Title : TO15 by GCMS w/DB-1 60 m X .25 mm ID 1.0 um
QLast Update : Tue Jul 17 08:21:05 2007
Response via : Initial Calibration







TIC: Q3983.D\data.ms

(14) 1,1-DICHLOROETHYLENE (m)

6.417min (-0.007) 0.21PPBV m

response 3686

Ion	Exp%	Act%
96.00	100	100
61.00	168.60	191.05#
63.00	54.00	17.77#
0.00	0.00	0.00

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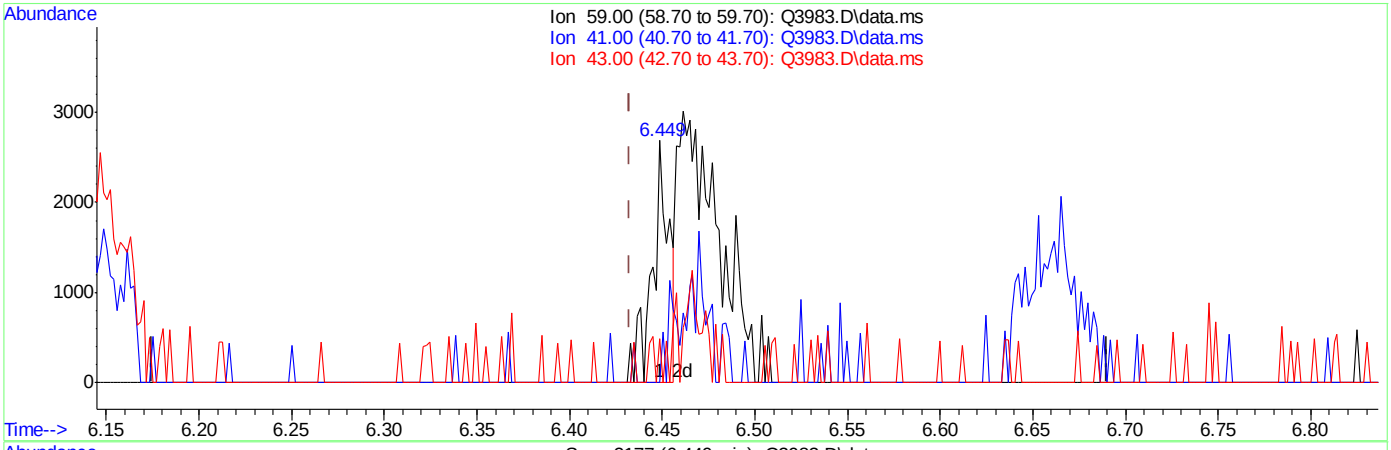
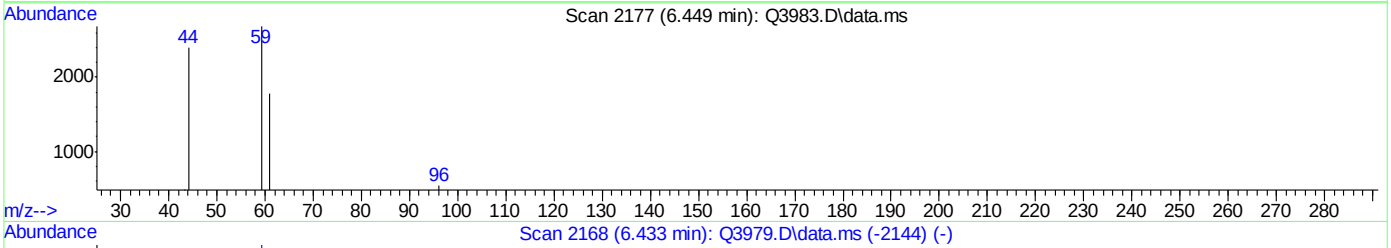
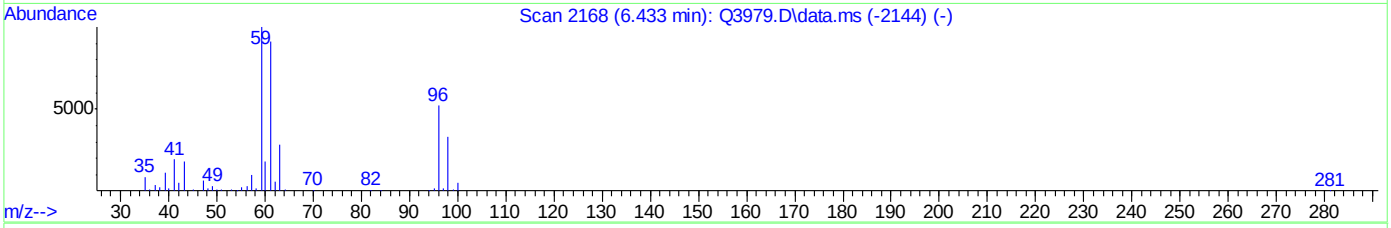
Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\
Data File : Q3983.D
Acq On : 16 Jul 2007 9:09 pm
Operator : danat
Sample : ic214-0.2 (M210)
Misc : MS13893, MSQ214,,,,,1
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Jul 17 08:21:24 2007
Quant Method : C:\msdchem\1\METHODS\Q071607T.m
Quant Title : TO15 by GCMS w/DB-1 60 m X .25 mm ID 1.0 um
QLast Update : Tue Jul 17 08:21:05 2007
Response via : Initial Calibration







TIC: Q3983.D\data.ms

(22) TERTIARY BUTYL ALCOHOL (m)

6.449min (+0.016) 0.06PPBV

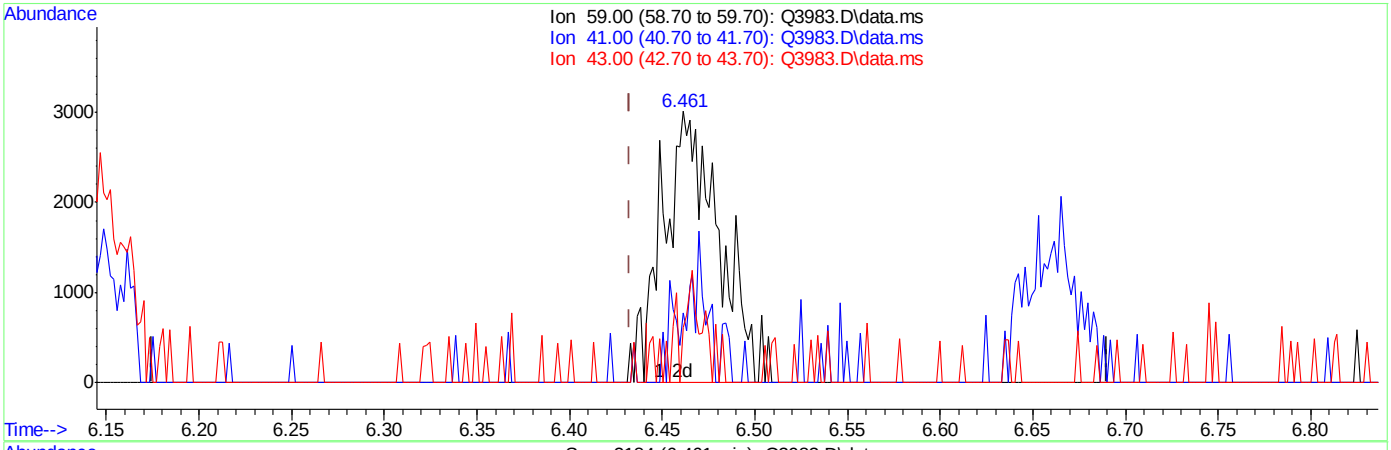
response 1658

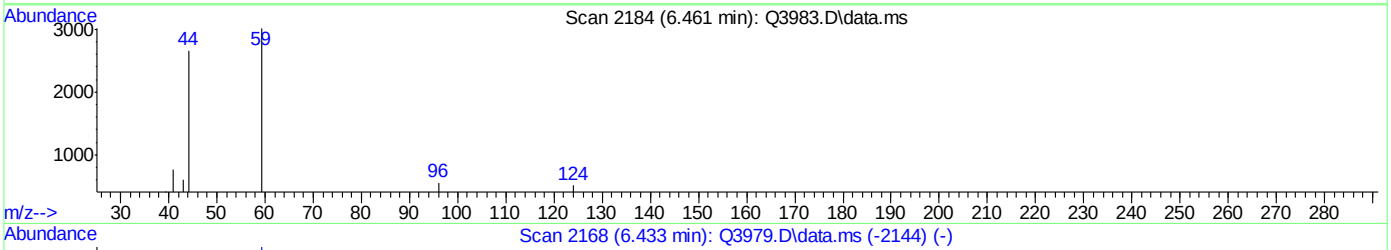
Ion	Exp%	Act%
59.00	100	100
41.00	20.70	0.00#
43.00	17.30	2.90
0.00	0.00	0.00

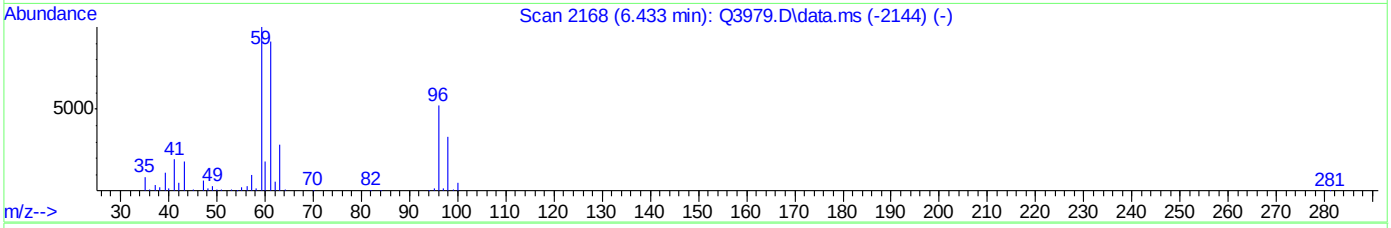
Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\
Data File : Q3983.D
Acq On : 16 Jul 2007 9:09 pm
Operator : danat
Sample : ic214-0.2 (M210)
Misc : MS13893, MSQ214,,,,,1
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Jul 17 08:21:24 2007
Quant Method : C:\msdchem\1\METHODS\Q071607T.m
Quant Title : TO15 by GCMS w/DB-1 60 m X .25 mm ID 1.0 um
QLast Update : Tue Jul 17 08:21:05 2007
Response via : Initial Calibration







TIC: Q3983.D\data.ms

(22) TERTIARY BUTYL ALCOHOL (m)

6.461min (+0.029) 0.20PPBV m

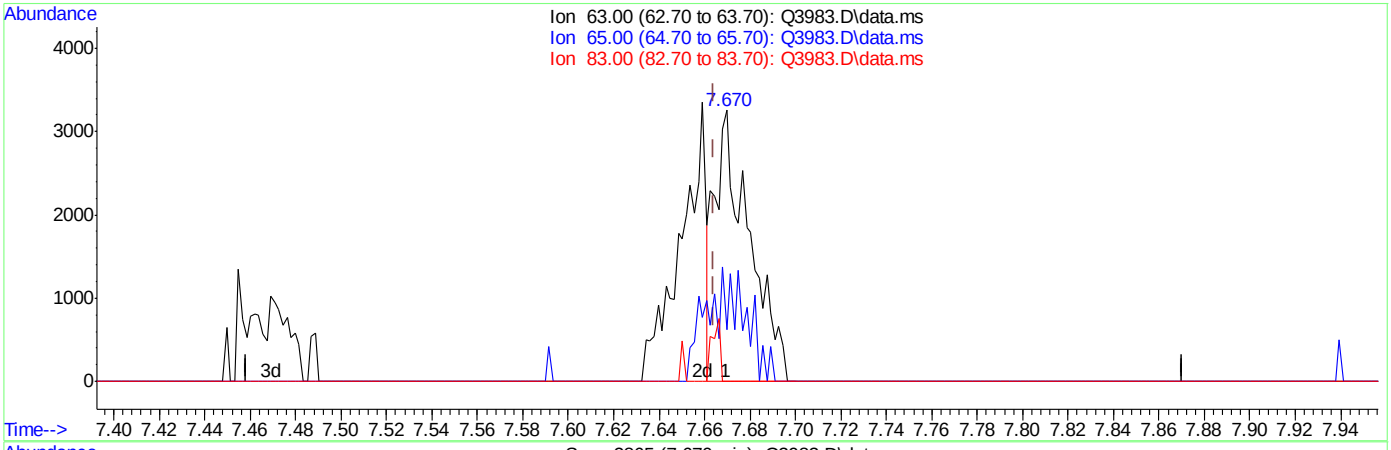
response 5983

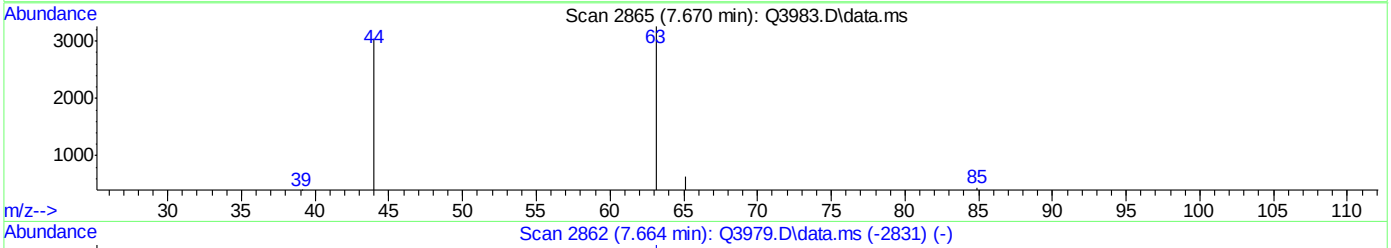
Ion	Exp%	Act%
59.00	100	100
41.00	20.70	0.00#
43.00	17.30	0.80
0.00	0.00	0.00

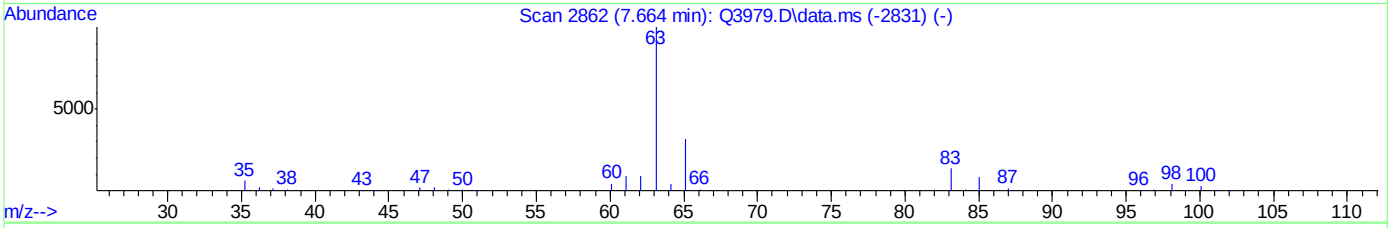
Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\
Data File : Q3983.D
Acq On : 16 Jul 2007 9:09 pm
Operator : danat
Sample : ic214-0.2 (M210)
Misc : MS13893, MSQ214,,,,,1
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Jul 17 08:21:24 2007
Quant Method : C:\msdchem\1\METHODS\Q071607T.m
Quant Title : TO15 by GCMS w/DB-1 60 m X .25 mm ID 1.0 um
QLast Update : Tue Jul 17 08:21:05 2007
Response via : Initial Calibration







TIC: Q3983.D\data.ms

(27) 1,1-DICHLOROETHANE (m)

7.670min (+0.005) 0.12PPBV

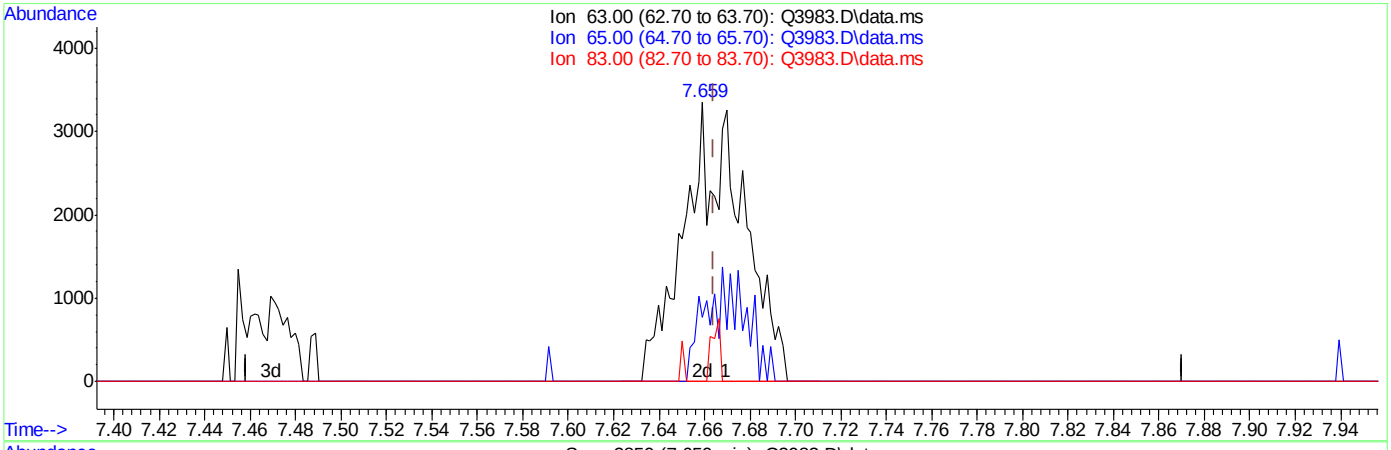
response 3451

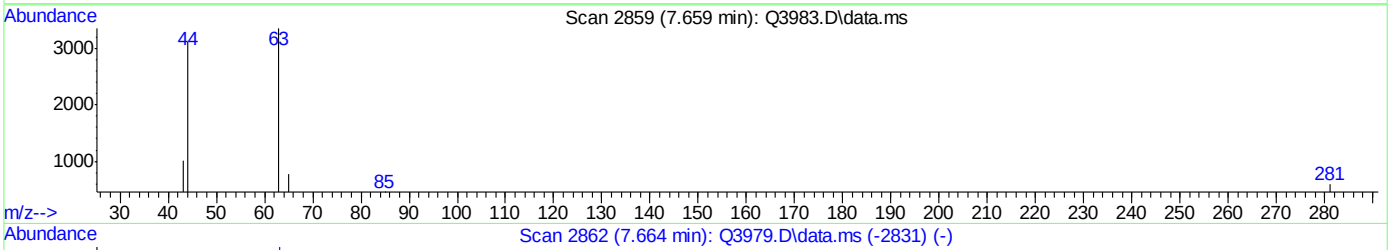
Ion	Exp%	Act%
63.00	100	100
65.00	31.70	46.10
83.00	15.00	5.56
0.00	0.00	0.00

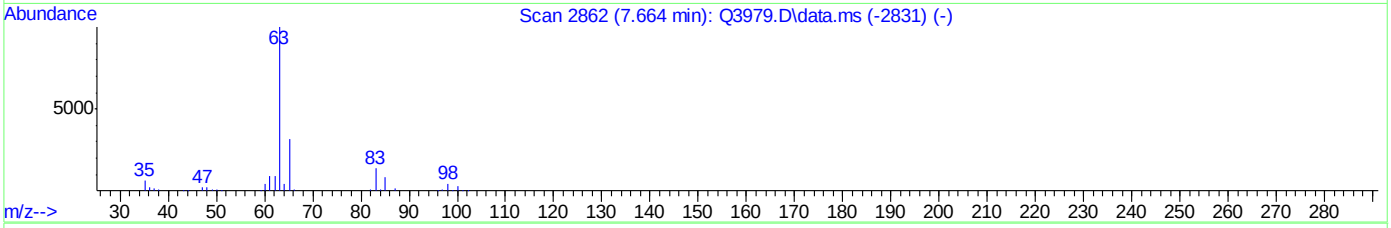
Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\
Data File : Q3983.D
Acq On : 16 Jul 2007 9:09 pm
Operator : danat
Sample : ic214-0.2 (M210)
Misc : MS13893, MSQ214,,,,,1
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Jul 17 08:21:24 2007
Quant Method : C:\msdchem\1\METHODS\Q071607T.m
Quant Title : TO15 by GCMS w/DB-1 60 m X .25 mm ID 1.0 um
QLast Update : Tue Jul 17 08:21:05 2007
Response via : Initial Calibration







TIC: Q3983.D\data.ms

(27) 1,1-DICHLOROETHANE (m)

7.659min (-0.005) 0.22PPBV m

response 5973

Ion	Exp%	Act%
63.00	100	100
65.00	31.70	26.64
83.00	15.00	3.21
0.00	0.00	0.00

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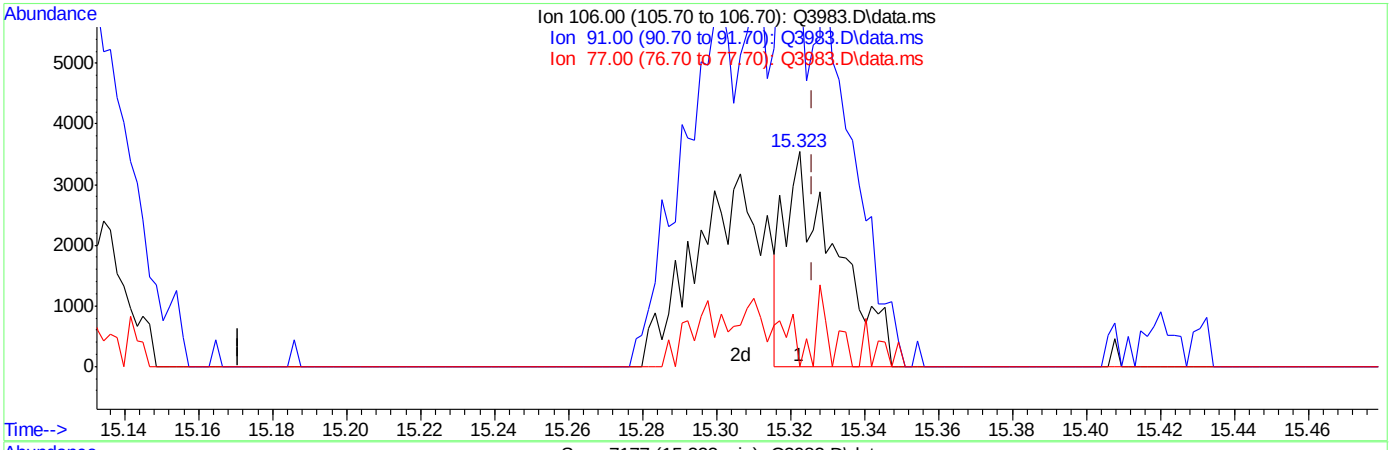
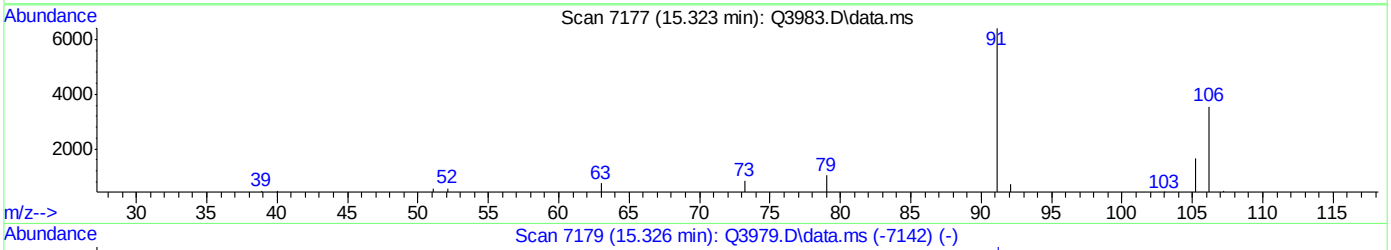
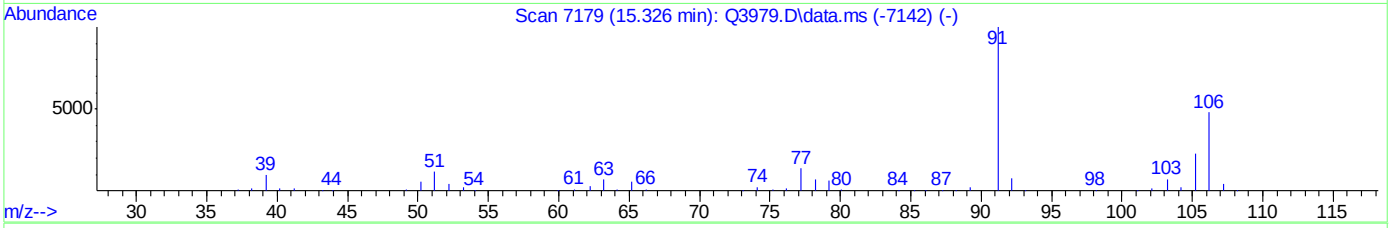
Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\
Data File : Q3983.D
Acq On : 16 Jul 2007 9:09 pm
Operator : danat
Sample : ic214-0.2 (M210)
Misc : MS13893, MSQ214,,,,,1
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Jul 17 08:21:24 2007
Quant Method : C:\msdchem\1\METHODS\Q071607T.m
Quant Title : TO15 by GCMS w/DB-1 60 m X .25 mm ID 1.0 um
QLast Update : Tue Jul 17 08:21:05 2007
Response via : Initial Calibration







TIC: Q3983.D\data.ms

(56) m,p-XYLENE (m)

15.323min (-0.003) 0.14PPBV

response 3422

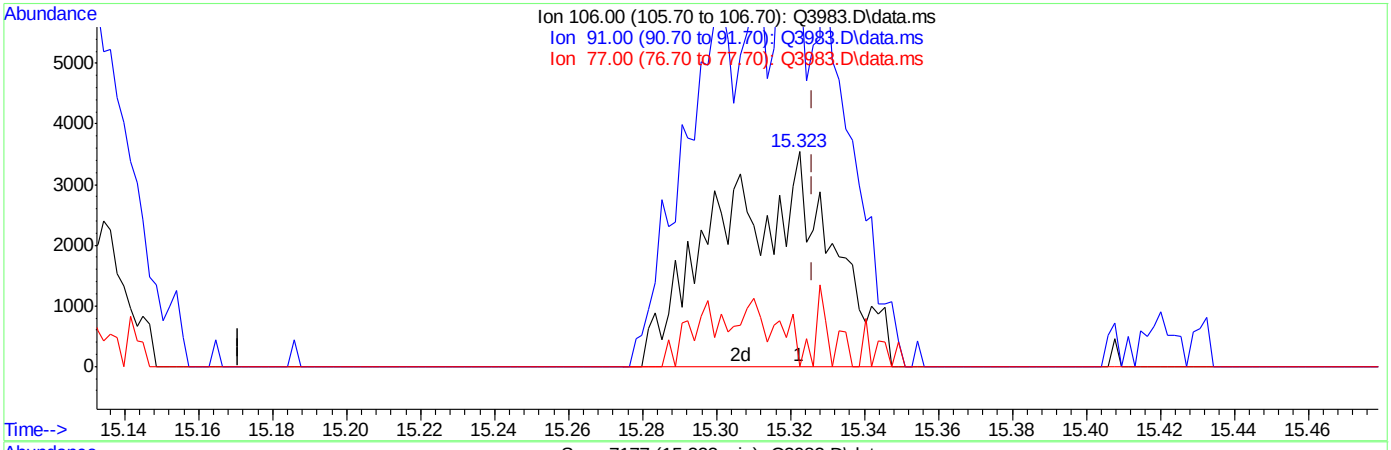
Ion	Exp%	Act%
106.00	100	100
91.00	209.40	180.76
77.00	28.30	0.00#
0.00	0.00	0.00

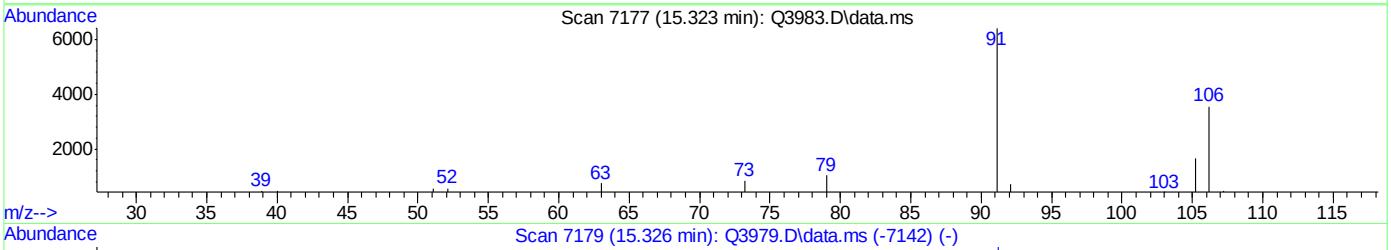
ACCUTEST Laboratories M66801

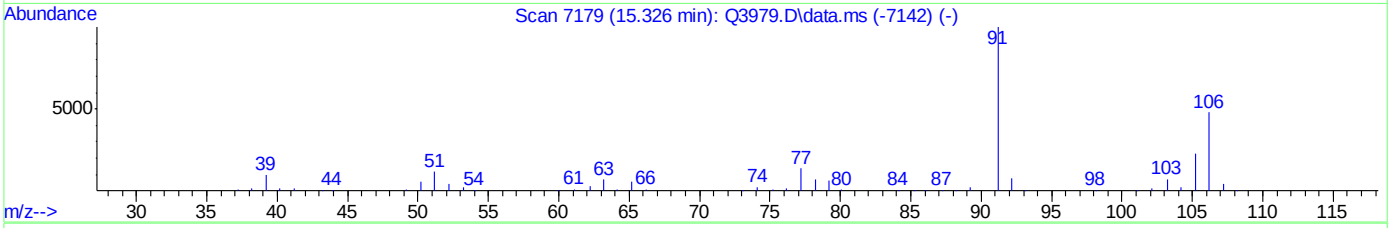
Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\
Data File : Q3983.D
Acq On : 16 Jul 2007 9:09 pm
Operator : danat
Sample : ic214-0.2 (M210)
Misc : MS13893, MSQ214,,,,,1
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Jul 17 08:21:24 2007
Quant Method : C:\msdchem\1\METHODS\Q071607T.m
Quant Title : TO15 by GCMS w/DB-1 60 m X .25 mm ID 1.0 um
QLast Update : Tue Jul 17 08:21:05 2007
Response via : Initial Calibration







TIC: Q3983.D\data.ms

(56) m,p-XYLENE (m)

15.323min (-0.003) 0.31PPBV m

response 7451

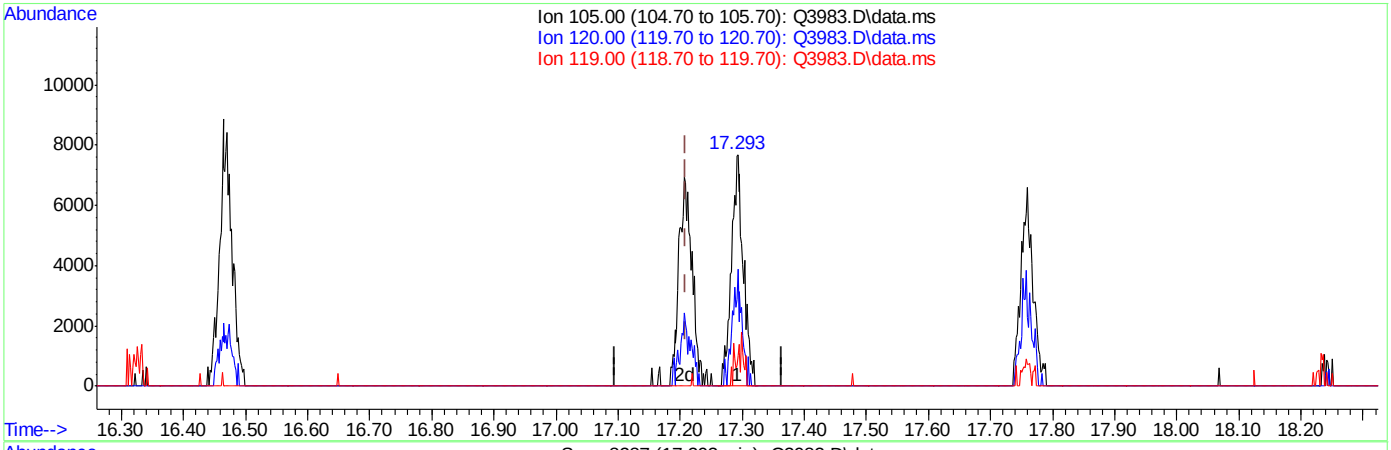
Ion	Exp%	Act%
106.00	100	100
91.00	209.40	180.76
77.00	28.30	0.00#
0.00	0.00	0.00

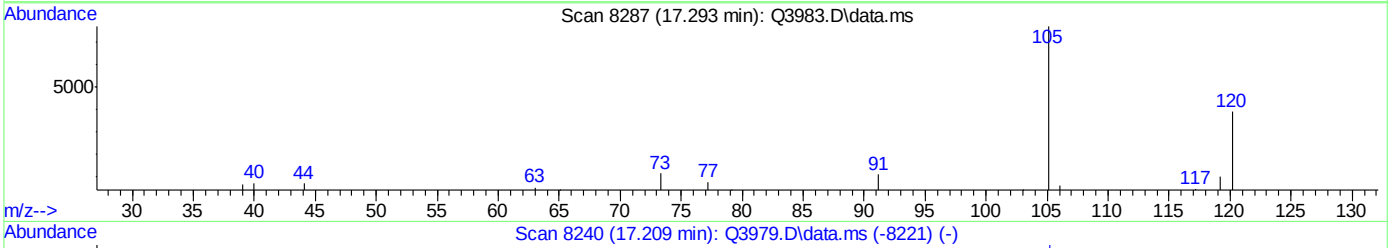
ACCUTEST Laboratories M66801

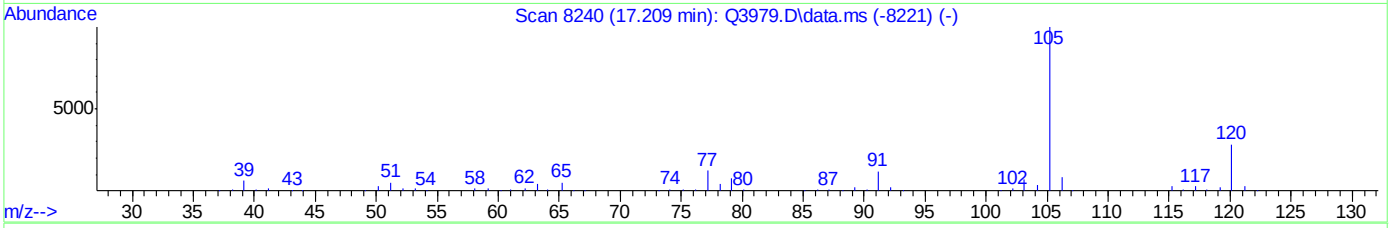
Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\
Data File : Q3983.D
Acq On : 16 Jul 2007 9:09 pm
Operator : danat
Sample : ic214-0.2 (M210)
Misc : MS13893, MSQ214,,,,,1
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Jul 17 08:21:24 2007
Quant Method : C:\msdchem\1\METHODS\Q071607T.m
Quant Title : TO15 by GCMS w/DB-1 60 m X .25 mm ID 1.0 um
QLast Update : Tue Jul 17 08:21:05 2007
Response via : Initial Calibration







TIC: Q3983.D\data.ms

(65) 4-ETHYLTOLUENE (m)

17.293min (+0.084) 0.16PPBV

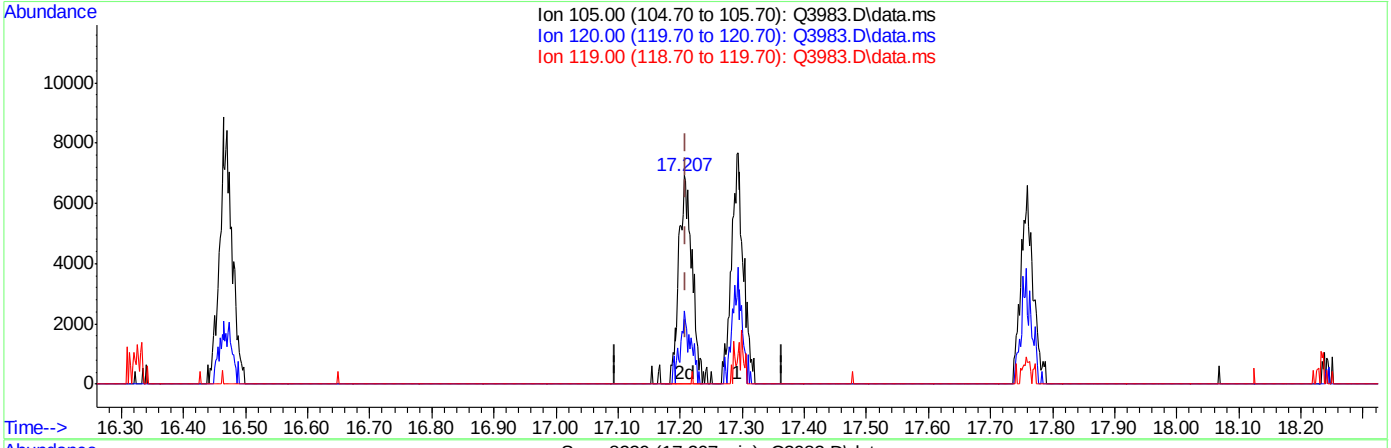
response 10770

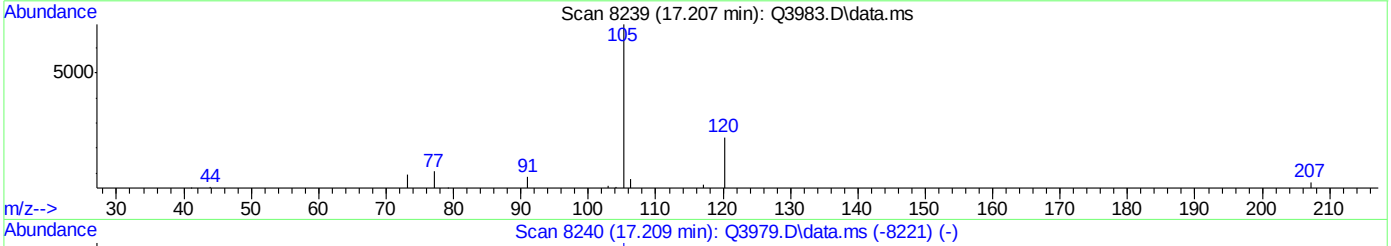
Ion	Exp%	Act%
105.00	100	100
120.00	27.80	40.06
119.00	2.20	9.79
0.00	0.00	0.00

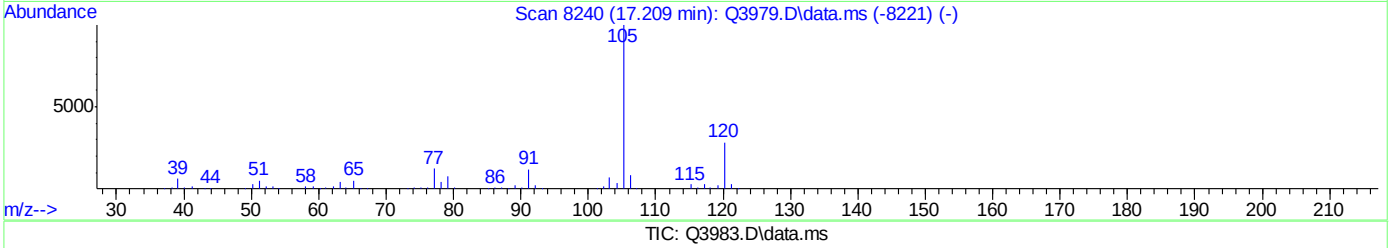
Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\
Data File : Q3983.D
Acq On : 16 Jul 2007 9:09 pm
Operator : danat
Sample : ic214-0.2 (M210)
Misc : MS13893, MSQ214,,,,,1
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Jul 17 08:21:24 2007
Quant Method : C:\msdchem\1\METHODS\Q071607T.m
Quant Title : TO15 by GCMS w/DB-1 60 m X .25 mm ID 1.0 um
QLast Update : Tue Jul 17 08:21:05 2007
Response via : Initial Calibration







TIC: Q3983.D\data.ms

(65) 4-ETHYLTOLUENE (m)

17.207min (-0.002) 0.15PPBV m

response 10144

Ion	Exp%	Act%
105.00	100	100
120.00	27.80	42.53
119.00	2.20	10.39
0.00	0.00	0.00

ACCUTEST Laboratories M66801

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\
Data File : Q3984a.D
Acq On : 17 Jul 2007 8:45 am
Operator : danat
Sample : cc214-10 (M209)
Misc : MS13893, MSQ214,,,,,1
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Jul 17 14:06:31 2007
Quant Method : C:\msdchem\1\METHODS\Q071607T.m
Quant Title : TO15 by GCMS w/DB-1 60 m X .25 mm ID 1.0 um
QLast Update : Tue Jul 17 08:27:00 2007
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) BROMOCHLOROMETHANE	8.633	128	198360	10.00	PPBV	0.00
35) 1,4-DIFLUOROBENZENE	10.463	114	902151	10.00	PPBV	0.00
49) CHLOROBENZENE-D5	14.707	117	781705	10.00	PPBV	0.00
System Monitoring Compounds						
61) 4-BROMOFLUOROBENZENE	16.325	95	309690	5.39	PPBV	0.00
Spiked Amount 5.000	Range 57 - 139		Recovery = 107.80%			
Target Compounds						Qvalue
2) DICHLORODIFLUOROMETHANE	4.037	85	726946	10.84	PPBV	99
3) PROPYLENE	3.966	41	110064	10.51	PPBV	93
4) FREON 114	4.296	85	667194	10.74	PPBV	99
5) CHLOROMETHANE	4.203	50	152498	10.60	PPBV	94
6) VINYL CHLORIDE	4.420	62	179540	10.62	PPBV	98
7) 1,3-BUTADIENE	4.560	39	147875	10.72	PPBV	96
8) BROMOMETHANE	4.834	94	207354	10.86	PPBV	98
9) CHLOROETHANE	5.009	64	76397	11.41	PPBV	99
10) TRICHLOROFLUOROMETHANE	5.788	101	751175	11.42	PPBV	100
11) ISOPROPYL ALCOHOL	5.826	45	241350	9.68	PPBV	93
12) ACETONE	5.597	43	216102	8.20	PPBV	99
13) PENTANE	6.143	42	165867	11.51	PPBV	99
14) 1,1-DICHLOROETHYLENE	6.427	96	193333	10.45	PPBV	93
15) CARBON DISULFIDE	6.859	76	540832	11.62	PPBV	98
16) ETHANOL	5.094	45	39797	8.10	PPBV	95
17) BROMOETHENE	5.370	106	204817	10.74	PPBV	99
18) METHYLENE CHLORIDE	6.541	84	164926	7.27	PPBV	98
19) 3-CHLOROPROPENE	6.660	39	154305	11.11	PPBV	94
20) FREON 113	6.800	151	415737	9.05	PPBV	99
21) TRANS-1,2-DICHLOROETHY...	7.467	96	190404	10.74	PPBV	97
22) TERTIARY BUTYL ALCOHOL	6.427	59	332679	10.66	PPBV	98
23) METHYL TERTIARY BUTYL ...	7.710	73	392083	9.55	PPBV	99
24) TETRAHYDROFURAN	9.144	42	111570	9.01	PPBV	99
25) HEXANE	8.667	57	207399	7.94	PPBV	95
26) VINYL ACETATE	7.789	43	284777	9.56	PPBV	97
27) 1,1-DICHLOROETHANE	7.662	63	312636	10.67	PPBV	100
28) METHYL ETHYL KETONE	8.030	43	244701	9.10	PPBV	93
29) cis-1,2-DICHLOROETHYLENE	8.470	96	160232	10.23	PPBV	99
30) ETHYL ACETATE	8.663	43	404597	7.72	PPBV	100
31) CHLOROFORM	8.750	83	414026	10.21	PPBV	99
32) 1,1,1-TRICHLOROETHANE	9.711	97	432762	10.57	PPBV	99
33) CARBON TETRACHLORIDE	10.293	117	537081	11.19	PPBV	99
34) 1,2-DICHLOROETHANE	9.462	62	242510	10.19	PPBV	98
36) BENZENE	10.151	78	381394	9.17	PPBV	100
37) CYCLOHEXANE	10.417	84	177444	9.97	PPBV	98
38) TRICHLOROETHYLENE	11.145	95	235474	10.11	PPBV	99
39) 1,2-DICHLOROPROPANE	10.926	63	131144	9.30	PPBV	97
40) BROMODICHLOROMETHANE	11.106	83	378433	10.23	PPBV	97
41) 2,2,4-TRIMETHYLPENTANE	11.168	57	644899	10.15	PPBV	99
42) 1,4-DIOXANE	11.134	88	77597	9.46	PPBV	92
43) HEPTANE	11.406	43	230882	9.90	PPBV	98

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\
Data File : Q3984a.D
Acq On : 17 Jul 2007 8:45 am
Operator : danat
Sample : cc214-10 (M209)
Misc : MS13893, MSQ214,,,,,1
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Jul 17 14:06:31 2007
Quant Method : C:\msdchem\1\METHODS\Q071607T.m
Quant Title : TO15 by GCMS w/DB-1 60 m X .25 mm ID 1.0 um
QLast Update : Tue Jul 17 08:27:00 2007
Response via : Initial Calibration

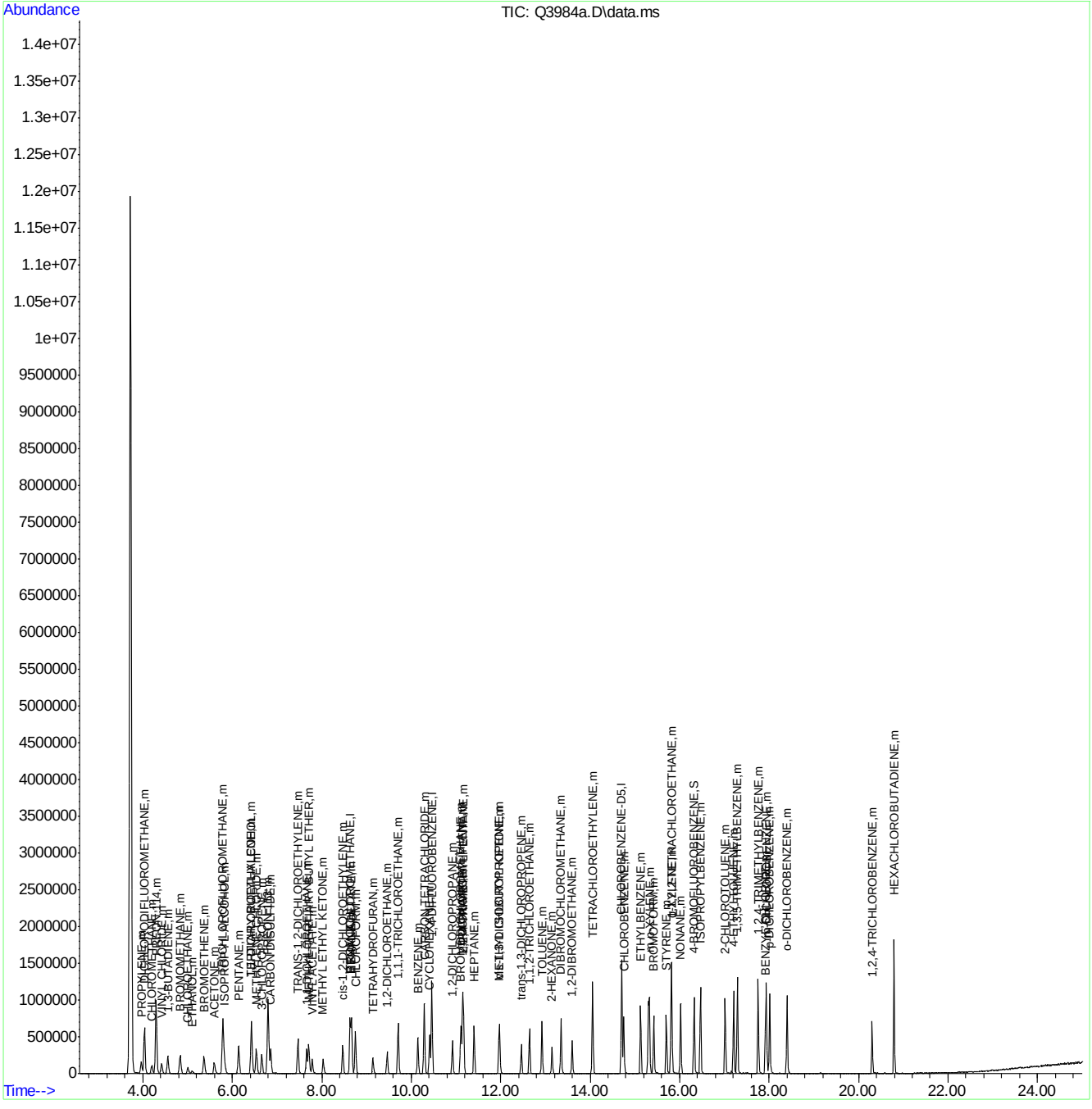
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) METHYL ISOBUTYL KETONE	11.979	43	283781	9.50	PPBV	97
45) cis-1,3-DICHLOROPROPENE	11.961	75	217279	10.07	PPBV	96
46) TOLUENE	12.923	92	266117	8.86	PPBV	100
47) trans-1,3-DICHLOROPROPENE	12.463	75	174783	8.86	PPBV	97
48) 1,1,2-TRICHLOROETHANE	12.643	83	142783	9.20	PPBV	99
50) 2-HEXANONE	13.147	43	235124	9.34	PPBV	97
51) TETRACHLOROETHYLENE	14.057	164	257364	9.86	PPBV	99
52) DIBROMOCHLOROMETHANE	13.349	129	368242	10.30	PPBV	99
53) 1,2-DIBROMOETHANE	13.599	107	267370	9.35	PPBV	99
54) CHLOROBENZENE	14.753	112	384893	9.30	PPBV	100
55) ETHYLBENZENE	15.129	91	619158	9.48	PPBV	99
56) m,p-XYLENE	15.326	106	483299	19.58	PPBV	97
57) o-XYLENE	15.825	106	244339	9.73	PPBV	98
58) STYRENE	15.704	104	359962	10.24	PPBV	99
59) NONANE	16.025	43	326579	10.19	PPBV	100
60) BROMOFORM	15.424	173	356220	9.82	PPBV	100
62) 1,1,2,2-TETRACHLOROETHANE	15.810	83	380959	9.69	PPBV	98
63) ISOPROPYLBENZENE	16.467	105	762304	9.91	PPBV	99
64) 2-CHLOROTOLUENE	17.016	91	560897	10.15	PPBV	99
65) 4-ETHYLTOLUENE	17.211	105	672129	9.76	PPBV	100
66) 1,3,5-TRIMETHYLBENZENE	17.292	105	682672	10.21	PPBV	99
67) 1,2,4-TRIMETHYLBENZENE	17.756	105	661253	10.74	PPBV	99
68) m-DICHLOROBENZENE	17.942	146	439257	10.19	PPBV	100
69) BENZYL CHLORIDE	17.917	91	370322	10.14	PPBV	100
70) p-DICHLOROBENZENE	18.013	146	441700	10.61	PPBV	99
71) o-DICHLOROBENZENE	18.402	146	402440	9.81	PPBV	99
72) HEXACHLOROBUTADIENE	20.796	225	283891	14.09	PPBV	100
73) 1,2,4-TRICHLOROBENZENE	20.306	180	191567	13.19	PPBV	99

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

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\
Data File : Q3984a.D
Acq On : 17 Jul 2007 8:45 am
Operator : danat
Sample : cc214-10 (M209)
Misc : MS13893, MSQ214,,,,,1
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Jul 17 14:06:31 2007
Quant Method : C:\msdchem\1\METHODS\Q071607T.m
Quant Title : TO15 by GCMS w/DB-1 60 m X .25 mm ID 1.0 um
QLast Update : Tue Jul 17 08:27:00 2007
Response via : Initial Calibration



Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\
Data File : Q3984.D
Acq On : 17 Jul 2007 8:45 am
Operator : danat
Sample : icv214-10 (M209)
Misc : MS13893, MSQ214,,,,,1
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Jul 17 14:05:15 2007
Quant Method : C:\msdchem\1\METHODS\Q071607T.m
Quant Title : TO15 by GCMS w/DB-1 60 m X .25 mm ID 1.0 um
QLast Update : Tue Jul 17 08:27:00 2007
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) BROMOCHLOROMETHANE	8.633	128	198360	10.00	PPBV	0.00
35) 1,4-DIFLUOROBENZENE	10.463	114	902151	10.00	PPBV	0.00
49) CHLOROBENZENE-D5	14.707	117	781705	10.00	PPBV	0.00
System Monitoring Compounds						
61) 4-BROMOFLUOROBENZENE	16.325	95	309690	5.39	PPBV	0.00
Spiked Amount 5.000	Range 57 - 139		Recovery = 107.80%			
Target Compounds						Qvalue
2) DICHLORODIFLUOROMETHANE	4.037	85	726946	10.84	PPBV	99
3) PROPYLENE	3.966	41	110064	10.51	PPBV	93
4) FREON 114	4.296	85	667194	10.74	PPBV	99
5) CHLOROMETHANE	4.203	50	152498	10.60	PPBV	94
6) VINYL CHLORIDE	4.420	62	179540	10.62	PPBV	98
7) 1,3-BUTADIENE	4.560	39	147875	10.72	PPBV	96
8) BROMOMETHANE	4.834	94	207354	10.86	PPBV	98
9) CHLOROETHANE	5.009	64	76397	11.41	PPBV	99
10) TRICHLOROFLUOROMETHANE	5.788	101	751175	11.42	PPBV	100
11) ISOPROPYL ALCOHOL	5.826	45	241350	9.68	PPBV	93
12) ACETONE	5.597	43	216102	8.20	PPBV	99
13) PENTANE	6.143	42	165867	11.51	PPBV	99
14) 1,1-DICHLOROETHYLENE	6.427	96	193333	10.45	PPBV	93
15) CARBON DISULFIDE	6.859	76	540832	11.62	PPBV	98
16) ETHANOL	5.094	45	39797	8.10	PPBV	95
17) BROMOETHENE	5.370	106	204817	10.74	PPBV	99
18) METHYLENE CHLORIDE	6.541	84	164926	7.27	PPBV	98
19) 3-CHLOROPROPENE	6.660	39	154305	11.11	PPBV	94
20) FREON 113	6.800	151	415737	9.05	PPBV	99
21) TRANS-1,2-DICHLOROETHY...	7.467	96	190404	10.74	PPBV	97
22) TERTIARY BUTYL ALCOHOL	6.427	59	332679	10.66	PPBV	98
23) METHYL TERTIARY BUTYL ...	7.710	73	392083	9.55	PPBV	99
24) TETRAHYDROFURAN	9.144	42	111570	9.01	PPBV	99
25) HEXANE	8.667	57	207399	7.94	PPBV	95
26) VINYL ACETATE	7.789	43	284777	9.56	PPBV	97
27) 1,1-DICHLOROETHANE	7.662	63	312636	10.67	PPBV	100
28) METHYL ETHYL KETONE	8.030	43	244701	9.10	PPBV	93
29) cis-1,2-DICHLOROETHYLENE	8.470	96	160232	10.23	PPBV	99
30) ETHYL ACETATE	8.663	43	404597	7.72	PPBV	100
31) CHLOROFORM	8.750	83	414026	10.21	PPBV	99
32) 1,1,1-TRICHLOROETHANE	9.711	97	432762	10.57	PPBV	99
33) CARBON TETRACHLORIDE	10.293	117	537081	11.19	PPBV	99
34) 1,2-DICHLOROETHANE	9.462	62	242510	10.19	PPBV	98
36) BENZENE	10.151	78	381394	9.17	PPBV	100
37) CYCLOHEXANE	10.417	84	177444	9.97	PPBV	98
38) TRICHLOROETHYLENE	11.145	95	235474	10.11	PPBV	99
39) 1,2-DICHLOROPROPANE	10.926	63	131144	9.30	PPBV	97
40) BROMODICHLOROMETHANE	11.106	83	378433	10.23	PPBV	97
41) 2,2,4-TRIMETHYLPENTANE	11.168	57	644899	10.15	PPBV	99
42) 1,4-DIOXANE	11.134	88	77597	9.46	PPBV	92
43) HEPTANE	11.406	43	230882	9.90	PPBV	98

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\
Data File : Q3984.D
Acq On : 17 Jul 2007 8:45 am
Operator : danat
Sample : icv214-10 (M209)
Misc : MS13893, MSQ214,,,,,1
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Jul 17 14:05:15 2007
Quant Method : C:\msdchem\1\METHODS\Q071607T.m
Quant Title : TO15 by GCMS w/DB-1 60 m X .25 mm ID 1.0 um
QLast Update : Tue Jul 17 08:27:00 2007
Response via : Initial Calibration

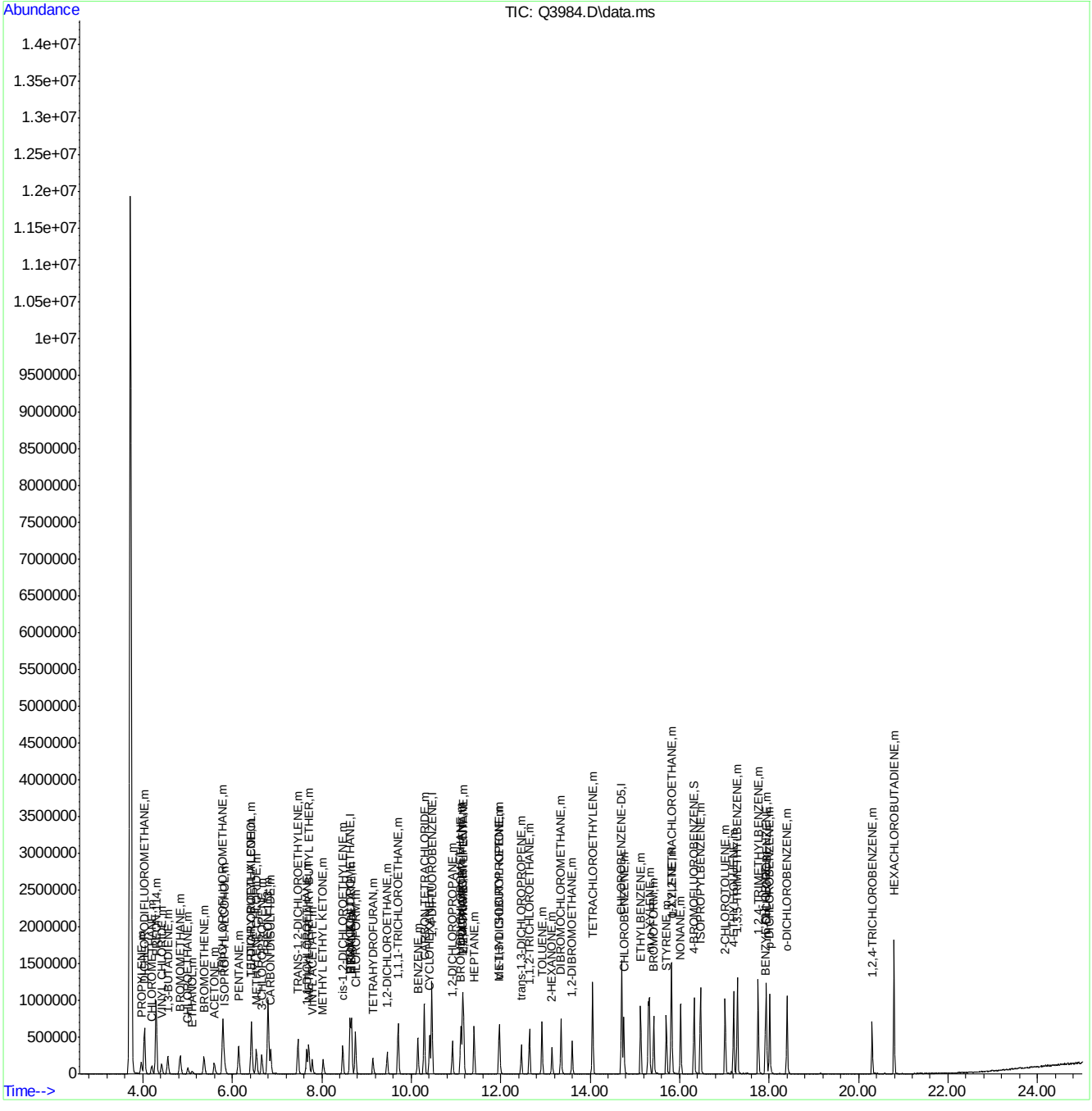
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) METHYL ISOBUTYL KETONE	11.979	43	283781	9.50	PPBV	97
45) cis-1,3-DICHLOROPROPENE	11.961	75	217279	10.07	PPBV	96
46) TOLUENE	12.923	92	266117	8.86	PPBV	100
47) trans-1,3-DICHLOROPROPENE	12.463	75	174783	8.86	PPBV	97
48) 1,1,2-TRICHLOROETHANE	12.643	83	142783	9.20	PPBV	99
50) 2-HEXANONE	13.147	43	235124	9.34	PPBV	97
51) TETRACHLOROETHYLENE	14.057	164	257364	9.86	PPBV	99
52) DIBROMOCHLOROMETHANE	13.349	129	368242	10.30	PPBV	99
53) 1,2-DIBROMOETHANE	13.599	107	267370	9.35	PPBV	99
54) CHLOROBENZENE	14.753	112	384893	9.30	PPBV	100
55) ETHYLBENZENE	15.129	91	619158	9.48	PPBV	99
56) m,p-XYLENE	15.326	106	483299	19.58	PPBV	97
57) o-XYLENE	15.825	106	244339	9.73	PPBV	98
58) STYRENE	15.704	104	359962	10.24	PPBV	99
59) NONANE	16.025	43	326579	10.19	PPBV	100
60) BROMOFORM	15.424	173	356220	9.82	PPBV	100
62) 1,1,2,2-TETRACHLOROETHANE	15.810	83	380959	9.69	PPBV	98
63) ISOPROPYLBENZENE	16.467	105	762304	9.91	PPBV	99
64) 2-CHLOROTOLUENE	17.016	91	560897	10.15	PPBV	99
65) 4-ETHYLTOLUENE	17.211	105	672129	9.76	PPBV	100
66) 1,3,5-TRIMETHYLBENZENE	17.292	105	682672	10.21	PPBV	99
67) 1,2,4-TRIMETHYLBENZENE	17.756	105	661253	10.74	PPBV	99
68) m-DICHLOROBENZENE	17.942	146	439257	10.19	PPBV	100
69) BENZYL CHLORIDE	17.917	91	370322	10.14	PPBV	100
70) p-DICHLOROBENZENE	18.013	146	441700	10.61	PPBV	99
71) o-DICHLOROBENZENE	18.402	146	402440	9.81	PPBV	99
72) HEXACHLOROBUTADIENE	20.796	225	283891	14.09	PPBV	100
73) 1,2,4-TRICHLOROBENZENE	20.306	180	191567	13.19	PPBV	99

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

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\
Data File : Q3984.D
Acq On : 17 Jul 2007 8:45 am
Operator : danat
Sample : icv214-10 (M209)
Misc : MS13893, MSQ214,,,,,1
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Jul 17 14:05:15 2007
Quant Method : C:\msdchem\1\METHODS\Q071607T.m
Quant Title : TO15 by GCMS w/DB-1 60 m X .25 mm ID 1.0 um
QLast Update : Tue Jul 17 08:27:00 2007
Response via : Initial Calibration



Manual Integrations APPROVED (compounds with "m" flag)
Philip Bassignani
08/09/07 15:52

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\
Data File : Q4200.D
Acq On : 7 Aug 2007 11:13 am
Operator : danat
Sample : ic223-0.5 (M065)
Misc : MS14034, MSQ223,,,,,1
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Aug 07 11:42:50 2007
Quant Method : C:\msdchem\1\METHODS\Q080707T.m
Quant Title : TO15 by GCMS w/DB-1 60 m X .25 mm ID 1.0 um
QLast Update : Tue Aug 07 11:41:42 2007
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) BROMOCHLOROMETHANE	8.630	128	170359	10.00	PPBV	0.00
35) 1,4-DIFLUOROBENZENE	10.458	114	757572	10.00	PPBV	0.00
49) CHLOROBENZENE-D5	14.701	117	660977	10.00	PPBV	0.00

System Monitoring Compounds

61) 4-BROMOFLUOROBENZENE	16.322	95	252002	4.12	PPBV	0.00

Spiked Amount 5.000 Range 57 - 139 Recovery = 82.40%

Target Compounds							Qvalue
2) DICHLORODIFLUOROMETHANE	4.033	85	48793	0.75	PPBV		97
3) PROPYLENE	3.971	41	5430	0.43	PPBV		82
4) FREON 114	4.298	85	40745	0.66	PPBV		96
5) CHLOROMETHANE	4.198	50	9327	0.63	PPBV		97
6) VINYL CHLORIDE	4.422	62	10750	0.60	PPBV		91
7) 1,3-BUTADIENE	4.560	39	8410	0.55	PPBV	#	69
8) BROMOMETHANE	4.834	94	11679	0.58	PPBV		96
9) CHLOROETHANE	4.999	64	4561	0.57	PPBV	#	71
10) TRICHLOROFLUOROMETHANE	5.785	101	46017	0.67	PPBV		99
11) ISOPROPYL ALCOHOL	5.838	45	19308	0.40	PPBV		79
12) ACETONE	5.607	43	23981	0.45	PPBV		72
13) PENTANE	6.138	42	9173	0.48	PPBV		88
14) 1,1-DICHLOROETHYLENE	6.426	96	10727	0.52	PPBV	#	82
15) CARBON DISULFIDE	6.857	76	27118	0.66	PPBV		83
16) ETHANOL	5.102	45	3604	0.42	PPBV	#	57
17) BROMOETHENE	5.364	106	10443	0.56	PPBV		99
18) METHYLENE CHLORIDE	6.539	84	21204	0.28	PPBV		89
19) 3-CHLOROPROPENE	6.663	39	9368	0.53	PPBV		90
20) FREON 113	6.800	151	23899	0.50	PPBV		92
21) TRANS-1,2-DICHLOROETHY...	7.460	96	10437	0.55	PPBV	#	87
22) TERTIARY BUTYL ALCOHOL	6.456	59	15583	0.48	PPBV		79
23) METHYL TERTIARY BUTYL ...	7.723	73	19766	0.40	PPBV		87
24) TETRAHYDROFURAN	9.155	42	3988	0.27	PPBV		98
25) HEXANE	8.671	57	15704	0.35	PPBV		87
26) VINYL ACETATE	7.787	43	13559	0.36	PPBV		76
27) 1,1-DICHLOROETHANE	7.664	63	21425	0.60	PPBV		98
28) METHYL ETHYL KETONE	8.048	43	12071	0.35	PPBV		94
29) cis-1,2-DICHLOROETHYLENE	8.470	96	8255	0.56	PPBV		97
30) ETHYL ACETATE	8.671	43	24029	0.36	PPBV	#	95
31) CHLOROFORM	8.749	83	27198	0.61	PPBV		98
32) 1,1,1-TRICHLOROETHANE	9.709	97	28064	0.74	PPBV		98
33) CARBON TETRACHLORIDE	10.287	117	31106	0.76	PPBV		99
34) 1,2-DICHLOROETHANE	9.460	62	16600	0.61	PPBV		95
36) BENZENE	10.142	78	21597	0.59	PPBV		99
37) CYCLOHEXANE	10.415	84	8743	0.53	PPBV		92
38) TRICHLOROETHYLENE	11.145	95	13530	0.66	PPBV		96
39) 1,2-DICHLOROPROPANE	10.923	63	7407	0.55	PPBV		97
40) BROMODICHLOROMETHANE	11.106	83	21444	0.76	PPBV		100
41) 2,2,4-TRIMETHYLPENTANE	11.168	57	33768	0.55	PPBV	#	93
42) 1,4-DIOXANE	11.161	88	3803	0.49	PPBV	#	1
43) HEPTANE	11.406	43	11007	0.47	PPBV		99

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\
Data File : Q4200.D
Acq On : 7 Aug 2007 11:13 am
Operator : danat
Sample : ic223-0.5 (M065)
Misc : MS14034, MSQ223,,,,,1
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Aug 07 11:42:50 2007
Quant Method : C:\msdchem\1\METHODS\Q080707T.m
Quant Title : TO15 by GCMS w/DB-1 60 m X .25 mm ID 1.0 um
QLast Update : Tue Aug 07 11:41:42 2007
Response via : Initial Calibration

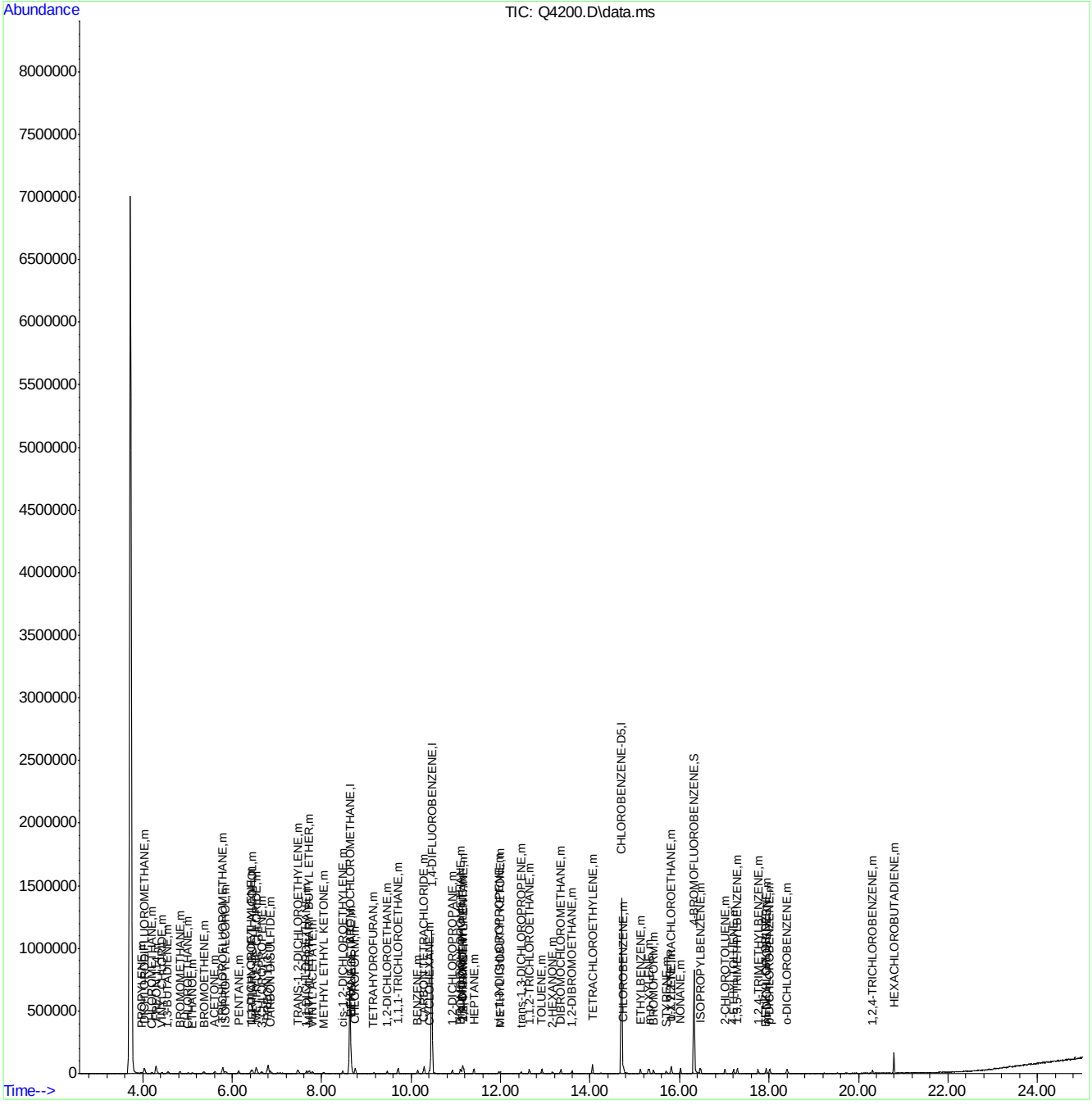
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) METHYL ISOBUTYL KETONE	11.988	43	10557	0.35	PPBV	96
45) cis-1,3-DICHLOROPROPENE	11.959	75	8664	0.49	PPBV	91
46) TOLUENE	12.923	92	14528	0.55	PPBV	97
47) trans-1,3-DICHLOROPROPENE	12.460	75	7321	0.45	PPBV	96
48) 1,1,2-TRICHLOROETHANE	12.643	83	7633	0.58	PPBV	98
50) 2-HEXANONE	13.152	43	8395	0.33	PPBV #	89
51) TETRACHLOROETHYLENE	14.055	164	13646	0.64	PPBV	98
52) DIBROMOCHLOROMETHANE	13.347	129	15998	0.74	PPBV	99
53) 1,2-DIBROMOETHANE	13.596	107	13099	0.61	PPBV #	96
54) CHLOROBENZENE	14.742	112	20248	0.65	PPBV	97
55) ETHYLBENZENE	15.125	91	23700	0.44	PPBV	98
56) m,p-XYLENE	15.306	106	17689m	0.91	PPBV	
57) o-XYLENE	15.821	106	8229	0.41	PPBV	97
58) STYRENE	15.699	104	10114	0.37	PPBV	99
59) NONANE	16.025	43	11092	0.37	PPBV	94
60) BROMOFORM	15.418	173	12177	0.64	PPBV	98
62) 1,1,2,2-TETRACHLOROETHANE	15.807	83	17163	0.54	PPBV	95
63) ISOPROPYLBENZENE	16.464	105	27478	0.45	PPBV	99
64) 2-CHLOROTOLUENE	17.017	91	20013	0.44	PPBV	97
65) 4-ETHYLTOLUENE	17.205	105	20299	0.38	PPBV	96
66) 1,3,5-TRIMETHYLBENZENE	17.291	105	22037	0.41	PPBV	97
67) 1,2,4-TRIMETHYLBENZENE	17.756	105	18844	0.38	PPBV	95
68) m-DICHLOROBENZENE	17.938	146	14749	0.48	PPBV	96
69) BENZYL CHLORIDE	17.915	91	7246	0.32	PPBV	86
70) p-DICHLOROBENZENE	18.015	146	14292	0.47	PPBV	96
71) o-DICHLOROBENZENE	18.400	146	14706	0.50	PPBV	98
72) HEXACHLOROBUTADIENE	20.794	225	23344	1.12	PPBV	99
73) 1,2,4-TRICHLOROBENZENE	20.308	180	7639	0.65	PPBV	99

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

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\
Data File : Q4200.D
Acq On : 7 Aug 2007 11:13 am
Operator : danat
Sample : ic223-0.5 (M065)
Misc : MS14034, MSQ223,,,,,1
ALS Vial : 3 Sample Multiplier: 1

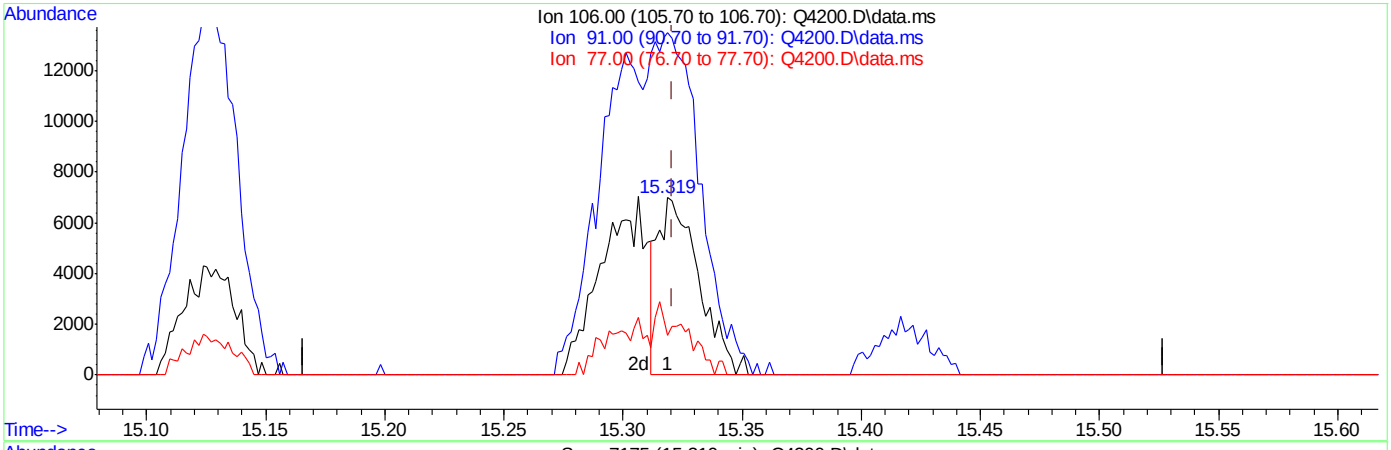
Quant Time: Aug 07 11:42:50 2007
Quant Method : C:\msdchem\1\METHODS\Q080707T.m
Quant Title : TO15 by GCMS w/DB-1 60 m X .25 mm ID 1.0 um
QLast Update : Tue Aug 07 11:41:42 2007
Response via : Initial Calibration

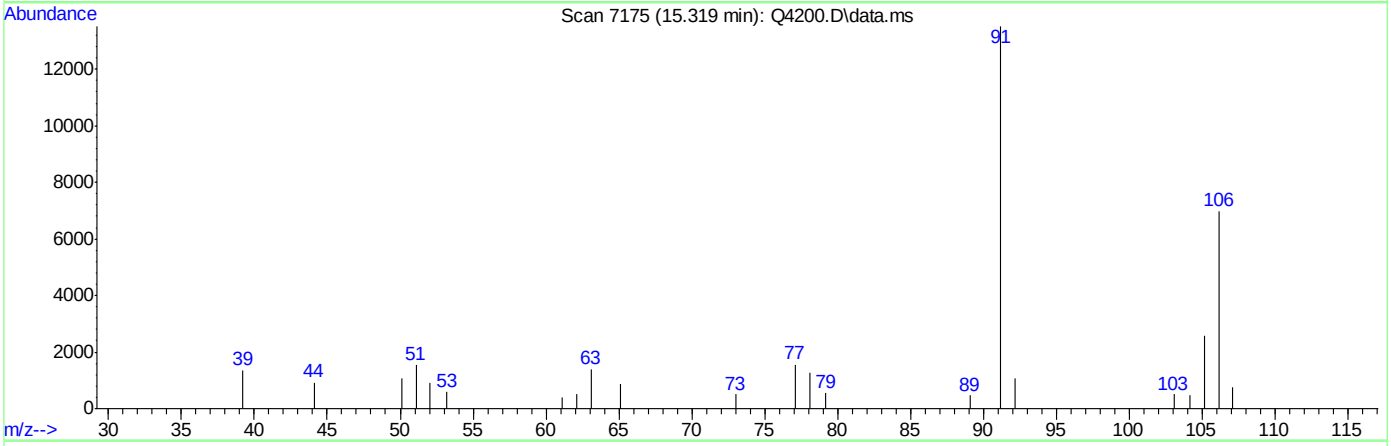


Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\
Data File : Q4200.D
Acq On : 7 Aug 2007 11:13 am
Operator : danat
Sample : ic223-0.5 (M065)
Misc : MS14034, MSQ223,,,,,1
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Aug 07 11:41:52 2007
Quant Method : C:\msdchem\1\METHODS\Q080707T.m
Quant Title : TO15 by GCMS w/DB-1 60 m X .25 mm ID 1.0 um
QLast Update : Tue Aug 07 11:41:42 2007
Response via : Initial Calibration





TIC: Q4200.D\data.ms

(56) m,p-XYLENE (m)

15.319min (-0.002) 0.43PPBV

response 8420

Ion	Exp%	Act%
106.00	100	100
91.00	217.70	193.29
77.00	29.20	22.31#
0.00	0.00	0.00

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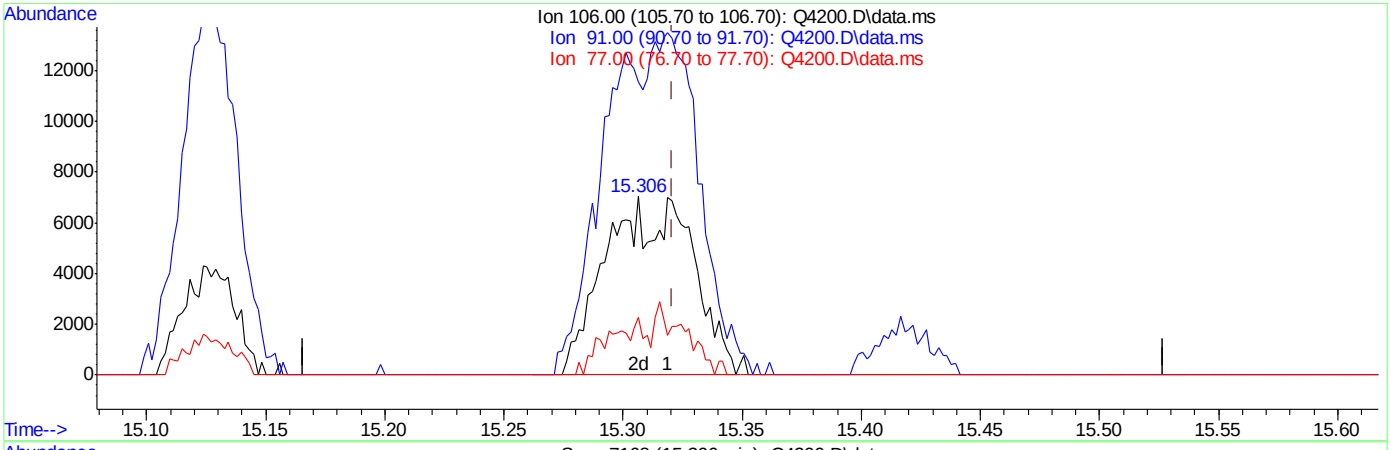
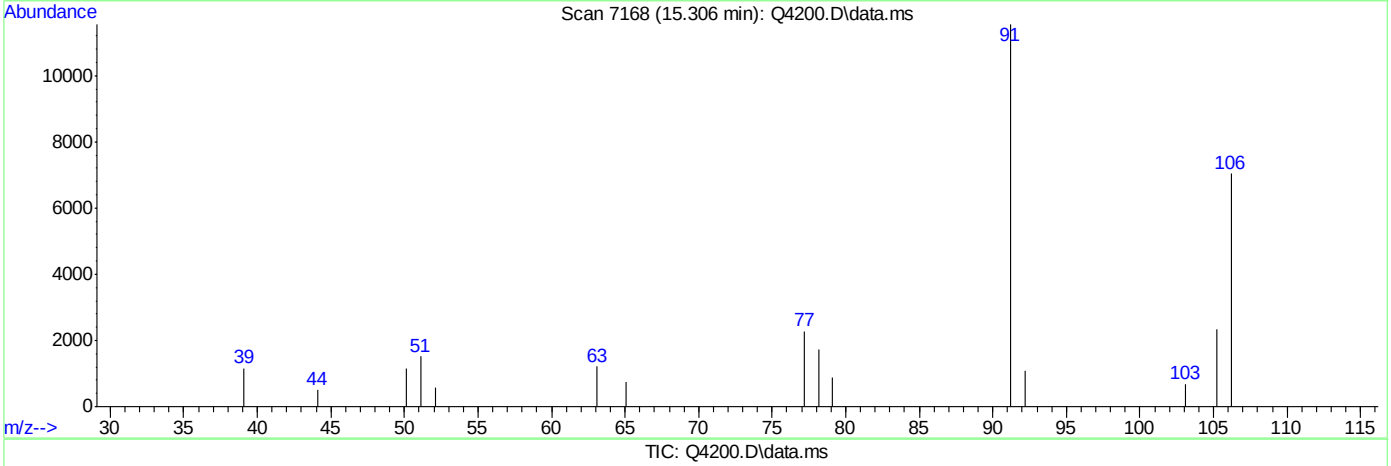
Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\
Data File : Q4200.D
Acq On : 7 Aug 2007 11:13 am
Operator : danat
Sample : ic223-0.5 (M065)
Misc : MS14034, MSQ223,,,,,1
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Aug 07 11:41:52 2007
Quant Method : C:\msdchem\1\METHODS\Q080707T.m
Quant Title : TO15 by GCMS w/DB-1 60 m X .25 mm ID 1.0 um
QLast Update : Tue Aug 07 11:41:42 2007
Response via : Initial Calibration





TIC: Q4200.D\data.ms

(56) m,p-XYLENE (m)

15.306min (-0.014) 0.91PPBV m

response 17689

Ion	Exp%	Act%
106.00	100	100
91.00	217.70	163.95#
77.00	29.20	32.30
0.00	0.00	0.00

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Manual Integrations APPROVED (compounds with "m" flag)
Philip Bassignani
08/09/07 15:52

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\
Data File : Q4201.D
Acq On : 7 Aug 2007 11:59 am
Operator : danat
Sample : ic223-0.2 (M065)
Misc : MS14034, MSQ223,,,,,1
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Aug 07 12:27:30 2007
Quant Method : C:\msdchem\1\METHODS\Q080707T.m
Quant Title : TO15 by GCMS w/DB-1 60 m X .25 mm ID 1.0 um
QLast Update : Tue Aug 07 11:41:42 2007
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) BROMOCHLOROMETHANE	8.630	128	172313	10.00	PPBV	0.00
35) 1,4-DIFLUOROBENZENE	10.458	114	754783	10.00	PPBV	0.00
49) CHLOROBENZENE-D5	14.703	117	668307	10.00	PPBV	0.00

System Monitoring Compounds

61) 4-BROMOFLUOROBENZENE	16.322	95	246922	3.99	PPBV	0.00

Spiked Amount 5.000 Range 57 - 139 Recovery = 79.80%

Target Compounds						Qvalue
2) DICHLORODIFLUOROMETHANE	4.033	85	23209	0.35	PPBV	97
3) PROPYLENE	3.964	41	2484	0.20	PPBV	84
4) FREON 114	4.298	85	20054	0.32	PPBV	96
5) CHLOROMETHANE	4.195	50	4343	0.29	PPBV	79
6) VINYL CHLORIDE	4.413	62	5107	0.28	PPBV #	87
7) 1,3-BUTADIENE	4.553	39	3827	0.25	PPBV #	66
8) BROMOMETHANE	4.834	94	5912	0.29	PPBV	95
9) CHLOROETHANE	5.001	64	1742	0.21	PPBV #	47
10) TRICHLOROFLUOROMETHANE	5.787	101	22541	0.32	PPBV	97
11) ISOPROPYL ALCOHOL	5.844	45	13216	0.27	PPBV	86
12) ACETONE	5.611	43	15223	0.28	PPBV	87
13) PENTANE	6.142	42	4627	0.24	PPBV #	80
14) 1,1-DICHLOROETHYLENE	6.431	96	5112	0.24	PPBV #	80
15) CARBON DISULFIDE	6.857	76	12667	0.30	PPBV	94
16) ETHANOL	5.116	45	1767m	0.20	PPBV	
17) BROMOETHENE	5.366	106	4805	0.26	PPBV #	96
18) METHYLENE CHLORIDE	6.534	84	14101	0.19	PPBV	94
19) 3-CHLOROPROPENE	6.649	39	4083	0.23	PPBV #	16
20) FREON 113	6.805	151	12229	0.25	PPBV #	79
21) TRANS-1,2-DICHLOROETHY...	7.467	96	4902	0.25	PPBV #	86
22) TERTIARY BUTYL ALCOHOL	6.463	59	5665	0.17	PPBV	86
23) METHYL TERTIARY BUTYL ...	7.728	73	7923	0.16	PPBV	77
24) TETRAHYDROFURAN	9.166	42	1399	0.09	PPBV #	53
25) HEXANE	8.667	57	10300	0.23	PPBV	87
26) VINYL ACETATE	7.794	43	6048	0.16	PPBV #	78
27) 1,1-DICHLOROETHANE	7.668	63	8640	0.24	PPBV	96
28) METHYL ETHYL KETONE	8.057	43	4844	0.14	PPBV	89
29) cis-1,2-DICHLOROETHYLENE	8.463	96	2978	0.20	PPBV	99
30) ETHYL ACETATE	8.676	43	11822	0.17	PPBV #	95
31) CHLOROFORM	8.751	83	11584	0.26	PPBV	98
32) 1,1,1-TRICHLOROETHANE	9.711	97	11061	0.29	PPBV	98
33) CARBON TETRACHLORIDE	10.286	117	13687	0.33	PPBV	98
34) 1,2-DICHLOROETHANE	9.459	62	6272	0.23	PPBV	97
36) BENZENE	10.147	78	7536	0.21	PPBV	94
37) CYCLOHEXANE	10.414	84	3652	0.22	PPBV	93
38) TRICHLOROETHYLENE	11.148	95	5600	0.27	PPBV	92
39) 1,2-DICHLOROPROPANE	10.926	63	2640	0.20	PPBV	89
40) BROMODICHLOROMETHANE	11.100	83	8293	0.30	PPBV	96
41) 2,2,4-TRIMETHYLPENTANE	11.163	57	12873	0.21	PPBV	93
43) HEPTANE	11.400	43	3975	0.17	PPBV	94
44) METHYL ISOBUTYL KETONE	11.995	43	3934	0.13	PPBV #	75

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\
Data File : Q4201.D
Acq On : 7 Aug 2007 11:59 am
Operator : danat
Sample : ic223-0.2 (M065)
Misc : MS14034, MSQ223,,,,,1
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Aug 07 12:27:30 2007
Quant Method : C:\msdchem\1\METHODS\Q080707T.m
Quant Title : TO15 by GCMS w/DB-1 60 m X .25 mm ID 1.0 um
QLast Update : Tue Aug 07 11:41:42 2007
Response via : Initial Calibration

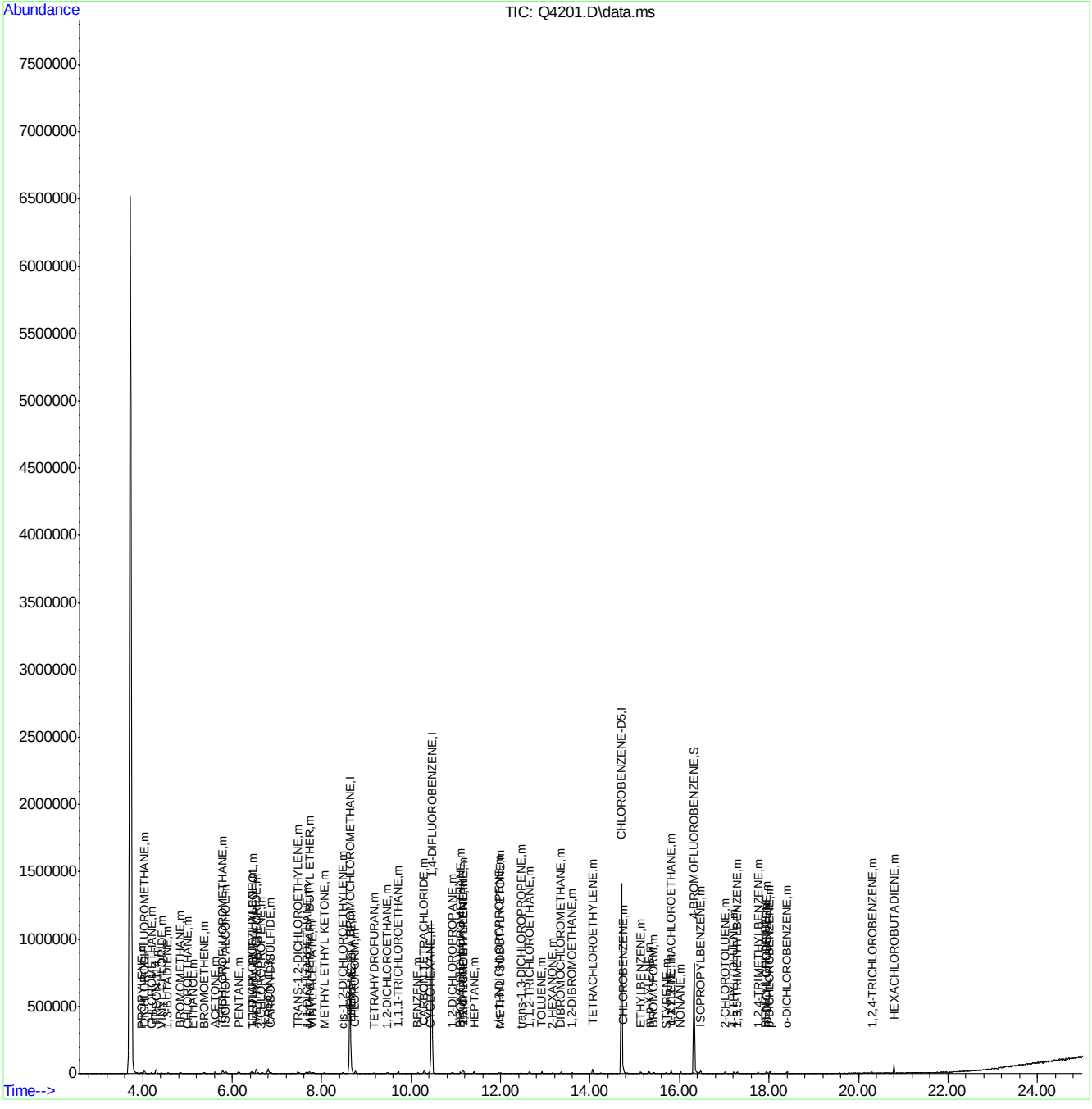
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
45) cis-1,3-DICHLOROPROPENE	11.965	75	3173	0.18	PPBV #	78
46) TOLUENE	12.923	92	6021	0.23	PPBV	92
47) trans-1,3-DICHLOROPROPENE	12.458	75	2817	0.17	PPBV #	79
48) 1,1,2-TRICHLOROETHANE	12.643	83	3089	0.24	PPBV	97
50) 2-HEXANONE	13.152	43	2810m	0.11	PPBV	
51) TETRACHLOROETHYLENE	14.054	164	5676	0.26	PPBV	98
52) DIBROMOCHLOROMETHANE	13.344	129	6009	0.28	PPBV	97
53) 1,2-DIBROMOETHANE	13.598	107	4843	0.22	PPBV #	87
54) CHLOROBENZENE	14.746	112	7913	0.25	PPBV	90
55) ETHYLBENZENE	15.124	91	9140	0.17	PPBV	91
56) m,p-XYLENE	15.312	106	6393m	0.32	PPBV	
57) o-XYLENE	15.825	106	2642	0.13	PPBV #	76
58) STYRENE	15.699	104	3314	0.12	PPBV	94
59) NONANE	16.020	43	3744	0.12	PPBV #	76
60) BROMOFORM	15.420	173	4204	0.22	PPBV #	89
62) 1,1,2,2-TETRACHLOROETHANE	15.809	83	6846	0.21	PPBV	96
63) ISOPROPYLBENZENE	16.466	105	10711	0.17	PPBV	93
64) 2-CHLOROTOLUENE	17.016	91	7154	0.16	PPBV	96
65) 4-ETHYLTOLUENE	17.207	105	7005m	0.13	PPBV	
66) 1,3,5-TRIMETHYLBENZENE	17.289	105	7355	0.14	PPBV	96
67) 1,2,4-TRIMETHYLBENZENE	17.758	105	6307	0.13	PPBV	90
68) m-DICHLOROBENZENE	17.939	146	5597m	0.18	PPBV	
69) BENZYL CHLORIDE	17.917	91	2390	0.10	PPBV #	62
70) p-DICHLOROBENZENE	18.013	146	4692	0.15	PPBV	99
71) o-DICHLOROBENZENE	18.398	146	5267	0.18	PPBV	93
72) HEXACHLOROBUTADIENE	20.794	225	9333	0.44	PPBV	100
73) 1,2,4-TRICHLOROBENZENE	20.301	180	2529	0.21	PPBV	91

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

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\
Data File : Q4201.D
Acq On : 7 Aug 2007 11:59 am
Operator : danat
Sample : ic223-0.2 (M065)
Misc : MS14034, MSQ223,,,,,1
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Aug 07 12:27:30 2007
Quant Method : C:\msdchem\1\METHODS\Q080707T.m
Quant Title : TO15 by GCMS w/DB-1 60 m X .25 mm ID 1.0 um
QLast Update : Tue Aug 07 11:41:42 2007
Response via : Initial Calibration



Quantitation Report (Qedit)

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Data Path : C:\msdchem\1\DATA\
Data File : Q4201.D
Acq On    :  7 Aug 2007  11:59 am
Operator  : danat
Sample    : ic223-0.2 (M065)
Misc      : MS14034, MSQ223,,,,,1
ALS Vial  : 3   Sample Multiplier: 1

Quant Time: Aug 07 12:24:57 2007
Quant Method : C:\msdchem\1\METHODS\Q080707T.m
Quant Title  : TO15  by GCMS w/DB-1 60 m X .25 mm ID 1.0 um
QLast Update : Tue Aug 07 11:41:42 2007
Response via : Initial Calibration
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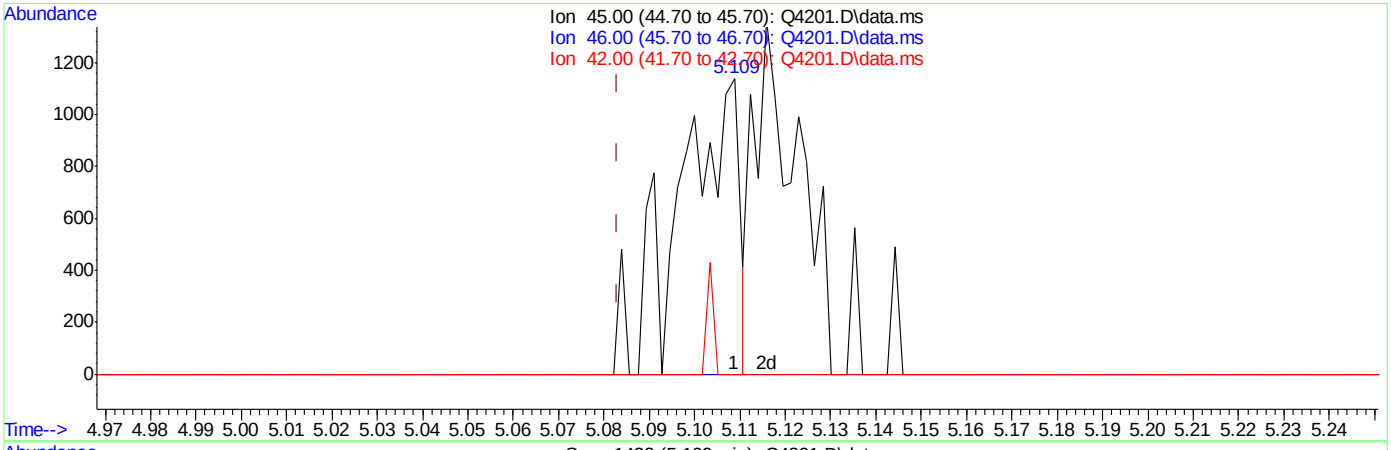
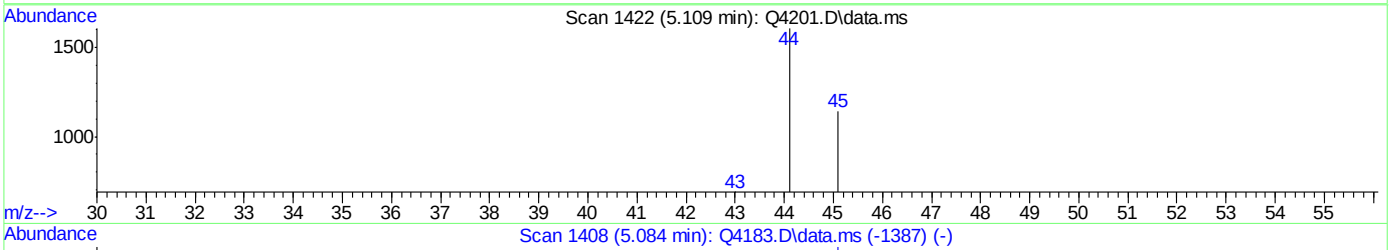
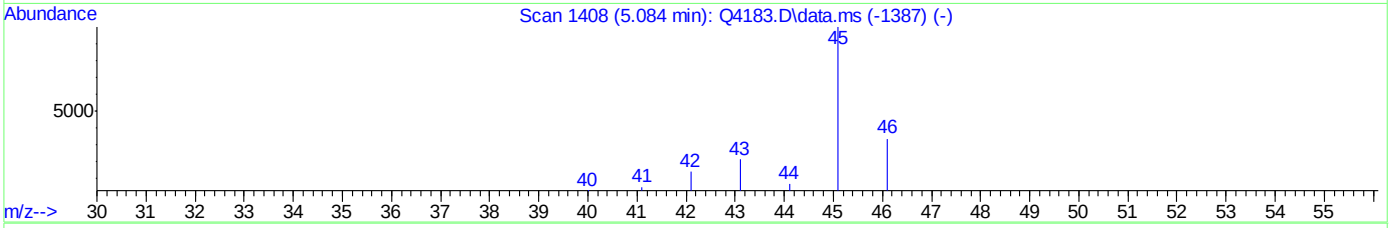






TIC: Q4201.D\data.ms

(16) ETHANOL (m)

5.109min (+0.026) 0.12PPBV

response 1046

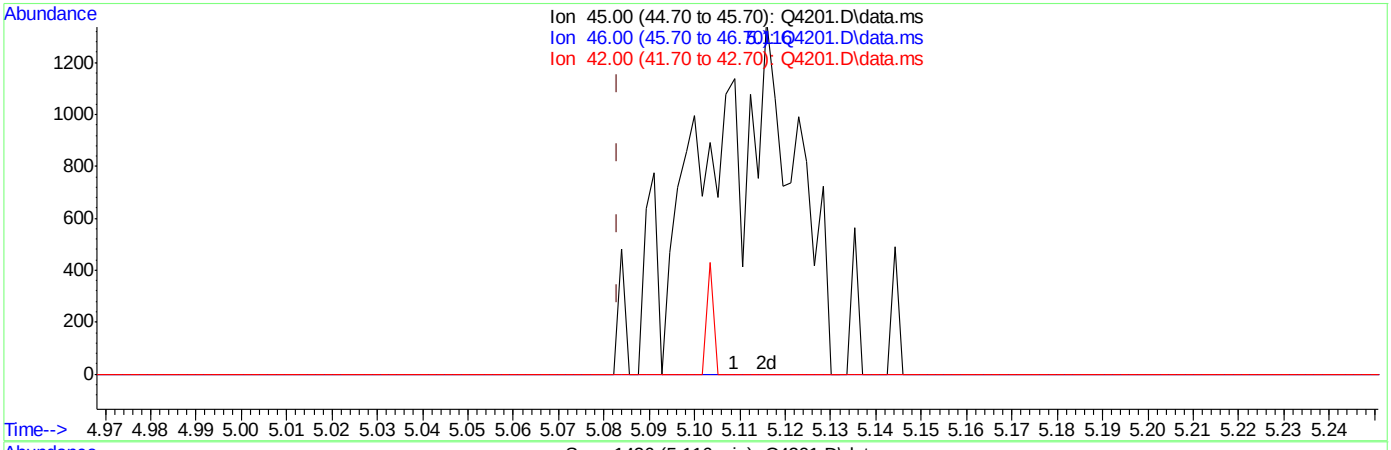
Ion	Exp%	Act%
45.00	100	100
46.00	33.50	0.00#
42.00	11.00	4.40
0.00	0.00	0.00

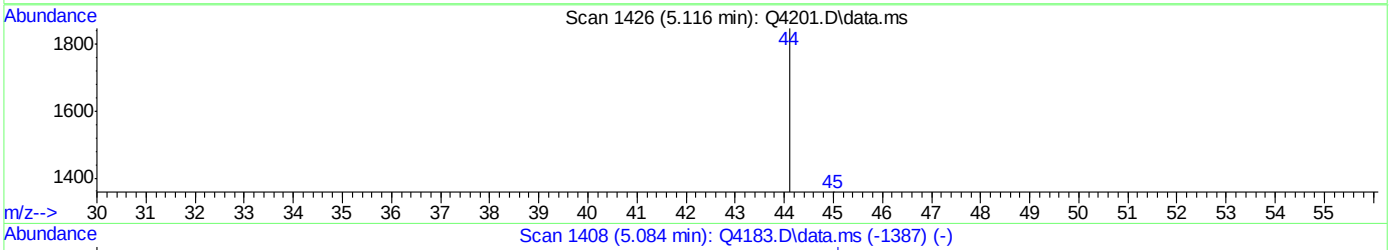
ACCUTEST Laboratories M66801

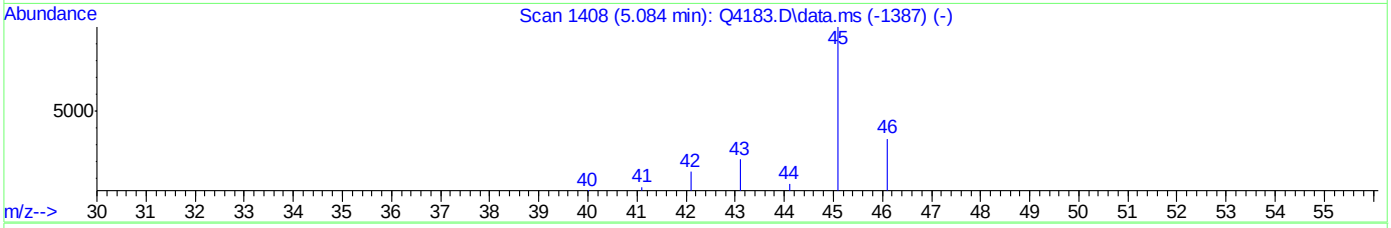
Quantitation Report (Qedit)

```
Data Path : C:\msdchem\1\DATA\
Data File : Q4201.D
Acq On    :  7 Aug 2007  11:59 am
Operator  : danat
Sample    : ic223-0.2 (M065)
Misc      : MS14034, MSQ223,,,,,1
ALS Vial  : 3   Sample Multiplier: 1

Quant Time: Aug 07 12:24:57 2007
Quant Method : C:\msdchem\1\METHODS\Q080707T.m
Quant Title  : TO15  by GCMS w/DB-1 60 m X .25 mm ID 1.0 um
QLast Update : Tue Aug 07 11:41:42 2007
Response via : Initial Calibration
```





TIC: Q4201.D\data.ms

(16) ETHANOL (m)

5.116min (+0.033) 0.20PPBV m

response 1767

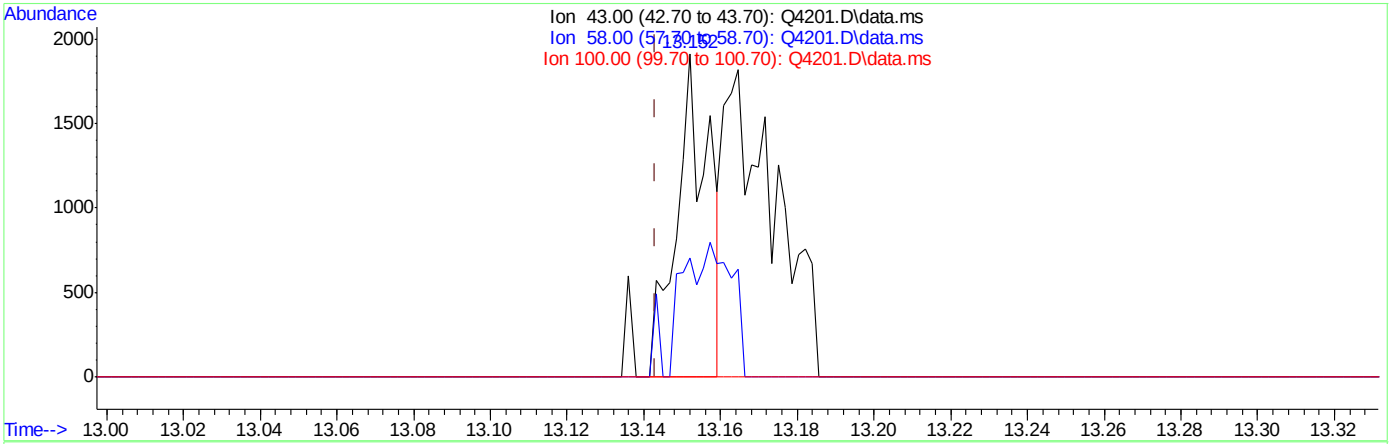
Ion	Exp%	Act%
45.00	100	100
46.00	33.50	0.00#
42.00	11.00	2.60
0.00	0.00	0.00

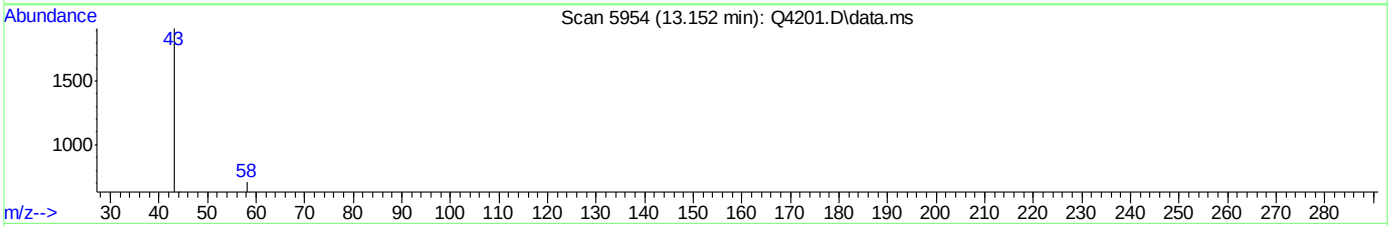
ACCUTEST Laboratories M66801

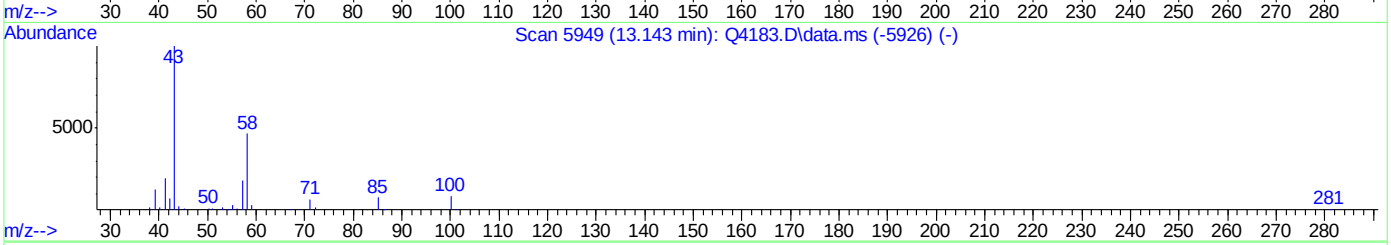
Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\
Data File : Q4201.D
Acq On : 7 Aug 2007 11:59 am
Operator : danat
Sample : ic223-0.2 (M065)
Misc : MS14034, MSQ223,,,,,1
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Aug 07 12:24:57 2007
Quant Method : C:\msdchem\1\METHODS\Q080707T.m
Quant Title : TO15 by GCMS w/DB-1 60 m X .25 mm ID 1.0 um
QLast Update : Tue Aug 07 11:41:42 2007
Response via : Initial Calibration







TIC: Q4201.D\data.ms

(50) 2-HEXANONE (m)

13.152min (+0.009) 0.04PPBV

response 1122

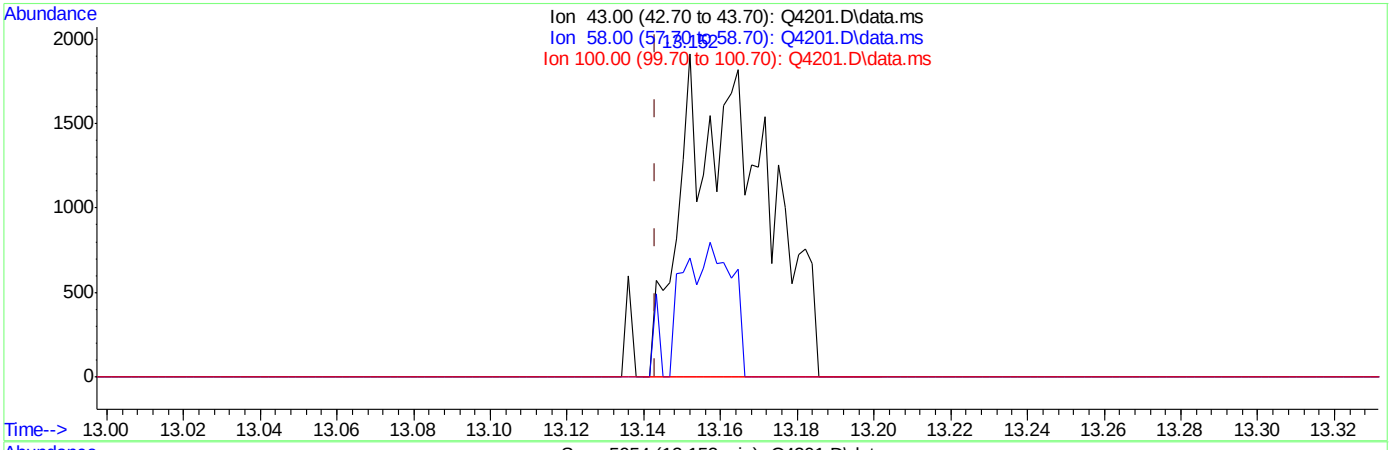
Ion	Exp%	Act%
43.00	100	100
58.00	47.00	66.40
100.00	7.70	0.00
0.00	0.00	0.00

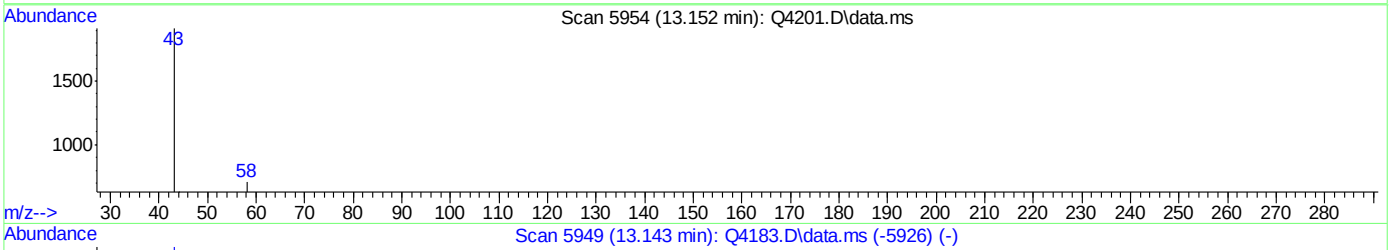
ACCUTEST Laboratories M66801

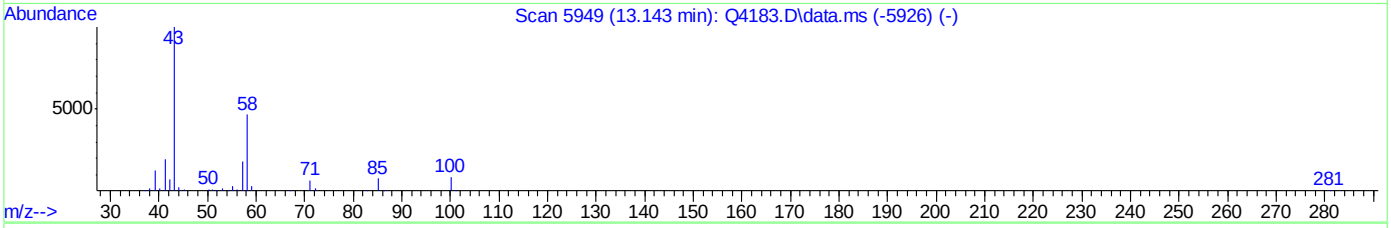
Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\
Data File : Q4201.D
Acq On : 7 Aug 2007 11:59 am
Operator : danat
Sample : ic223-0.2 (M065)
Misc : MS14034, MSQ223,,,,,1
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Aug 07 12:24:57 2007
Quant Method : C:\msdchem\1\METHODS\Q080707T.m
Quant Title : TO15 by GCMS w/DB-1 60 m X .25 mm ID 1.0 um
QLast Update : Tue Aug 07 11:41:42 2007
Response via : Initial Calibration







TIC: Q4201.D\data.ms

(50) 2-HEXANONE (m)

13.152min (+0.009) 0.11PPBV m

response 2810

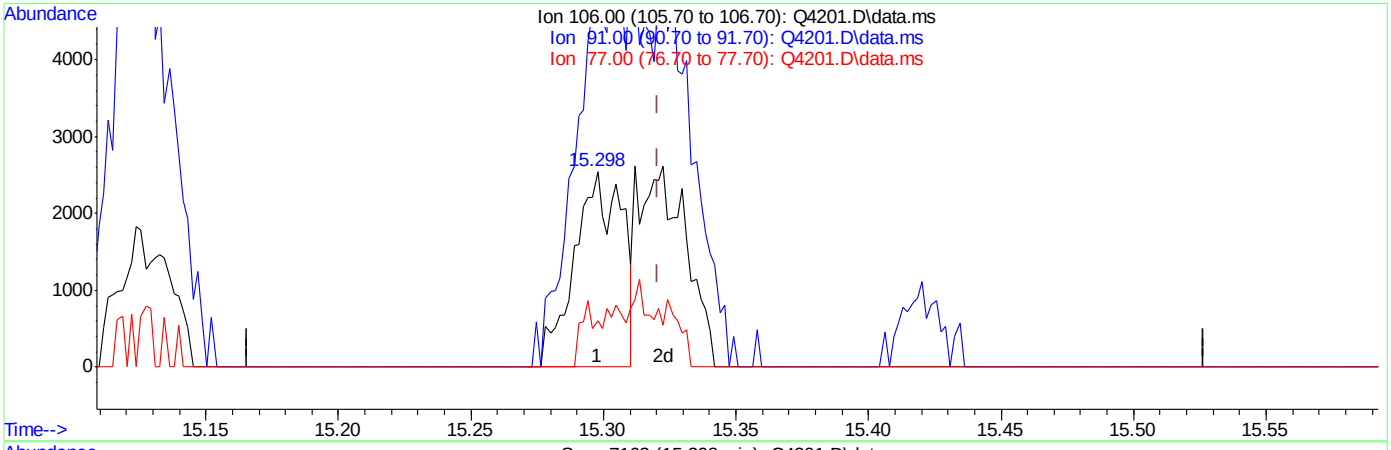
Ion	Exp%	Act%
43.00	100	100
58.00	47.00	26.51#
100.00	7.70	0.00
0.00	0.00	0.00

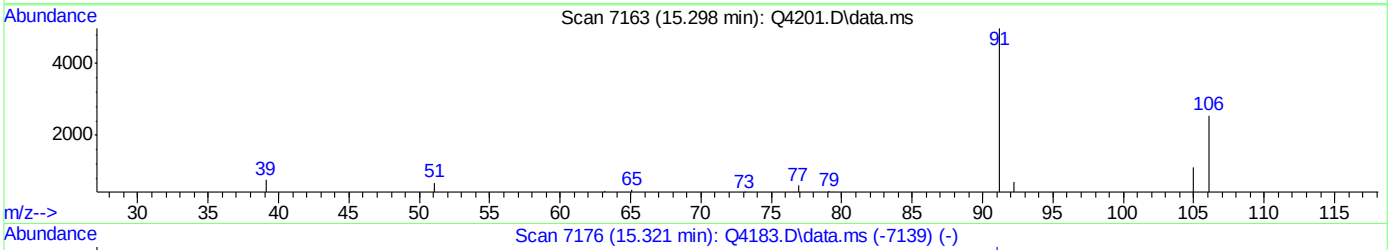
ACCUTEST Laboratories M66801

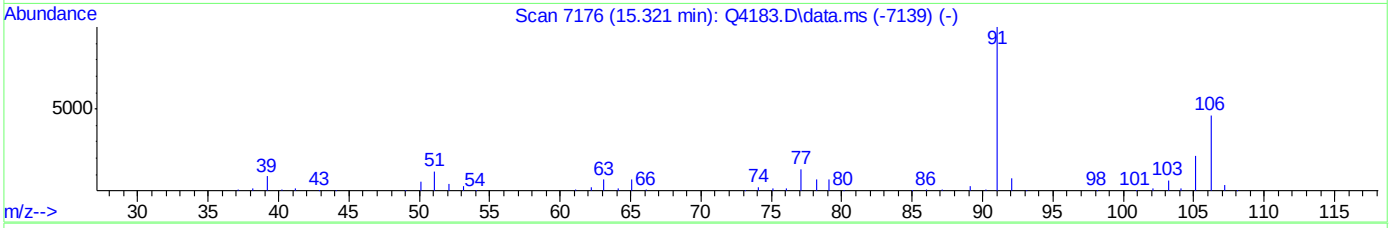
Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\
Data File : Q4201.D
Acq On : 7 Aug 2007 11:59 am
Operator : danat
Sample : ic223-0.2 (M065)
Misc : MS14034, MSQ223,,,,,1
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Aug 07 12:24:57 2007
Quant Method : C:\msdchem\1\METHODS\Q080707T.m
Quant Title : TO15 by GCMS w/DB-1 60 m X .25 mm ID 1.0 um
QLast Update : Tue Aug 07 11:41:42 2007
Response via : Initial Calibration







TIC: Q4201.D\data.ms

(56) m,p-XYLENE (m)

15.298min (-0.023) 0.16PPBV

response 3148

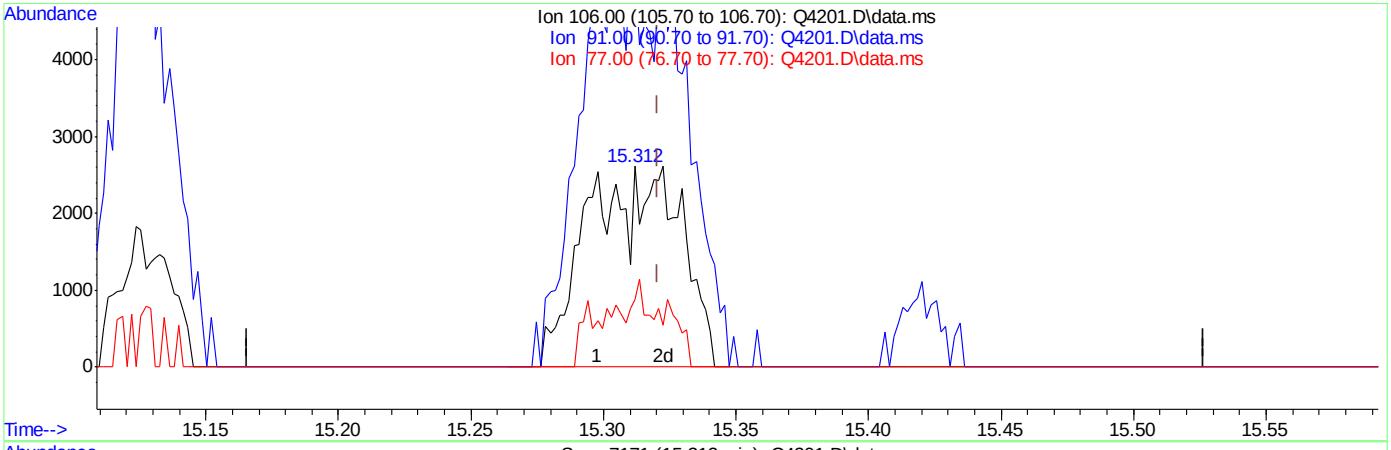
Ion	Exp%	Act%
106.00	100	100
91.00	217.70	195.64
77.00	29.20	23.47
0.00	0.00	0.00

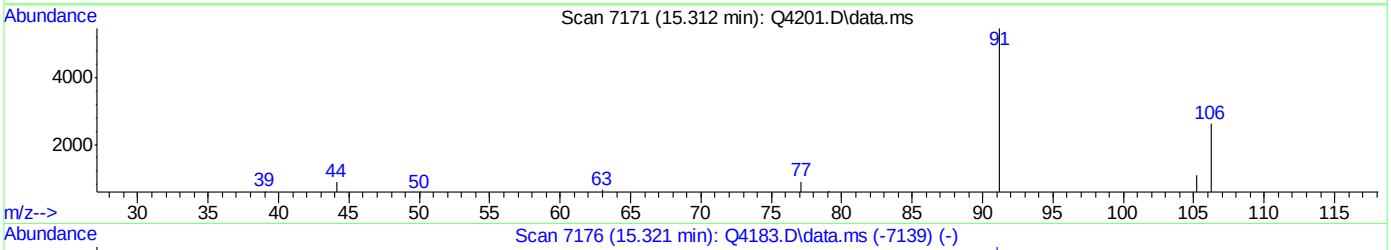
ACCUTEST Laboratories M66801

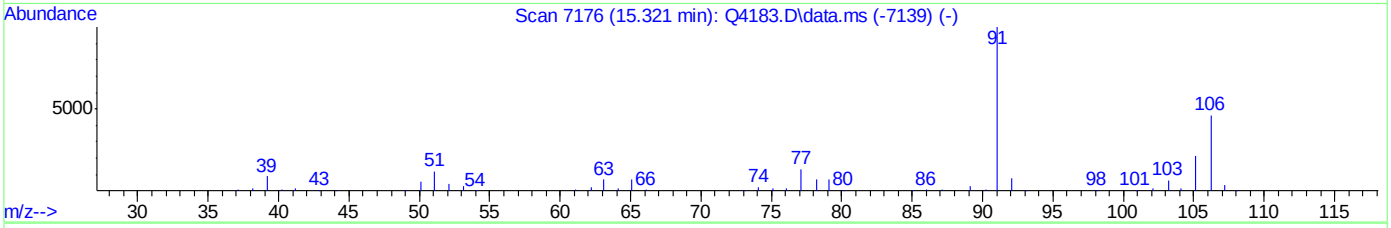
Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\
Data File : Q4201.D
Acq On : 7 Aug 2007 11:59 am
Operator : danat
Sample : ic223-0.2 (M065)
Misc : MS14034, MSQ223,,,,,1
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Aug 07 12:24:57 2007
Quant Method : C:\msdchem\1\METHODS\Q080707T.m
Quant Title : TO15 by GCMS w/DB-1 60 m X .25 mm ID 1.0 um
QLast Update : Tue Aug 07 11:41:42 2007
Response via : Initial Calibration







TIC: Q4201.D\data.ms

(56) m,p-XYLENE (m)

15.312min (-0.009) 0.32PPBV m

response 6393

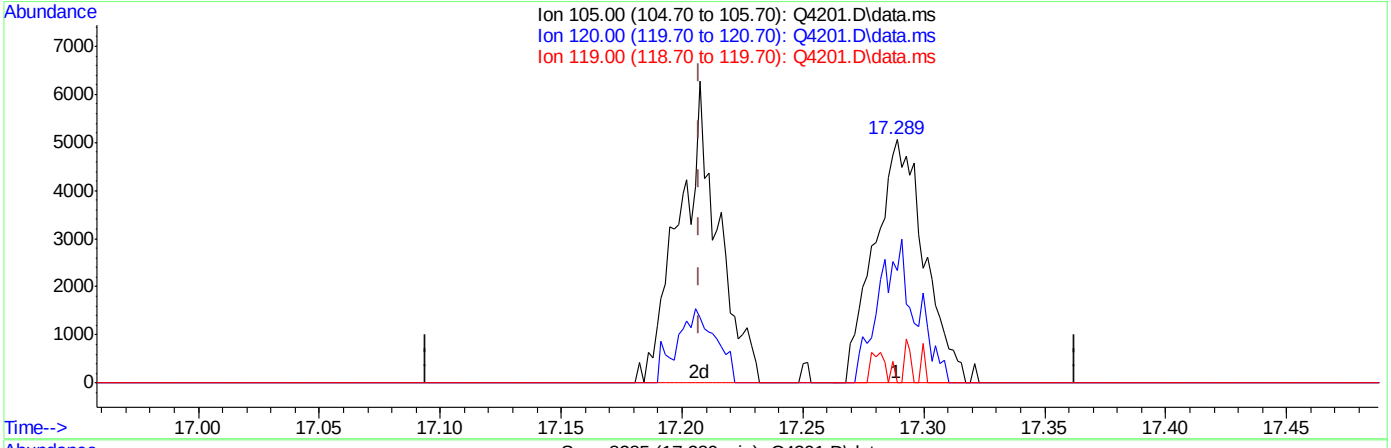
Ion	Exp%	Act%
106.00	100	100
91.00	217.70	209.71
77.00	29.20	33.73
0.00	0.00	0.00

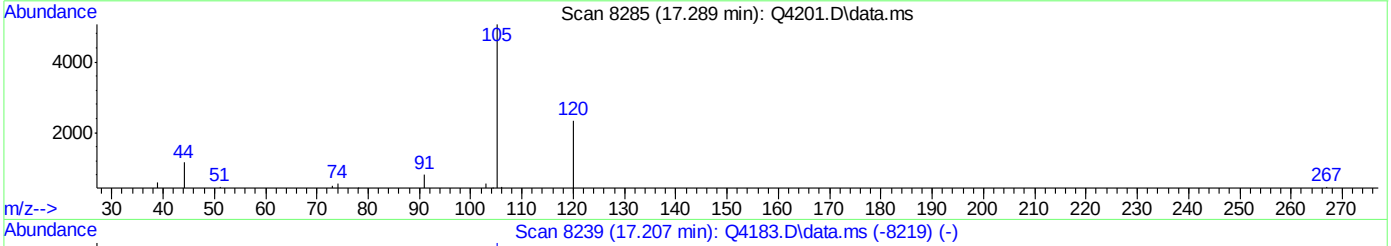
ACCUTEST Laboratories M66801

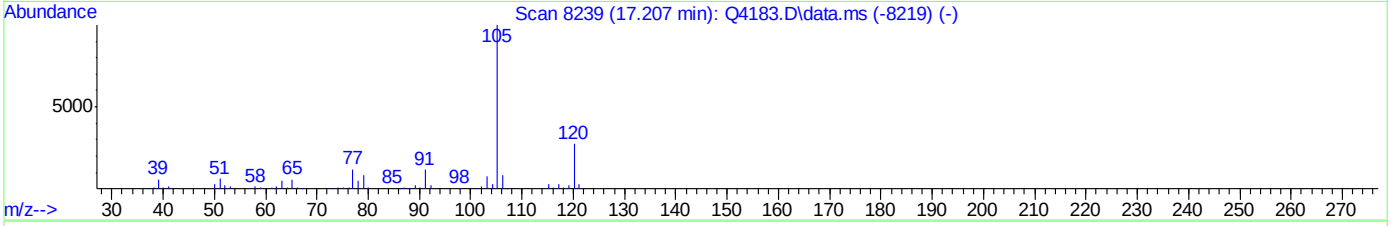
Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\
Data File : Q4201.D
Acq On : 7 Aug 2007 11:59 am
Operator : danat
Sample : ic223-0.2 (M065)
Misc : MS14034, MSQ223,,,,,1
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Aug 07 12:24:57 2007
Quant Method : C:\msdchem\1\METHODS\Q080707T.m
Quant Title : TO15 by GCMS w/DB-1 60 m X .25 mm ID 1.0 um
QLast Update : Tue Aug 07 11:41:42 2007
Response via : Initial Calibration







TIC: Q4201.D\data.ms

(65) 4-ETHYLTOLUENE (m)

17.289min (+0.082) 0.14PPBV

response 7357

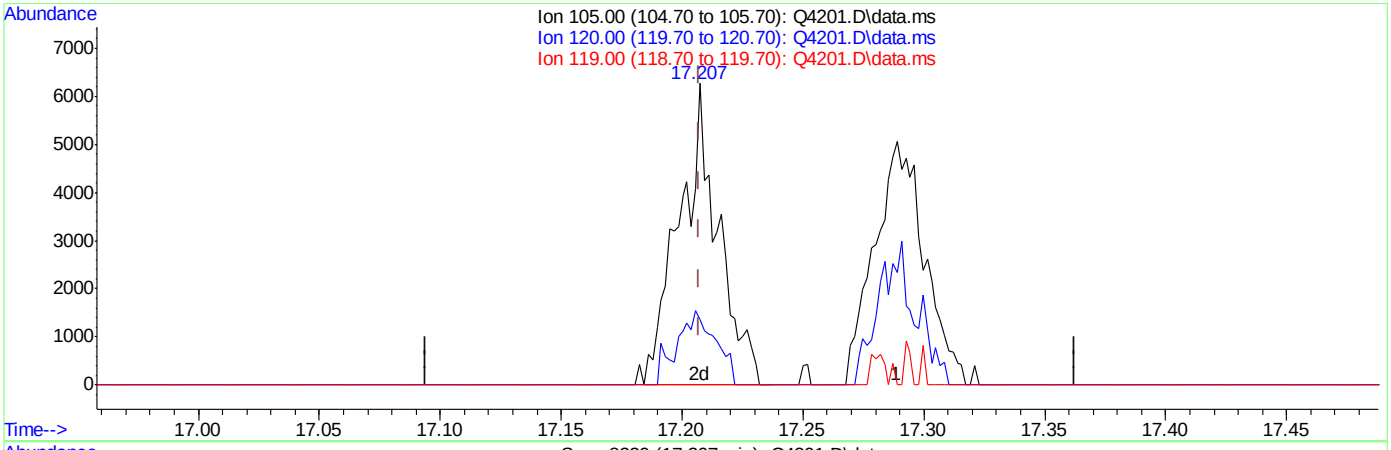
Ion	Exp%	Act%
105.00	100	100
120.00	27.90	43.33
119.00	2.10	3.90
0.00	0.00	0.00

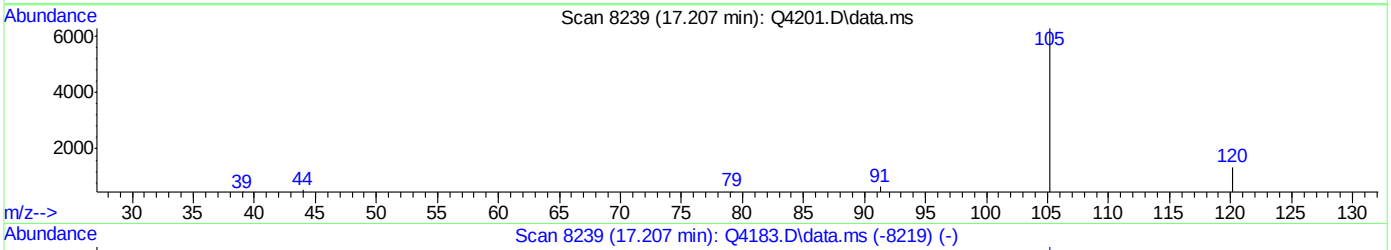
ACCUTEST Laboratories M66801

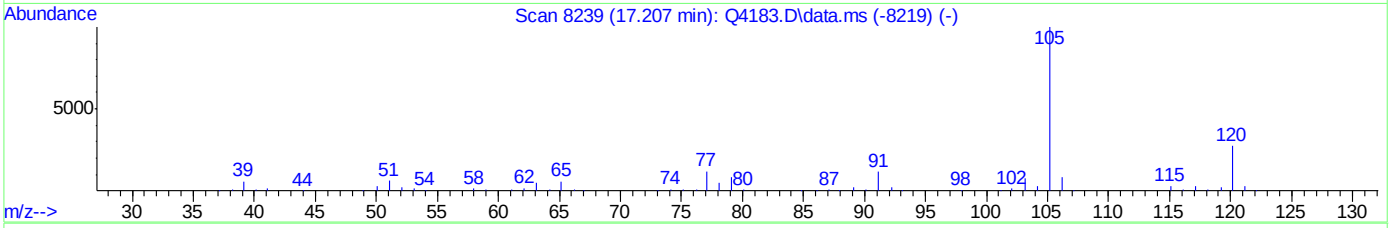
Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\
Data File : Q4201.D
Acq On : 7 Aug 2007 11:59 am
Operator : danat
Sample : ic223-0.2 (M065)
Misc : MS14034, MSQ223,,,,,1
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Aug 07 12:24:57 2007
Quant Method : C:\msdchem\1\METHODS\Q080707T.m
Quant Title : TO15 by GCMS w/DB-1 60 m X .25 mm ID 1.0 um
QLast Update : Tue Aug 07 11:41:42 2007
Response via : Initial Calibration







TIC: Q4201.D\data.ms

(65) 4-ETHYLTOLUENE (m)

17.207min (+0.000) 0.13PPBV m

response 7005

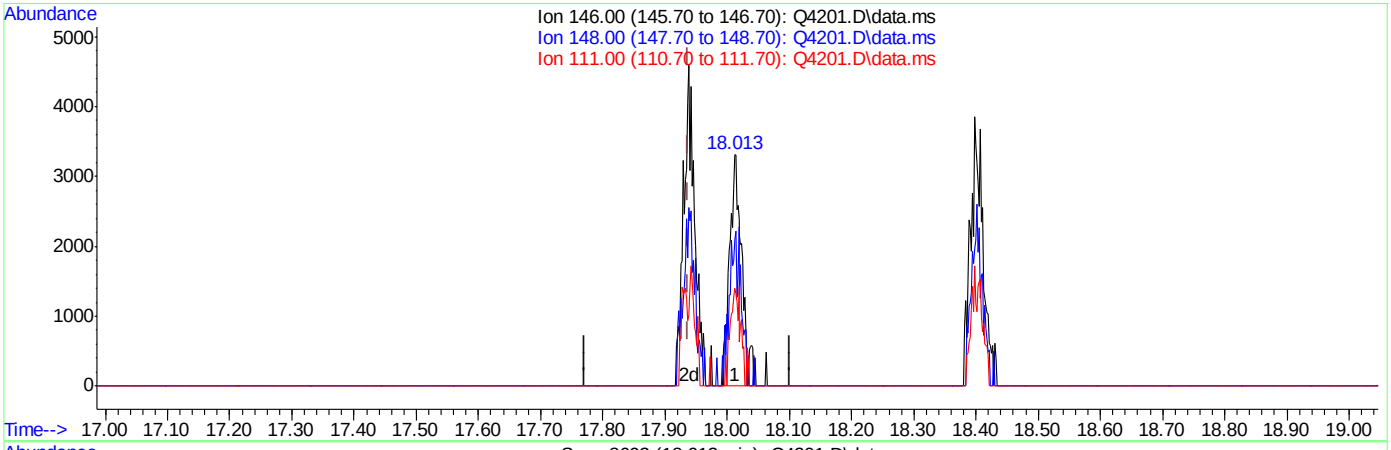
Ion	Exp%	Act%
105.00	100	100
120.00	27.90	45.51
119.00	2.10	4.10
0.00	0.00	0.00

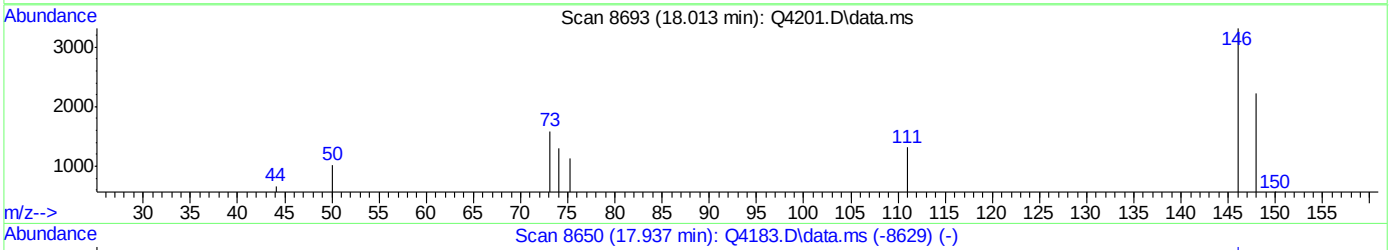
ACCUTEST Laboratories M66801

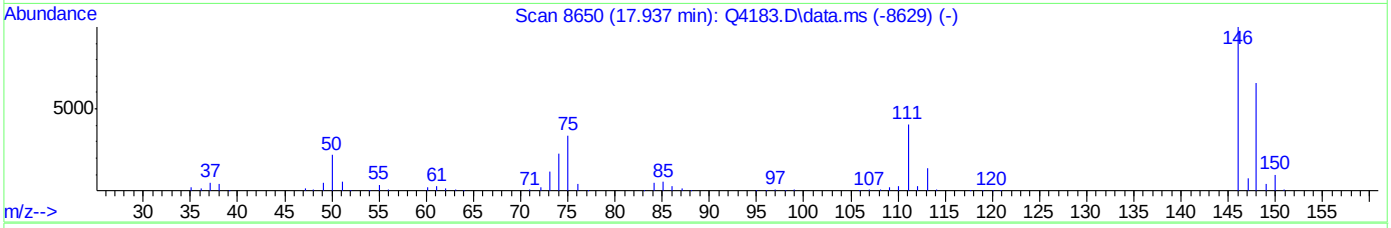
Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\
Data File : Q4201.D
Acq On : 7 Aug 2007 11:59 am
Operator : danat
Sample : ic223-0.2 (M065)
Misc : MS14034, MSQ223,,,,,1
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Aug 07 12:24:57 2007
Quant Method : C:\msdchem\1\METHODS\Q080707T.m
Quant Title : TO15 by GCMS w/DB-1 60 m X .25 mm ID 1.0 um
QLast Update : Tue Aug 07 11:41:42 2007
Response via : Initial Calibration







TIC: Q4201.D\data.ms

(68) m-DICHLOROBENZENE (m)

18.013min (+0.076) 0.15PPBV

response 4692

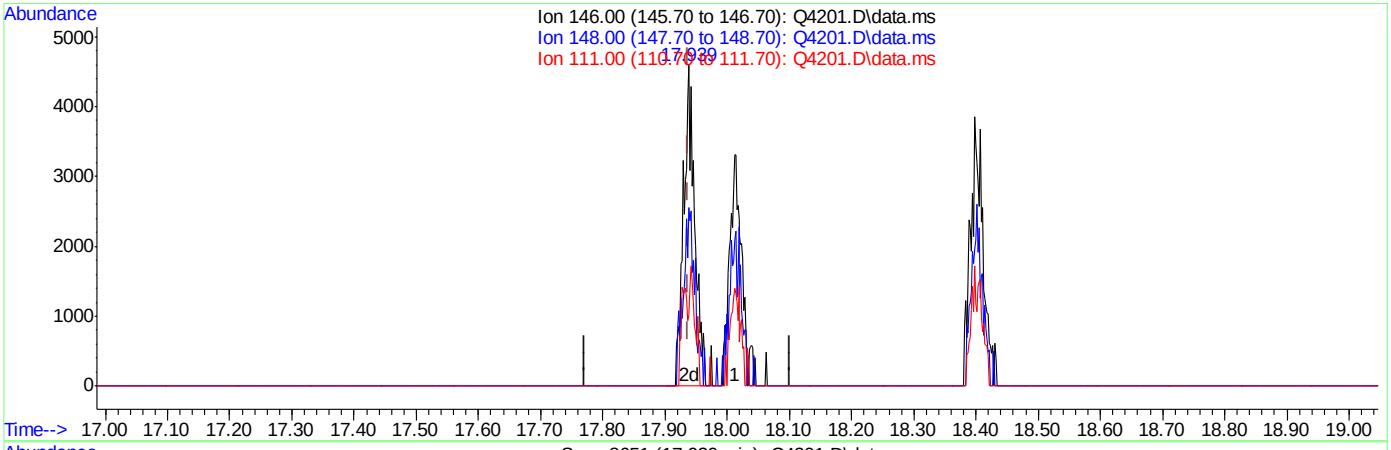
Ion	Exp%	Act%
146.00	100	100
148.00	64.20	64.83
111.00	40.70	38.34
0.00	0.00	0.00

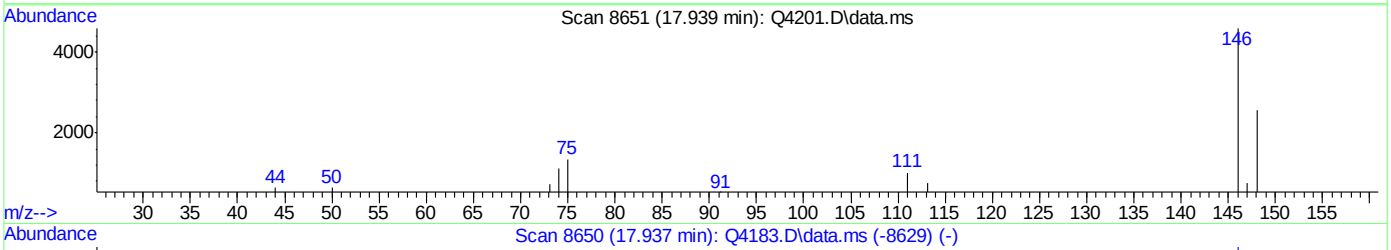
ACCUTEST Laboratories M66801

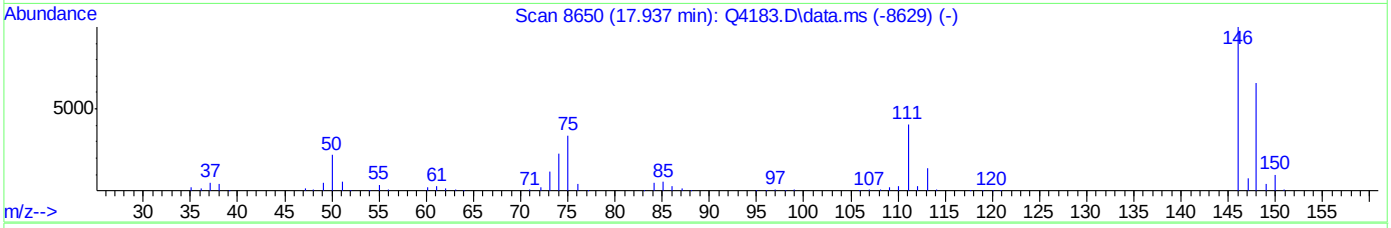
Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\
Data File : Q4201.D
Acq On : 7 Aug 2007 11:59 am
Operator : danat
Sample : ic223-0.2 (M065)
Misc : MS14034, MSQ223,,,,,1
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Aug 07 12:24:57 2007
Quant Method : C:\msdchem\1\METHODS\Q080707T.m
Quant Title : TO15 by GCMS w/DB-1 60 m X .25 mm ID 1.0 um
QLast Update : Tue Aug 07 11:41:42 2007
Response via : Initial Calibration







TIC: Q4201.D\data.ms

(68) m-DICHLOROBENZENE (m)

17.939min (+0.002) 0.18PPBV m

response 5597

Ion	Exp%	Act%
146.00	100	100
148.00	64.20	54.35
111.00	40.70	32.14
0.00	0.00	0.00

Manual Integrations APPROVED (compounds with "m" flag)
Philip Bassignani
08/09/07 15:52

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\
Data File : Q4202.D
Acq On : 7 Aug 2007 12:43 pm
Operator : danat
Sample : ic223-40 (M090)
Misc : MS14034, MSQ223,,,,,1
ALS Vial : 4 Sample Multiplier: 1

Quant Time: Aug 07 13:10:29 2007
Quant Method : C:\msdchem\1\METHODS\Q080707T.m
Quant Title : TO15 by GCMS w/DB-1 60 m X .25 mm ID 1.0 um
QLast Update : Tue Aug 07 11:41:42 2007
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) BROMOCHLOROMETHANE	8.633	128	189089	10.00	PPBV	0.00
35) 1,4-DIFLUOROBENZENE	10.461	114	829105	10.00	PPBV	0.00
49) CHLOROBENZENE-D5	14.707	117	760820	10.00	PPBV	0.00

System Monitoring Compounds

61) 4-BROMOFLUOROBENZENE	16.325	95	333785	4.74	PPBV	0.00

Spiked Amount 5.000 Range 57 - 139 Recovery = 94.80%

Target Compounds						Qvalue
2) DICHLORODIFLUOROMETHANE	4.033	85	3606171	49.97	PPBV	98
3) PROPYLENE	3.964	41	479287	34.34	PPBV	87
4) FREON 114	4.298	85	3187985	46.63	PPBV	95
5) CHLOROMETHANE	4.200	50	704163	43.19	PPBV	94
6) VINYL CHLORIDE	4.420	62	879250	43.87	PPBV	100
7) 1,3-BUTADIENE	4.557	39	721091	42.84	PPBV	96
8) BROMOMETHANE	4.832	94	973474	43.52	PPBV	99
9) CHLOROETHANE	5.007	64	409463	45.93	PPBV	96
10) TRICHLOROFLUOROMETHANE	5.785	101	3512923	45.79	PPBV	99
11) ISOPROPYL ALCOHOL	5.822	45	1284868	24.05	PPBV	98
12) ACETONE	5.590	43	1277308	21.60	PPBV	95
13) PENTANE	6.142	42	785293	36.67	PPBV	95
14) 1,1-DICHLOROETHYLENE	6.426	96	1009277	43.72	PPBV	88
15) CARBON DISULFIDE	6.855	76	2825271	61.83	PPBV	97
16) ETHANOL	5.096	45	195456	20.30	PPBV	98
17) BROMOETHENE	5.370	106	950019	46.05	PPBV #	96
18) METHYLENE CHLORIDE	6.539	84	915826	11.05	PPBV	94
19) 3-CHLOROPROPENE	6.658	39	995358	51.15	PPBV	90
20) FREON 113	6.796	151	1843990	34.86	PPBV	94
21) TRANS-1,2-DICHLOROETHY...	7.466	96	996929	46.95	PPBV	90
22) TERTIARY BUTYL ALCOHOL	6.429	59	1807429	49.88	PPBV	96
23) METHYL TERTIARY BUTYL ...	7.703	73	2283849	42.01	PPBV	95
24) TETRAHYDROFURAN	9.134	42	595834	36.13	PPBV	91
25) HEXANE	8.667	57	1137360	22.86	PPBV	97
26) VINYL ACETATE	7.789	43	1667873	40.18	PPBV	95
27) 1,1-DICHLOROETHANE	7.663	63	2014658	51.17	PPBV	100
28) METHYL ETHYL KETONE	8.028	43	1311321	33.87	PPBV	98
29) cis-1,2-DICHLOROETHYLENE	8.470	96	955007	58.74	PPBV	98
30) ETHYL ACETATE	8.664	43	2237223	29.98	PPBV	99
31) CHLOROFORM	8.754	83	2535225	51.09	PPBV	99
32) 1,1,1-TRICHLOROETHANE	9.707	97	2753857	65.16	PPBV	99
33) CARBON TETRACHLORIDE	10.289	117	3005998	66.30	PPBV	99
34) 1,2-DICHLOROETHANE	9.462	62	1742978	57.80	PPBV	99
36) BENZENE	10.149	78	2693170	67.17	PPBV	100
37) CYCLOHEXANE	10.413	84	1046989	57.55	PPBV	98
38) TRICHLOROETHYLENE	11.146	95	1508570	67.35	PPBV	97
39) 1,2-DICHLOROPROPANE	10.925	63	868834	59.06	PPBV	96
40) BROMODICHLOROMETHANE	11.107	83	2644238m	86.12	PPBV	
41) 2,2,4-TRIMETHYLPENTANE	11.169	57	4071003	60.28	PPBV	99
42) 1,4-DIOXANE	11.130	88	462037	54.09	PPBV #	87
43) HEPTANE	11.407	43	1377051	54.09	PPBV	95

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\
Data File : Q4202.D
Acq On : 7 Aug 2007 12:43 pm
Operator : danat
Sample : ic223-40 (M090)
Misc : MS14034, MSQ223,,,,,1
ALS Vial : 4 Sample Multiplier: 1

Quant Time: Aug 07 13:10:29 2007
Quant Method : C:\msdchem\1\METHODS\Q080707T.m
Quant Title : TO15 by GCMS w/DB-1 60 m X .25 mm ID 1.0 um
QLast Update : Tue Aug 07 11:41:42 2007
Response via : Initial Calibration

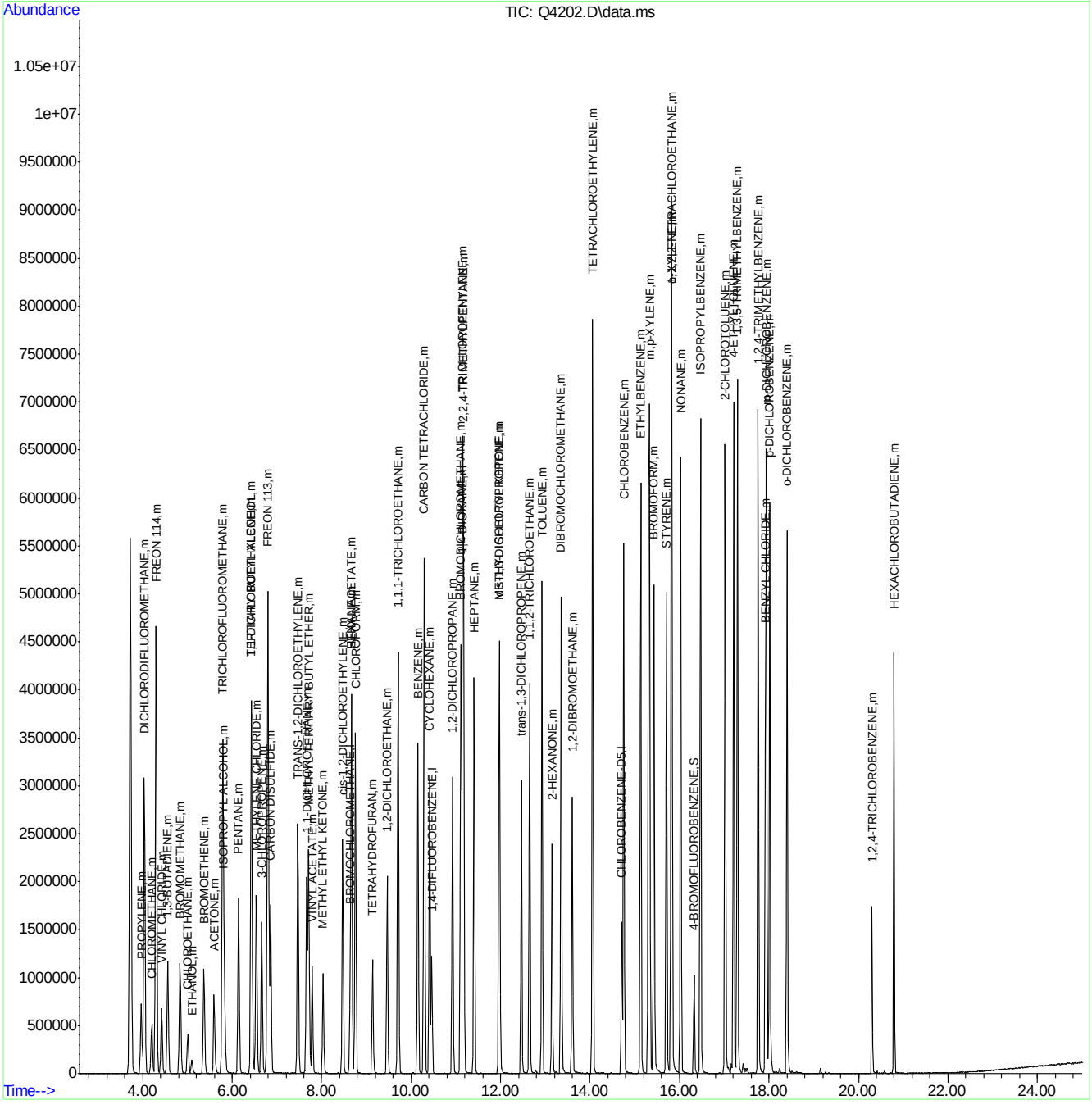
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) METHYL ISOBUTYL KETONE	11.979	43	1654561	49.52	PPBV	98
45) cis-1,3-DICHLOROPROPENE	11.963	75	1499323	76.92	PPBV	99
46) TOLUENE	12.925	92	1912109	65.62	PPBV	100
47) trans-1,3-DICHLOROPROPENE	12.463	75	1429971	79.48	PPBV	97
48) 1,1,2-TRICHLOROETHANE	12.646	83	970542	67.87	PPBV	99
50) 2-HEXANONE	13.147	43	1499877	51.99	PPBV	97
51) TETRACHLOROETHYLENE	14.059	164	1538916	62.38	PPBV	99
52) DIBROMOCHLOROMETHANE	13.352	129	2467534	99.51	PPBV	100
53) 1,2-DIBROMOETHANE	13.601	107	1781715	72.46	PPBV	99
54) CHLOROBENZENE	14.753	112	2543976	70.78	PPBV	96
55) ETHYLBENZENE	15.131	91	4185023	67.79	PPBV	99
56) m,p-XYLENE	15.330	106	2981854	132.70	PPBV	98
57) o-XYLENE	15.826	106	1476800	63.37	PPBV	97
58) STYRENE	15.706	104	2219256	70.74	PPBV	97
59) NONANE	16.025	43	2061929	59.44	PPBV	100
60) BROMOFORM	15.427	173	2360168	108.48	PPBV	99
62) 1,1,2,2-TETRACHLOROETHANE	15.814	83	2234569m	61.29	PPBV	
63) ISOPROPYLBENZENE	16.469	105	4340749m	61.24	PPBV	
64) 2-CHLOROTOLUENE	17.019	91	3472177	66.81	PPBV	98
65) 4-ETHYLTOLUENE	17.209	105	3965218	64.19	PPBV	99
66) 1,3,5-TRIMETHYLBENZENE	17.294	105	3728843	60.61	PPBV	97
67) 1,2,4-TRIMETHYLBENZENE	17.759	105	3538206	62.65	PPBV	98
68) m-DICHLOROBENZENE	17.942	146	2194132	62.28	PPBV	99
69) BENZYL CHLORIDE	17.919	91	2114102	81.27	PPBV	99
70) p-DICHLOROBENZENE	18.017	146	2088243	60.08	PPBV	99
71) o-DICHLOROBENZENE	18.402	146	1979359	58.98	PPBV	100
72) HEXACHLOROBUTADIENE	20.794	225	732964	30.55	PPBV	99
73) 1,2,4-TRICHLOROBENZENE	20.302	180	459415	33.81	PPBV	98

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

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\
Data File : Q4202.D
Acq On : 7 Aug 2007 12:43 pm
Operator : danat
Sample : ic223-40 (M090)
Misc : MS14034, MSQ223,,,,,1
ALS Vial : 4 Sample Multiplier: 1

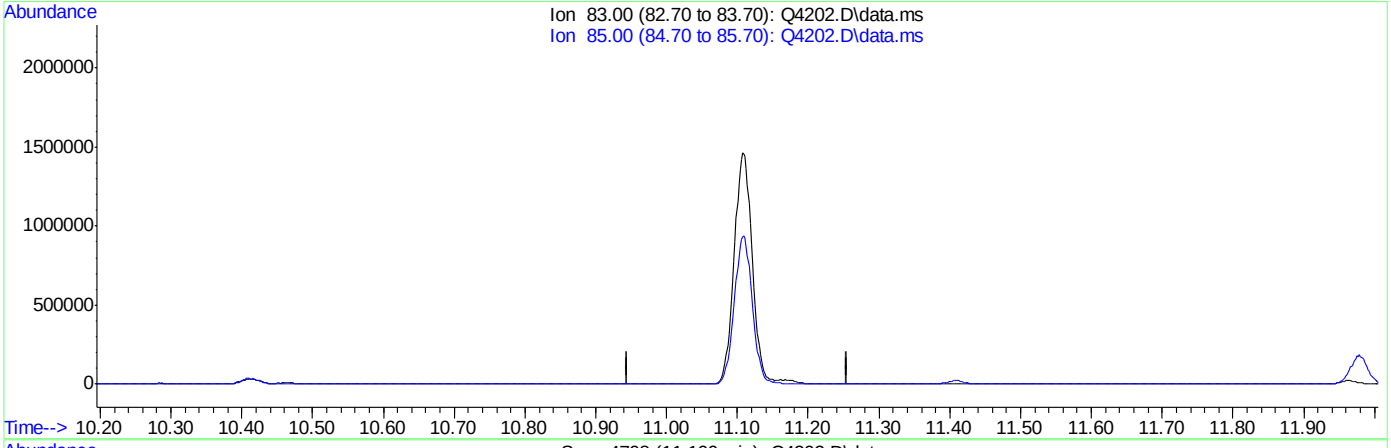
Quant Time: Aug 07 13:10:29 2007
Quant Method : C:\msdchem\1\METHODS\Q080707T.m
Quant Title : TO15 by GCMS w/DB-1 60 m X .25 mm ID 1.0 um
QLast Update : Tue Aug 07 11:41:42 2007
Response via : Initial Calibration

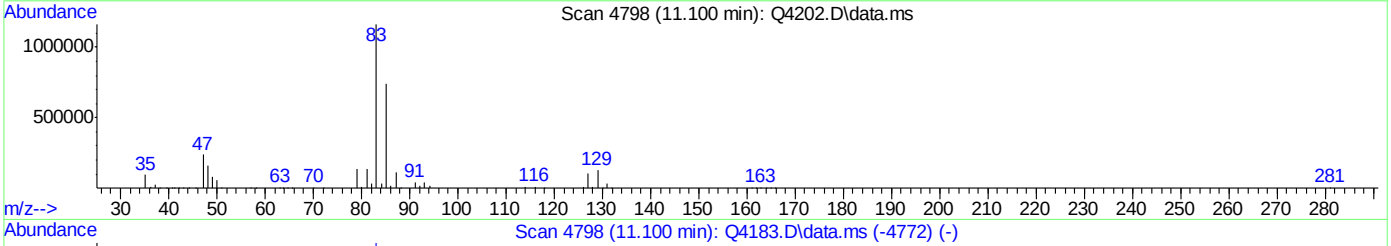


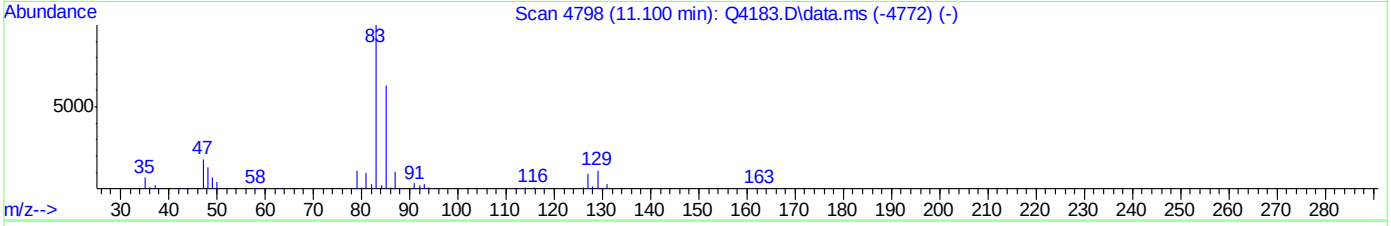
Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\
Data File : Q4202.D
Acq On : 7 Aug 2007 12:43 pm
Operator : danat
Sample : ic223-40 (M090)
Misc : MS14034, MSQ223,,,,,1
ALS Vial : 4 Sample Multiplier: 1

Quant Time: Aug 07 13:09:00 2007
Quant Method : C:\msdchem\1\METHODS\Q080707T.m
Quant Title : TO15 by GCMS w/DB-1 60 m X .25 mm ID 1.0 um
QLast Update : Tue Aug 07 11:41:42 2007
Response via : Initial Calibration







TIC: Q4202.D\data.ms

(40) BROMODICHLOROMETHANE (m)

11.100min (-11.100) 0.00PPBV

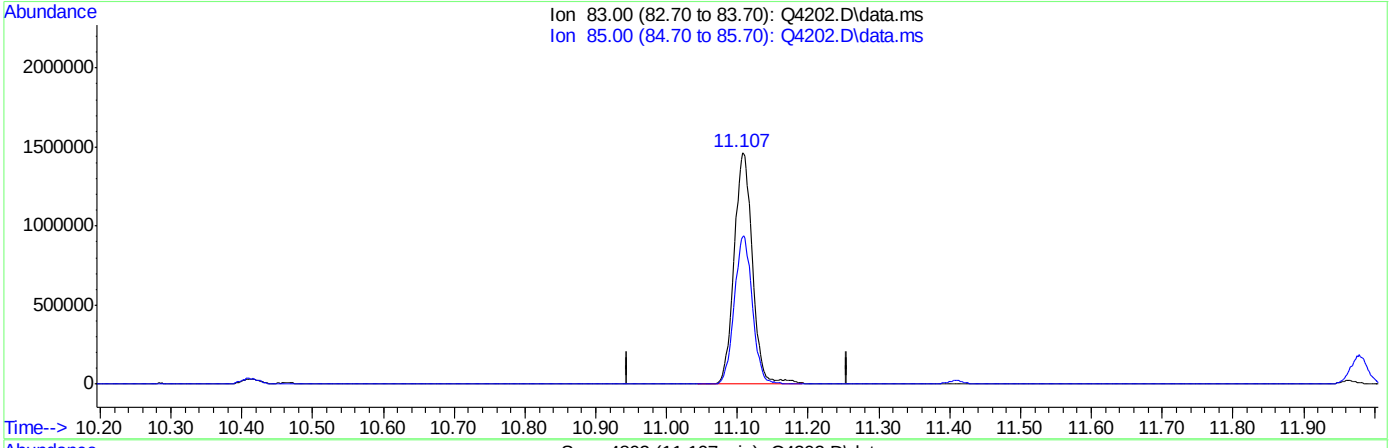
response 0

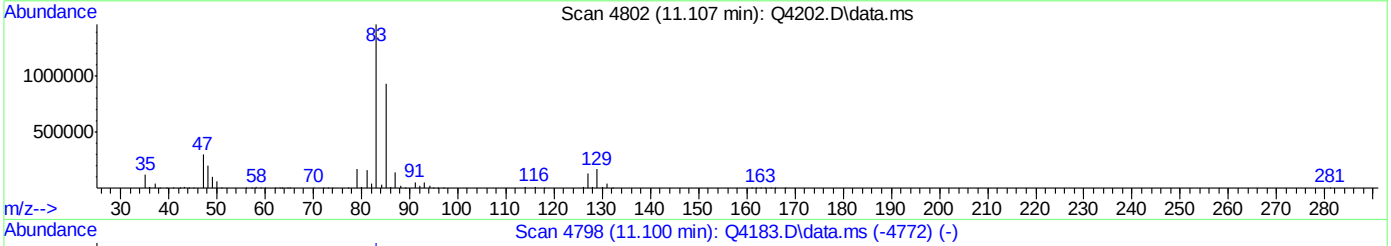
Ion	Exp%	Act%
83.00	100	0.00
85.00	64.30	0.00#
0.00	0.00	0.00
0.00	0.00	0.00

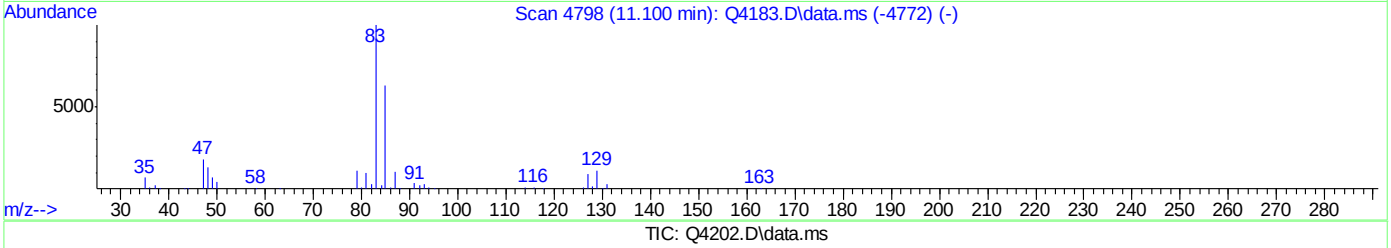
Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\
Data File : Q4202.D
Acq On : 7 Aug 2007 12:43 pm
Operator : danat
Sample : ic223-40 (M090)
Misc : MS14034, MSQ223,,,,,1
ALS Vial : 4 Sample Multiplier: 1

Quant Time: Aug 07 13:09:00 2007
Quant Method : C:\msdchem\1\METHODS\Q080707T.m
Quant Title : TO15 by GCMS w/DB-1 60 m X .25 mm ID 1.0 um
QLast Update : Tue Aug 07 11:41:42 2007
Response via : Initial Calibration







TIC: Q4202.D\data.ms

(40) BROMODICHLOROMETHANE (m)

11.107min (+0.007) 86.12PPBV m

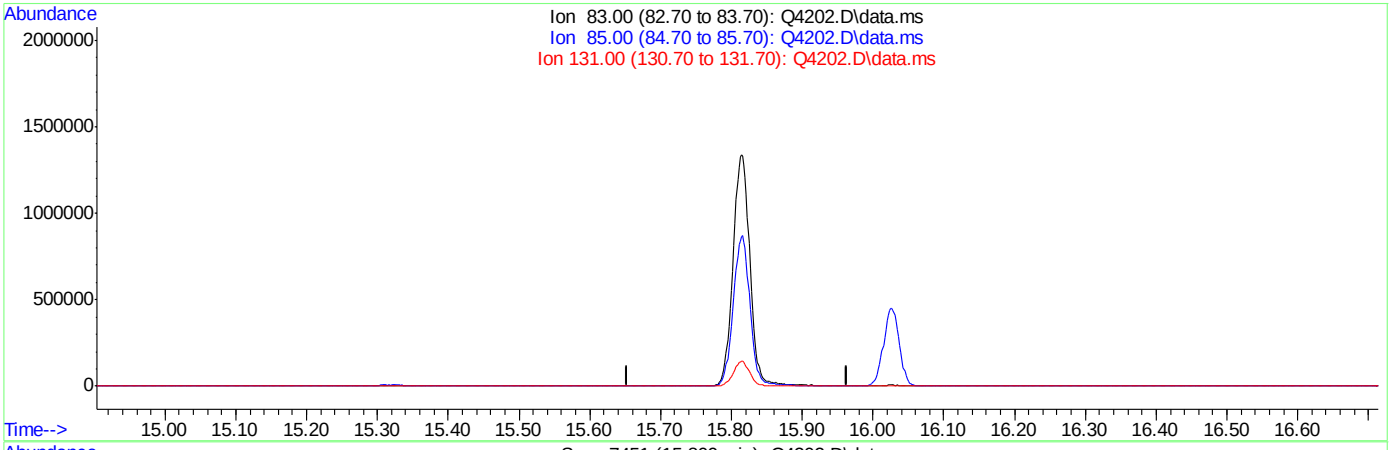
response 2644238

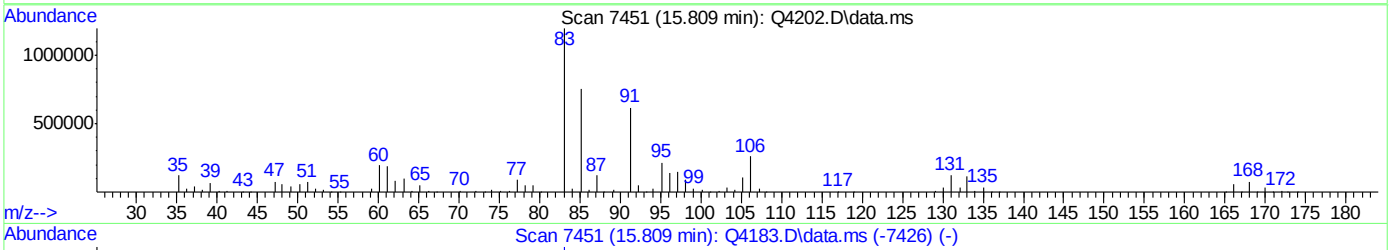
Ion	Exp%	Act%
83.00	100	100
85.00	64.30	0.00#
0.00	0.00	0.00
0.00	0.00	0.00

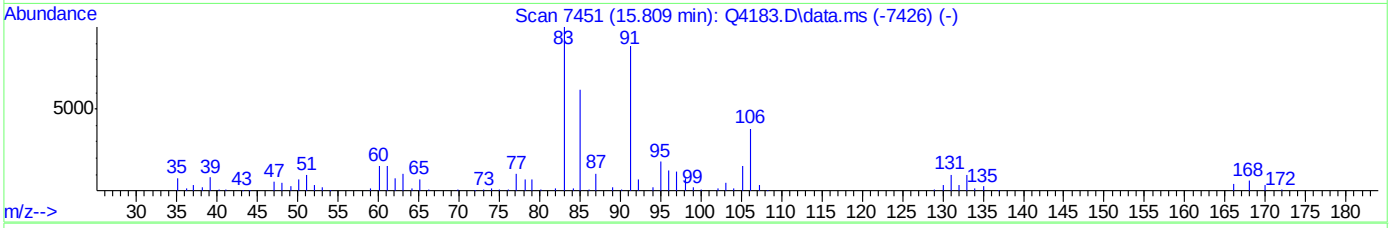
Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\
Data File : Q4202.D
Acq On : 7 Aug 2007 12:43 pm
Operator : danat
Sample : ic223-40 (M090)
Misc : MS14034, MSQ223,,,,,1
ALS Vial : 4 Sample Multiplier: 1

Quant Time: Aug 07 13:09:00 2007
Quant Method : C:\msdchem\1\METHODS\Q080707T.m
Quant Title : TO15 by GCMS w/DB-1 60 m X .25 mm ID 1.0 um
QLast Update : Tue Aug 07 11:41:42 2007
Response via : Initial Calibration







TIC: Q4202.D\data.ms

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

15.809min (-15.809) 0.00PPBV

response 0

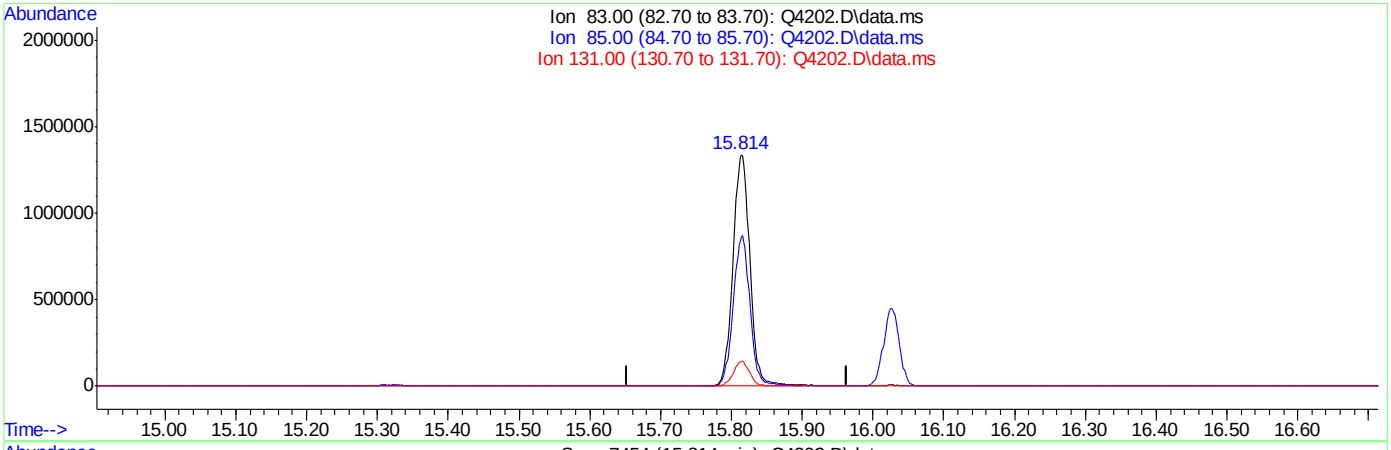
Ion	Exp%	Act%
83.00	100	0.00
85.00	64.30	0.00#
131.00	10.10	0.00
0.00	0.00	0.00

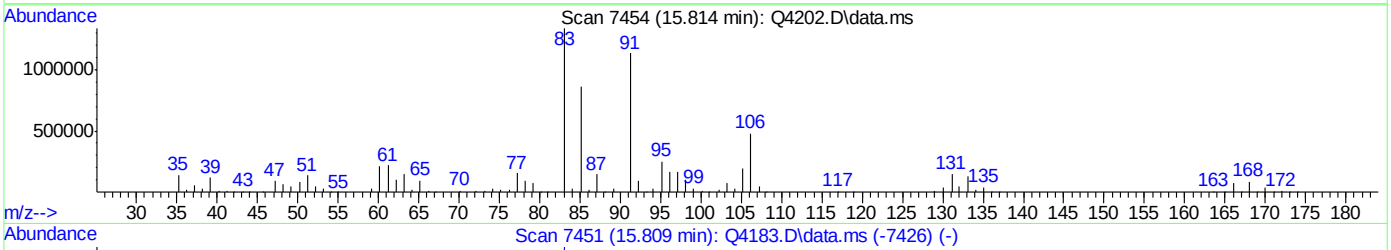
ACCUTEST Laboratories M66801

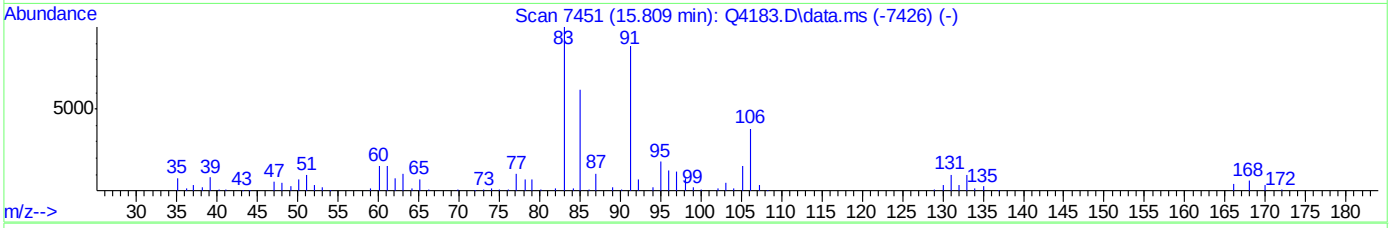
Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\
Data File : Q4202.D
Acq On : 7 Aug 2007 12:43 pm
Operator : danat
Sample : ic223-40 (M090)
Misc : MS14034, MSQ223,,,,,1
ALS Vial : 4 Sample Multiplier: 1

Quant Time: Aug 07 13:09:00 2007
Quant Method : C:\msdchem\1\METHODS\Q080707T.m
Quant Title : TO15 by GCMS w/DB-1 60 m X .25 mm ID 1.0 um
QLast Update : Tue Aug 07 11:41:42 2007
Response via : Initial Calibration







TIC: Q4202.D\data.ms

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

15.814min (+0.005) 61.29PPBV m

response 2234569

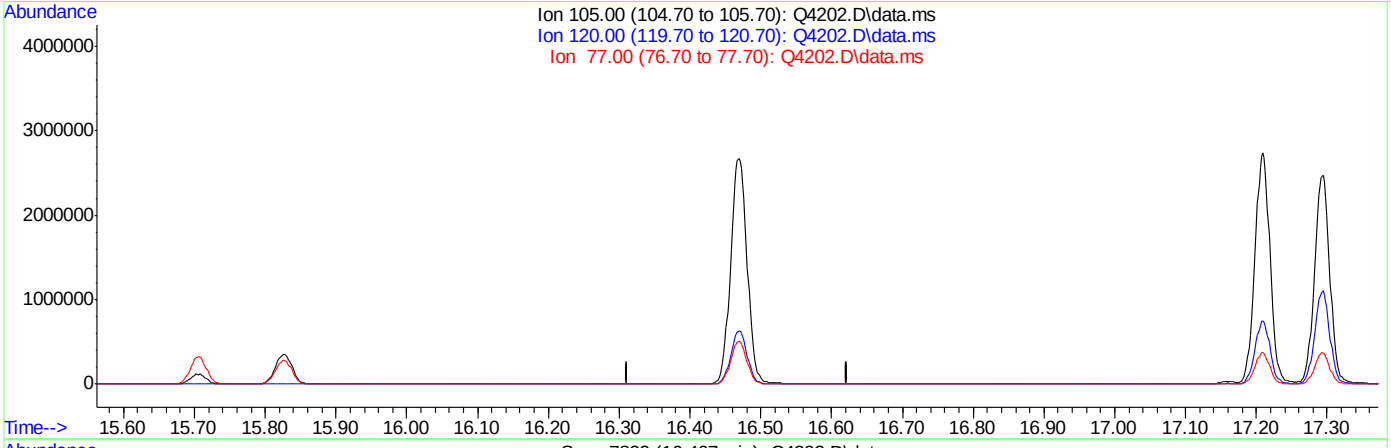
Ion	Exp%	Act%
83.00	100	100
85.00	64.30	0.00#
131.00	10.10	0.00
0.00	0.00	0.00

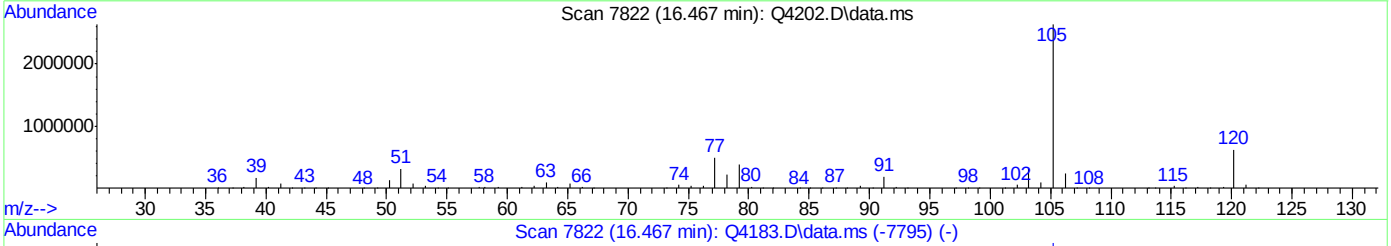
ACCUTEST Laboratories M66801

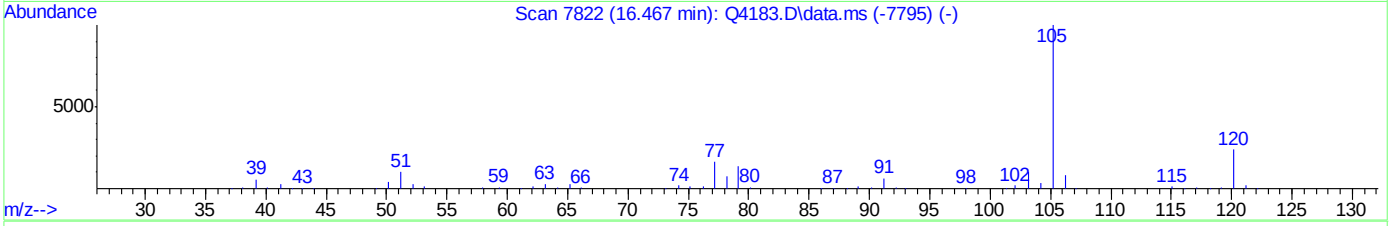
Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\
Data File : Q4202.D
Acq On : 7 Aug 2007 12:43 pm
Operator : danat
Sample : ic223-40 (M090)
Misc : MS14034, MSQ223,,,,,1
ALS Vial : 4 Sample Multiplier: 1

Quant Time: Aug 07 13:09:00 2007
Quant Method : C:\msdchem\1\METHODS\Q080707T.m
Quant Title : TO15 by GCMS w/DB-1 60 m X .25 mm ID 1.0 um
QLast Update : Tue Aug 07 11:41:42 2007
Response via : Initial Calibration







TIC: Q4202.D\data.ms

(63) ISOPROPYLBENZENE (m)

16.467min (-16.467) 0.00PPBV

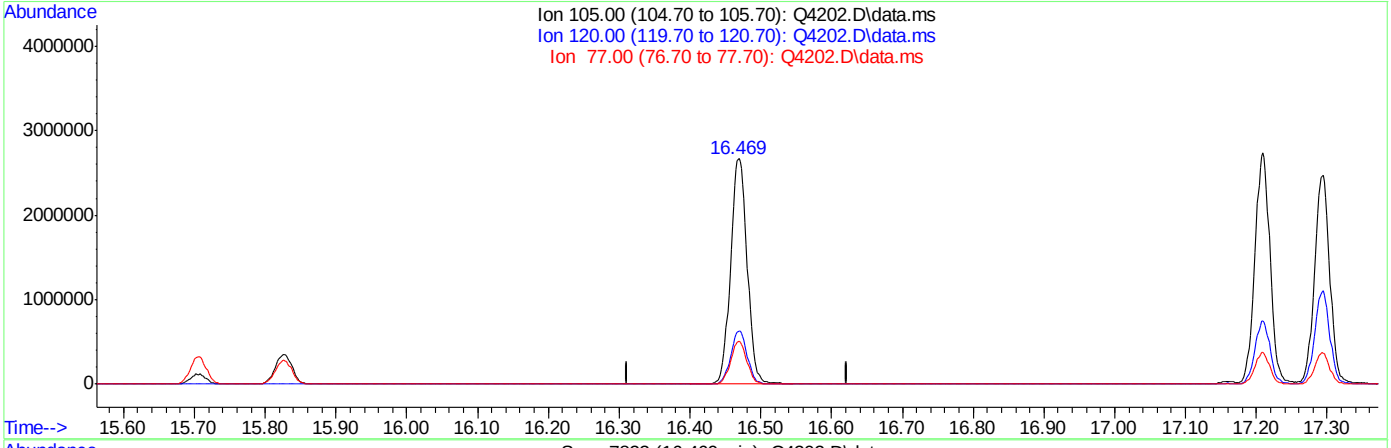
response 0

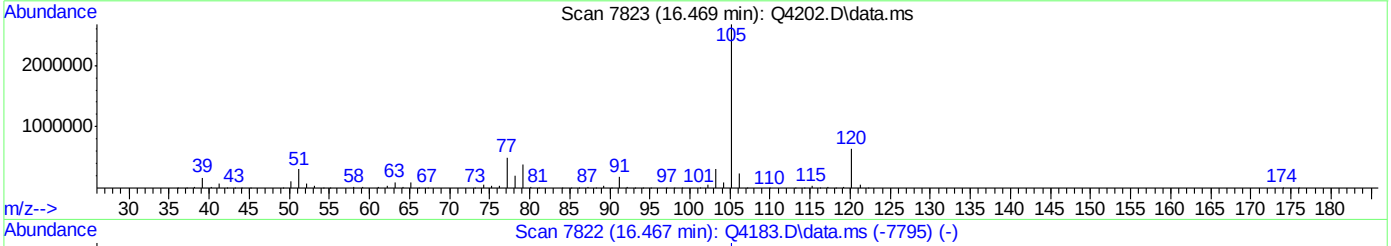
Ion	Exp%	Act%
105.00	100	0.00
120.00	24.00	0.00#
77.00	17.20	0.00
0.00	0.00	0.00

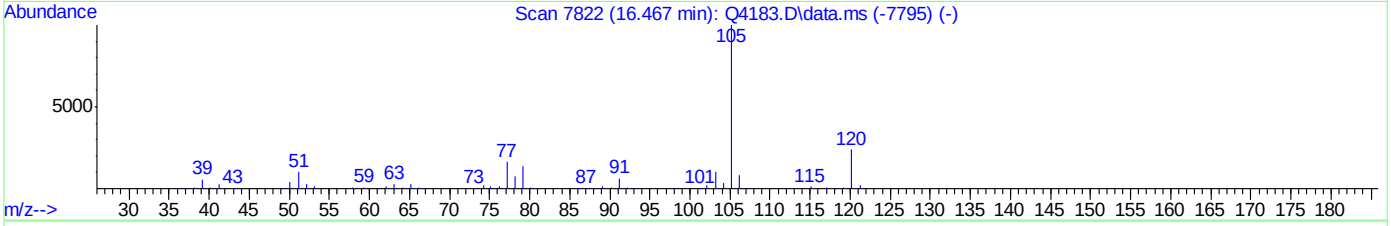
Quantitation Report (Qedit)

```
Data Path : C:\msdchem\1\DATA\
Data File : Q4202.D
Acq On    :  7 Aug 2007  12:43 pm
Operator  : danat
Sample    : ic223-40 (M090)
Misc      : MS14034, MSQ223,,,,,1
ALS Vial  : 4   Sample Multiplier: 1

Quant Time: Aug 07 13:09:00 2007
Quant Method : C:\msdchem\1\METHODS\Q080707T.m
Quant Title  : TO15  by GCMS w/DB-1 60 m X .25 mm ID 1.0 um
QLast Update : Tue Aug 07 11:41:42 2007
Response via : Initial Calibration
```





TIC: Q4202.D\data.ms

(63) ISOPROPYLBENZENE (m)

16.469min (+0.002) 61.24PPBV m

response 4340749

Ion	Exp%	Act%
105.00	100	100
120.00	24.00	0.00#
77.00	17.20	0.00
0.00	0.00	0.00

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\
Data File : Q4203.D
Acq On : 7 Aug 2007 1:28 pm
Operator : danat
Sample : ic223-20 (M090)
Misc : MS14034, MSQ223,,,,,1
ALS Vial : 4 Sample Multiplier: 1

Quant Time: Aug 07 13:53:41 2007
Quant Method : C:\msdchem\1\METHODS\Q080707T.m
Quant Title : TO15 by GCMS w/DB-1 60 m X .25 mm ID 1.0 um
QLast Update : Tue Aug 07 11:41:42 2007
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) BROMOCHLOROMETHANE	8.628	128	110391	10.00	PPBV	0.00
35) 1,4-DIFLUOROBENZENE	10.460	114	518433	10.00	PPBV	0.00
49) CHLOROBENZENE-D5	14.703	117	459325	10.00	PPBV	0.00

System Monitoring Compounds

61) 4-BROMOFLUOROBENZENE	16.324	95	193002	4.54	PPBV	0.00

Spiked Amount 5.000 Range 57 - 139 Recovery = 90.80%

Target Compounds						Qvalue
2) DICHLORODIFLUOROMETHANE	4.033	85	1034509	24.55	PPBV	98
3) PROPYLENE	3.962	41	121137	14.87	PPBV	89
4) FREON 114	4.298	85	981962	24.60	PPBV	97
5) CHLOROMETHANE	4.198	50	185807	19.52	PPBV	88
6) VINYL CHLORIDE	4.415	62	251868	21.53	PPBV	98
7) 1,3-BUTADIENE	4.555	39	192187	19.56	PPBV	97
8) BROMOMETHANE	4.832	94	324887	24.88	PPBV	99
9) CHLOROETHANE	5.004	64	115558	22.21	PPBV	97
10) TRICHLOROFLUOROMETHANE	5.787	101	1087470	24.28	PPBV	100
11) ISOPROPYL ALCOHOL	5.822	45	327703	10.51	PPBV	100
12) ACETONE	5.590	43	333162	9.65	PPBV	94
13) PENTANE	6.140	42	214435	17.15	PPBV	89
14) 1,1-DICHLOROETHYLENE	6.422	96	340296	25.25	PPBV	99
15) CARBON DISULFIDE	6.857	76	890350	33.38	PPBV	99
16) ETHANOL	5.089	45	51315	9.13	PPBV	97
17) BROMOETHENE	5.363	106	329986	27.40	PPBV	99
18) METHYLENE CHLORIDE	6.536	84	289093	5.97	PPBV	95
19) 3-CHLOROPROPENE	6.658	39	267561	23.55	PPBV	90
20) FREON 113	6.795	151	669710	21.68	PPBV	96
21) TRANS-1,2-DICHLOROETHY...	7.464	96	329666	26.60	PPBV	99
22) TERTIARY BUTYL ALCOHOL	6.424	59	490794	23.20	PPBV	99
23) METHYL TERTIARY BUTYL ...	7.705	73	670475	21.13	PPBV	97
24) TETRAHYDROFURAN	9.136	42	128099	13.31	PPBV	79
25) HEXANE	8.665	57	279053	9.61	PPBV	95
26) VINYL ACETATE	7.785	43	425277	17.55	PPBV	99
27) 1,1-DICHLOROETHANE	7.661	63	582346	25.33	PPBV	100
28) METHYL ETHYL KETONE	8.025	43	308002	13.63	PPBV	95
29) cis-1,2-DICHLOROETHYLENE	8.467	96	269958	28.44	PPBV #	89
30) ETHYL ACETATE	8.662	43	502843	11.54	PPBV	98
31) CHLOROFORM	8.752	83	683132	23.58	PPBV	99
32) 1,1,1-TRICHLOROETHANE	9.707	97	751999	30.48	PPBV	98
33) CARBON TETRACHLORIDE	10.288	117	855963	32.34	PPBV	99
34) 1,2-DICHLOROETHANE	9.461	62	443239	25.18	PPBV	99
36) BENZENE	10.147	78	667446	26.62	PPBV	97
37) CYCLOHEXANE	10.412	84	276808	24.33	PPBV	93
38) TRICHLOROETHYLENE	11.143	95	404318	28.87	PPBV	96
39) 1,2-DICHLOROPROPANE	10.921	63	193103	20.99	PPBV	89
40) BROMODICHLOROMETHANE	11.106	83	672014	35.00	PPBV	98
41) 2,2,4-TRIMETHYLPENTANE	11.166	57	921060	21.81	PPBV	99
42) 1,4-DIOXANE	11.129	88	116632	21.84	PPBV	84
43) HEPTANE	11.404	43	297180	18.67	PPBV	90

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\
Data File : Q4203.D
Acq On : 7 Aug 2007 1:28 pm
Operator : danat
Sample : ic223-20 (M090)
Misc : MS14034, MSQ223,,,,,1
ALS Vial : 4 Sample Multiplier: 1

Quant Time: Aug 07 13:53:41 2007
Quant Method : C:\msdchem\1\METHODS\Q080707T.m
Quant Title : TO15 by GCMS w/DB-1 60 m X .25 mm ID 1.0 um
QLast Update : Tue Aug 07 11:41:42 2007
Response via : Initial Calibration

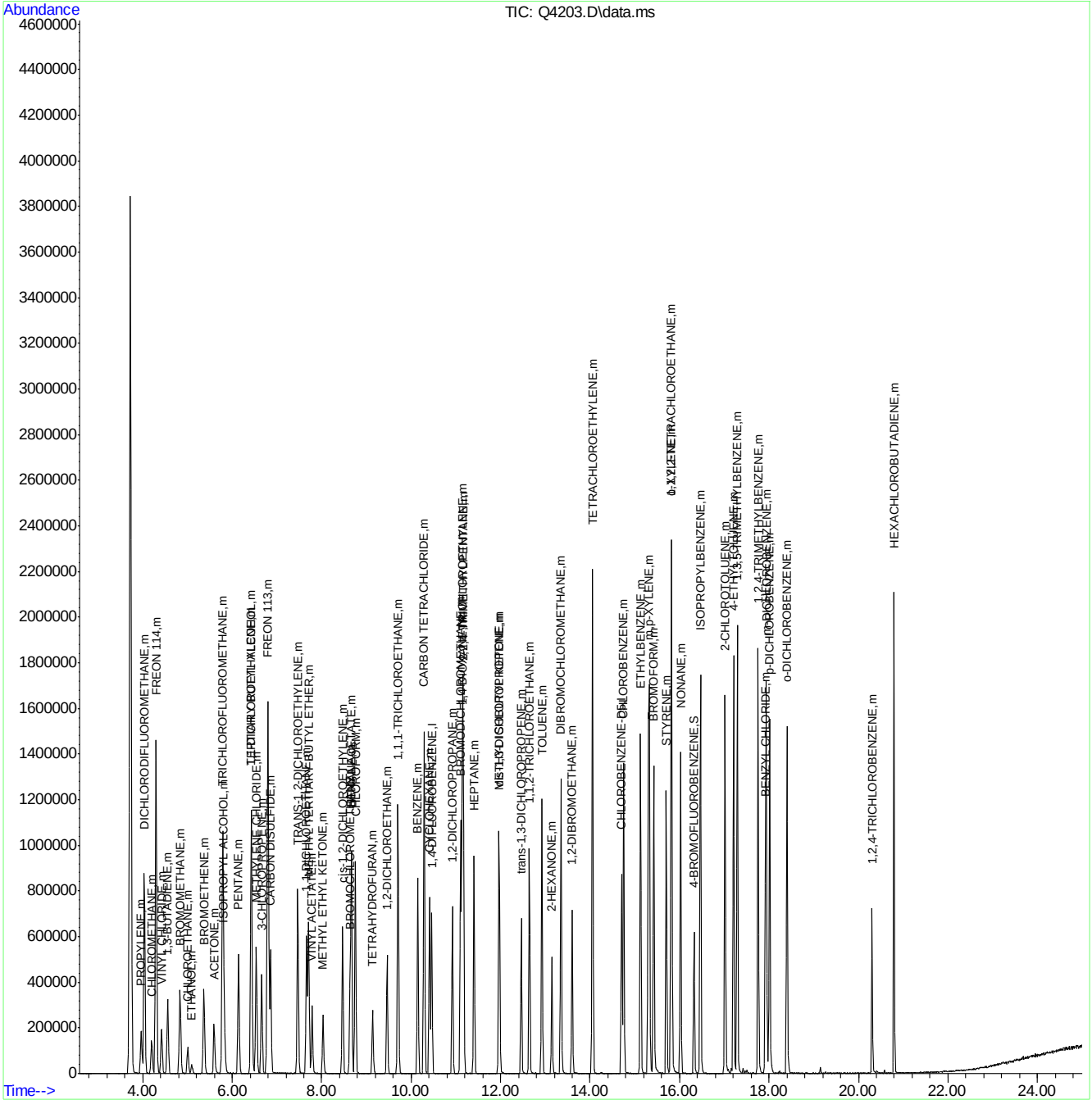
Internal Standards	R.T.	QIon	Response	Conc Units	Dev(Min)
44) METHYL ISOBUTYL KETONE	11.977	43	344410	16.49 PPBV	95
45) cis-1,3-DICHLOROPROPENE	11.961	75	350506	28.76 PPBV	99
46) TOLUENE	12.921	92	463276	25.42 PPBV	98
47) trans-1,3-DICHLOROPROPENE	12.460	75	320648	28.50 PPBV	99
48) 1,1,2-TRICHLOROETHANE	12.641	83	224447	25.10 PPBV	95
50) 2-HEXANONE	13.143	43	301606	17.32 PPBV	95
51) TETRACHLOROETHYLENE	14.054	164	471584	31.66 PPBV	93
52) DIBROMOCHLOROMETHANE	13.349	129	667062	44.56 PPBV	99
53) 1,2-DIBROMOETHANE	13.598	107	444634	29.95 PPBV	97
54) CHLOROBENZENE	14.751	112	670070	30.88 PPBV	98
55) ETHYLBENZENE	15.127	91	1021671	27.41 PPBV	99
56) m,p-XYLENE	15.323	106	774645	57.10 PPBV	99
57) o-XYLENE	15.821	106	391543	27.83 PPBV	98
58) STYRENE	15.704	104	569778	30.08 PPBV	99
59) NONANE	16.024	43	415314	19.83 PPBV	95
60) BROMOFORM	15.422	173	664591	50.60 PPBV	98
62) 1,1,2,2-TETRACHLOROETHANE	15.812	83	534956	24.30 PPBV	98
63) ISOPROPYLBENZENE	16.466	105	1190099	27.81 PPBV	99
64) 2-CHLOROTOLUENE	17.017	91	904960	28.84 PPBV	99
65) 4-ETHYLTOLUENE	17.206	105	1083945	29.06 PPBV	100
66) 1,3,5-TRIMETHYLBENZENE	17.291	105	1038369	27.95 PPBV	100
67) 1,2,4-TRIMETHYLBENZENE	17.758	105	996566	29.23 PPBV	99
68) m-DICHLOROBENZENE	17.937	146	635077	29.86 PPBV	98
69) BENZYL CHLORIDE	17.916	91	498563	31.74 PPBV	98
70) p-DICHLOROBENZENE	18.013	146	604608	28.81 PPBV	98
71) o-DICHLOROBENZENE	18.402	146	586844	28.97 PPBV	98
72) HEXACHLOROBUTADIENE	20.794	225	354509	24.47 PPBV	100
73) 1,2,4-TRICHLOROBENZENE	20.303	180	199313	24.29 PPBV	100

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

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\
Data File : Q4203.D
Acq On : 7 Aug 2007 1:28 pm
Operator : danat
Sample : ic223-20 (M090)
Misc : MS14034, MSQ223,,,,,1
ALS Vial : 4 Sample Multiplier: 1

Quant Time: Aug 07 13:53:41 2007
Quant Method : C:\msdchem\1\METHODS\Q080707T.m
Quant Title : TO15 by GCMS w/DB-1 60 m X .25 mm ID 1.0 um
QLast Update : Tue Aug 07 11:41:42 2007
Response via : Initial Calibration



ACCUTEST Laboratories M66801

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\
Data File : Q4204.D
Acq On : 7 Aug 2007 2:14 pm
Operator : danat
Sample : icc223-10 (M090)
Misc : MS14034, MSQ223,,,,,1
ALS Vial : 4 Sample Multiplier: 1

Quant Time: Aug 07 14:39:44 2007
Quant Method : C:\msdchem\1\METHODS\Q080707T.m
Quant Title : TO15 by GCMS w/DB-1 60 m X .25 mm ID 1.0 um
QLast Update : Tue Aug 07 11:41:42 2007
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) BROMOCHLOROMETHANE	8.633	128	113782	10.00	PPBV	0.00
35) 1,4-DIFLUOROBENZENE	10.460	114	520630	10.00	PPBV	0.00
49) CHLOROBENZENE-D5	14.701	117	448036	10.00	PPBV	0.00
System Monitoring Compounds						
61) 4-BROMOFLUOROBENZENE	16.322	95	192643	4.65	PPBV	0.00
Spiked Amount 5.000	Range 57 - 139		Recovery = 93.00%			
Target Compounds						Qvalue
2) DICHLORODIFLUOROMETHANE	4.037	85	556201	12.81	PPBV	99
3) PROPYLENE	3.967	41	60383	7.19	PPBV	86
4) FREON 114	4.299	85	493998	12.01	PPBV	97
5) CHLOROMETHANE	4.198	50	90682	9.24	PPBV	95
6) VINYL CHLORIDE	4.422	62	126253	10.47	PPBV	98
7) 1,3-BUTADIENE	4.558	39	92745	9.16	PPBV	96
8) BROMOMETHANE	4.835	94	170297	12.65	PPBV	99
9) CHLOROETHANE	5.015	64	57761	10.77	PPBV	97
10) TRICHLOROFLUOROMETHANE	5.788	101	595592	12.90	PPBV	100
11) ISOPROPYL ALCOHOL	5.826	45	171027	5.32	PPBV	98
12) ACETONE	5.597	43	168664	4.74	PPBV	94
13) PENTANE	6.138	42	114635	8.90	PPBV	90
14) 1,1-DICHLOROETHYLENE	6.422	96	175039	12.60	PPBV	97
15) CARBON DISULFIDE	6.857	76	480219	17.47	PPBV	99
16) ETHANOL	5.094	45	25918	4.47	PPBV	94
17) BROMOETHENE	5.368	106	171718	13.83	PPBV	98
18) METHYLENE CHLORIDE	6.544	84	150755	3.02	PPBV	99
19) 3-CHLOROPROPENE	6.660	39	138780	11.85	PPBV	88
20) FREON 113	6.798	151	344764	10.83	PPBV	96
21) TRANS-1,2-DICHLOROETHY...	7.466	96	171073	13.39	PPBV	98
22) TERTIARY BUTYL ALCOHOL	6.431	59	250984	11.51	PPBV	97
23) METHYL TERTIARY BUTYL ...	7.709	73	343001	10.49	PPBV	96
24) TETRAHYDROFURAN	9.141	42	62067	6.25	PPBV	79
25) HEXANE	8.665	57	142500	4.76	PPBV	92
26) VINYL ACETATE	7.785	43	205679	8.23	PPBV	99
27) 1,1-DICHLOROETHANE	7.659	63	297526	12.56	PPBV	100
28) METHYL ETHYL KETONE	8.033	43	152727	6.55	PPBV	95
29) cis-1,2-DICHLOROETHYLENE	8.466	96	130473	13.34	PPBV	90
30) ETHYL ACETATE	8.663	43	253559	5.65	PPBV	98
31) CHLOROFORM	8.750	83	345094	11.56	PPBV	99
32) 1,1,1-TRICHLOROETHANE	9.704	97	385830	15.17	PPBV	98
33) CARBON TETRACHLORIDE	10.289	117	446097	16.35	PPBV	98
34) 1,2-DICHLOROETHANE	9.462	62	215972	11.90	PPBV	99
36) BENZENE	10.145	78	310651	12.34	PPBV	98
37) CYCLOHEXANE	10.410	84	139471	12.21	PPBV	90
38) TRICHLOROETHYLENE	11.146	95	189868	13.50	PPBV	97
39) 1,2-DICHLOROPROPANE	10.923	63	86345	9.35	PPBV	87
40) BROMODICHLOROMETHANE	11.106	83	318401	16.51	PPBV	100
41) 2,2,4-TRIMETHYLPENTANE	11.168	57	437819	10.32	PPBV	99
42) 1,4-DIOXANE	11.134	88	54432	10.15	PPBV	95
43) HEPTANE	11.406	43	143560	8.98	PPBV	92

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\
Data File : Q4204.D
Acq On : 7 Aug 2007 2:14 pm
Operator : danat
Sample : icc223-10 (M090)
Misc : MS14034, MSQ223,,,,,1
ALS Vial : 4 Sample Multiplier: 1

Quant Time: Aug 07 14:39:44 2007
Quant Method : C:\msdchem\1\METHODS\Q080707T.m
Quant Title : TO15 by GCMS w/DB-1 60 m X .25 mm ID 1.0 um
QLast Update : Tue Aug 07 11:41:42 2007
Response via : Initial Calibration

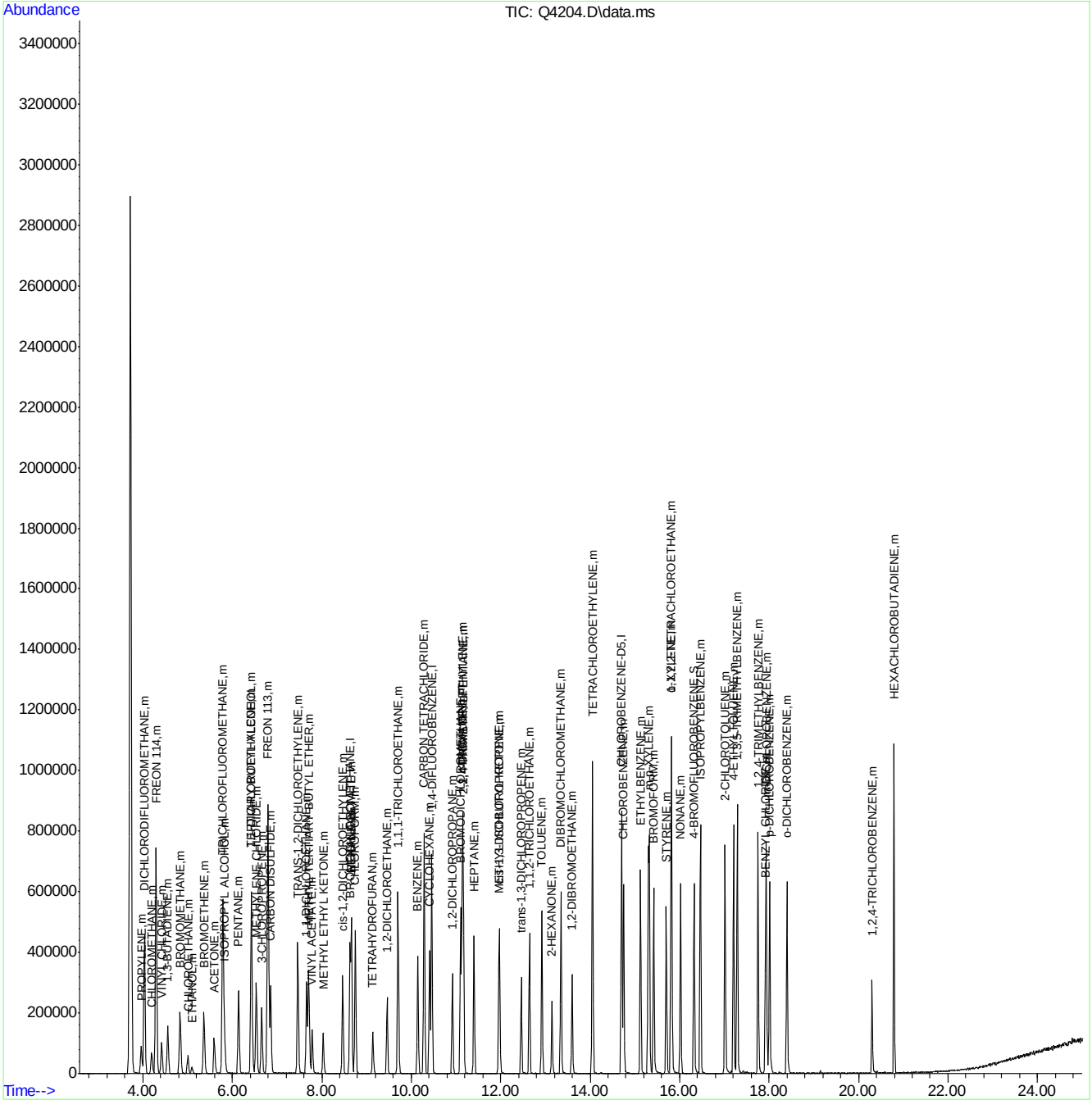
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) METHYL ISOBUTYL KETONE	11.977	43	165915	7.91	PPBV	97
45) cis-1,3-DICHLOROPROPENE	11.961	75	154554	12.63	PPBV	96
46) TOLUENE	12.921	92	206681	11.29	PPBV	98
47) trans-1,3-DICHLOROPROPENE	12.458	75	144666	12.80	PPBV	98
48) 1,1,2-TRICHLOROETHANE	12.643	83	101588	11.31	PPBV	95
50) 2-HEXANONE	13.147	43	138413	8.15	PPBV	97
51) TETRACHLOROETHYLENE	14.053	164	213411	14.69	PPBV	94
52) DIBROMOCHLOROMETHANE	13.349	129	304680	20.86	PPBV	99
53) 1,2-DIBROMOETHANE	13.599	107	198348	13.70	PPBV	98
54) CHLOROBENZENE	14.747	112	292952	13.84	PPBV	100
55) ETHYLBENZENE	15.127	91	466286	12.83	PPBV	100
56) m,p-XYLENE	15.324	106	350378	26.48	PPBV	97
57) o-XYLENE	15.819	106	175975	12.82	PPBV	94
58) STYRENE	15.702	104	249285	13.49	PPBV	97
59) NONANE	16.023	43	184593	9.04	PPBV	97
60) BROMOFORM	15.422	173	286196	22.34	PPBV	99
62) 1,1,2,2-TETRACHLOROETHANE	15.810	83	241204	11.23	PPBV	97
63) ISOPROPYLBENZENE	16.465	105	539743	12.93	PPBV	100
64) 2-CHLOROTOLUENE	17.017	91	406455	13.28	PPBV	99
65) 4-ETHYLTOLUENE	17.205	105	483600	13.29	PPBV	99
66) 1,3,5-TRIMETHYLBENZENE	17.291	105	490923	13.55	PPBV	97
67) 1,2,4-TRIMETHYLBENZENE	17.754	105	435672	13.10	PPBV	97
68) m-DICHLOROBENZENE	17.937	146	278218	13.41	PPBV	99
69) BENZYL CHLORIDE	17.917	91	204876	13.37	PPBV	99
70) p-DICHLOROBENZENE	18.011	146	263423	12.87	PPBV	99
71) o-DICHLOROBENZENE	18.400	146	246653	12.48	PPBV	98
72) HEXACHLOROBUTADIENE	20.792	225	183359	12.98	PPBV	99
73) 1,2,4-TRICHLOROBENZENE	20.304	180	83597	10.45	PPBV	97

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

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\
Data File : Q4204.D
Acq On : 7 Aug 2007 2:14 pm
Operator : danat
Sample : icc223-10 (M090)
Misc : MS14034, MSQ223,,,,,1
ALS Vial : 4 Sample Multiplier: 1

Quant Time: Aug 07 14:39:44 2007
Quant Method : C:\msdchem\1\METHODS\Q080707T.m
Quant Title : TO15 by GCMS w/DB-1 60 m X .25 mm ID 1.0 um
QLast Update : Tue Aug 07 11:41:42 2007
Response via : Initial Calibration



ACCUTEST Laboratories M66801

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\
Data File : Q4205.D
Acq On : 7 Aug 2007 3:01 pm
Operator : danat
Sample : ic223-5 (M090)
Misc : MS14034, MSQ223,,,,,1
ALS Vial : 4 Sample Multiplier: 1

Quant Time: Aug 07 15:29:20 2007
Quant Method : C:\msdchem\1\METHODS\Q080707T.m
Quant Title : TO15 by GCMS w/DB-1 60 m X .25 mm ID 1.0 um
QLast Update : Tue Aug 07 14:43:17 2007
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) BROMOCHLOROMETHANE	8.633	128	184314	10.00	PPBV	0.00
35) 1,4-DIFLUOROBENZENE	10.460	114	851061	10.00	PPBV	0.00
49) CHLOROBENZENE-D5	14.703	117	753265	10.00	PPBV	0.00

System Monitoring Compounds

61) 4-BROMOFLUOROBENZENE	16.320	95	296428	4.82	PPBV	0.00

Spiked Amount 5.000 Range 57 - 139 Recovery = 96.40%

Target Compounds						Qvalue
2) DICHLORODIFLUOROMETHANE	4.033	85	523979	5.30	PPBV	99
3) PROPYLENE	3.964	41	66061	5.83	PPBV	95
4) FREON 114	4.298	85	416911	4.79	PPBV	91
5) CHLOROMETHANE	4.202	50	94745	5.22	PPBV	100
6) VINYL CHLORIDE	4.420	62	120193	5.30	PPBV	99
7) 1,3-BUTADIENE	4.555	39	87726	5.02	PPBV	96
8) BROMOMETHANE	4.834	94	130139	4.81	PPBV	100
9) CHLOROETHANE	5.004	64	45289	4.70	PPBV	99
10) TRICHLOROFLUOROMETHANE	5.788	101	503376	5.11	PPBV	99
11) ISOPROPYL ALCOHOL	5.829	45	169876	4.27	PPBV	99
12) ACETONE	5.599	43	161308	3.67	PPBV	100
13) PENTANE	6.140	42	113970	5.69	PPBV	95
14) 1,1-DICHLOROETHYLENE	6.427	96	139510	5.29	PPBV	88
15) CARBON DISULFIDE	6.857	76	404729	5.83	PPBV	97
16) ETHANOL	5.098	45	26081	4.28	PPBV #	74
17) BROMOETHENE	5.371	106	129237	5.10	PPBV	98
18) METHYLENE CHLORIDE	6.536	84	120322	3.13	PPBV	90
19) 3-CHLOROPROPENE	6.654	39	106824	4.80	PPBV	94
20) FREON 113	6.796	151	239830	4.38	PPBV	89
21) TRANS-1,2-DICHLOROETHY...	7.467	96	128980	5.03	PPBV	90
22) TERTIARY BUTYL ALCOHOL	6.434	59	219195	5.78	PPBV	97
23) METHYL TERTIARY BUTYL ...	7.712	73	260104	5.15	PPBV	97
24) TETRAHYDROFURAN	9.146	42	69684	6.78	PPBV	89
25) HEXANE	8.664	57	152023	4.66	PPBV	95
26) VINYL ACETATE	7.787	43	176555	5.16	PPBV	98
27) 1,1-DICHLOROETHANE	7.664	63	225719	4.73	PPBV	99
28) METHYL ETHYL KETONE	8.034	43	160671	5.98	PPBV	91
29) cis-1,2-DICHLOROETHYLENE	8.470	96	111200	5.52	PPBV	89
30) ETHYL ACETATE	8.664	43	274427	5.43	PPBV	99
31) CHLOROFORM	8.752	83	304401	5.15	PPBV	99
32) 1,1,1-TRICHLOROETHANE	9.705	97	315564	5.05	PPBV	97
33) CARBON TETRACHLORIDE	10.289	117	383868	5.37	PPBV	99
34) 1,2-DICHLOROETHANE	9.464	62	186207	5.06	PPBV	99
36) BENZENE	10.145	78	276222	5.20	PPBV	98
37) CYCLOHEXANE	10.413	84	140442	6.24	PPBV	91
38) TRICHLOROETHYLENE	11.145	95	169644	5.14	PPBV	94
39) 1,2-DICHLOROPROPANE	10.919	63	92560	5.52	PPBV	89
40) BROMODICHLOROMETHANE	11.104	83	267274	4.95	PPBV	99
41) 2,2,4-TRIMETHYLPENTANE	11.164	57	437867	5.47	PPBV	99
42) 1,4-DIOXANE	11.138	88	50740	5.22	PPBV #	81
43) HEPTANE	11.404	43	148091	5.68	PPBV	97

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\
Data File : Q4205.D
Acq On : 7 Aug 2007 3:01 pm
Operator : danat
Sample : ic223-5 (M090)
Misc : MS14034, MSQ223,,,,,1
ALS Vial : 4 Sample Multiplier: 1

Quant Time: Aug 07 15:29:20 2007
Quant Method : C:\msdchem\1\METHODS\Q080707T.m
Quant Title : TO15 by GCMS w/DB-1 60 m X .25 mm ID 1.0 um
QLast Update : Tue Aug 07 14:43:17 2007
Response via : Initial Calibration

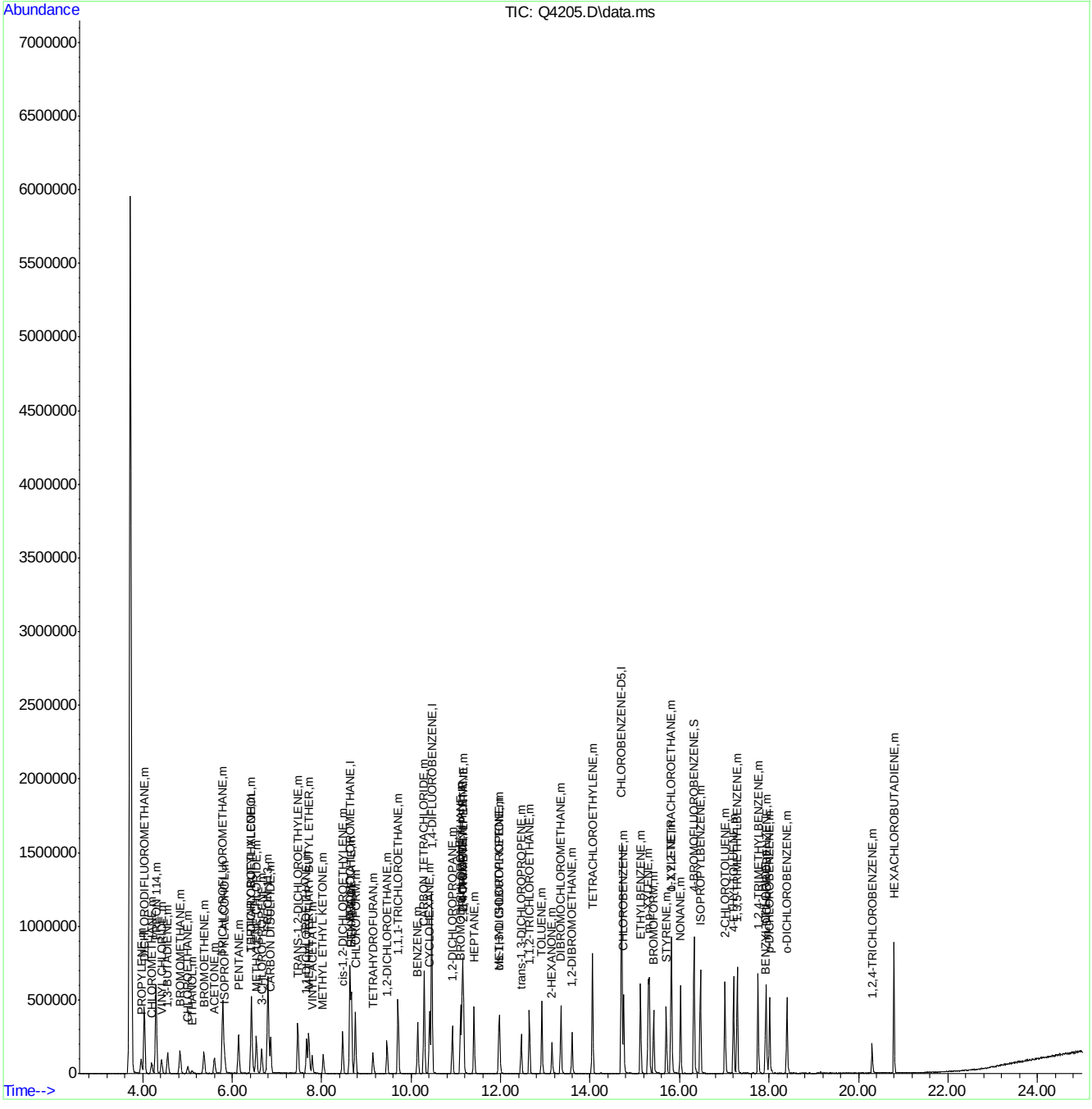
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) METHYL ISOBUTYL KETONE	11.977	43	171487	5.96	PPBV	97
45) cis-1,3-DICHLOROPROPENE	11.961	75	140224	5.40	PPBV	97
46) TOLUENE	12.921	92	178625	4.76	PPBV	99
47) trans-1,3-DICHLOROPROPENE	12.458	75	127136	5.34	PPBV	99
48) 1,1,2-TRICHLOROETHANE	12.644	83	98177	5.19	PPBV	94
50) 2-HEXANONE	13.147	43	141430	5.89	PPBV	97
51) TETRACHLOROETHYLENE	14.052	164	153519	4.37	PPBV	93
52) DIBROMOCHLOROMETHANE	13.345	129	226324	4.77	PPBV	100
53) 1,2-DIBROMOETHANE	13.599	107	175367	5.13	PPBV	100
54) CHLOROBENZENE	14.747	112	251112	4.87	PPBV	99
55) ETHYLBENZENE	15.127	91	403904	5.44	PPBV	99
56) m,p-XYLENE	15.307	106	293943	10.78	PPBV	91
57) o-XYLENE	15.819	106	147356	5.59	PPBV	97
58) STYRENE	15.702	104	198811	5.36	PPBV	99
59) NONANE	16.022	43	182699	5.62	PPBV	96
60) BROMOFORM	15.418	173	195778	4.61	PPBV	97
62) 1,1,2,2-TETRACHLOROETHANE	15.809	83	229646	5.28	PPBV	96
63) ISOPROPYLBENZENE	16.465	105	439089	5.24	PPBV	98
64) 2-CHLOROTOLUENE	17.014	91	330808	5.26	PPBV	97
65) 4-ETHYLTOLUENE	17.207	105	376300	5.31	PPBV	98
66) 1,3,5-TRIMETHYLBENZENE	17.289	105	379243	5.39	PPBV	98
67) 1,2,4-TRIMETHYLBENZENE	17.754	105	339332	5.28	PPBV	99
68) m-DICHLOROBENZENE	17.937	146	199928	4.58	PPBV	98
69) BENZYL CHLORIDE	17.915	91	148400	4.71	PPBV	97
70) p-DICHLOROBENZENE	18.013	146	195862	4.79	PPBV	98
71) o-DICHLOROBENZENE	18.398	146	189301	4.69	PPBV	97
72) HEXACHLOROBUTADIENE	20.796	225	124708	3.39	PPBV	100
73) 1,2,4-TRICHLOROBENZENE	20.306	180	52810	3.60	PPBV	98

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

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\
Data File : Q4205.D
Acq On : 7 Aug 2007 3:01 pm
Operator : danat
Sample : ic223-5 (M090)
Misc : MS14034, MSQ223,,,,,1
ALS Vial : 4 Sample Multiplier: 1

Quant Time: Aug 07 15:29:20 2007
Quant Method : C:\msdchem\1\METHODS\Q080707T.m
Quant Title : TO15 by GCMS w/DB-1 60 m X .25 mm ID 1.0 um
QLast Update : Tue Aug 07 14:43:17 2007
Response via : Initial Calibration



ACCUTEST Laboratories M66801

Q4206.D

Manual Integrations APPROVED (compounds with "m" flag)

Philip Bassignani 08/09/07 15:52

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\
Data File : Q4206.D
Acq On : 7 Aug 2007 3:50 pm
Operator : danat
Sample : ic223-2 (M090)
Misc : MS14034, MSQ223,,,,,1
ALS Vial : 4 Sample Multiplier: 1

Quant Time: Aug 07 16:16:14 2007
Quant Method : C:\msdchem\1\METHODS\Q080707T.m
Quant Title : TO15 by GCMS w/DB-1 60 m X .25 mm ID 1.0 um
QLast Update : Tue Aug 07 15:30:31 2007
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) BROMOCHLOROMETHANE	8.628	128	182981	10.00	PPBV	0.00
35) 1,4-DIFLUOROBENZENE	10.454	114	833613	10.00	PPBV	0.00
49) CHLOROBENZENE-D5	14.700	117	724639	10.00	PPBV	0.00

System Monitoring Compounds

61) 4-BROMOFLUOROBENZENE	16.322	95	287568	4.89	PPBV	0.00

Spiked Amount 5.000 Range 57 - 139 Recovery = 97.80%

Target Compounds							Qvalue
2) DICHLORODIFLUOROMETHANE	4.033	85	267878	2.70	PPBV		99
3) PROPYLENE	3.960	41	35069	3.04	PPBV		86
4) FREON 114	4.292	85	206272	2.40	PPBV		90
5) CHLOROMETHANE	4.193	50	49181	2.71	PPBV		95
6) VINYL CHLORIDE	4.413	62	60648	2.67	PPBV		99
7) 1,3-BUTADIENE	4.548	39	42602	2.46	PPBV		95
8) BROMOMETHANE	4.828	94	62425	2.34	PPBV		99
9) CHLOROETHANE	5.002	64	20652	2.18	PPBV		98
10) TRICHLOROFLUOROMETHANE	5.781	101	235983	2.40	PPBV		100
11) ISOPROPYL ALCOHOL	5.826	45	78820	2.05	PPBV		95
12) ACETONE	5.600	43	77016	1.85	PPBV		99
13) PENTANE	6.136	42	52726	2.59	PPBV		95
14) 1,1-DICHLOROETHYLENE	6.418	96	64956	2.46	PPBV		89
15) CARBON DISULFIDE	6.853	76	179818	2.54	PPBV		96
16) ETHANOL	5.091	45	12968	2.19	PPBV	#	55
17) BROMOETHENE	5.361	106	59575	2.36	PPBV	#	97
18) METHYLENE CHLORIDE	6.530	84	61252	1.71	PPBV		91
19) 3-CHLOROPROPENE	6.651	39	48962	2.23	PPBV		97
20) FREON 113	6.793	151	114316	2.15	PPBV		91
21) TRANS-1,2-DICHLOROETHY...	7.460	96	57485	2.25	PPBV		91
22) TERTIARY BUTYL ALCOHOL	6.429	59	94187	2.44	PPBV		94
23) METHYL TERTIARY BUTYL ...	7.707	73	113843	2.26	PPBV		96
24) TETRAHYDROFURAN	9.144	42	28383	2.63	PPBV		88
25) HEXANE	8.660	57	70260	2.19	PPBV		96
26) VINYL ACETATE	7.783	43	75220	2.20	PPBV		85
27) 1,1-DICHLOROETHANE	7.654	63	102297	2.18	PPBV		100
28) METHYL ETHYL KETONE	8.035	43	66207	2.40	PPBV		91
29) cis-1,2-DICHLOROETHYLENE	8.461	96	46866	2.30	PPBV	#	87
30) ETHYL ACETATE	8.658	43	117100	2.30	PPBV		98
31) CHLOROFORM	8.749	83	135401	2.30	PPBV		99
32) 1,1,1-TRICHLOROETHANE	9.702	97	141798	2.28	PPBV		96
33) CARBON TETRACHLORIDE	10.287	117	167370	2.33	PPBV		99
34) 1,2-DICHLOROETHANE	9.459	62	87175	2.38	PPBV		99
36) BENZENE	10.144	78	124723	2.38	PPBV		98
37) CYCLOHEXANE	10.405	84	62453	2.72	PPBV		93
38) TRICHLOROETHYLENE	11.139	95	72977	2.25	PPBV		94
39) 1,2-DICHLOROPROPANE	10.917	63	41356	2.48	PPBV		89
40) BROMODICHLOROMETHANE	11.102	83	118335	2.24	PPBV		97
41) 2,2,4-TRIMETHYLPENTANE	11.162	57	192515	2.42	PPBV		98
42) 1,4-DIOXANE	11.138	88	20311	2.12	PPBV	#	20
43) HEPTANE	11.398	43	60432	2.31	PPBV		97

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\
Data File : Q4206.D
Acq On : 7 Aug 2007 3:50 pm
Operator : danat
Sample : ic223-2 (M090)
Misc : MS14034, MSQ223,,,,,1
ALS Vial : 4 Sample Multiplier: 1

Quant Time: Aug 07 16:16:14 2007
Quant Method : C:\msdchem\1\METHODS\Q080707T.m
Quant Title : TO15 by GCMS w/DB-1 60 m X .25 mm ID 1.0 um
QLast Update : Tue Aug 07 15:30:31 2007
Response via : Initial Calibration

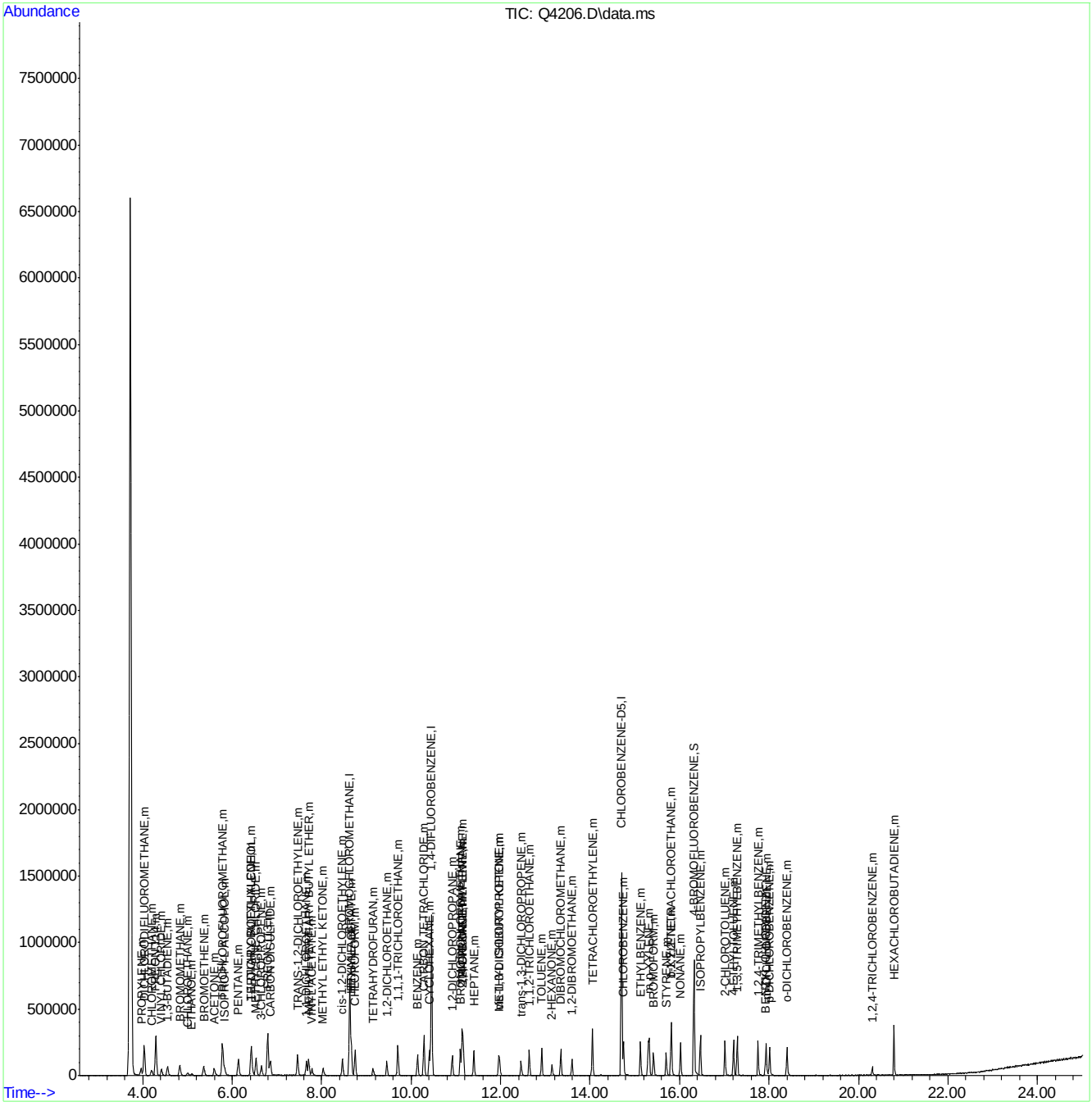
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) METHYL ISOBUTYL KETONE	11.979	43	69259	2.38	PPBV	98
45) cis-1,3-DICHLOROPROPENE	11.954	75	59010	2.29	PPBV	98
46) TOLUENE	12.918	92	75609	2.08	PPBV	99
47) trans-1,3-DICHLOROPROPENE	12.456	75	51442	2.18	PPBV	99
48) 1,1,2-TRICHLOROETHANE	12.641	83	43727	2.35	PPBV	95
50) 2-HEXANONE	13.145	43	55085	2.32	PPBV	96
51) TETRACHLOROETHYLENE	14.052	164	65797	1.99	PPBV	93
52) DIBROMOCHLOROMETHANE	13.344	129	94599	2.09	PPBV	98
53) 1,2-DIBROMOETHANE	13.597	107	75739	2.29	PPBV	100
54) CHLOROBENZENE	14.746	112	109111	2.21	PPBV	97
55) ETHYLBENZENE	15.127	91	166304	2.29	PPBV	98
56) m,p-XYLENE	15.321	106	121061m	4.56	PPBV	
57) o-XYLENE	15.818	106	59196	2.29	PPBV	95
58) STYRENE	15.700	104	76418	2.12	PPBV	98
59) NONANE	16.022	43	74452	2.33	PPBV	96
60) BROMOFORM	15.418	173	76626	1.90	PPBV	98
62) 1,1,2,2-TETRACHLOROETHANE	15.805	83	95016	2.25	PPBV	96
63) ISOPROPYLBENZENE	16.465	105	180841	2.23	PPBV	99
64) 2-CHLOROTOLUENE	17.014	91	136361	2.23	PPBV	96
65) 4-ETHYLTOLUENE	17.206	105	150071	2.18	PPBV	98
66) 1,3,5-TRIMETHYLBENZENE	17.289	105	156162	2.28	PPBV	95
67) 1,2,4-TRIMETHYLBENZENE	17.754	105	134037	2.15	PPBV	100
68) m-DICHLOROBENZENE	17.938	146	83516	2.02	PPBV	97
69) BENZYL CHLORIDE	17.915	91	53266	1.77	PPBV	94
70) p-DICHLOROBENZENE	18.009	146	81855	2.09	PPBV	96
71) o-DICHLOROBENZENE	18.400	146	79399	2.07	PPBV	97
72) HEXACHLOROBUTADIENE	20.794	225	52848	1.58	PPBV	100
73) 1,2,4-TRICHLOROBENZENE	20.308	180	17875	1.33	PPBV	98

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

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\
Data File : Q4206.D
Acq On : 7 Aug 2007 3:50 pm
Operator : danat
Sample : ic223-2 (M090)
Misc : MS14034, MSQ223,,,,,1
ALS Vial : 4 Sample Multiplier: 1

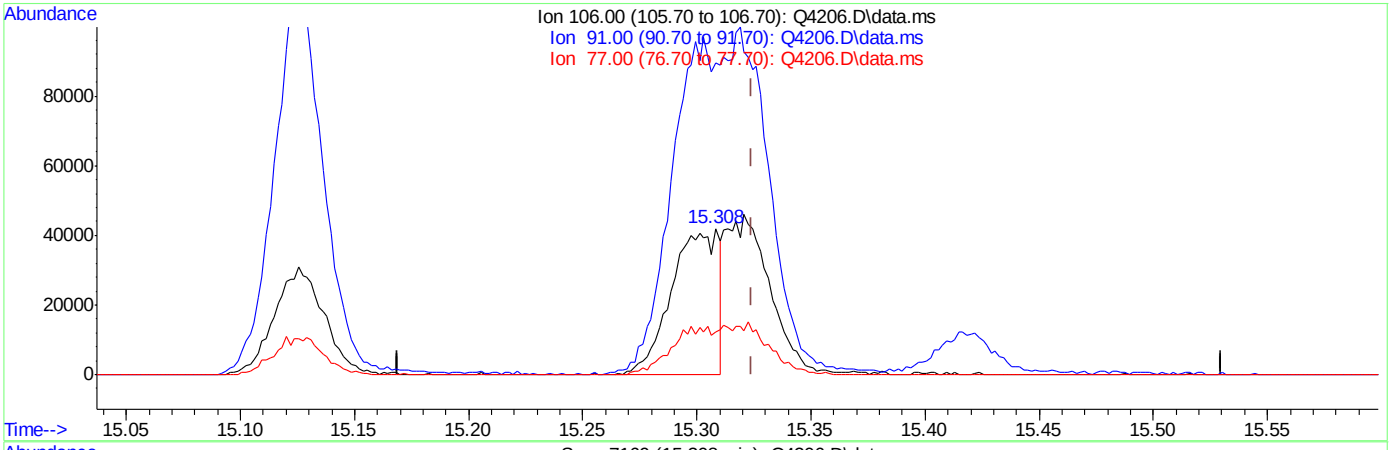
Quant Time: Aug 07 16:16:14 2007
Quant Method : C:\msdchem\1\METHODS\Q080707T.m
Quant Title : TO15 by GCMS w/DB-1 60 m X .25 mm ID 1.0 um
QLast Update : Tue Aug 07 15:30:31 2007
Response via : Initial Calibration

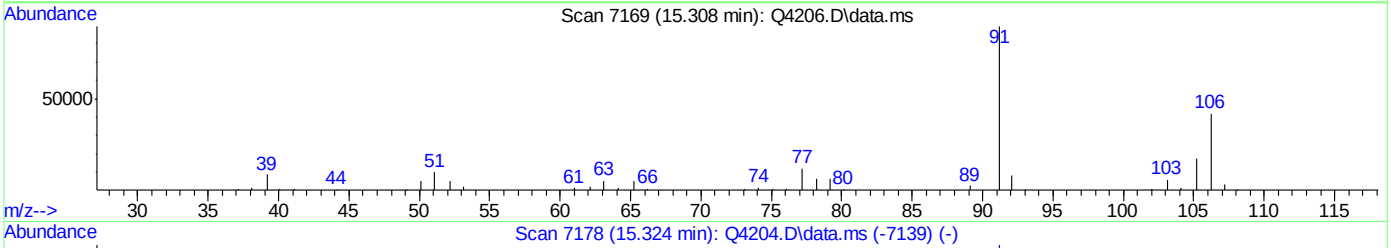


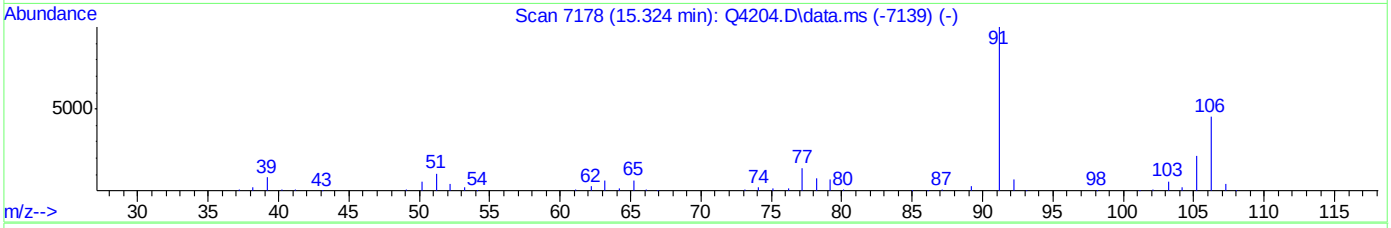
Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\
Data File : Q4206.D
Acq On : 7 Aug 2007 3:50 pm
Operator : danat
Sample : ic223-2 (M090)
Misc : MS14034, MSQ223,,,,,1
ALS Vial : 4 Sample Multiplier: 1

Quant Time: Aug 07 16:15:22 2007
Quant Method : C:\msdchem\1\METHODS\Q080707T.m
Quant Title : TO15 by GCMS w/DB-1 60 m X .25 mm ID 1.0 um
QLast Update : Tue Aug 07 15:30:31 2007
Response via : Initial Calibration







TIC: Q4206.D\data.ms

(56) m,p-XYLENE (m)

15.308min (-0.016) 2.23PPBV

response 59306

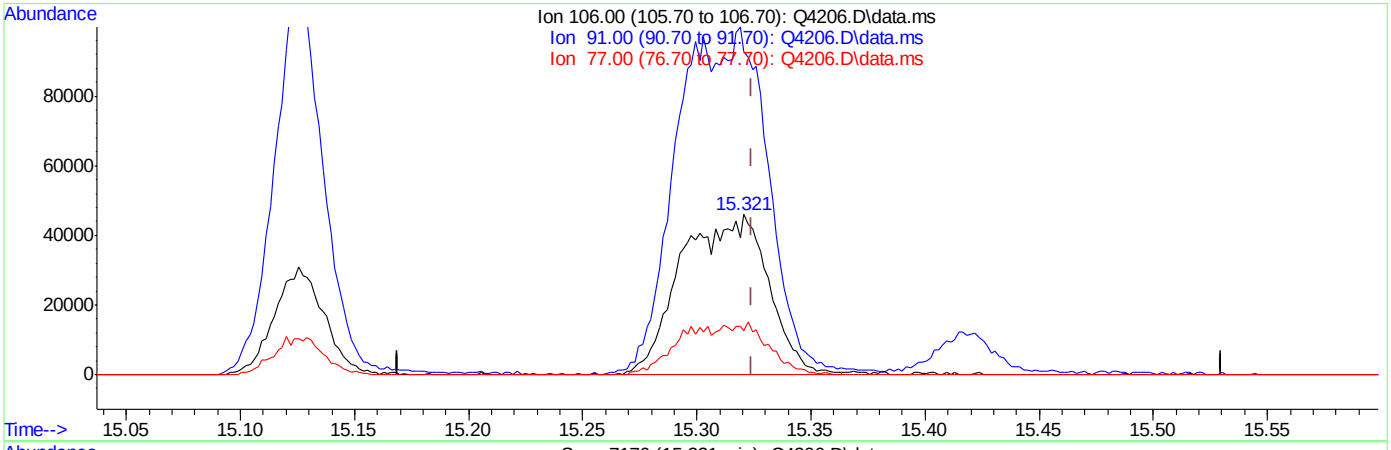
Ion	Exp%	Act%
106.00	100	100
91.00	222.50	213.36
77.00	31.10	28.95
0.00	0.00	0.00

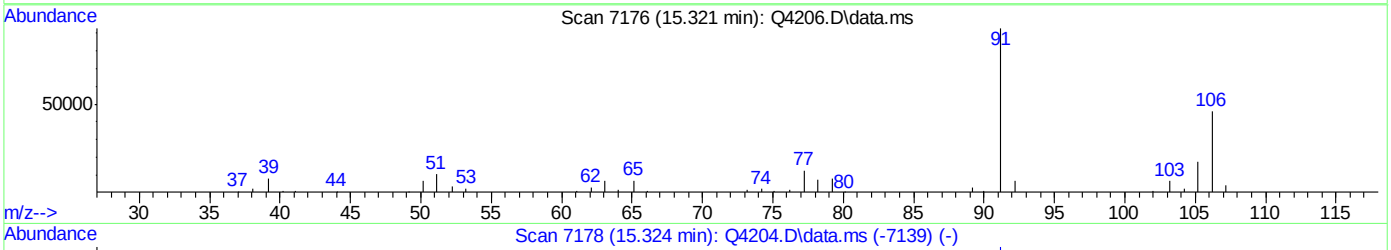
ACCUTEST Laboratories M66801

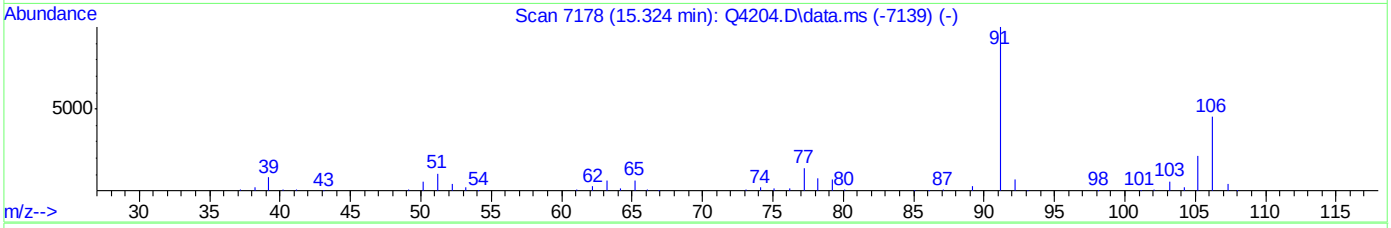
Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\
Data File : Q4206.D
Acq On : 7 Aug 2007 3:50 pm
Operator : danat
Sample : ic223-2 (M090)
Misc : MS14034, MSQ223,,,,,1
ALS Vial : 4 Sample Multiplier: 1

Quant Time: Aug 07 16:15:22 2007
Quant Method : C:\msdchem\1\METHODS\Q080707T.m
Quant Title : TO15 by GCMS w/DB-1 60 m X .25 mm ID 1.0 um
QLast Update : Tue Aug 07 15:30:31 2007
Response via : Initial Calibration







TIC: Q4206.D\data.ms

(56) m,p-XYLENE (m)

15.321min (-0.004) 4.56PPBV m

response 121061

Ion	Exp%	Act%
106.00	100	100
91.00	222.50	201.74
77.00	31.10	27.58
0.00	0.00	0.00

ACCUTEST Laboratories M66801

Manual Integrations APPROVED (compounds with "m" flag)
Philip Bassignani
08/09/07 15:52

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\
Data File : Q4209.D
Acq On : 8 Aug 2007 9:36 am
Operator : danat
Sample : icv223-10 (M164)
Misc : MS14034, MSQ223,,,,,1
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Aug 08 15:14:55 2007
Quant Method : C:\msdchem\1\METHODS\Q080707T.m
Quant Title : TO15 by GCMS w/DB-1 60 m X .25 mm ID 1.0 um
QLast Update : Tue Aug 07 16:18:47 2007
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) BROMOCHLOROMETHANE	8.630	128	93709	10.00	PPBV	0.00
35) 1,4-DIFLUOROBENZENE	10.460	114	446383	10.00	PPBV	0.00
49) CHLOROBENZENE-D5	14.703	117	399400	10.00	PPBV	0.00
System Monitoring Compounds						
61) 4-BROMOFLUOROBENZENE	16.322	95	178721	5.53	PPBV	0.00
Spiked Amount 5.000	Range 57 - 139		Recovery = 110.60%			
Target Compounds						Qvalue
2) DICHLORODIFLUOROMETHANE	4.037	85	496548	9.32	PPBV	99
3) PROPYLENE	3.966	41	46618	7.34	PPBV	99
4) FREON 114	4.299	85	443315	9.81	PPBV	96
5) CHLOROMETHANE	4.197	50	78320	8.02	PPBV	93
6) VINYL CHLORIDE	4.420	62	113812	9.32	PPBV	99
7) 1,3-BUTADIENE	4.562	39	103030	11.23	PPBV	95
8) BROMOMETHANE	4.832	94	147134	10.51	PPBV	99
9) CHLOROETHANE	5.008	64	54482	11.09	PPBV	96
10) TRICHLOROFLUOROMETHANE	5.787	101	631974	12.21	PPBV	100
11) ISOPROPYL ALCOHOL	5.824	45	176602	12.68	PPBV	98
12) ACETONE	5.599	43	171733	12.28	PPBV	98
13) PENTANE	6.142	42	116650	10.74	PPBV	99
14) 1,1-DICHLOROETHYLENE	6.422	96	144962	10.37	PPBV #	83
15) CARBON DISULFIDE	6.855	76	427377	11.34	PPBV	93
16) ETHANOL	5.091	45	24409	11.25	PPBV	98
17) BROMOETHENE	5.370	106	148852	11.22	PPBV #	97
18) METHYLENE CHLORIDE	6.536	84	126575	10.48	PPBV	89
19) 3-CHLOROPROPENE	6.662	39	156649	13.72	PPBV	94
20) FREON 113	6.800	151	276647	10.04	PPBV	91
21) TRANS-1,2-DICHLOROETHY...	7.467	96	150246	11.30	PPBV	91
22) TERTIARY BUTYL ALCOHOL	6.427	59	247017	12.10	PPBV	97
23) METHYL TERTIARY BUTYL ...	7.707	73	321181	12.23	PPBV	97
24) TETRAHYDROFURAN	9.136	42	67203	11.62	PPBV	88
25) HEXANE	8.662	57	136307	11.61	PPBV	97
26) VINYL ACETATE	7.783	43	220656	12.43	PPBV	98
27) 1,1-DICHLOROETHANE	7.661	63	292656	12.02	PPBV	100
28) METHYL ETHYL KETONE	8.030	43	163236	11.24	PPBV	92
29) cis-1,2-DICHLOROETHYLENE	8.467	96	118388	11.12	PPBV #	86
30) ETHYL ACETATE	8.662	43	262034	9.84	PPBV	99
31) CHLOROFORM	8.751	83	351430	11.40	PPBV	98
32) 1,1,1-TRICHLOROETHANE	9.704	97	400041	12.33	PPBV	98
33) CARBON TETRACHLORIDE	10.289	117	461616	12.26	PPBV	99
34) 1,2-DICHLOROETHANE	9.459	62	242120	12.58	PPBV	99
36) BENZENE	10.146	78	301077	10.45	PPBV	98
37) CYCLOHEXANE	10.410	84	126639	9.79	PPBV	85
38) TRICHLOROETHYLENE	11.143	95	191876	10.85	PPBV	92
39) 1,2-DICHLOROPROPANE	10.919	63	95751	10.35	PPBV	99
40) BROMODICHLOROMETHANE	11.102	83	331703	11.53	PPBV	99
41) 2,2,4-TRIMETHYLPENTANE	11.164	57	464457	10.58	PPBV	99
42) 1,4-DIOXANE	11.129	88	50798	9.78	PPBV	88
43) HEPTANE	11.402	43	153052	10.71	PPBV	96

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\
Data File : Q4209.D
Acq On : 8 Aug 2007 9:36 am
Operator : danat
Sample : icv223-10 (M164)
Misc : MS14034, MSQ223,,,,,1
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Aug 08 15:14:55 2007
Quant Method : C:\msdchem\1\METHODS\Q080707T.m
Quant Title : TO15 by GCMS w/DB-1 60 m X .25 mm ID 1.0 um
QLast Update : Tue Aug 07 16:18:47 2007
Response via : Initial Calibration

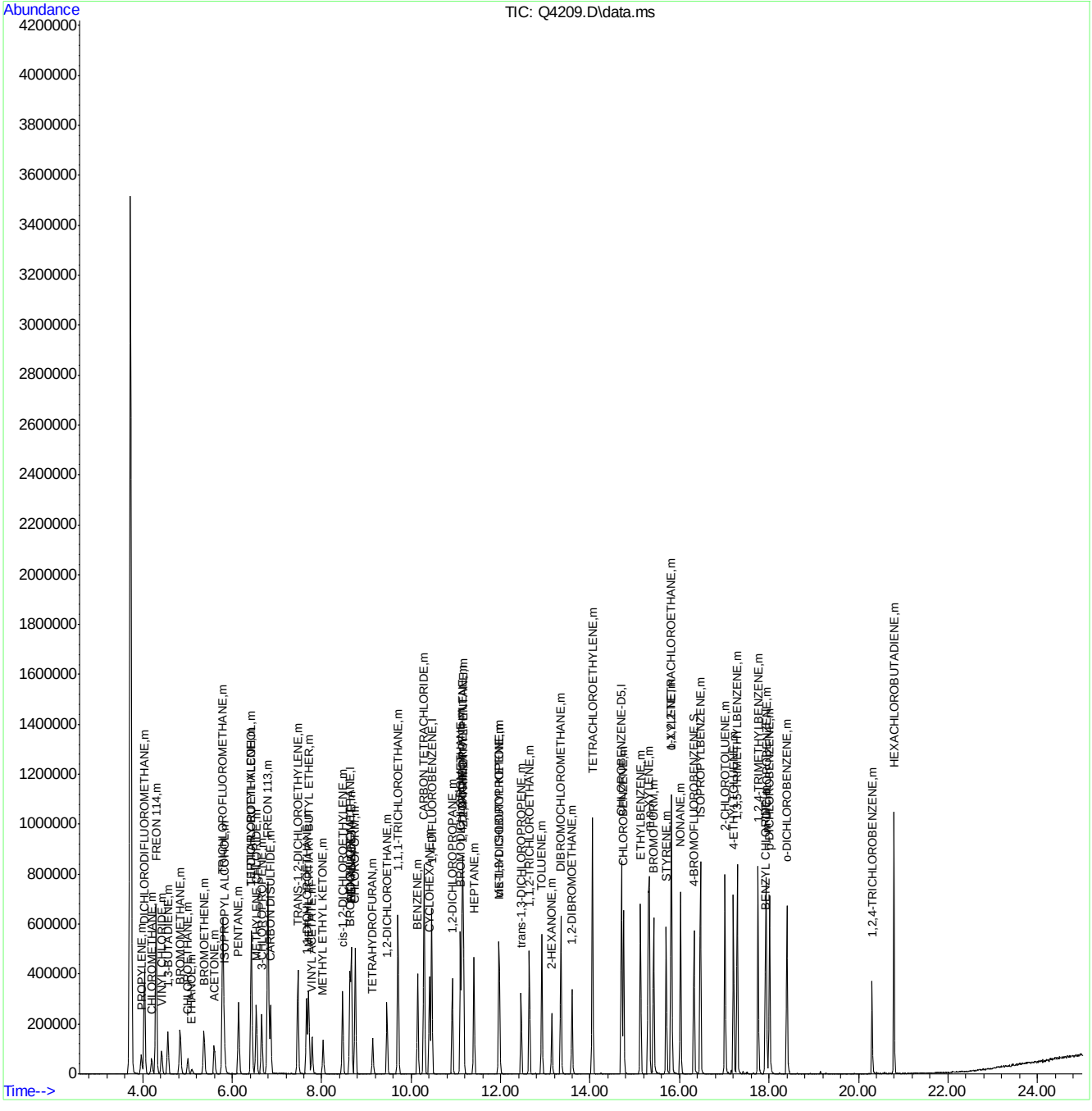
Internal Standards	R.T.	QIon	Response	Conc Units	Dev(Min)
44) METHYL ISOBUTYL KETONE	11.974	43	175875	11.00 PPBV	95
45) cis-1,3-DICHLOROPROPENE	11.959	75	175375	12.45 PPBV	95
46) TOLUENE	12.920	92	202549	10.33 PPBV	97
47) trans-1,3-DICHLOROPROPENE	12.458	75	145431	11.37 PPBV	94
48) 1,1,2-TRICHLOROETHANE	12.641	83	106541	10.42 PPBV	97
50) 2-HEXANONE	13.143	43	151582	11.31 PPBV	96
51) TETRACHLOROETHYLENE	14.052	164	189685	10.41 PPBV	94
52) DIBROMOCHLOROMETHANE	13.347	129	296083	11.78 PPBV	99
53) 1,2-DIBROMOETHANE	13.598	107	205050	11.03 PPBV	99
54) CHLOROBENZENE	14.748	112	288087	10.42 PPBV	96
55) ETHYLBENZENE	15.127	91	455679	11.17 PPBV	99
56) m,p-XYLENE	15.323	106	341112	22.84 PPBV	96
57) o-XYLENE	15.821	106	172874	11.88 PPBV	99
58) STYRENE	15.699	104	253286	11.16 PPBV	96
59) NONANE	16.024	43	221880	12.32 PPBV	97
60) BROMOFORM	15.420	173	272555m	10.32 PPBV	
62) 1,1,2,2-TETRACHLOROETHANE	15.809	83	251264	10.61 PPBV	99
63) ISOPROPYLBENZENE	16.466	105	539553	11.86 PPBV	98
64) 2-CHLOROTOLUENE	17.014	91	410912	12.02 PPBV	96
65) 4-ETHYLTOLUENE	17.204	105	404999	10.54 PPBV	99
66) 1,3,5-TRIMETHYLBENZENE	17.289	105	430906	11.18 PPBV	99
67) 1,2,4-TRIMETHYLBENZENE	17.754	105	423349	12.19 PPBV	99
68) m-DICHLOROBENZENE	17.939	146	270327	11.83 PPBV	99
69) BENZYL CHLORIDE	17.914	91	230870	12.12 PPBV	99
70) p-DICHLOROBENZENE	18.010	146	265835	12.26 PPBV	98
71) o-DICHLOROBENZENE	18.398	146	246440	11.58 PPBV	98
72) HEXACHLOROBUTADIENE	20.792	225	162023	9.50 PPBV	100
73) 1,2,4-TRICHLOROBENZENE	20.303	180	95259	13.48 PPBV	98

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

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\
Data File : Q4209.D
Acq On : 8 Aug 2007 9:36 am
Operator : danat
Sample : icv223-10 (M164)
Misc : MS14034, MSQ223,,,,,1
ALS Vial : 1 Sample Multiplier: 1

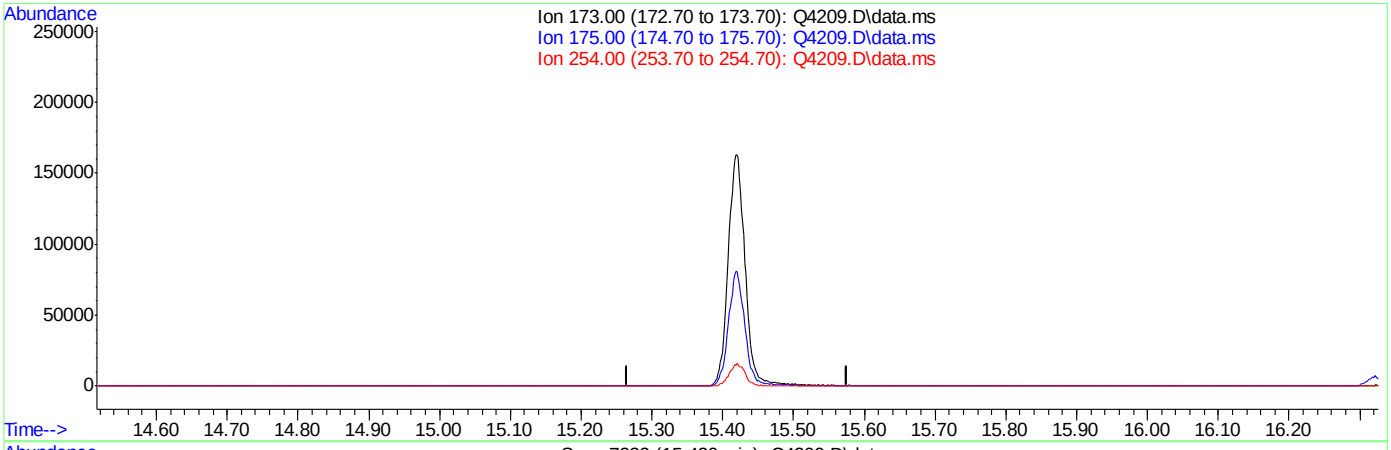
Quant Time: Aug 08 15:14:55 2007
Quant Method : C:\msdchem\1\METHODS\Q080707T.m
Quant Title : TO15 by GCMS w/DB-1 60 m X .25 mm ID 1.0 um
QLast Update : Tue Aug 07 16:18:47 2007
Response via : Initial Calibration

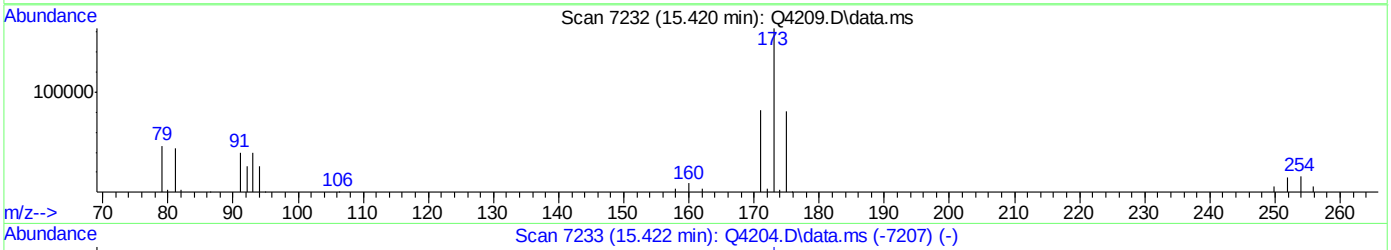


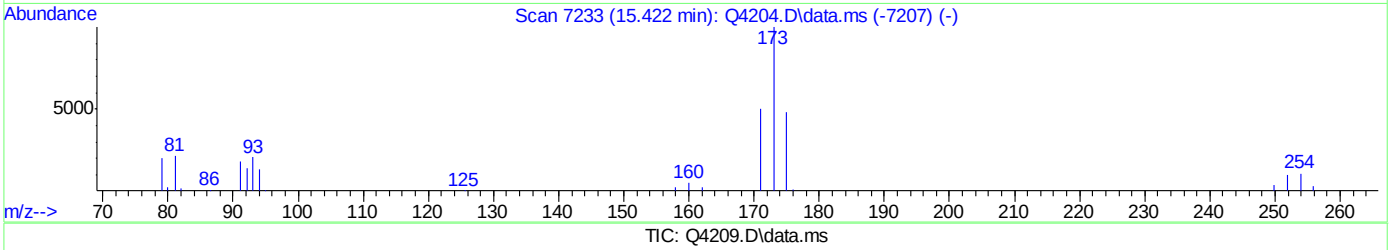
Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\
Data File : Q4209.D
Acq On : 8 Aug 2007 9:36 am
Operator : danat
Sample : icv223-10 (M164)
Misc : MS14034, MSQ223,,,,,1
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Aug 08 10:49:04 2007
Quant Method : C:\msdchem\1\METHODS\Q080707T.m
Quant Title : TO15 by GCMS w/DB-1 60 m X .25 mm ID 1.0 um
QLast Update : Tue Aug 07 16:18:47 2007
Response via : Initial Calibration







TIC: Q4209.D\data.ms

(60) BROMOFORM (m)

15.421min (-15.421) 0.00PPBV

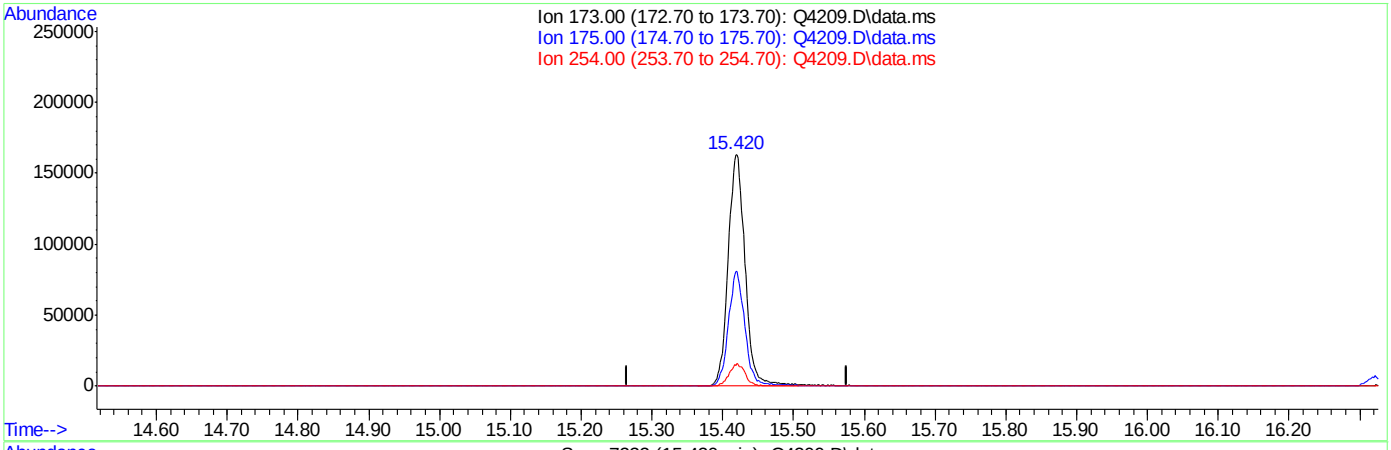
response 0

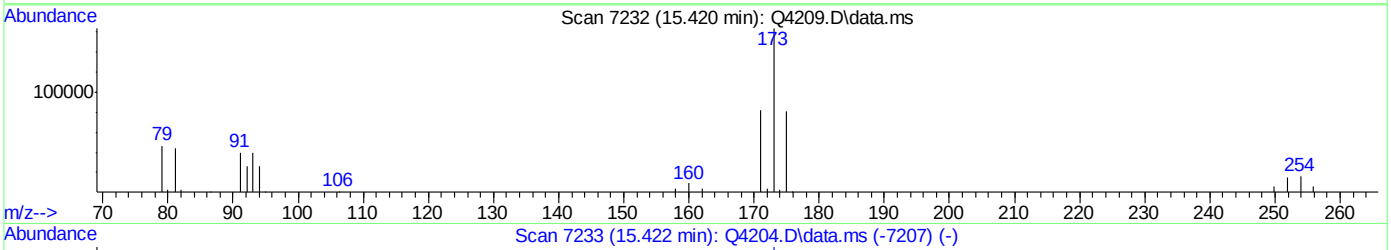
Ion	Exp%	Act%
173.00	100	0.00
175.00	49.10	0.00#
254.00	10.00	0.00
0.00	0.00	0.00

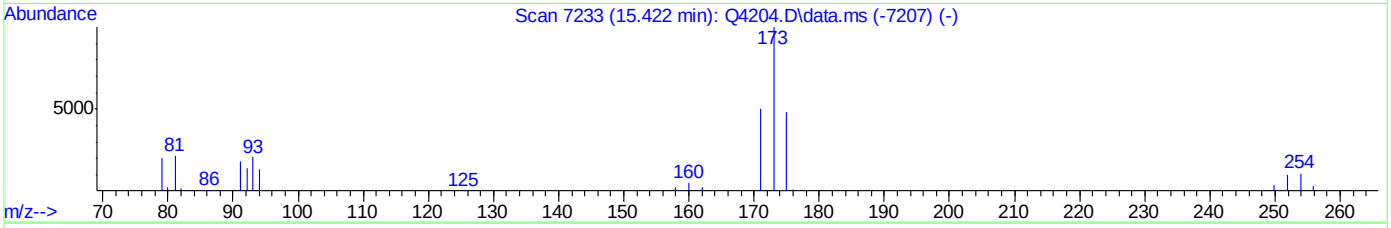
Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\
Data File : Q4209.D
Acq On : 8 Aug 2007 9:36 am
Operator : danat
Sample : icv223-10 (M164)
Misc : MS14034, MSQ223,,,,,1
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Aug 08 10:49:04 2007
Quant Method : C:\msdchem\1\METHODS\Q080707T.m
Quant Title : TO15 by GCMS w/DB-1 60 m X .25 mm ID 1.0 um
QLast Update : Tue Aug 07 16:18:47 2007
Response via : Initial Calibration







TIC: Q4209.D\data.ms

(60) BROMOFORM (m)

15.420min (-0.001) 10.32PPBV m

response 272555

Ion	Exp%	Act%
173.00	100	100
175.00	49.10	0.00#
254.00	10.00	0.00
0.00	0.00	0.00

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\
Data File : Q4234.D
Acq On : 9 Aug 2007 2:36 pm
Operator : danat
Sample : cc223-10 (M164)
Misc : MS14080, MSQ225,,,,,1
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Aug 09 16:54:17 2007
Quant Method : C:\msdchem\1\METHODS\Q080707T.m
Quant Title : TO15 by GCMS w/DB-1 60 m X .25 mm ID 1.0 um
QLast Update : Thu Aug 09 09:41:35 2007
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) BROMOCHLOROMETHANE	8.626	128	90887	10.00	PPBV	0.00
35) 1,4-DIFLUOROBENZENE	10.458	114	432071	10.00	PPBV	0.00
49) CHLOROBENZENE-D5	14.701	117	379287	10.00	PPBV	0.00
System Monitoring Compounds						
61) 4-BROMOFLUOROBENZENE	16.322	95	147090	4.80	PPBV	0.00
Spiked Amount 5.000	Range 57 - 139		Recovery = 96.00%			
Target Compounds						Qvalue
2) DICHLORODIFLUOROMETHANE	4.037	85	535327	10.36	PPBV	99
3) PROPYLENE	3.962	41	57021	9.25	PPBV	90
4) FREON 114	4.296	85	410552	9.36	PPBV	96
5) CHLOROMETHANE	4.193	50	74507	7.86	PPBV	98
6) VINYL CHLORIDE	4.418	62	97757	8.26	PPBV	100
7) 1,3-BUTADIENE	4.559	39	85491	9.61	PPBV	91
8) BROMOMETHANE	4.832	94	121359	8.94	PPBV	99
9) CHLOROETHANE	5.008	64	44756	9.39	PPBV	95
10) TRICHLOROFLUOROMETHANE	5.789	101	551118	10.98	PPBV	100
11) ISOPROPYL ALCOHOL	5.820	45	151713	11.25	PPBV	93
12) ACETONE	5.597	43	150095	11.07	PPBV	96
13) PENTANE	6.140	42	93761	8.90	PPBV	98
14) 1,1-DICHLOROETHYLENE	6.424	96	126997	9.36	PPBV	90
15) CARBON DISULFIDE	6.853	76	349754	9.57	PPBV	93
16) ETHANOL	5.096	45	21349	10.13	PPBV	99
17) BROMOETHENE	5.363	106	125740	9.77	PPBV #	97
18) METHYLENE CHLORIDE	6.534	84	116614	9.91	PPBV	95
19) 3-CHLOROPROPENE	6.656	39	134956	12.19	PPBV	92
20) FREON 113	6.797	151	277826	10.40	PPBV	98
21) TRANS-1,2-DICHLOROETHY...	7.462	96	130884	10.15	PPBV	97
22) TERTIARY BUTYL ALCOHOL	6.426	59	241965	12.23	PPBV	95
23) METHYL TERTIARY BUTYL ...	7.704	73	305048	11.97	PPBV	97
24) TETRAHYDROFURAN	9.136	42	71752	12.79	PPBV	89
25) HEXANE	8.665	57	139531	12.24	PPBV	96
26) VINYL ACETATE	7.787	43	201765	11.72	PPBV	98
27) 1,1-DICHLOROETHANE	7.659	63	248693	10.53	PPBV	99
28) METHYL ETHYL KETONE	8.025	43	164521	11.68	PPBV	94
29) cis-1,2-DICHLOROETHYLENE	8.467	96	118014	11.43	PPBV	92
30) ETHYL ACETATE	8.660	43	277930	10.76	PPBV	99
31) CHLOROFORM	8.749	83	343691	11.49	PPBV	97
32) 1,1,1-TRICHLOROETHANE	9.702	97	390810	12.42	PPBV	99
33) CARBON TETRACHLORIDE	10.288	117	451139	12.35	PPBV	100
34) 1,2-DICHLOROETHANE	9.459	62	226412	12.13	PPBV	99
36) BENZENE	10.144	78	304017	10.90	PPBV	98
37) CYCLOHEXANE	10.406	84	127461	10.18	PPBV	88
38) TRICHLOROETHYLENE	11.145	95	194369	11.35	PPBV	94
39) 1,2-DICHLOROPROPANE	10.918	63	91471	10.22	PPBV	99
40) BROMODICHLOROMETHANE	11.100	83	323351	11.61	PPBV	99
41) 2,2,4-TRIMETHYLPENTANE	11.166	57	506448	11.92	PPBV	99
42) 1,4-DIOXANE	11.129	88	53562	10.66	PPBV	89
43) HEPTANE	11.404	43	160879	11.63	PPBV	96

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\
Data File : Q4234.D
Acq On : 9 Aug 2007 2:36 pm
Operator : danat
Sample : cc223-10 (M164)
Misc : MS14080, MSQ225,,,,,1
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Aug 09 16:54:17 2007
Quant Method : C:\msdchem\1\METHODS\Q080707T.m
Quant Title : TO15 by GCMS w/DB-1 60 m X .25 mm ID 1.0 um
QLast Update : Thu Aug 09 09:41:35 2007
Response via : Initial Calibration

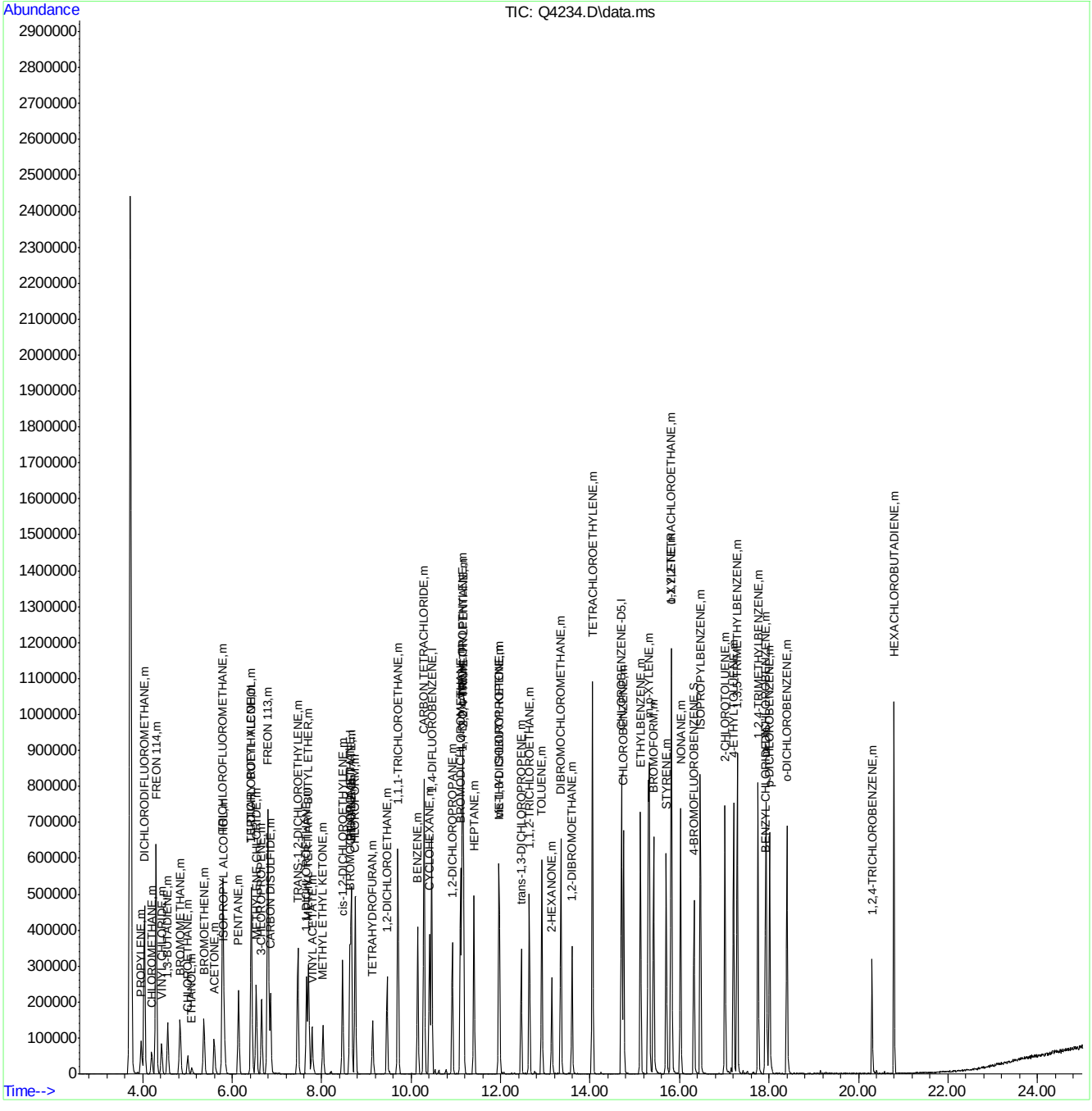
Internal Standards	R.T.	QIon	Response	Conc Units	Dev(Min)
44) METHYL ISOBUTYL KETONE	11.974	43	201264	13.00 PPBV	96
45) cis-1,3-DICHLOROPROPENE	11.959	75	181980	13.34 PPBV	93
46) TOLUENE	12.920	92	212552	11.19 PPBV	98
47) trans-1,3-DICHLOROPROPENE	12.458	75	151617	12.25 PPBV	93
48) 1,1,2-TRICHLOROETHANE	12.641	83	106977	10.81 PPBV	96
50) 2-HEXANONE	13.143	43	168283	13.22 PPBV	95
51) TETRACHLOROETHYLENE	14.054	164	197314	11.40 PPBV	95
52) DIBROMOCHLOROMETHANE	13.347	129	308960	12.95 PPBV	99
53) 1,2-DIBROMOETHANE	13.596	107	205884	11.66 PPBV	100
54) CHLOROBENZENE	14.748	112	299411	11.41 PPBV	97
55) ETHYLBENZENE	15.126	91	487372	12.58 PPBV	98
56) m,p-XYLENE	15.323	106	366334	25.83 PPBV	96
57) o-XYLENE	15.818	106	179030	12.95 PPBV	98
58) STYRENE	15.701	104	257548	11.86 PPBV	98
59) NONANE	16.020	43	226382	13.24 PPBV	96
60) BROMOFORM	15.420	173	289551	11.43 PPBV	99
62) 1,1,2,2-TETRACHLOROETHANE	15.809	83	258979	11.51 PPBV	98
63) ISOPROPYLBENZENE	16.464	105	515734	11.94 PPBV	98
64) 2-CHLOROTOLUENE	17.018	91	386122	11.89 PPBV	97
65) 4-ETHYLTOLUENE	17.206	105	424835	11.64 PPBV	98
66) 1,3,5-TRIMETHYLBENZENE	17.289	105	454269	12.42 PPBV	97
67) 1,2,4-TRIMETHYLBENZENE	17.752	105	411518	12.48 PPBV	99
68) m-DICHLOROBENZENE	17.937	146	252615	11.64 PPBV	99
69) BENZYL CHLORIDE	17.916	91	233333	12.75 PPBV	99
70) p-DICHLOROBENZENE	18.011	146	245259	11.91 PPBV	98
71) o-DICHLOROBENZENE	18.398	146	241653	11.96 PPBV	99
72) HEXACHLOROBUTADIENE	20.792	225	157774	9.77 PPBV	99
73) 1,2,4-TRICHLOROBENZENE	20.303	180	78848	11.75 PPBV	98

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

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\
Data File : Q4234.D
Acq On : 9 Aug 2007 2:36 pm
Operator : danat
Sample : cc223-10 (M164)
Misc : MS14080, MSQ225,,,,,1
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Aug 09 16:54:17 2007
Quant Method : C:\msdchem\1\METHODS\Q080707T.m
Quant Title : TO15 by GCMS w/DB-1 60 m X .25 mm ID 1.0 um
QLast Update : Thu Aug 09 09:41:35 2007
Response via : Initial Calibration



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

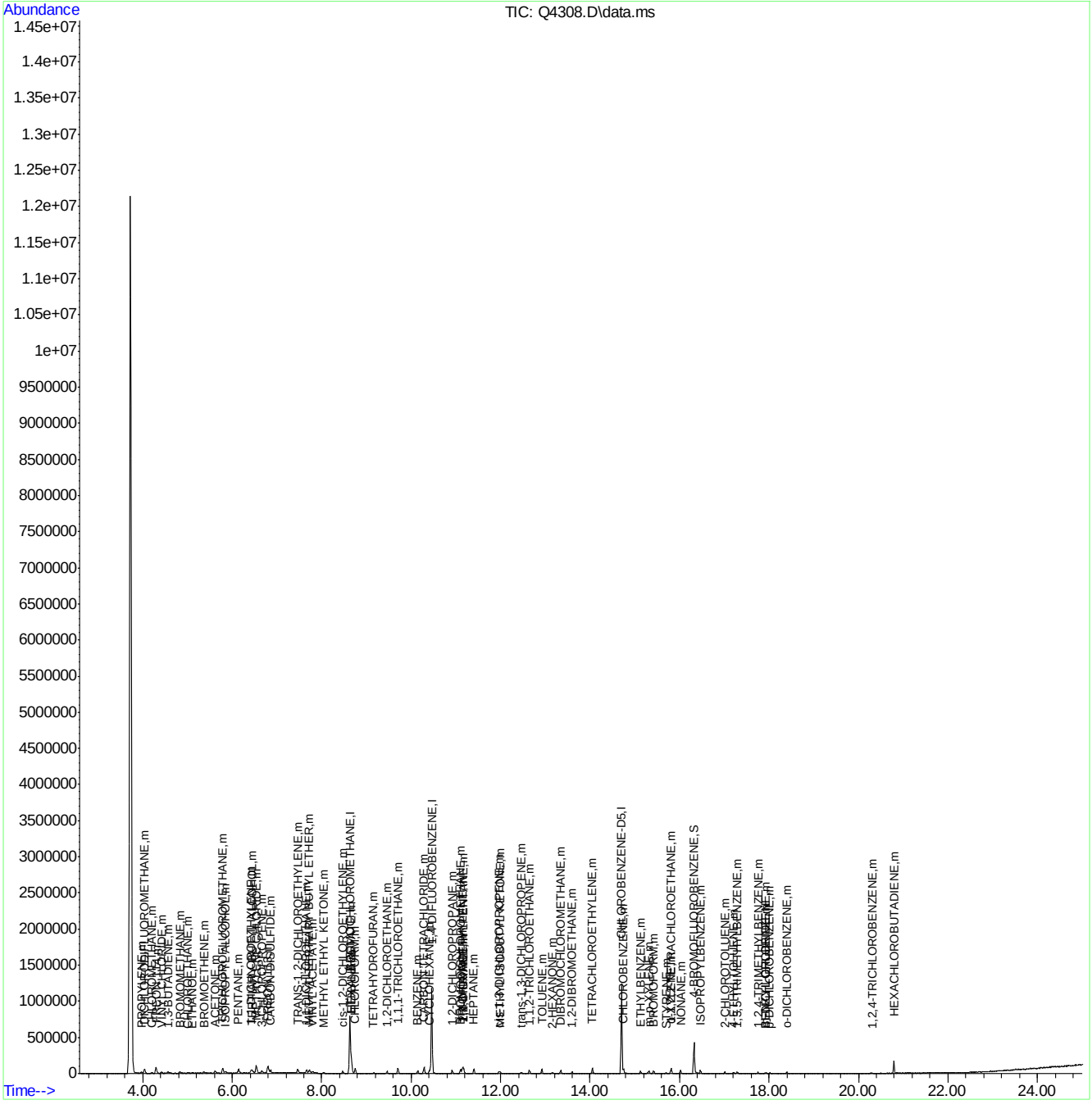
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) METHYL ISOBUTYL KETONE	11.986	43	14231	0.42	PPBV	84
45) cis-1,3-DICHLOROPROPENE	11.961	75	8860	0.42	PPBV	99
46) TOLUENE	12.916	92	20315	0.78	PPBV	89
47) trans-1,3-DICHLOROPROPENE	12.458	75	6383	0.33	PPBV	91
48) 1,1,2-TRICHLOROETHANE	12.641	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

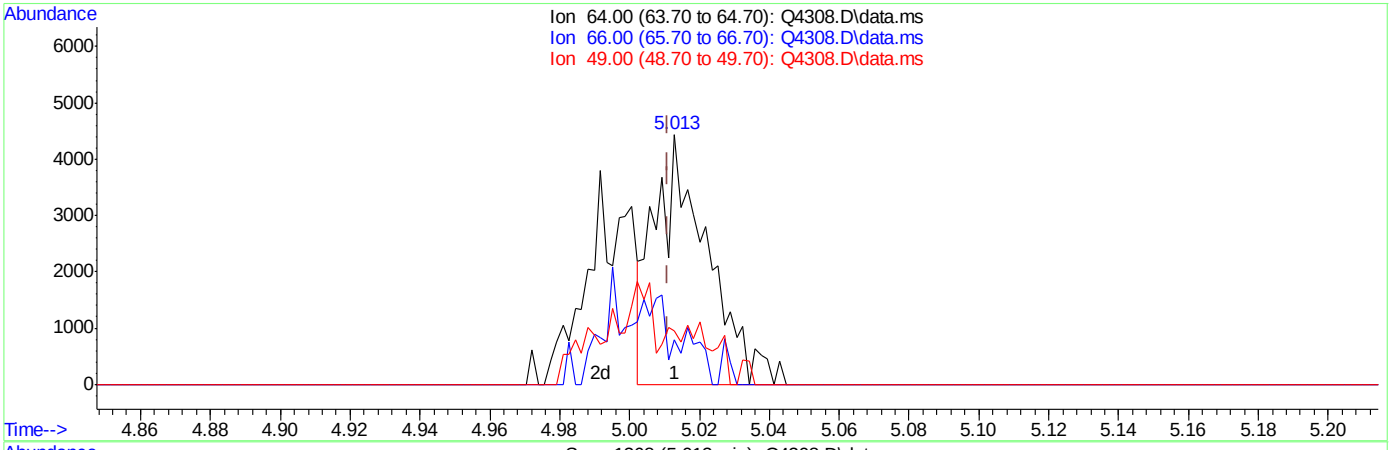
Quant Time: Aug 16 12:34:43 2007
Quant Method : C:\msdchem\1\METHODS\Q081607T.m
Quant Title : TO15 by GCMS w/DB-1 60 m X .25 mm ID 1.0 um
QLast Update : Thu Aug 16 12:33:37 2007
Response via : Initial Calibration

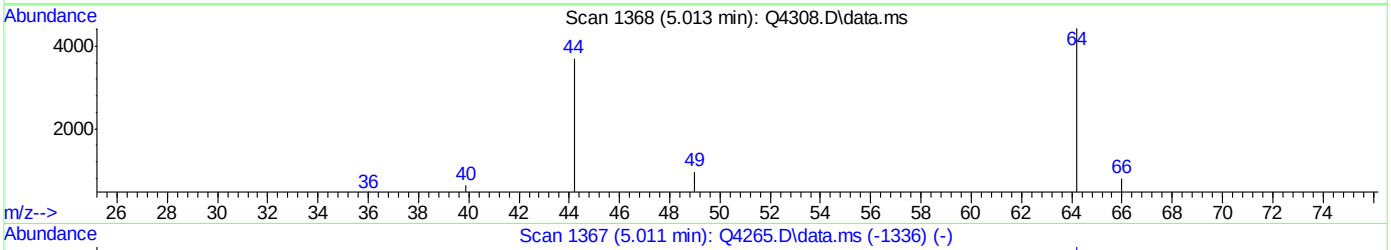


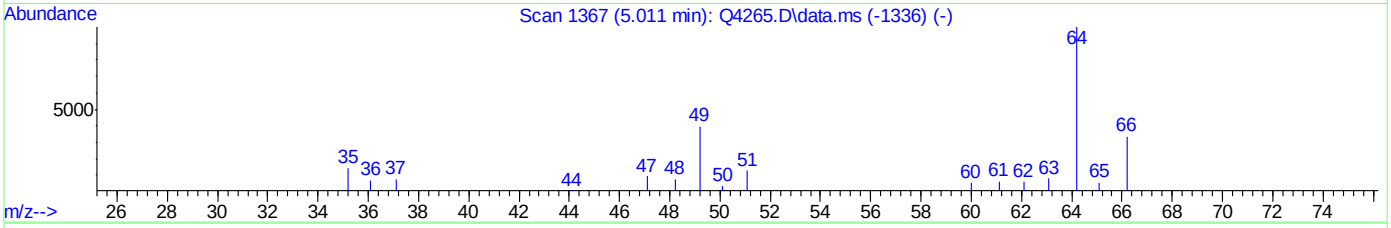
Quantitation Report (Qedit)

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







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
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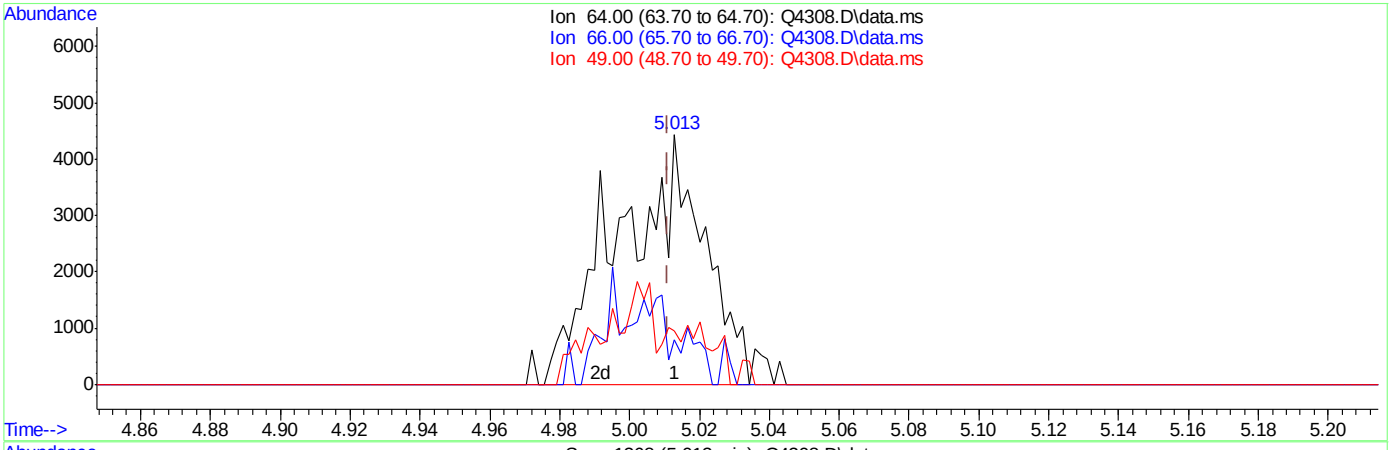
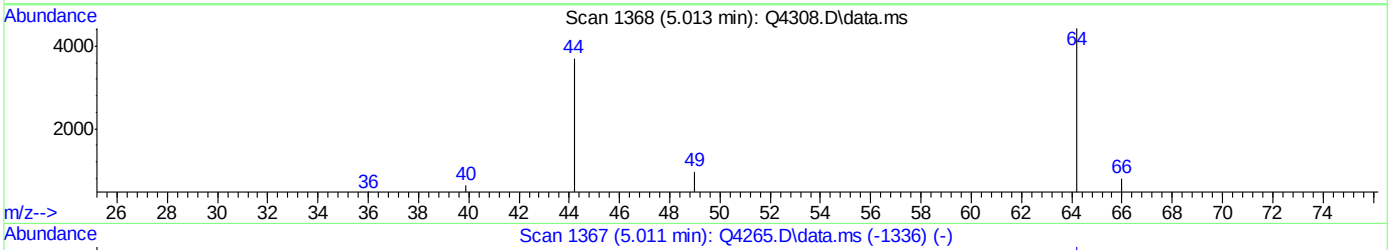
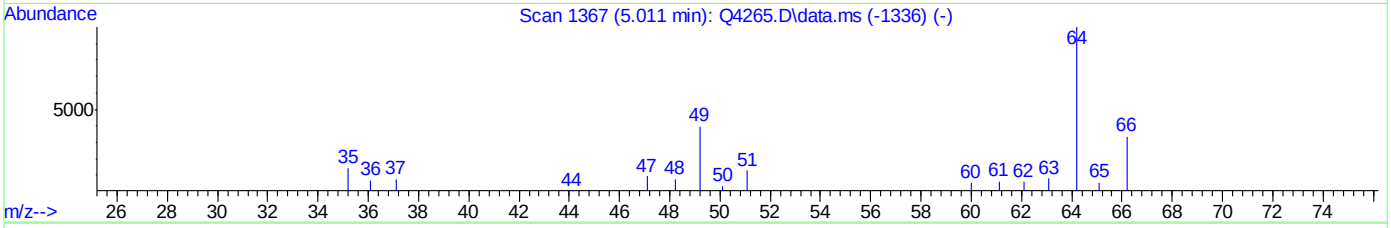






TIC: Q4308.D\data.ms

(9) CHLOROETHANE (m)

5.013min (+0.002) 0.79PPBV m

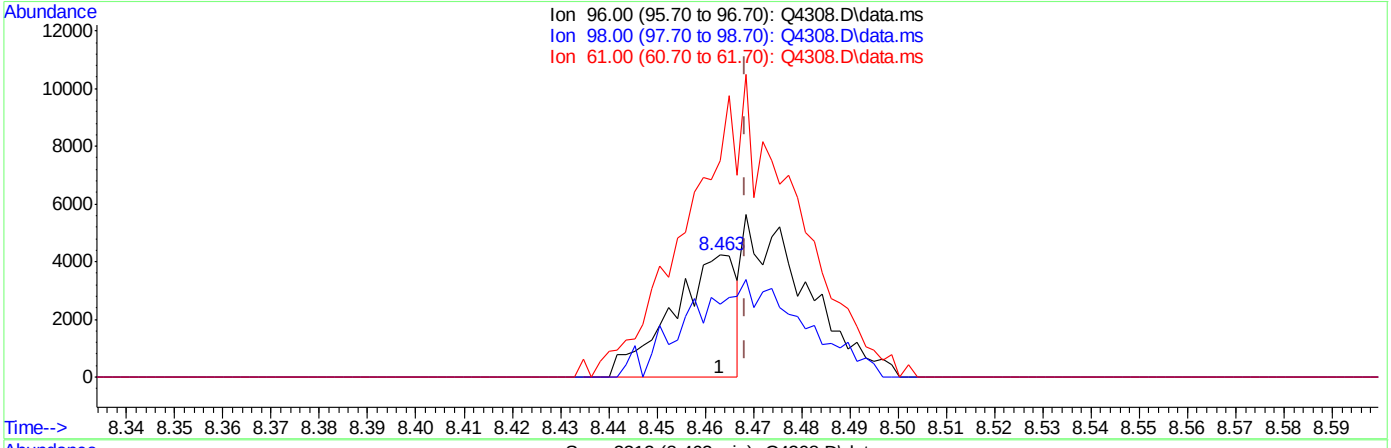
response 7543

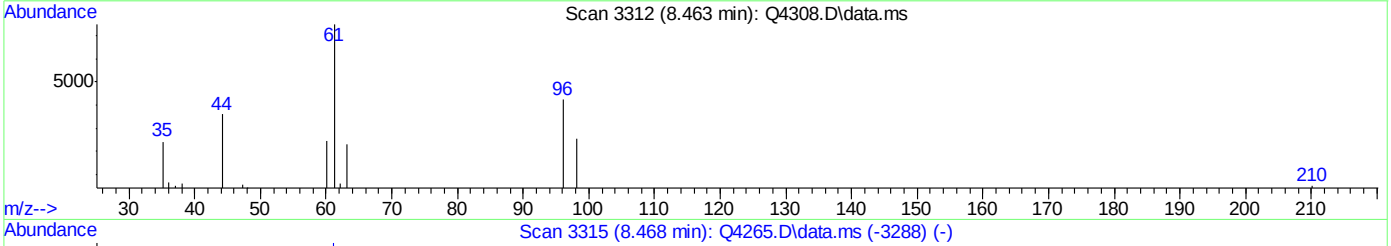
Ion	Exp%	Act%
64.00	100	100
66.00	33.20	0.00#
49.00	37.30	36.78
0.00	0.00	0.00

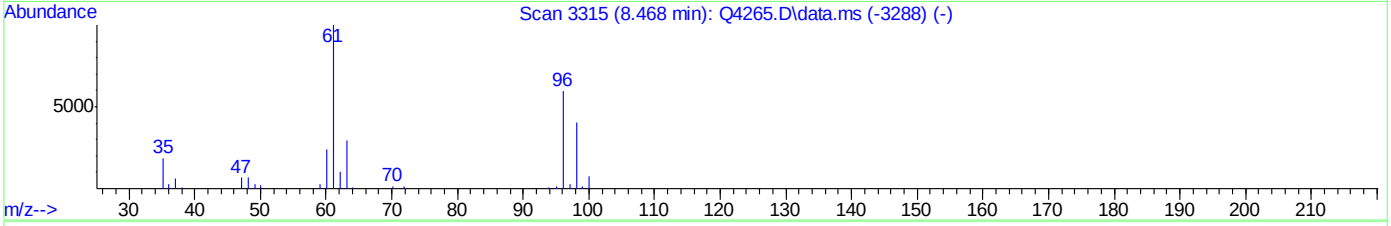
Quantitation Report (Qedit)

```
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

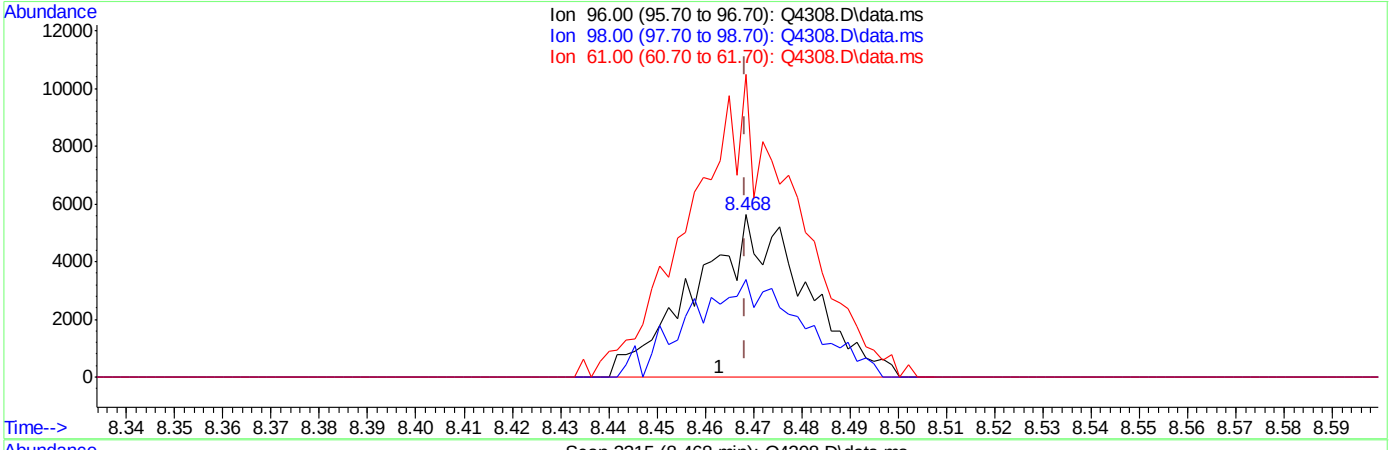
Ion	Exp%	Act%
96.00	100	100
98.00	63.30	142.38#
61.00	164.90	412.01#
0.00	0.00	0.00

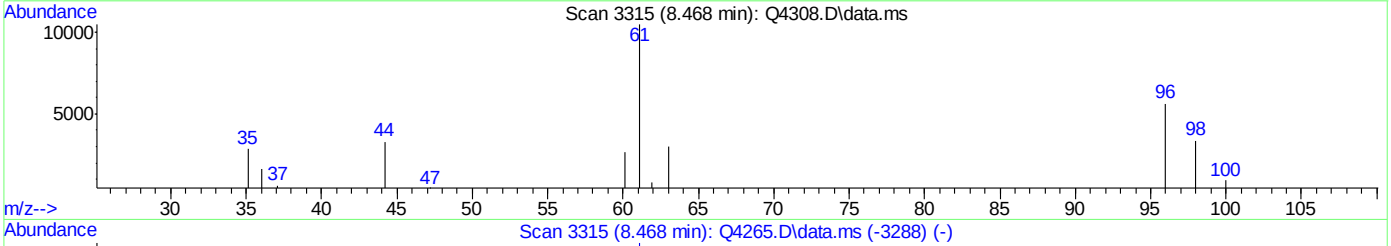
ACCUTEST Laboratories M66801

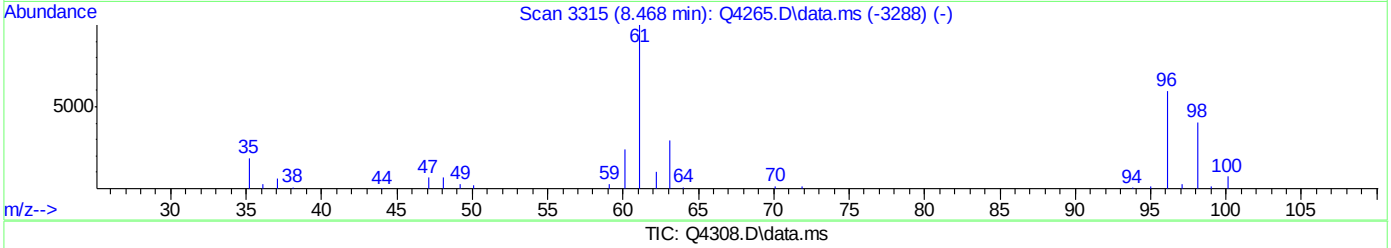
Quantitation Report (Qedit)

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

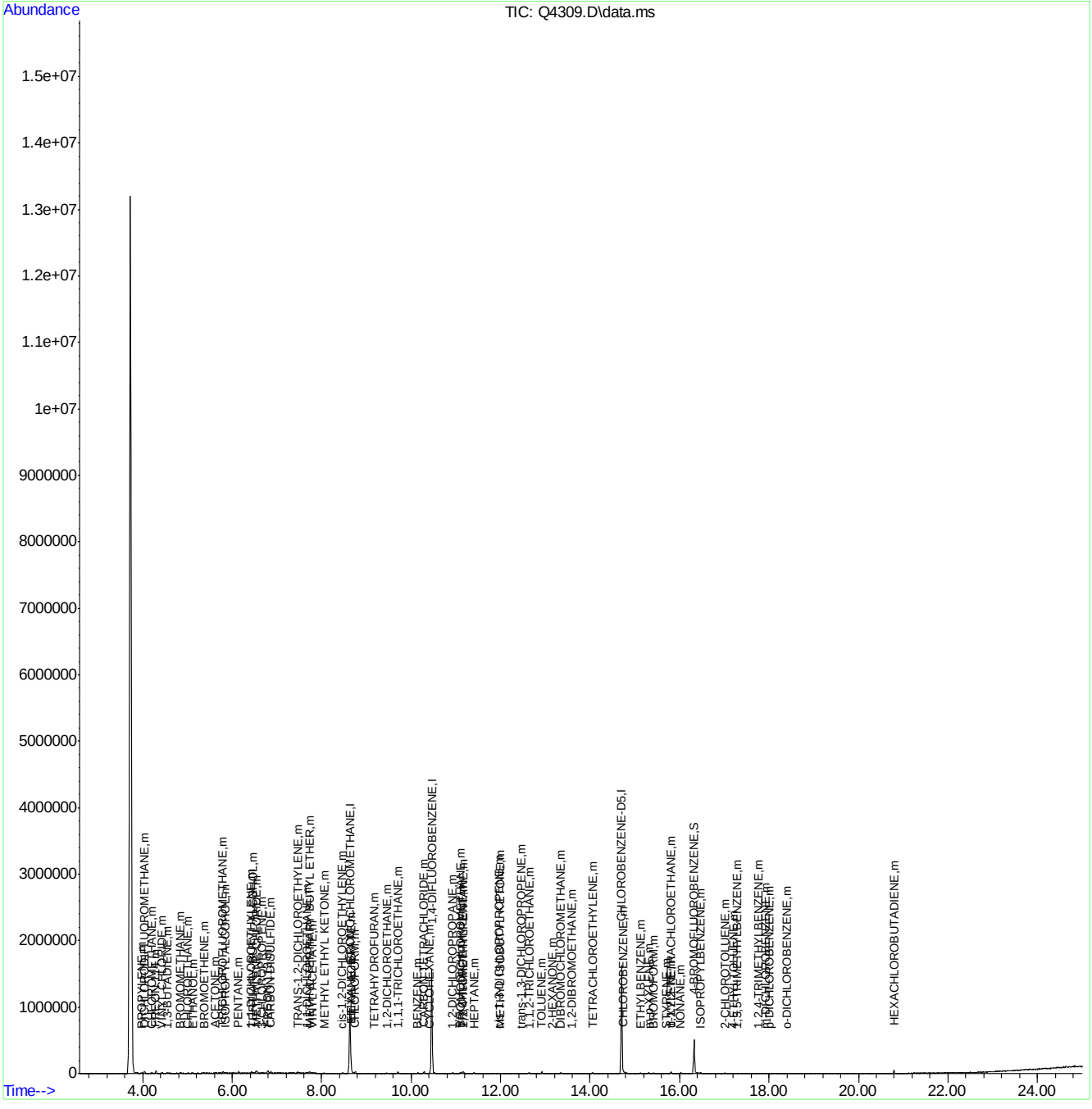
Internal Standards	R.T.	QIon	Response	Conc Units	Dev(Min)
45) cis-1,3-DICHLOROPROPENE	11.959	75	2246	0.08 PPBV #	74
46) TOLUENE	12.916	92	7509	0.23 PPBV	88
47) trans-1,3-DICHLOROPROPENE	12.465	75	1327	0.05 PPBV #	26
48) 1,1,2-TRICHLOROETHANE	12.643	83	3161	0.15 PPBV	96
50) 2-HEXANONE	13.161	43	1791m	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

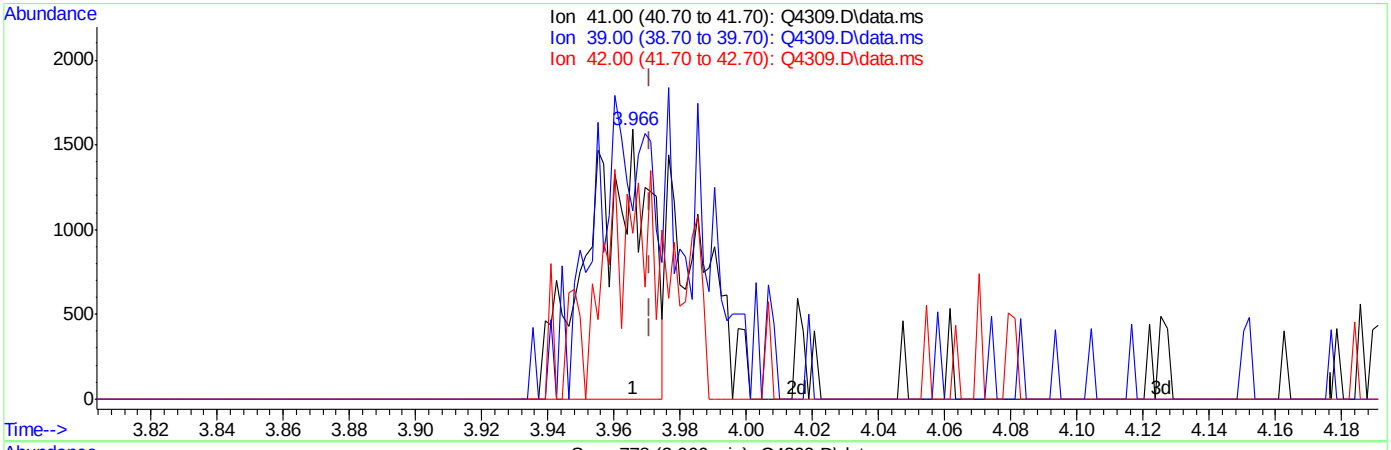
Quant Time: Aug 16 13:43:20 2007
Quant Method : C:\msdchem\1\METHODS\Q081607T.m
Quant Title : TO15 by GCMS w/DB-1 60 m X .25 mm ID 1.0 um
QLast Update : Thu Aug 16 12:33:37 2007
Response via : Initial Calibration

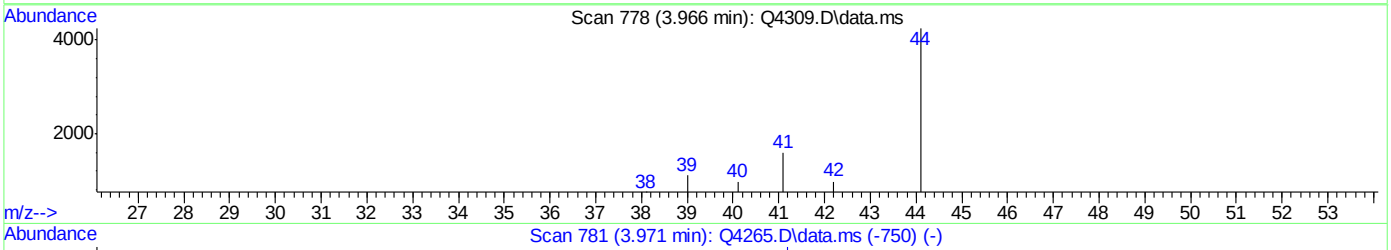


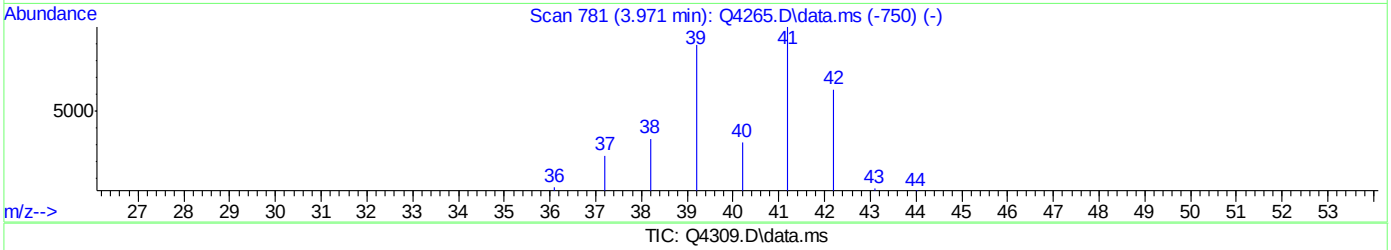
Quantitation Report (Qedit)

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

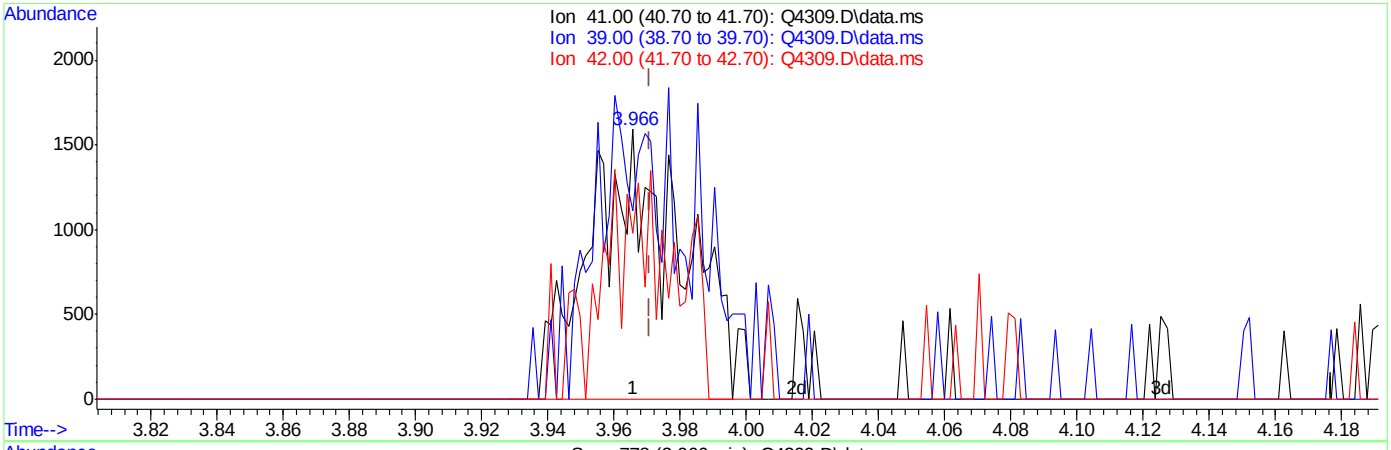
Ion	Exp%	Act%
41.00	100	100
39.00	89.10	69.70
42.00	62.70	61.41
0.00	0.00	0.00

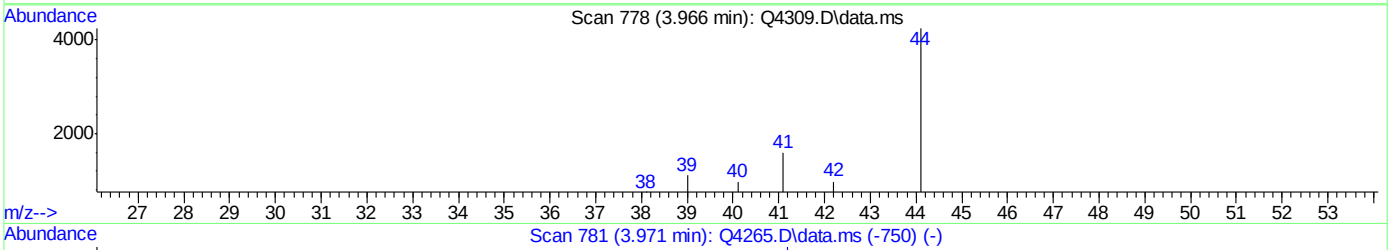
ACCUTEST Laboratories M66801

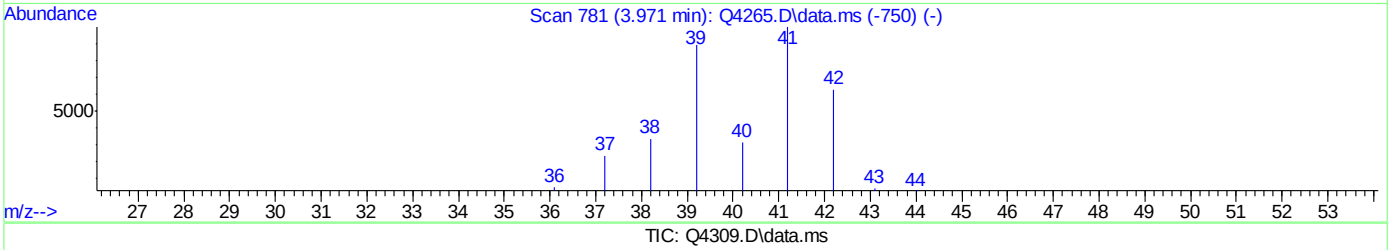
Quantitation Report (Qedit)

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

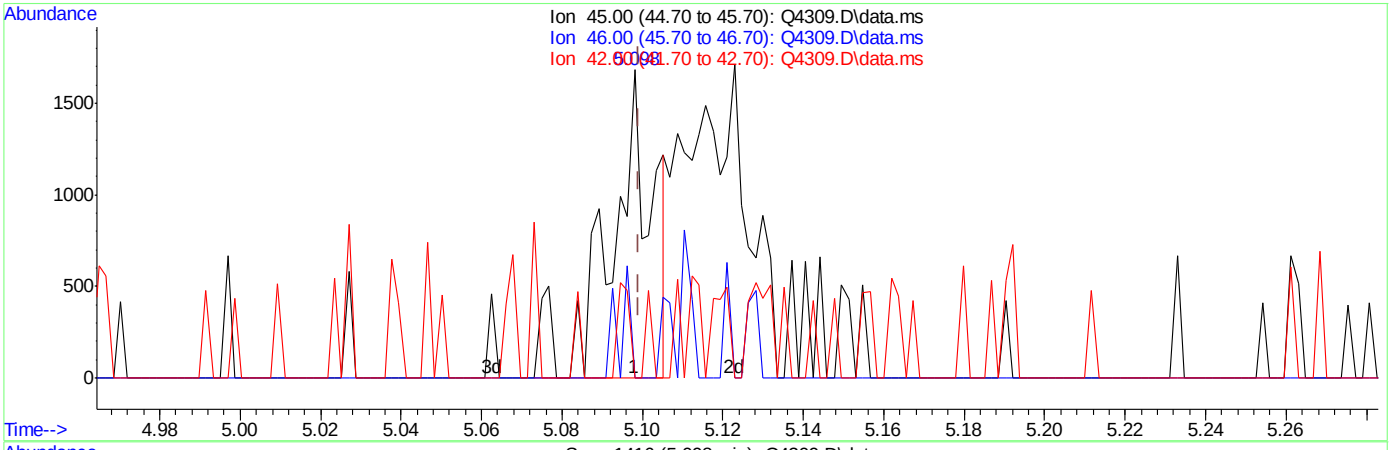
Ion	Exp%	Act%
41.00	100	100
39.00	89.10	69.70
42.00	62.70	61.41
0.00	0.00	0.00

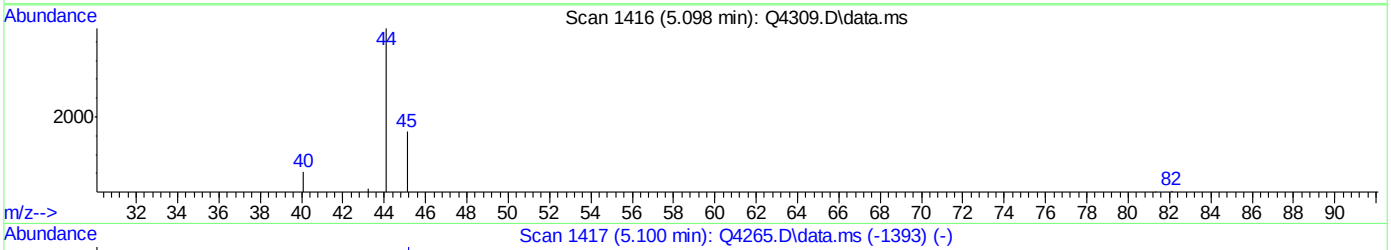
ACCUTEST Laboratories M66801

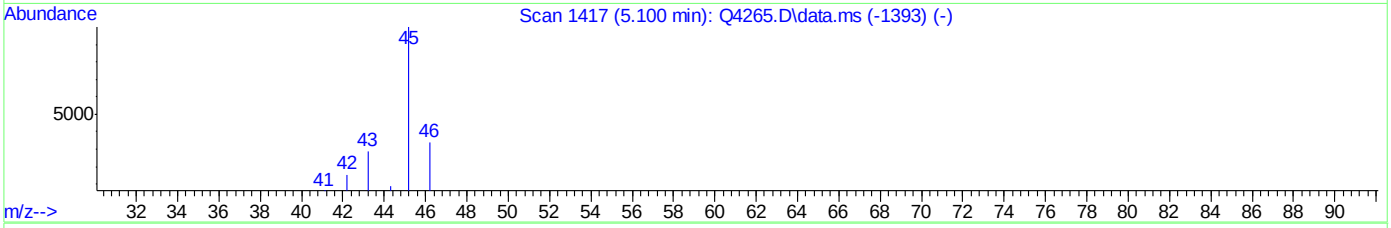
Quantitation Report (Qedit)

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

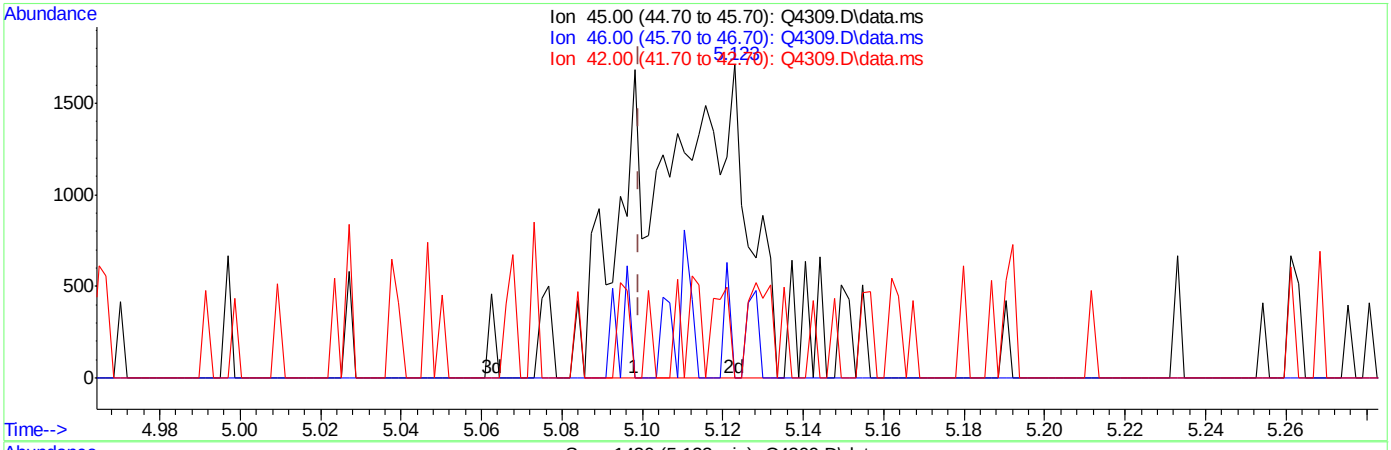
response 1230

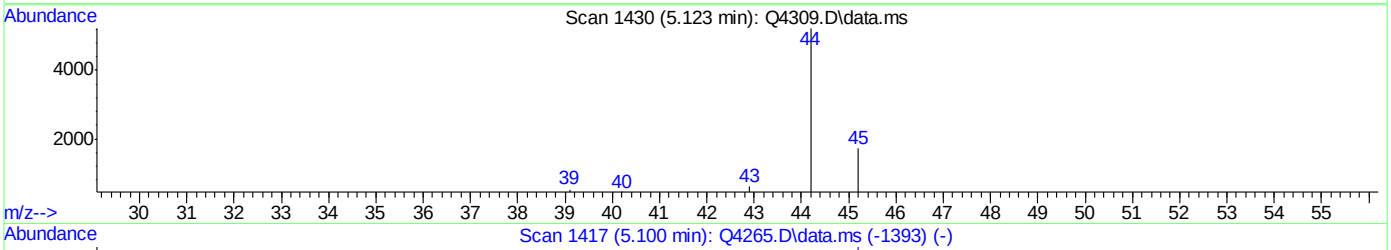
Ion	Exp%	Act%
45.00	100	100
46.00	31.00	0.00#
42.00	13.00	8.62
0.00	0.00	0.00

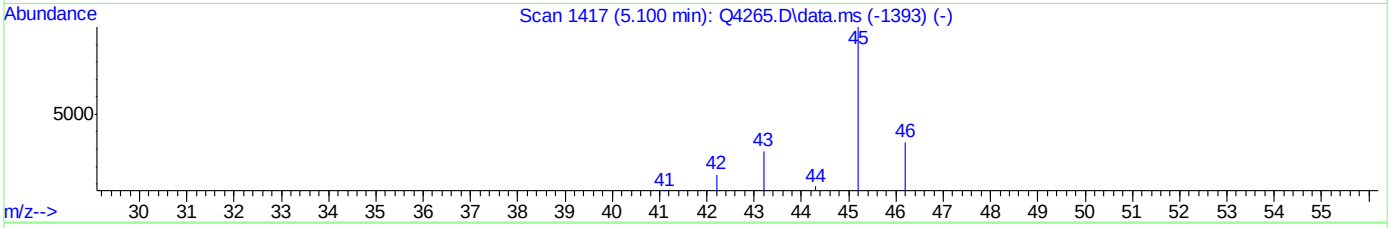
Quantitation Report (Qedit)

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

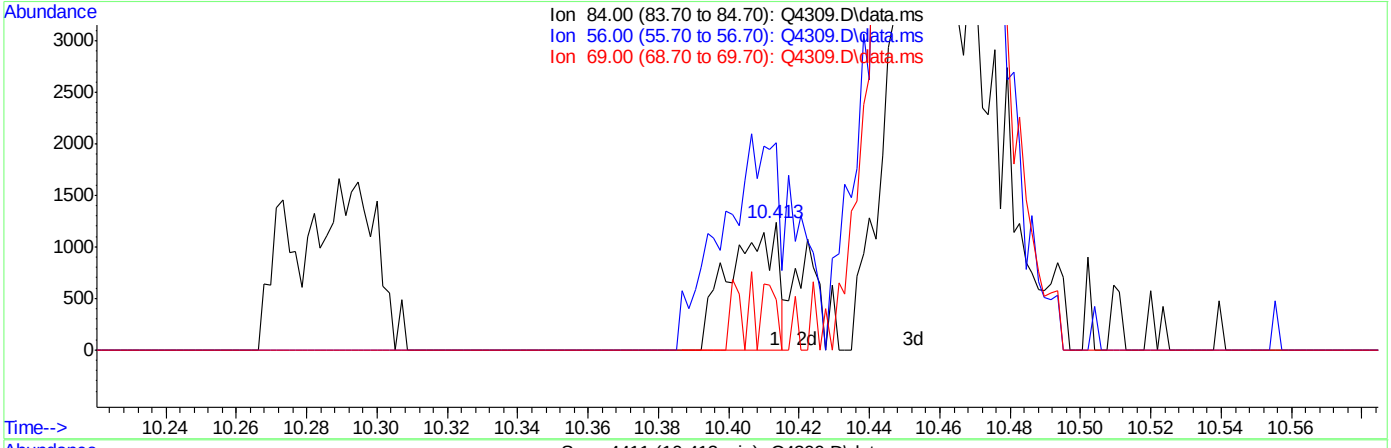
response 2886

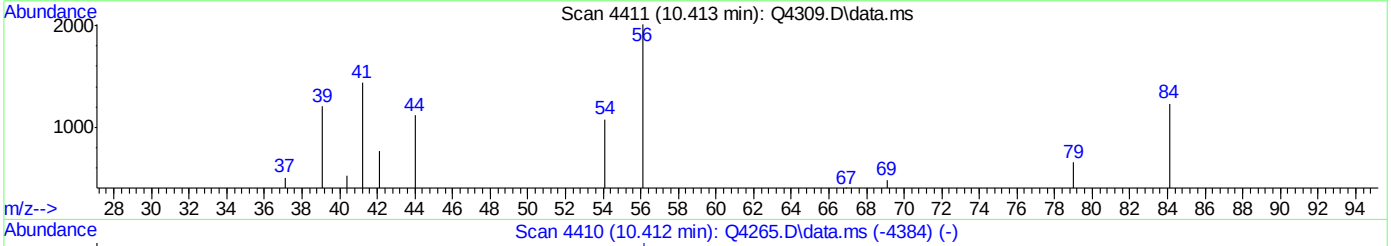
Ion	Exp%	Act%
45.00	100	100
46.00	31.00	0.00#
42.00	13.00	3.67
0.00	0.00	0.00

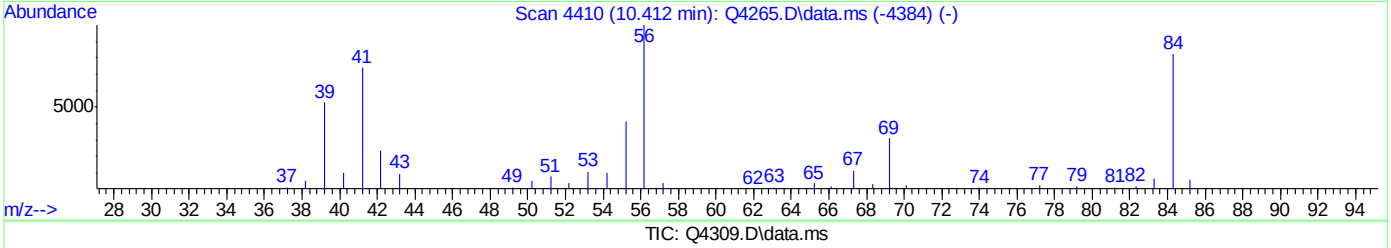
Quantitation Report (Qedit)

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

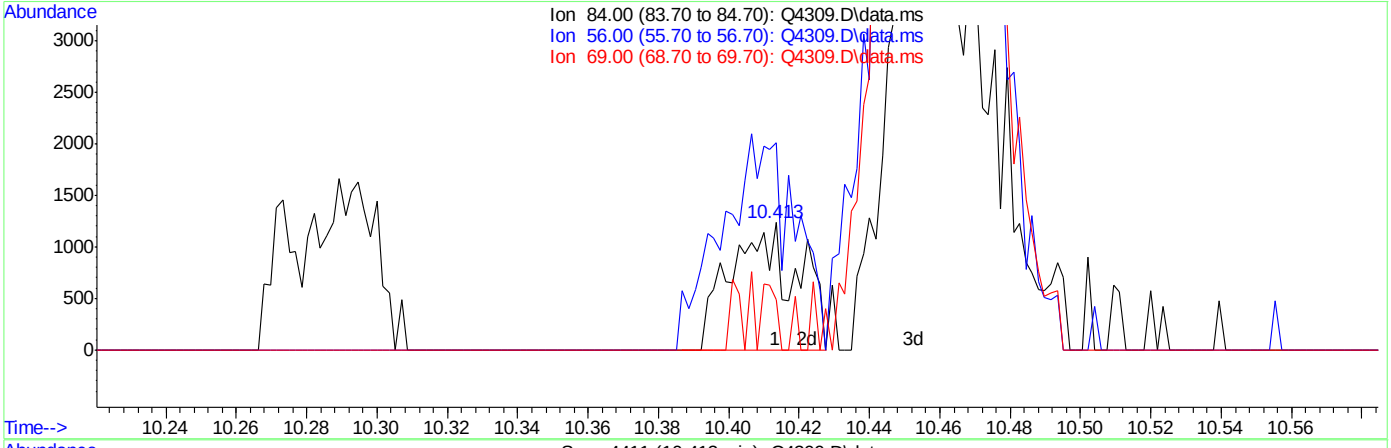
Ion	Exp%	Act%
84.00	100	100
56.00	121.50	260.10#
69.00	41.00	0.00#
0.00	0.00	0.00

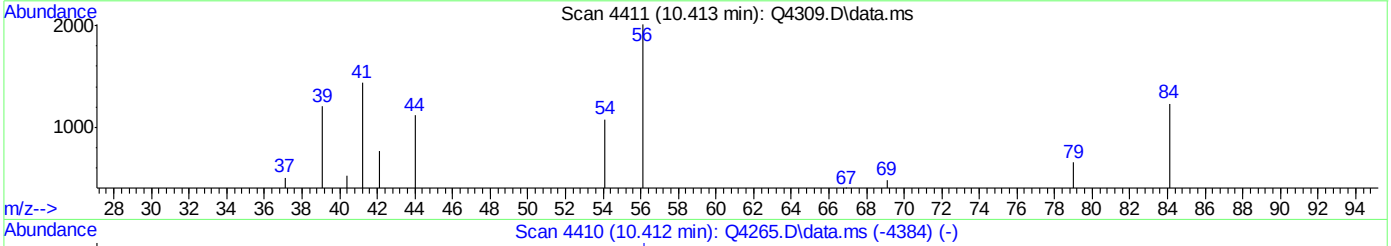
ACCUTEST Laboratories M66801

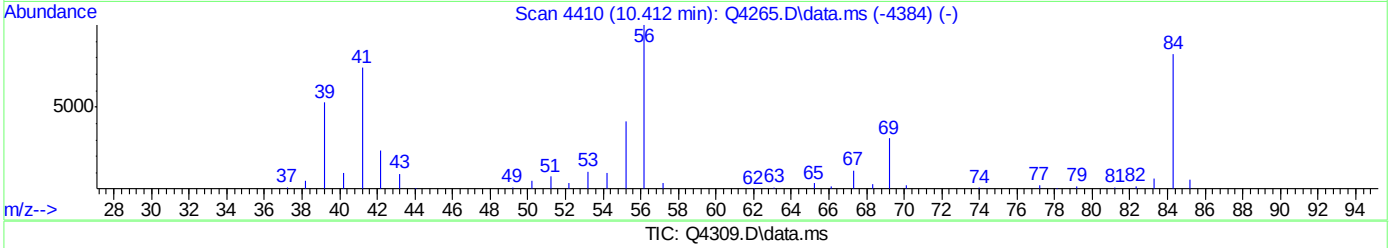
Quantitation Report (Qedit)

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

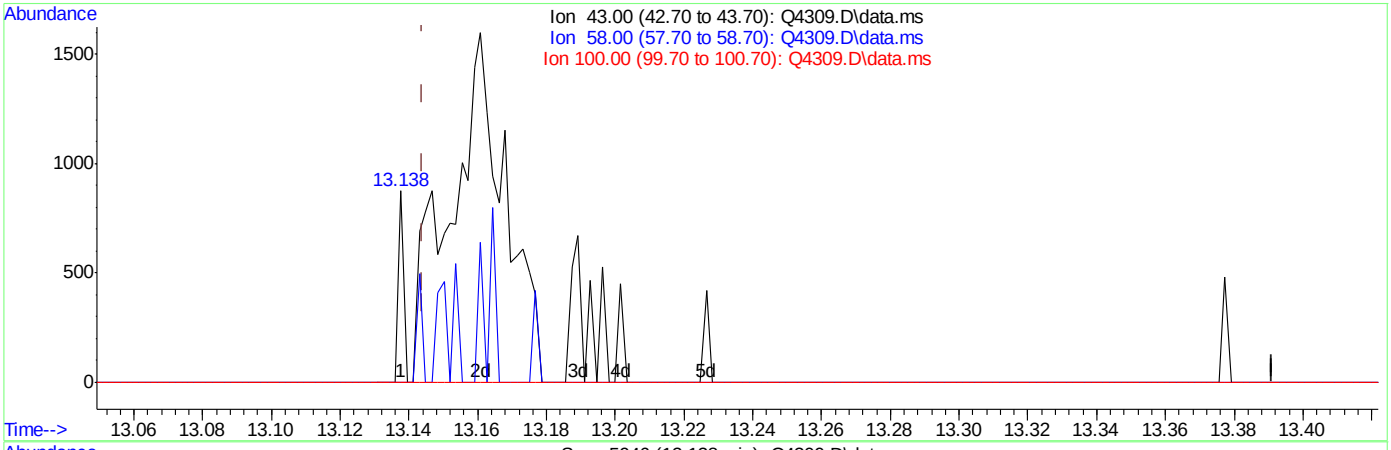
Ion	Exp%	Act%
84.00	100	100
56.00	121.50	185.24#
69.00	41.00	0.00#
0.00	0.00	0.00

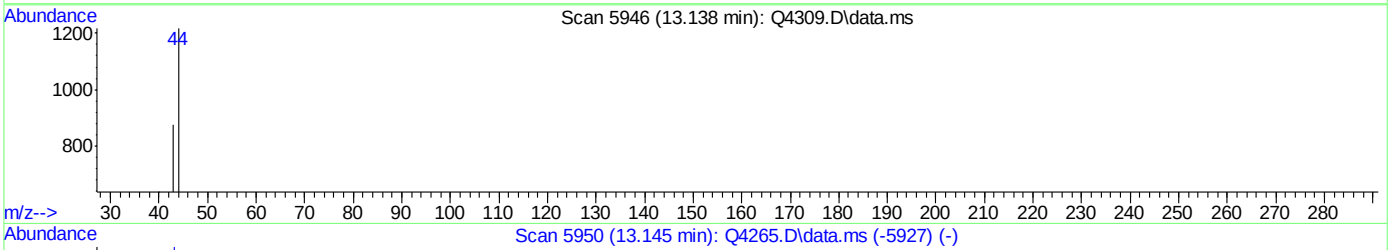
ACCUTEST Laboratories M66801

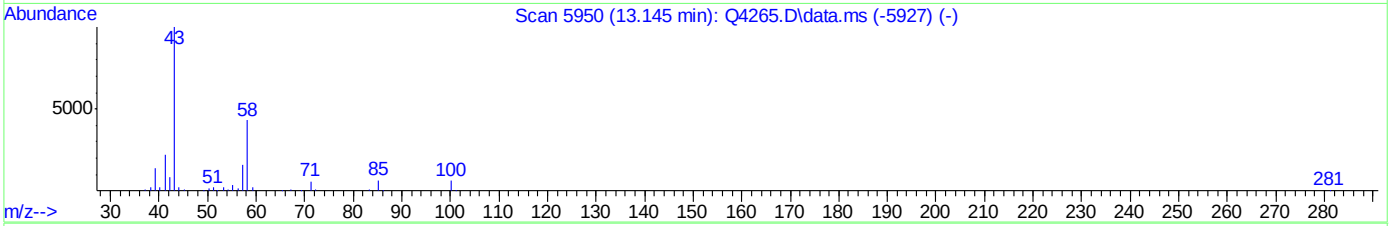
Quantitation Report (Qedit)

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

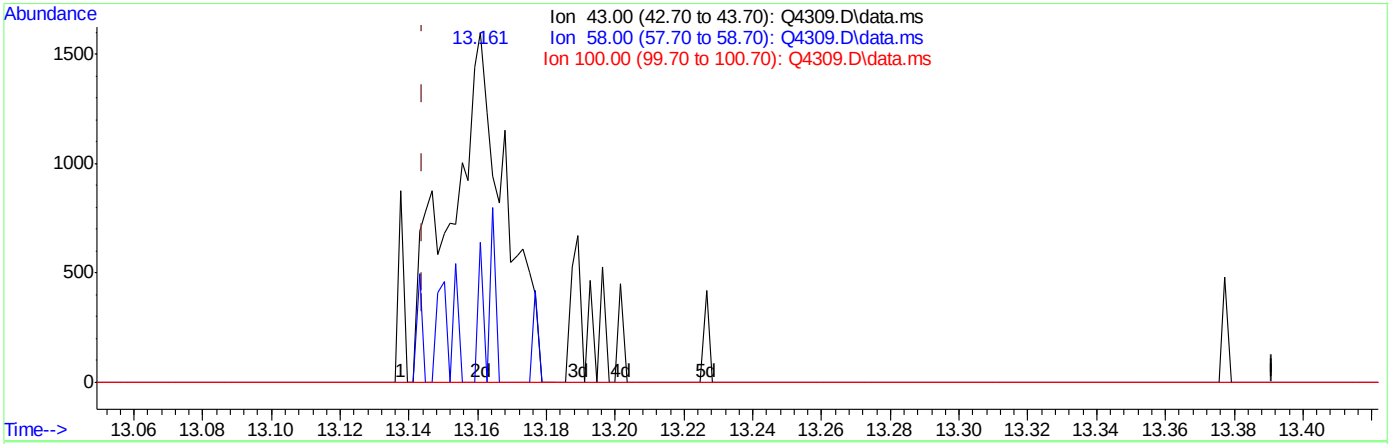
response 93

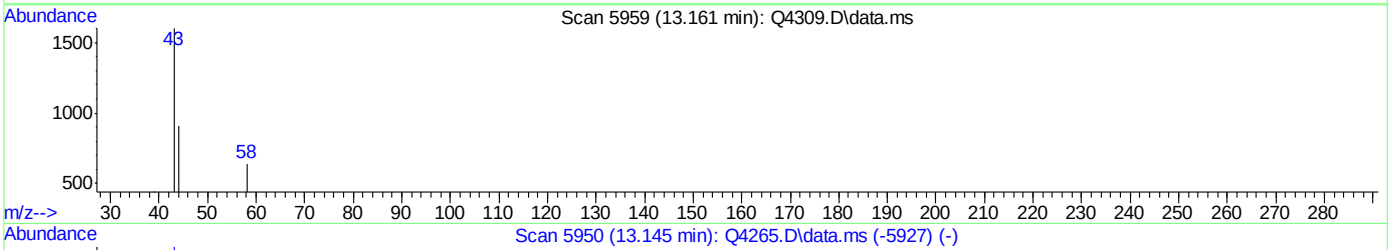
Ion	Exp%	Act%
43.00	100	100
58.00	43.10	0.00#
100.00	7.00	0.00
0.00	0.00	0.00

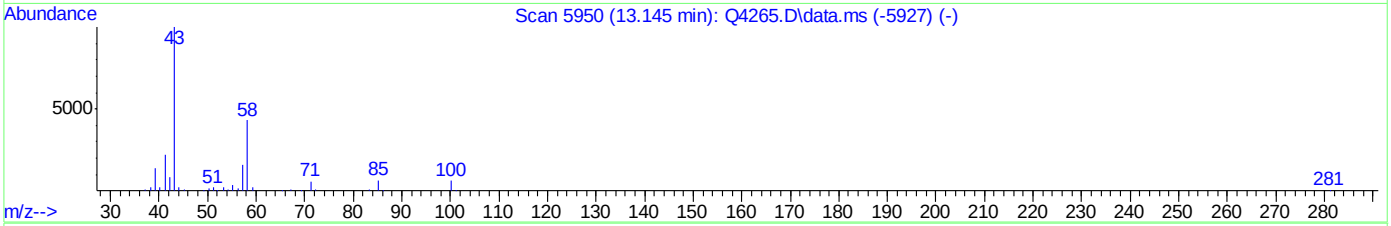
Quantitation Report (Qedit)

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

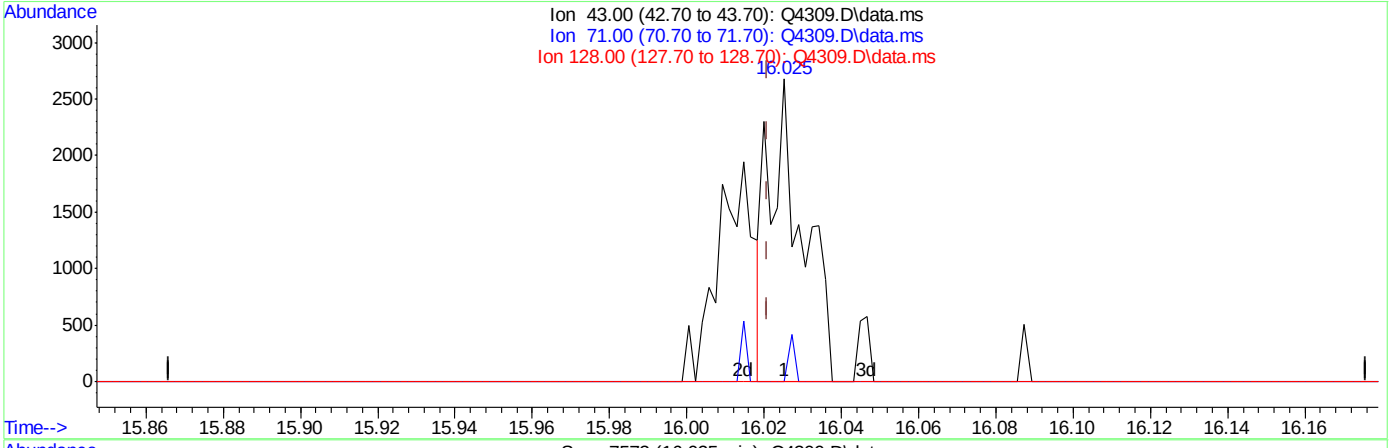
response 1791

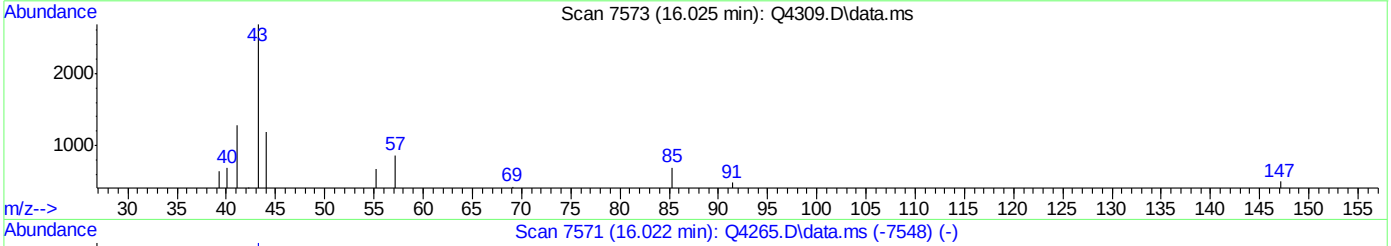
Ion	Exp%	Act%
43.00	100	100
58.00	43.10	0.00#
100.00	7.00	0.00
0.00	0.00	0.00

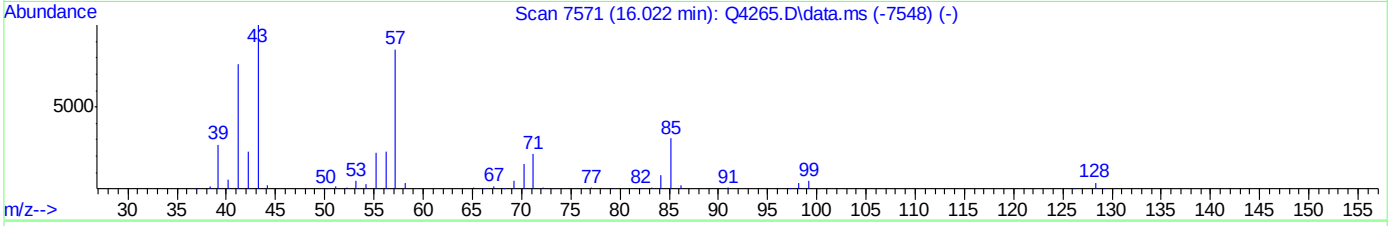
Quantitation Report (Qedit)

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

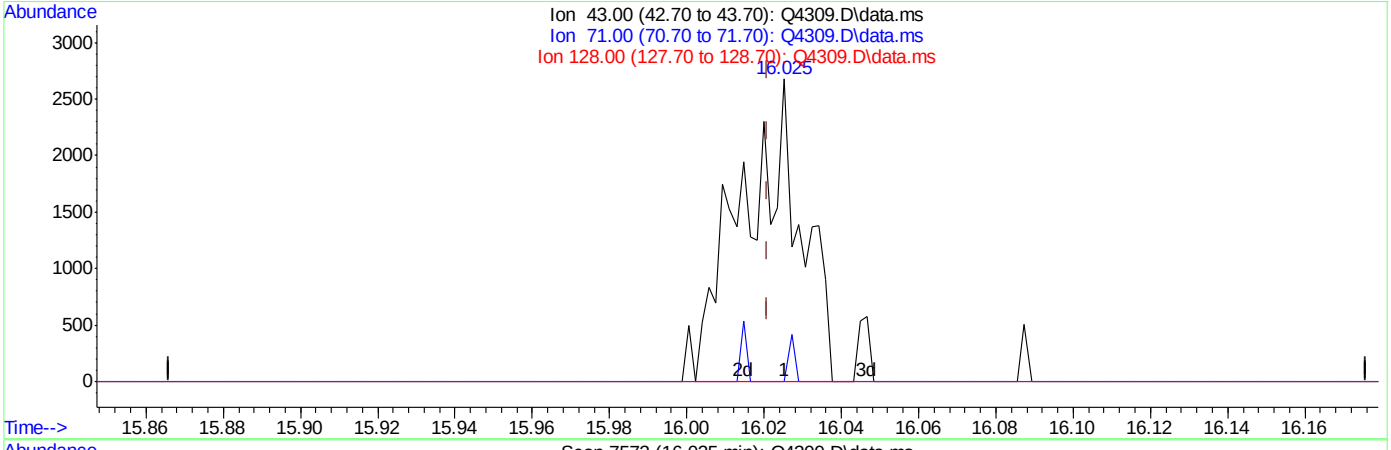
response 1614

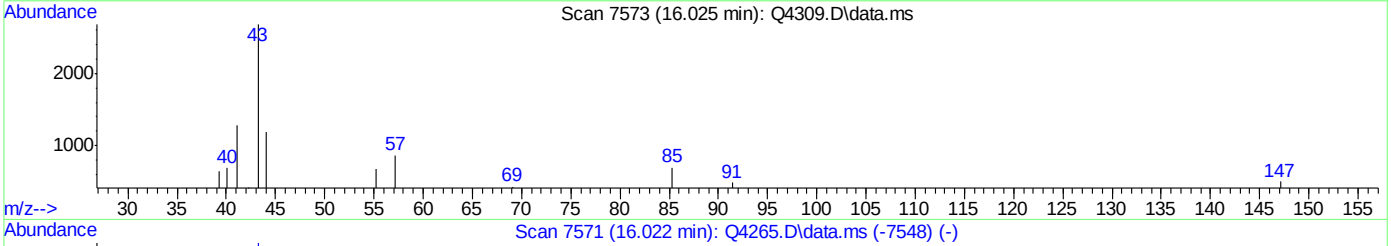
Ion	Exp%	Act%
43.00	100	100
71.00	21.20	0.00#
128.00	3.80	0.00
0.00	0.00	0.00

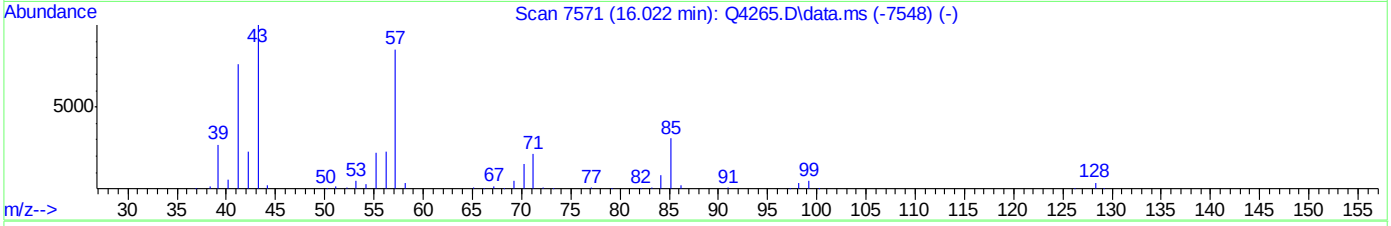
Quantitation Report (Qedit)

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

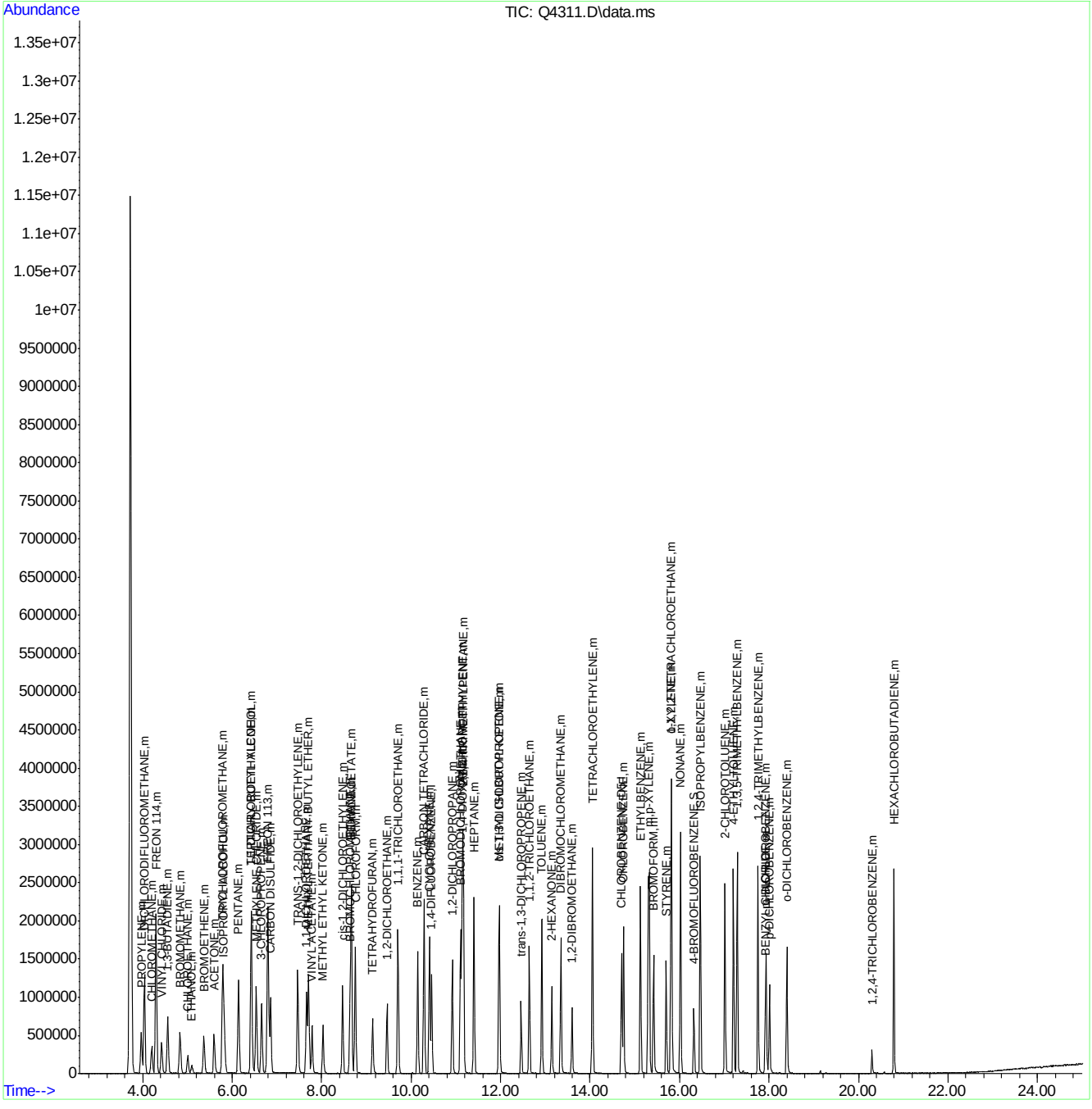
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) METHYL ISOBUTYL KETONE	11.975	43	984532	23.99	PPBV	98
45) cis-1,3-DICHLOROPROPENE	11.959	75	540533	20.81	PPBV	97
46) TOLUENE	12.921	92	701912	22.12	PPBV	100
47) trans-1,3-DICHLOROPROPENE	12.458	75	382475	16.18	PPBV	97
48) 1,1,2-TRICHLOROETHANE	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

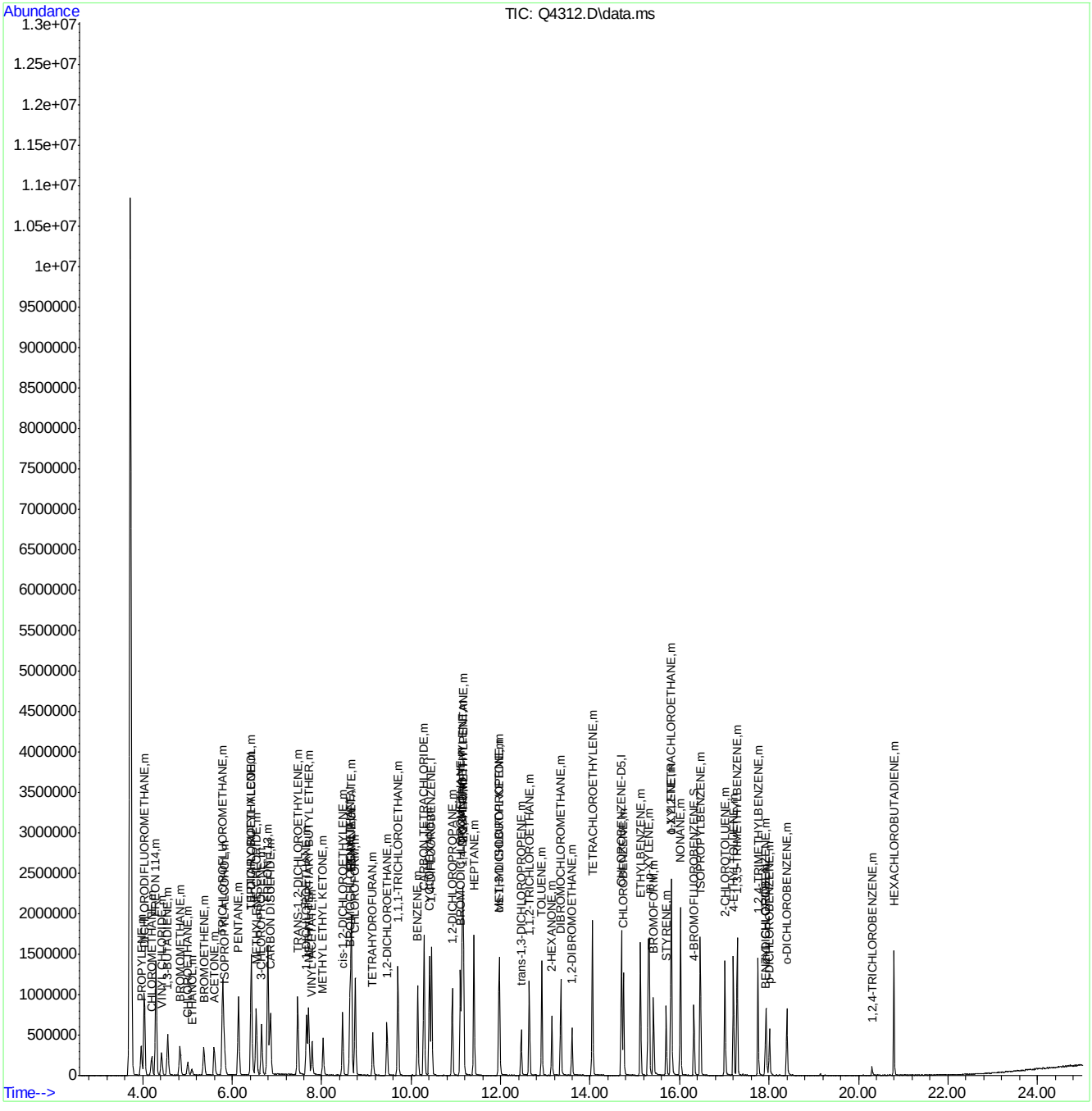
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) METHYL ISOBUTYL KETONE	11.975	43	684136	14.39	PPBV	95
45) cis-1,3-DICHLOROPROPENE	11.959	75	341968	11.36	PPBV	97
46) TOLUENE	12.920	92	447123	12.16	PPBV	97
47) trans-1,3-DICHLOROPROPENE	12.462	75	225147	8.22	PPBV	94
48) 1,1,2-TRICHLOROETHANE	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



ACCUTEST Laboratories M66801

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

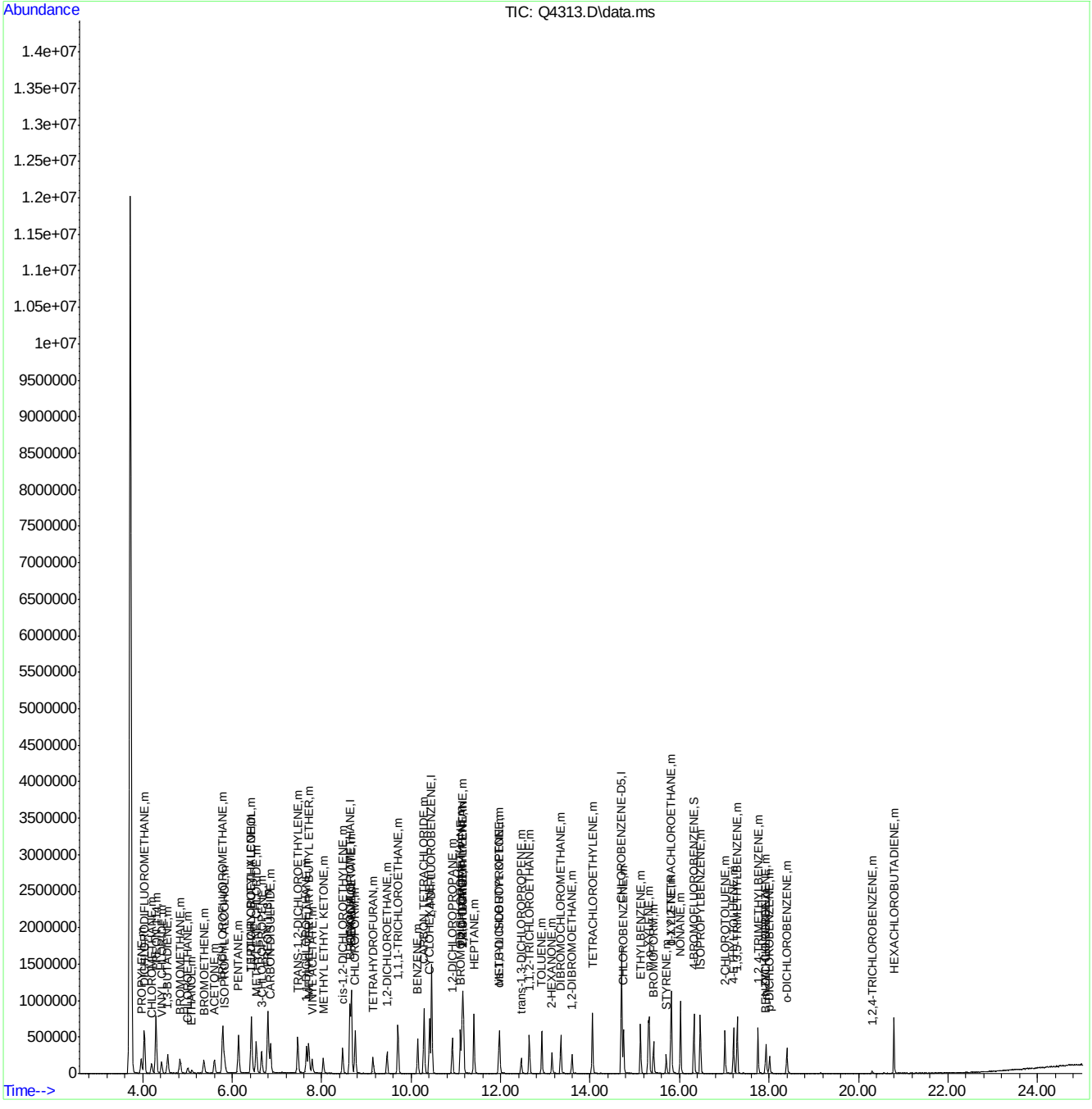
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) METHYL ISOBUTYL KETONE	11.977	43	285823	6.36	PPBV	97
45) cis-1,3-DICHLOROPROPENE	11.959	75	134939	5.45	PPBV	96
46) TOLUENE	12.920	92	178595	4.03	PPBV	97
47) trans-1,3-DICHLOROPROPENE	12.462	75	83969	4.98	PPBV	99
48) 1,1,2-TRICHLOROETHANE	12.643	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



ACCUTEST Laboratories M66801

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

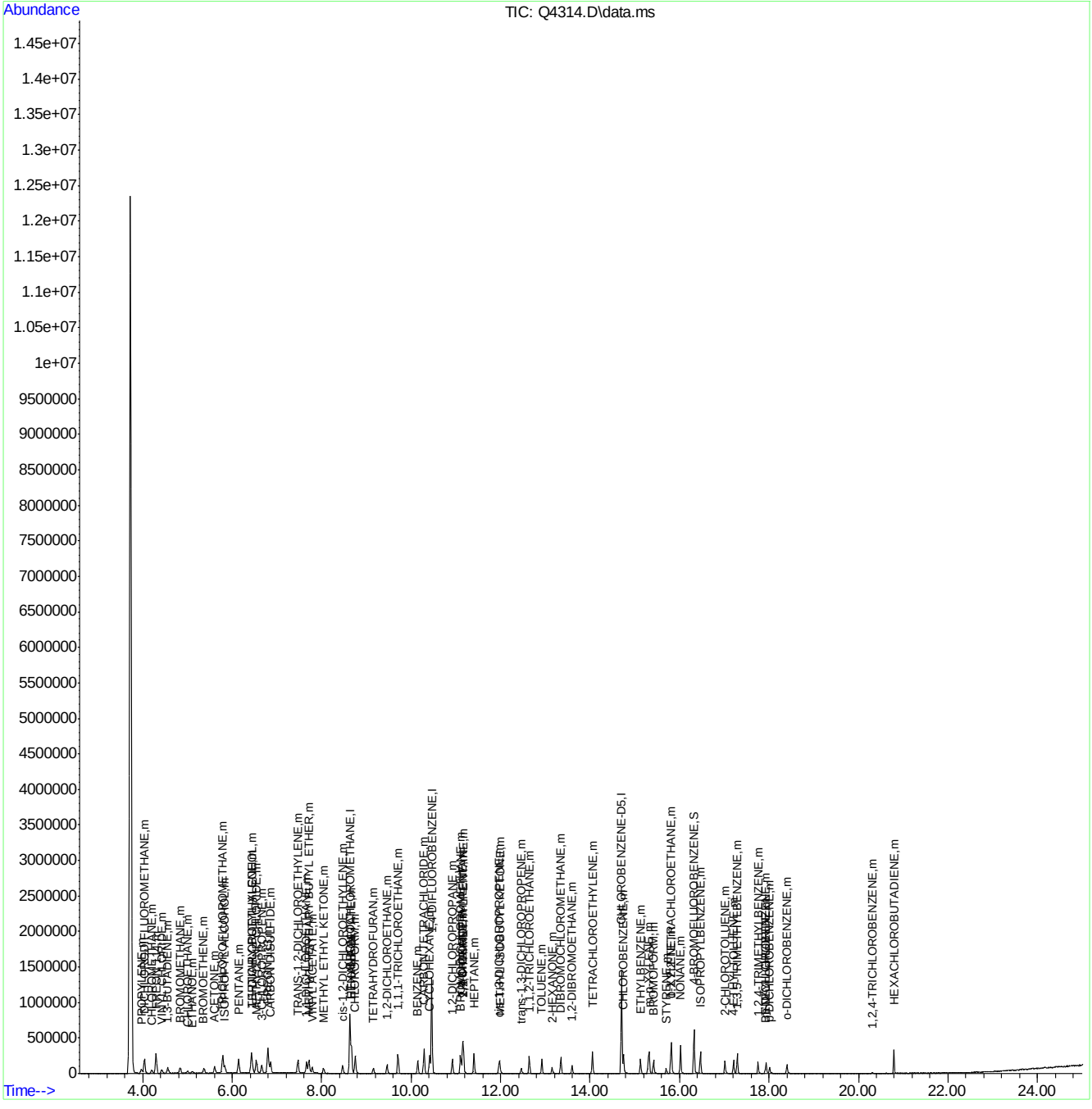
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) METHYL ISOBUTYL KETONE	11.981	43	103095	2.52	PPBV	93
45) cis-1,3-DICHLOROPROPENE	11.961	75	46141	2.11	PPBV	94
46) TOLUENE	12.925	92	61460	1.67	PPBV	92
47) trans-1,3-DICHLOROPROPENE	12.460	75	30293	2.08	PPBV	97
48) 1,1,2-TRICHLOROETHANE	12.641	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

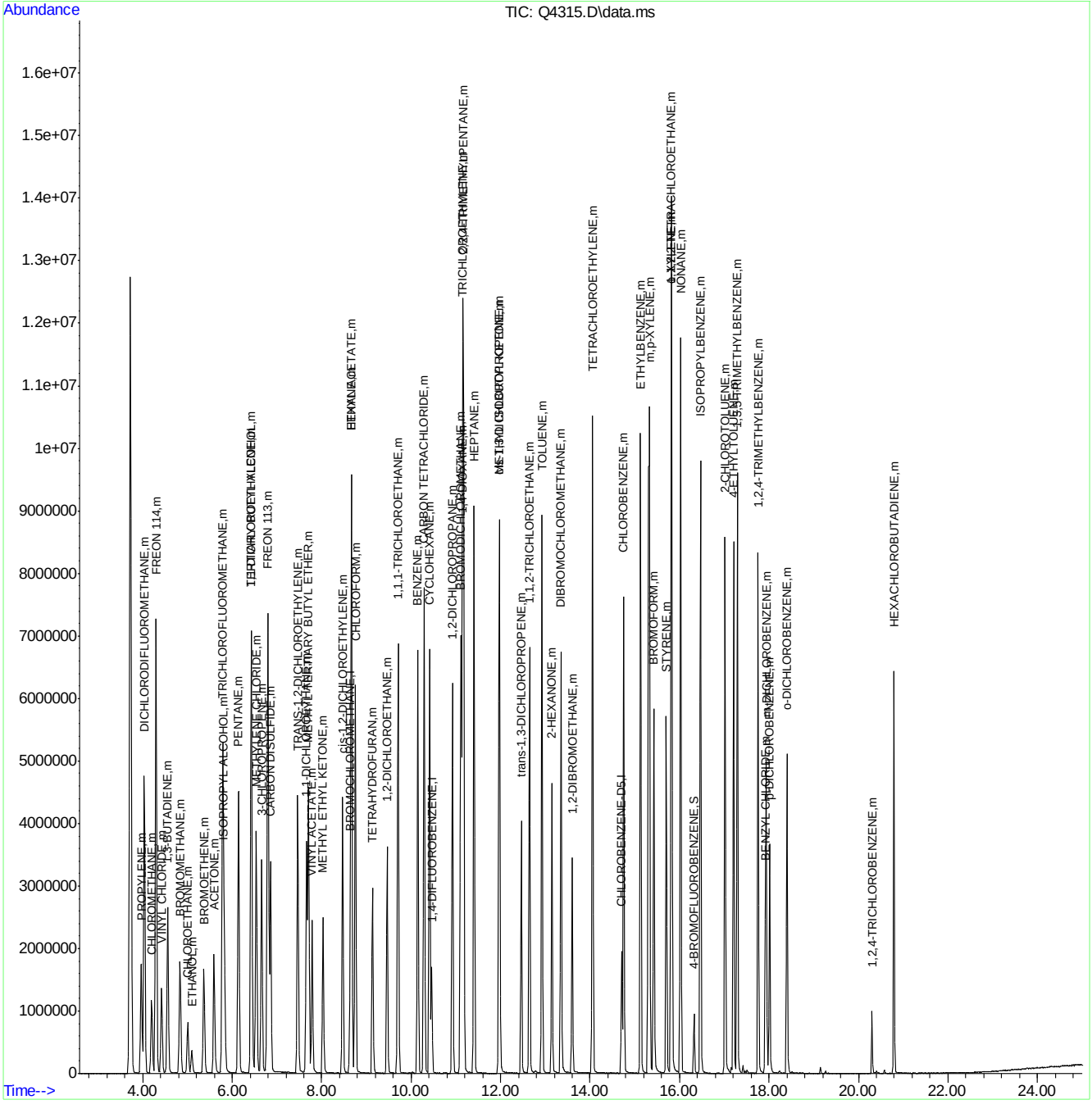
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) METHYL ISOBUTYL KETONE	11.975	43	4015707	72.00	PPBV	98
45) cis-1,3-DICHLOROPROPENE	11.961	75	2309292	80.37	PPBV	92
46) TOLUENE	12.923	92	3057942	65.35	PPBV	100
47) trans-1,3-DICHLOROPROPENE	12.460	75	1688986	88.28	PPBV	98
48) 1,1,2-TRICHLOROETHANE	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

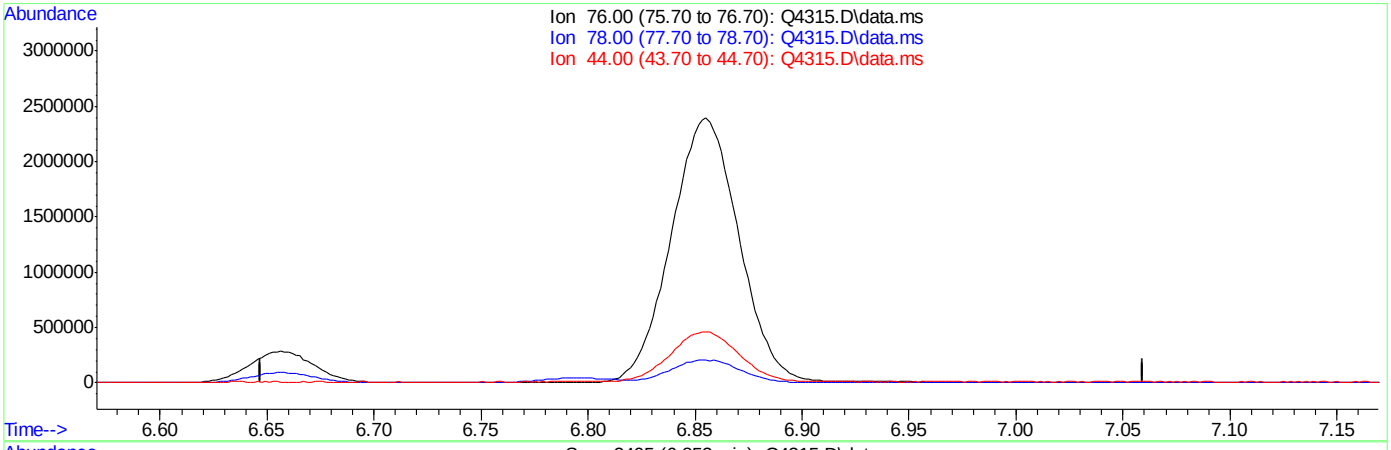


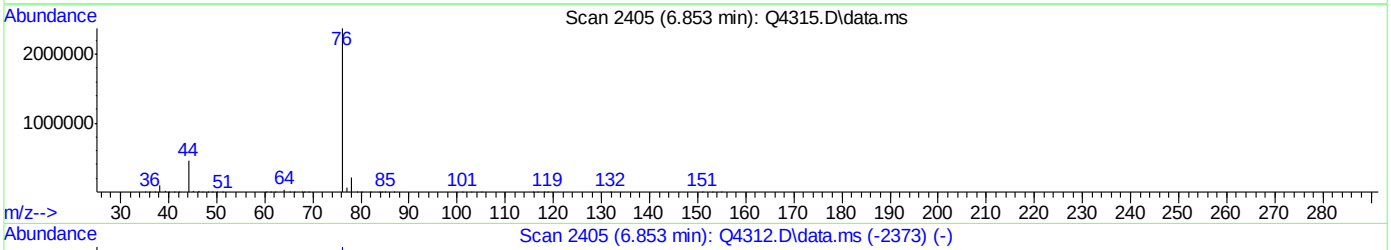
ACCUTEST Laboratories M66801

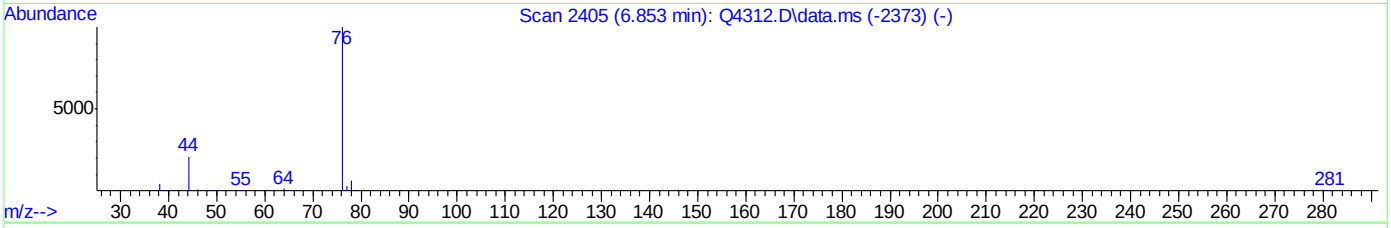
Quantitation Report (Qedit)

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

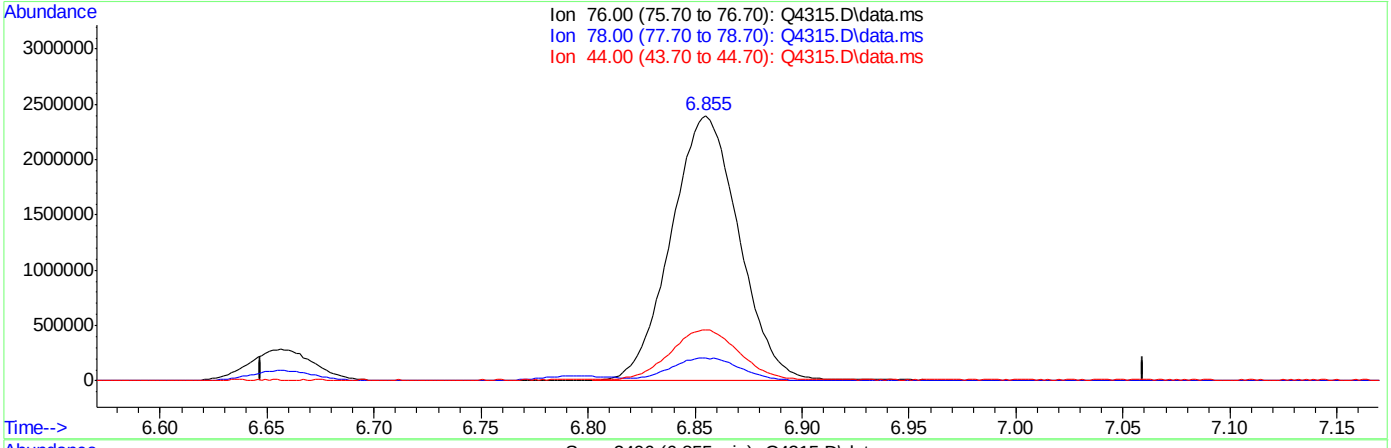
response 0

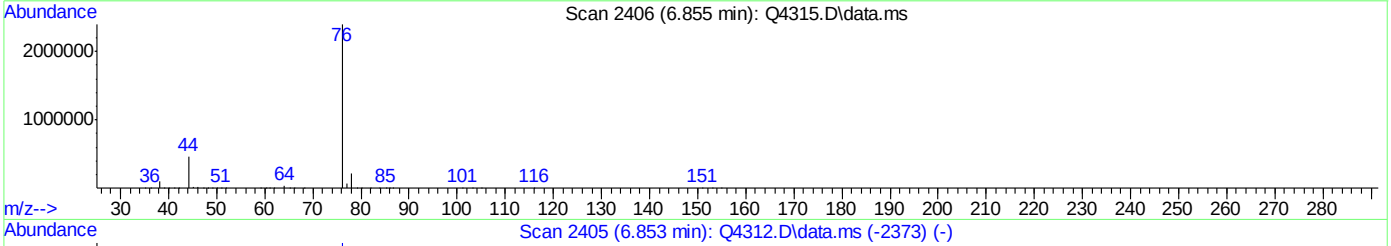
Ion	Exp%	Act%
76.00	100	0.00
78.00	8.80	0.00
44.00	20.60	0.00#
0.00	0.00	0.00

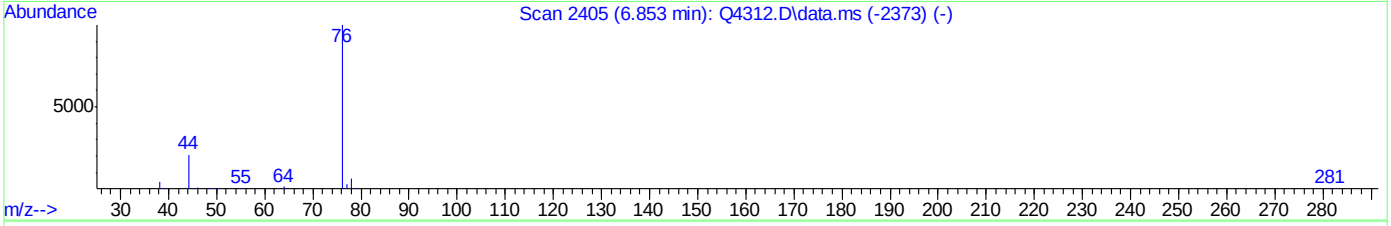
Quantitation Report (Qedit)

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

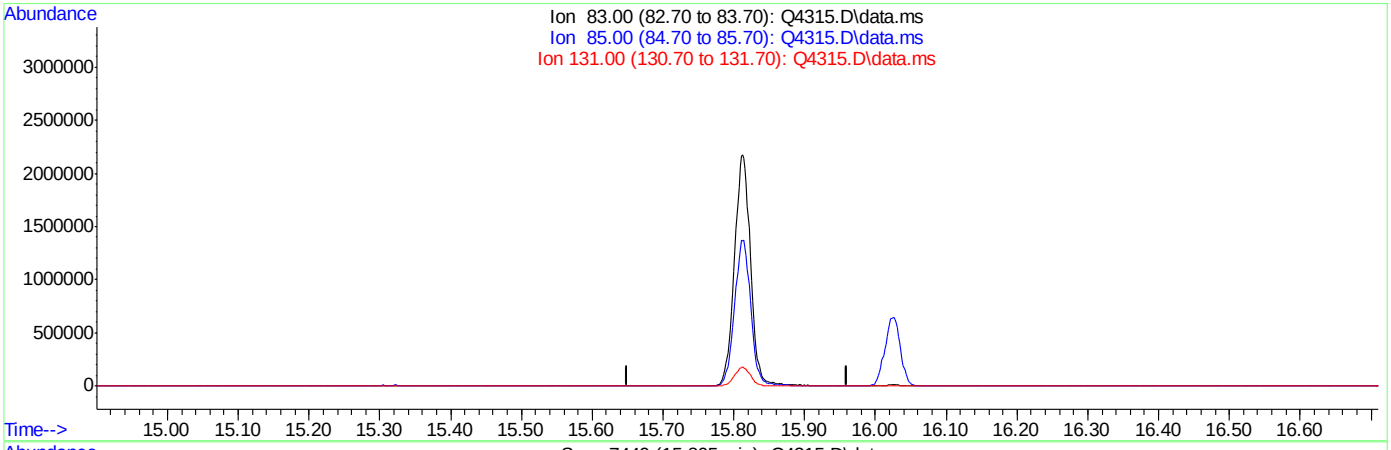
response 5295311

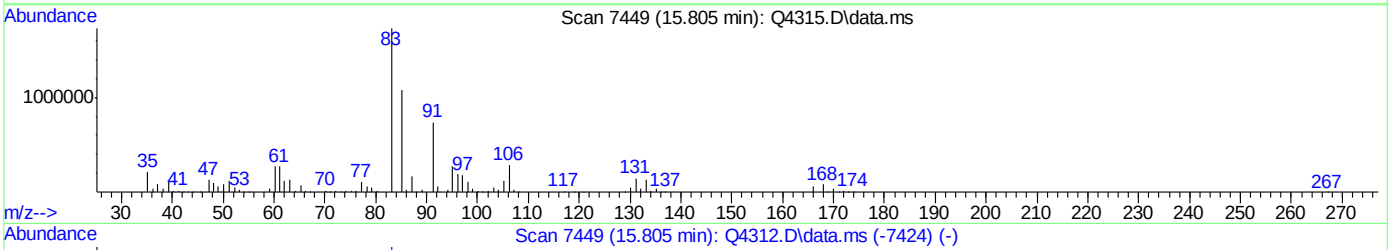
Ion	Exp%	Act%
76.00	100	100
78.00	8.80	0.00
44.00	20.60	0.00#
0.00	0.00	0.00

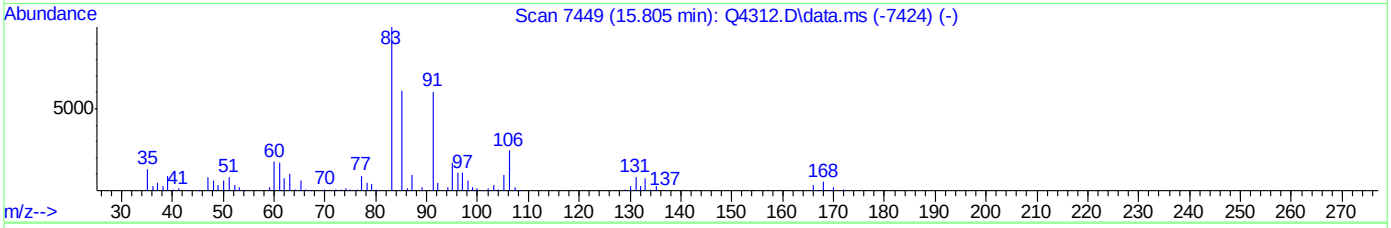
Quantitation Report (Qedit)

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

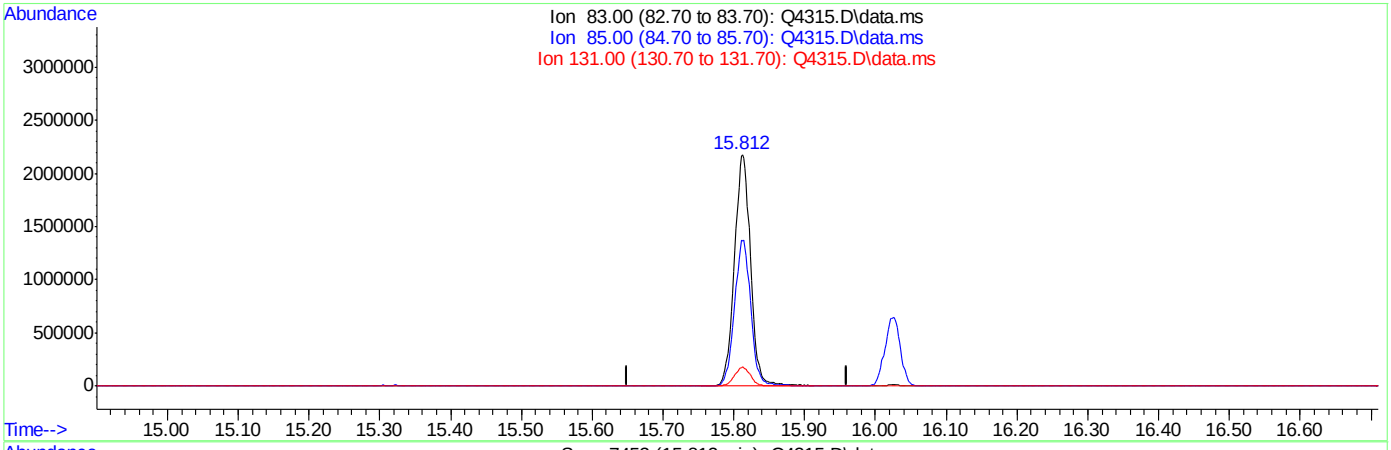
response 0

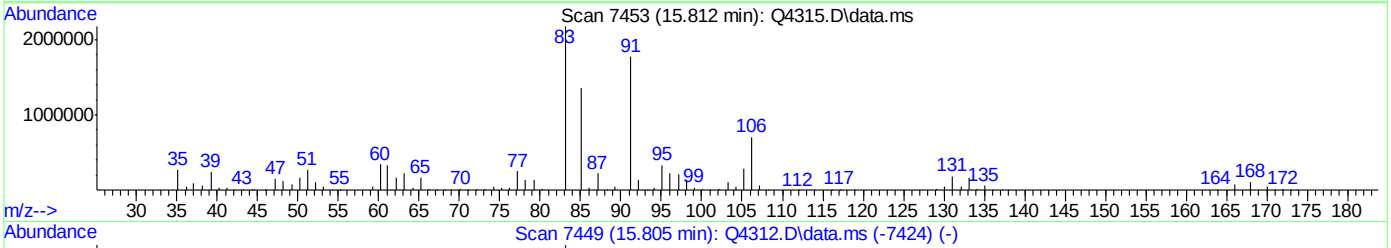
Ion	Exp%	Act%
83.00	100	0.00
85.00	62.90	0.00#
131.00	8.60	0.00
0.00	0.00	0.00

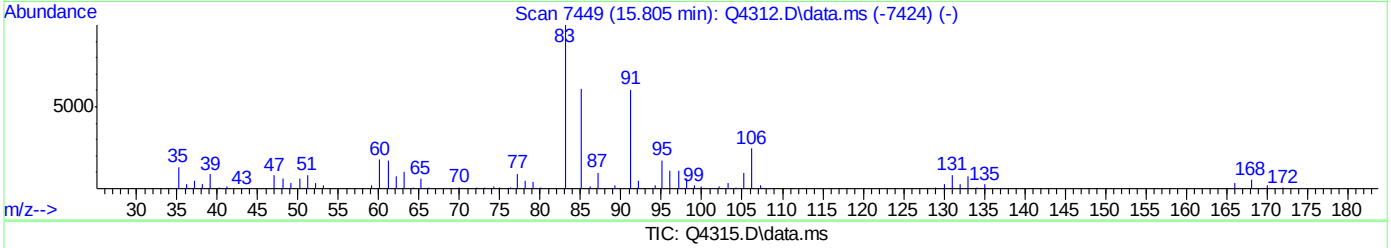
Quantitation Report (Qedit)

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

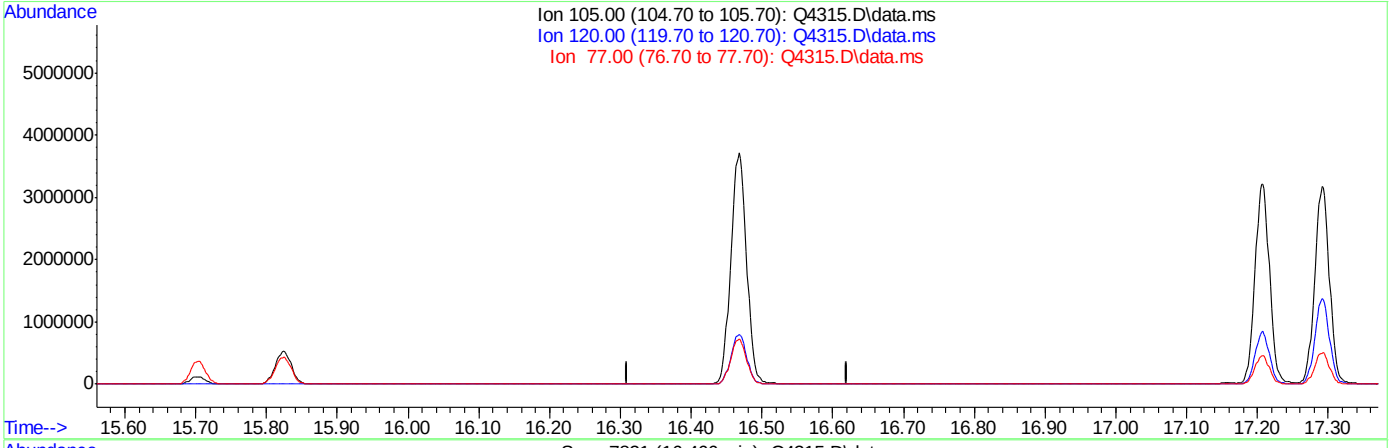
response 3475803

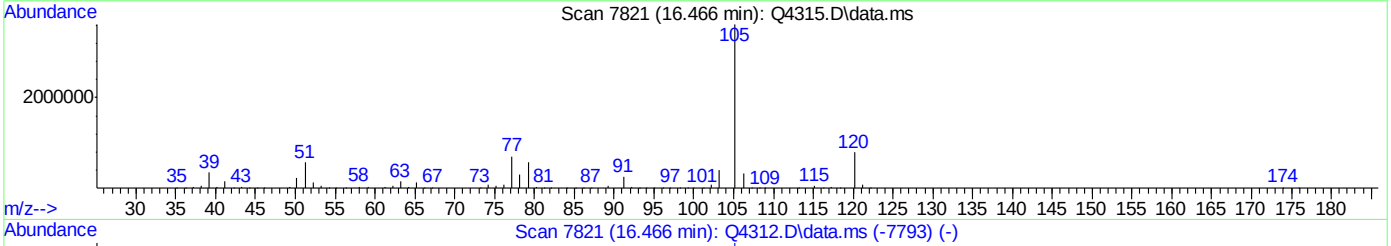
Ion	Exp%	Act%
83.00	100	100
85.00	62.90	0.00#
131.00	8.60	0.00
0.00	0.00	0.00

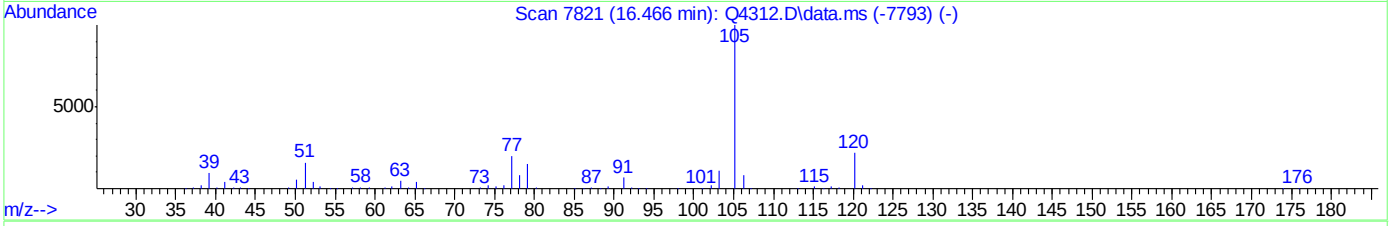
Quantitation Report (Qedit)

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







TIC: Q4315.D\data.ms

(63) ISOPROPYLBENZENE (m)

16.466min (-16.466) 0.00PPBV

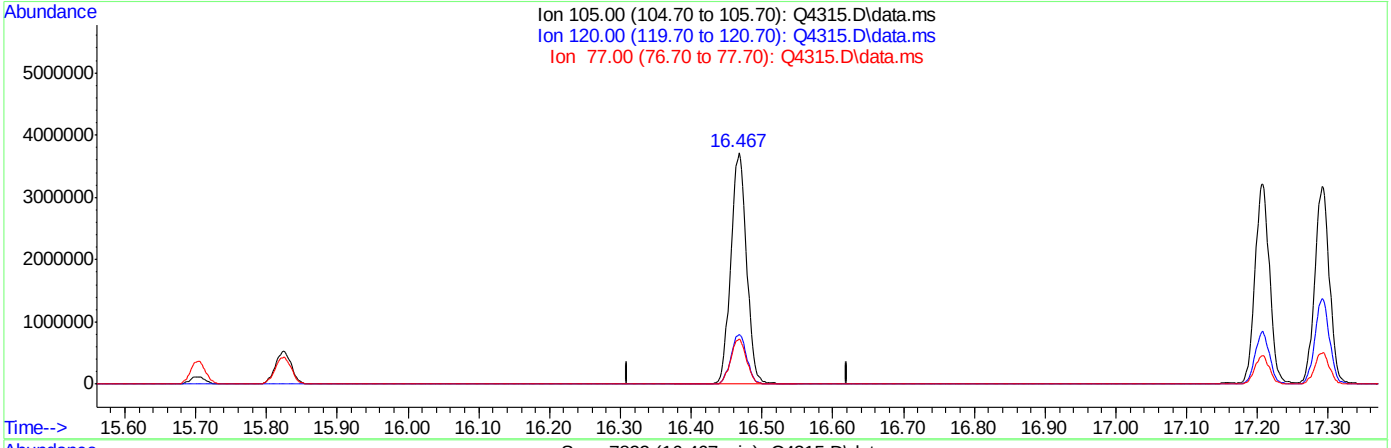
response 0

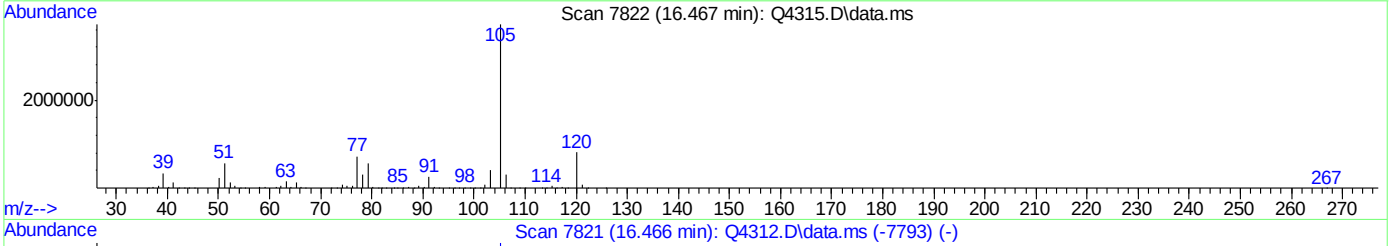
Ion	Exp%	Act%
105.00	100	0.00
120.00	22.00	0.00#
77.00	20.80	0.00#
0.00	0.00	0.00

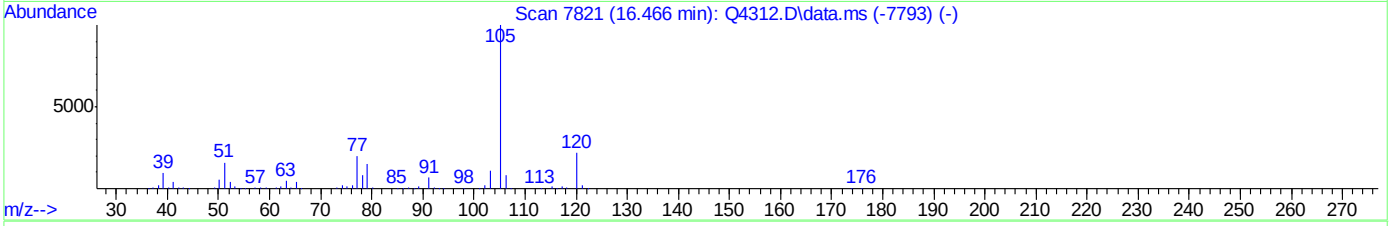
Quantitation Report (Qedit)

```
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

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

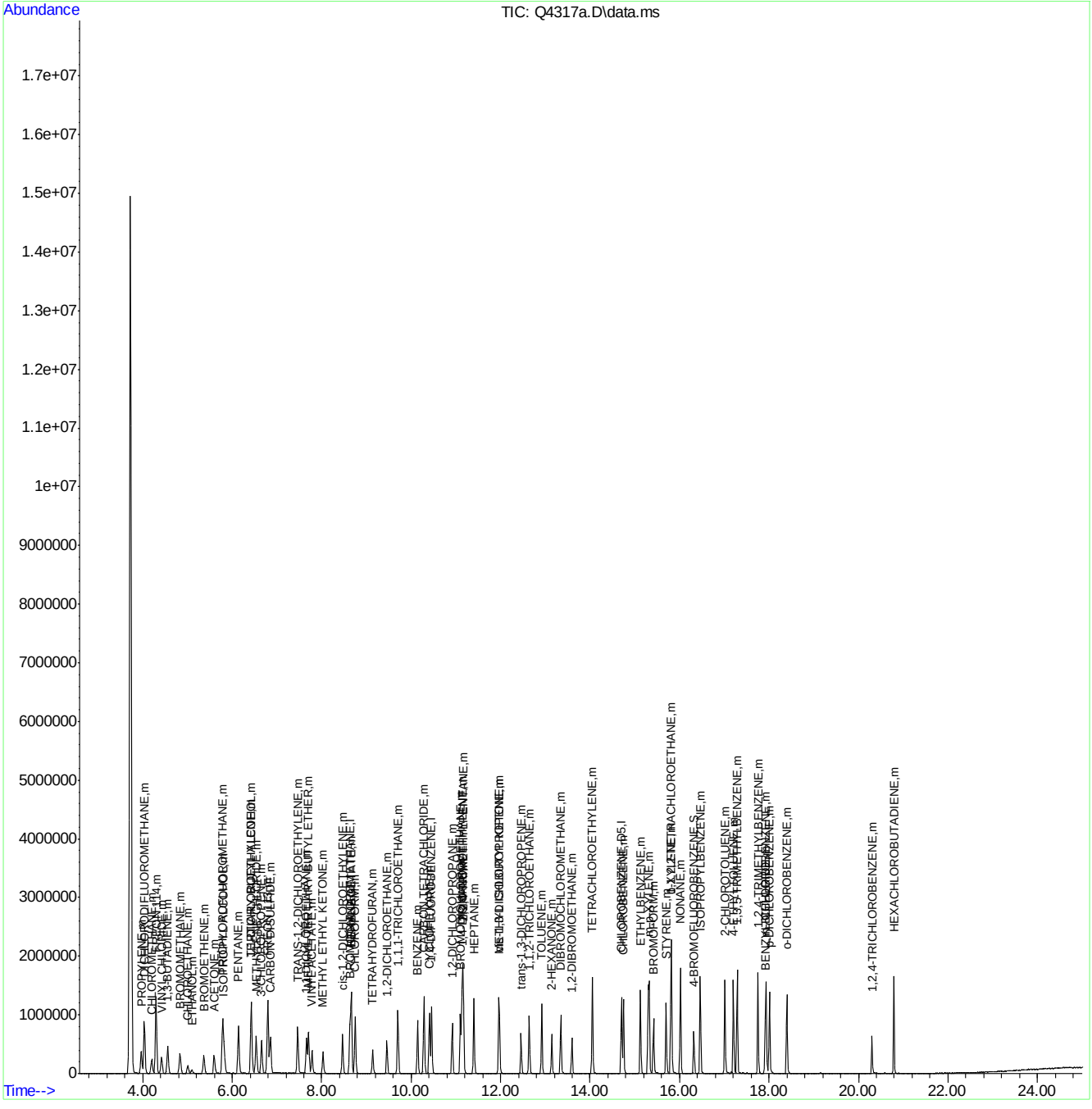
Internal Standards	R.T.	QIon	Response	Conc Units	Dev(Min)
44) METHYL ISOBUTYL KETONE	11.974	43	525653	12.85 PPBV	97
45) cis-1,3-DICHLOROPROPENE	11.958	75	355374	15.55 PPBV	91
46) TOLUENE	12.919	92	397589	11.38 PPBV	97
47) trans-1,3-DICHLOROPROPENE	12.456	75	273367	16.76 PPBV	96
48) 1,1,2-TRICHLOROETHANE	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

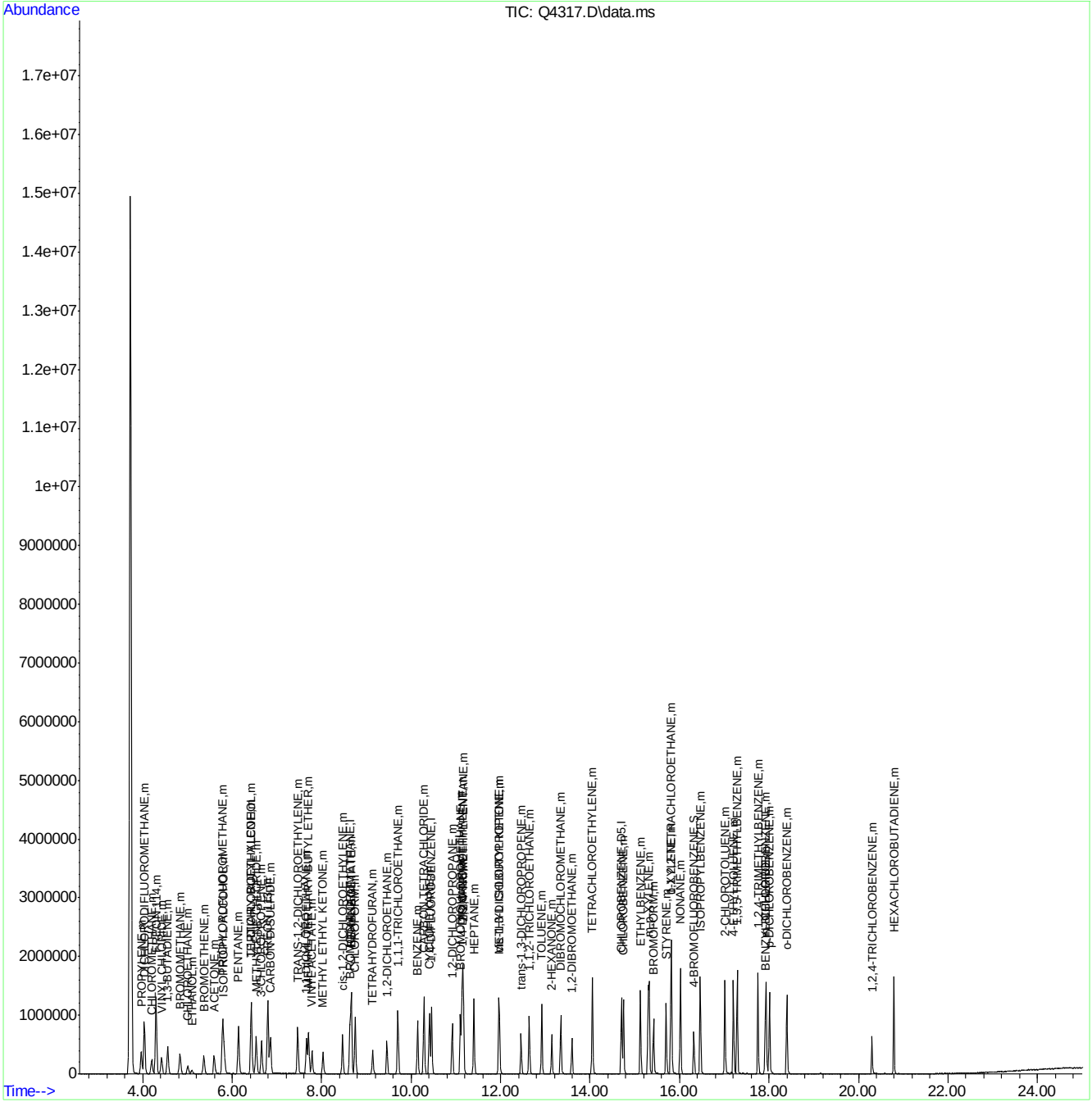
Internal Standards	R.T.	QIon	Response	Conc Units	Dev(Min)
44) METHYL ISOBUTYL KETONE	11.974	43	525653	12.85 PPBV	97
45) cis-1,3-DICHLOROPROPENE	11.958	75	355374	15.55 PPBV	91
46) TOLUENE	12.919	92	397589	11.38 PPBV	97
47) trans-1,3-DICHLOROPROPENE	12.456	75	273367	16.76 PPBV	96
48) 1,1,2-TRICHLOROETHANE	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



ACCUTEST Laboratories
M66801

Standard Lot #	
Calib STD 1	MSA371
Calib STD 2	MSA372
ICV	MSA366
Inter/Surr STD	MSA218
BS/BSD	MSA366

File ID	
Tune File 1	J10860
Tune File 2	J10868A
Initial Cal.	7/5/07
ID FILE	J070507T.M
Instrument ID	J
ICAL:	J10868
Column Type:	RTX-1
Sequence Verified By:	DT 7/6/07

Date:	7/5/2007
Analyst:	DANAT
Batch ID:	msj562
Matrix:	AIR
Approved By:	DOUGY
Date Approved:	7/11/2007 9:46:28 AM

Data File	Sample ID	Bot #	Work Group #	Test	ALS #	Sample Vol (mls)	Diln Factor	Flow controller ID	Comment
J10860	IC562-0.5	m210	MSA372	VTO15	1		1		
J10861	IC562-0.2	m210	MSA372	VTO15	1		1		
J10862	IC562-2	m210	MSA372	VTO15	2		1		Re-run , hexachlorbutadiene fails high.
J10863	IC562-40	m211	MSA371	VTO15	2		1		
J10864	IC562-20	m211	MSA371	VTO15	2		1		
J10865	ICC562-10	m211	MSA371	VTO15	2		1		
J10866	IC562-5	m211	MSA371	VTO15	2		1		
J10867	IC562-2	m211	MSA371	VTO15	2		1		
J10868	ICV562-10	m080	MSA366	VTO15	3		1		
J10868a	CC562-10	m080	MSA366	VTO15	3		1		
J10868b	BS	m080	M3A366	VTO15	3		1		
J10869	BLANK	m208		VTO15	4		1		
J10870	MB	m208		VTO15	4		1		
J10871	SCC	m217		VTO15	5		1		
J10872	SCC	m218		VTO15	6		1		
J10873	SCC	m018		VTO15	7		1		
J10874	SCC	m125		VTO15	8		1		
J10875	SCC	m041		VTO15	9		1		
J10876	SCC	m048		VTO15	10		1		
J10877	SCC	m219		VTO15	11		1		
J10878	SCC	m039		VTO15	12		1		
J10879	SCC	m095		VTO15	13		1		
J10880	SCC	m031		VTO15	14		1		
J10881	SCC	m222		VTO15	15		1		
J10882	SCC	m147		VTO15	16		1		
J10883	SCC	m220		VTO15	1		1		
J10884	SCC	m145		VTO15	2		1		Re-run , possible carryover from previous can on postion 2.
J10885	SCC	m158		VTO15	3		1		
J10886	SCC	m145		VTO15	2		1		
J10887	SCC	m202		VTO15	1		1		
J10888	M65994-1	m025	MS13894	VTO15STD	4		20		Re-run @ 5x , too dilute.
J10889	M65994-2	m124	MS13894	VTO15STD	5		20		Re-run @ 1x , too dilute.
J10890	M65994-1	m025	MS13894	VTO15STD	4		5		Over calibration , combine with previous run.

J10891	M65994-2	m124	MS13894	VTO15STD	5		1			
J10892	M65994-1DUP	m025	MS13894	VTO15STD	4		5			

Standard Lot #	
Calib STD 1	MSA371
Calib STD 2	MSA372
ICV	MSA375
Inter/Surr STD	MSA218
BS/BSD	MSA375

File ID	
Tune File 1	Q3977
Tune File 2	Q3984
Initial Cal.	7/16/07
ID FILE	Q071607T.M
Instrument ID	Q
ICAL:	Q3984
Column Type:	RTX-1
Sequence Verified By:	DT 7/17/07

Date:	7/16/2007
Analyst:	DANAT
Batch ID:	MSQ214
Matrix:	AIR
Approved By:	PHILIPB
Date Approved:	7/19/2007 9:55:34 AM

Data File	Sample ID	Bot #	Work Group #	Test	ALS #	Sample Vol (mls)	Diln Factor	Flow controller ID	Comment
Q3977	IC214-40	M211	MSA371	VTO15STD	2		1		
Q3978	IC214-20	M211	MSA371	VTO15STD	2		1		
Q3979	ICC214-10	M211	MSA371	VTO15STD	2		1		
Q3980	IC214-5	M211	MSA371	VTO15STD	2		1		
Q3981	IC214-2	M211	MSA371	VTO15STD	2		1		
Q3982	IC214-0.5	M210	MSA372	VTO15STD	1		1		
Q3983	IC214-0.2	M210	MSA372	VTO15STD	1		1		
Q3984	ICV214-10	M209	MSA375	VTO15STD	3		1		
Q3984A	CC214-10	M209	MSA375	VTO15STD	3		1		
Q3984B	BS	M209	MSA375	VTO15STD	3		1		
Q3985	BLANK	M063	NA	VTO15STD	4		1		
Q3986	MB	M063	NA	VTO15STD	4		1		
Q3986A	SCC	M063	NA	VTO15STD	4		1		
Q3987	FCB093	M195	NA	VTO15STD	5		1		
Q3988	FCB094	M175	NA	VTO15STD	6		1		
Q3989	FCB095	M205	NA	VTO15STD	7		1		
Q3990	SCC	M076	NA	VTO15STD	8		1		
Q3991	SCC	M081	NA	VTO15STD	9		1		
Q3992	SCC	M004	NA	VTO15STD	10		1		
Q3993	SCC	M088	NA	VTO15STD	11		1		
Q3994	SCC	M134	NA	VTO15STD	12		1		
Q3995	SCC	M053	NA	VTO15STD	13		1		
Q3996	SCC	M049	NA	VTO15STD	14		1		
Q3997	M66000-1R	M161	MS13951	VTO15STD	15		1		
Q3998	M66000-1RDUP	M161	MS13951	VTO15STD	15		1		
Q3999	M66190-6	M116	MS13951	VTO15STD	16		1		Re-run @ 20x , over calibration.
Q4000	M66190-7	M172	MS13951	VTO15STD	4		1		Re-run @ 5x , matrix interference. Do not report.
Q4001	M66190-8	M160	MS13951	VTO15STD	5		1		Re-run @ 20x , over calibration.

Standard Lot #	
Calib STD 1	MSA385
Calib STD 2	MSA386
ICV	MSA384
Inter/Surr STD	MSA218
BS/BSD	MSA384

File ID	
Tune File 1	Q4200
Tune File 2	Q4209A
Initial Cal.	8/7/07
ID FILE	Q080707T.M
Instrument ID	Q
ICAL:	Q4209
Column Type:	RTX-1
Sequence Verified By:	DT 8/9/07

Date:	8/7/2007
Analyst:	DANAT
Batch ID:	msq223
Matrix:	AIR
Approved By:	PHILIPB
Date Approved:	8/9/2007 4:03:20 PM

Data File	Sample ID	Bot #	Work Group #	Test	ALS #	Sample Vol (mls)	Diln Factor	Flow controller ID	Comment
Q4200	IC223-0.5	m065	MSA386	VTO15STD	3		1		
Q4201	IC223-0.2	m065	MSA386	VTO15STD	3		1		
Q4202	IC223-40	m090	MSA385	VTO15STD	4		1		
Q4203	IC223-20	m090	MSA385	VTO15STD	4		1		
Q4204	ICC223-10	m090	MSA385	VTO15STD	4		1		
Q4205	IC223-5	m090	MSA385	VTO15STD	4		1		
Q4206	IC223-2	m090	MSA385	VTO15STD	4		1		
Q4207	ICV223-10	m164	MSA384	VTO15STD	1		1		Internal std responses too high, lower em volts and re-run.
Q4208	ICV223-10	m164	MSA384	VTO15STD	1		1		Internal std responses still too high , lower em volts again and re-run.
Q4209	ICV223-10	m164	MSA384	VTO15STD	1		1		ok
Q4209a	CC223-10	m164	MSA384	VTO15STD	1		1		
Q4209b	BS	m164	MSA384	VTO15STD	1		1		
Q4210	MB	m103		VTO15STD	2		1		
Q4211	M66579-1	m088	MS14030	VTO15STD	5		1		
Q4212	M66579-1DUP	m088	MS14030	VTO15STD	5		1		
Q4213	M66635-2	m117	MS14034	VTO15STD	6		1		Re-run @ 20x , over calibration.
Q4214	M66668-2	m006	MS14080	VTO15STD	7		1		Re-run @ 20x , over calibration.
Q4215	M66668-3	m020	MS14080	VTO15STD	8		1		Re-run @ 20x , over calibration.
Q4216	SCC	m078	NA	VTO15STD	2		1		Contamination present , re-clean batch.
Q4217	M66668-5	m003	MS14080	VTO15STD	9		1		Re-run @ 20x , over calibration.
Q4218	M66668-6	m079	MS14080	VTO15STD	10		1		Re-run @ 20x , over calibration.
Q4219	M66668-7	m025	MS14080	VTO15STD	11		1		Re-run @ 20x , over calibration.
Q4220	M66668-1	m124	MS14080	VTO15STD	12		20		Re-run @ 100x , over calibration.
Q4221	M66668-4	m130	MS14080	VTO15STD	13		20		Re-run @ 5,000x , over calibration.
Q4222	M66676-1	m040	MS14080	VTO15STD	14		1		Do not report, possible carry over
Q4223	M66676-2	m068	MS14080	VTO15STD	15		1		Do not report, possible carry over
Q4224	M66676-3	m149	MS14080	VTO15STD	16		1		Do not report, possible carry over
Q4225	M66668-2	m006	MS14080	VTO15STD	7		20		Re-run @ 100x , over calibration.
Q4226	M66668-3	m020	MS14080	VTO15STD	8		20		Re-run @ 100x , over calibration.

Standard Lot #	
Calib STD 1	MSA385
Calib STD 2	MSA386
ICV	MSA384
Inter/Surr STD	MSA218
BS/BSD	MSA384

File ID	
Tune File 1	Q4234.D
Tune File 2	NA
Initial Cal.	8-7-07
ID FILE	Q080707T.M
Instrument ID	Q
ICAL:	Q4209.D
Column Type:	RTX-1
Sequence Verified By:	PB 8-10-07

Date:	8/9/2007
Analyst:	DANAT
Batch ID:	MSQ225
Matrix:	AIR
Approved By:	DOUGY
Date Approved:	8/15/2007 11:52:22 AM

Data File	Sample ID	Bot #	Work Group #	Test	ALS #	Sample Vol (mls)	Diln Factor	Flow controller ID	Comment
Q4234	CC4234	M164	MSA384	VTO15STD	1		1	NA	O.K.; BFB
Q4234A	BS	M164	MSA384	VTO15STD	1		1	NA	O.K.
Q4252	BLK	M078	NA	VTO15STD	2		1	NA	O.K.
Q4236	MB	M078	MS14080	VTO15STD	2		1	NA	O.K.
Q4236A	SCC	M078	CP356	VTO15STD	2		1	NA	O.K.
Q4237	M66661-1	M055	MS14080	VTO15STD	5		1	MC079	O.K.
Q4238	M66661-2	M218	MS14080	VTO15STD	6		1	MC061	ISTD high, confirmed by duplicate
Q4239	M66661-2DUP	M218	MS14080	VTO15STD	6		1	MC061	ISTD high; confirmed by sample
Q4240	M66661-3	M050	MS14080	VTO15STD	7		1	MC030	ISTD high; confirms Q4251.D
Q4241	M66661-4	M217	MS14080	VTO15STD	8		1	MC028	ISTD high; re-run
Q4242	M66661-5	M018	MS14080	VTO15STD	9		1	MC114	ISTD high; re-run
Q4243	M66661-6	M219	MS14080	VTO15STD	10		1	MC008	ISTD high; re-run
Q4244	M66801-1	M220	MS14080	VTO15STD	11		1	MC014	ISTD high; re-run
Q4245	M66801-2	M004	MS14080	VTO15STD	12		1	MC060	O.K.
Q4246	M66668-6	M079	MS14080	VTO15STD	13		20	NA	Report with Q4218.D
Q4247	M66668-5	M003	MS14080	VTO15STD	14		20	NA	Report with Q4217.D
Q4248	M66668-7	M025	MS14080	VTO15STD	15		20	NA	Report with Q4219.D
Q4249	M66668-1	M124	MS14080	VTO15STD	16		1	NA	Re-run 20X
Q4250	M66668-1	M124	MS14080	VTO15STD	16		20	NA	Re-run 40X
Q4251	M66661-3	M050	MS14080	VTO15STD	7		1	MC030	ISTD high; confirmed by Q4240.D

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		