New England ACCUTEST Laboratories

IT'S ALL IN THE CHEMISTRY

08/15/07

Technical Report for

GEI Consultants, Inc.

GEI Tufts Street Somerville MA

045162

Accutest Job Number: M66579

Sampling Date: 07/24/07

Report to:

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

ATTN: Raymond Siegener, Ph.D.

Total number of pages in report: **231**

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: M66579

GEI Tufts Street Somerville MA
Project No: 045162

Sample Number	Collected Date	Time	By	Received	Matrix Code	Type	Client Sample ID
M66579-1	07/24/07	19:51	SLS	07/26/07	AIR	Air	045162-18MORT-B

SAMPLE DELIVERY GROUP CASE NARRATIVE

Client:	GEI Consultants, Inc.	**Job No**	M66579
Site:	GEI Tufts Street Somerville MA	**Report Date**	8/14/2007 2:28:15 PM

1 Sample was collected on 07/24/2007 and were received at Accutest on 07/26/2007. These Samples received an Accutest job number of M66579. 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:**	MSQ223

- All samples were analyzed within the recommended method holding time.
- All method blanks for this batch meet method specific criteria.
- Sample(s) M66579-1DUP were used as the QC samples indicated.

The Accutest Laboratories of New England certifies that all analysis were performed within method specification. It is further recommended that this report to be used in its entirety.The Accutest Laboratories of NE, Laboratory Director or assignee as verified by the signature on the cover page has authorized the release of this report(M66579).

Sample Results

Report of Analysis

Accutest Laboratories

Report of Analysis

Client Sample ID:	045162-18MORT-B		
Lab Sample ID:	M66579-1	**Date Sampled:**	07/24/07
Matrix:	AIR - Air Summa ID: M088	**Date Received:**	07/26/07
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	Q4211.D	1	08/08/07	DFT	n/a	n/a	MSQ223
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	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	0.20	0.20	ppbv		1.4	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	96%		57-139%

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

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

Misc. Forms

Custody Documents and Other Forms

Includes the following where applicable:

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

ACCUTEST Laboratories

CHAIN OF CUSTODY

Air Sampling Field Data Sheet

FED EX Tracking #: | Bottle Order Control #: | PAGE ___ OF ___

Lab Quote #: | Lab Job #: M66579

Client / Reporting Information

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

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

Weather Parameters

Temperature (Fahrenheit)
Start: 82.5 Maximum:
Stop: 79.4 Minimum:
Atmospheric Pressure (inches of Hg)
Start: 30.06 Maximum:
Stop: 30.09 Minimum:
Other weather comment:

Lab Sample #	Field ID / Point of Collection	Air Type: Indoor(I) Sol. Vap(SV) Ambient(A)	Sampling Equipment Info: Canister Serial #	Canister Size 6L or 1L	Flow Controller Serial #	Start Sampling Information: Date	Time (24hr clock)	Canister Pressure ("Hg)	Interior Temp (F)	Sampler Init.	Stop Sampling Information: Date	Time (24hr clock)	Canister Pressure ("Hg)	Interior Temp (F)	Sampler Init.	Requested Analysis: Standard TO-15 Reporting List	MA DEP APH
M66579-1	045162-18Mort-B	I	MD88	6L		7/24/07	1544	30	77.5	SLS	7/24/07	1851	5	78.9	SLS		

Turnaround Time / Business days

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

Approved By: _____
Date: _____

Data Deliverable Information

Comm A
Comm B
Full T1
Other:

Comments / Remarks

Please see attached list of analytes.

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

Relinquished by Laboratory:	Date Time:	Received By:	Relinquished By:	Date Time:	Received By:
1		1	2 GEI Lab	7/24/07 1430	2 Samantha Slater
3 Samantha Slater	7/24/07 2020	3 GEI Lab	4 Mark Ensign GEI Lab	7/26/07 ~~1535~~ 1535	4 Will Cirelli 7/26 335
5 Will Cirelli	7/26 5/6m	5 Will Cirelli	Custody Seal #		

SM013-01 (2/14/06)

for Ambient

M66579: Chain of Custody
Page 1 of 2

Sub Slab Air Sampling Analyte List

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

Summa Canister and Flow Controller Log

Job Number: M66579
Account: GEI GEI Consultants, Inc.
Project: GEI Tufts Street Somerville MA
Received: 07/26/07

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
M088	6	29.4	07/18/07	DFT	CP446	Q3996.D	M66579-1	07/27/07	DFT	4.4			1

FLOW CONTROLLERS

Shipping					Receiving		
Flow Crtl ID	Date Out	By	cc/ min	Time hrs.	Date In	By	cc/ min
MC044	07/02/07	PB	20	4	07/27/07	DFT	20.4
MC045	07/02/07	PB	20	4	07/27/07	DFT	20.2

Accutest Bottle Order(s):
GEI/7-18-07/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: M66579

GEI Tufts Street Somerville MA
Project No: 045162

Sample Number	Method	Analyzed	By	Prepped	By	Test Codes
M66579-1	Collected: 24-JUL-07 19:51	By: SLS	Received: 26-JUL-07	By: SAP		
045162-18MORT-B						
M66579-1	TO-15	08-AUG-07 11:12	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: M66579
Account: GEI GEI Consultants, Inc.
Project: GEI Tufts Street Somerville MA

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
MSQ223-MB	Q4210.D	1	08/08/07	DFT	n/a	n/a	MSQ223

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

M66579-1

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

CAS No.	Surrogate Recoveries		Limits
460-00-4	4-Bromofluorobenzene	89%	57-139%

Method Blank Summary

Job Number: M66579
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: M66579
Account: GEI GEI Consultants, Inc.
Project: GEI Tufts Street Somerville MA

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
MSQ223-BS	Q4209B.D	1	08/08/07	DFT	n/a	n/a	MSQ223

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

M66579-1

CAS No.	Compound	Spike ppbv	BSP ppbv	BSP %	Limits
75-00-3	Chloroethane	10	11.1	111	70-130
56-23-5	Carbon tetrachloride	10	12.3	123	70-130
75-34-3	1,1-Dichloroethane	10	12.0	120	70-130
75-35-4	1,1-Dichloroethylene	10	10.4	104	70-130
107-06-2	1,2-Dichloroethane	10	12.6	126	70-130
156-60-5	trans-1,2-Dichloroethylene	10	11.3	113	70-130
156-59-2	cis-1,2-Dichloroethylene	10	11.1	111	70-130
71-55-6	1,1,1-Trichloroethane	10	12.3	123	70-130
79-34-5	1,1,2,2-Tetrachloroethane	10	10.6	106	70-130
79-00-5	1,1,2-Trichloroethane	10	10.4	104	70-130
127-18-4	Tetrachloroethylene	10	10.4	104	70-130
79-01-6	Trichloroethylene	10	10.8	108	70-130
75-01-4	Vinyl chloride	10	9.3	93	70-130

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

Blank Spike Summary

Job Number: M66579
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: M66579
Account: GEI GEI Consultants, Inc.
Project: GEI Tufts Street Somerville MA

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
M66579-1DUP	Q4212.D	1	08/08/07	DFT	n/a	n/a	MSQ223
M66579-1	Q4211.D	1	08/08/07	DFT	n/a	n/a	MSQ223

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

M66579-1

CAS No.	Compound	M66579-1 ppbv	Q	DUP ppbv	Q	RPD	Limits
75-00-3	Chloroethane	ND		ND		nc	25
56-23-5	Carbon tetrachloride	ND		ND		nc	25
75-34-3	1,1-Dichloroethane	ND		ND		nc	25
75-35-4	1,1-Dichloroethylene	ND		ND		nc	25
107-06-2	1,2-Dichloroethane	ND		ND		nc	25
156-60-5	trans-1,2-Dichloroethylene	ND		ND		nc	25
156-59-2	cis-1,2-Dichloroethylene	ND		ND		nc	25
71-55-6	1,1,1-Trichloroethane	ND		ND		nc	25
79-34-5	1,1,2,2-Tetrachloroethane	ND		ND		nc	25
79-00-5	1,1,2-Trichloroethane	ND		ND		nc	25
127-18-4	Tetrachloroethylene	0.20		0.21		5	25
79-01-6	Trichloroethylene	ND		ND		nc	25
75-01-4	Vinyl chloride	ND		ND		nc	25

CAS No.	Surrogate Recoveries	DUP	M66579-1	Limits
460-00-4	4-Bromofluorobenzene	97%	96%	57-139%

Summa Cleaning Certification

Job Number: M66579
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	Q3993.D	1	07/17/07	DFT	n/a	n/a	MSQ214

The QC reported here (Summa M088) applies to the following samples: **Method:** TO-15

Batch CP446 cleaned 07/10/07: M66579-1(M088)

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	101%	57-139%

Instrument Performance Check (BFB)

Job Number: M66579
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: M66579
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 M66579)
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: M66579
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: M66579
Account: GEI GEI Consultants, Inc.
Project: GEI Tufts Street Somerville MA

Sample: MSQ223-BFB
Lab File ID: Q4209A.D
Instrument ID: GCMSQ
Injection Date: 08/08/07
Injection Time: 09:36

m/e	Ion Abundance Criteria	Raw Abundance	% Relative Abundance		Pass/Fail
50	8.0 - 40.0% of mass 95	25384	23.2		Pass
75	30.0 - 66.0% of mass 95	64093	58.5		Pass
95	Base peak, 100% relative abundance	109562	100.0		Pass
96	5.0 - 9.0% of mass 95	7787	7.1		Pass
173	Less than 2.0% of mass 174	355	0.32	(0.4) [a]	Pass
174	50.0 - 120.0% of mass 95	89154	81.4		Pass
175	4.0 - 9.0% of mass 174	6494	5.9	(7.3) [a]	Pass
176	93.0 - 101.0% of mass 174	86157	78.6	(96.6) [a]	Pass
177	5.0 - 9.0% of mass 176	5604	5.1	(6.5) [b]	Pass

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

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

Lab Sample ID	Lab File ID	Date Analyzed	Time Analyzed	Hours Lapsed	Client Sample ID
MSQ223-CC223	Q4209A.D	08/08/07	09:36	00:00	Continuing cal 10
MSQ223-MB	Q4210.D	08/08/07	10:21	00:45	Method Blank
M66579-1	Q4211.D	08/08/07	11:12	01:36	045162-18MORT-B
M66579-1DUP	Q4212.D	08/08/07	11:59	02:23	Duplicate
ZZZZZZ	Q4213.D	08/08/07	13:59	04:23	(unrelated sample)
ZZZZZZ	Q4214.D	08/08/07	14:49	05:13	(unrelated sample)
ZZZZZZ	Q4215.D	08/08/07	15:41	06:05	(unrelated sample)
ZZZZZZ	Q4217.D	08/08/07	17:27	07:51	(unrelated sample)
ZZZZZZ	Q4218.D	08/08/07	18:18	08:42	(unrelated sample)
ZZZZZZ	Q4219.D	08/08/07	19:09	09:33	(unrelated sample)
ZZZZZZ	Q4220.D	08/08/07	19:57	10:21	(unrelated sample)
ZZZZZZ	Q4221.D	08/08/07	20:44	11:08	(unrelated sample)
ZZZZZZ	Q4225.D	08/08/07	23:43	14:07	(unrelated sample)
ZZZZZZ	Q4226.D	08/09/07	00:26	14:50	(unrelated sample)

Volatile Internal Standard Area Summary

Job Number: M66579
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: M66579
Account: GEI GEI Consultants, Inc.
Project: GEI Tufts Street Somerville MA

Check Std:	MSQ223-CC223	**Injection Date:**	08/08/07
Lab File ID:	Q4209A.D	**Injection Time:**	09:36
Instrument ID:	GCMSQ	**Method:**	TO-15

	IS 1 AREA	RT	IS 2 AREA	RT	IS 3 AREA	RT
Check Std	93709	8.63	446383	10.46	399400	14.70
Upper Limit [a]	131193	8.96	624936	10.79	559160	15.03
Lower Limit [b]	56225	8.30	267830	10.13	239640	14.37

Lab Sample ID	IS 1 AREA	RT	IS 2 AREA	RT	IS 3 AREA	RT
MSQ223-MB	126359	8.63	547055	10.46	464410	14.70
M66579-1	136776[c]	8.63	617576	10.46	535719	14.70
M66579-1DUP	136687[c]	8.63	617006	10.46	533803	14.70
ZZZZZZ	148359[d]	8.63	678547[d]	10.46	581691[d]	14.70
ZZZZZZ	138216*	8.63	611966	10.45	512584	14.70
ZZZZZZ	132536*	8.62	574000	10.45	480310	14.70
ZZZZZZ	115478	8.61	510665	10.45	430053	14.70
ZZZZZZ	89485	8.60	391998	10.43	318422	14.69
ZZZZZZ	119539	8.62	534842	10.45	452285	14.70
ZZZZZZ	103024	8.63	467137	10.46	396734	14.70
ZZZZZZ	95177	8.69	205072*	10.57	428052	14.81
ZZZZZZ	72002	8.63	335631	10.46	269730	14.70
ZZZZZZ	69427	8.63	315387	10.46	255484	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.
(d) Outside control limits due to possible matrix interference. Confirmed by re-extraction/reanalysis.

Initial Calibration Retention Time/Internal Standard Area Summary

Job Number: M66579
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: M66579
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: M66579
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: M66579
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: M66579
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: M66579
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: M66579
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: M66579
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: M66579
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: M66579
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: M66579
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: M66579
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: M66579
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: M66579
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: M66579
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: M66579
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: M66579
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: M66579
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: M66579
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: M66579
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: M66579
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: M66579
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: M66579
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: M66579
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: M66579
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: M66579
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: M66579
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: M66579
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

Volatile Surrogate Recovery Summary

Job Number: M66579
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
M66579-1	Q4211.D	96.0
M66579-1DUP	Q4212.D	97.0
MSQ214-SCC	Q3993.D	101.0
MSQ223-BS	Q4209B.D	111.0
MSQ223-MB	Q4210.D	89.0
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: M66579
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: M66579
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
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Continuing Calibration Summary

Job Number: M66579
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: M66579
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: M66579
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: M66579
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: M66579
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: M66579
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: M66579
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: M66579 **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: M66579
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

Continuing Calibration Summary

Job Number: M66579
Account: GEI GEI Consultants, Inc.
Project: GEI Tufts Street Somerville MA

Sample: MSQ223-CC223
Lab FileID: Q4209A.D

Evaluate Continuing Calibration Report

```
Data File : C:\msdchem\1\DATA\Q4209a.D                    Vial: 1
Acq On    :  8 Aug 2007   9:36 am                    Operator: danat
Sample    : cc223-10 (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

Continuing Calibration Summary

Job Number: M66579 **Sample:** MSQ223-CC223
Account: GEI GEI Consultants, Inc. **Lab FileID:** Q4209A.D
Project: GEI Tufts Street Somerville MA

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	10.281	-2.8	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

Continuing Calibration Summary

Job Number: M66579
Account: GEI GEI Consultants, Inc.
Project: GEI Tufts Street Somerville MA

Sample: MSQ223-CC223
Lab FileID: Q4209A.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----------
-------------------------------------------------------------------------------
-------------------------------------------------------------------------------

   (#) = Out of Range              SPCC's out = 0  CCC's out = 0
    Q4204.D    Q080707T.m       Thu Aug 09 15:07:12 2007   RPT1
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Initial Calibration Verification

Job Number: M66579
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: M66579
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: M66579
Account: GEI GEI Consultants, Inc.
Project: GEI Tufts Street Somerville MA

Sample: MSQ223-ICV223
Lab FileID: Q4209.D

```
            ----------------------- 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----------
-------------------------------------------------------------------------------
-------------------------------------------------------------------------------

   (#) = Out of Range              SPCC's out = 0  CCC's out = 0
    Q4204.D    Q080707T.m       Thu Aug 09 15:05:04 2007   RPT1
```

GC/MS Volatiles

Raw Data

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\
Data File : Q4211.D
Acq On : 8 Aug 2007 11:12 am
Operator : danat
Sample : m66579-1 (M088)
Misc : MS14030, MSQ223,,,,,1
ALS Vial : 5 Sample Multiplier: 1

Quant Time: Aug 09 11:48:10 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	8.632	128	136776	10.00	PPBV	0.00
35) 1,4-DIFLUOROBENZENE	10.458	114	617576	10.00	PPBV	0.00
49) CHLOROBENZENE-D5	14.701	117	535719	10.00	PPBV	0.00

System Monitoring Compounds

61) 4-BROMOFLUOROBENZENE	16.322	95	207237	4.78	PPBV	0.00

Spiked Amount 5.000 Range 57 - 139 Recovery = 95.60%

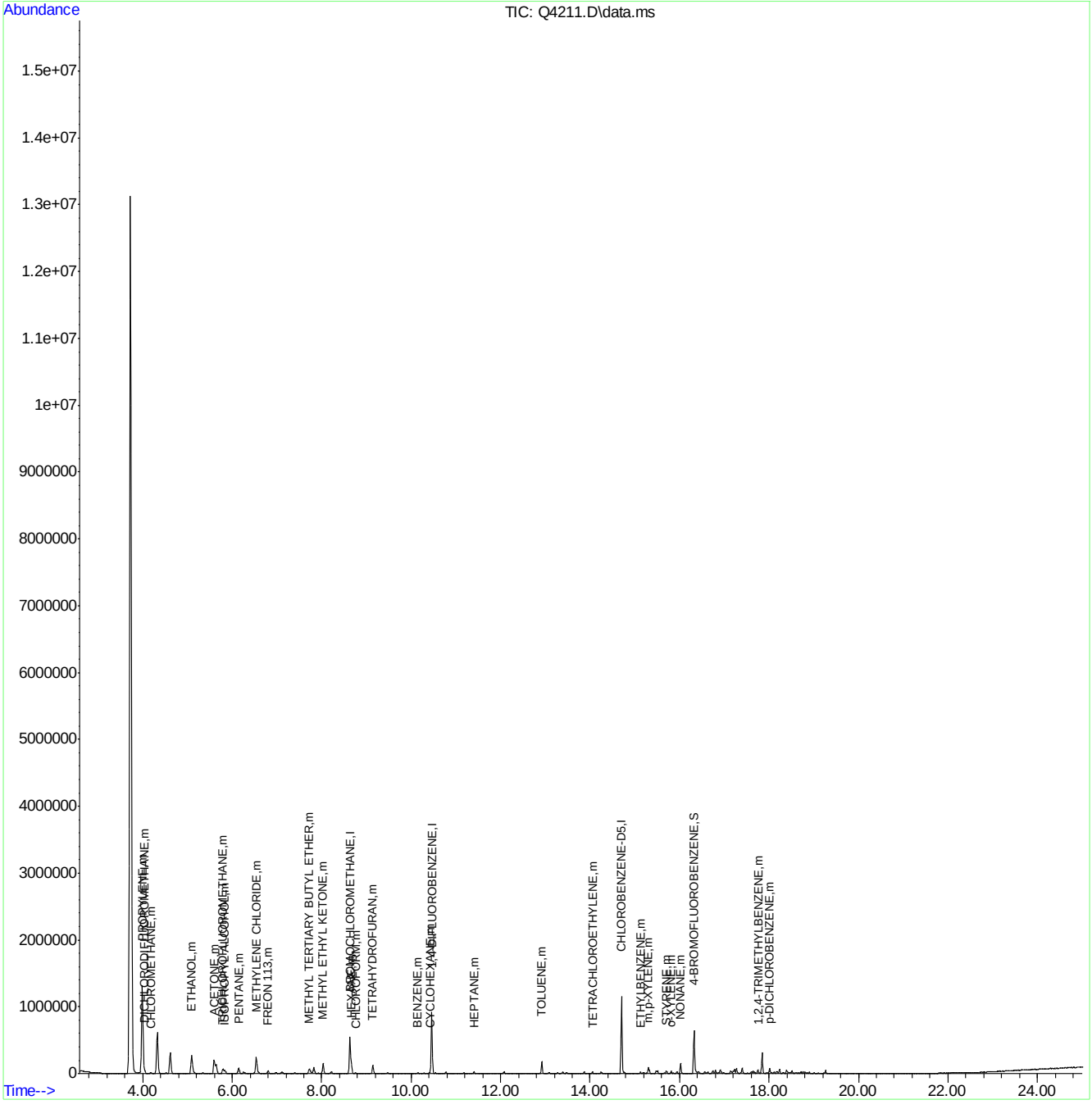
Target Compounds						Qvalue
2) DICHLORODIFLUOROMETHANE	4.037	85	39812	0.51	PPBV	98
3) PROPYLENE	3.987	41	424544	45.78	PPBV #	40
5) CHLOROMETHANE	4.197	50	8447	0.59	PPBV	82
10) TRICHLOROFLUOROMETHANE	5.785	101	64079	0.85	PPBV	99
11) ISOPROPYL ALCOHOL	5.829	45	68947	2.94	PPBV	92
12) ACETONE	5.595	43	363910	17.58	PPBV	96
13) PENTANE	6.143	42	35554	2.24	PPBV	95
16) ETHANOL	5.091	45	393516	89.34	PPBV	96
18) METHYLENE CHLORIDE	6.537	84	118859	6.48	PPBV	90
20) FREON 113	6.798	151	17244	0.43	PPBV	89
23) METHYL TERTIARY BUTYL ...	7.716	73	27505	0.72	PPBV #	1
24) TETRAHYDROFURAN	9.143	42	62909	7.45	PPBV	88
25) HEXANE	8.665	57	45029	2.00	PPBV	98
28) METHYL ETHYL KETONE	8.030	43	189233	8.93	PPBV	96
31) CHLOROFORM	8.756	83	7019	0.16	PPBV	98
36) BENZENE	10.146	78	15310	0.38	PPBV	96
37) CYCLOHEXANE	10.414	84	5918	0.33	PPBV #	85
43) HEPTANE	11.404	43	8158	0.41	PPBV	94
46) TOLUENE	12.921	92	64322	2.37	PPBV	98
51) TETRACHLOROETHYLENE	14.055	164	5010	0.20	PPBV	88
55) ETHYLBENZENE	15.127	91	18079	0.33	PPBV	96
56) m,p-XYLENE	15.303	106	19531	0.98	PPBV	87
57) o-XYLENE	15.818	106	6487	0.33	PPBV	93
58) STYRENE	15.697	104	21576	0.89	PPBV	95
59) NONANE	16.024	43	45292	1.88	PPBV	96
67) 1,2,4-TRIMETHYLBENZENE	17.752	105	13794	0.30	PPBV	96
70) p-DICHLOROBENZENE	18.011	146	25336	0.87	PPBV	97

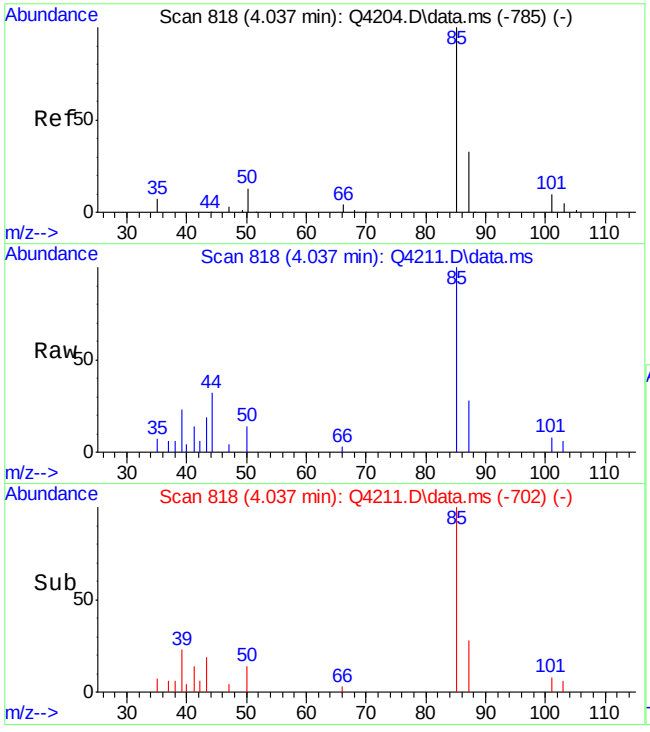
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\
Data File : Q4211.D
Acq On : 8 Aug 2007 11:12 am
Operator : danat
Sample : m66579-1 (M088)
Misc : MS14030, MSQ223,,,,,1
ALS Vial : 5 Sample Multiplier: 1

Quant Time: Aug 09 11:48:10 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

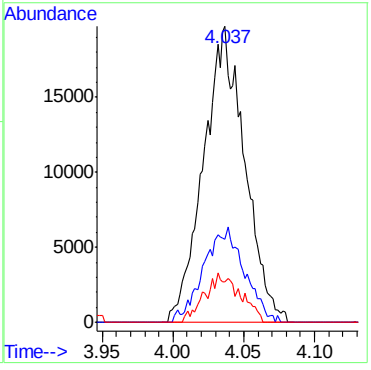


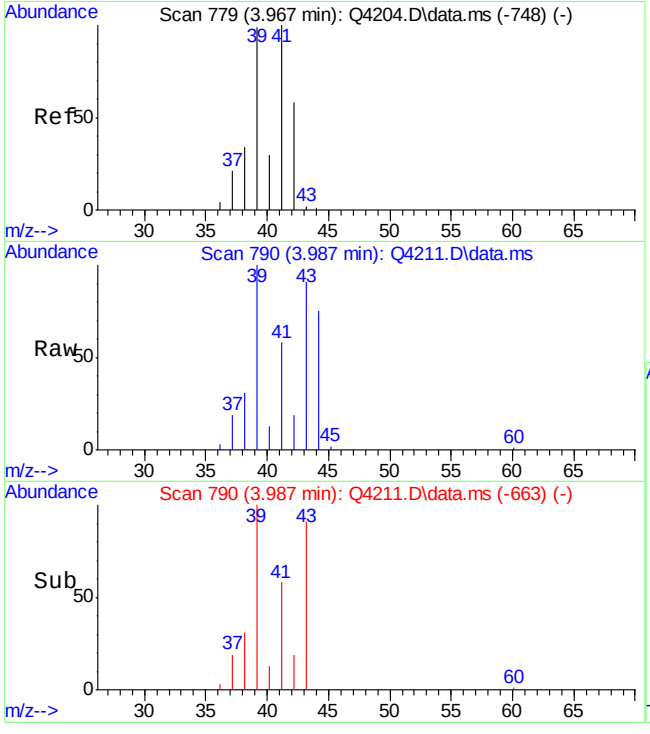


#2
DICHLORODIFLUOROMETHANE
Concen: 0.51 PPBV
RT: 4.037 min Scan# 818
Delta R.T. 0.000 min
Lab File: Q4211.D
Acq: 8 Aug 2007 11:12 am

Tgt Ion: 85 Resp: 39812

Ion	Ratio	Lower	Upper
85	100		
87	31.8	12.4	52.4
50	14.3	0.0	33.0

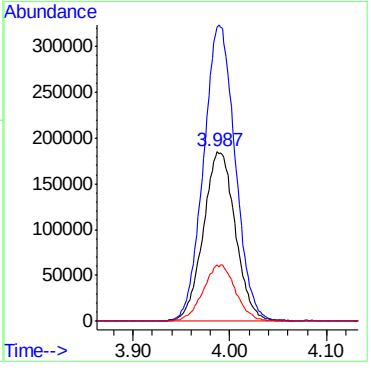


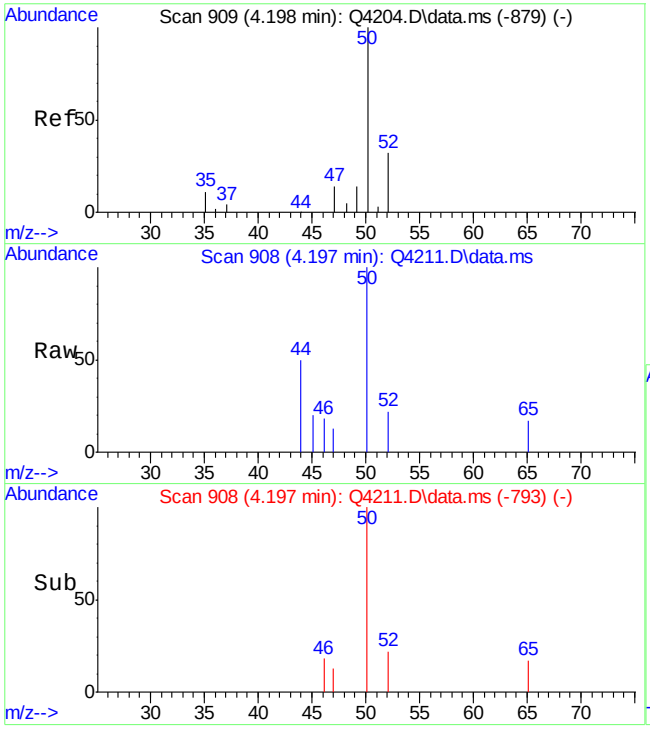


#3
PROPYLENE
Concen: 45.78 PPBV
RT: 3.987 min Scan# 790
Delta R.T. 0.020 min
Lab File: Q4211.D
Acq: 8 Aug 2007 11:12 am

Tgt Ion: 41 Resp: 424544

Ion	Ratio	Lower	Upper
41	100		
39	173.3	78.5	118.5#
42	32.9	38.1	78.1#

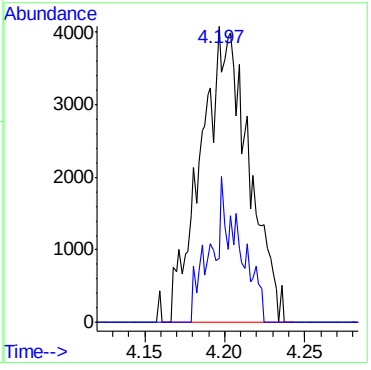


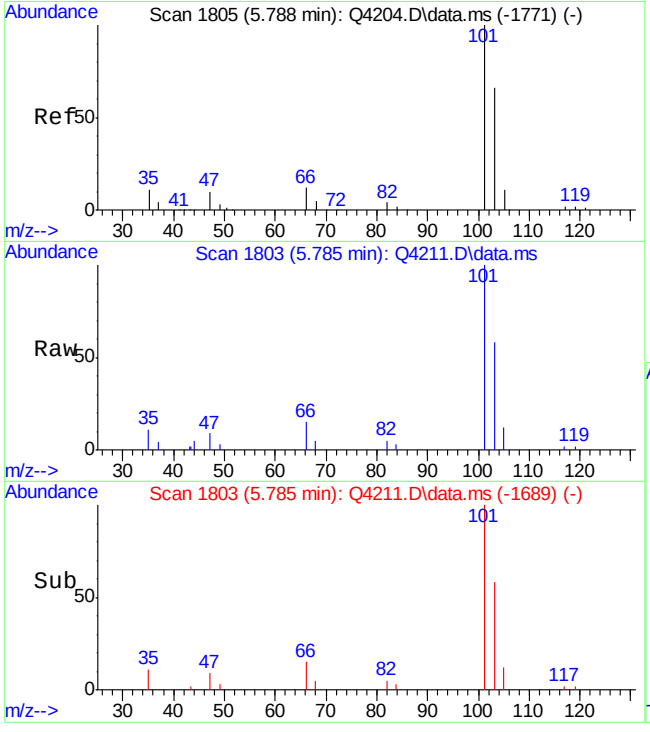


#5
CHLOROMETHANE
Concen: 0.59 PPBV
RT: 4.197 min Scan# 908
Delta R.T. -0.002 min
Lab File: Q4211.D
Acq: 8 Aug 2007 11:12 am

Tgt Ion: 50 Resp: 8447

Ion	Ratio	Lower	Upper
50	100		
52	21.8	12.0	52.0

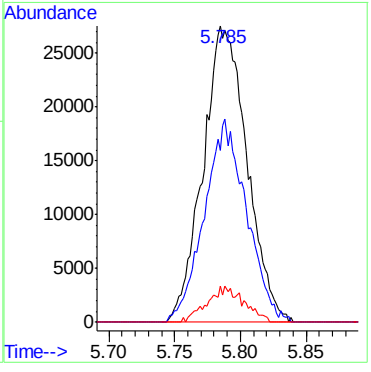


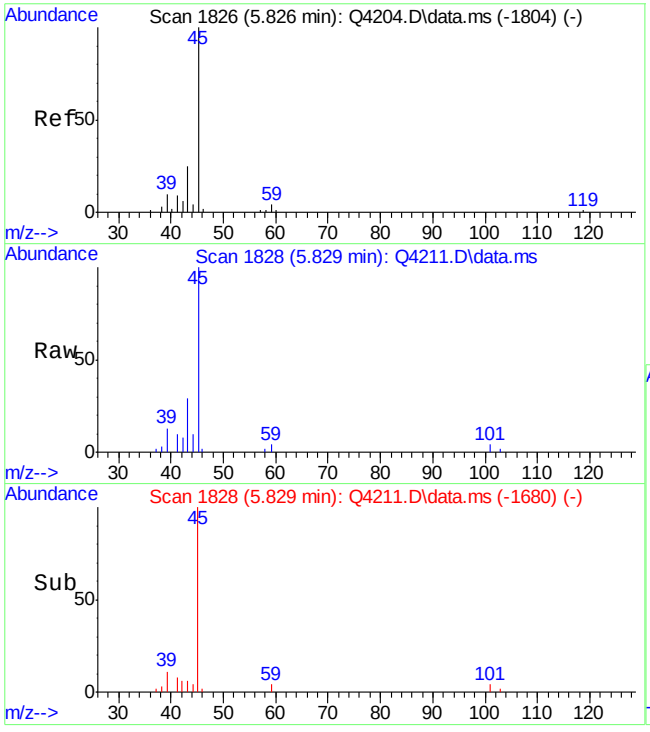


#10
TRICHLOROFLUOROMETHANE
Concen: 0.85 PPBV
RT: 5.785 min Scan# 1803
Delta R.T. -0.003 min
Lab File: Q4211.D
Acq: 8 Aug 2007 11:12 am

Tgt Ion:101 Resp: 64079

Ion	Ratio	Lower	Upper
101	100		
103	65.4	44.4	84.4
105	9.9	0.0	30.5

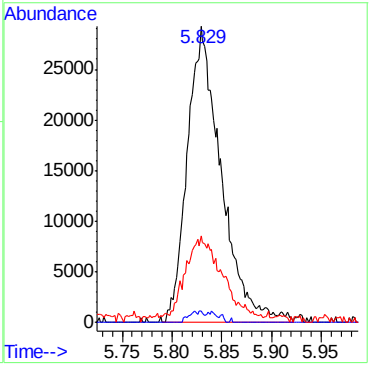


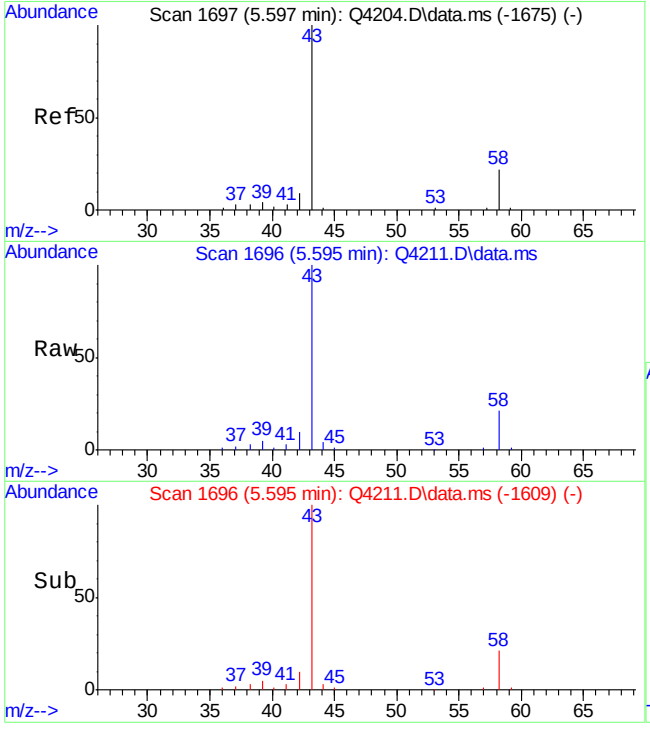


#11
ISOPROPYL ALCOHOL
Concen: 2.94 PPBV
RT: 5.829 min Scan# 1828
Delta R.T. 0.004 min
Lab File: Q4211.D
Acq: 8 Aug 2007 11:12 am

Tgt Ion: 45 Resp: 68947

Ion	Ratio	Lower	Upper
45	100		
59	3.9	0.0	23.7
43	29.3	4.9	44.9

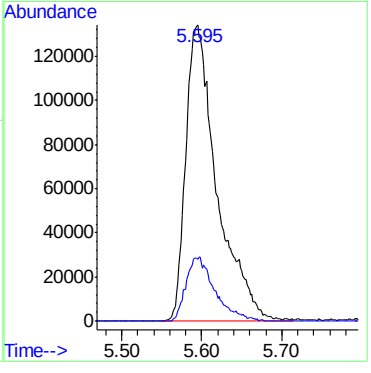


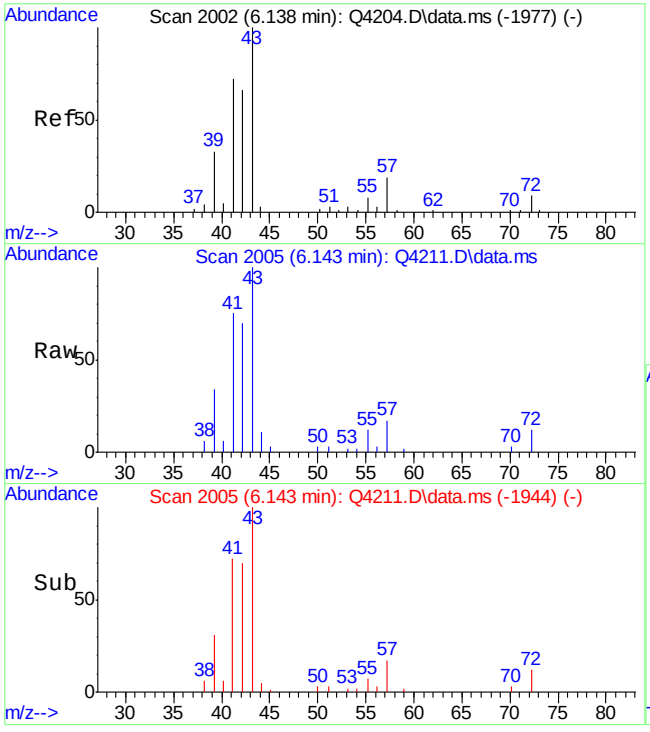


#12
ACETONE
Concen: 17.58 PPBV
RT: 5.595 min Scan# 1696
Delta R.T. -0.001 min
Lab File: Q4211.D
Acq: 8 Aug 2007 11:12 am

Tgt Ion: 43 Resp: 363910

Ion	Ratio	Lower	Upper
43	100		
58	20.0	2.0	42.0

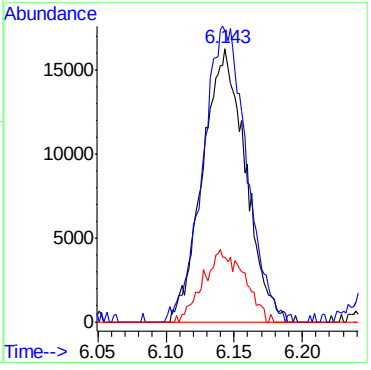


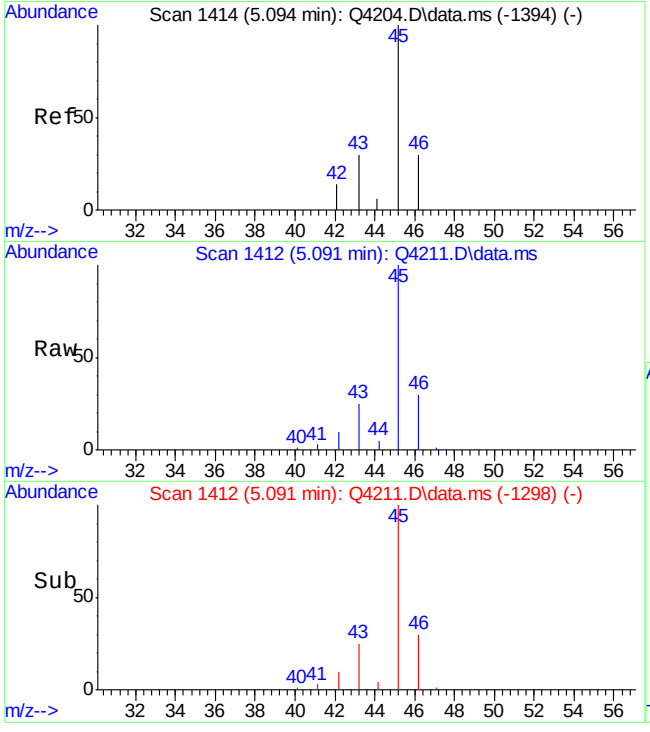


#13
PENTANE
Concen: 2.24 PPBV
RT: 6.143 min Scan# 2005
Delta R.T. 0.005 min
Lab File: Q4211.D
Acq: 8 Aug 2007 11:12 am

Tgt Ion: 42 Resp: 35554

Ion	Ratio	Lower	Upper
42	100		
41	109.8	94.9	134.9
57	25.5	7.9	47.9

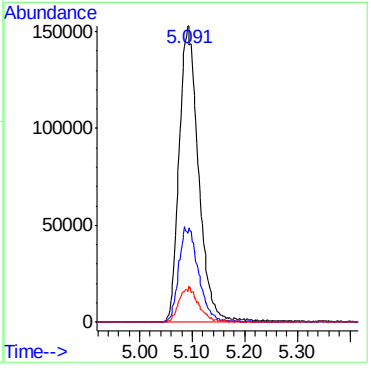


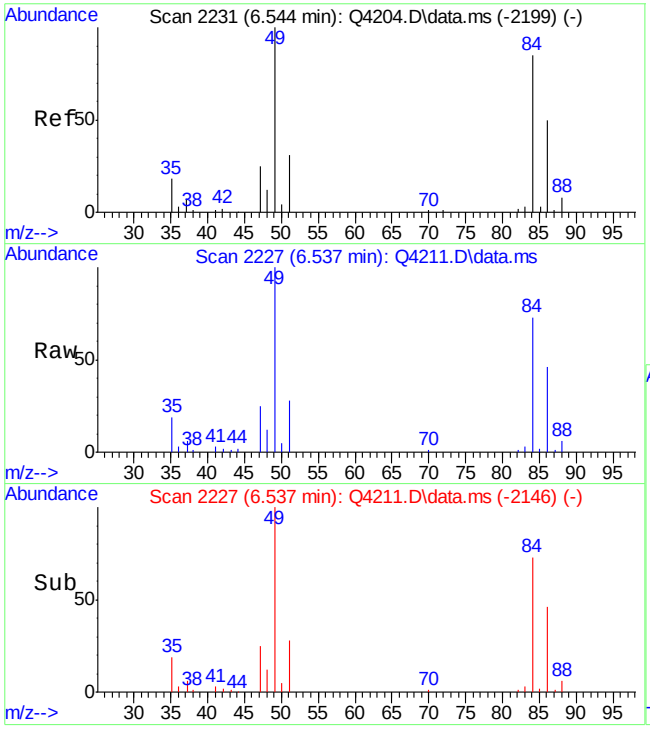


#16
ETHANOL
Concen: 89.34 PPBV
RT: 5.091 min Scan# 1412
Delta R.T. -0.003 min
Lab File: Q4211.D
Acq: 8 Aug 2007 11:12 am

Tgt Ion: 45 Resp: 393516

Ion	Ratio	Lower	Upper
45	100		
46	32.1	9.5	49.5
42	11.8	0.0	31.3

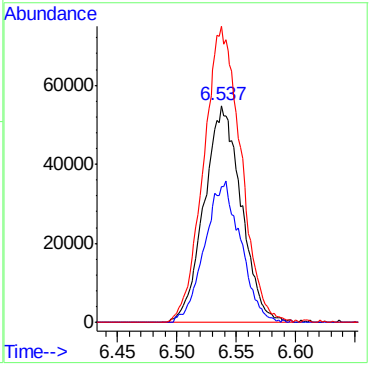


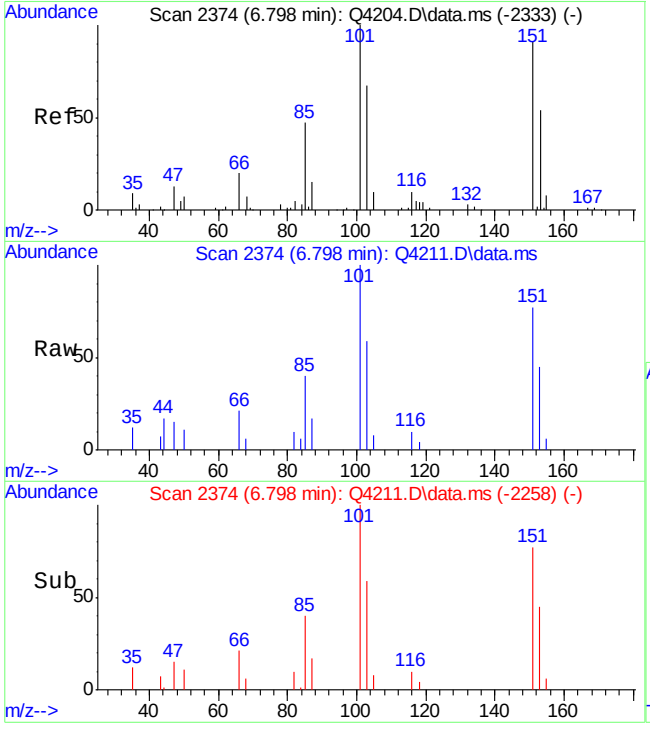


#18
METHYLENE CHLORIDE
Concen: 6.48 PPBV
RT: 6.537 min Scan# 2227
Delta R.T. -0.007 min
Lab File: Q4211.D
Acq: 8 Aug 2007 11:12 am

Tgt Ion: 84 Resp: 118859

Ion	Ratio	Lower	Upper
84	100		
86	63.4	44.7	84.7
49	138.0	0.0	322.6

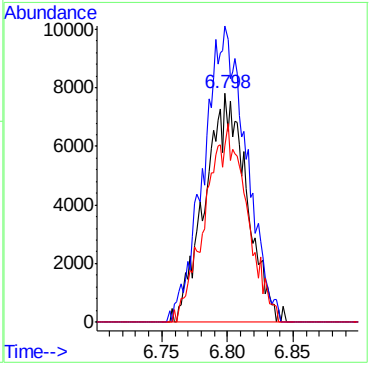


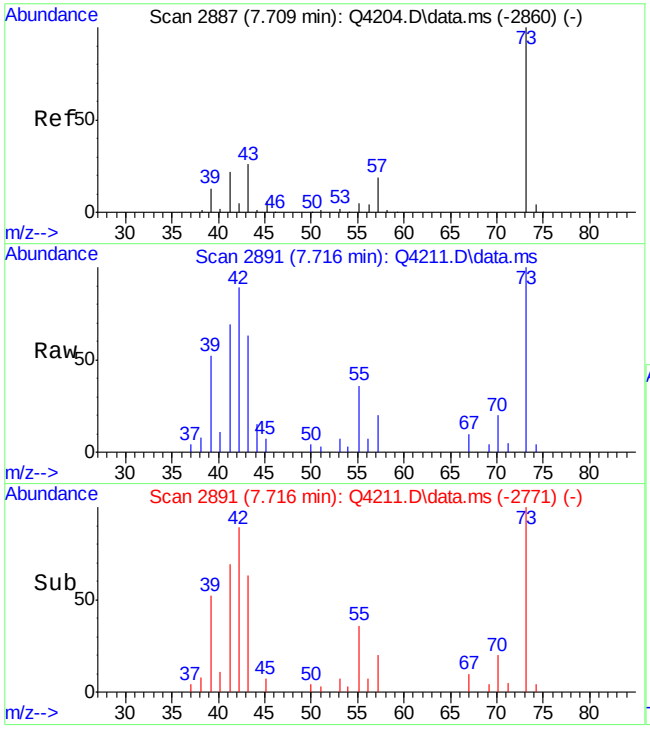


#20
FREON 113
Concen: 0.43 PPBV
RT: 6.798 min Scan# 2374
Delta R.T. 0.000 min
Lab File: Q4211.D
Acq: 8 Aug 2007 11:12 am

Tgt Ion:151 Resp: 17244

Ion	Ratio	Lower	Upper
151	100		
101	132.3	99.1	139.1
103	86.3	57.2	97.2

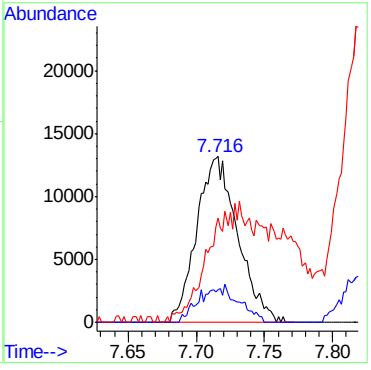


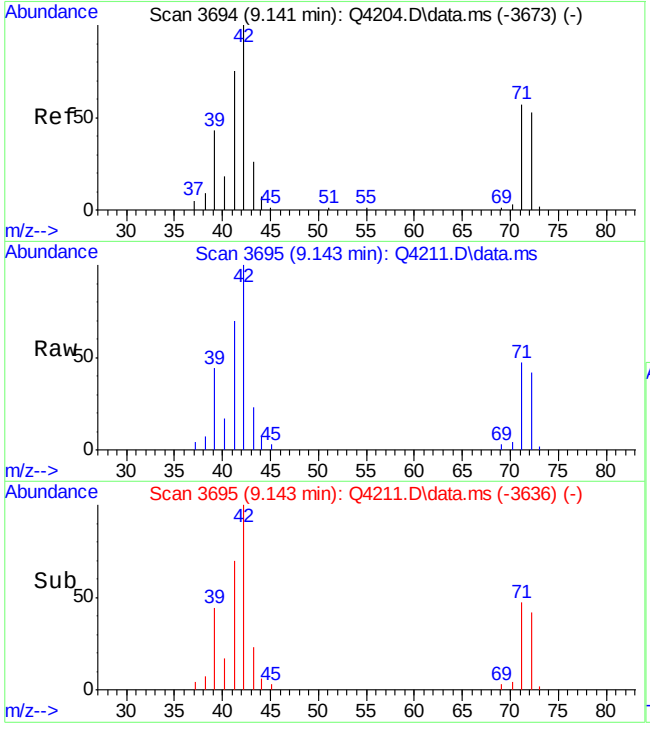


#23
METHYL TERTIARY BUTYL ETHER
Concen: 0.72 PPBV
RT: 7.716 min Scan# 2891
Delta R.T. 0.007 min
Lab File: Q4211.D
Acq: 8 Aug 2007 11:12 am

Tgt Ion: 73 Resp: 27505

Ion	Ratio	Lower	Upper
73	100		
57	21.0	0.0	38.0
43	132.0	6.4	46.4#

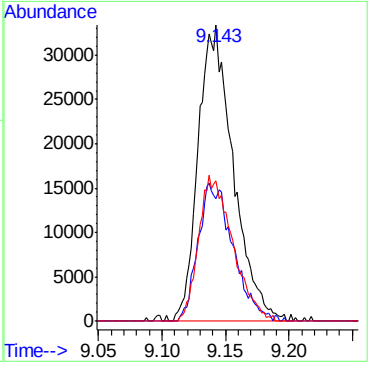


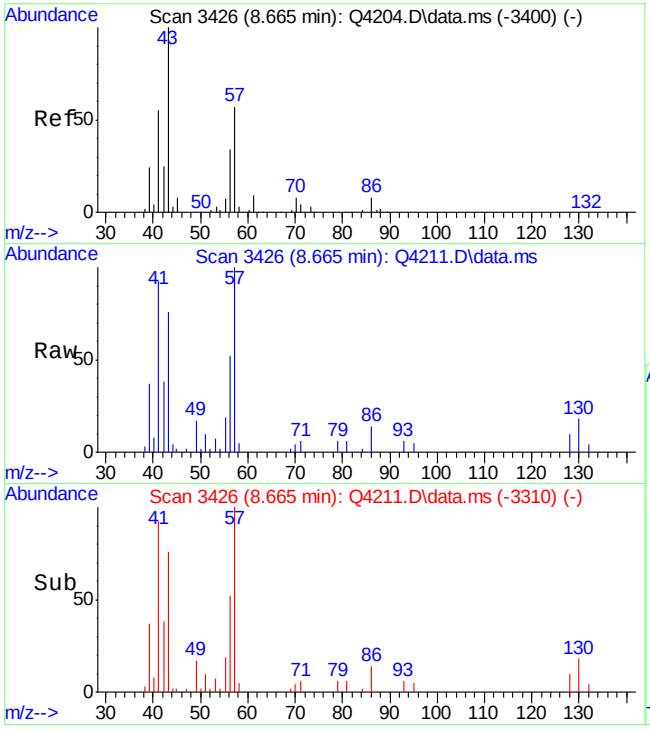


#24
TETRAHYDROFURAN
Concen: 7.45 PPBV
RT: 9.143 min Scan# 3695
Delta R.T. 0.002 min
Lab File: Q4211.D
Acq: 8 Aug 2007 11:12 am

Tgt Ion: 42 Resp: 62909

Ion	Ratio	Lower	Upper
42	100		
72	46.3	34.4	74.4
71	47.5	37.2	77.2

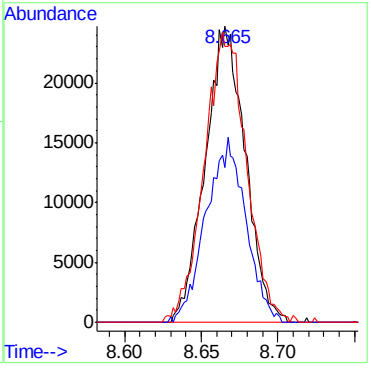


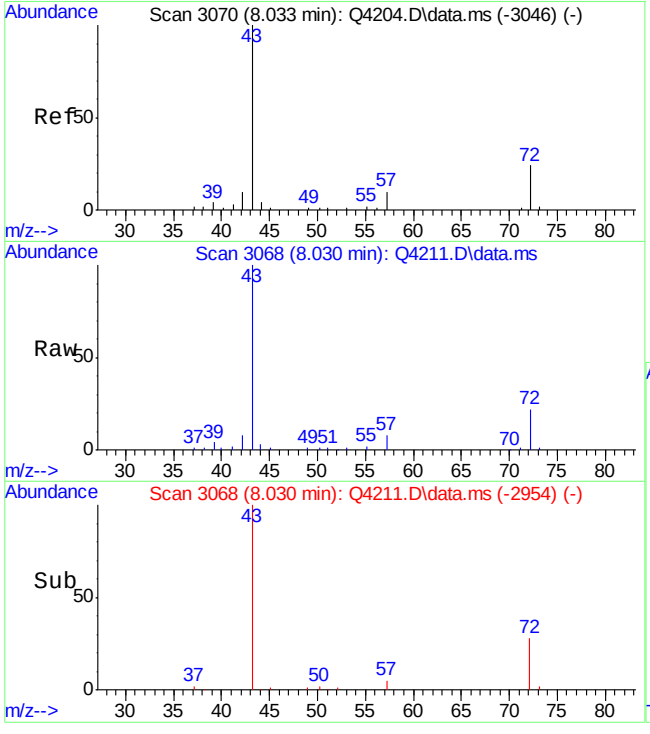


#25
HEXANE
Concen: 2.00 PPBV
RT: 8.665 min Scan# 3426
Delta R.T. 0.000 min
Lab File: Q4211.D
Acq: 8 Aug 2007 11:12 am

Tgt Ion: 57 Resp: 45029

Ion	Ratio	Lower	Upper
57	100		
56	61.4	38.1	78.1
41	103.4	83.2	123.2

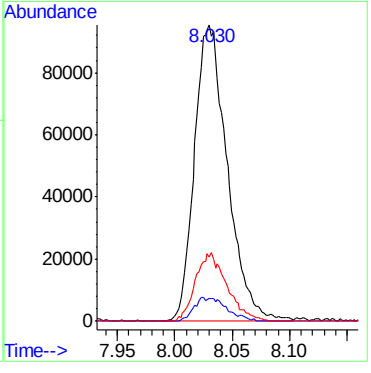


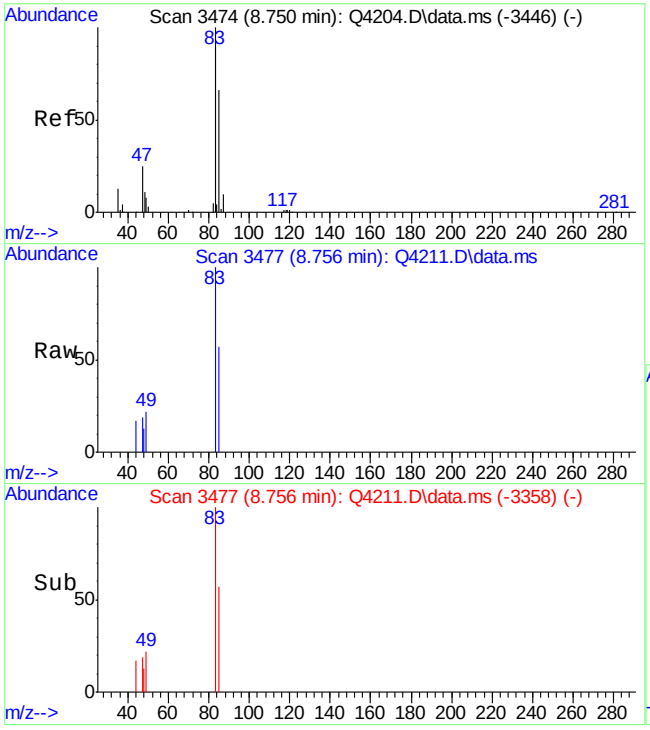


#28
METHYL ETHYL KETONE
Concen: 8.93 PPBV
RT: 8.030 min Scan# 3068
Delta R.T. -0.003 min
Lab File: Q4211.D
Acq: 8 Aug 2007 11:12 am

Tgt Ion: 43 Resp: 189233

Ion	Ratio	Lower	Upper
43	100		
57	7.5	0.0	29.6
72	21.8	3.7	43.7

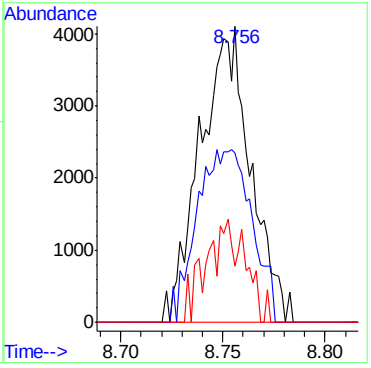


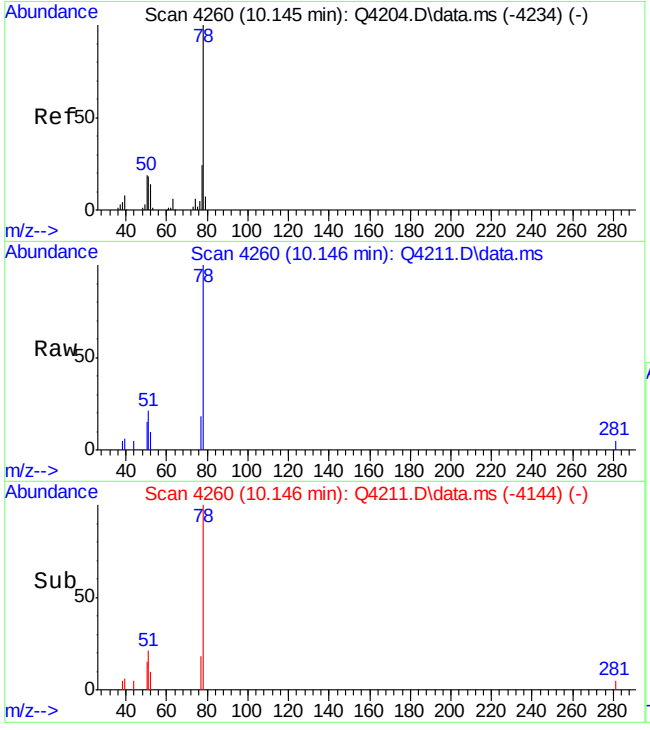


#31
CHLOROFORM
Concen: 0.16 PPBV
RT: 8.756 min Scan# 3477
Delta R.T. 0.005 min
Lab File: Q4211.D
Acq: 8 Aug 2007 11:12 am

Tgt Ion: 83 Resp: 7019

Ion	Ratio	Lower	Upper
83	100		
85	64.0	45.4	85.4
47	26.8	5.9	45.9

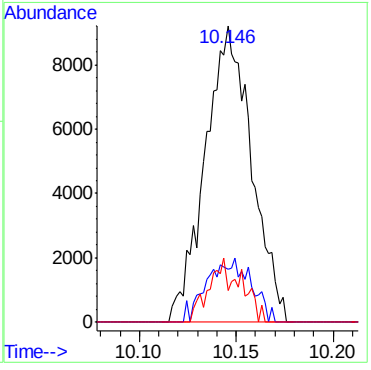


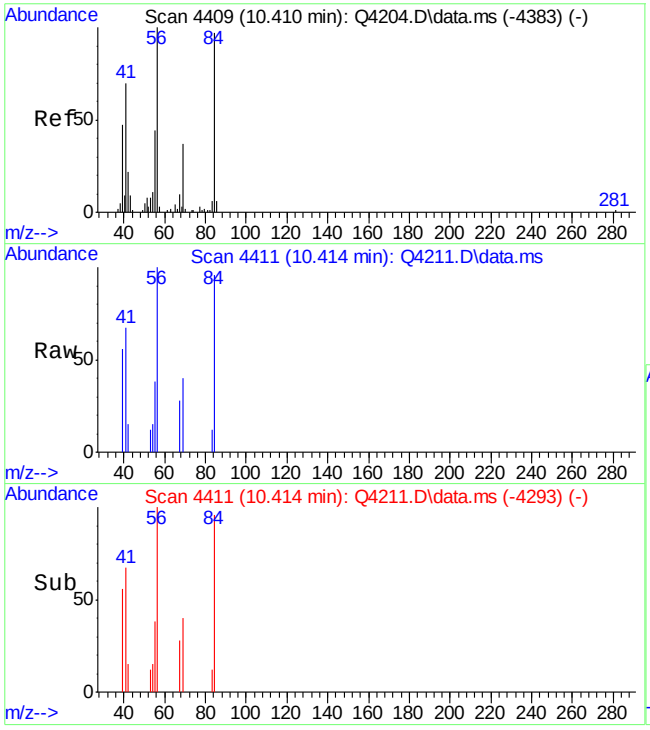


#36
BENZENE
Concen: 0.38 PPBV
RT: 10.146 min Scan# 4260
Delta R.T. 0.000 min
Lab File: Q4211.D
Acq: 8 Aug 2007 11:12 am

Tgt Ion: 78 Resp: 15310

Ion	Ratio	Lower	Upper
78	100		
77	20.4	3.6	43.6
52	14.8	0.0	35.2

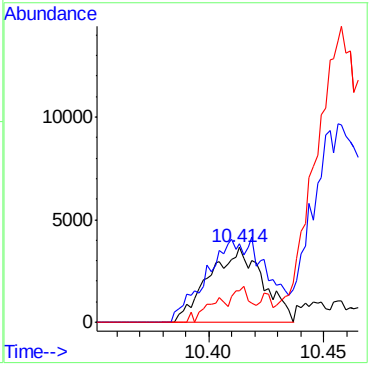


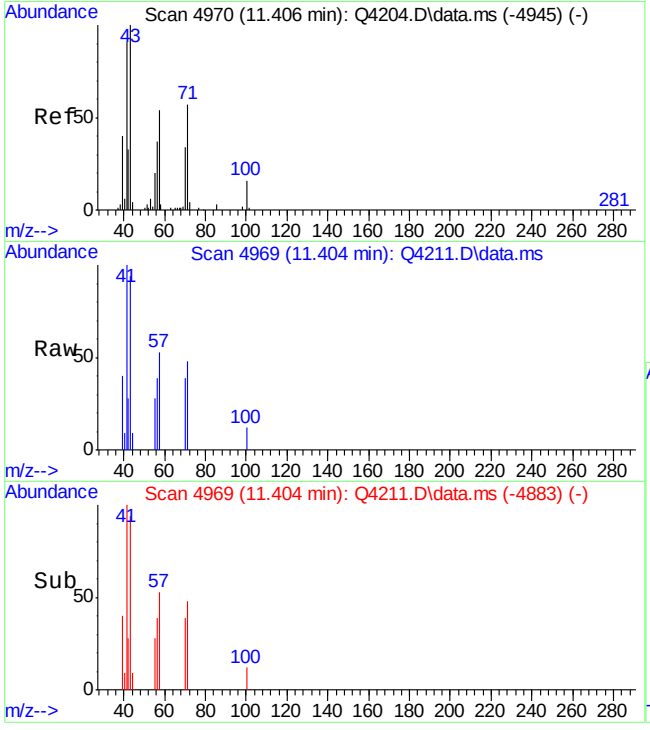


#37
CYCLOHEXANE
Concen: 0.33 PPBV
RT: 10.414 min Scan# 4411
Delta R.T. 0.004 min
Lab File: Q4211.D
Acq: 8 Aug 2007 11:12 am

Tgt Ion: 84 Resp: 5918

Ion	Ratio	Lower	Upper
84	100		
56	123.8	82.8	122.8#
69	38.9	18.2	58.2

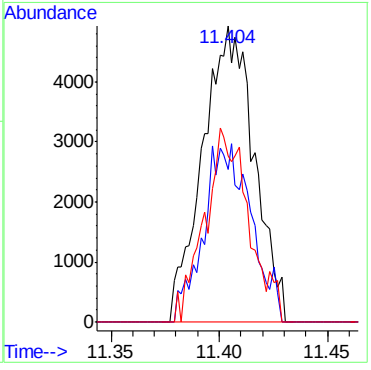




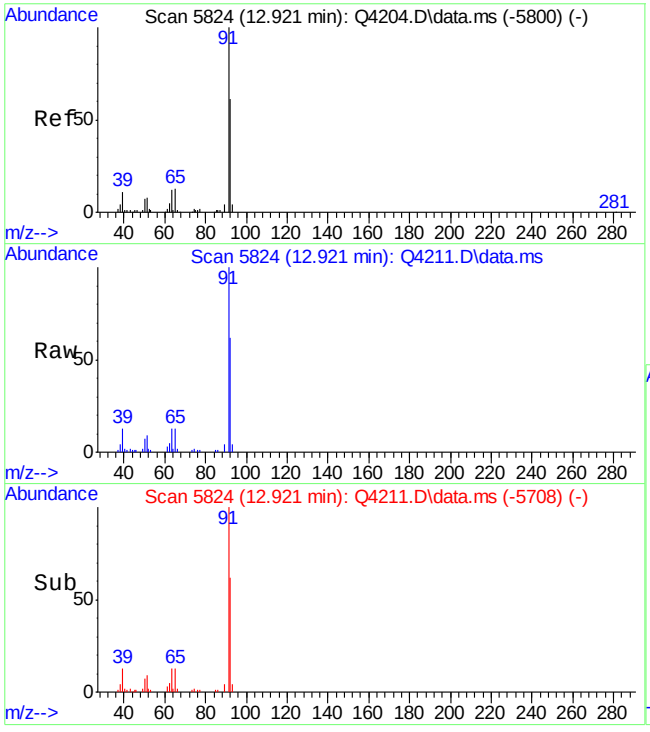
#43
HEPTANE
Concen: 0.41 PPBV
RT: 11.404 min Scan# 4969
Delta R.T. -0.002 min
Lab File: Q4211.D
Acq: 8 Aug 2007 11:12 am

Tgt Ion: 43 Resp: 8158

Ion	Ratio	Lower	Upper
43	100		
71	55.1	41.9	81.9
57	55.5	33.5	73.5



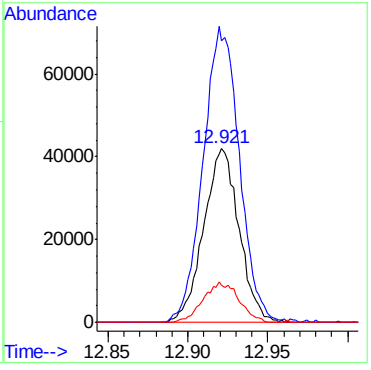
ACCUTEST Laboratories M66579

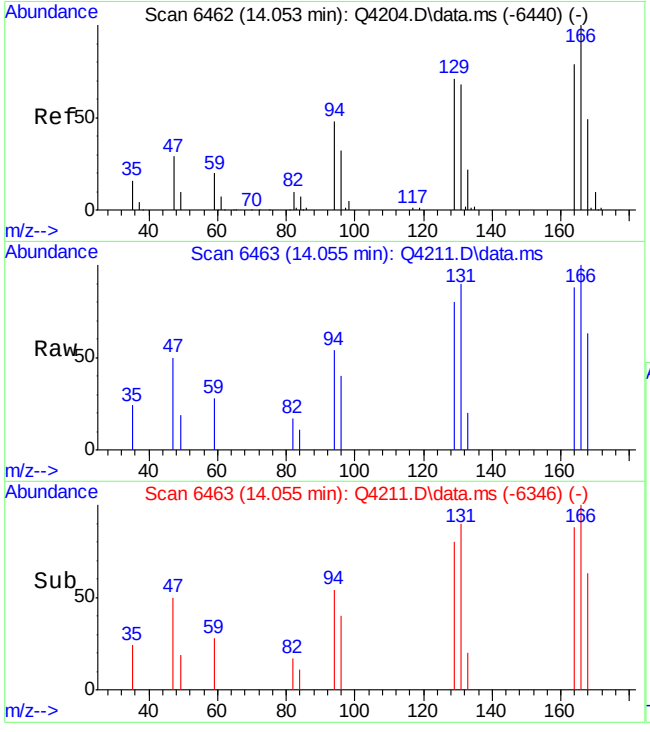


#46
TOLUENE
Concen: 2.37 PPBV
RT: 12.921 min Scan# 5824
Delta R.T. 0.000 min
Lab File: Q4211.D
Acq: 8 Aug 2007 11:12 am

Tgt Ion: 92 Resp: 64322

Ion	Ratio	Lower	Upper
92	100		
91	174.7	152.4	192.4
65	23.4	0.6	40.6

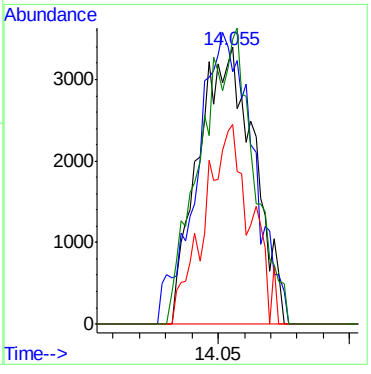


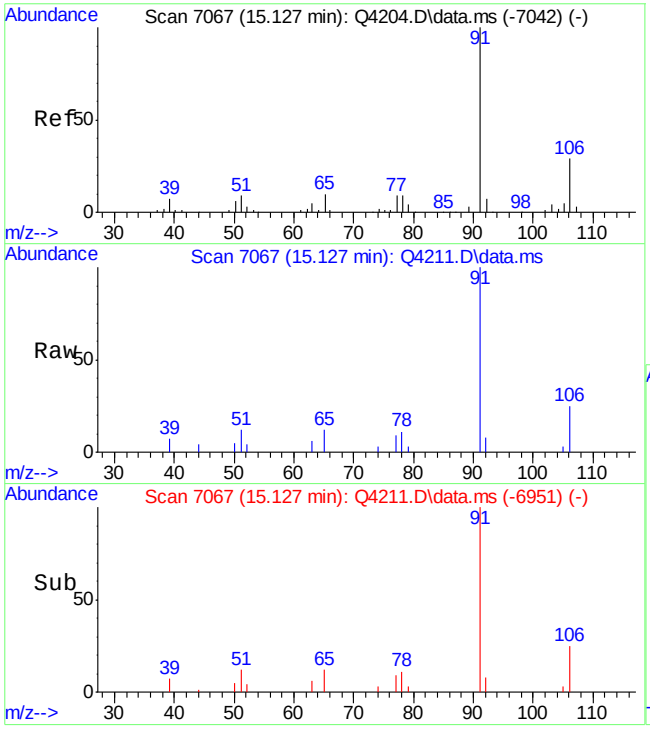


#51
TETRACHLOROETHYLENE
Concen: 0.20 PPBV
RT: 14.055 min Scan# 6463
Delta R.T. 0.002 min
Lab File: Q4211.D
Acq: 8 Aug 2007 11:12 am

Tgt Ion:164 Resp: 5010

Ion	Ratio	Lower	Upper
164	100		
129	106.1	71.2	111.2
168	59.5	42.6	82.6
131	102.0	69.2	109.2

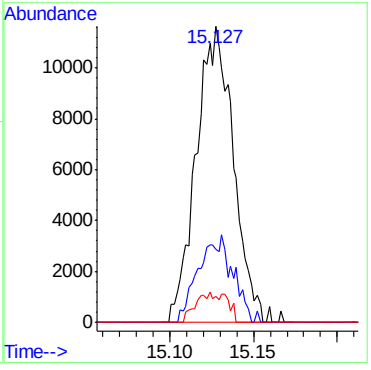


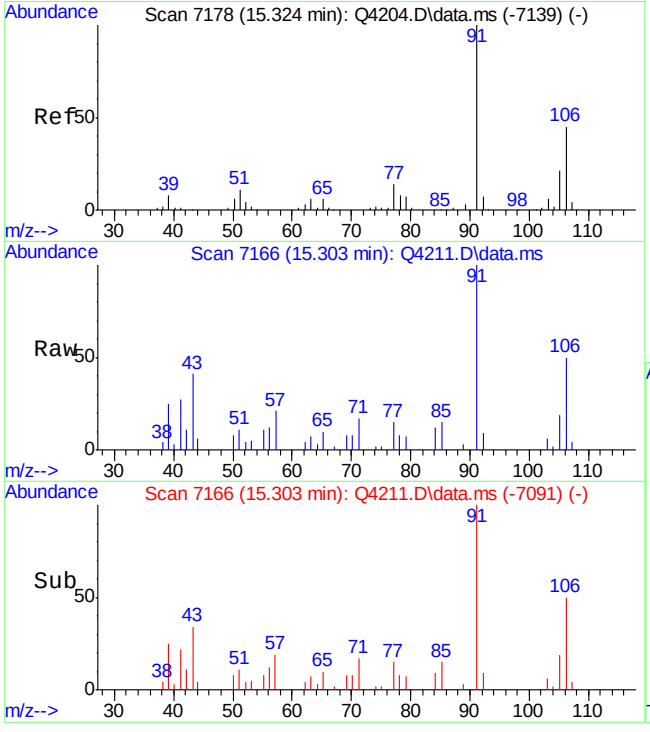


#55
ETHYLBENZENE
Concen: 0.33 PPBV
RT: 15.127 min Scan# 7067
Delta R.T. 0.000 min
Lab File: Q4211.D
Acq: 8 Aug 2007 11:12 am

Tgt Ion: 91 Resp: 18079

Ion	Ratio	Lower	Upper
91	100		
106	26.9	9.0	49.0
77	8.4	0.0	29.3

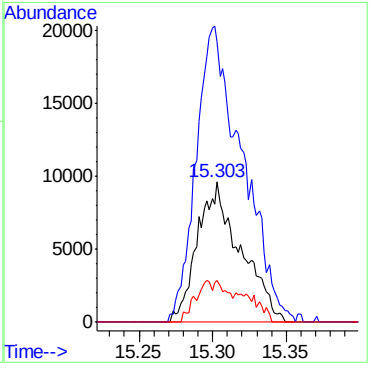


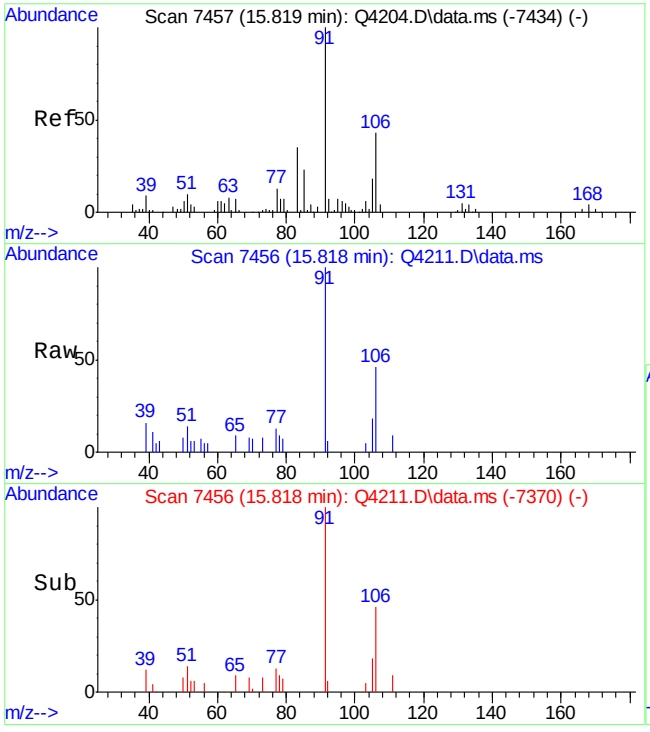


#56
m,p-XYLENE
Concen: 0.98 PPBV
RT: 15.303 min Scan# 7166
Delta R.T. -0.021 min
Lab File: Q4211.D
Acq: 8 Aug 2007 11:12 am

Tgt Ion:106 Resp: 19531

Ion	Ratio	Lower	Upper
106	100		
91	199.9	178.0	267.0
77	29.5	24.9	37.3

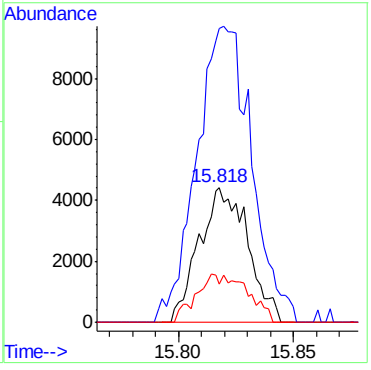


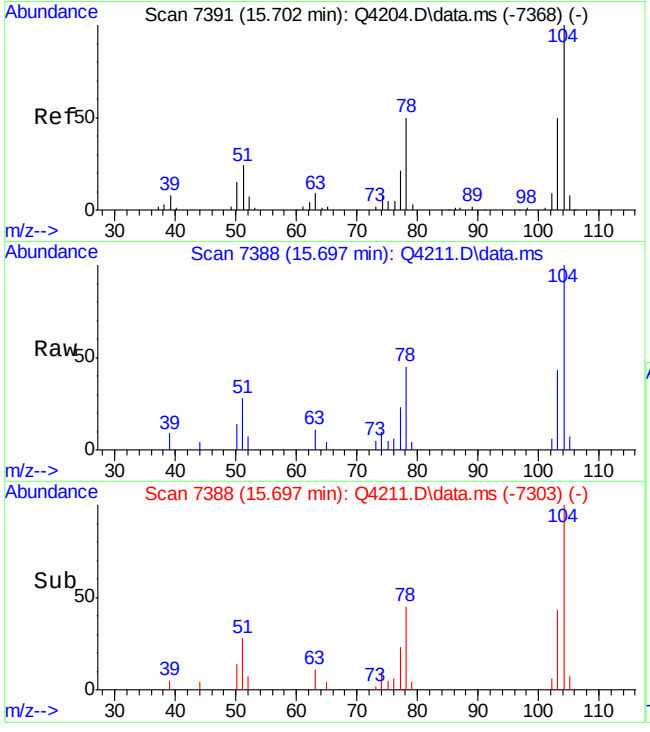


#57
o-XYLENE
Concen: 0.33 PPBV
RT: 15.818 min Scan# 7456
Delta R.T. -0.002 min
Lab File: Q4211.D
Acq: 8 Aug 2007 11:12 am

Tgt Ion:106 Resp: 6487

Ion	Ratio	Lower	Upper
106	100		
91	248.9	218.7	258.7
77	37.6	10.3	50.3

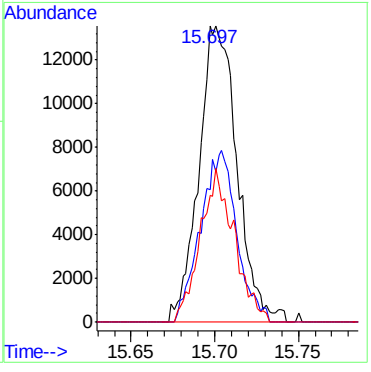


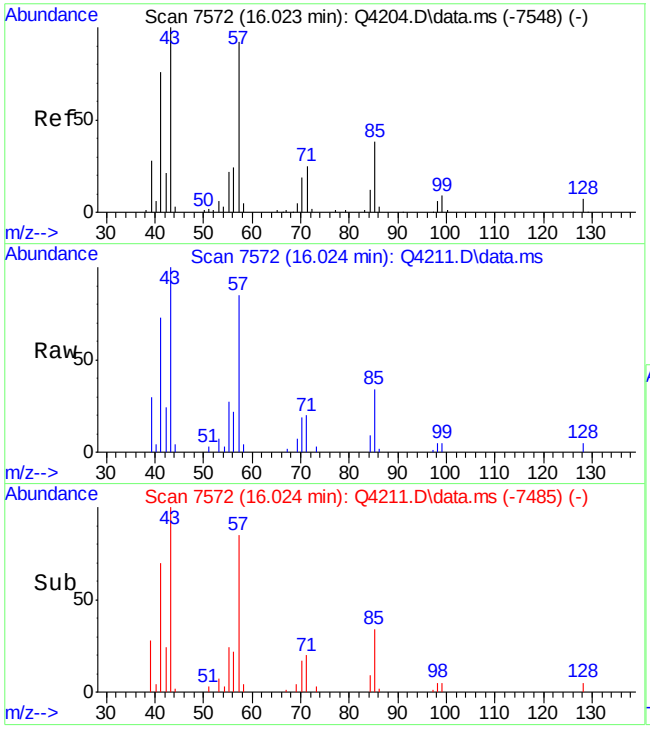


#58
STYRENE
Concen: 0.89 PPBV
RT: 15.697 min Scan# 7388
Delta R.T. -0.005 min
Lab File: Q4211.D
Acq: 8 Aug 2007 11:12 am

Tgt Ion:104 Resp: 21576

Ion	Ratio	Lower	Upper
104	100		
78	54.9	30.8	70.8
103	46.0	28.1	68.1

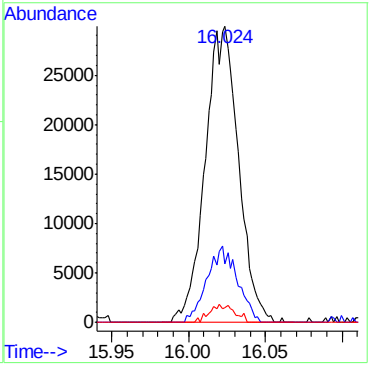


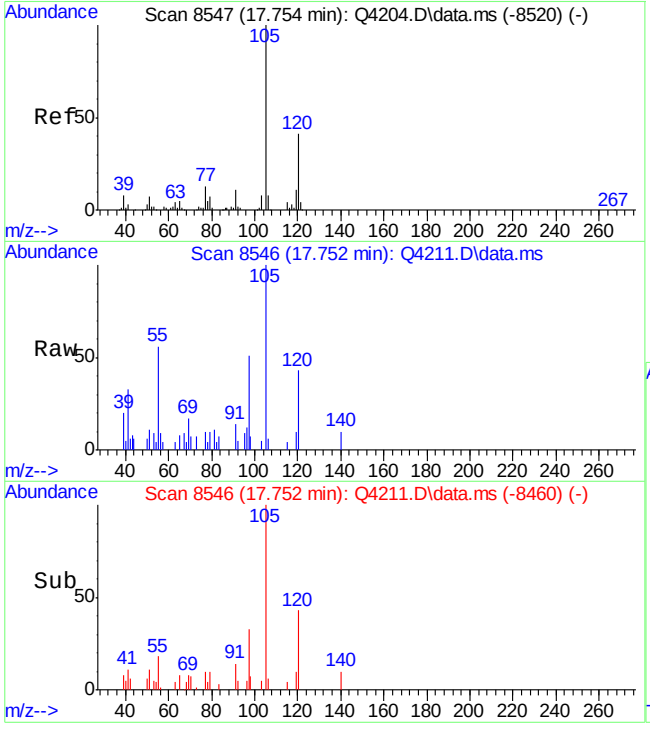


#59
NONANE
Concen: 1.88 PPBV
RT: 16.024 min Scan# 7572
Delta R.T. 0.000 min
Lab File: Q4211.D
Acq: 8 Aug 2007 11:12 am

Tgt Ion: 43 Resp: 45292

Ion	Ratio	Lower	Upper
43	100		
71	23.3	4.8	44.8
128	4.4	0.0	26.7

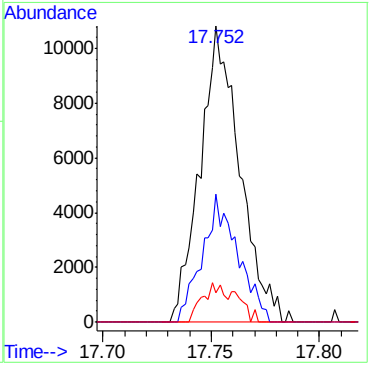


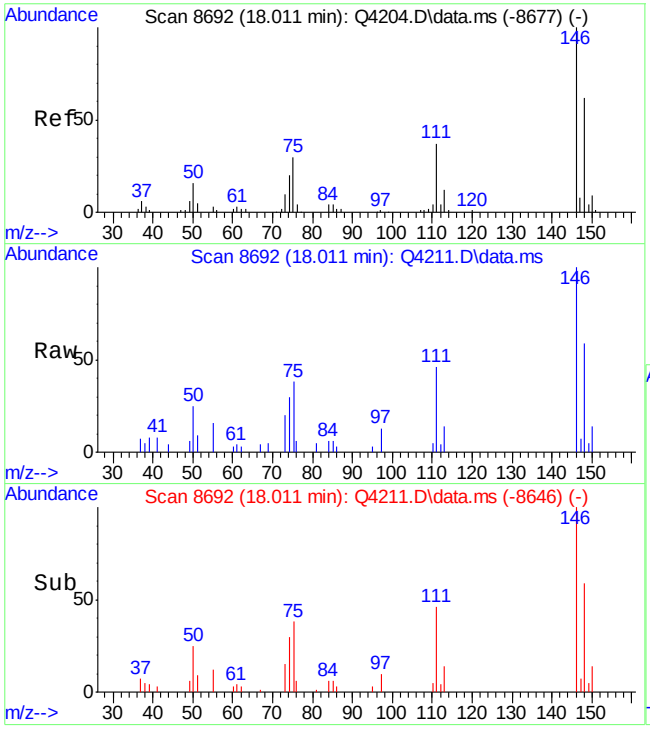


#67
1,2,4-TRIMETHYLBENZENE
Concen: 0.30 PPBV
RT: 17.752 min Scan# 8546
Delta R.T. -0.002 min
Lab File: Q4211.D
Acq: 8 Aug 2007 11:12 am

Tgt Ion:105 Resp: 13794

Ion	Ratio	Lower	Upper
105	100		
120	38.3	21.5	61.5
119	11.1	0.0	31.2

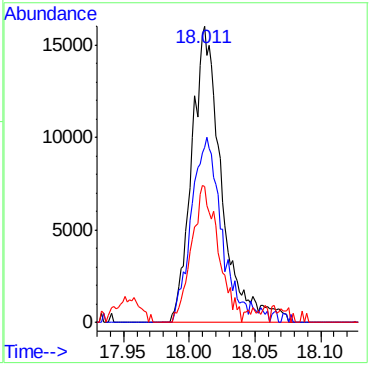




#70
p-DICHLOROBENZENE
Concen: 0.87 PPBV
RT: 18.011 min Scan# 8692
Delta R.T. 0.000 min
Lab File: Q4211.D
Acq: 8 Aug 2007 11:12 am

Tgt Ion:146 Resp: 25336

Ion	Ratio	Lower	Upper
146	100		
148	64.8	43.9	83.9
111	41.4	17.0	57.0



6.1.1

6

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\
Data File : Q4210.D
Acq On : 8 Aug 2007 10:21 am
Operator : danat
Sample : mb (M103)
Misc : MS14034, MSQ223,,,,,1
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Aug 09 11:44:46 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	8.632	128	126359	10.00	PPBV	0.00
35) 1,4-DIFLUOROBENZENE	10.460	114	547055	10.00	PPBV	0.00
49) CHLOROBENZENE-D5	14.701	117	464410	10.00	PPBV	0.00

System Monitoring Compounds

61) 4-BROMOFLUOROBENZENE	16.322	95	167885	4.47	PPBV	0.00

Spiked Amount 5.000 Range 57 - 139 Recovery = 89.40%

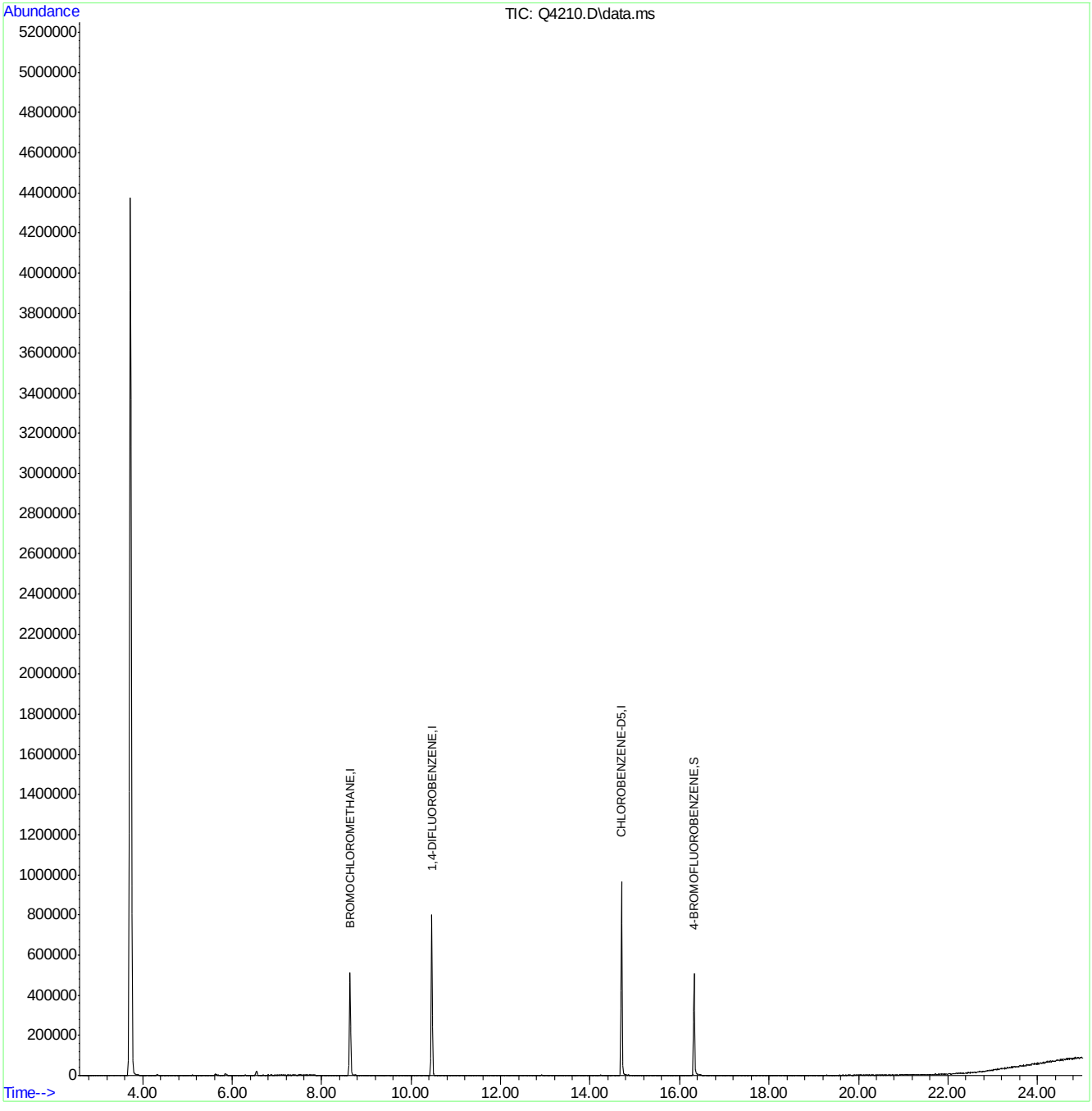
Target Compounds	Qvalue

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

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\
Data File : Q4210.D
Acq On : 8 Aug 2007 10:21 am
Operator : danat
Sample : mb (M103)
Misc : MS14034, MSQ223,,,,,1
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Aug 09 11:44:46 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 (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%

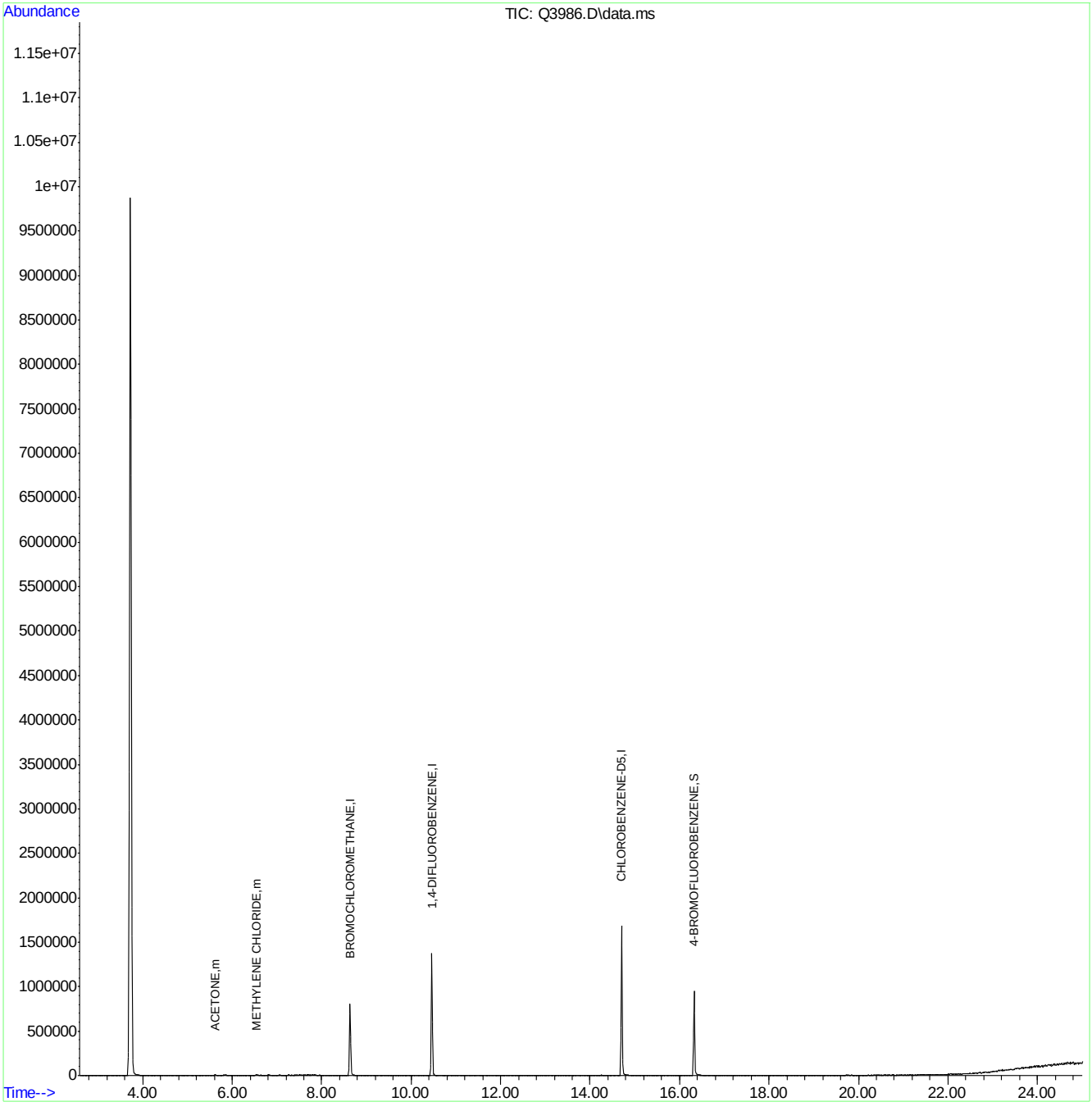
Target Compounds						Qvalue
12) ACETONE	5.620	43	7736	0.42	PPBV	95
18) METHYLENE CHLORIDE	6.539	84	2404	0.34	PPBV #	75

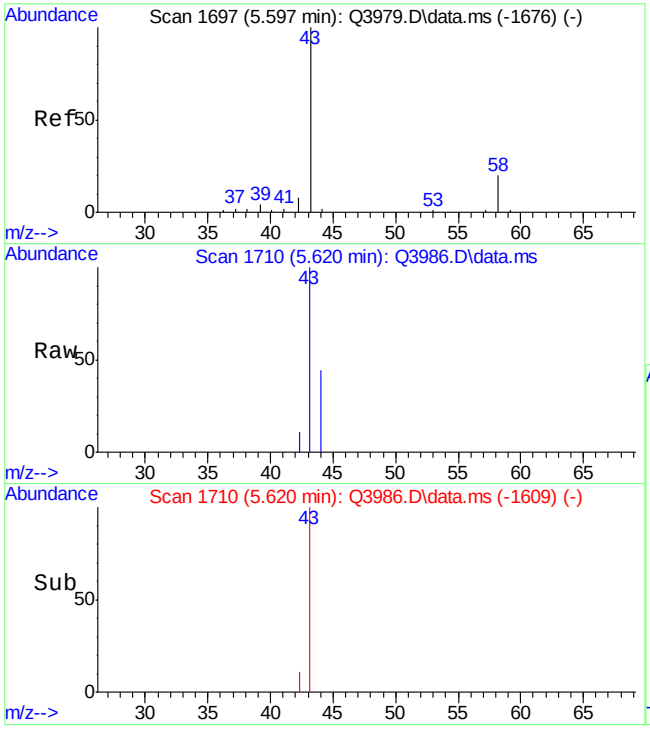
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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

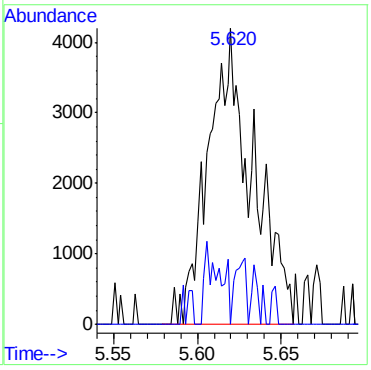


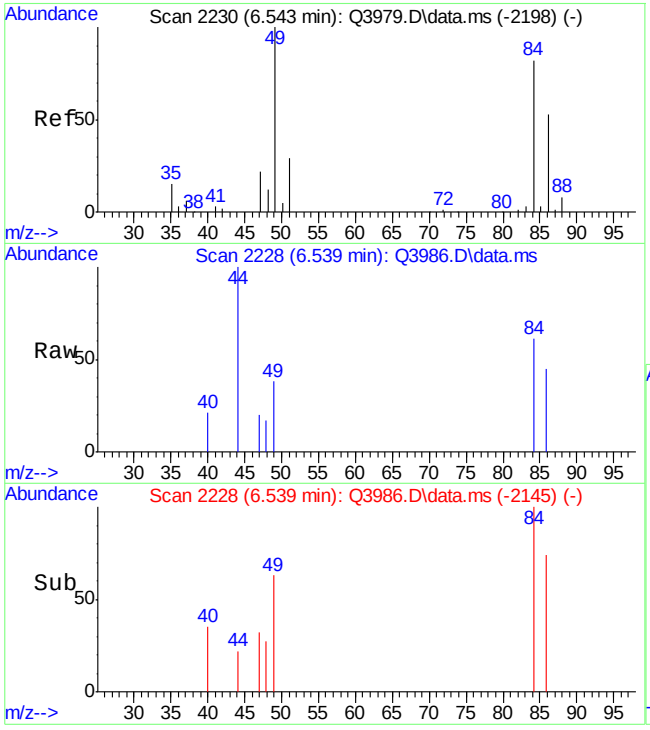


#12
ACETONE
Concen: 0.42 PPBV
RT: 5.620 min Scan# 1710
Delta R.T. 0.024 min
Lab File: Q3986.D
Acq: 17 Jul 2007 10:09 am

Tgt Ion: 43 Resp: 7736

Ion	Ratio	Lower	Upper
43	100		
58	21.5	4.0	44.0

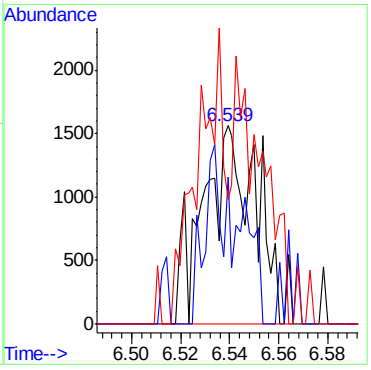




#18
METHYLENE CHLORIDE
Concen: 0.34 PPBV
RT: 6.539 min Scan# 2228
Delta R.T. -0.003 min
Lab File: Q3986.D
Acq: 17 Jul 2007 10:09 am

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



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 : Q4209b.D
Acq On : 8 Aug 2007 9:36 am
Operator : danat
Sample : bs (M164)
Misc : MS14034, MSQ223,,,,,1
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Aug 09 11:43:24 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 : Q4209b.D
Acq On : 8 Aug 2007 9:36 am
Operator : danat
Sample : bs (M164)
Misc : MS14034, MSQ223,,,,,1
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Aug 09 11:43:24 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

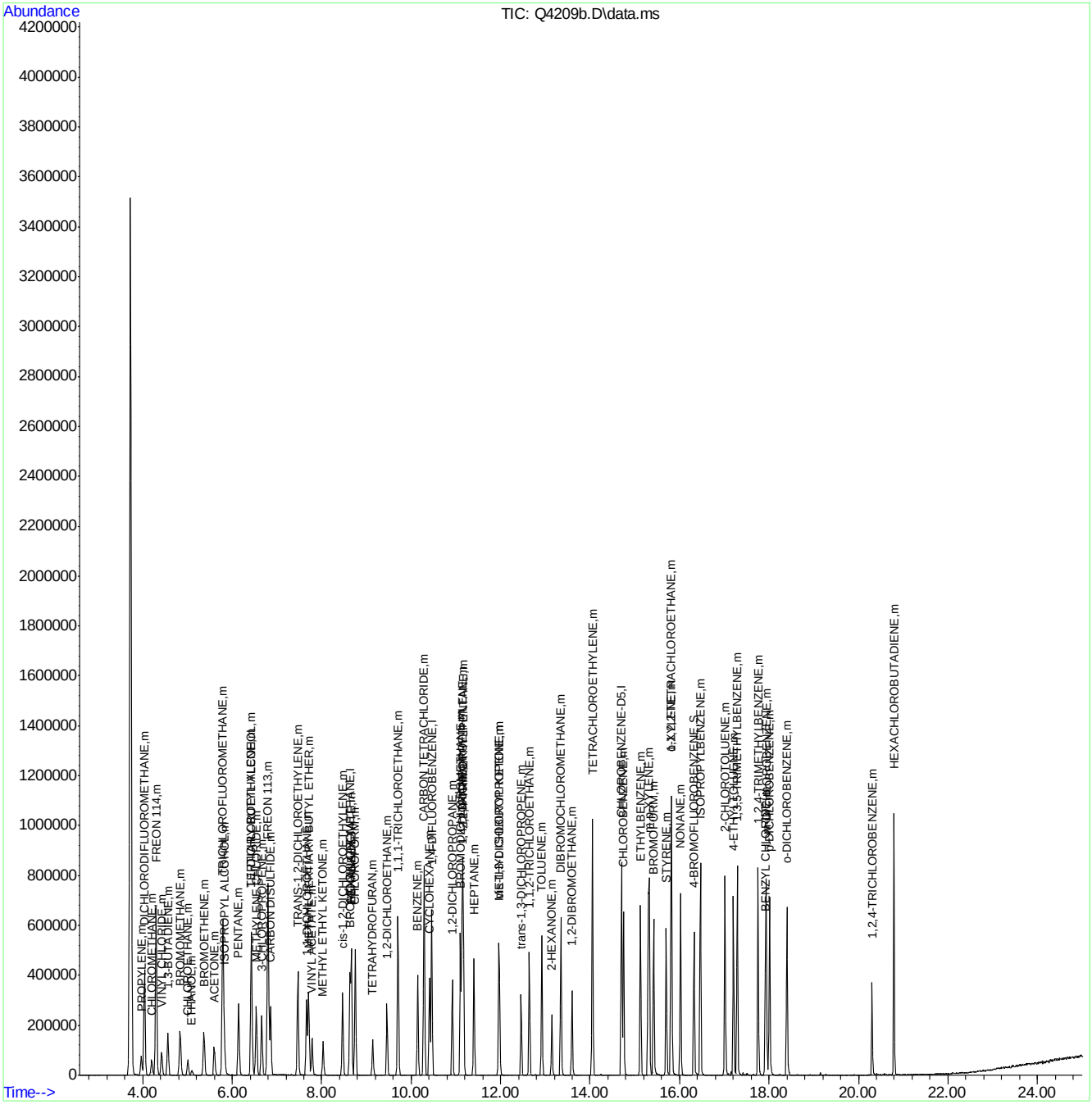
Internal Standards	R.T.	QIon	Response	Conc Units	Dev(Min)
44) METHYL ISOBUTYL KETONE	11.974	43	175875	11.00 PPBV	95
45) cis-1,3-DICHLOROPROPENE	11.959	75	175375	12.45 PPBV	95
46) TOLUENE	12.920	92	202549	10.33 PPBV	97
47) trans-1,3-DICHLOROPROPENE	12.458	75	145431	11.37 PPBV	94
48) 1,1,2-TRICHLOROETHANE	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	272571m	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 : Q4209b.D
Acq On : 8 Aug 2007 9:36 am
Operator : danat
Sample : bs (M164)
Misc : MS14034, MSQ223,,,,,1
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Aug 09 11:43:24 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

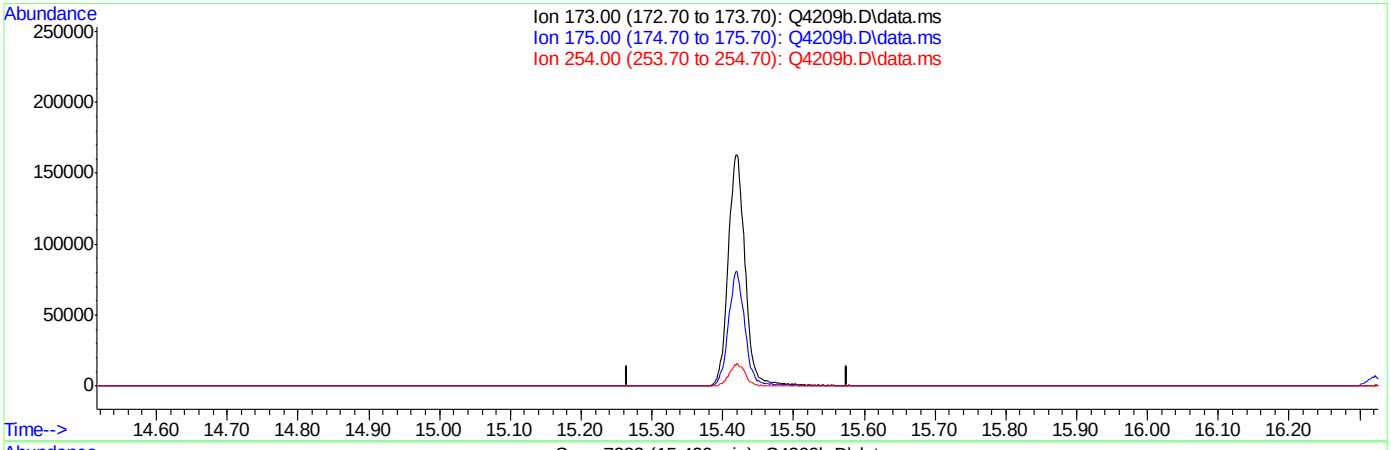


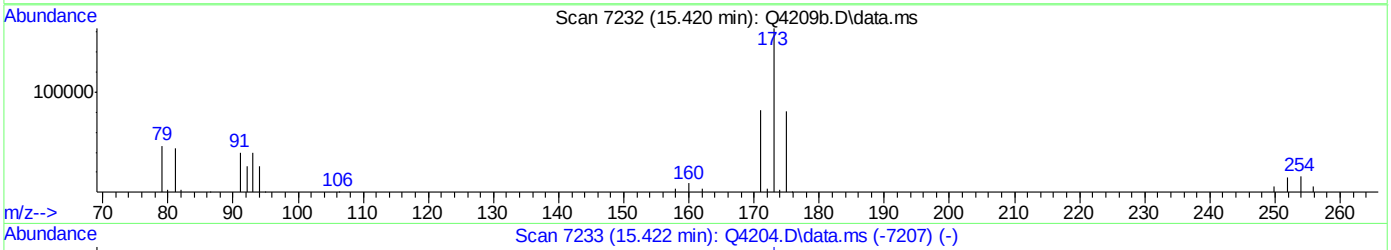
ACCUTEST Laboratories M66579

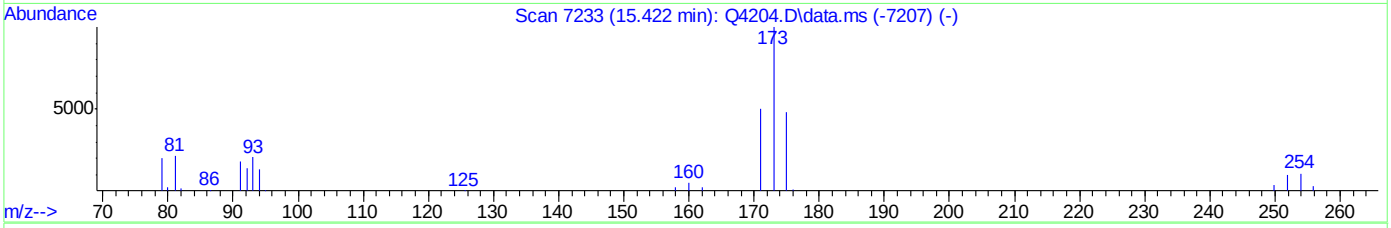
Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\
Data File : Q4209b.D
Acq On : 8 Aug 2007 9:36 am
Operator : danat
Sample : bs (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: Q4209b.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 : Q4209b.D
Acq On    :  8 Aug 2007   9:36 am
Operator  : danat
Sample    : bs (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
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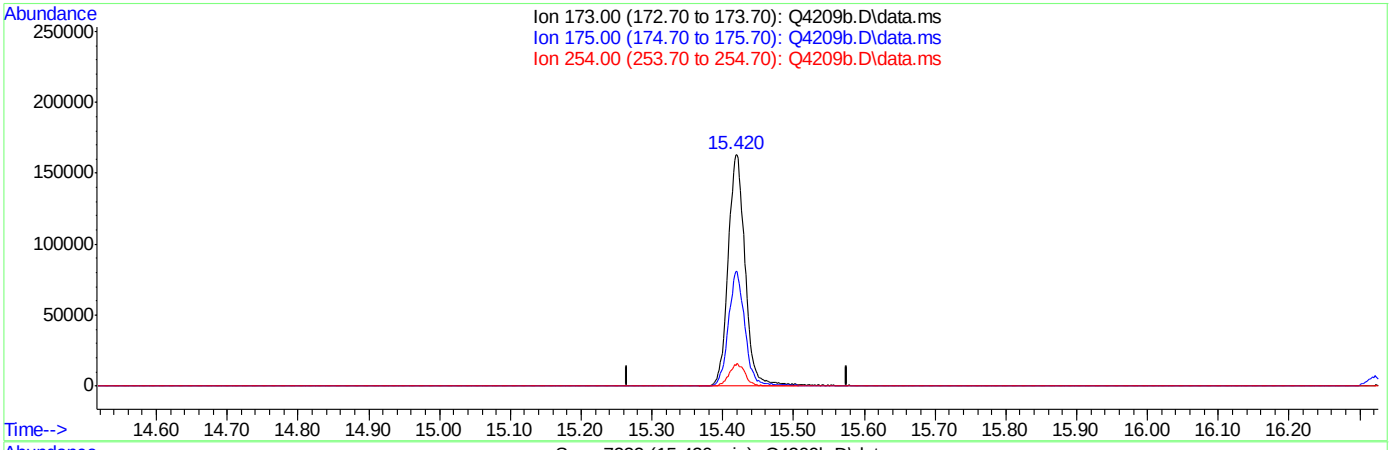
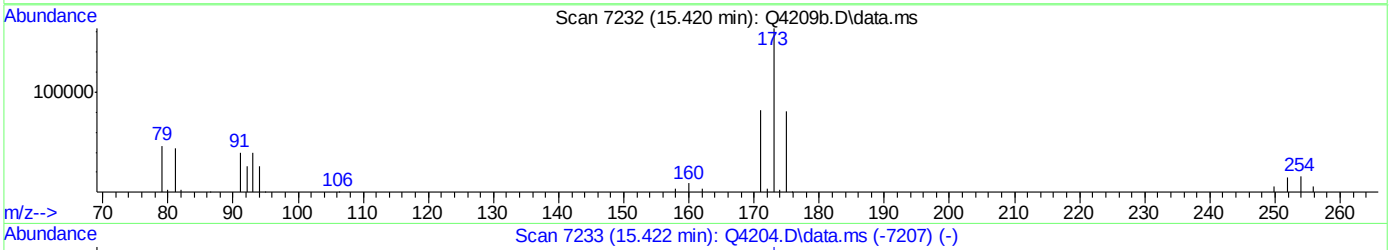
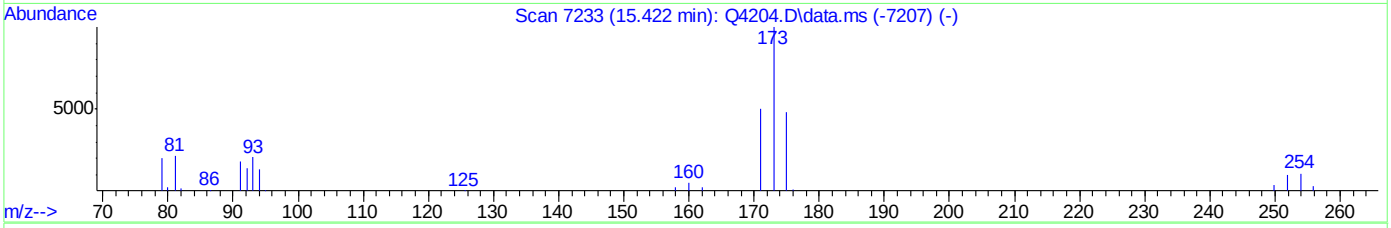






TIC: Q4209b.D\data.ms

(60) BROMOFORM (m)

15.420min (-0.001) 10.32PPBV m

response 272571

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 : 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

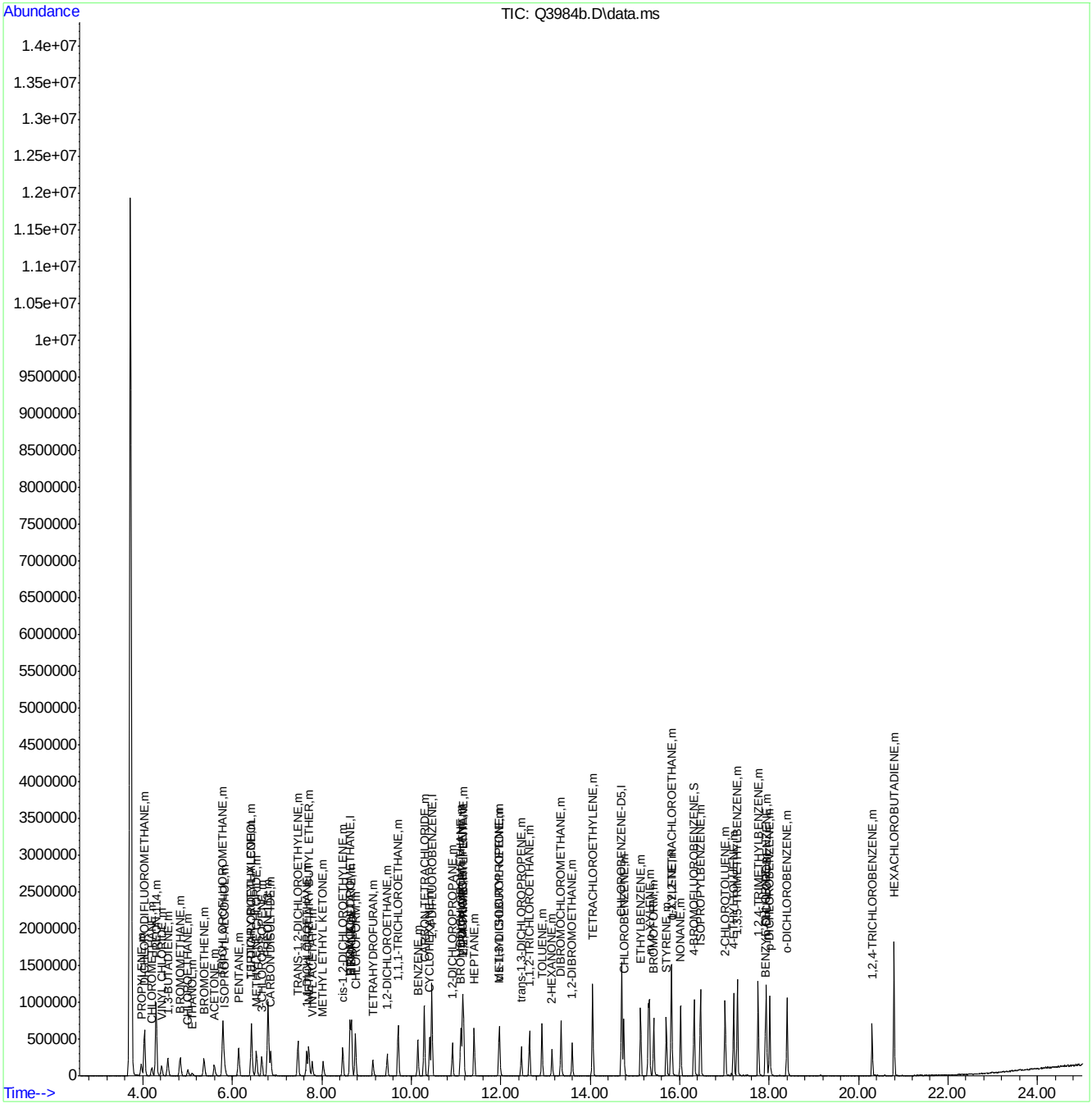
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) METHYL ISOBUTYL KETONE	11.979	43	283781	9.50	PPBV	97
45) cis-1,3-DICHLOROPROPENE	11.961	75	217279	10.07	PPBV	96
46) TOLUENE	12.923	92	266117	8.86	PPBV	100
47) trans-1,3-DICHLOROPROPENE	12.463	75	174783	8.86	PPBV	97
48) 1,1,2-TRICHLOROETHANE	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 : Q4212.D
Acq On : 8 Aug 2007 11:59 am
Operator : danat
Sample : m66579-1dup (M088)
Misc : MS14030, MSQ223,,,,,1
ALS Vial : 5 Sample Multiplier: 1

Quant Time: Aug 09 11:52:10 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	8.628	128	136687	10.00	PPBV	0.00
35) 1,4-DIFLUOROBENZENE	10.458	114	617006	10.00	PPBV	0.00
49) CHLOROBENZENE-D5	14.703	117	533803	10.00	PPBV	0.00

System Monitoring Compounds

61) 4-BROMOFLUOROBENZENE	16.323	95	210266	4.87	PPBV	0.00

Spiked Amount 5.000 Range 57 - 139 Recovery = 97.40%

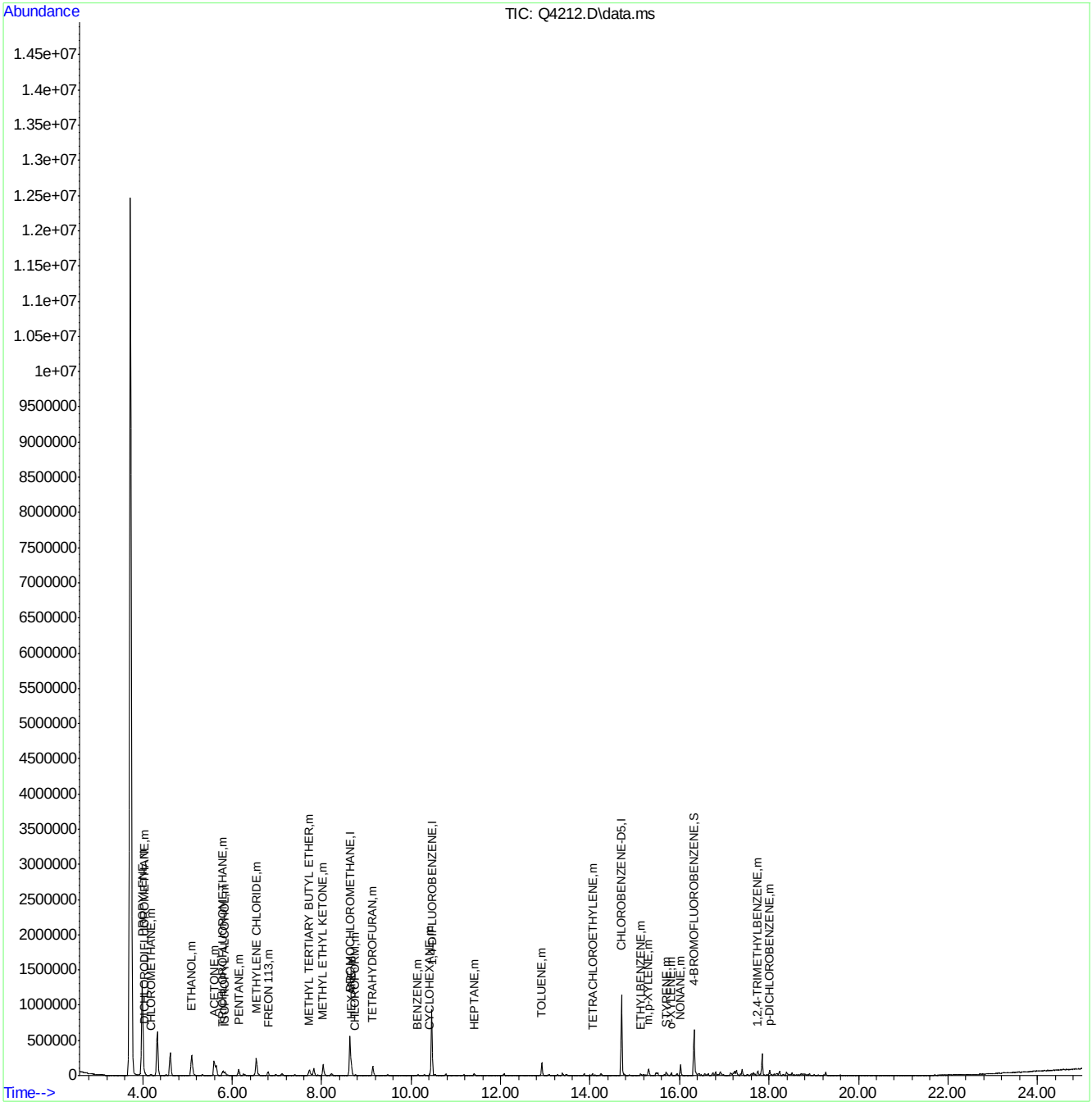
Target Compounds						Qvalue
2) DICHLORODIFLUOROMETHANE	4.035	85	39699	0.51	PPBV	99
3) PROPYLENE	3.987	41	432039	46.62	PPBV #	39
5) CHLOROMETHANE	4.196	50	8715	0.61	PPBV	92
10) TRICHLOROFLUOROMETHANE	5.792	101	63829	0.85	PPBV	100
11) ISOPROPYL ALCOHOL	5.827	45	74249	3.24	PPBV	87
12) ACETONE	5.595	43	380610	18.35	PPBV	97
13) PENTANE	6.143	42	36767	2.32	PPBV	95
16) ETHANOL	5.091	45	417697	93.35	PPBV	96
18) METHYLENE CHLORIDE	6.536	84	119061	6.49	PPBV	90
20) FREON 113	6.793	151	16999	0.42	PPBV #	73
23) METHYL TERTIARY BUTYL ...	7.710	73	28757	0.75	PPBV #	67
24) TETRAHYDROFURAN	9.143	42	66522	7.89	PPBV	87
25) HEXANE	8.667	57	47971	2.21	PPBV	99
28) METHYL ETHYL KETONE	8.032	43	198256	9.36	PPBV	95
31) CHLOROFORM	8.751	83	7196	0.16	PPBV	100
36) BENZENE	10.145	78	15831	0.40	PPBV	95
37) CYCLOHEXANE	10.408	84	7603	0.43	PPBV	91
43) HEPTANE	11.407	43	8632	0.44	PPBV	91
46) TOLUENE	12.919	92	65318	2.41	PPBV	97
51) TETRACHLOROETHYLENE	14.054	164	5036	0.21	PPBV	89
55) ETHYLBENZENE	15.127	91	17913	0.33	PPBV	99
56) m,p-XYLENE	15.301	106	19841	0.99	PPBV	77
57) o-XYLENE	15.823	106	6853	0.35	PPBV	96
58) STYRENE	15.701	104	21456	0.89	PPBV	97
59) NONANE	16.022	43	45869	1.91	PPBV	95
67) 1,2,4-TRIMETHYLBENZENE	17.754	105	14129	0.30	PPBV	97
70) p-DICHLOROBENZENE	18.011	146	25529	0.88	PPBV	96

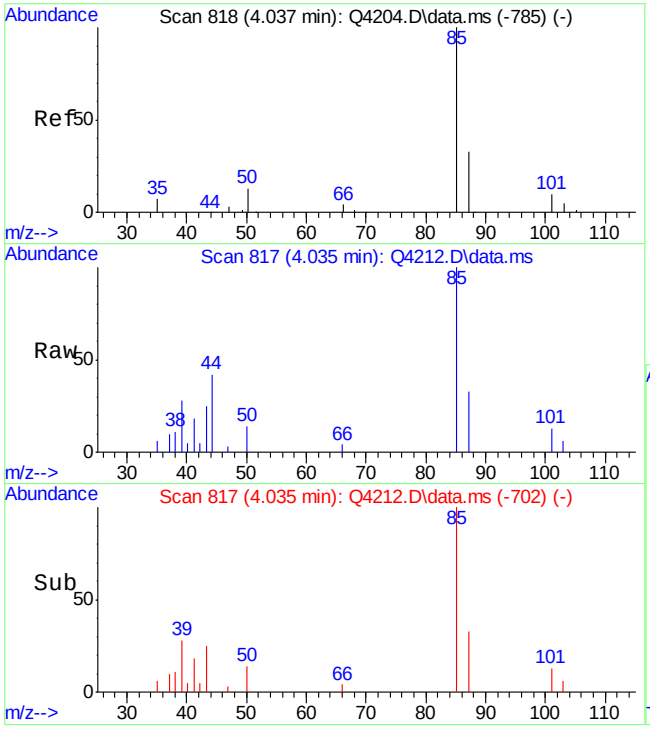
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\
Data File : Q4212.D
Acq On : 8 Aug 2007 11:59 am
Operator : danat
Sample : m66579-1dup (M088)
Misc : MS14030, MSQ223,,,,,1
ALS Vial : 5 Sample Multiplier: 1

Quant Time: Aug 09 11:52:10 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

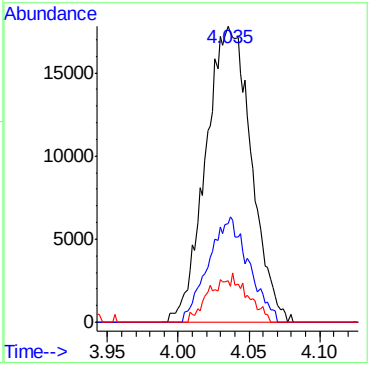


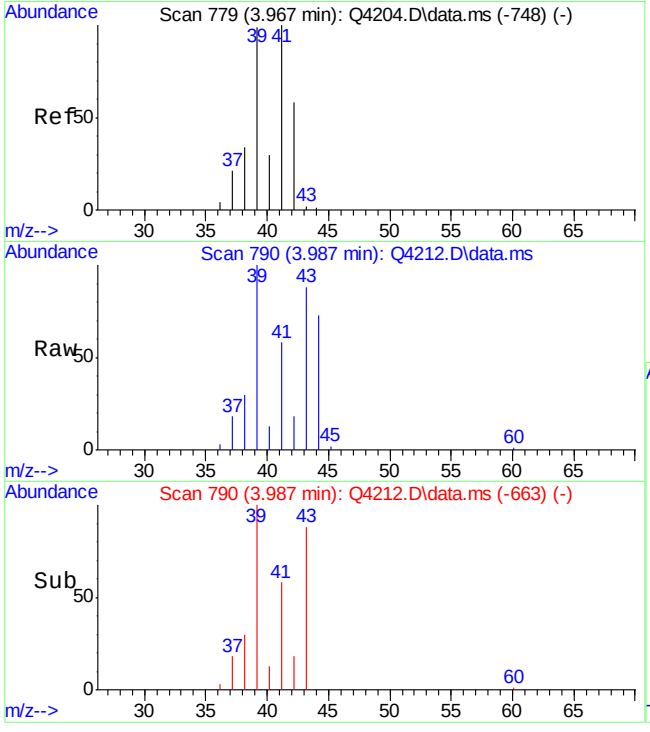


#2
DICHLORODIFLUOROMETHANE
Concen: 0.51 PPBV
RT: 4.035 min Scan# 817
Delta R.T. -0.002 min
Lab File: Q4212.D
Acq: 8 Aug 2007 11:59 am

Tgt Ion: 85 Resp: 39699

Ion	Ratio	Lower	Upper
85	100		
87	31.6	12.4	52.4
50	13.5	0.0	33.0

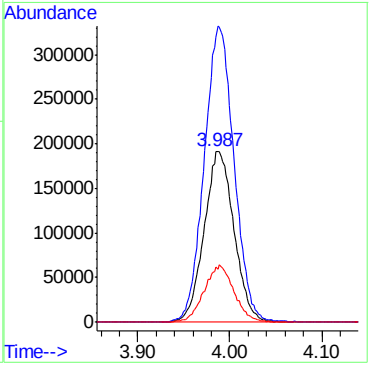


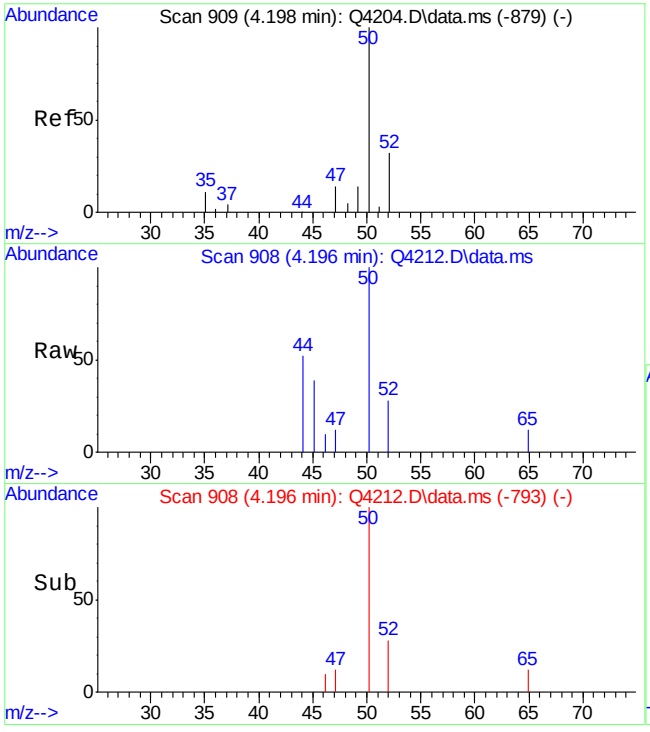


#3
PROPYLENE
Concen: 46.62 PPBV
RT: 3.987 min Scan# 790
Delta R.T. 0.020 min
Lab File: Q4212.D
Acq: 8 Aug 2007 11:59 am

Tgt Ion: 41 Resp: 432039

Ion	Ratio	Lower	Upper
41	100		
39	173.3	78.5	118.5#
42	30.8	38.1	78.1#

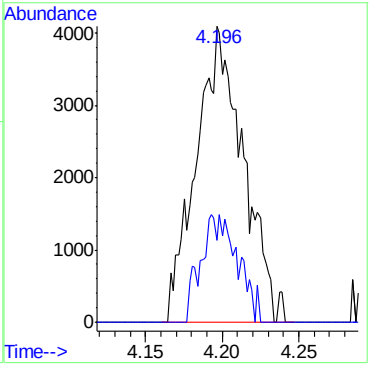


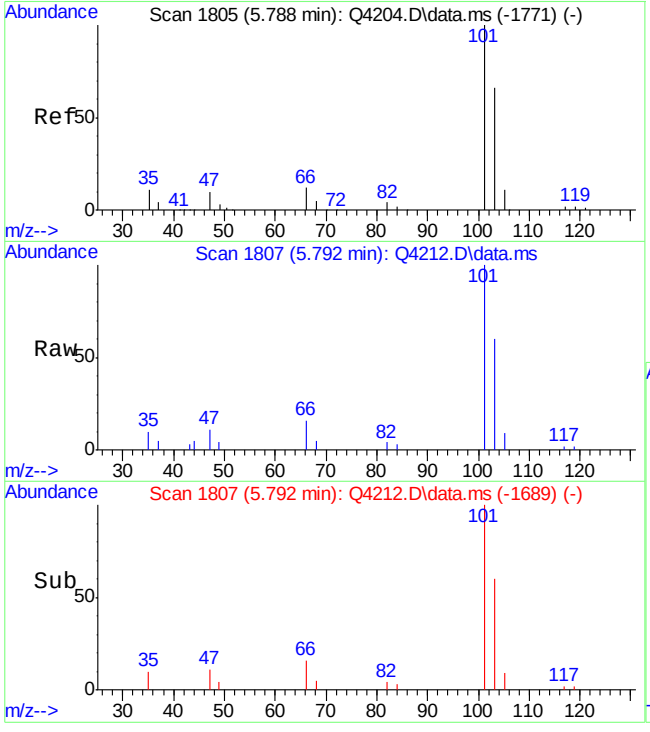


#5
CHLOROMETHANE
Concen: 0.61 PPBV
RT: 4.196 min Scan# 908
Delta R.T. -0.002 min
Lab File: Q4212.D
Acq: 8 Aug 2007 11:59 am

Tgt Ion: 50 Resp: 8715

Ion	Ratio	Lower	Upper
50	100		
52	27.5	12.0	52.0

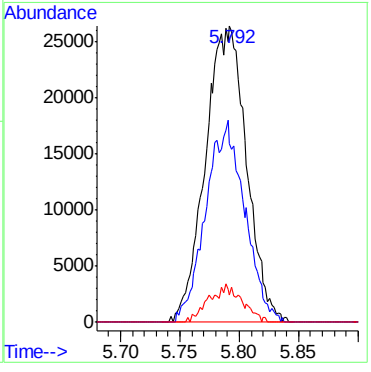


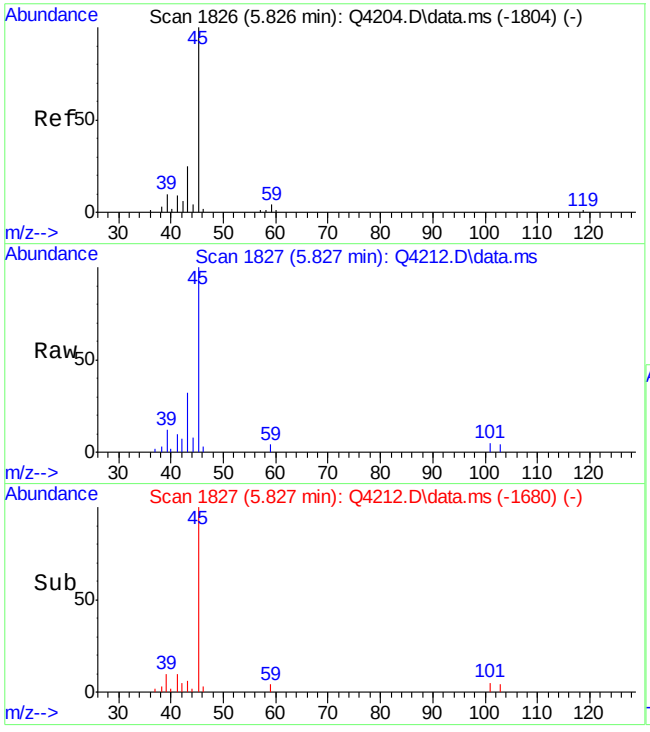


#10
TRICHLOROFLUOROMETHANE
Concen: 0.85 PPBV
RT: 5.792 min Scan# 1807
Delta R.T. 0.004 min
Lab File: Q4212.D
Acq: 8 Aug 2007 11:59 am

Tgt Ion:101 Resp: 63829

Ion	Ratio	Lower	Upper
101	100		
103	64.2	44.4	84.4
105	10.1	0.0	30.5

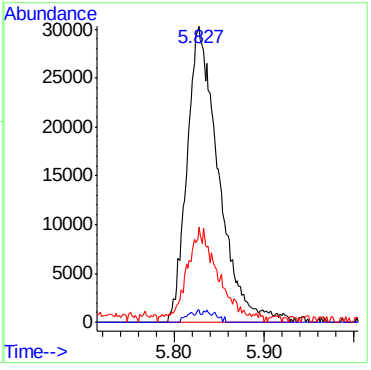


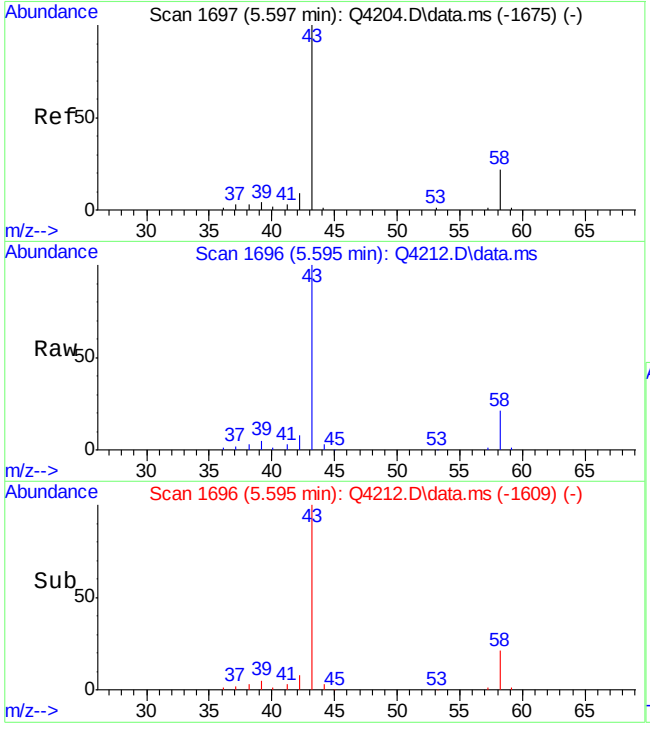


#11
ISOPROPYL ALCOHOL
Concen: 3.24 PPBV
RT: 5.827 min Scan# 1827
Delta R.T. 0.002 min
Lab File: Q4212.D
Acq: 8 Aug 2007 11:59 am

Tgt Ion: 45 Resp: 74249

Ion	Ratio	Lower	Upper
45	100		
59	4.3	0.0	23.7
43	32.1	4.9	44.9

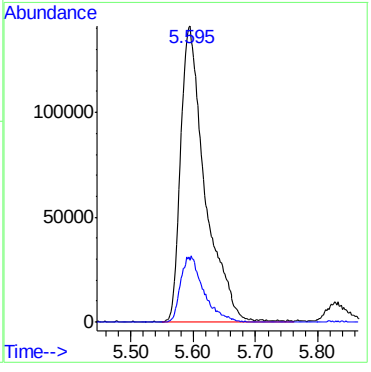


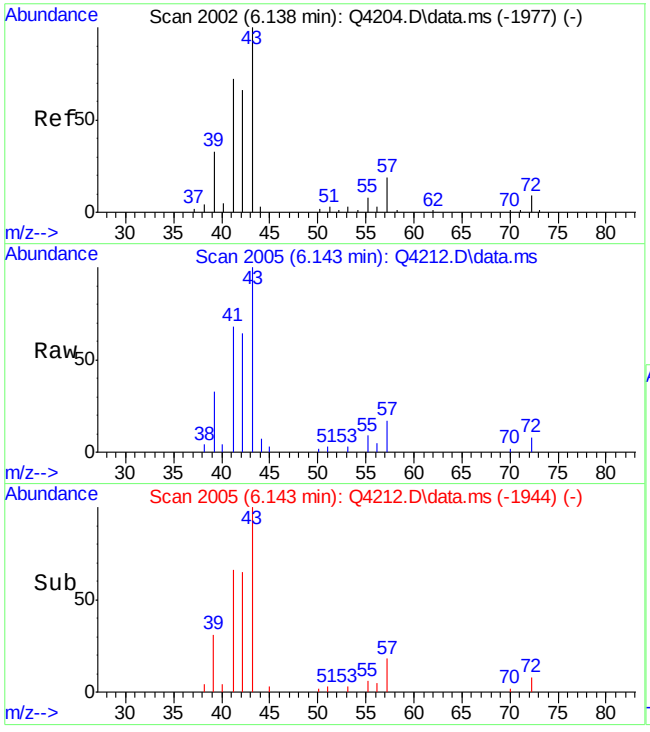


#12
ACETONE
Concen: 18.35 PPBV
RT: 5.595 min Scan# 1696
Delta R.T. -0.001 min
Lab File: Q4212.D
Acq: 8 Aug 2007 11:59 am

Tgt Ion: 43 Resp: 380610

Ion	Ratio	Lower	Upper
43	100		
58	20.8	2.0	42.0

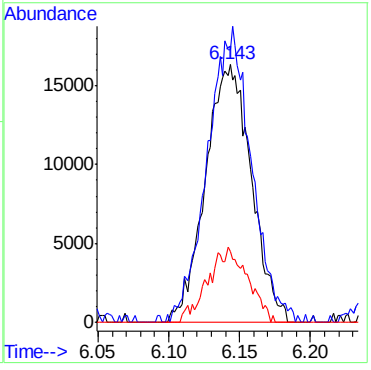


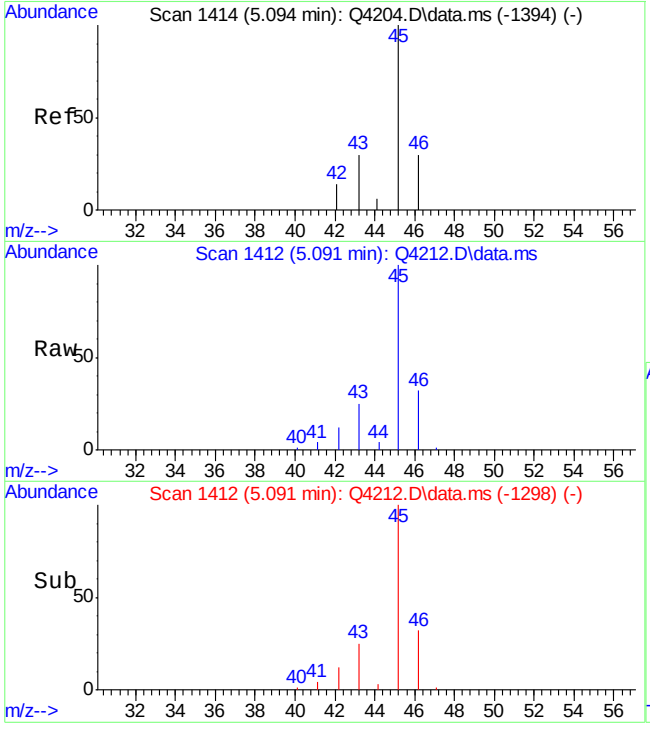


#13
PENTANE
Concen: 2.32 PPBV
RT: 6.143 min Scan# 2005
Delta R.T. 0.005 min
Lab File: Q4212.D
Acq: 8 Aug 2007 11:59 am

Tgt Ion: 42 Resp: 36767

Ion	Ratio	Lower	Upper
42	100		
41	110.1	94.9	134.9
57	25.3	7.9	47.9

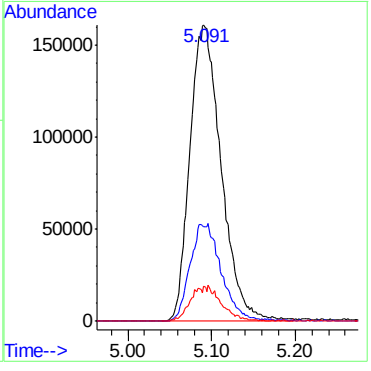


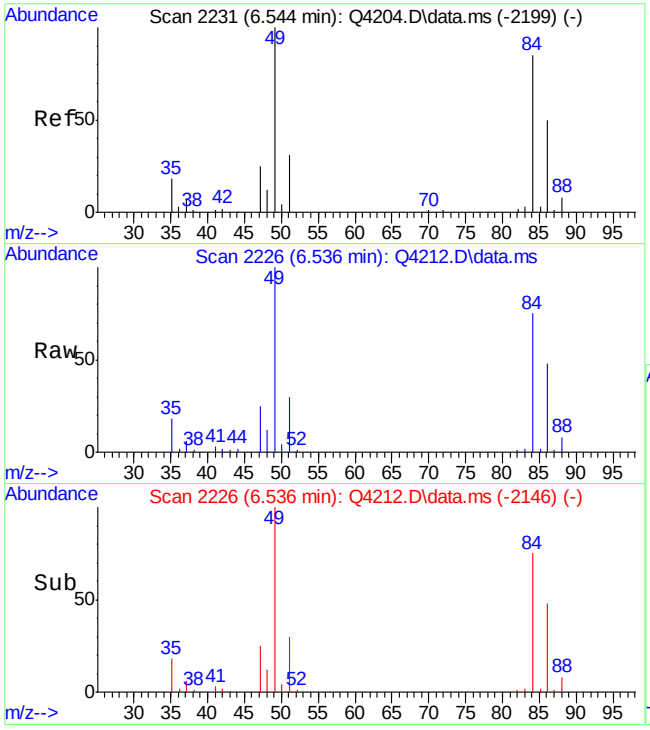


#16
ETHANOL
Concen: 93.35 PPBV
RT: 5.091 min Scan# 1412
Delta R.T. -0.003 min
Lab File: Q4212.D
Acq: 8 Aug 2007 11:59 am

Tgt Ion: 45 Resp: 417697

Ion	Ratio	Lower	Upper
45	100		
46	32.5	9.5	49.5
42	11.4	0.0	31.3

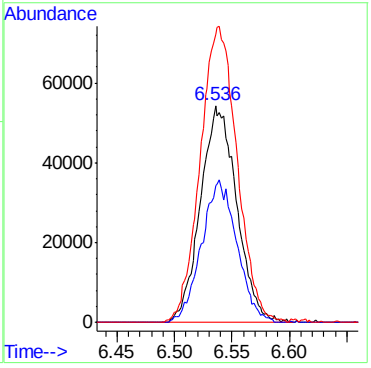


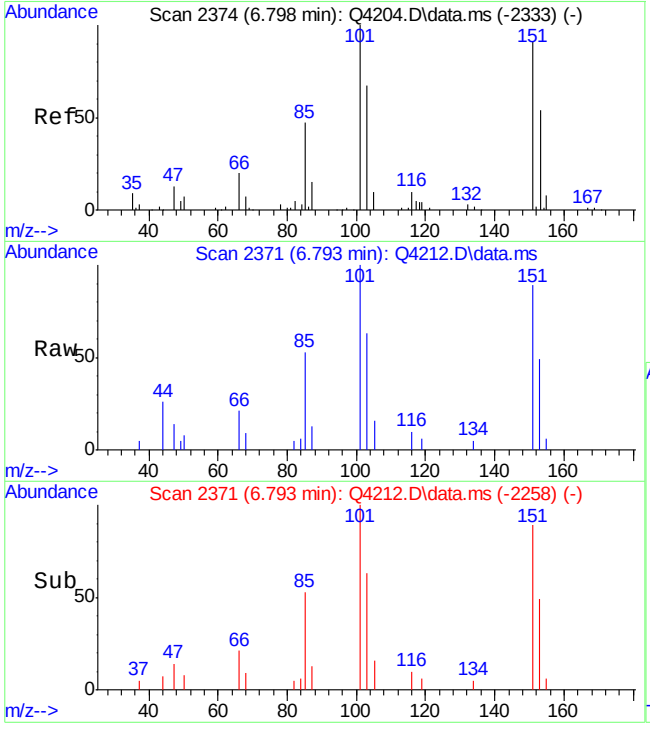


#18
METHYLENE CHLORIDE
Concen: 6.49 PPBV
RT: 6.536 min Scan# 2226
Delta R.T. -0.008 min
Lab File: Q4212.D
Acq: 8 Aug 2007 11:59 am

Tgt Ion: 84 Resp: 119061

Ion	Ratio	Lower	Upper
84	100		
86	64.0	44.7	84.7
49	139.4	0.0	322.6

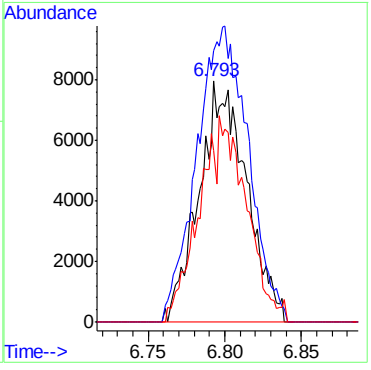


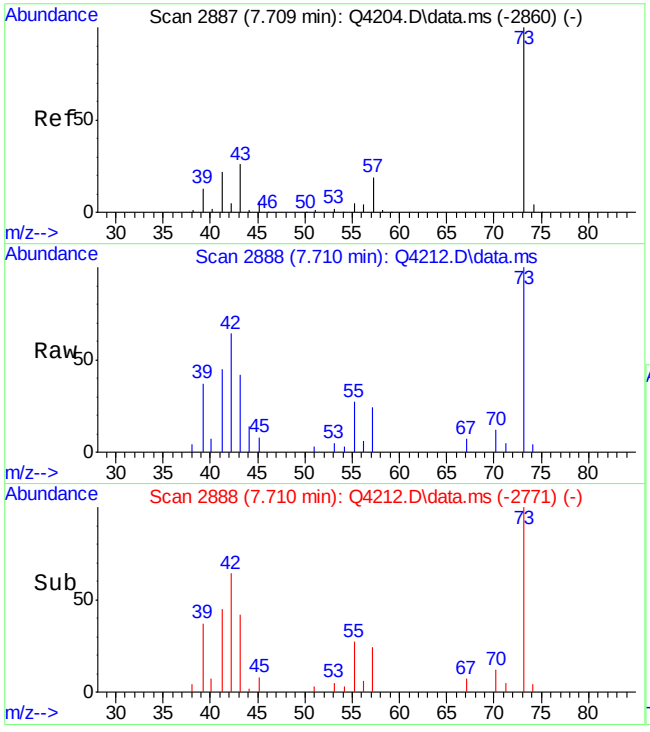


#20
FREON 113
Concen: 0.42 PPBV
RT: 6.793 min Scan# 2371
Delta R.T. -0.005 min
Lab File: Q4212.D
Acq: 8 Aug 2007 11:59 am

Tgt Ion:151 Resp: 16999

Ion	Ratio	Lower	Upper
151	100		
101	134.1	99.1	139.1
103	35.0	57.2	97.2#

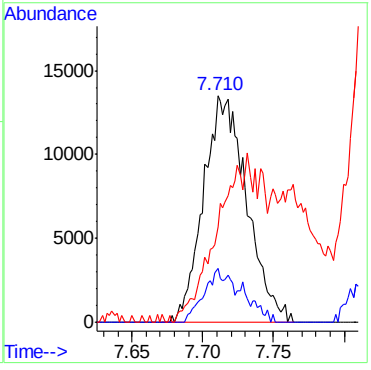


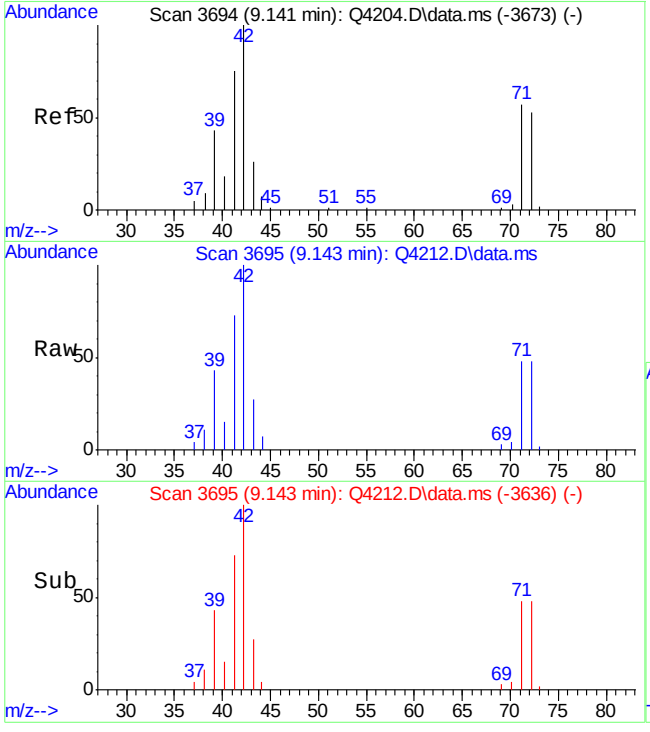


#23
METHYL TERTIARY BUTYL ETHER
Concen: 0.75 PPBV
RT: 7.710 min Scan# 2888
Delta R.T. 0.002 min
Lab File: Q4212.D
Acq: 8 Aug 2007 11:59 am

Tgt Ion: 73 Resp: 28757

Ion	Ratio	Lower	Upper
73	100		
57	20.6	0.0	38.0
43	0.0	6.4	46.4#

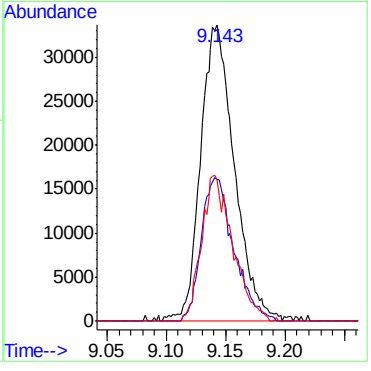


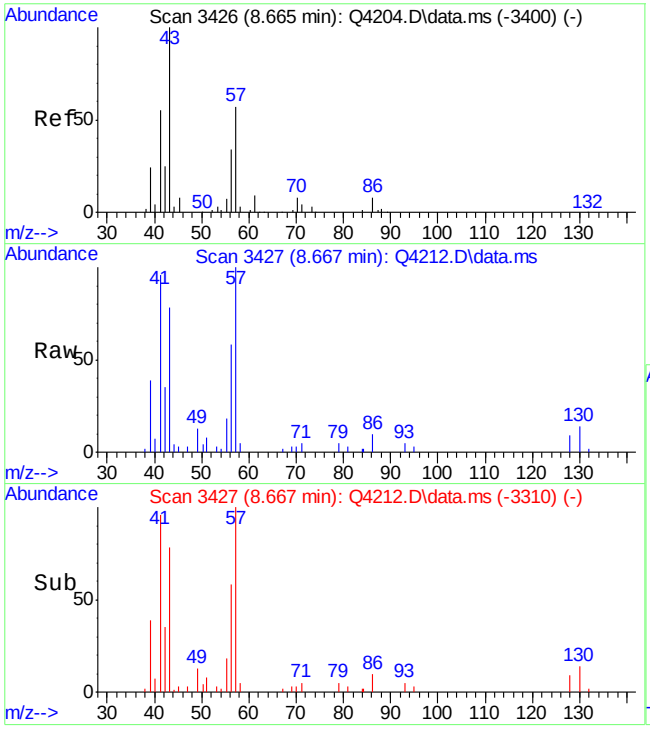


#24
TETRAHYDROFURAN
Concen: 7.89 PPBV
RT: 9.143 min Scan# 3695
Delta R.T. 0.002 min
Lab File: Q4212.D
Acq: 8 Aug 2007 11:59 am

Tgt Ion: 42 Resp: 66522

Ion	Ratio	Lower	Upper
42	100		
72	46.6	34.4	74.4
71	45.5	37.2	77.2

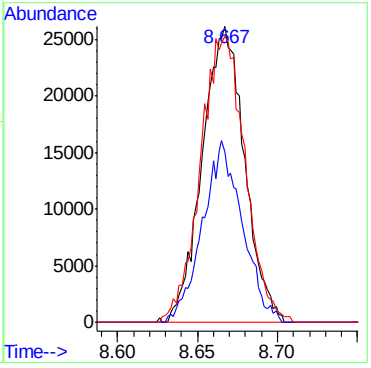


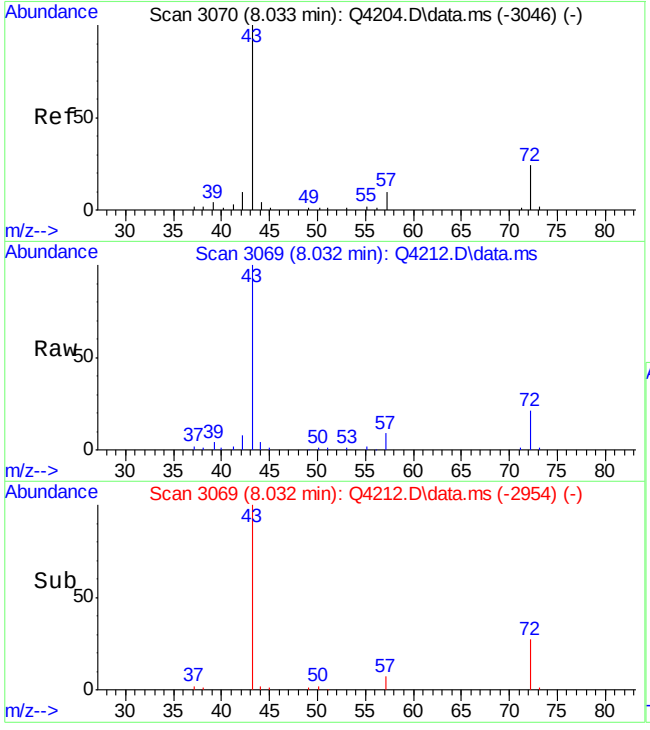


#25
HEXANE
Concen: 2.21 PPBV
RT: 8.667 min Scan# 3427
Delta R.T. 0.002 min
Lab File: Q4212.D
Acq: 8 Aug 2007 11:59 am

Tgt Ion: 57 Resp: 47971

Ion	Ratio	Lower	Upper
57	100		
56	57.6	38.1	78.1
41	102.4	83.2	123.2

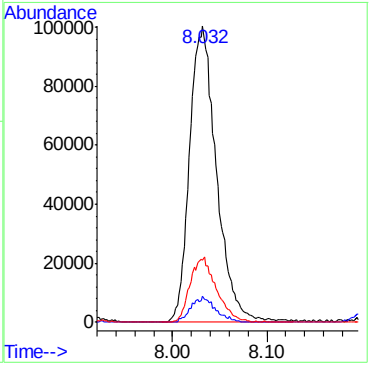




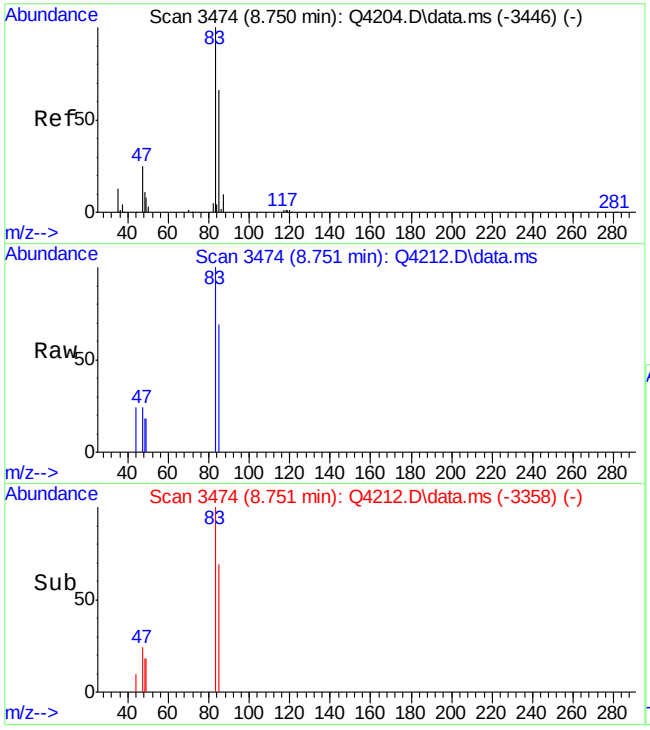
#28
METHYL ETHYL KETONE
Concen: 9.36 PPBV
RT: 8.032 min Scan# 3069
Delta R.T. -0.002 min
Lab File: Q4212.D
Acq: 8 Aug 2007 11:59 am

Tgt Ion: 43 Resp: 198256

Ion	Ratio	Lower	Upper
43	100		
57	8.8	0.0	29.6
72	20.8	3.7	43.7



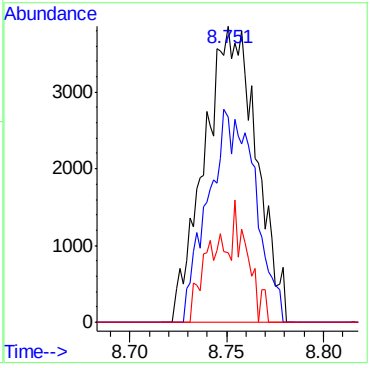
ACCUTEST Laboratories M66579

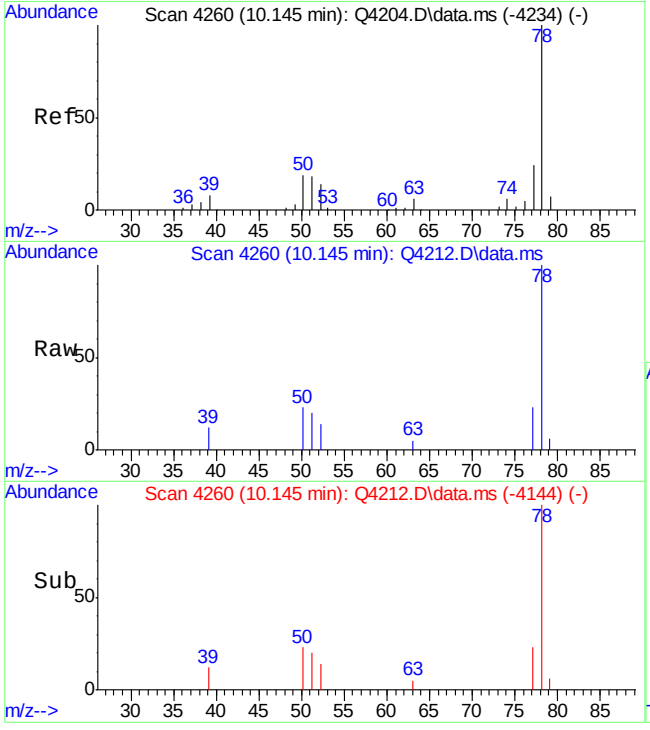


#31
CHLOROFORM
Concen: 0.16 PPBV
RT: 8.751 min Scan# 3474
Delta R.T. 0.000 min
Lab File: Q4212.D
Acq: 8 Aug 2007 11:59 am

Tgt Ion: 83 Resp: 7196

Ion	Ratio	Lower	Upper
83	100		
85	64.9	45.4	85.4
47	25.9	5.9	45.9

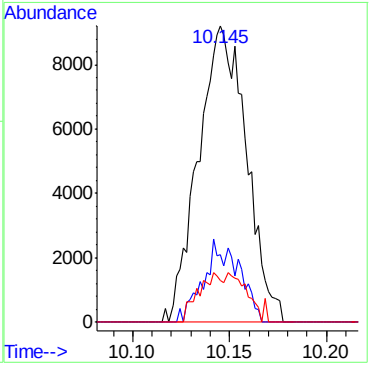


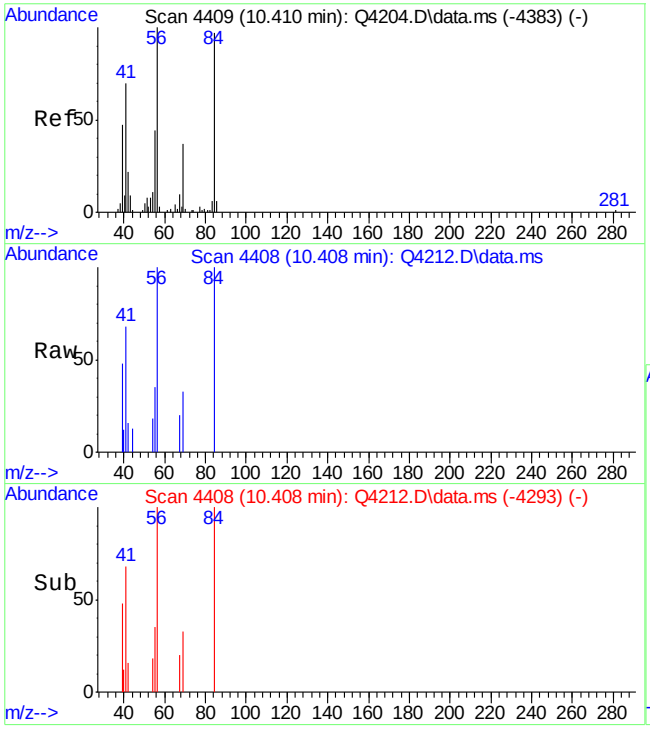


#36
BENZENE
Concen: 0.40 PPBV
RT: 10.145 min Scan# 4260
Delta R.T. 0.000 min
Lab File: Q4212.D
Acq: 8 Aug 2007 11:59 am

Tgt Ion: 78 Resp: 15831

Ion	Ratio	Lower	Upper
78	100		
77	20.5	3.6	43.6
52	16.3	0.0	35.2

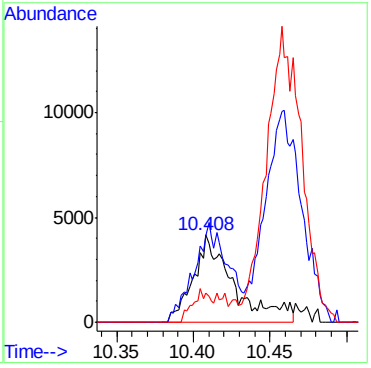


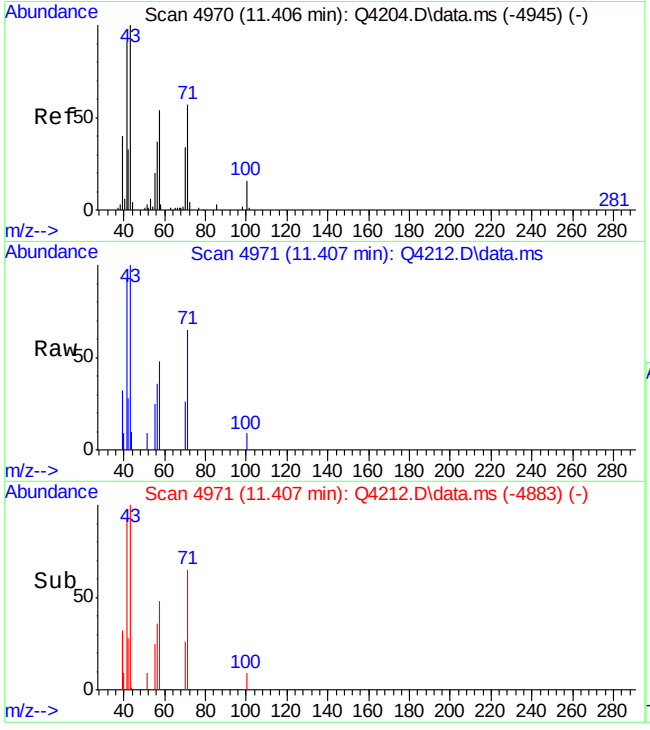


#37
CYCLOHEXANE
Concen: 0.43 PPBV
RT: 10.408 min Scan# 4408
Delta R.T. -0.002 min
Lab File: Q4212.D
Acq: 8 Aug 2007 11:59 am

Tgt Ion: 84 Resp: 7603

Ion	Ratio	Lower	Upper
84	100		
56	95.7	82.8	122.8
69	30.4	18.2	58.2

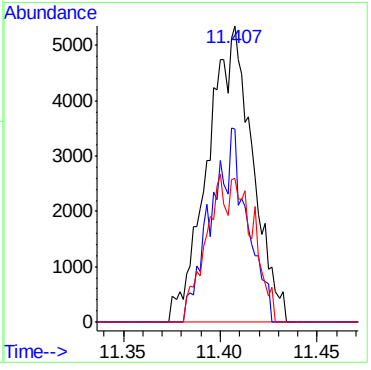


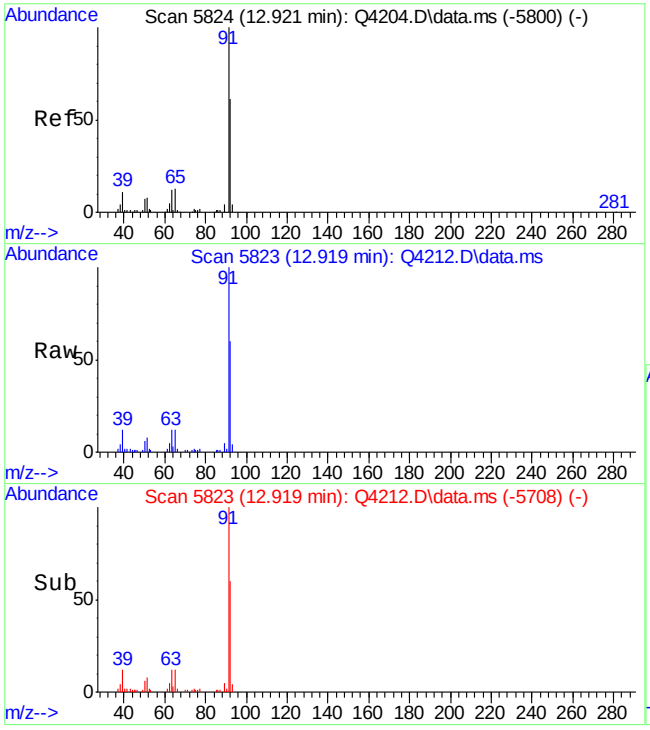


#43
HEPTANE
Concen: 0.44 PPBV
RT: 11.407 min Scan# 4971
Delta R.T. 0.002 min
Lab File: Q4212.D
Acq: 8 Aug 2007 11:59 am

Tgt Ion: 43 Resp: 8632

Ion	Ratio	Lower	Upper
43	100		
71	52.1	41.9	81.9
57	49.8	33.5	73.5

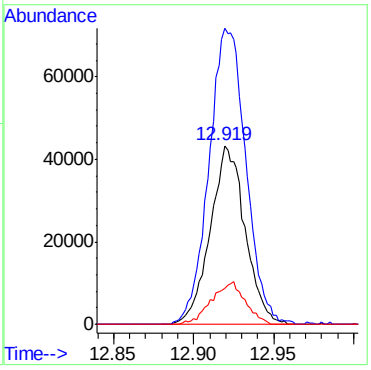


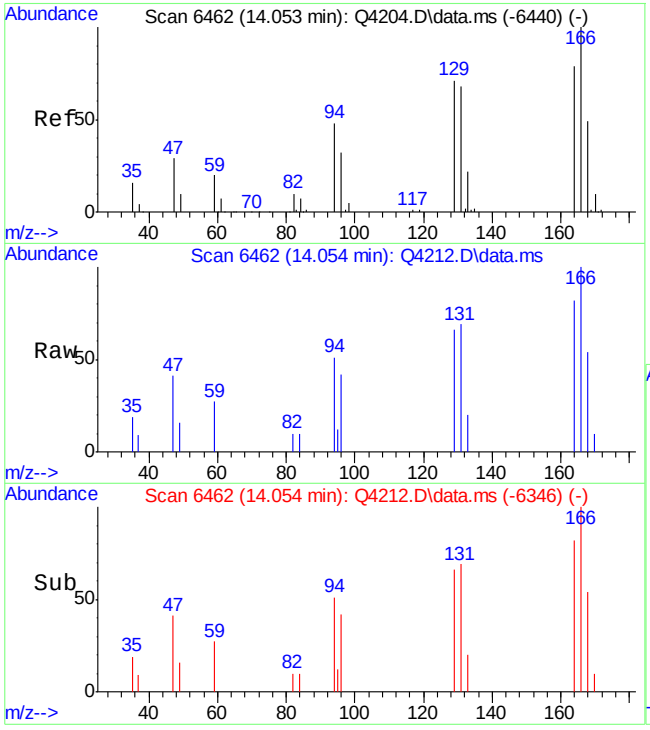


#46
TOLUENE
Concen: 2.41 PPBV
RT: 12.919 min Scan# 5823
Delta R.T. -0.002 min
Lab File: Q4212.D
Acq: 8 Aug 2007 11:59 am

Tgt Ion: 92 Resp: 65318

Ion	Ratio	Lower	Upper
92	100		
91	175.5	152.4	192.4
65	23.0	0.6	40.6

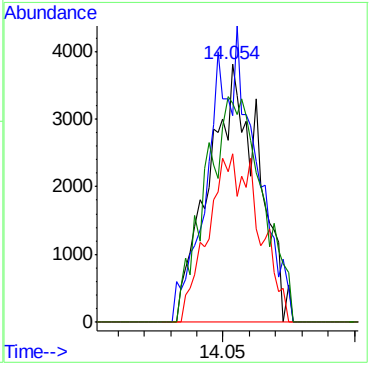


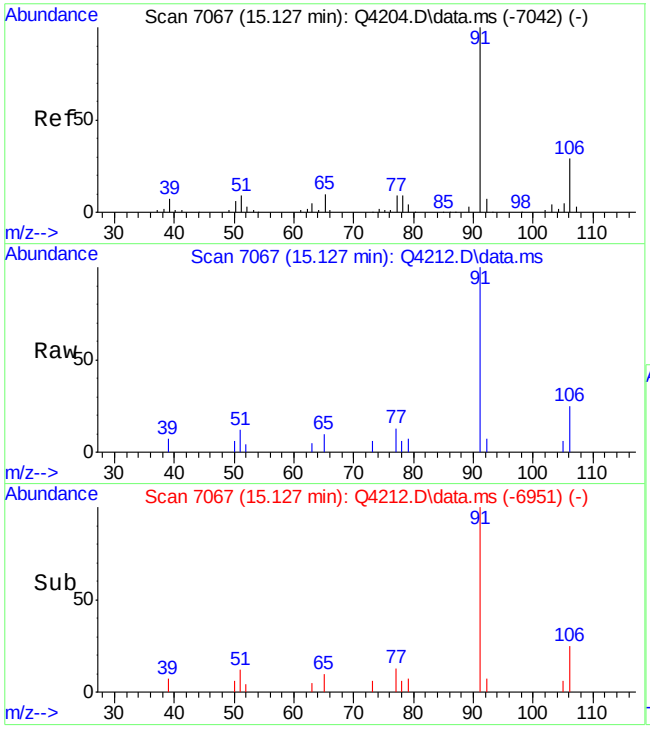


#51
TETRACHLOROETHYLENE
Concen: 0.21 PPBV
RT: 14.054 min Scan# 6462
Delta R.T. 0.000 min
Lab File: Q4212.D
Acq: 8 Aug 2007 11:59 am

Tgt Ion:164 Resp: 5036

Ion	Ratio	Lower	Upper
164	100		
129	106.2	71.2	111.2
168	65.9	42.6	82.6
131	99.5	69.2	109.2

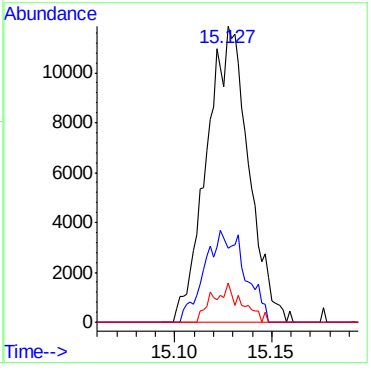


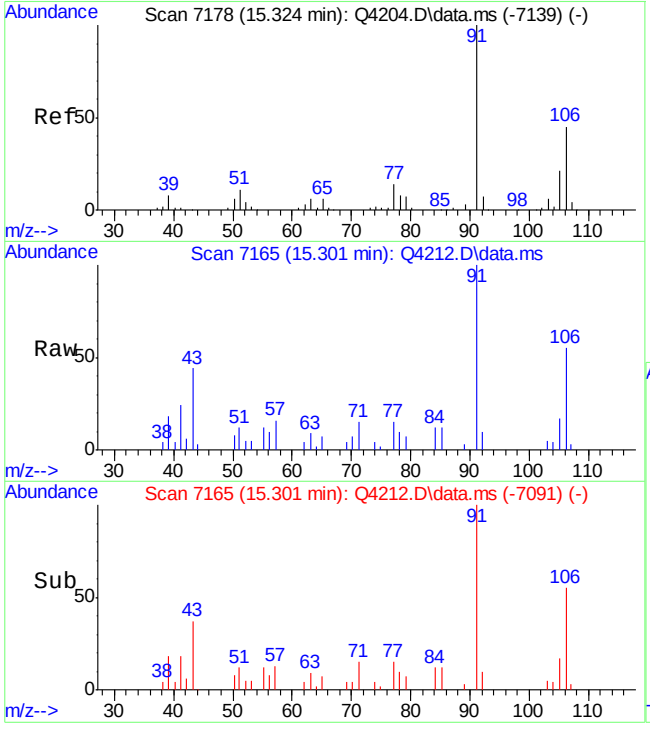


#55
ETHYLBENZENE
Concen: 0.33 PPBV
RT: 15.127 min Scan# 7067
Delta R.T. 0.000 min
Lab File: Q4212.D
Acq: 8 Aug 2007 11:59 am

Tgt Ion: 91 Resp: 17913

Ion	Ratio	Lower	Upper
91	100		
106	29.7	9.0	49.0
77	9.0	0.0	29.3

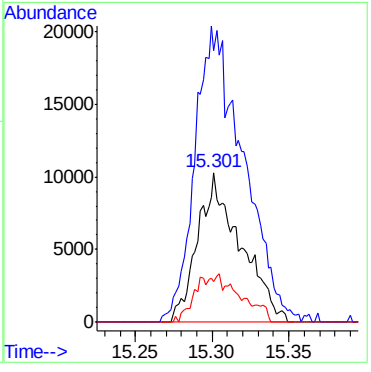


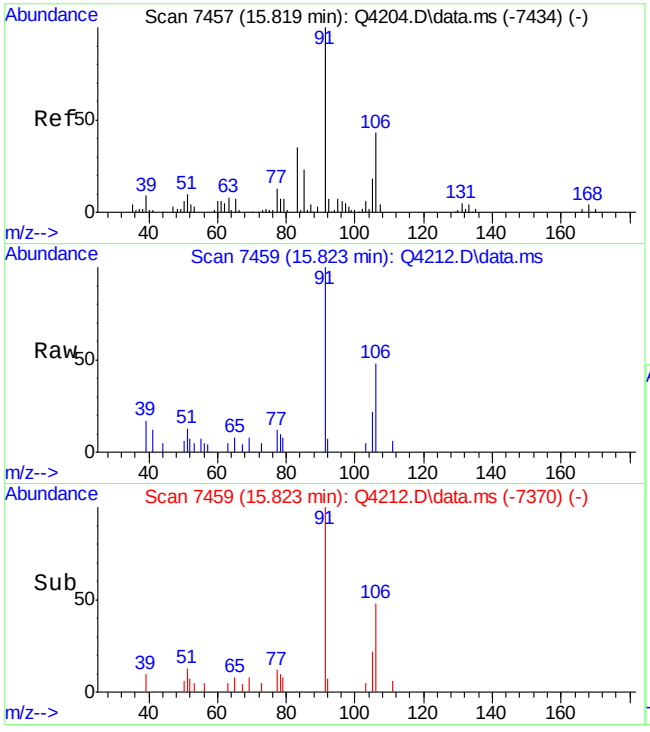


#56
m,p-XYLENE
Concen: 0.99 PPBV
RT: 15.301 min Scan# 7165
Delta R.T. -0.023 min
Lab File: Q4212.D
Acq: 8 Aug 2007 11:59 am

Tgt Ion:106 Resp: 19841

Ion	Ratio	Lower	Upper
106	100		
91	181.4	178.0	267.0
77	26.7	24.9	37.3

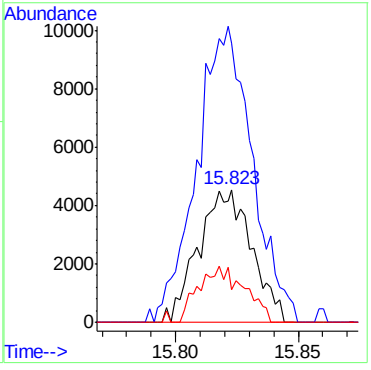


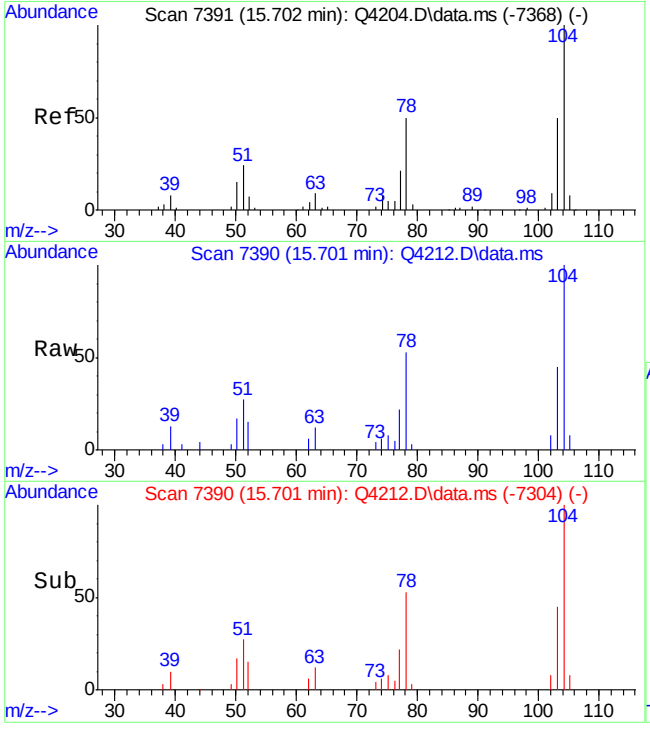


#57
o-XYLENE
Concen: 0.35 PPBV
RT: 15.823 min Scan# 7459
Delta R.T. 0.004 min
Lab File: Q4212.D
Acq: 8 Aug 2007 11:59 am

Tgt Ion:106 Resp: 6853

Ion	Ratio	Lower	Upper
106	100		
91	232.6	218.7	258.7
77	36.4	10.3	50.3

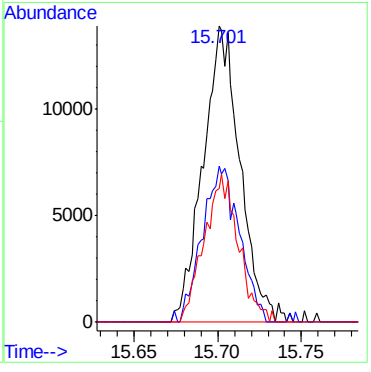


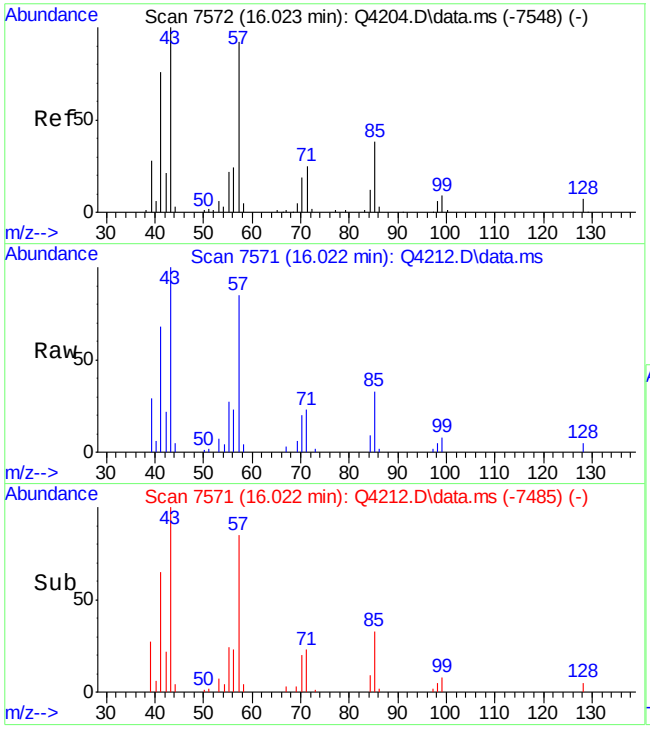


#58
STYRENE
Concen: 0.89 PPBV
RT: 15.701 min Scan# 7390
Delta R.T. -0.002 min
Lab File: Q4212.D
Acq: 8 Aug 2007 11:59 am

Tgt Ion:104 Resp: 21456

Ion	Ratio	Lower	Upper
104	100		
78	52.6	30.8	70.8
103	45.8	28.1	68.1

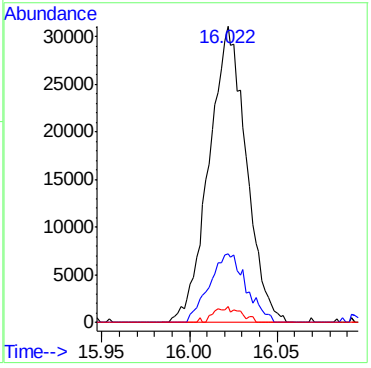


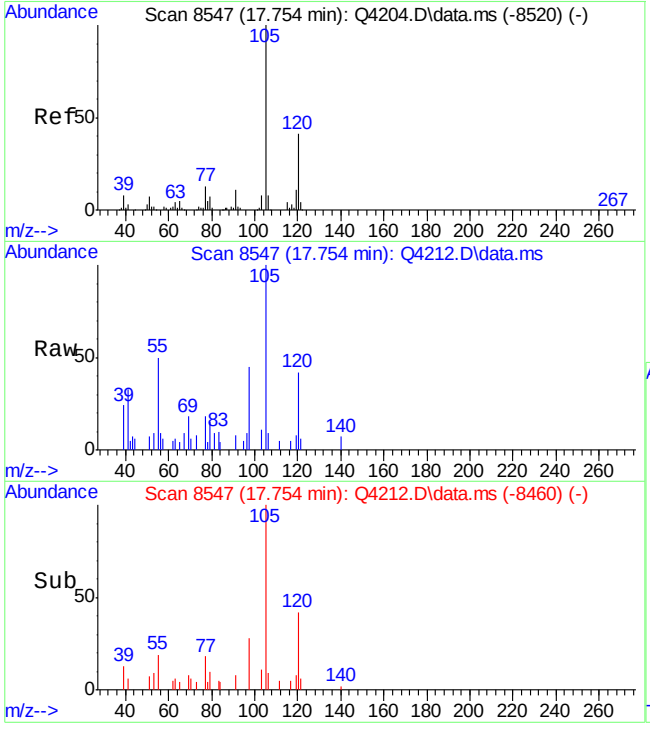


#59
NONANE
Concen: 1.91 PPBV
RT: 16.022 min Scan# 7571
Delta R.T. -0.002 min
Lab File: Q4212.D
Acq: 8 Aug 2007 11:59 am

Tgt Ion: 43 Resp: 45869

Ion	Ratio	Lower	Upper
43	100		
71	23.0	4.8	44.8
128	3.8	0.0	26.7

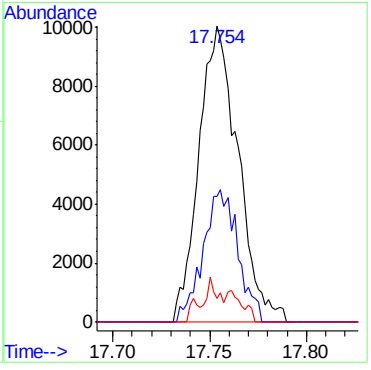




#67
1,2,4-TRIMETHYLBENZENE
Concen: 0.30 PPBV
RT: 17.754 min Scan# 8547
Delta R.T. 0.000 min
Lab File: Q4212.D
Acq: 8 Aug 2007 11:59 am

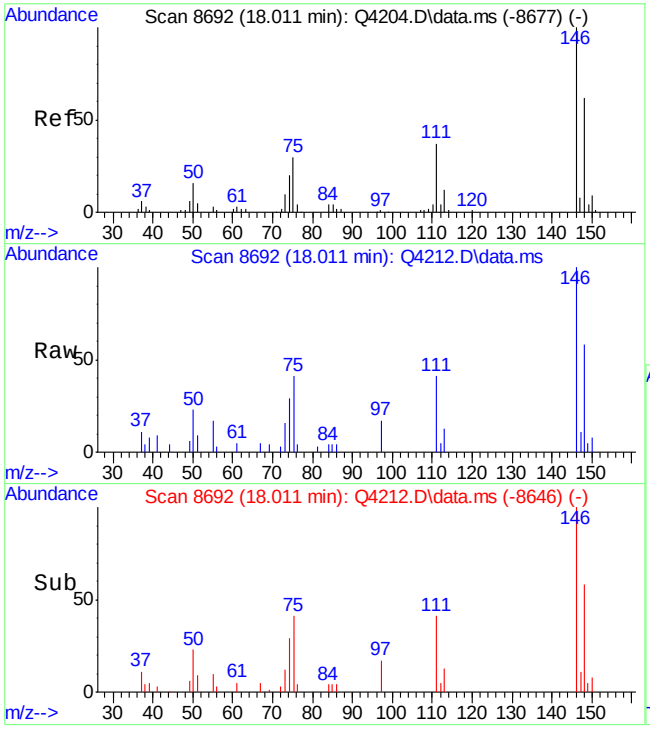
Tgt Ion:105 Resp: 14129

Ion	Ratio	Lower	Upper
105	100		
120	39.5	21.5	61.5
119	10.9	0.0	31.2



6.4.1

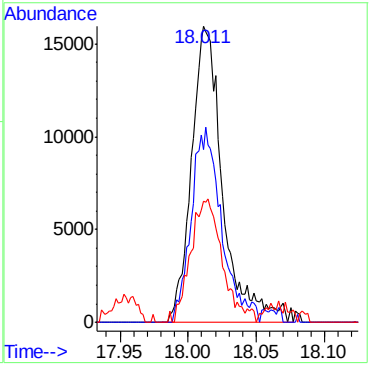
6



#70
p-DICHLOROBENZENE
Concen: 0.88 PPBV
RT: 18.011 min Scan# 8692
Delta R.T. 0.000 min
Lab File: Q4212.D
Acq: 8 Aug 2007 11:59 am

Tgt Ion:146 Resp: 25529

Ion	Ratio	Lower	Upper
146	100		
148	63.1	43.9	83.9
111	42.8	17.0	57.0



6.4.1

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 : Q3993.D
Acq On : 17 Jul 2007 3:11 pm
Operator : danat
Sample : scc (M088)
Misc : MS13893, MSQ214,,,,,1
ALS Vial : 11 Sample Multiplier: 1

Quant Time: Jul 18 09:02:59 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	215083	10.00	PPBV	0.00
35) 1,4-DIFLUOROBENZENE	10.460	114	998215	10.00	PPBV	0.00
49) CHLOROBENZENE-D5	14.703	117	842492	10.00	PPBV	0.00

System Monitoring Compounds

61) 4-BROMOFLUOROBENZENE	16.325	95	311602	5.04	PPBV	0.00

Spiked Amount 5.000 Range 57 - 139 Recovery = 100.80%

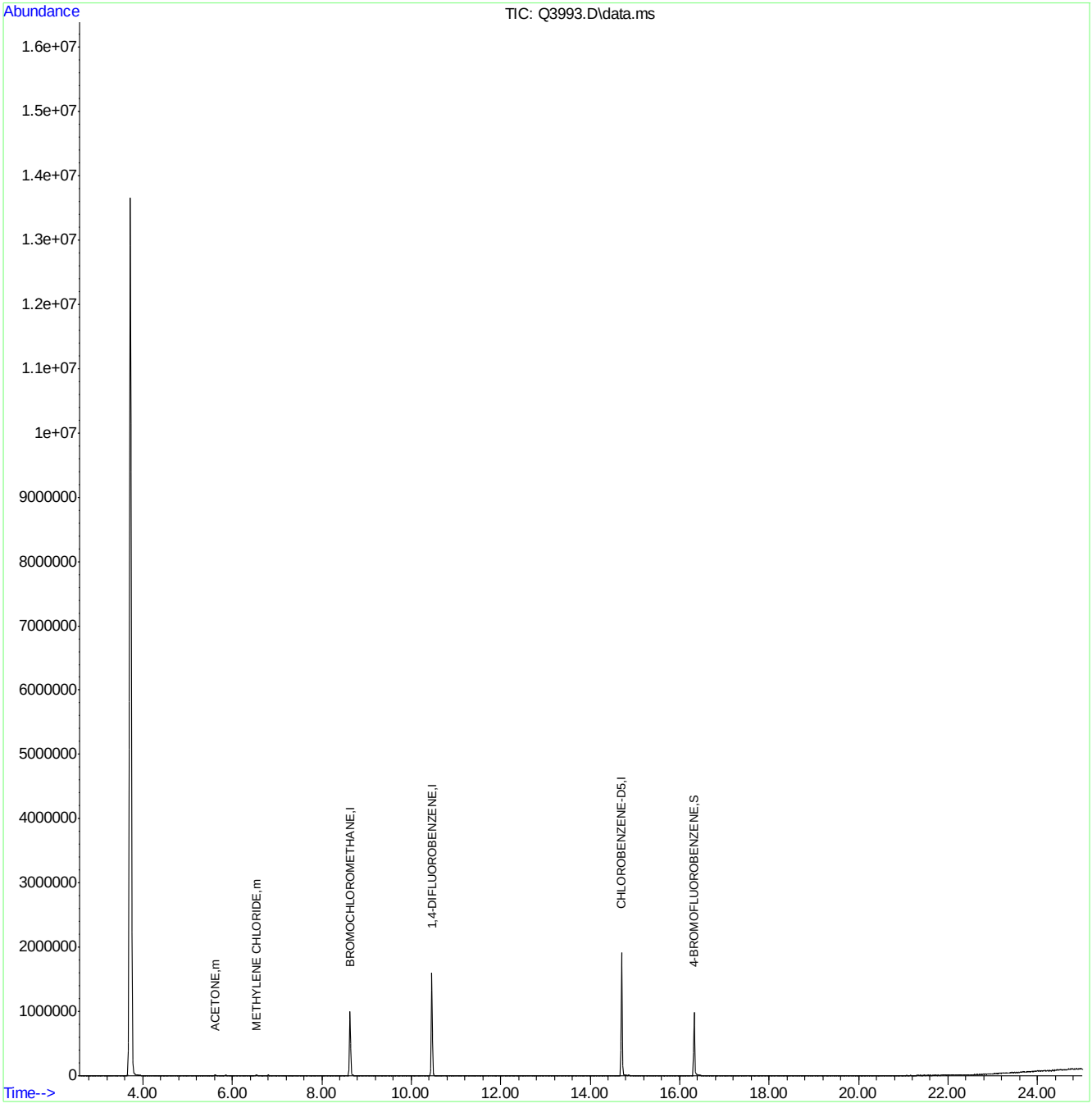
Target Compounds						Qvalue
12) ACETONE	5.620	43	10288	0.51	PPBV	76
18) METHYLENE CHLORIDE	6.537	84	2556m	0.35	PPBV	

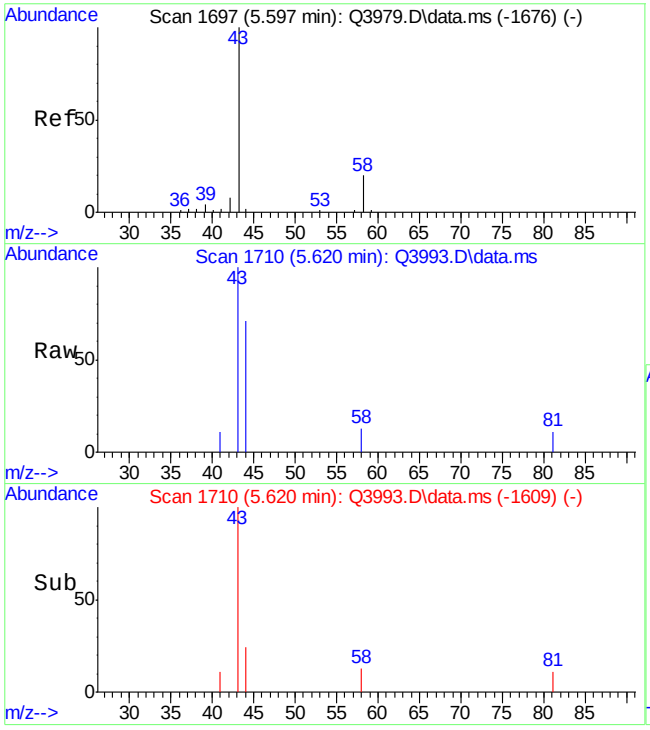
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\
Data File : Q3993.D
Acq On : 17 Jul 2007 3:11 pm
Operator : danat
Sample : scc (M088)
Misc : MS13893, MSQ214,,,,,1
ALS Vial : 11 Sample Multiplier: 1

Quant Time: Jul 18 09:02:59 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

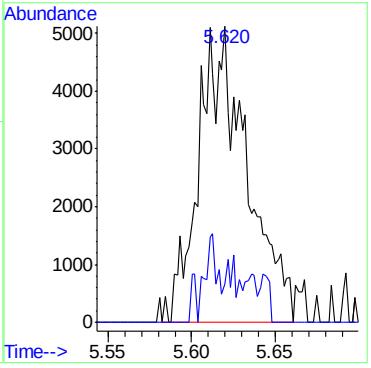


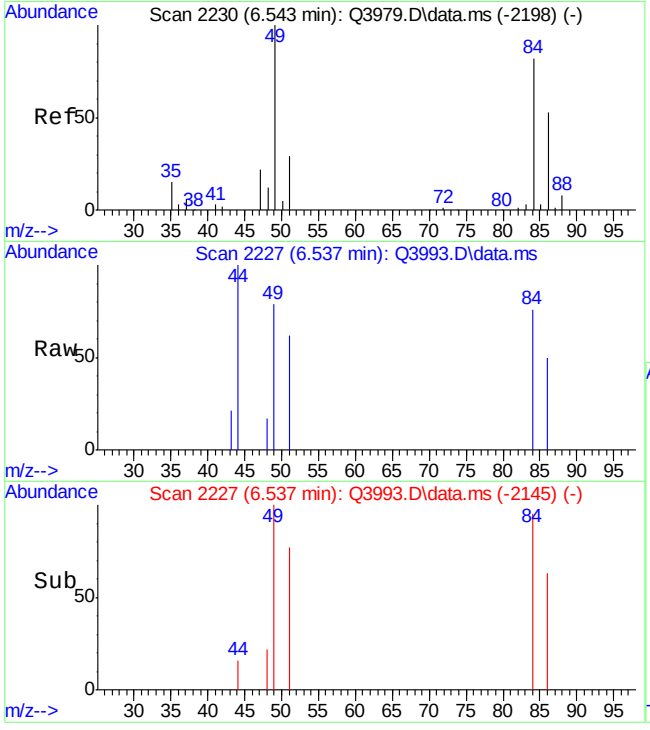


#12
ACETONE
Concen: 0.51 PPBV
RT: 5.620 min Scan# 1710
Delta R.T. 0.024 min
Lab File: Q3993.D
Acq: 17 Jul 2007 3:11 pm

Tgt Ion: 43 Resp: 10288

Ion	Ratio	Lower	Upper
43	100		
58	12.1	4.0	44.0

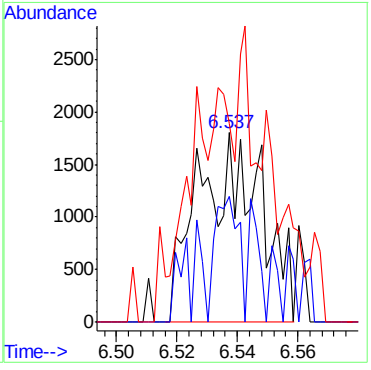




#18
METHYLENE CHLORIDE
Concen: 0.35 PPBV m
RT: 6.537 min Scan# 2227
Delta R.T. -0.005 min
Lab File: Q3993.D
Acq: 17 Jul 2007 3:11 pm

Tgt Ion: 84 Resp: 2556

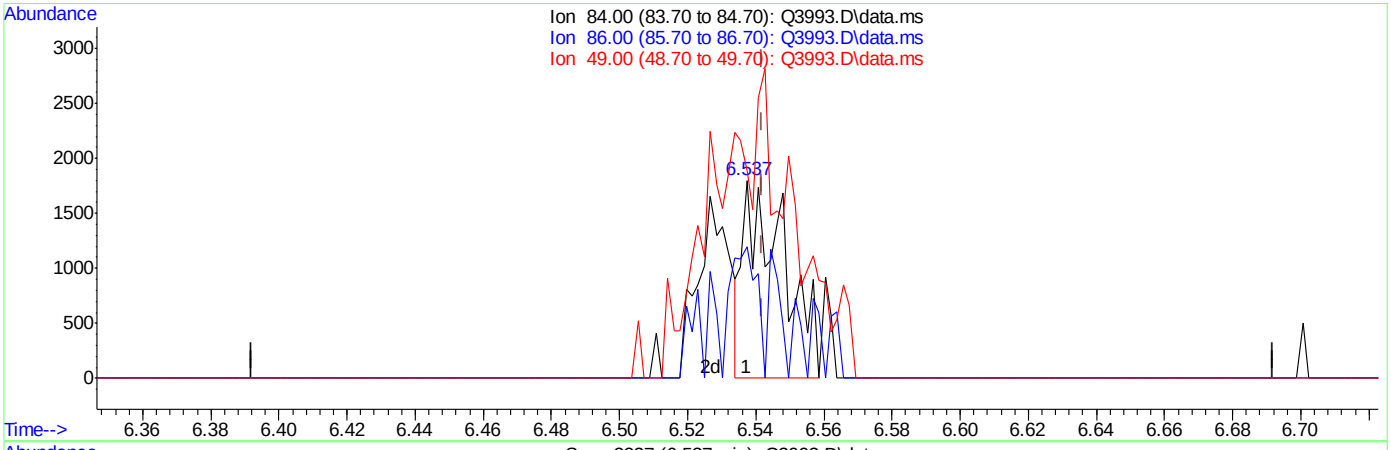
Ion	Ratio	Lower	Upper
84	100		
86	40.7	45.0	85.0#
49	174.8	0.0	327.5

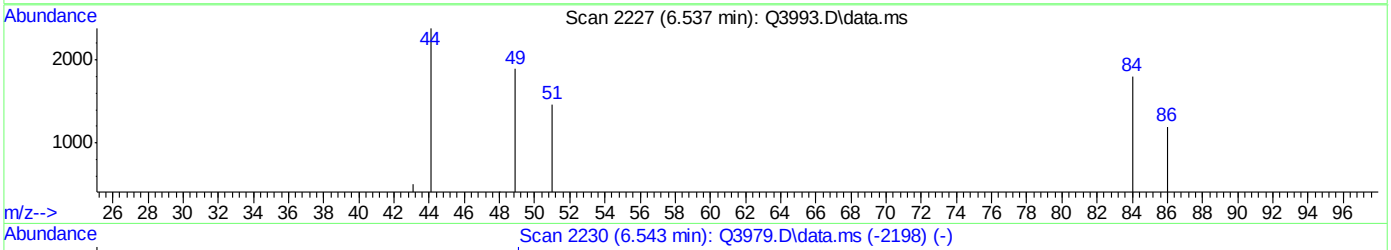


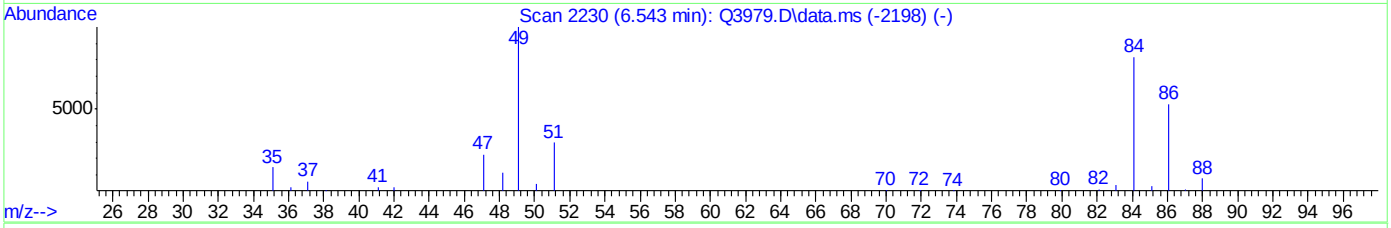
Quantitation Report (Qedit)

```
Data Path : C:\msdchem\1\DATA\
Data File : Q3993.D
Acq On    : 17 Jul 2007   3:11 pm
Operator  : danat
Sample    : scc (M088)
Misc      : MS13893, MSQ214,,,,,1
ALS Vial  : 11   Sample Multiplier: 1

Quant Time: Jul 17 15:40:18 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: Q3993.D\data.ms

(18) METHYLENE CHLORIDE (m)

6.537min (-0.005) 0.31PPBV

response 1510

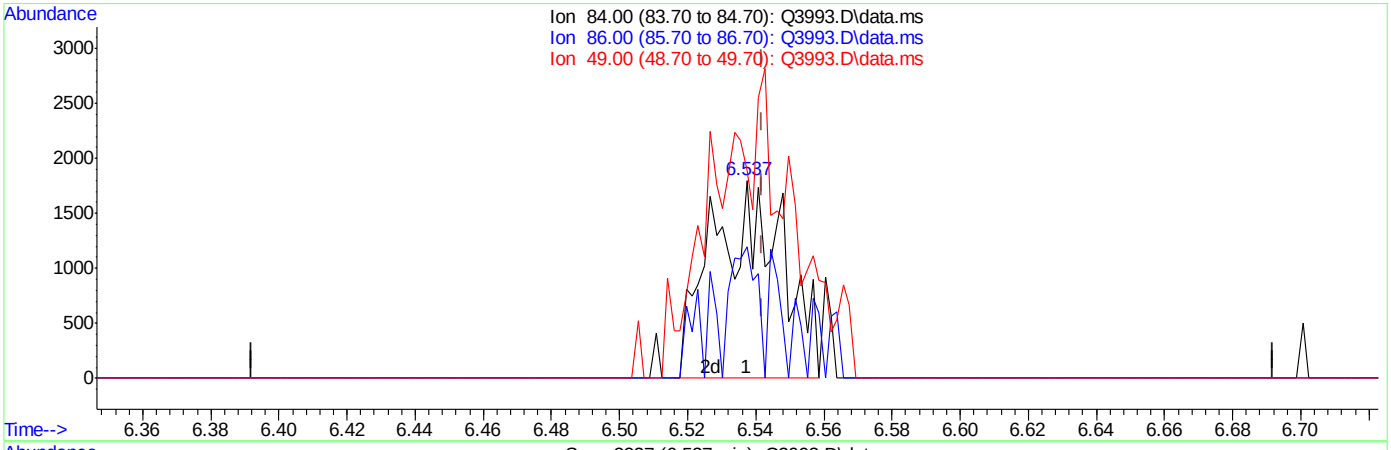
Ion	Exp%	Act%
84.00	100	100
86.00	65.00	68.94
49.00	127.50	295.83
0.00	0.00	0.00

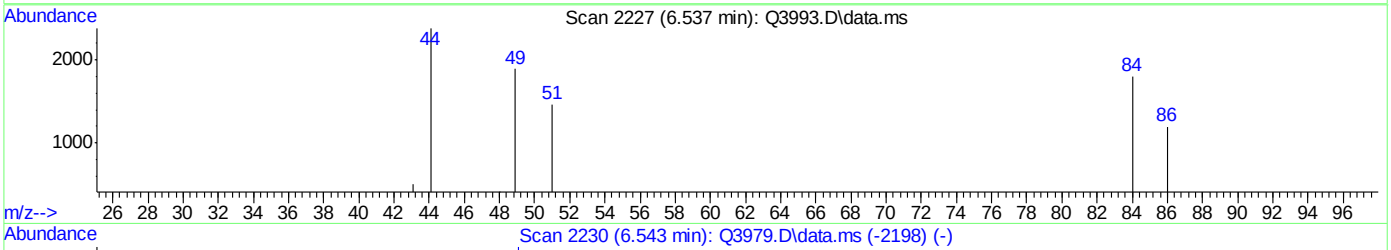
ACCUTEST Laboratories M66579

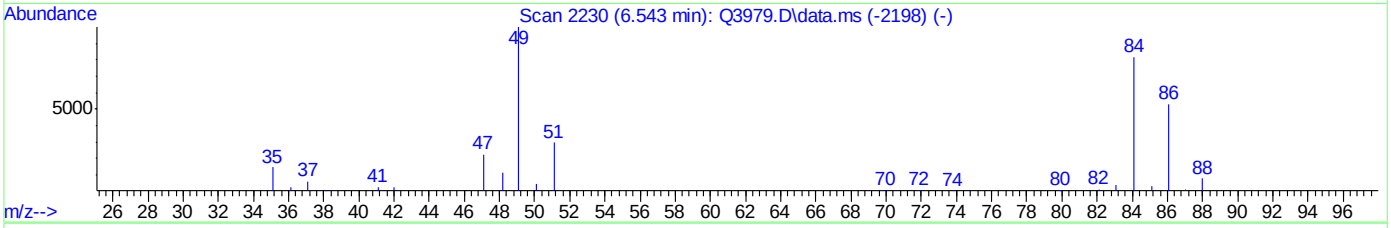
Quantitation Report (Qedit)

```
Data Path : C:\msdchem\1\DATA\
Data File : Q3993.D
Acq On    : 17 Jul 2007   3:11 pm
Operator  : danat
Sample    : scc (M088)
Misc      : MS13893, MSQ214,,,,,1
ALS Vial  : 11   Sample Multiplier: 1

Quant Time: Jul 17 15:40:18 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: Q3993.D\data.ms

(18) METHYLENE CHLORIDE (m)

6.537min (-0.005) 0.35PPBV m

response 2556

Ion	Exp%	Act%
84.00	100	100
86.00	65.00	40.73#
49.00	127.50	174.77
0.00	0.00	0.00

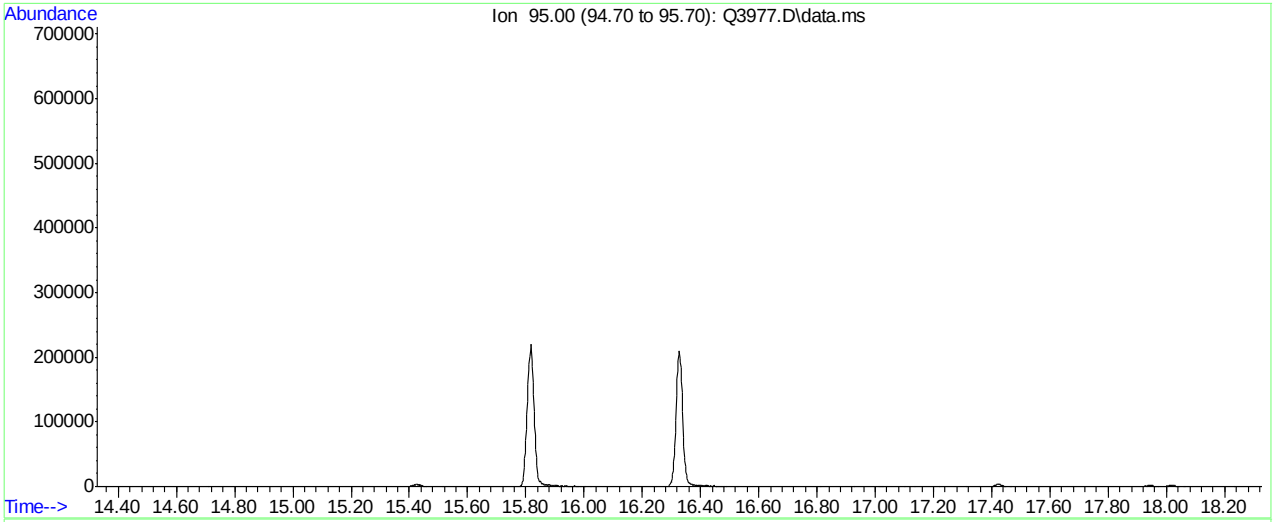
ACCUTEST Laboratories M66579

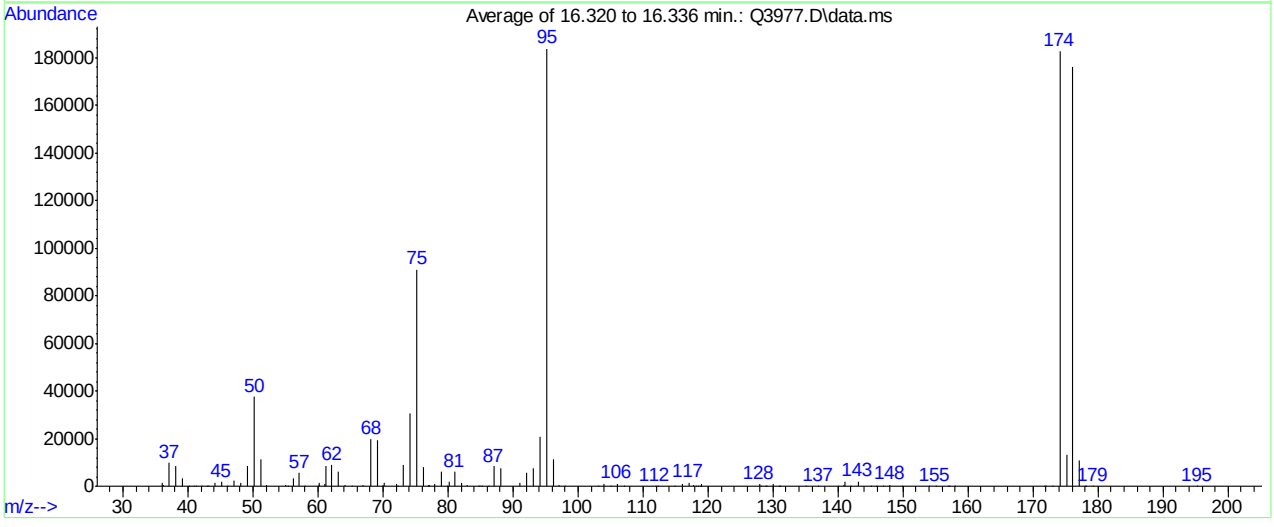
BFB

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)

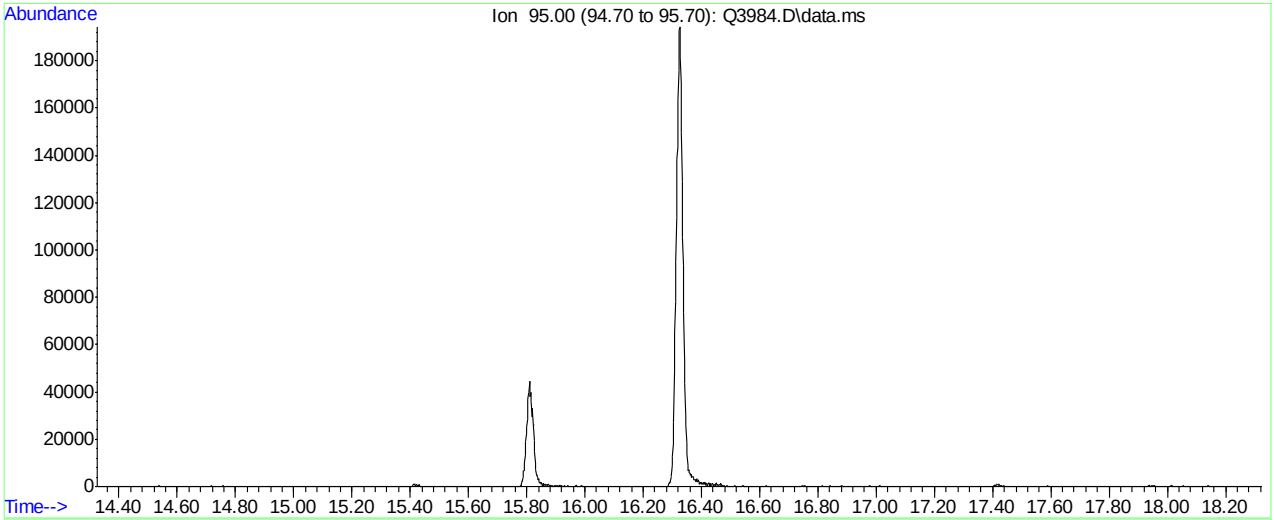
m/z	abund.	m/z	abund.	m/z	abund.	m/z	abund.
130.80	80	146.90	201	174.10	182726		
131.05	107	148.00	488	175.15	12997		
135.00	96	149.90	43	176.10	176070		
137.00	139	153.95	121	177.05	10865		
140.00	44	155.00	253	177.90	161		
140.85	326	156.85	91	178.20	40		
141.10	1680	157.15	238	179.20	44		
141.95	141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

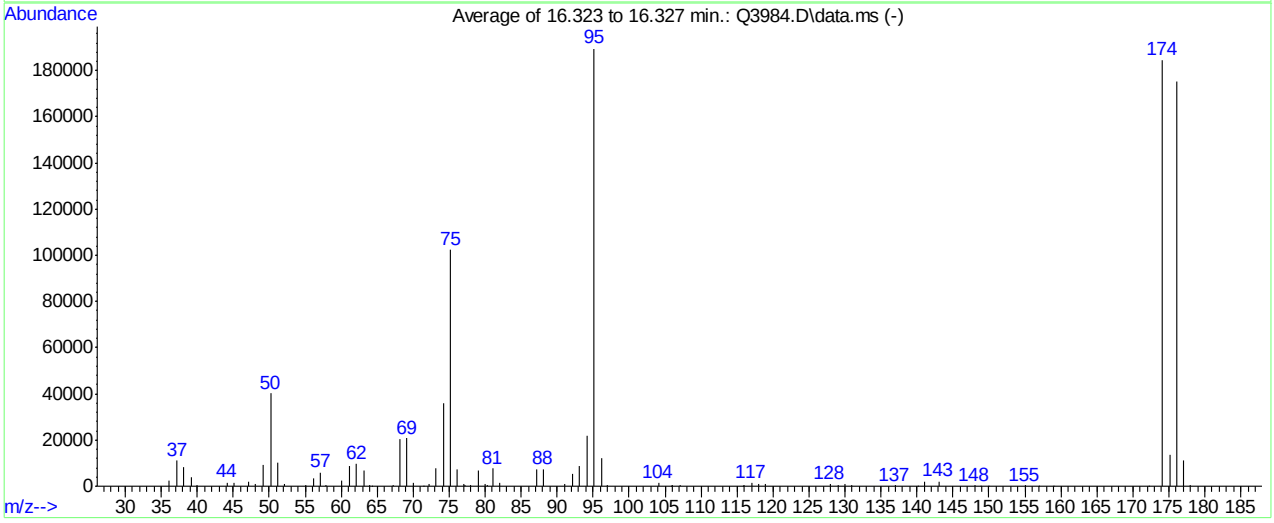
BFB

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

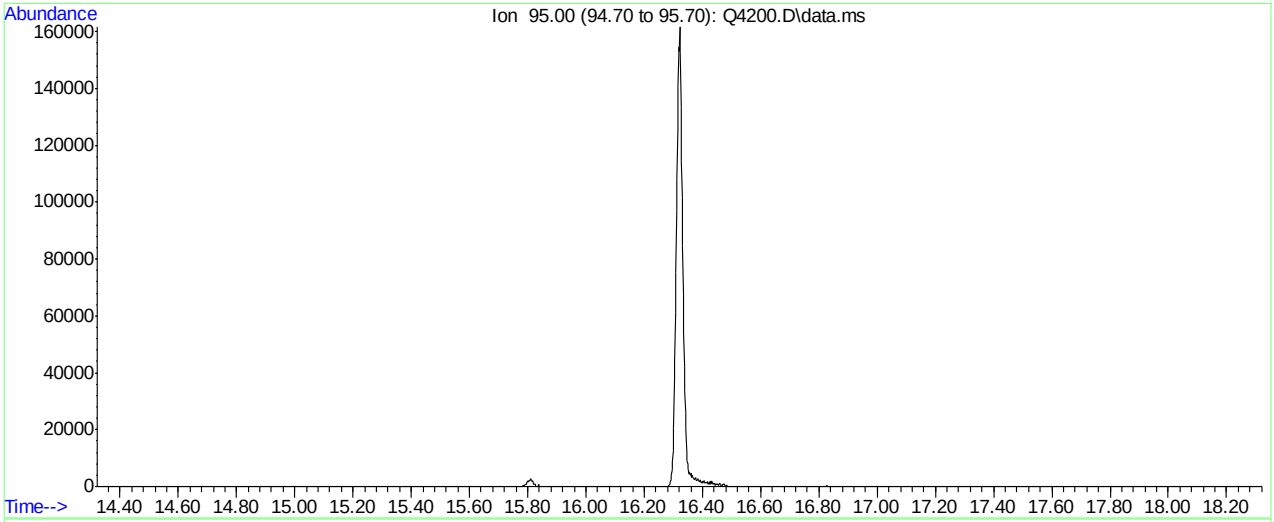
m/z	abund.	m/z	abund.	m/z	abund.	m/z	abund.
92.15	5150	115.95	488	143.05	2110	177.10	11417
93.15	8533	117.00	1303	148.05	364	177.95	380
94.15	21933	118.00	749	148.90	227		
95.15	189568	119.00	1084	150.00	157		
96.15	12344	127.95	866	155.00	482		
97.05	403	129.00	646	156.90	136		
104.10	1316	129.95	774	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		

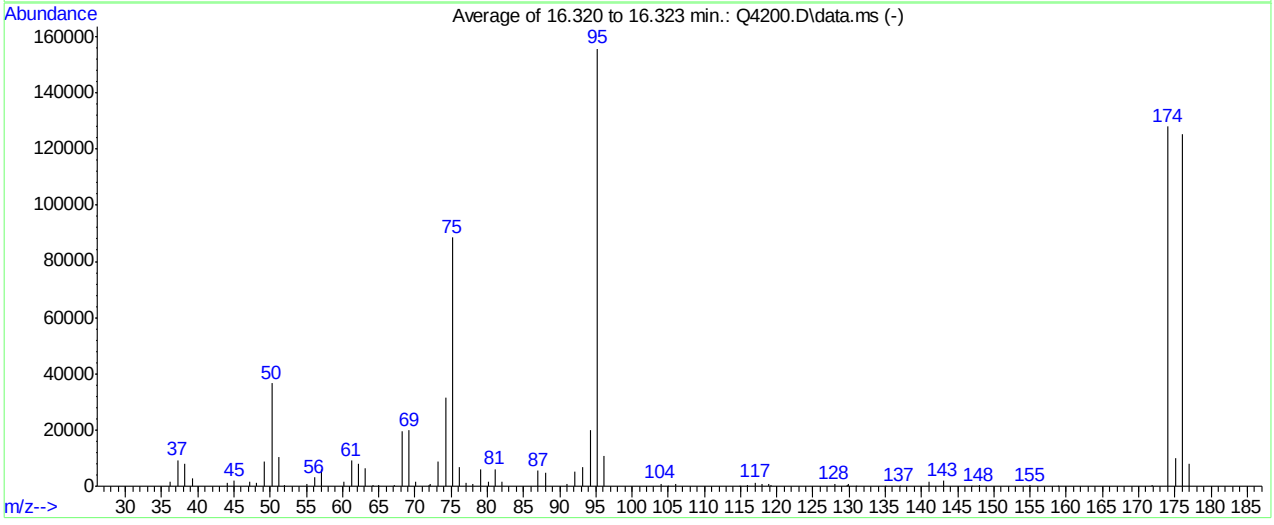
BFB

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

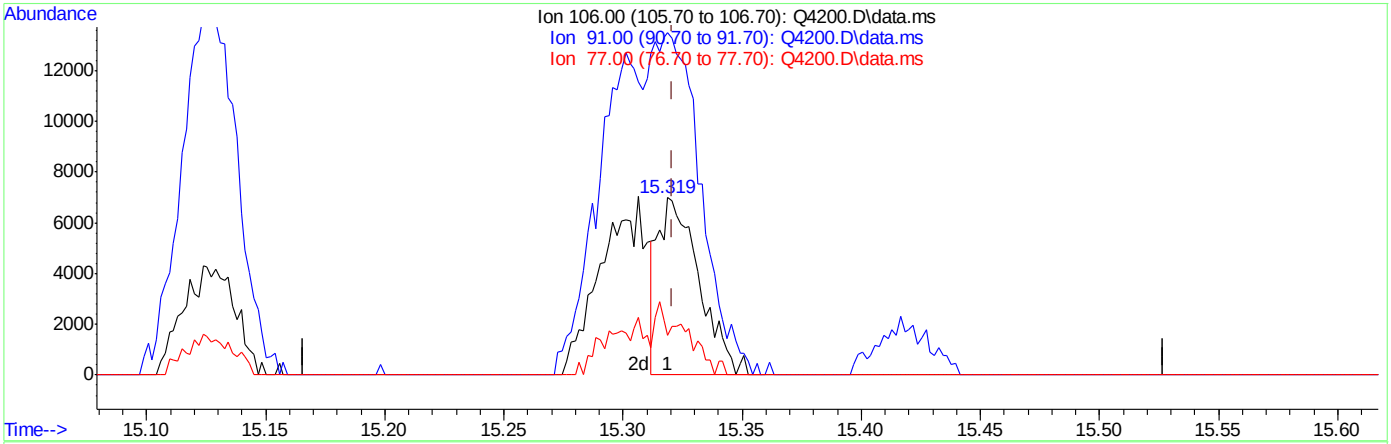
Average of 16.320 to 16.323 min.: Q4200.D\data.ms
ic223-0.5 (M065)
Modified:subtracted

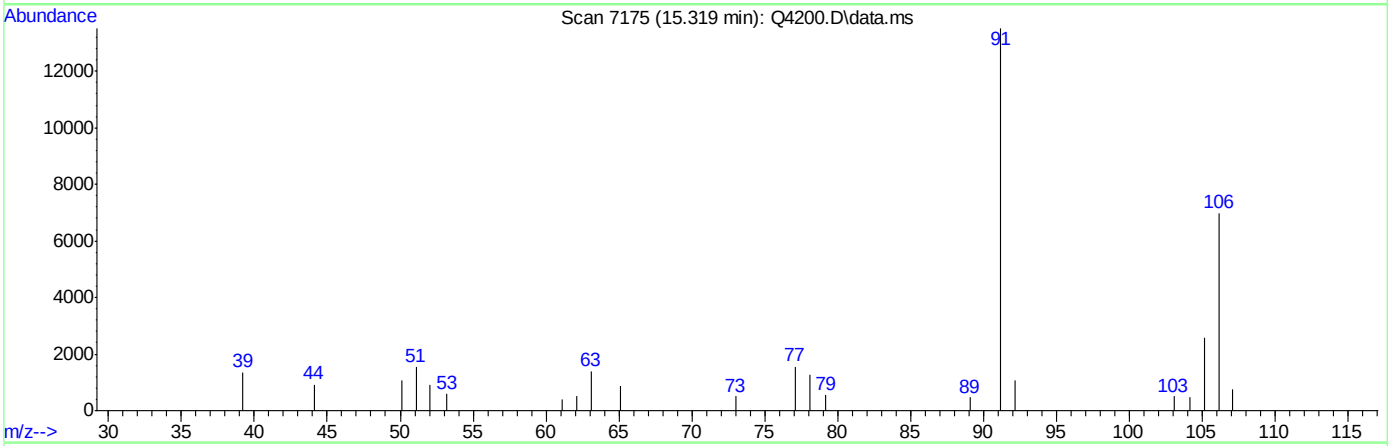
m/z	abund.	m/z	abund.	m/z	abund.	m/z	abund.
96.15	10908	129.80	308	171.90	357		
104.00	961	129.95	657	174.10	128037		
105.00	134	131.00	213	175.10	9810		
106.10	766	135.00	137	176.10	125312		
114.90	148	137.00	140	177.05	8094		
116.00	594	141.00	1712				
117.05	1261	143.00	1888				
117.95	686	147.00	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

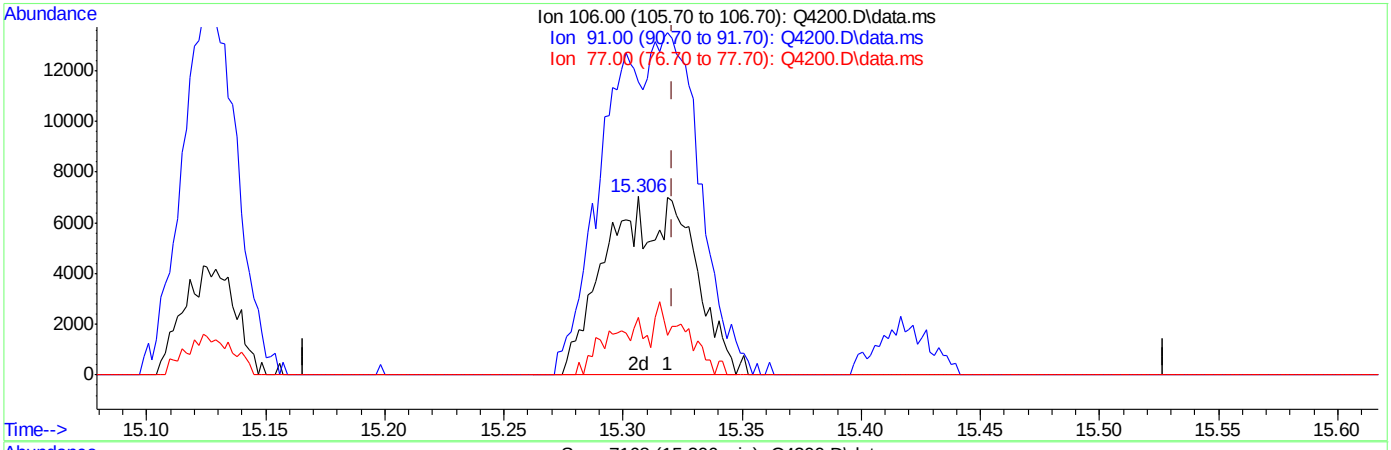
Ion	Exp%	Act%
106.00	100	100
91.00	217.70	193.29
77.00	29.20	22.31#
0.00	0.00	0.00

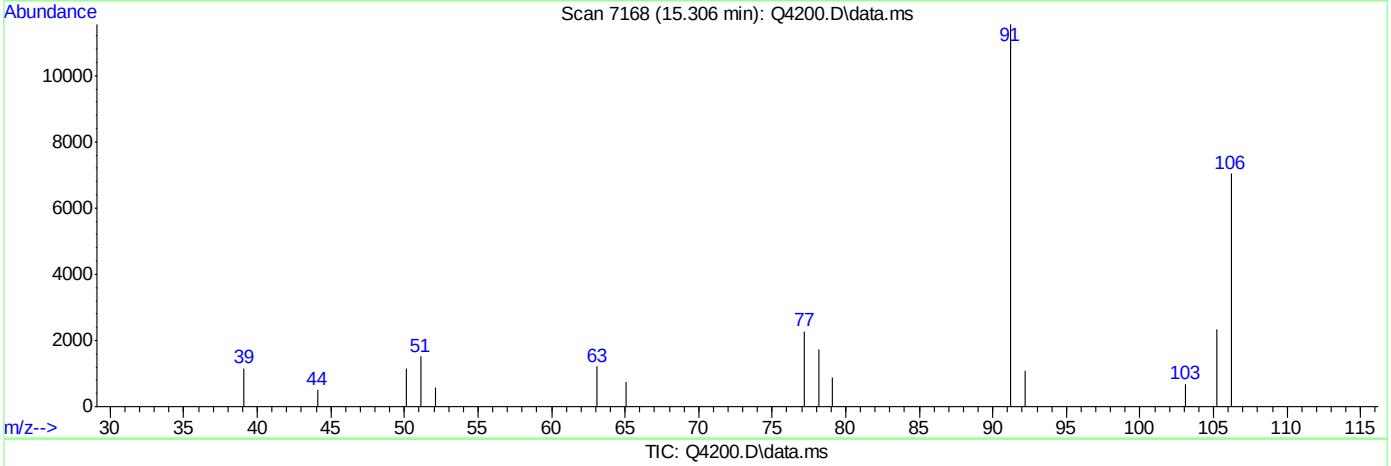
ACCUTEST Laboratories M66579

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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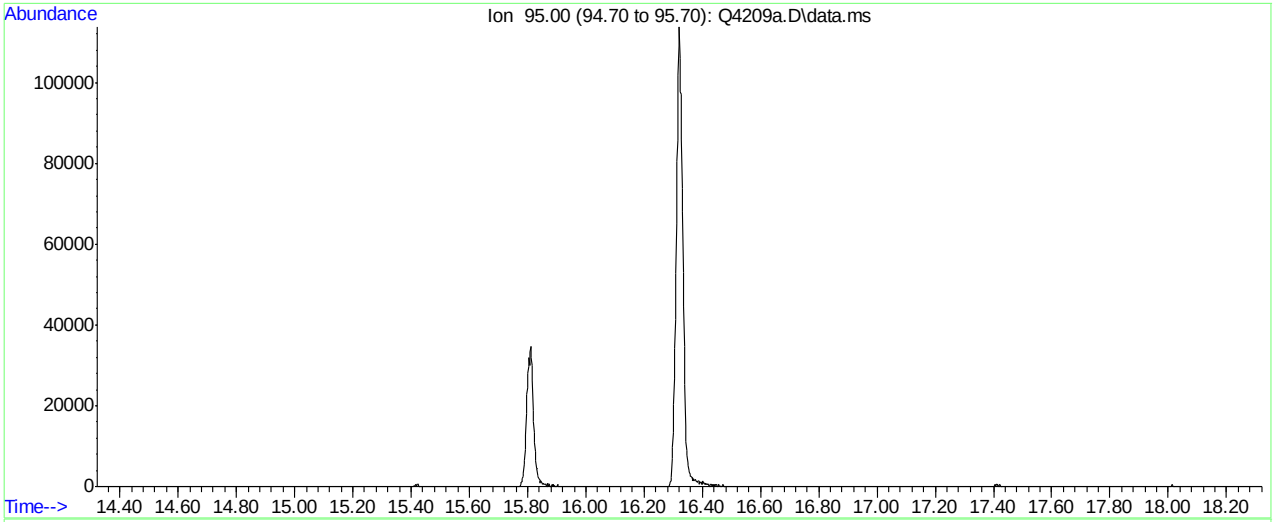
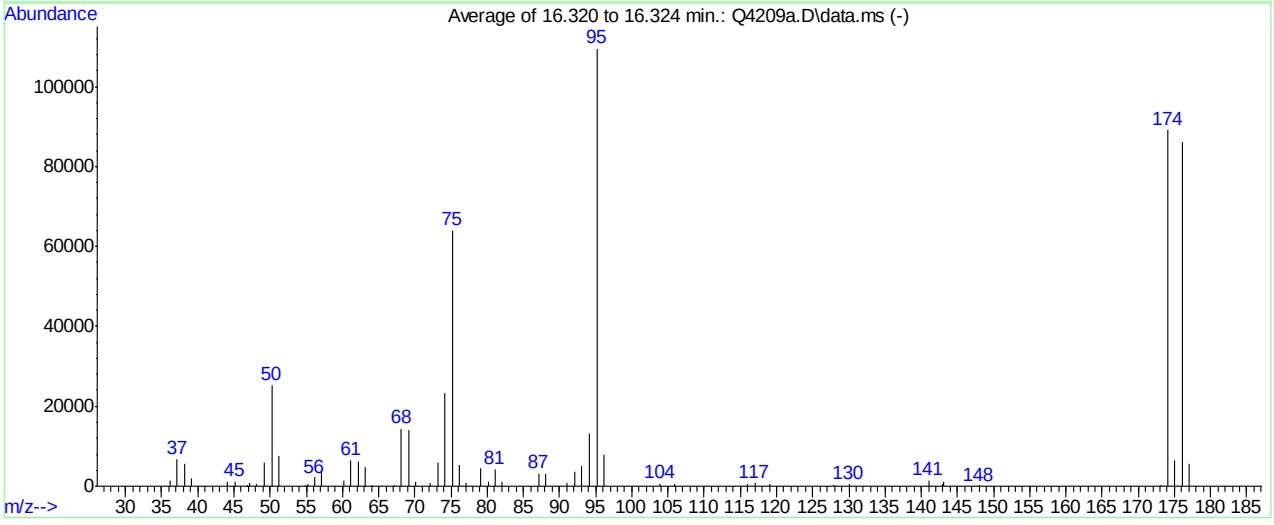
BFB

Data File : C:\msdchem\1\DATA\Q4209a.D
Acq On : 8 Aug 2007 9:36 am
Sample : cc223-10 (M164)
Misc : MS14034, MSQ223,,,,,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





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	23.2	25384	PASS
75	95	30	66	58.5	64093	PASS
95	95	100	100	100.0	109562	PASS
96	95	5	9	7.1	7787	PASS
173	174	0.00	2	0.4	355	PASS
174	95	50	120	81.4	89154	PASS
175	174	4	9	7.3	6494	PASS
176	174	93	101	96.6	86157	PASS
177	176	5	9	6.5	5604	PASS

Q4209a.D Q080707T.m Wed Aug 08 15:10:57 2007 RPT1

Average of 16.320 to 16.324 min.: Q4209a.D\data.ms
cc223-10 (M164)
Modified:subtracted

m/z	abund.	m/z	abund.	m/z	abund.	m/z	abund.
36.15	1433	51.20	7529	68.15	14408	81.05	4322
37.15	6803	54.90	161	69.15	14177	82.00	1031
38.20	5621	55.15	489	70.10	1133	87.10	3198
39.10	2077	56.10	2245	72.15	955	88.05	3042
44.10	1156	57.15	3945	73.20	6020	91.05	830
45.10	1186	60.15	1341	74.20	23258	92.15	3654
46.90	293	61.15	6528	75.20	64093	93.10	5020
47.10	845	62.15	6243	76.15	5469	94.15	13188
48.15	664	63.15	4918	77.15	819	95.20	109562
49.15	6004	64.10	300	79.05	4534	96.20	7787
50.20	25384	67.10	158	80.10	1139	103.95	592

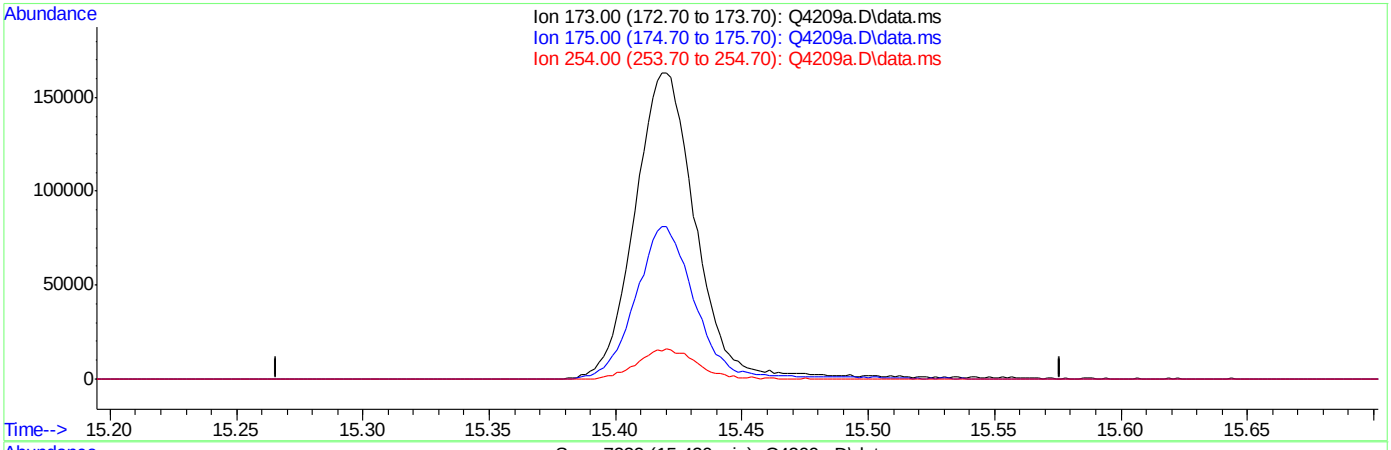
Average of 16.320 to 16.324 min.: Q4209a.D\data.ms
cc223-10 (M164)
Modified:subtracted

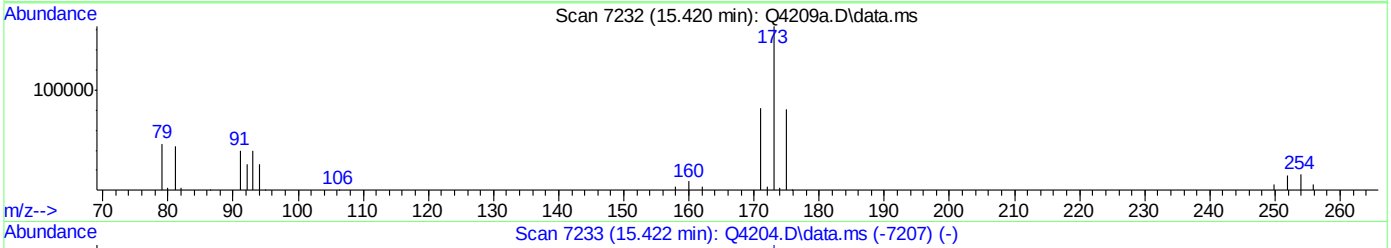
m/z	abund.	m/z	abund.	m/z	abund.	m/z	abund.
105.95	591	174.10	89154				
115.95	458	175.05	6494				
117.00	828	176.10	86157				
119.10	464	177.10	5604				
127.90	399						
130.05	509						
141.05	1521						
142.90	436						
143.05	1004						
148.00	223						
173.10	355						

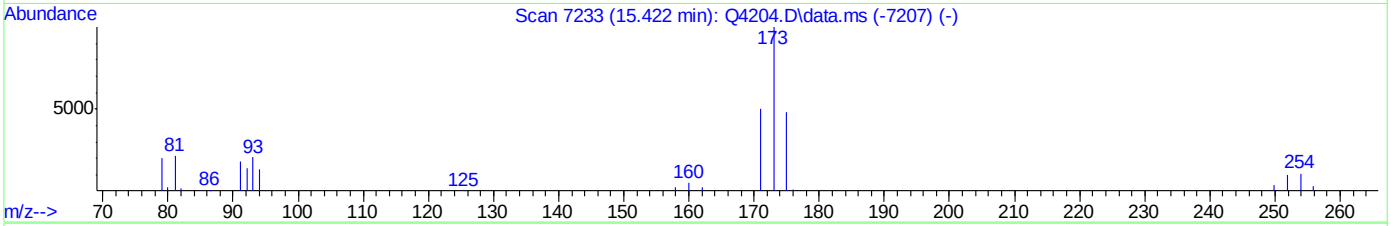
Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\
Data File : Q4209a.D
Acq On : 8 Aug 2007 9:36 am
Operator : danat
Sample : cc223-10 (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: Q4209a.D\data.ms

(60) BROMOFORM (m)

15.421min (-15.421) 0.00PPBV

response 0

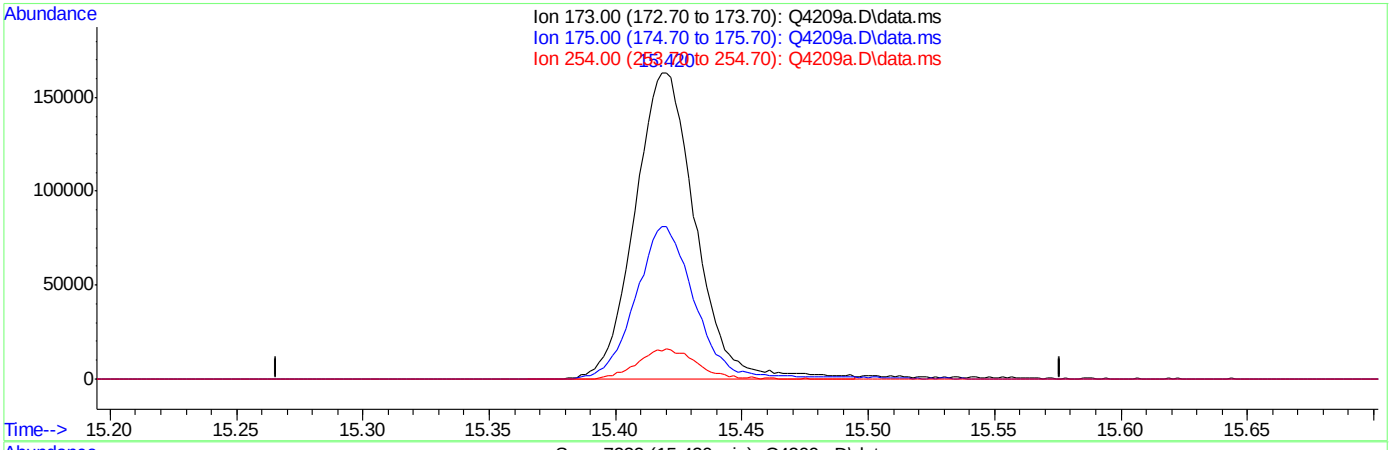
Ion	Exp%	Act%
173.00	100	0.00
175.00	49.10	0.00#
254.00	10.00	0.00
0.00	0.00	0.00

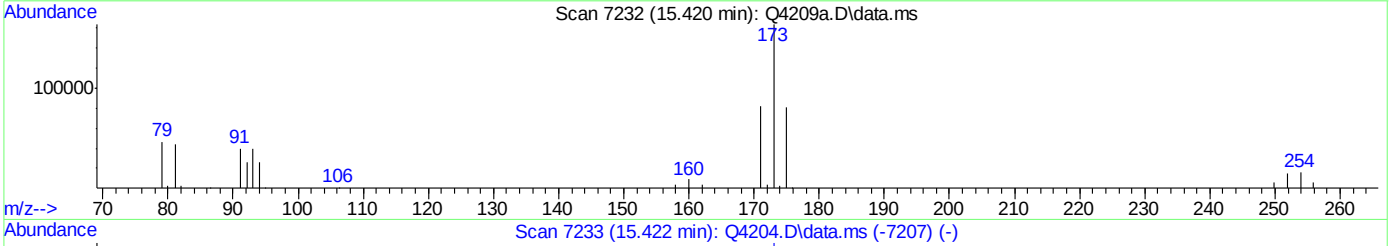
ACCUTEST Laboratories M66579

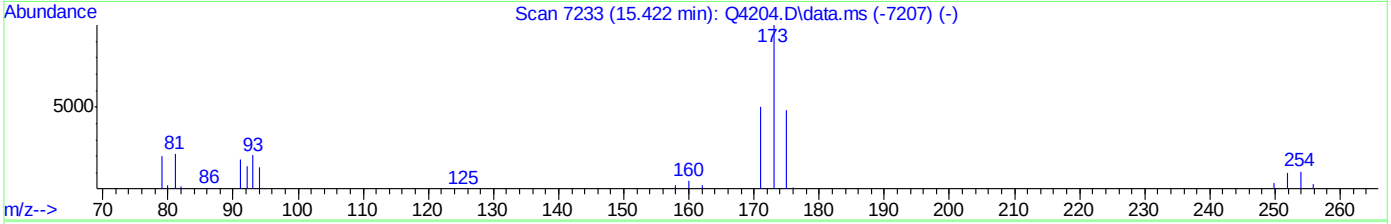
Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\
Data File : Q4209a.D
Acq On : 8 Aug 2007 9:36 am
Operator : danat
Sample : cc223-10 (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: Q4209a.D\data.ms

(60) BROMOFORM (m)

15.420min (-0.001) 10.28PPBV m

response 271541

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

ACCUTEST Laboratories M66579

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

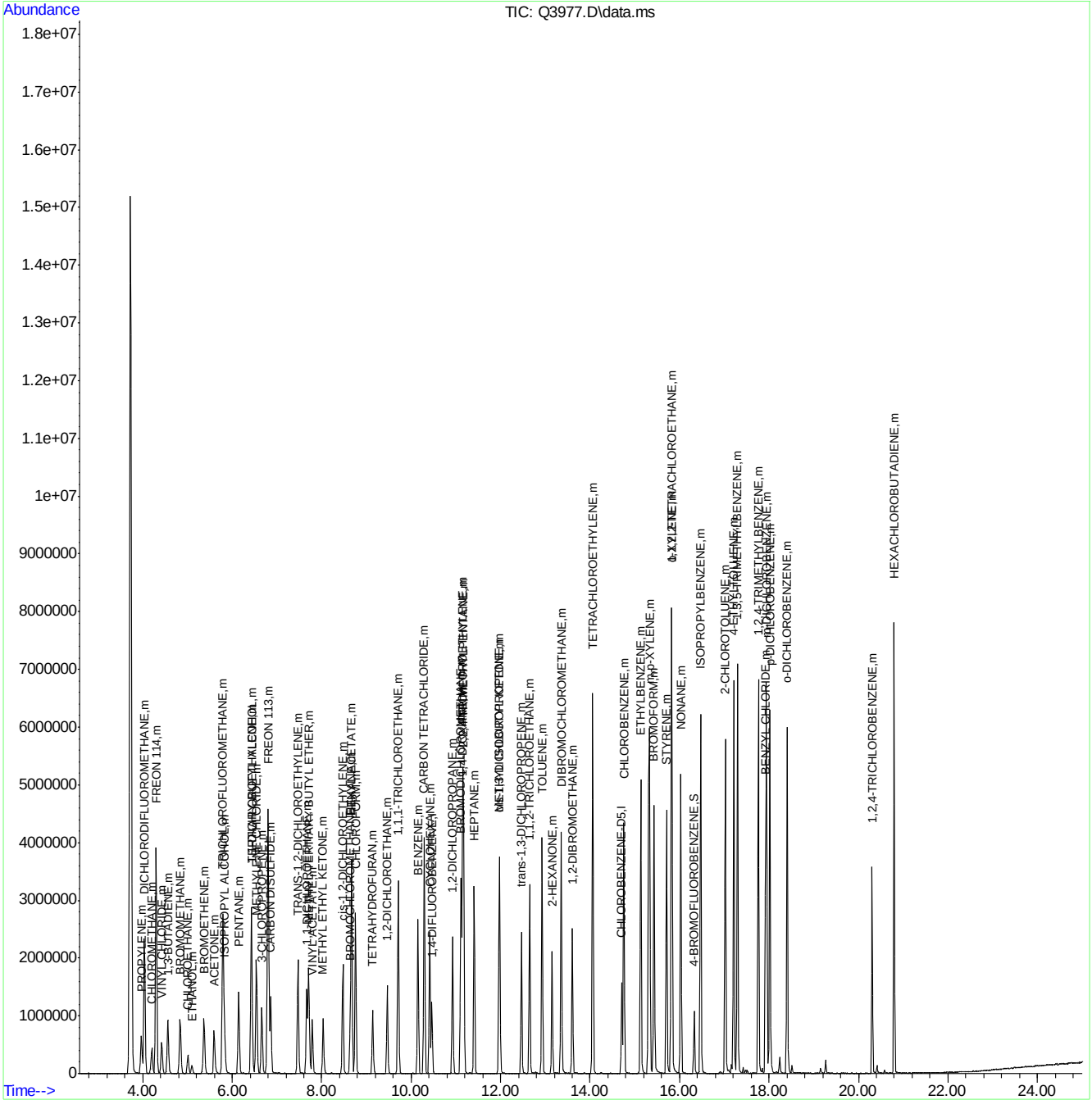
Internal Standards	R.T.	QIon	Response	Conc Units	Dev(Min)
44) METHYL ISOBUTYL KETONE	11.981	43	1520935	27.65 PPBV	99
45) cis-1,3-DICHLOROPROPENE	11.965	75	1207500	33.05 PPBV	94
46) TOLUENE	12.927	92	1581036	31.89 PPBV	99
47) trans-1,3-DICHLOROPROPENE	12.465	75	1165405	34.87 PPBV	95
48) 1,1,2-TRICHLOROETHANE	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



ACCUTEST Laboratories M66579

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

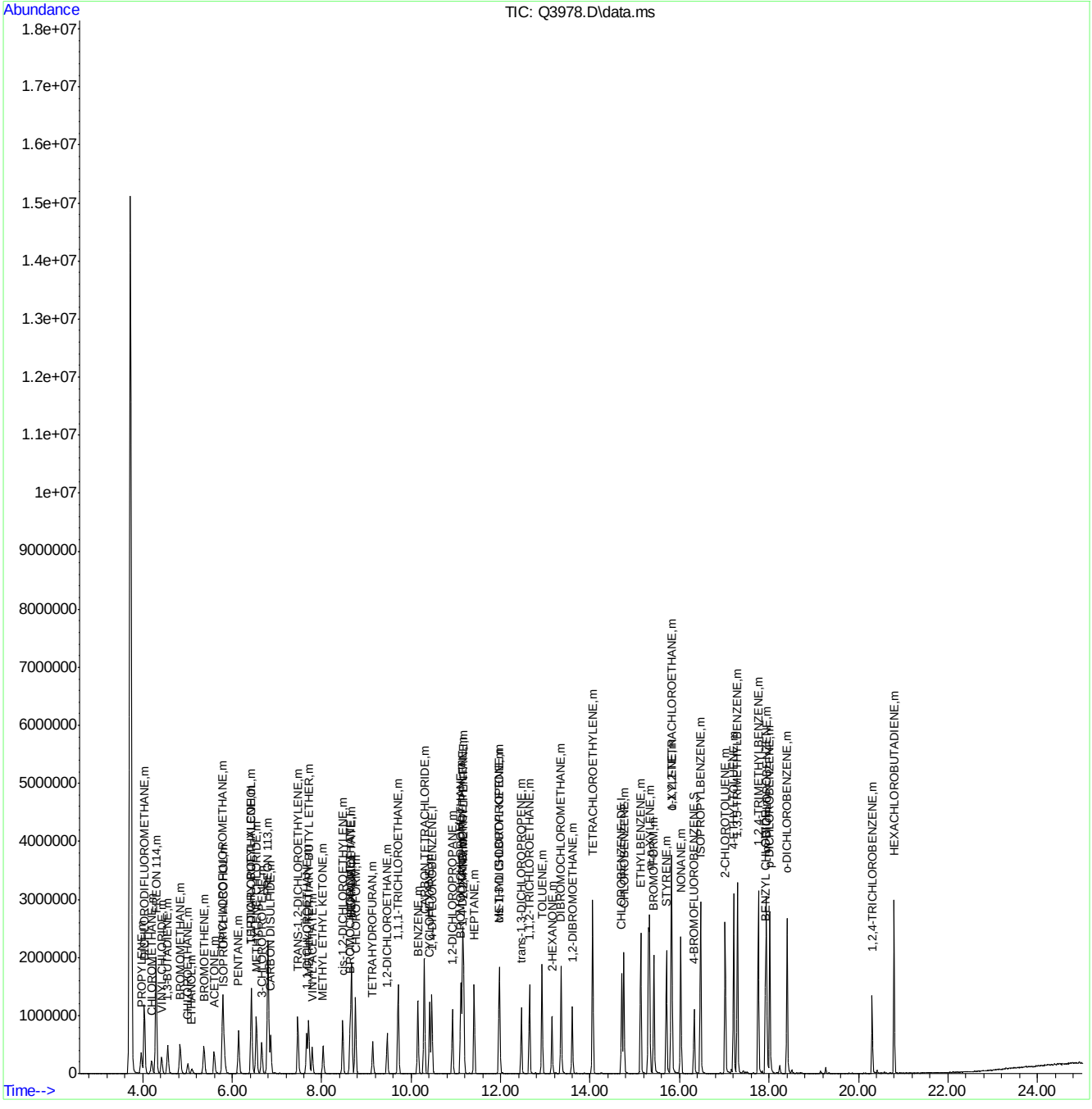
Internal Standards	R.T.	QIon	Response	Conc Units	Dev(Min)
44) METHYL ISOBUTYL KETONE	11.979	43	750728	19.65 PPBV	100
45) cis-1,3-DICHLOROPROPENE	11.963	75	549645	18.94 PPBV	99
46) TOLUENE	12.925	92	738920	19.10 PPBV	99
47) trans-1,3-DICHLOROPROPENE	12.462	75	533590	19.23 PPBV	99
48) 1,1,2-TRICHLOROETHANE	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

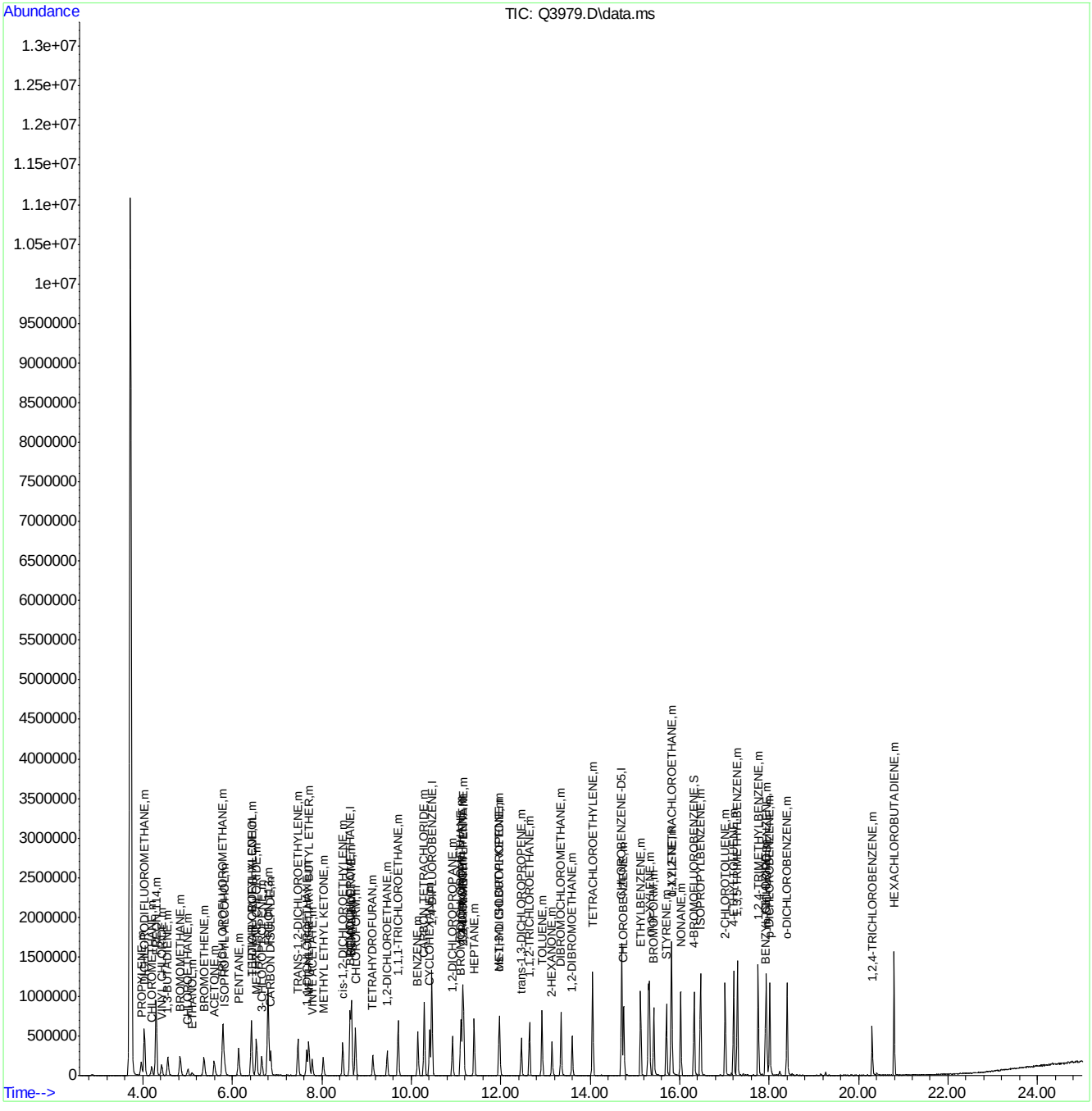
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) METHYL ISOBUTYL KETONE	11.977	43	329287	5.38	PPBV	98
45) cis-1,3-DICHLOROPROPENE	11.965	75	235451	5.79	PPBV	93
46) TOLUENE	12.923	92	321727	5.83	PPBV	99
47) trans-1,3-DICHLOROPROPENE	12.463	75	222144	5.97	PPBV	95
48) 1,1,2-TRICHLOROETHANE	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

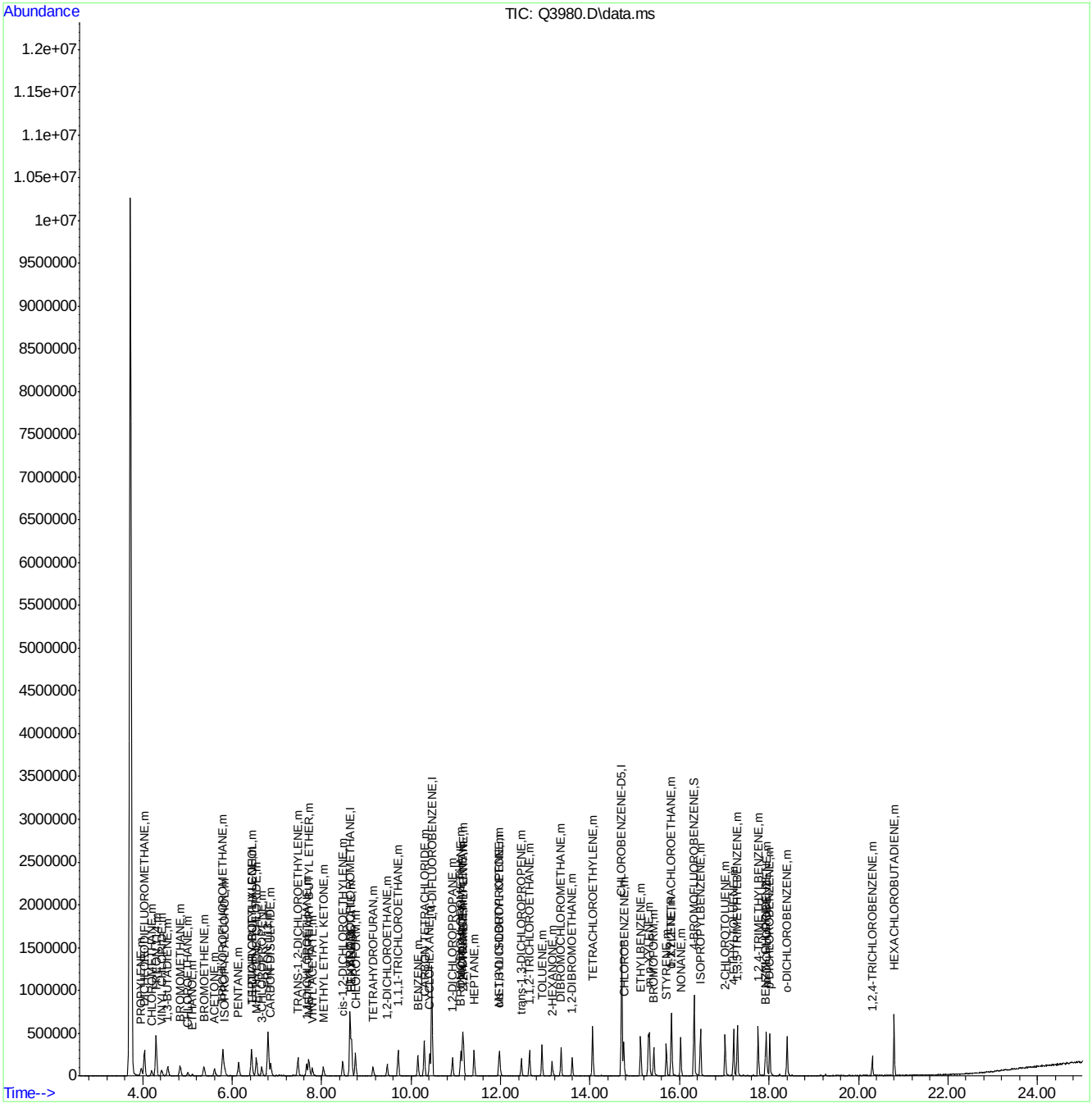
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) METHYL ISOBUTYL KETONE	11.981	43	137692	3.89	PPBV	99
45) cis-1,3-DICHLOROPROPENE	11.963	75	100108	3.77	PPBV	99
46) TOLUENE	12.927	92	137452	3.88	PPBV	100
47) trans-1,3-DICHLOROPROPENE	12.463	75	93432	3.66	PPBV	99
48) 1,1,2-TRICHLOROETHANE	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



ACCUTEST Laboratories M66579

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

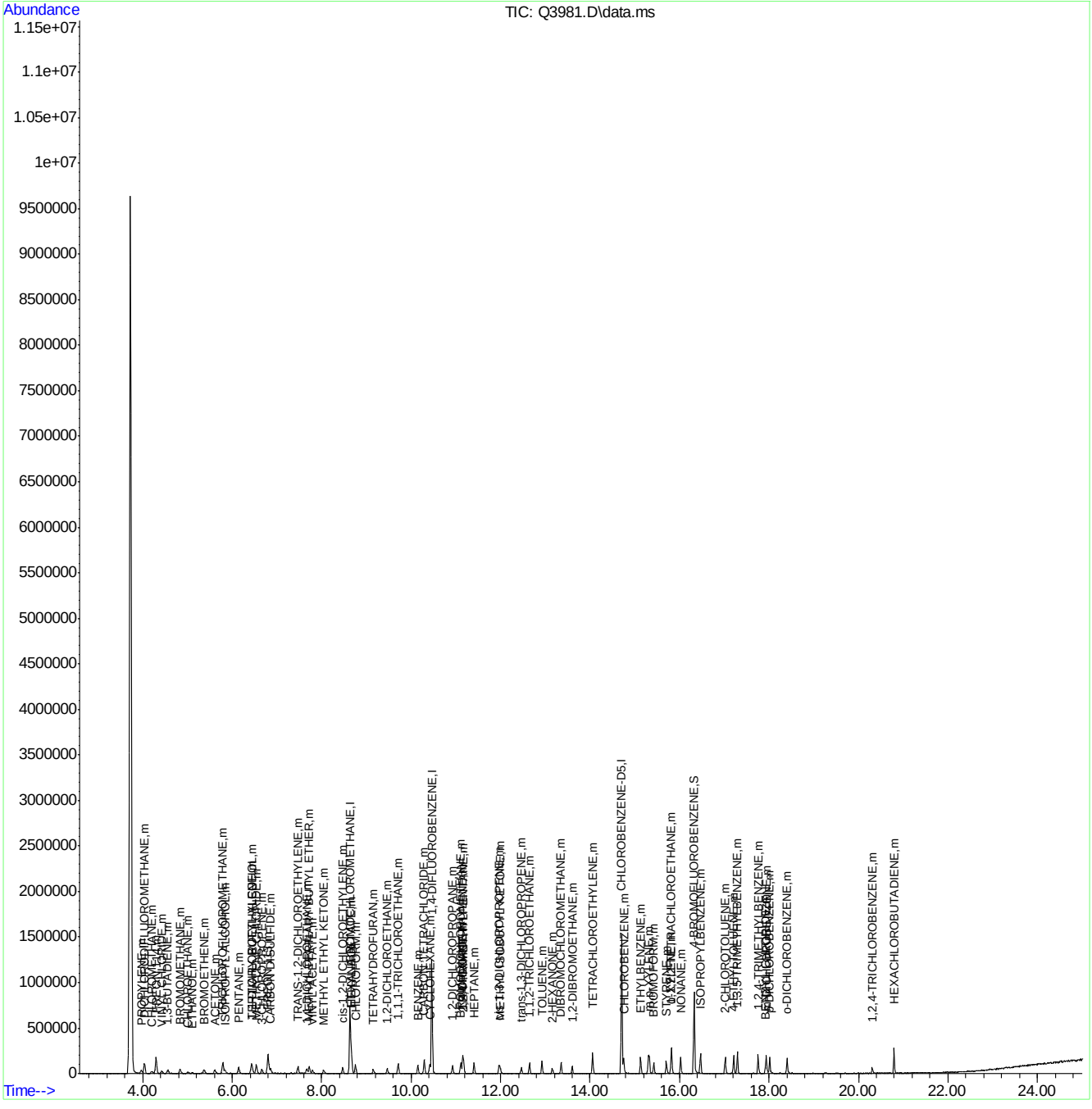
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) METHYL ISOBUTYL KETONE	11.986	43	54390	1.68	PPBV	98
45) cis-1,3-DICHLOROPROPENE	11.961	75	36320	1.50	PPBV	94
46) TOLUENE	12.923	92	52232	1.61	PPBV	96
47) trans-1,3-DICHLOROPROPENE	12.465	75	34173	1.48	PPBV	97
48) 1,1,2-TRICHLOROETHANE	12.646	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

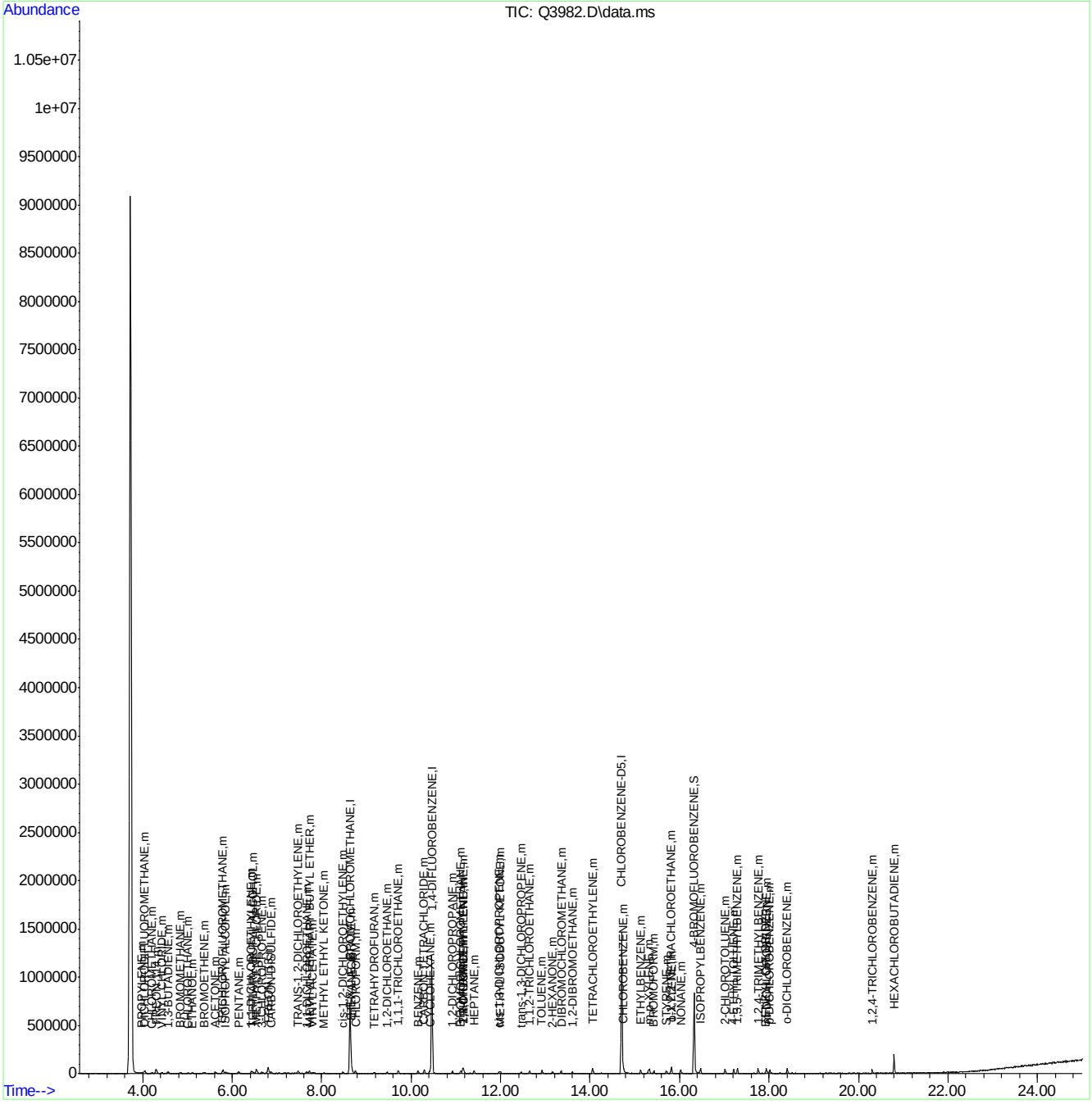
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) METHYL ISOBUTYL KETONE	11.993	43	13986	0.46	PPBV	96
45) cis-1,3-DICHLOROPROPENE	11.966	75	9146	0.41	PPBV	93
46) TOLUENE	12.918	92	13119	0.43	PPBV	100
47) trans-1,3-DICHLOROPROPENE	12.462	75	7753	0.36	PPBV	94
48) 1,1,2-TRICHLOROETHANE	12.643	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

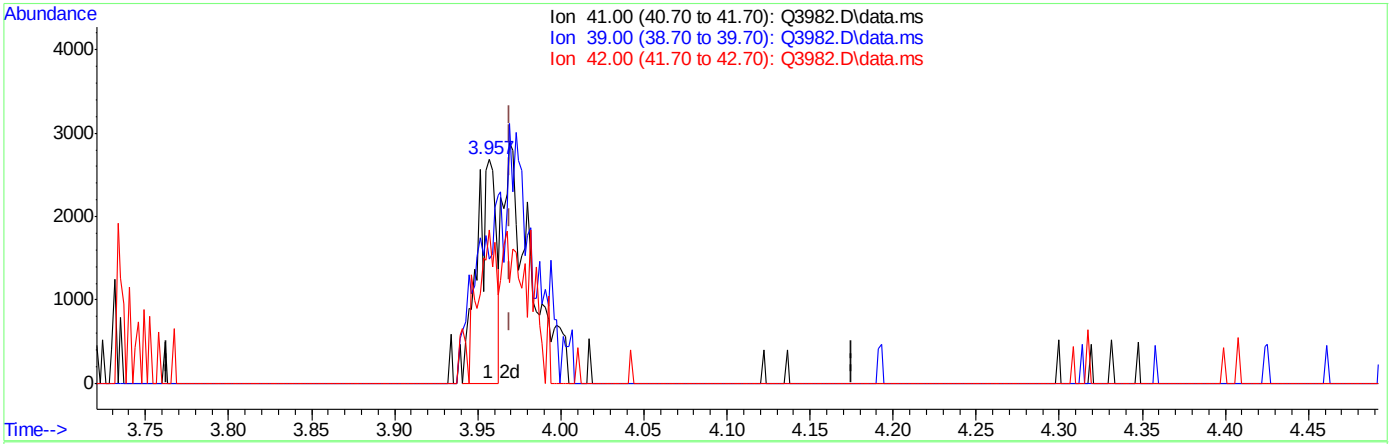


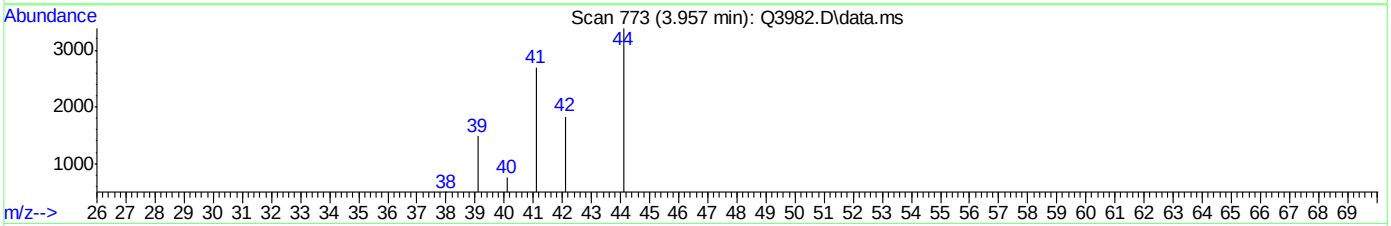
ACCUTEST Laboratories M66579

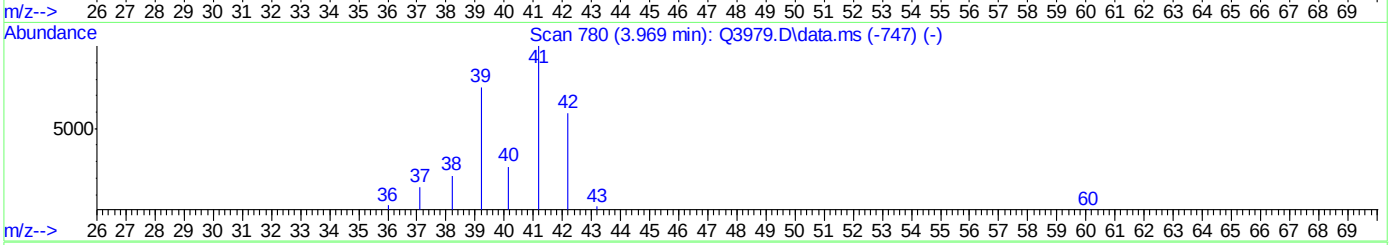
Quantitation Report (Qedit)

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

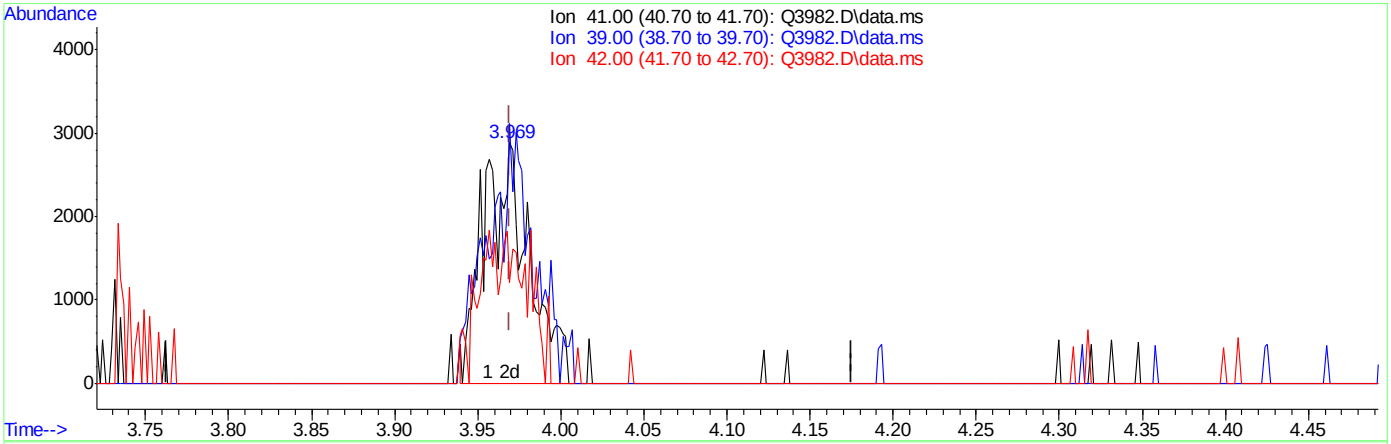
response 2110

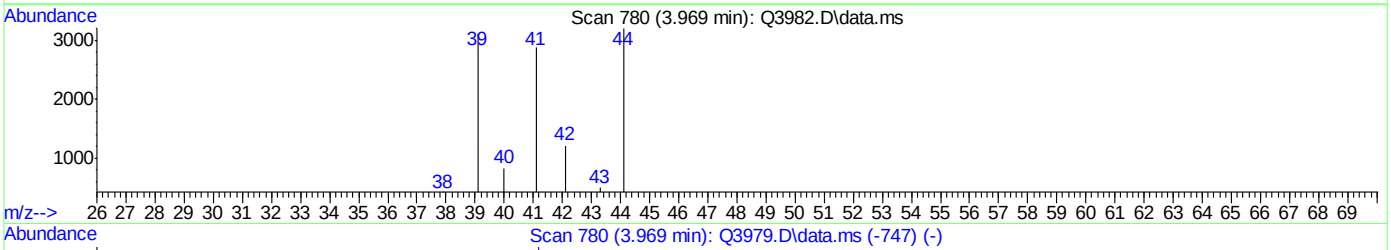
Ion	Exp%	Act%
41.00	100	100
39.00	75.10	55.29
42.00	59.30	68.24
0.00	0.00	0.00

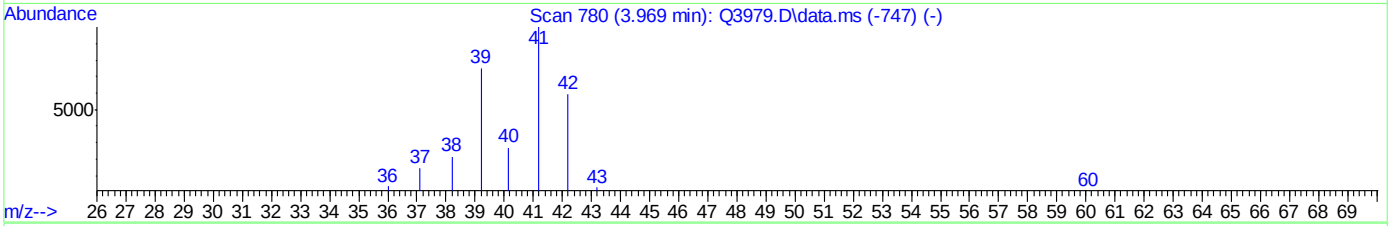
Quantitation Report (Qedit)

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

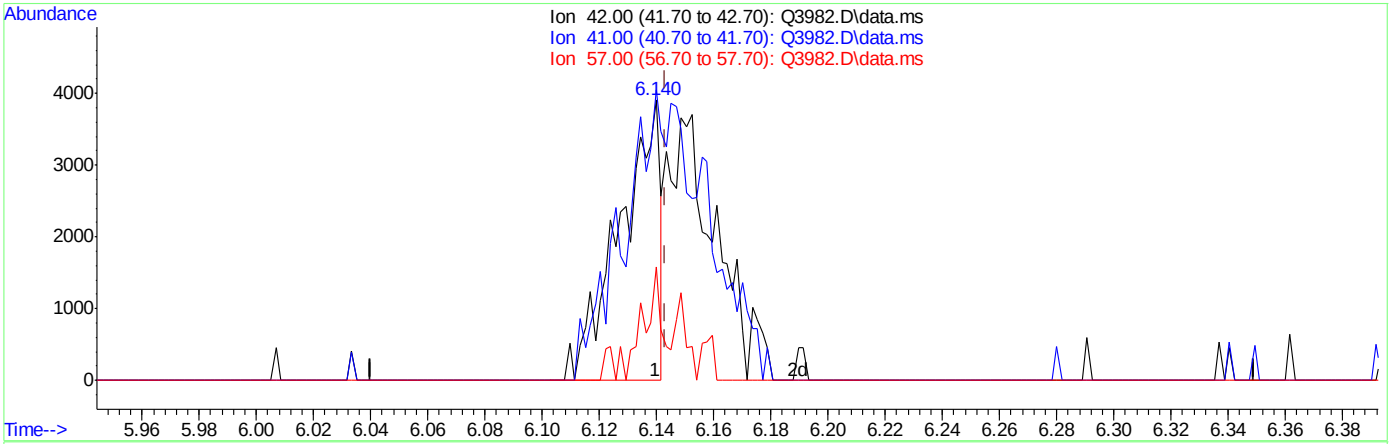
Ion	Exp%	Act%
41.00	100	100
39.00	75.10	108.01#
42.00	59.30	41.83
0.00	0.00	0.00

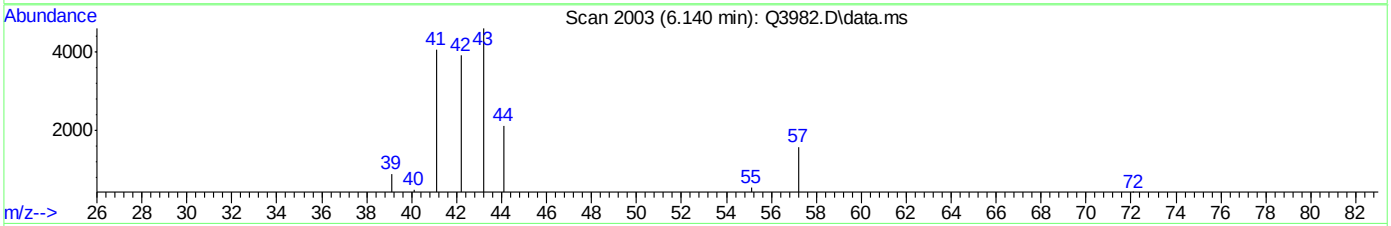
ACCUTEST Laboratories M66579

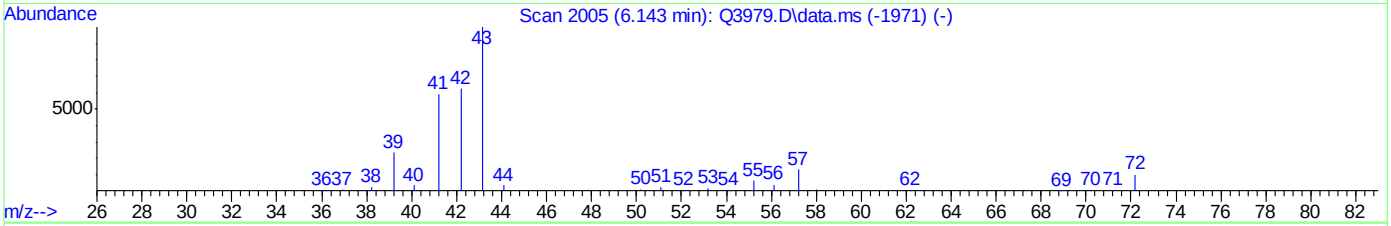
Quantitation Report (Qedit)

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

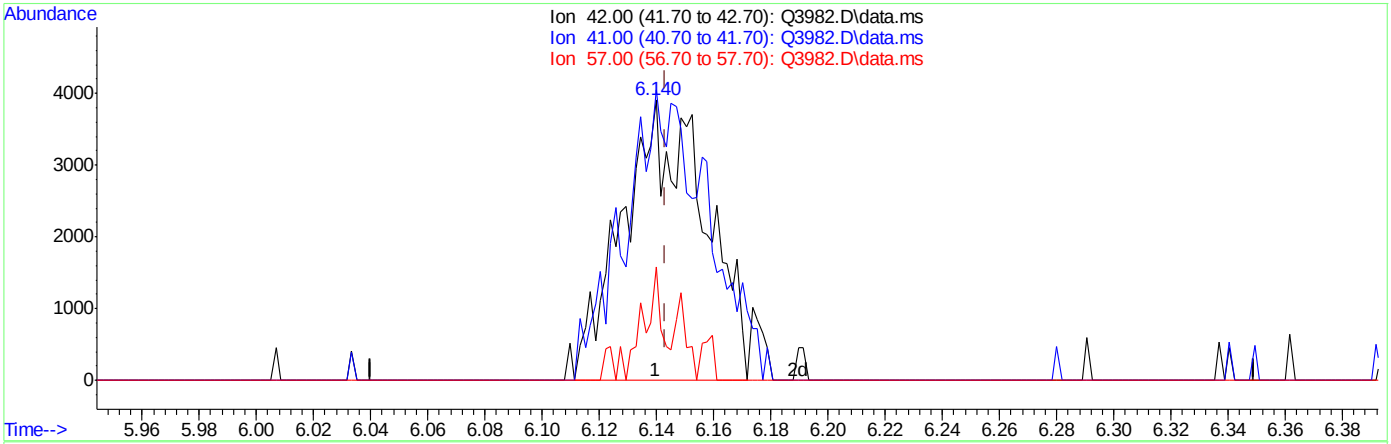
Ion	Exp%	Act%
42.00	100	100
41.00	102.30	212.17#
57.00	25.00	22.02
0.00	0.00	0.00

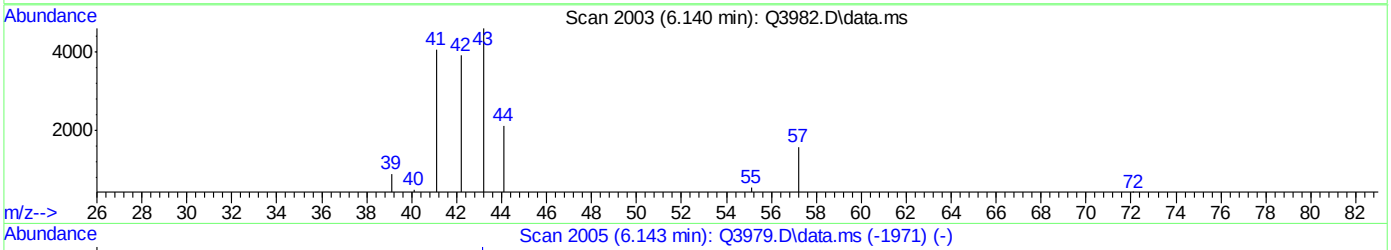
ACCUTEST Laboratories M66579

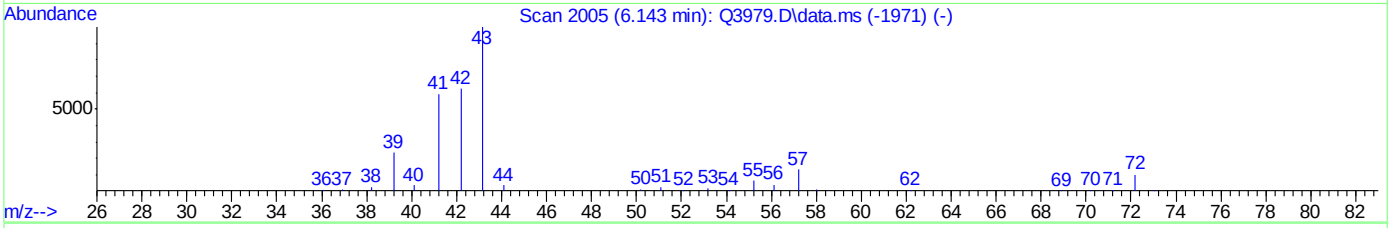
Quantitation Report (Qedit)

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

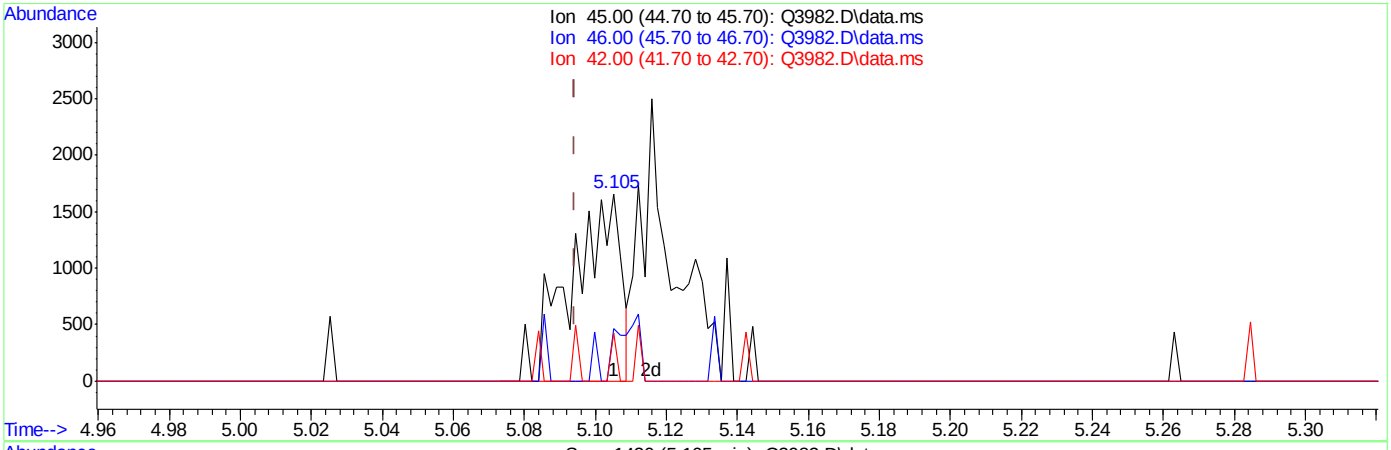
response 7782

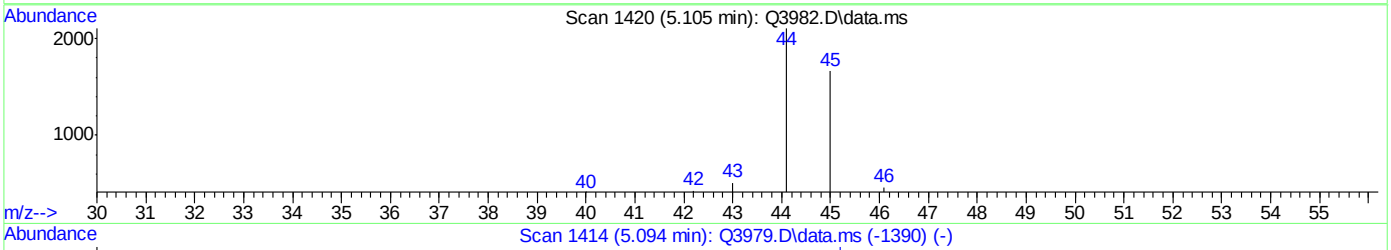
Ion	Exp%	Act%
42.00	100	100
41.00	102.30	104.86
57.00	25.00	10.88
0.00	0.00	0.00

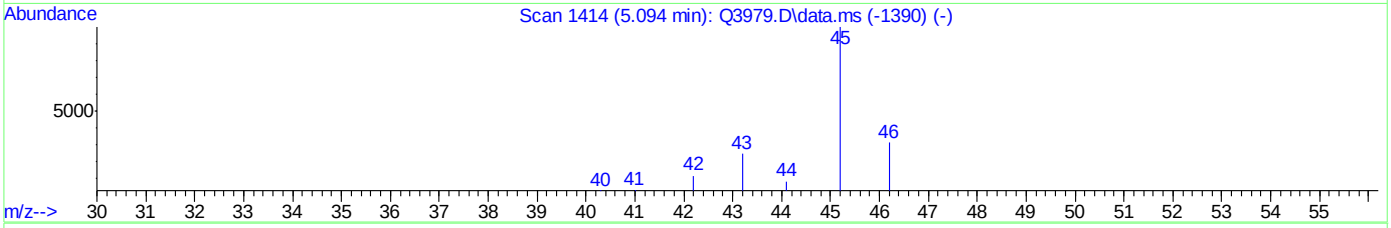
Quantitation Report (Qedit)

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

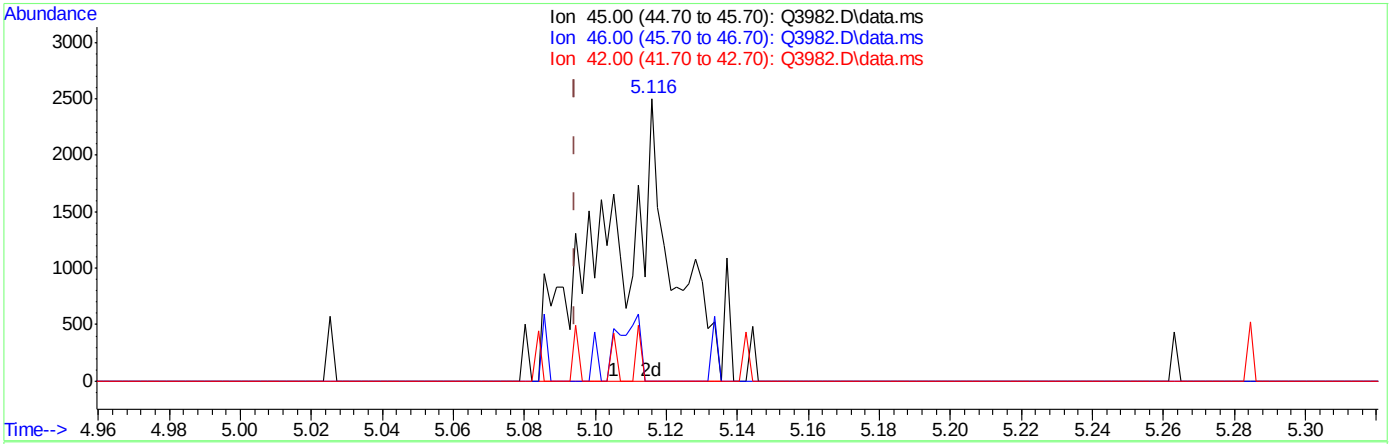
response 1592

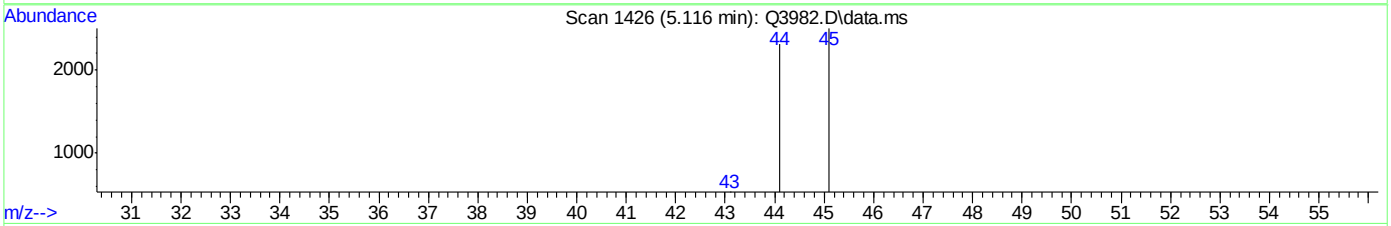
Ion	Exp%	Act%
45.00	100	100
46.00	33.80	0.00#
42.00	5.90	2.89
0.00	0.00	0.00

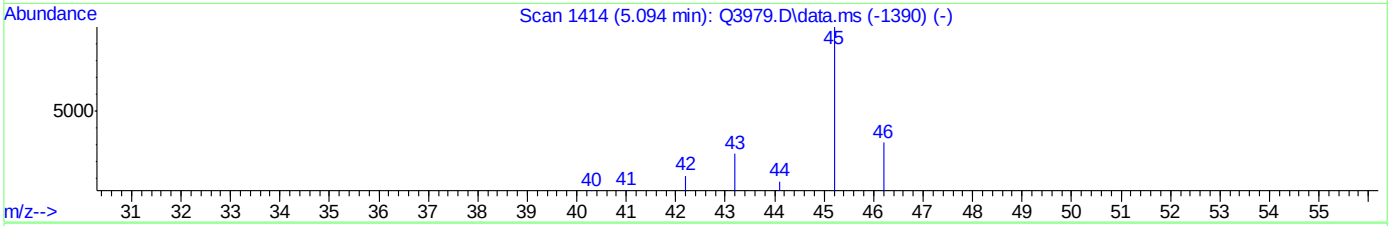
Quantitation Report (Qedit)

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

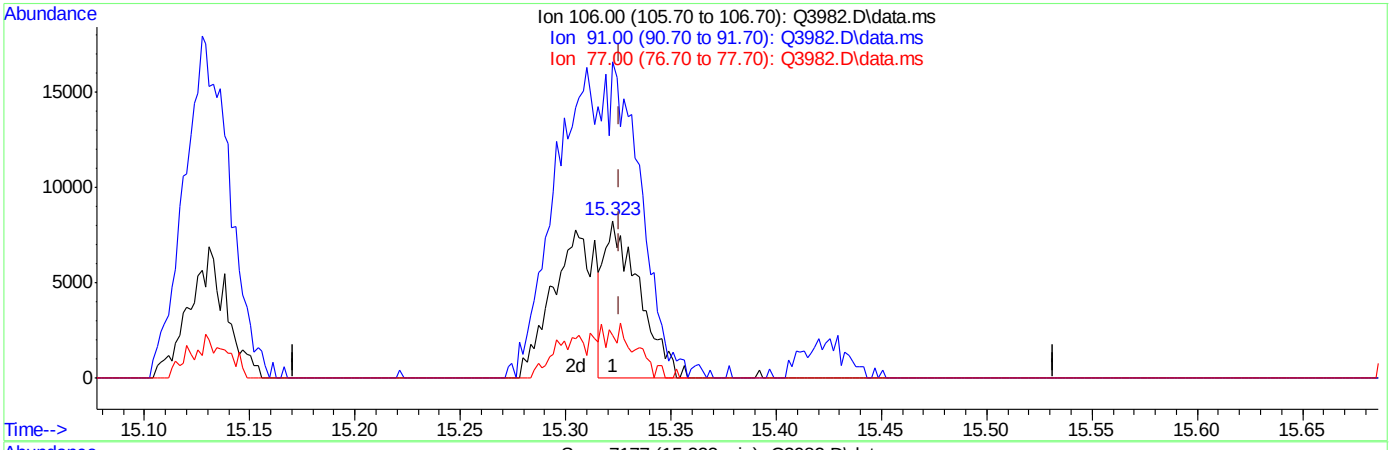
Ion	Exp%	Act%
45.00	100	100
46.00	33.80	0.00#
42.00	5.90	1.46
0.00	0.00	0.00

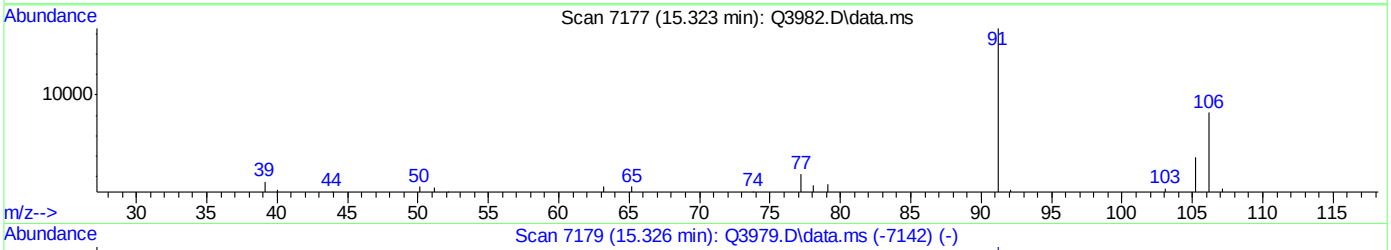
ACCUTEST Laboratories M66579

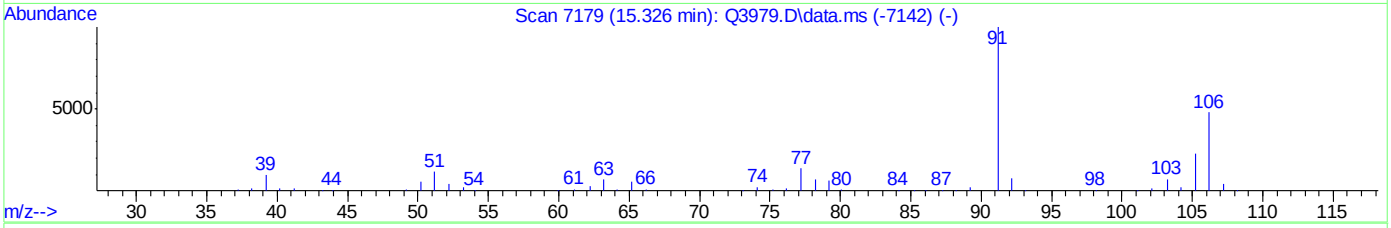
Quantitation Report (Qedit)

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

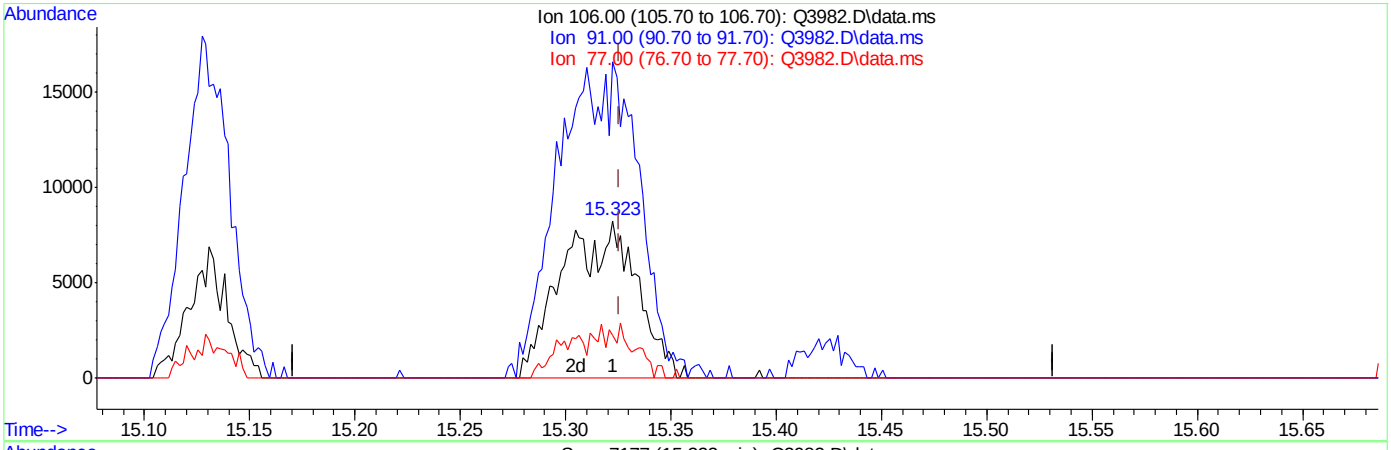
response 9643

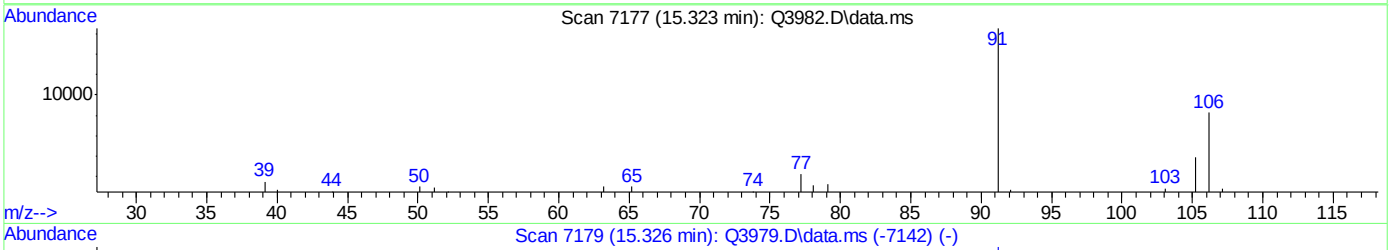
Ion	Exp%	Act%
106.00	100	100
91.00	209.40	200.63
77.00	28.30	26.84
0.00	0.00	0.00

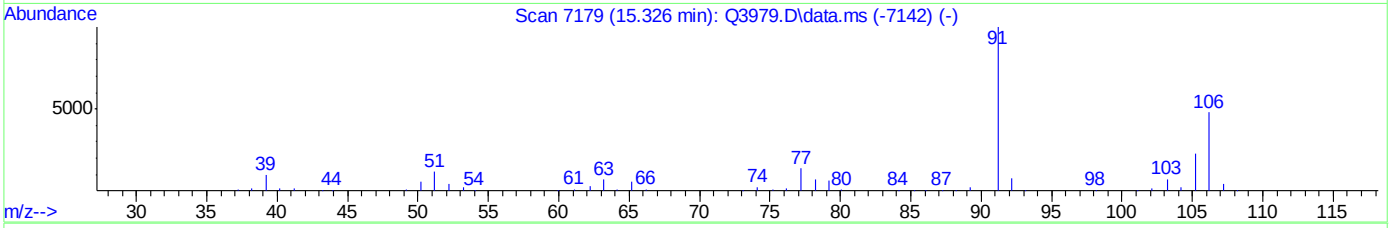
Quantitation Report (Qedit)

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

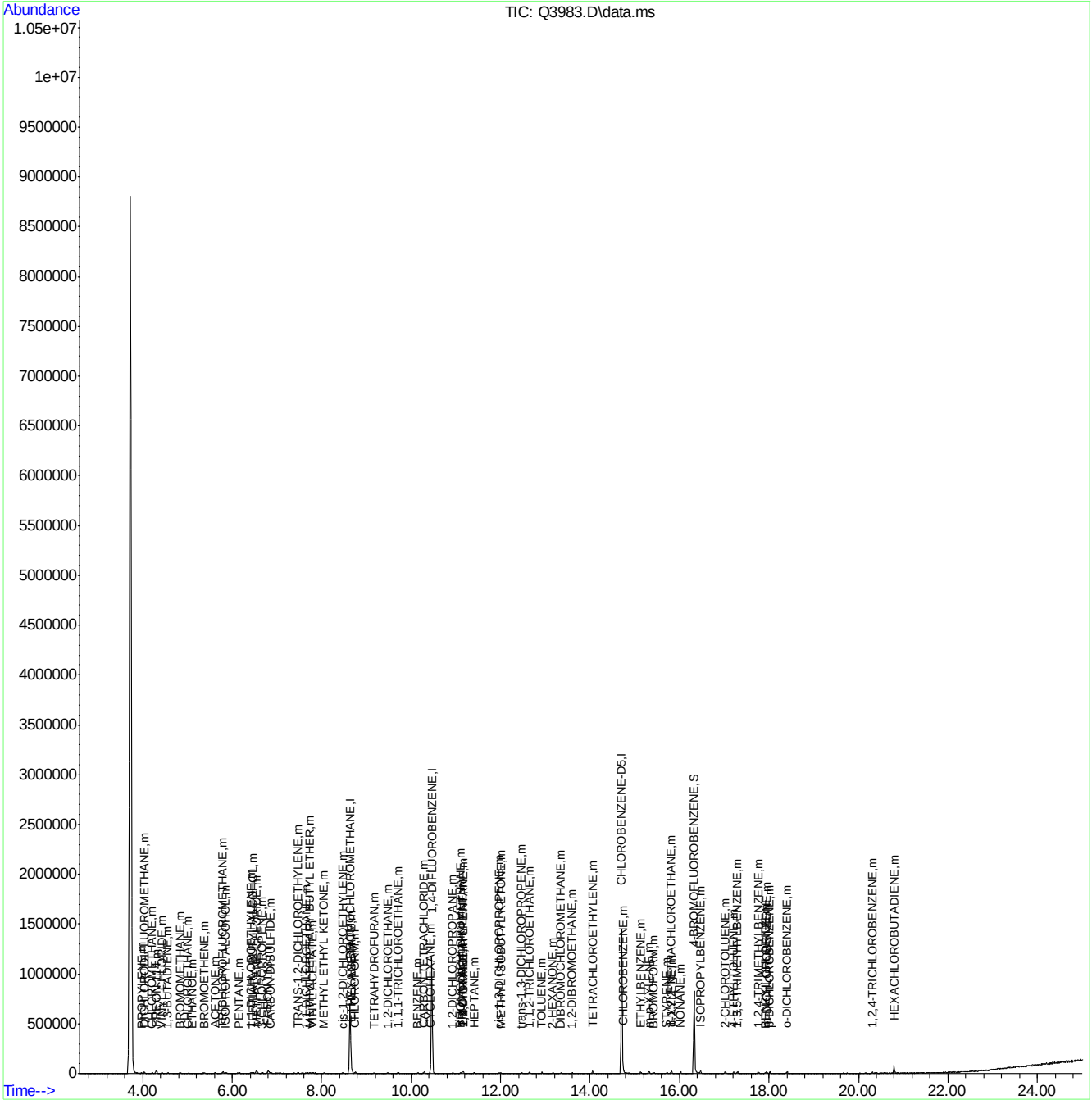
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) METHYL ISOBUTYL KETONE	11.993	43	5126	0.18	PPBV	79
45) cis-1,3-DICHLOROPROPENE	11.966	75	3767	0.18	PPBV	89
46) TOLUENE	12.921	92	5790	0.20	PPBV	92
47) trans-1,3-DICHLOROPROPENE	12.469	75	2850	0.15	PPBV #	38
48) 1,1,2-TRICHLOROETHANE	12.644	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

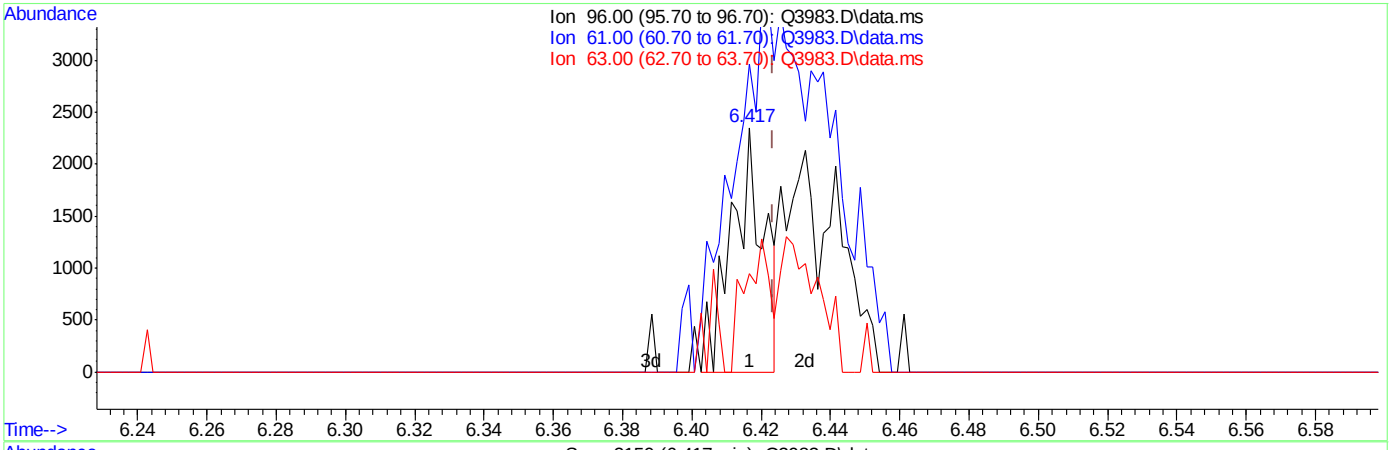
Quant Time: Jul 17 08:24:58 2007
Quant Method : C:\msdchem\1\METHODS\Q071607T.m
Quant Title : TO15 by GCMS w/DB-1 60 m X .25 mm ID 1.0 um
QLast Update : Tue Jul 17 08:21:05 2007
Response via : Initial Calibration

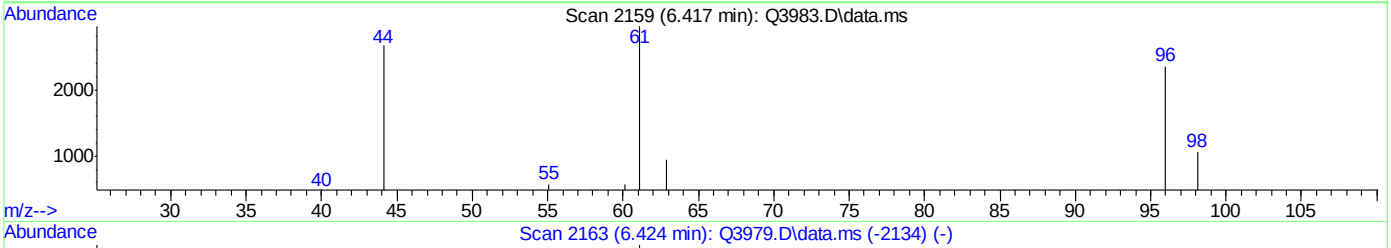


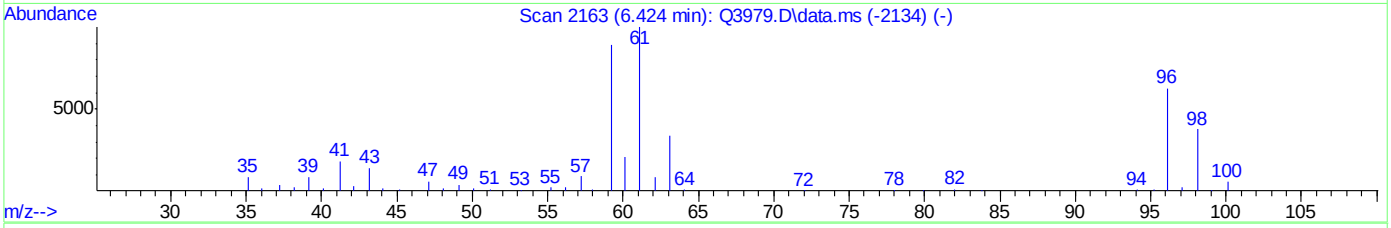
Quantitation Report (Qedit)

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

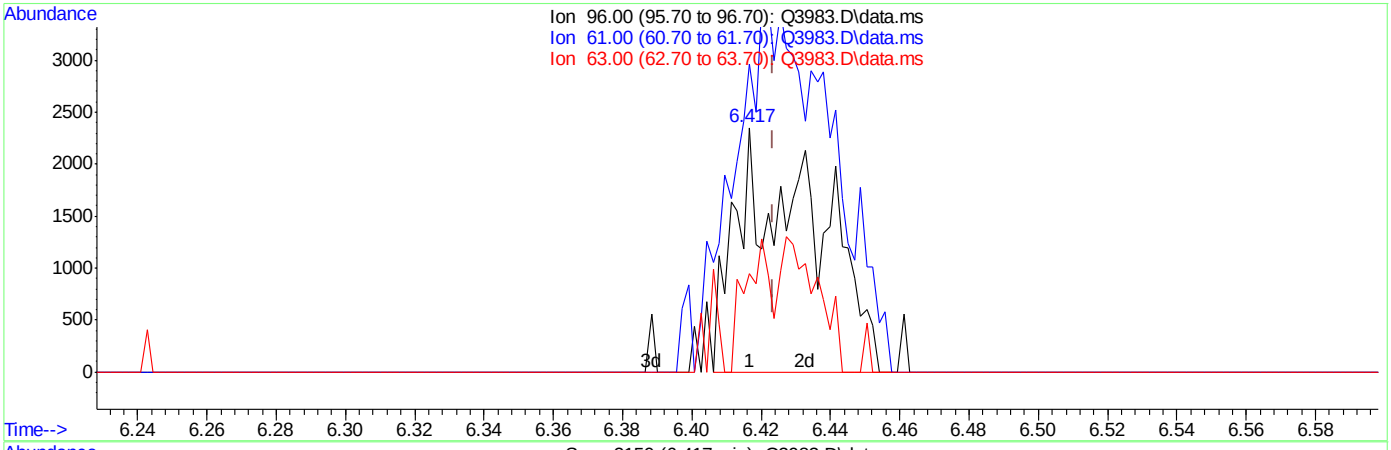
response 1536

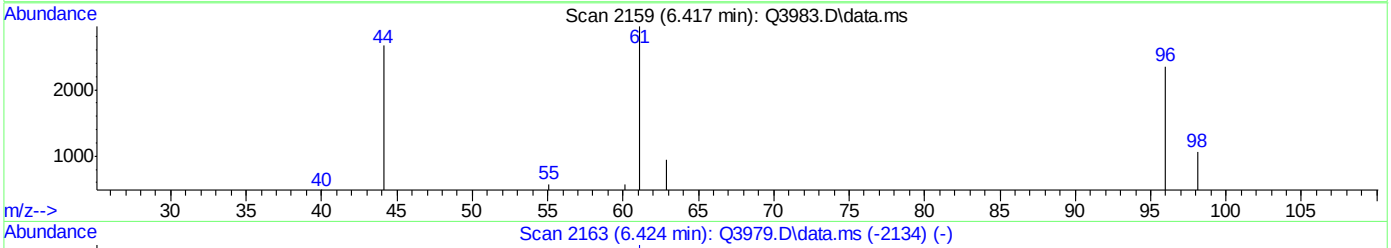
Ion	Exp%	Act%
96.00	100	100
61.00	168.60	458.46#
63.00	54.00	42.64
0.00	0.00	0.00

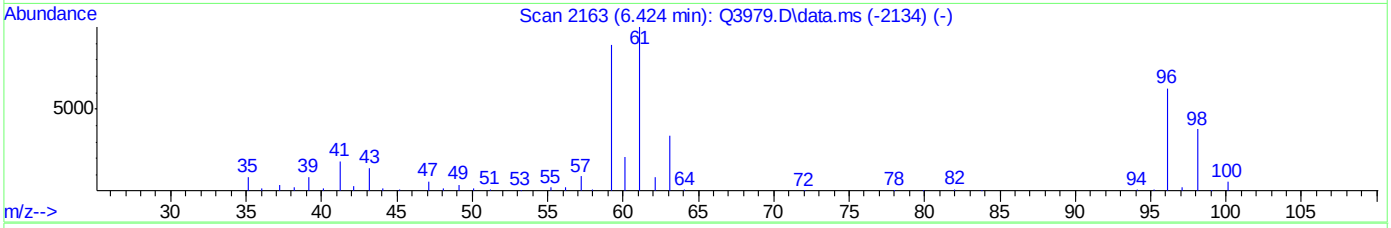
Quantitation Report (Qedit)

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

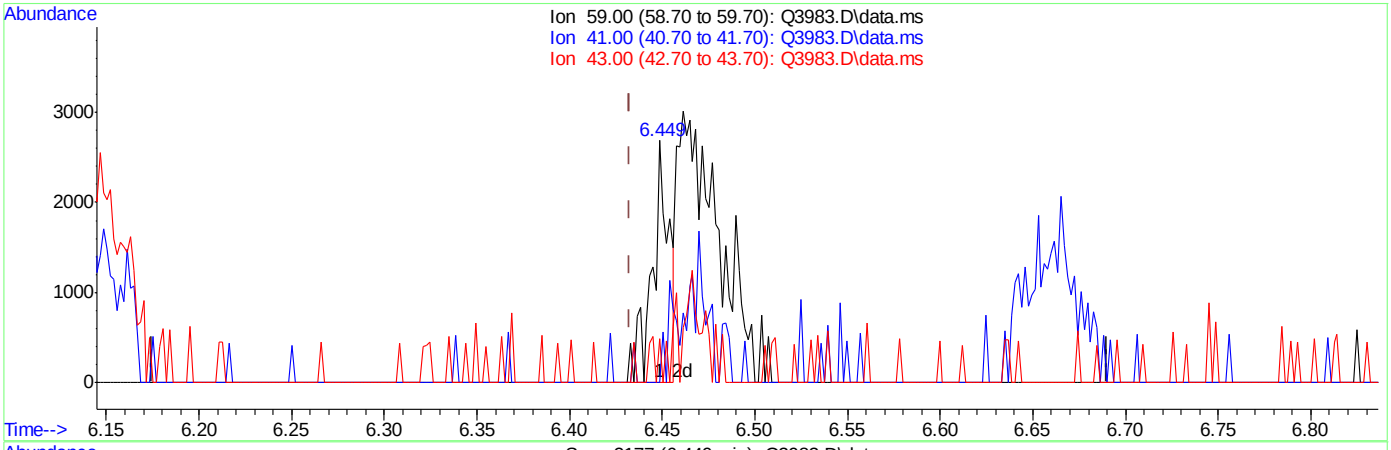
Ion	Exp%	Act%
96.00	100	100
61.00	168.60	191.05#
63.00	54.00	17.77#
0.00	0.00	0.00

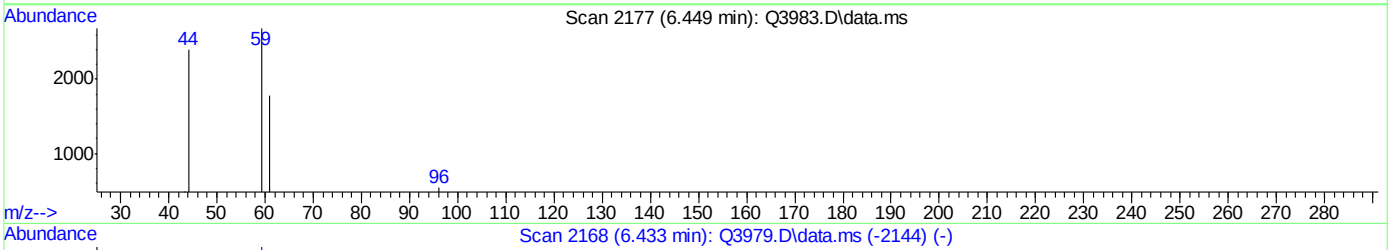
ACCUTEST Laboratories M66579

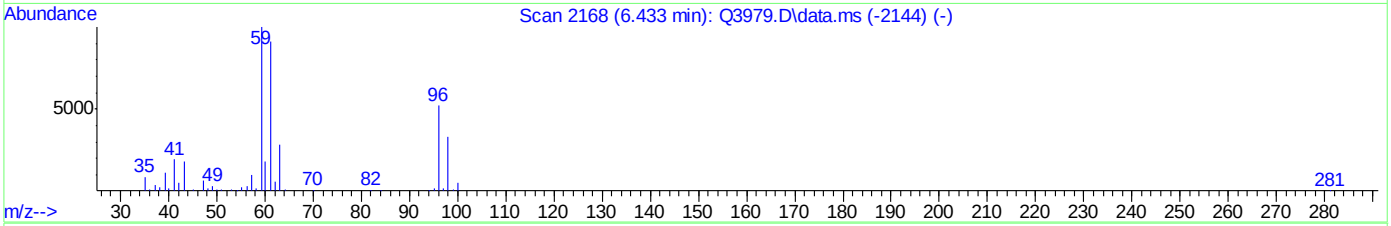
Quantitation Report (Qedit)

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

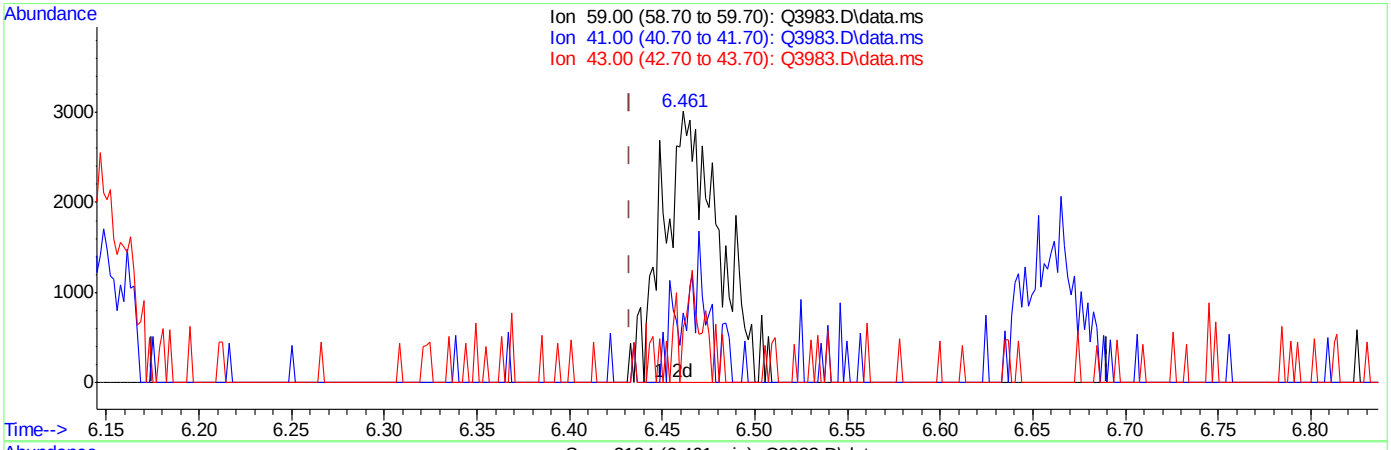
response 1658

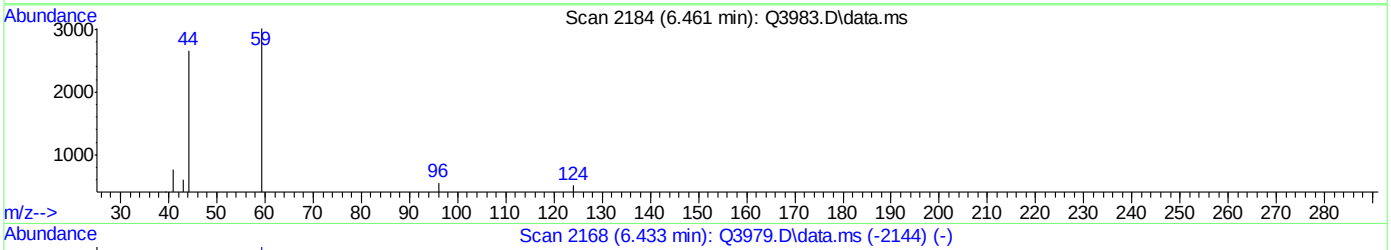
Ion	Exp%	Act%
59.00	100	100
41.00	20.70	0.00#
43.00	17.30	2.90
0.00	0.00	0.00

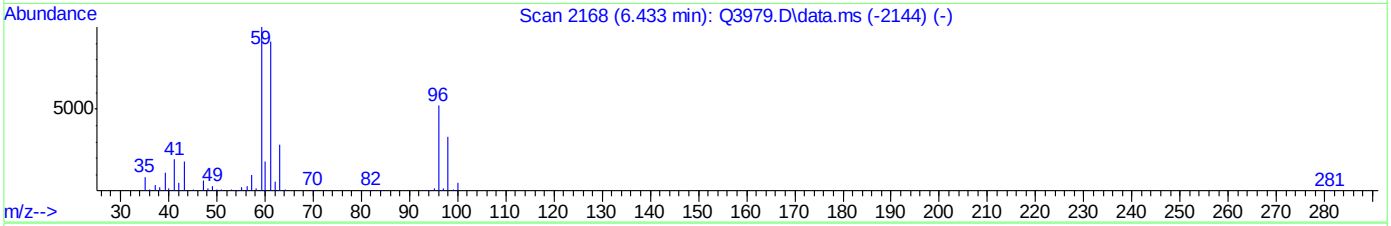
Quantitation Report (Qedit)

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

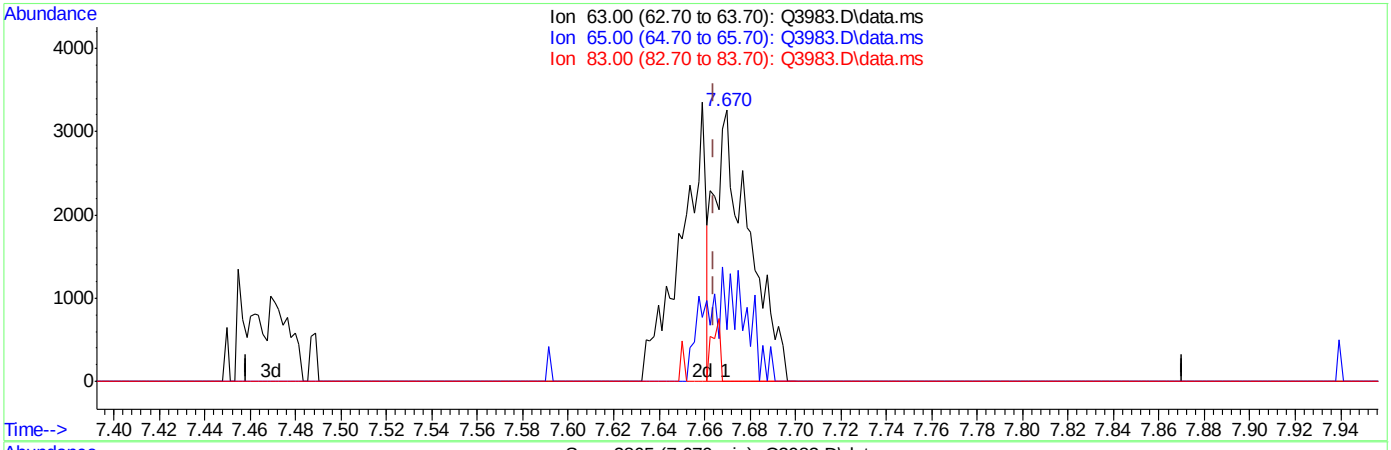
response 5983

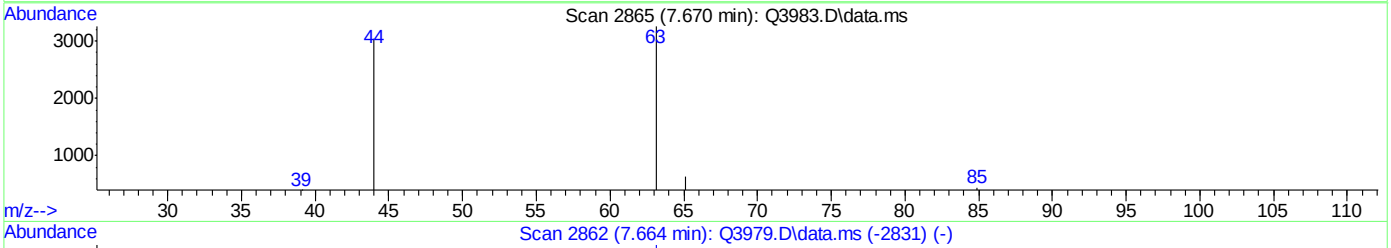
Ion	Exp%	Act%
59.00	100	100
41.00	20.70	0.00#
43.00	17.30	0.80
0.00	0.00	0.00

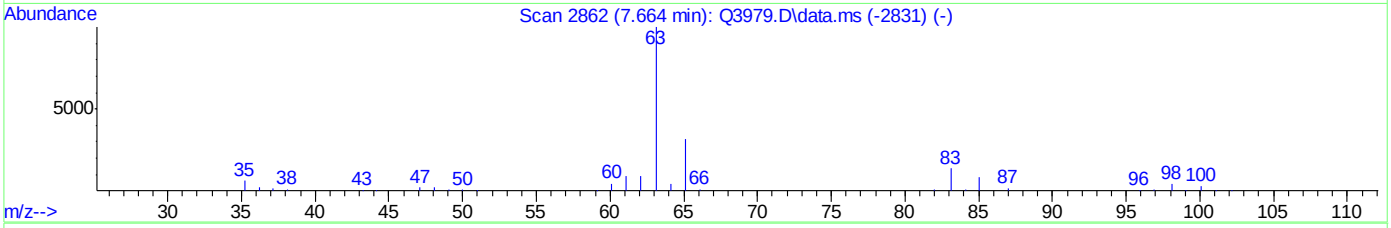
Quantitation Report (Qedit)

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

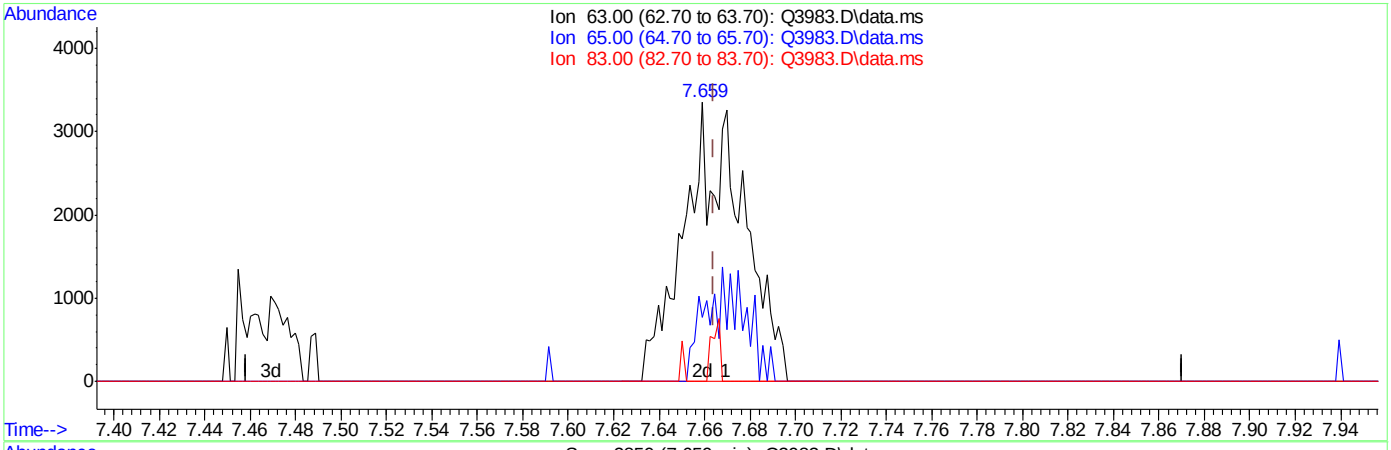
response 3451

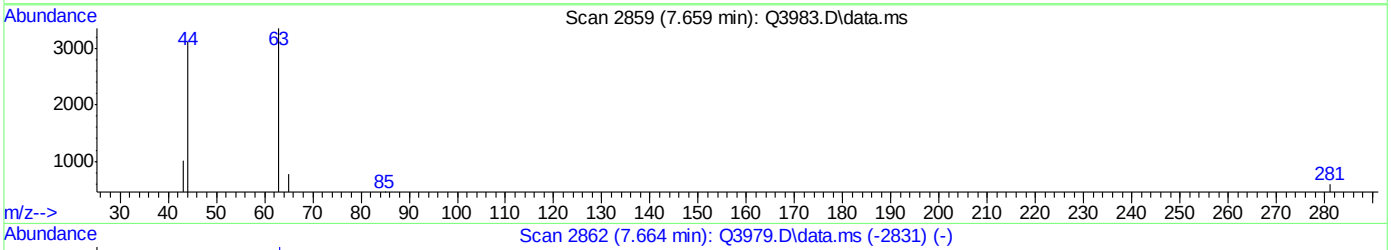
Ion	Exp%	Act%
63.00	100	100
65.00	31.70	46.10
83.00	15.00	5.56
0.00	0.00	0.00

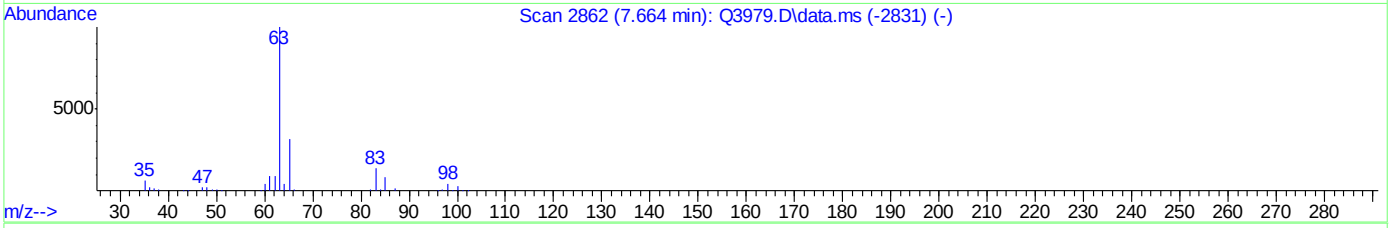
Quantitation Report (Qedit)

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

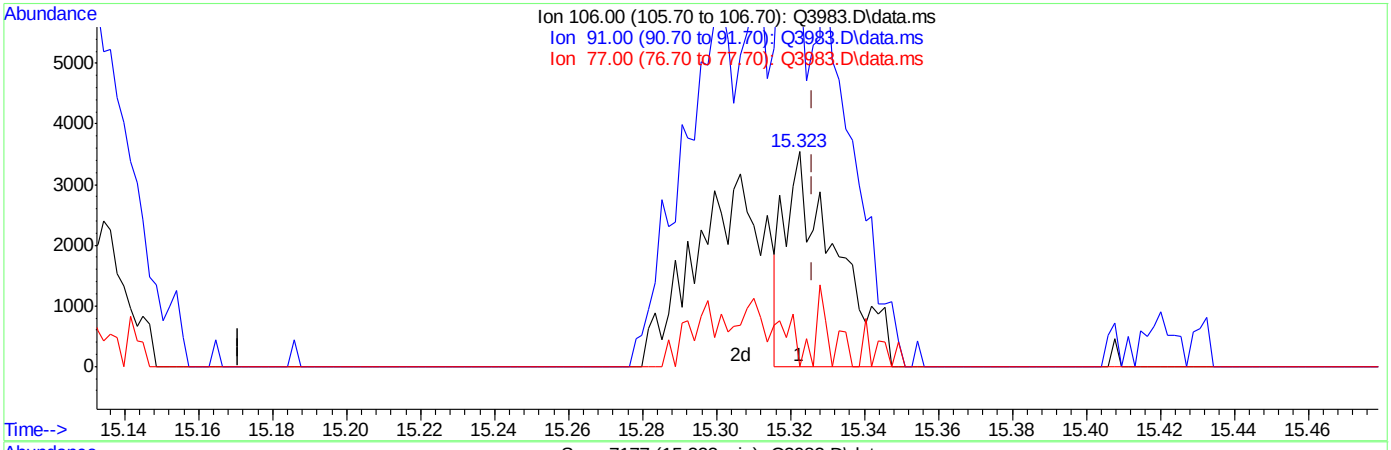
response 5973

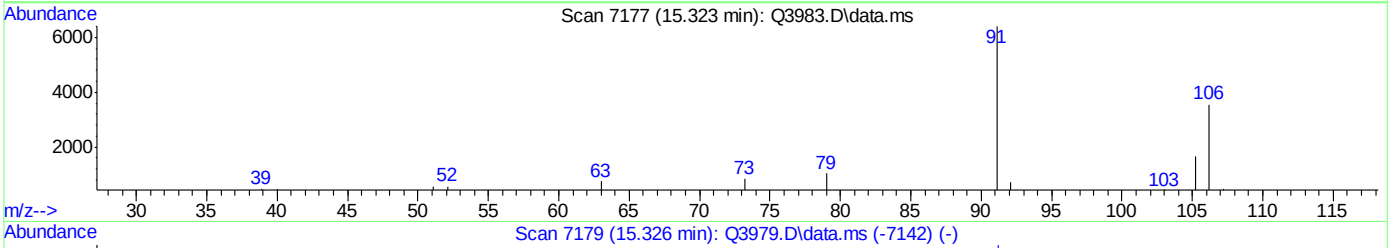
Ion	Exp%	Act%
63.00	100	100
65.00	31.70	26.64
83.00	15.00	3.21
0.00	0.00	0.00

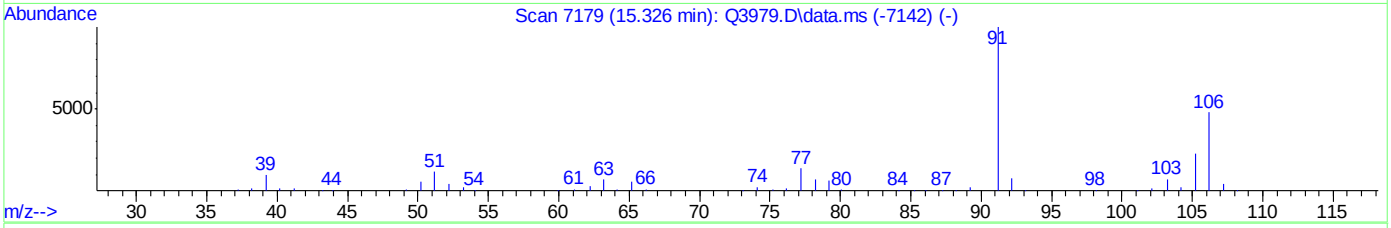
Quantitation Report (Qedit)

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

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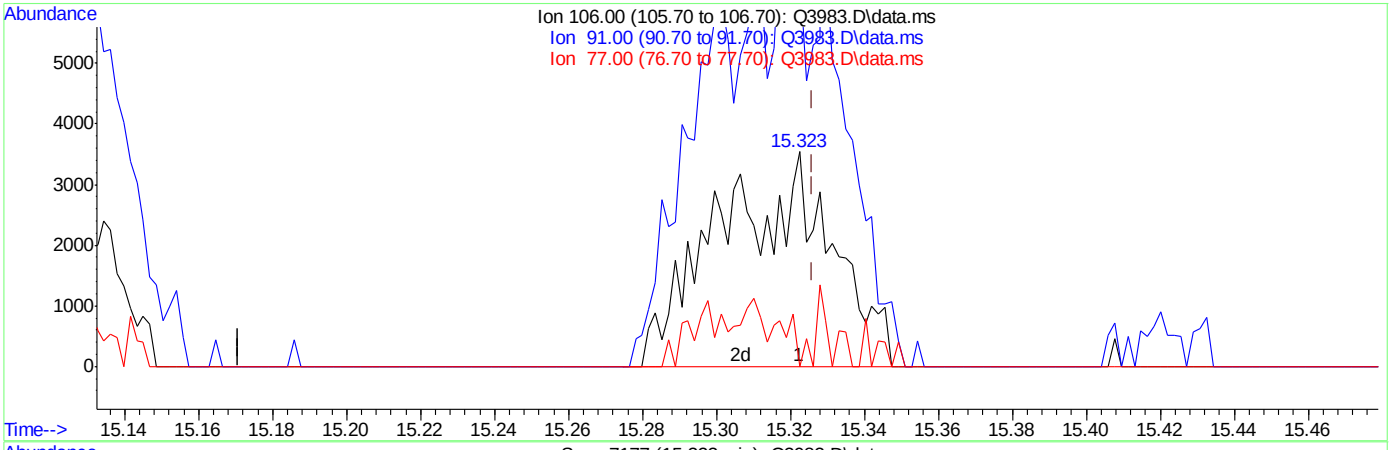
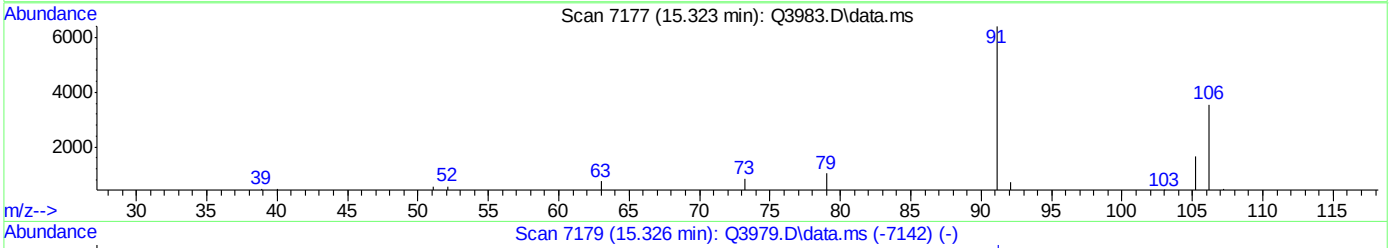
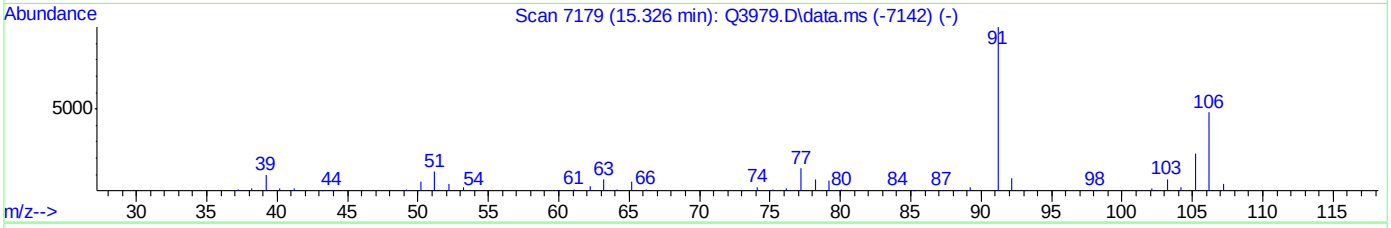
Quantitation Report (Qedit)

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) 0.31PPBV m

response 7451

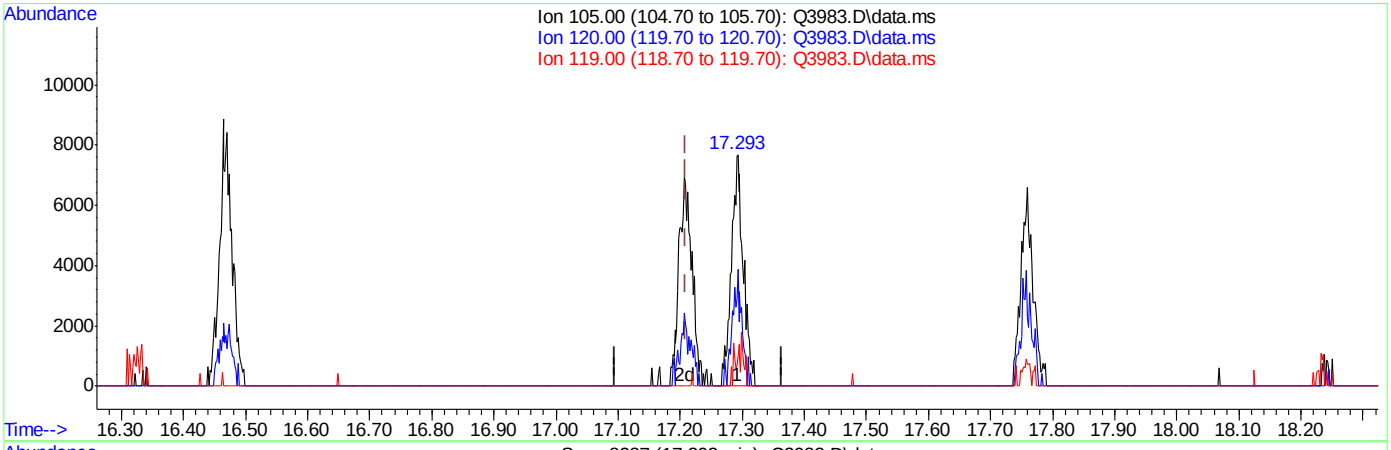
Ion	Exp%	Act%
106.00	100	100
91.00	209.40	180.76
77.00	28.30	0.00#
0.00	0.00	0.00

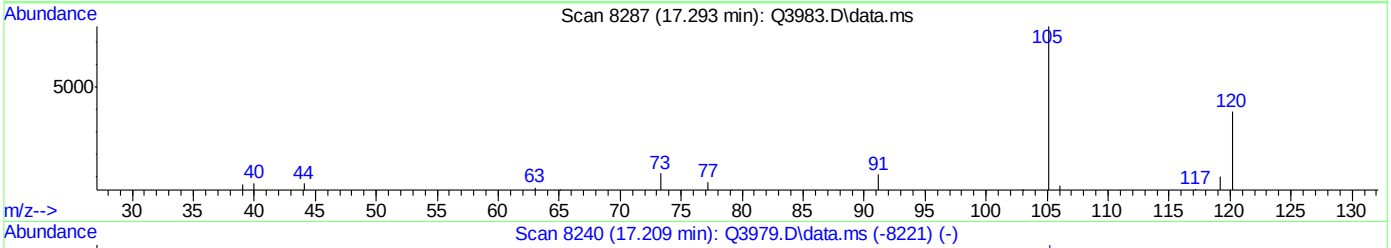
ACCUTEST Laboratories M66579

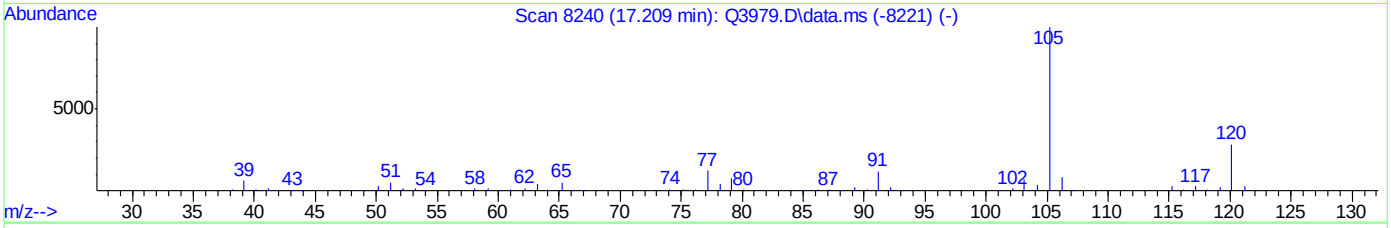
Quantitation Report (Qedit)

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

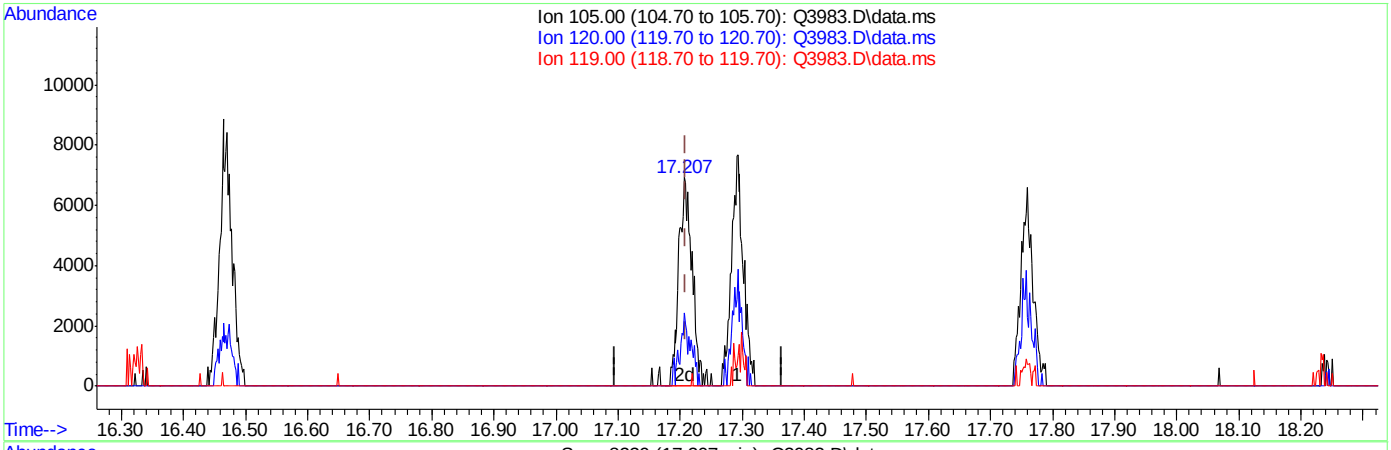
response 10770

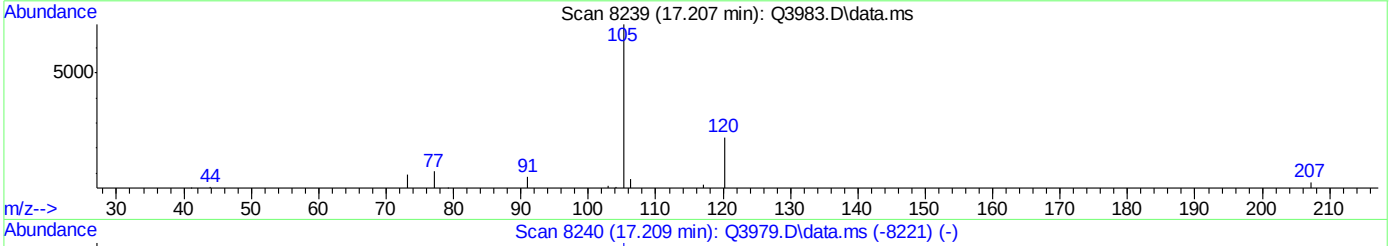
Ion	Exp%	Act%
105.00	100	100
120.00	27.80	40.06
119.00	2.20	9.79
0.00	0.00	0.00

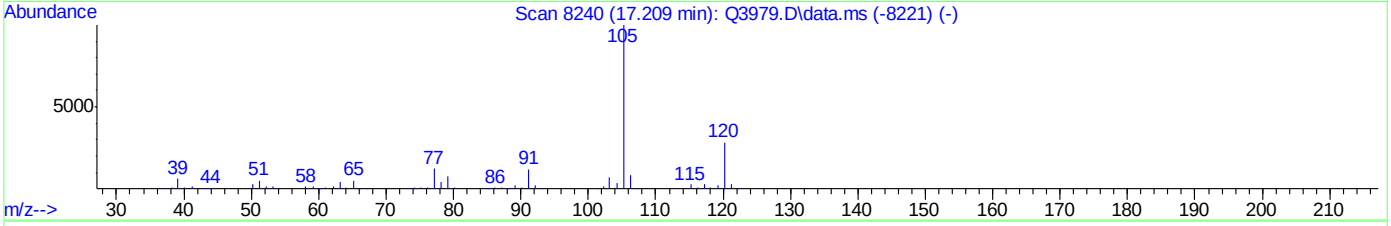
Quantitation Report (Qedit)

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 M66579

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

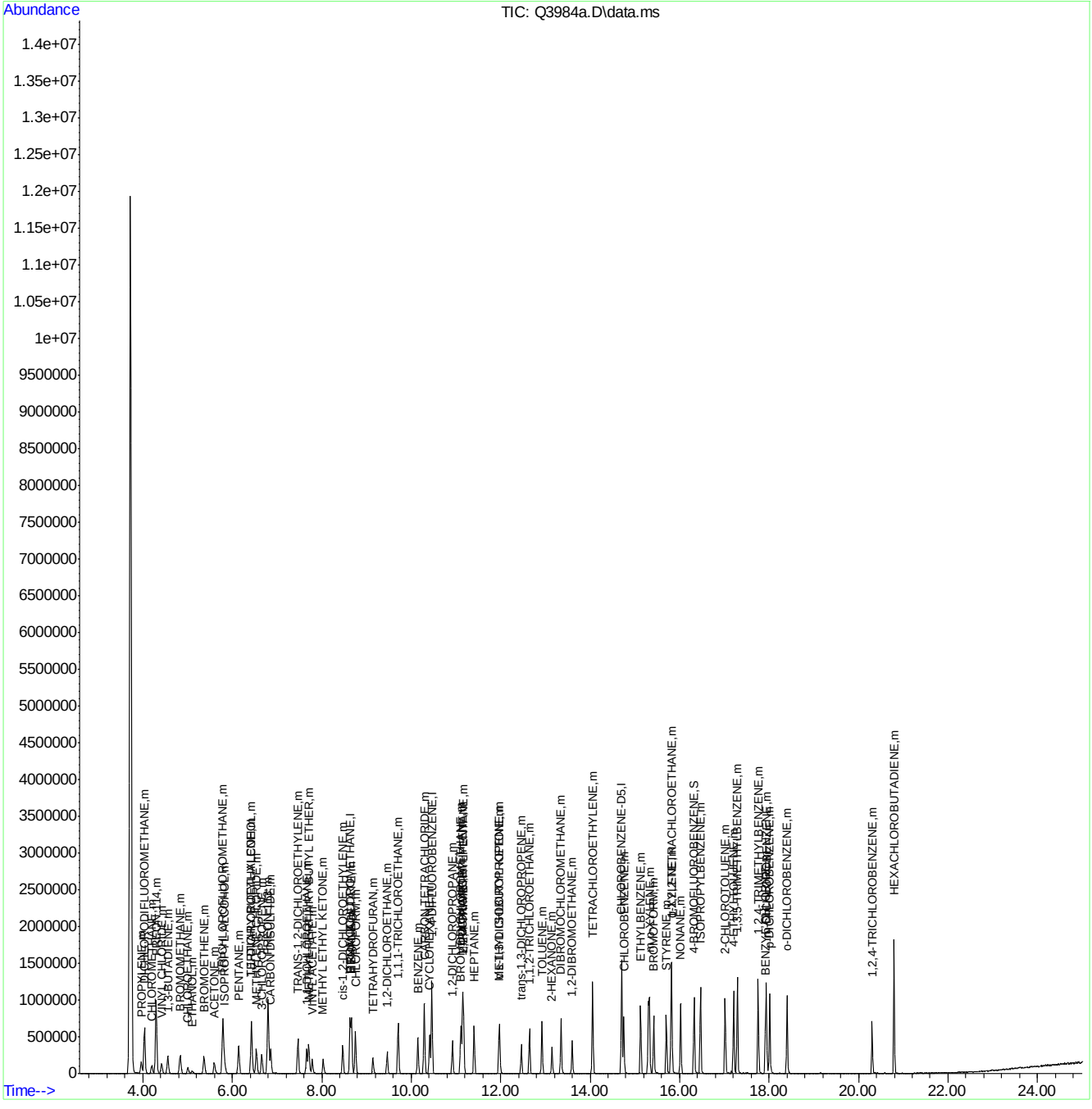
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) METHYL ISOBUTYL KETONE	11.979	43	283781	9.50	PPBV	97
45) cis-1,3-DICHLOROPROPENE	11.961	75	217279	10.07	PPBV	96
46) TOLUENE	12.923	92	266117	8.86	PPBV	100
47) trans-1,3-DICHLOROPROPENE	12.463	75	174783	8.86	PPBV	97
48) 1,1,2-TRICHLOROETHANE	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

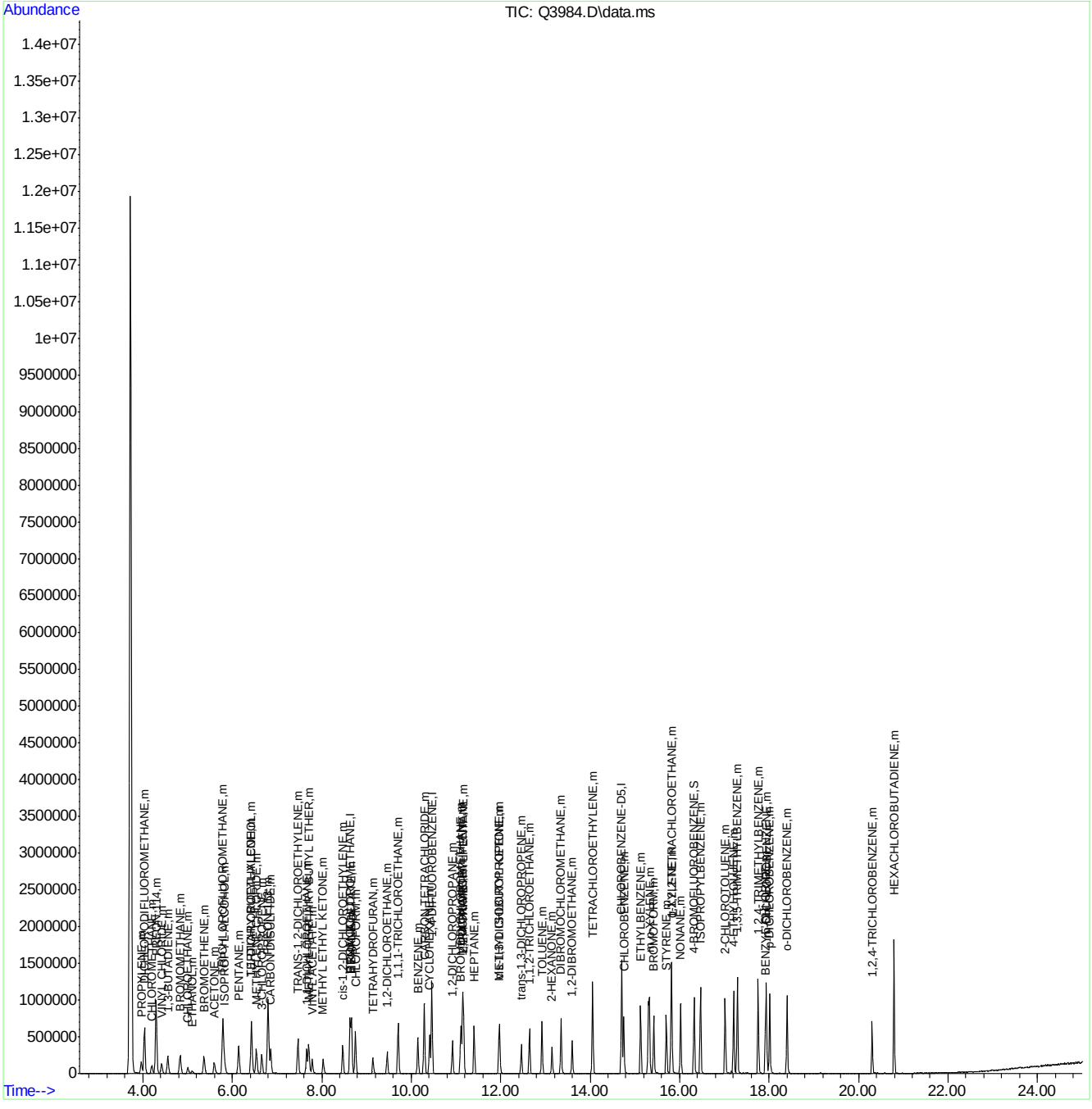
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) METHYL ISOBUTYL KETONE	11.979	43	283781	9.50	PPBV	97
45) cis-1,3-DICHLOROPROPENE	11.961	75	217279	10.07	PPBV	96
46) TOLUENE	12.923	92	266117	8.86	PPBV	100
47) trans-1,3-DICHLOROPROPENE	12.463	75	174783	8.86	PPBV	97
48) 1,1,2-TRICHLOROETHANE	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

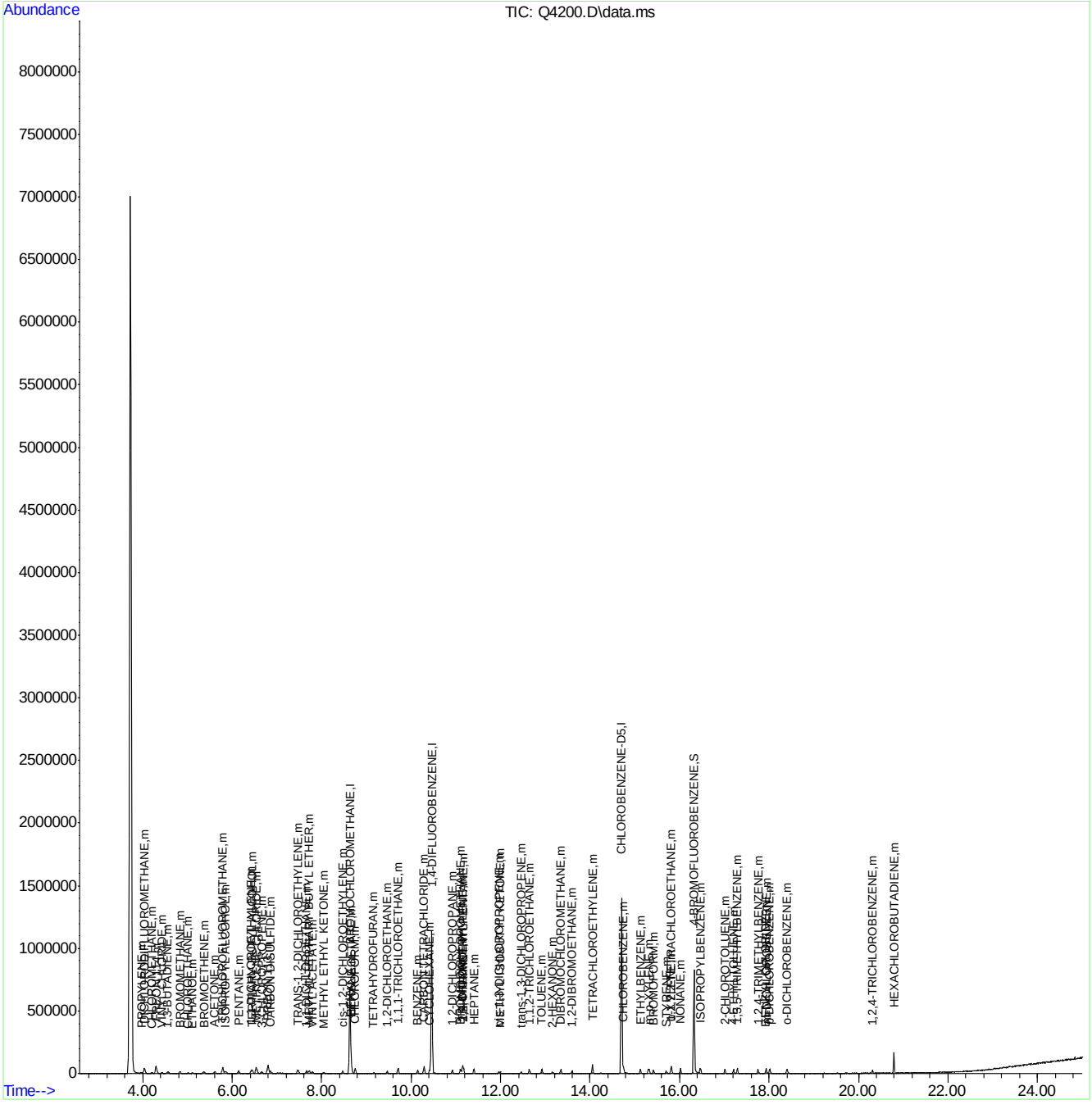
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) METHYL ISOBUTYL KETONE	11.988	43	10557	0.35	PPBV	96
45) cis-1,3-DICHLOROPROPENE	11.959	75	8664	0.49	PPBV	91
46) TOLUENE	12.923	92	14528	0.55	PPBV	97
47) trans-1,3-DICHLOROPROPENE	12.460	75	7321	0.45	PPBV	96
48) 1,1,2-TRICHLOROETHANE	12.643	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

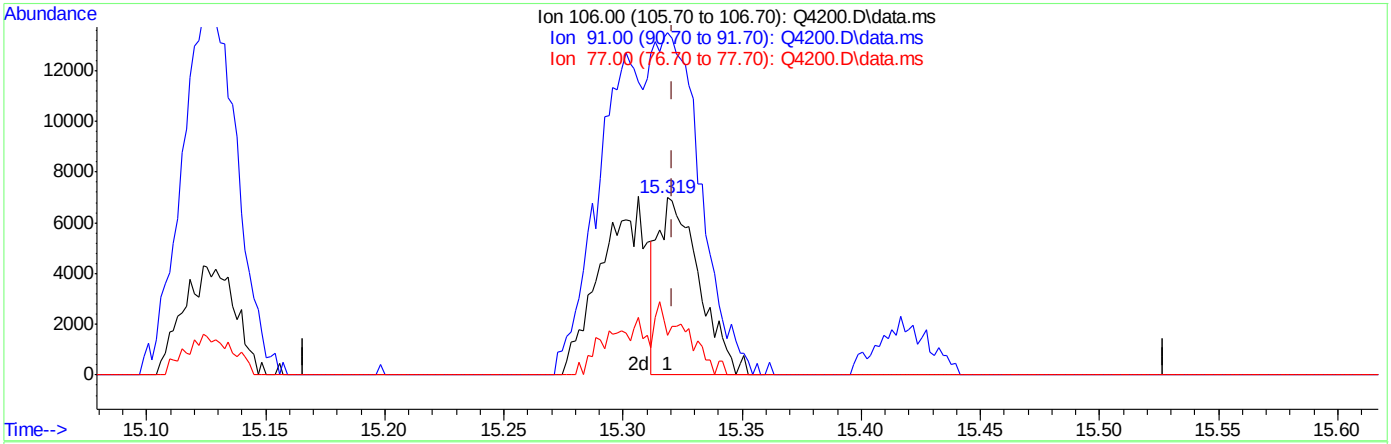


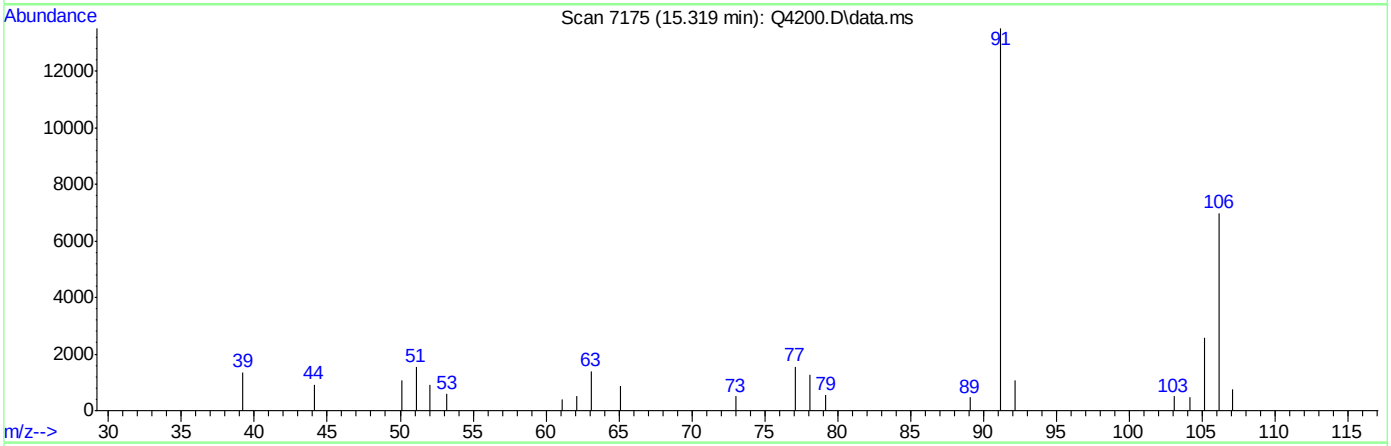
ACCUTEST Laboratories
M66579

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

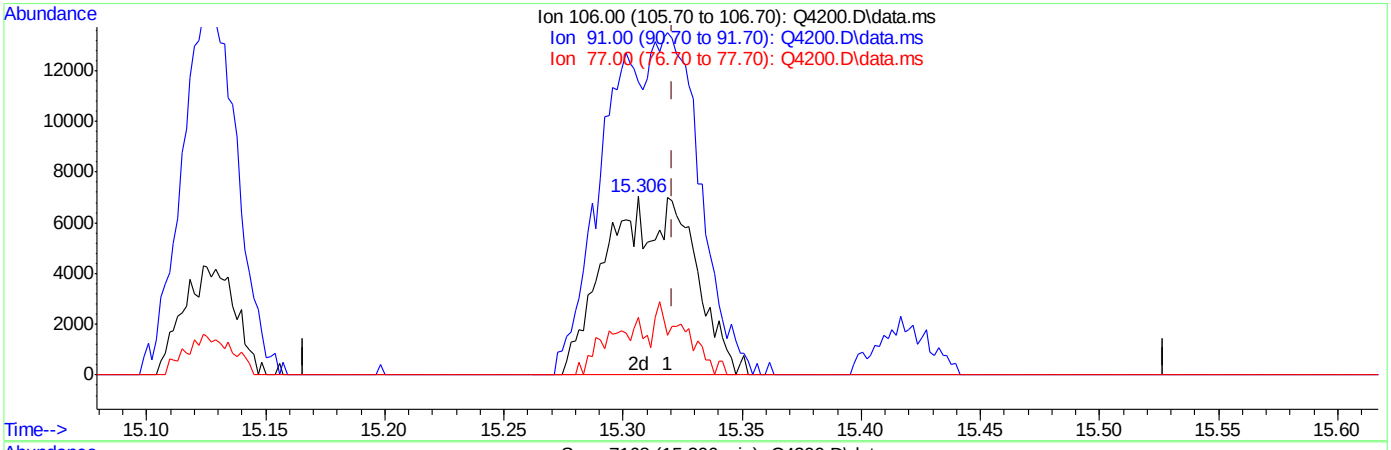
Ion	Exp%	Act%
106.00	100	100
91.00	217.70	193.29
77.00	29.20	22.31#
0.00	0.00	0.00

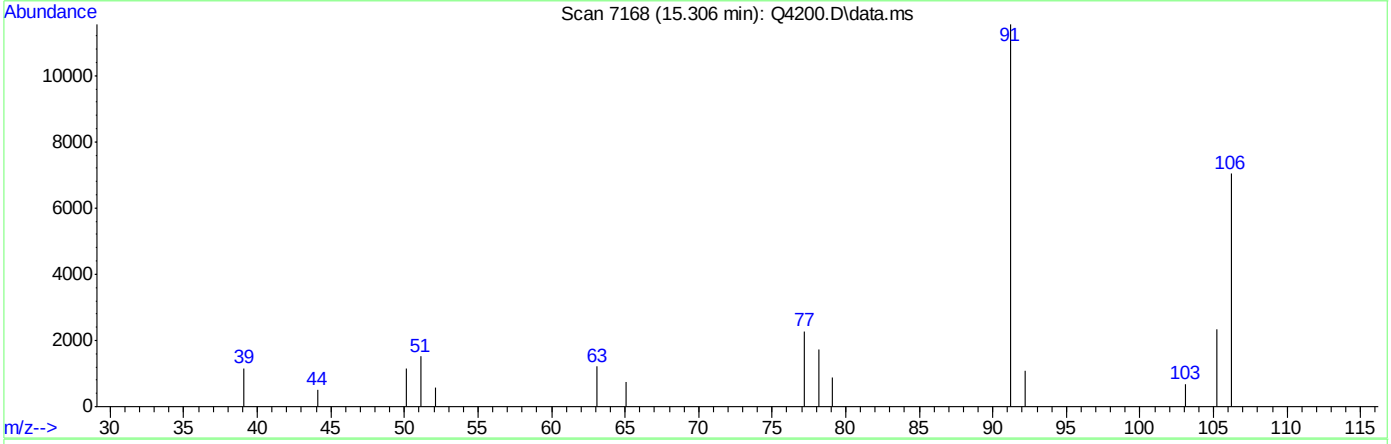
ACCUTEST Laboratories M66579

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 M66579

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\
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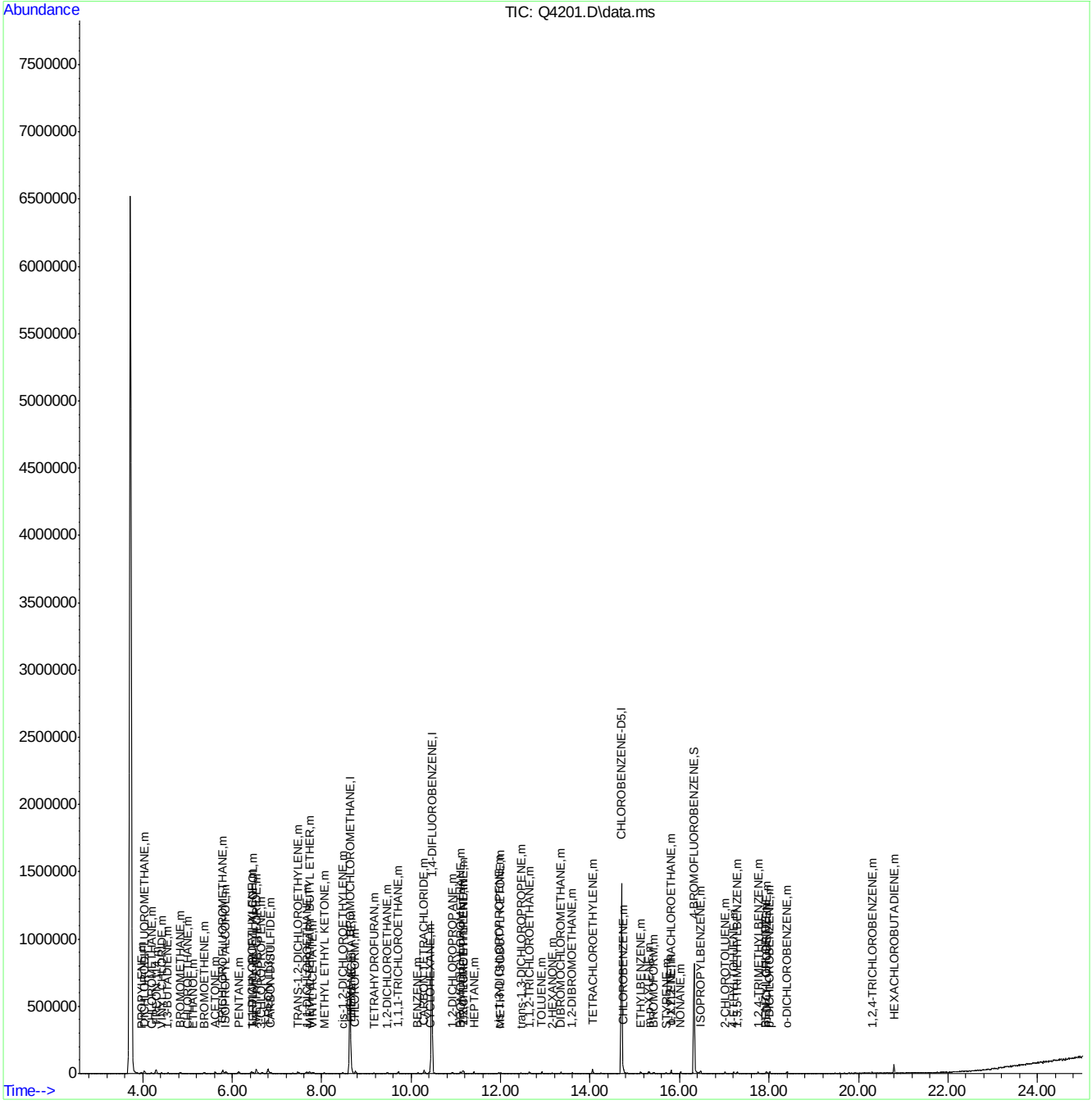
Acq On : 7 Aug 2007 11:59 am
Operator : danat
Sample : ic223-0.2 (M065)
Misc : MS14034, MSQ223,,,,,1
ALS Vial : 3 Sample Multiplier: 1

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



ACCUTEST Laboratories M66579

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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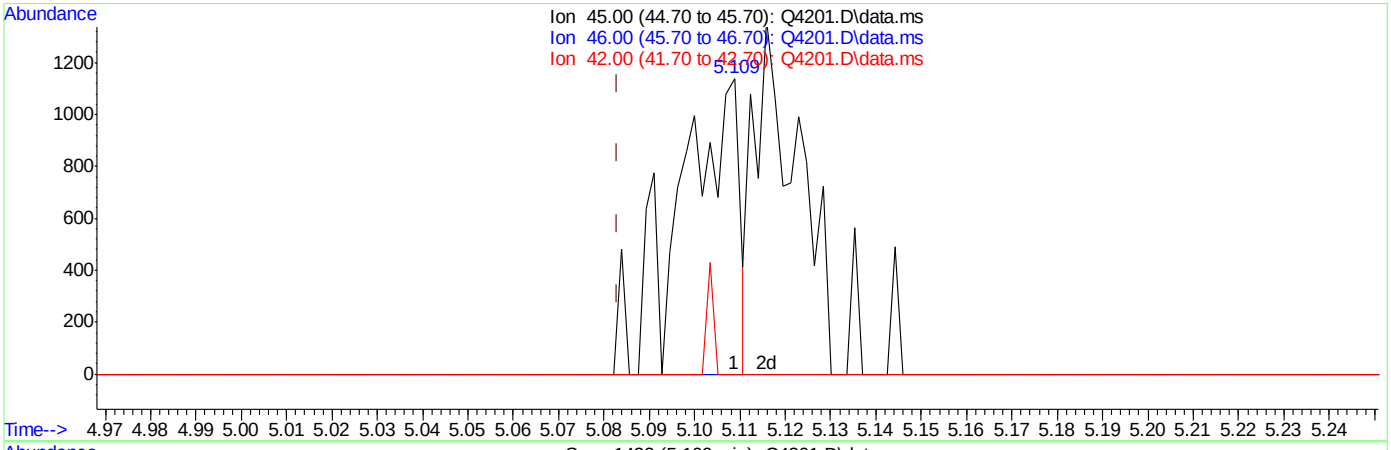
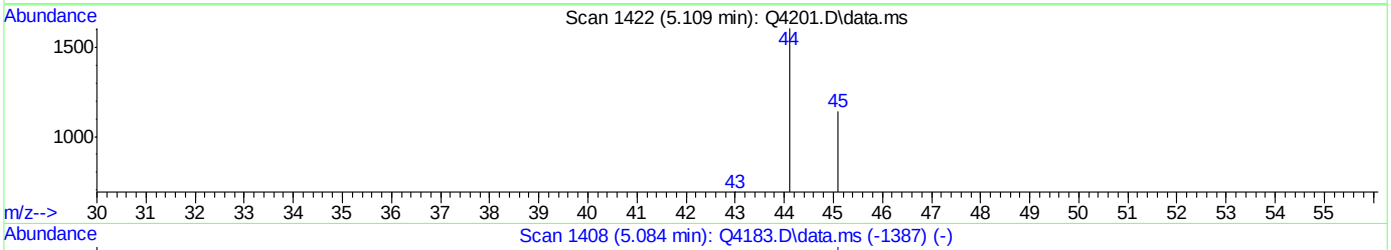
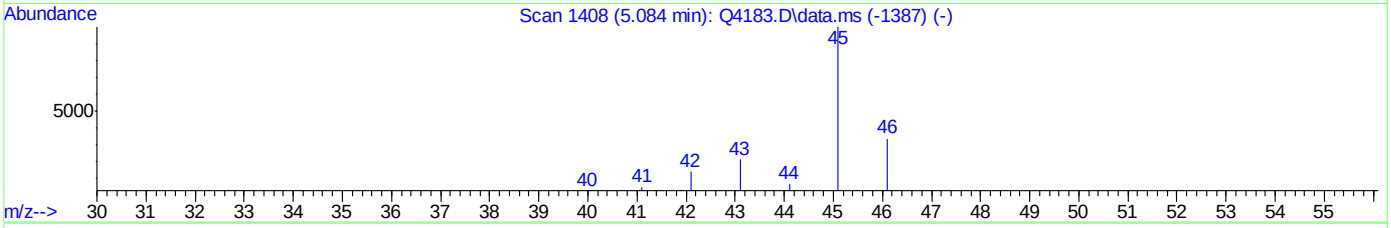






TIC: Q4201.D\data.ms

(16) ETHANOL (m)

5.109min (+0.026) 0.12PPBV

response 1046

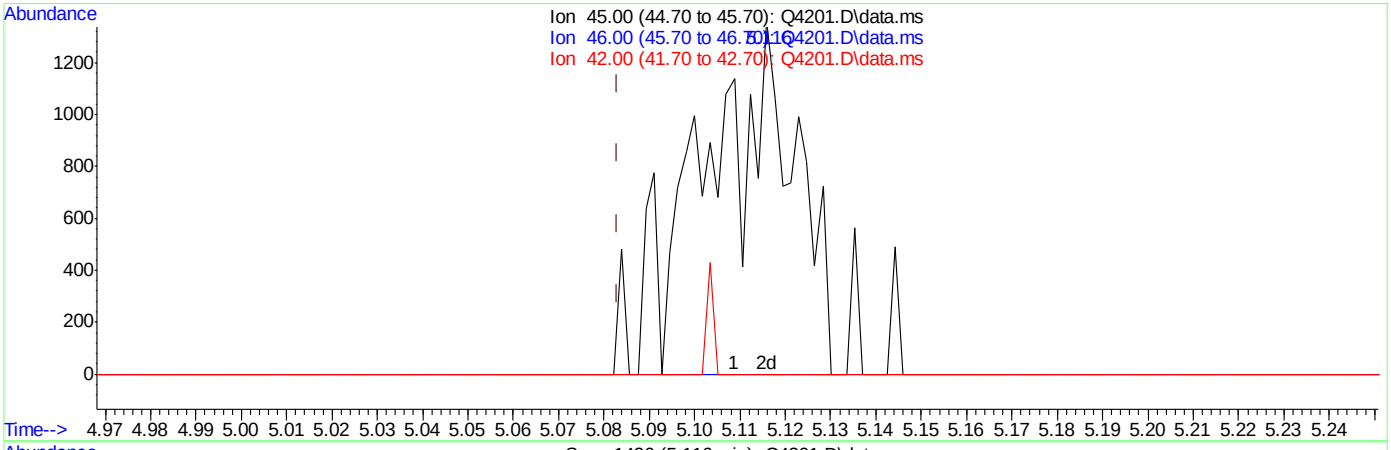
Ion	Exp%	Act%
45.00	100	100
46.00	33.50	0.00#
42.00	11.00	4.40
0.00	0.00	0.00

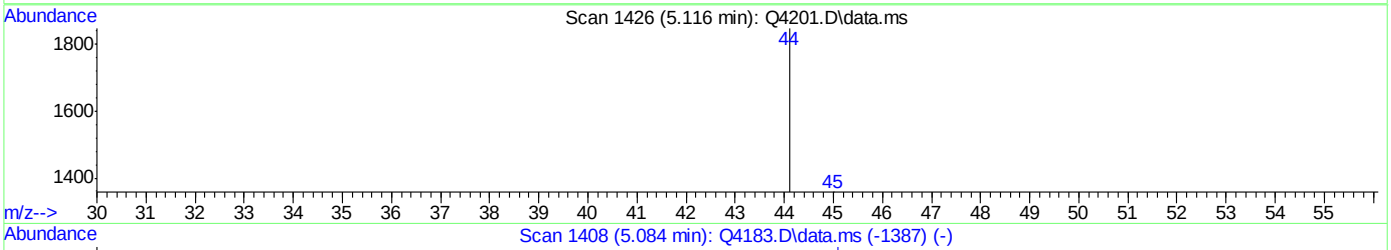
ACCUTEST Laboratories M66579

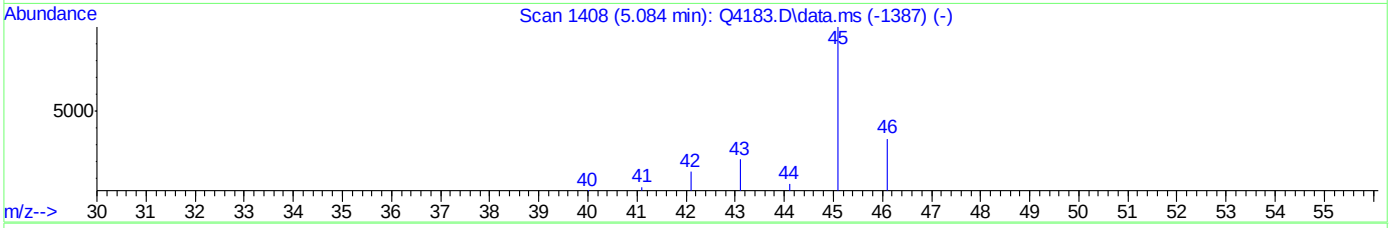
Quantitation Report (Qedit)

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 M66579

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
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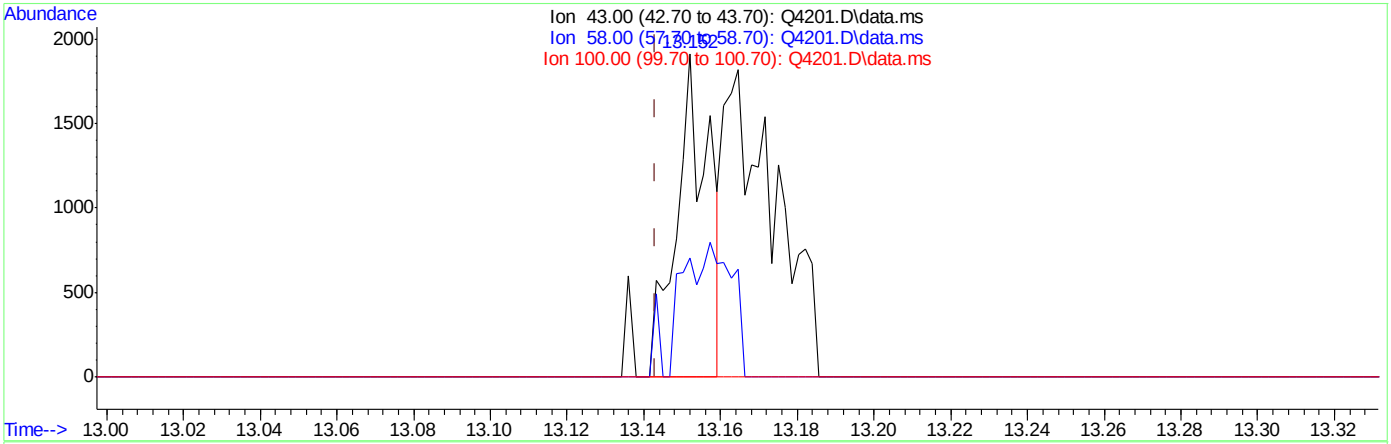
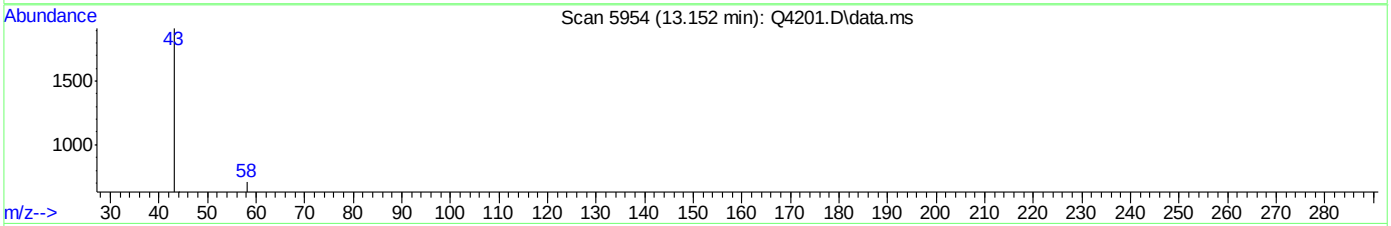
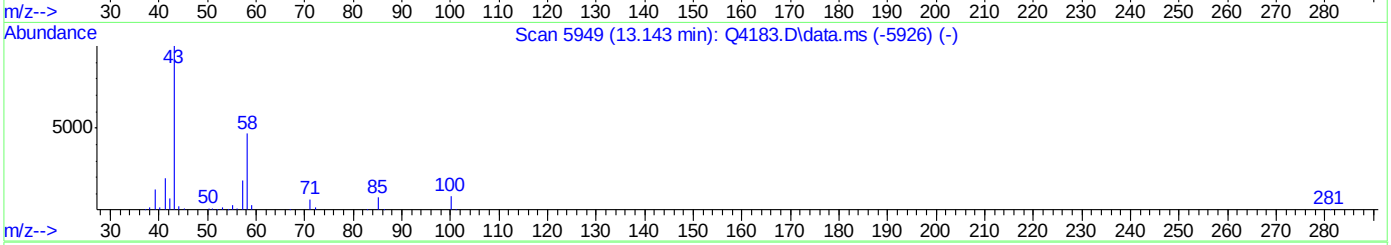






TIC: Q4201.D\data.ms

(50) 2-HEXANONE (m)

13.152min (+0.009) 0.04PPBV

response 1122

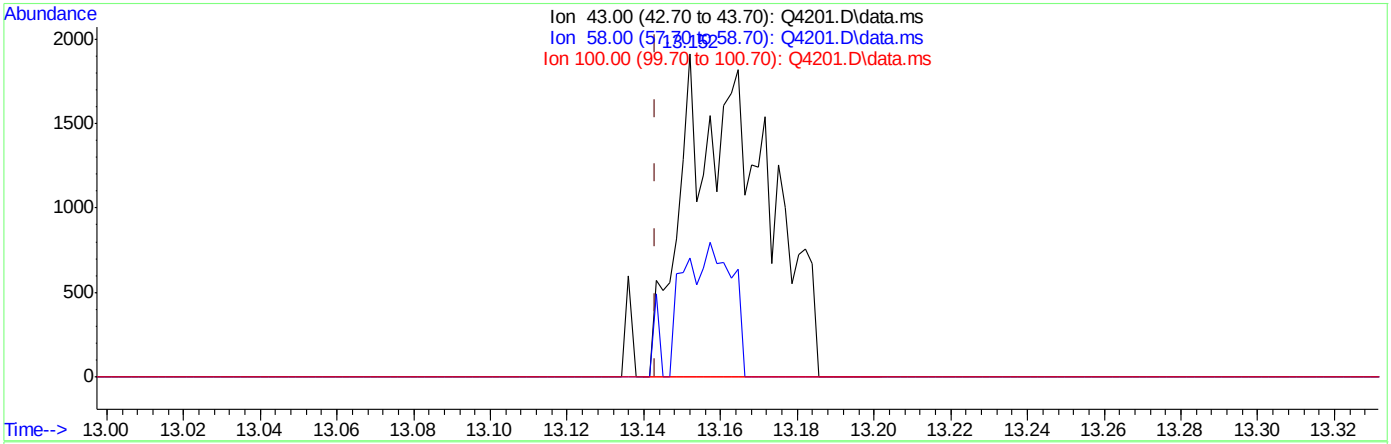
Ion	Exp%	Act%
43.00	100	100
58.00	47.00	66.40
100.00	7.70	0.00
0.00	0.00	0.00

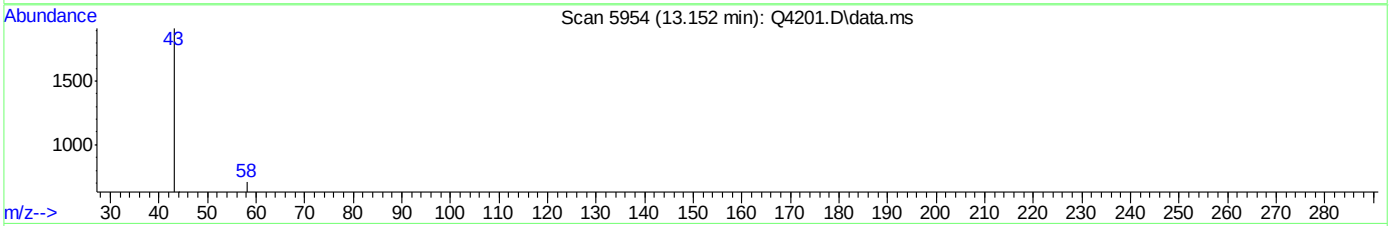
ACCUTEST Laboratories M66579

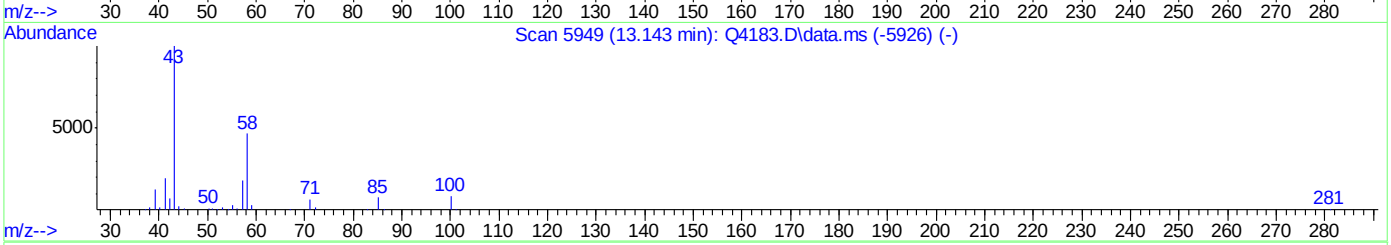
Quantitation Report (Qedit)

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

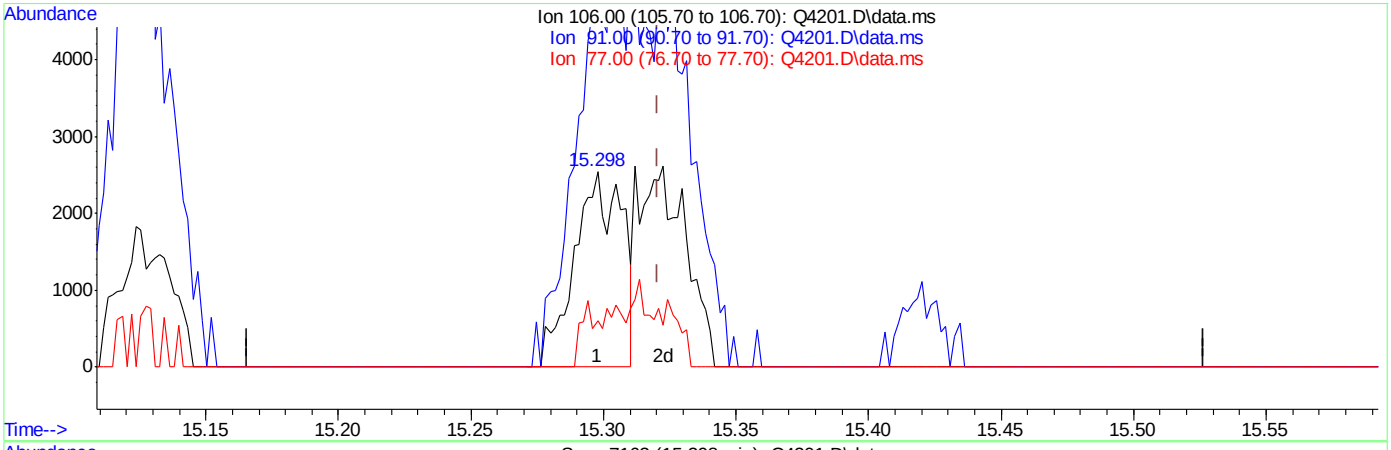
Ion	Exp%	Act%
43.00	100	100
58.00	47.00	26.51#
100.00	7.70	0.00
0.00	0.00	0.00

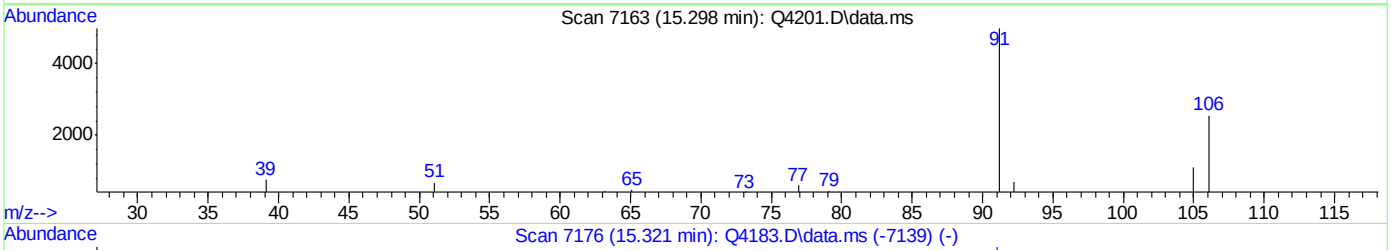
ACCUTEST Laboratories M66579

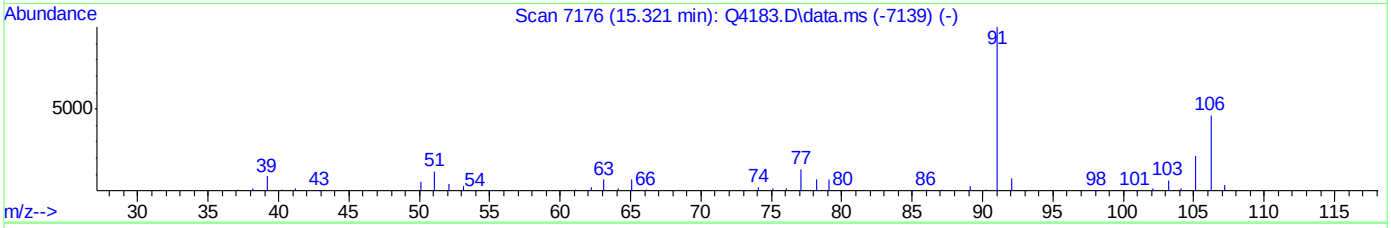
Quantitation Report (Qedit)

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 M66579

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
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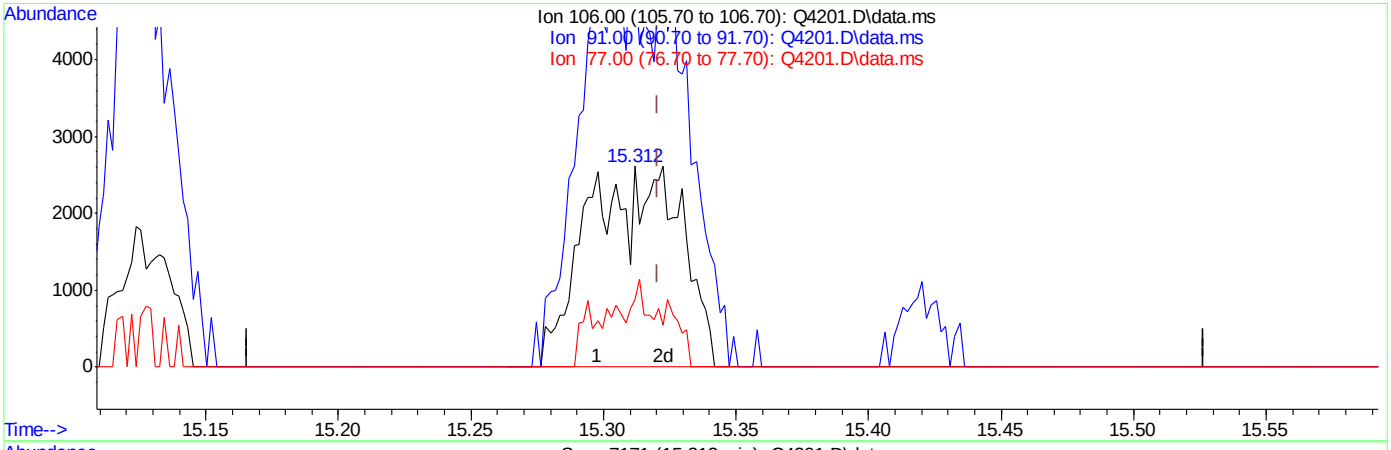
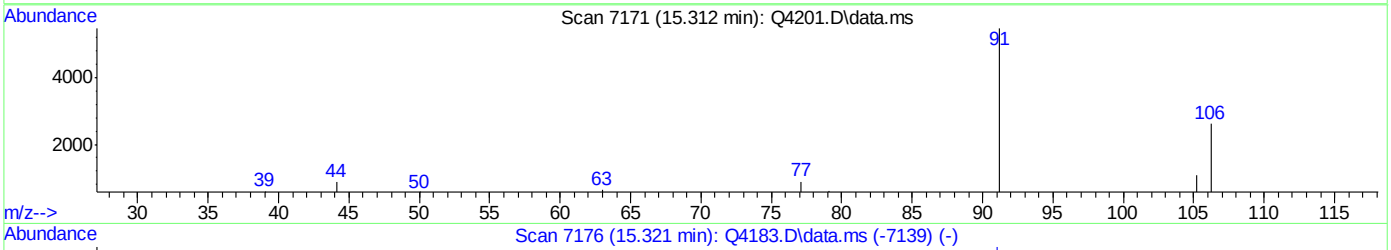
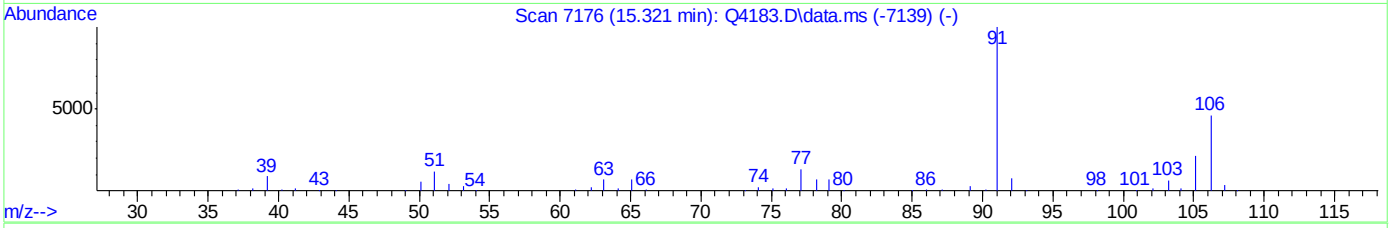






TIC: Q4201.D\data.ms

(56) m,p-XYLENE (m)

15.312min (-0.009) 0.32PPBV m

response 6393

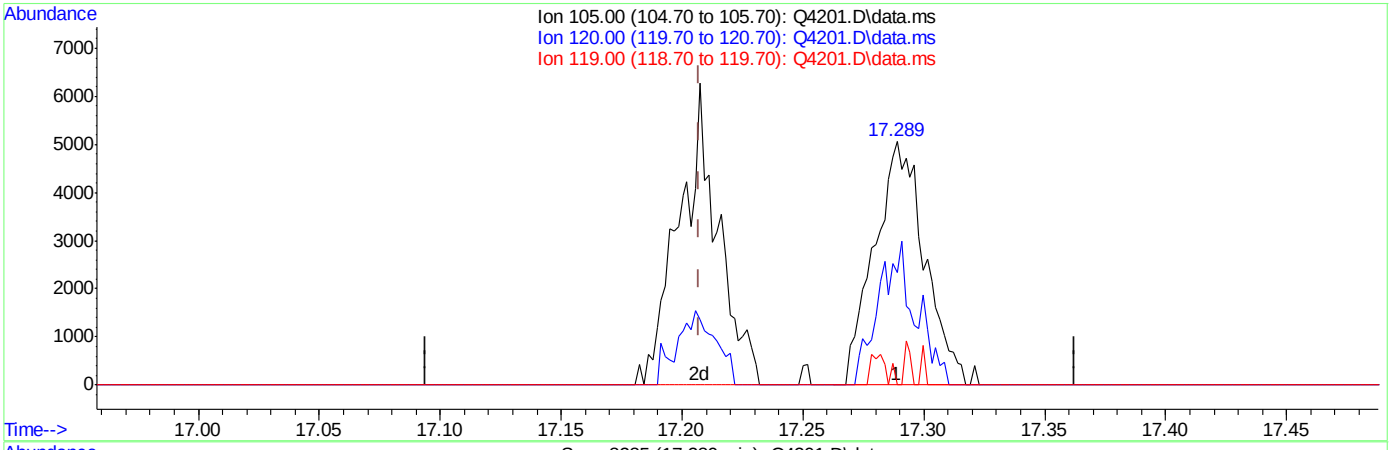
Ion	Exp%	Act%
106.00	100	100
91.00	217.70	209.71
77.00	29.20	33.73
0.00	0.00	0.00

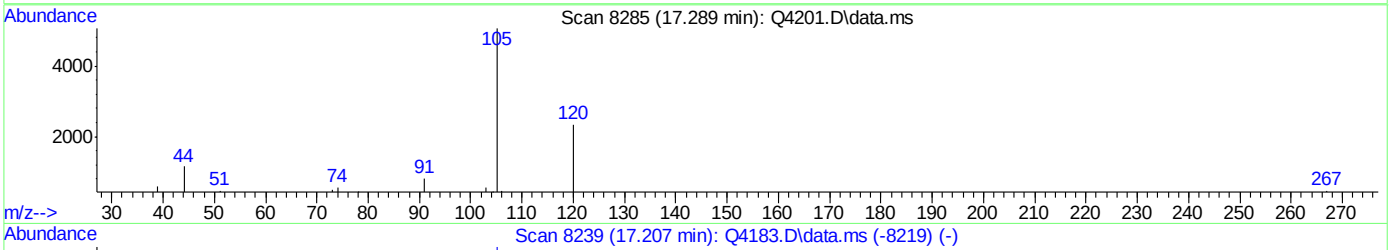
ACCUTEST Laboratories M66579

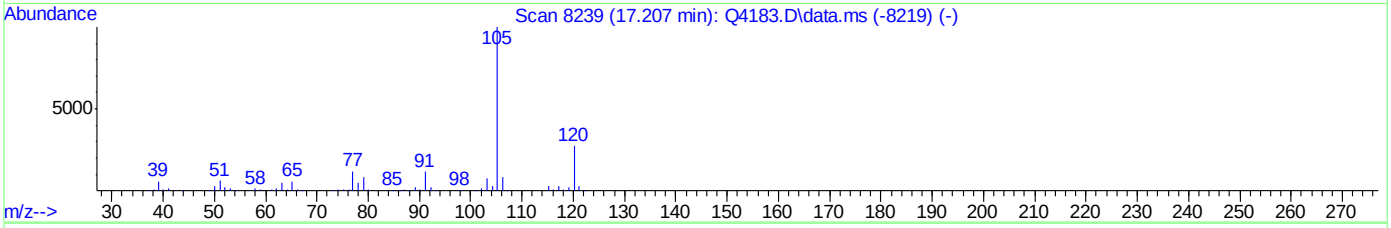
Quantitation Report (Qedit)

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 M66579

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
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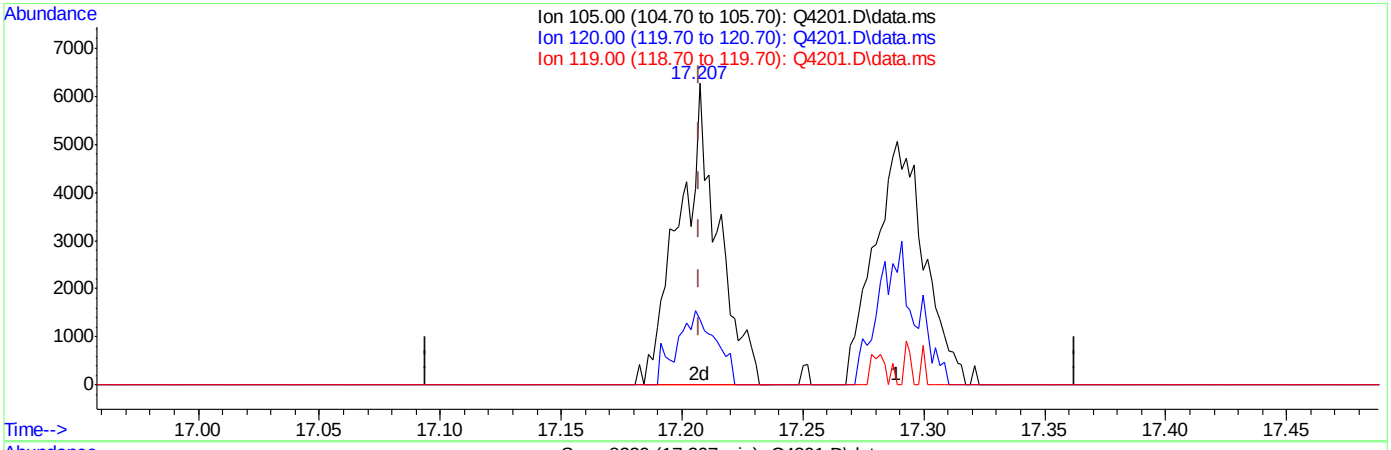
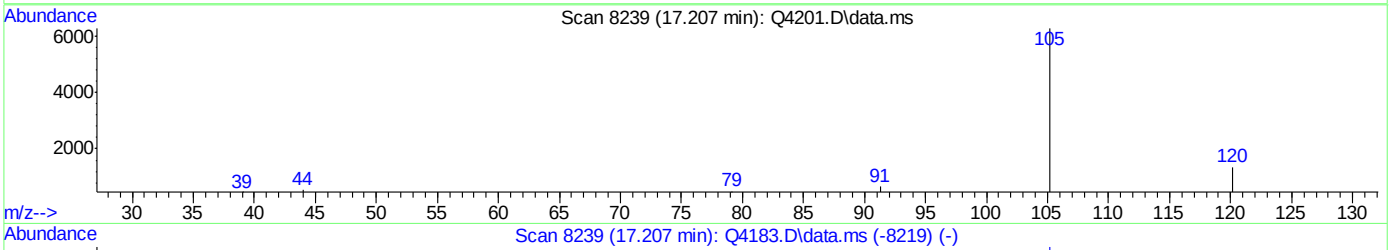
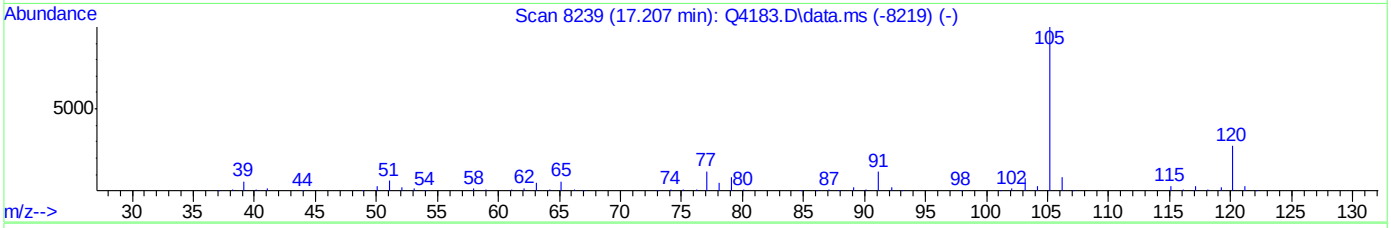
QLast Update : Tue Aug 07 11:41:42 2007
Response via : Initial Calibration







TIC: Q4201.D\data.ms

(65) 4-ETHYLTOLUENE (m)

17.207min (+0.000) 0.13PPBV m

response 7005

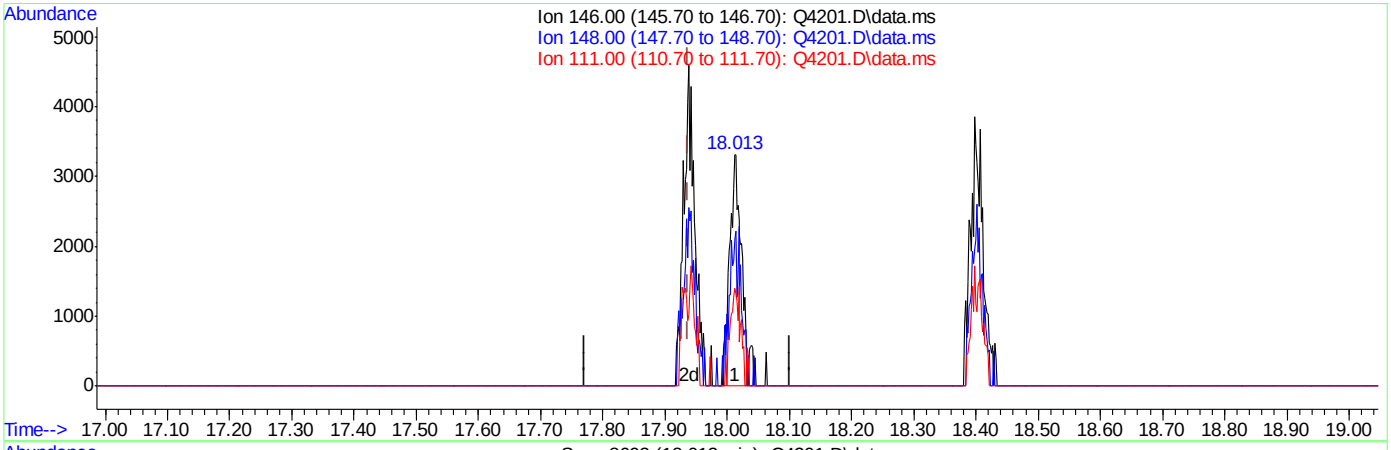
Ion	Exp%	Act%
105.00	100	100
120.00	27.90	45.51
119.00	2.10	4.10
0.00	0.00	0.00

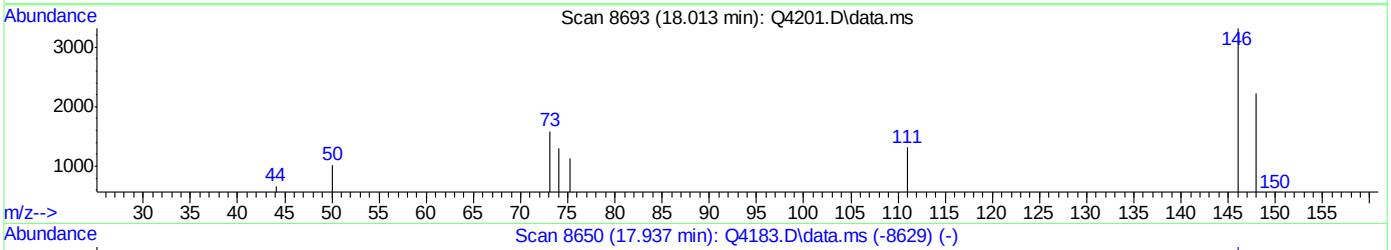
ACCUTEST Laboratories M66579

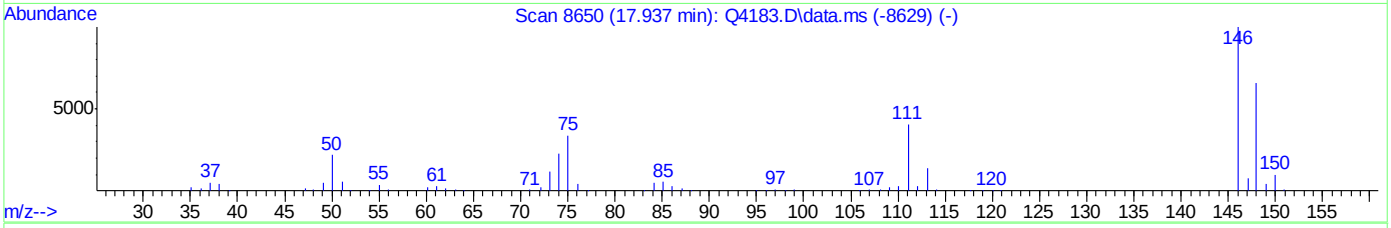
Quantitation Report (Qedit)

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

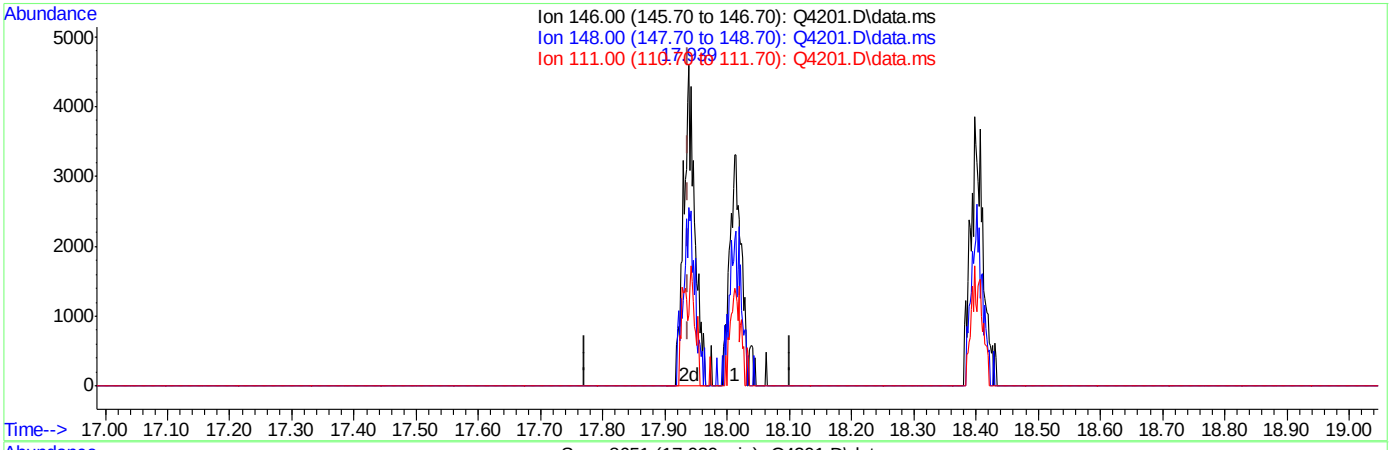
response 4692

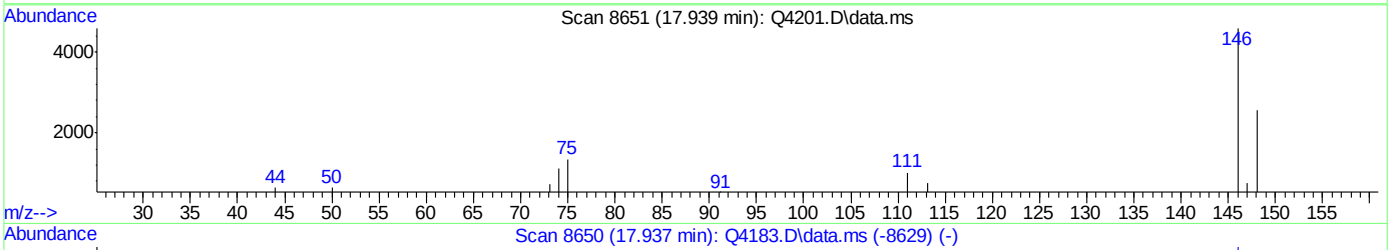
Ion	Exp%	Act%
146.00	100	100
148.00	64.20	64.83
111.00	40.70	38.34
0.00	0.00	0.00

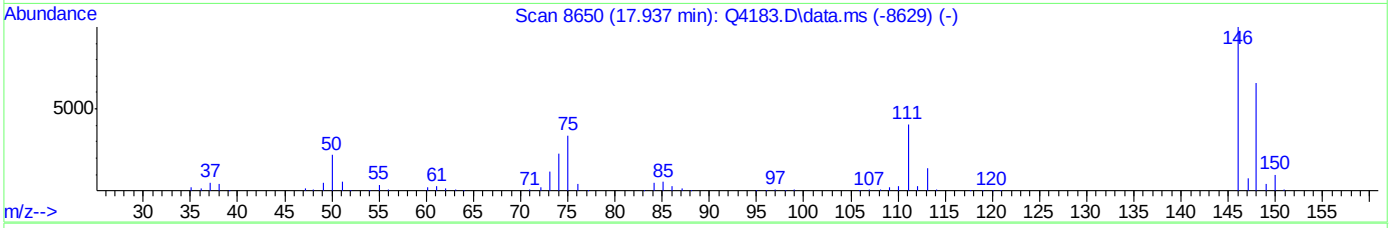
Quantitation Report (Qedit)

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

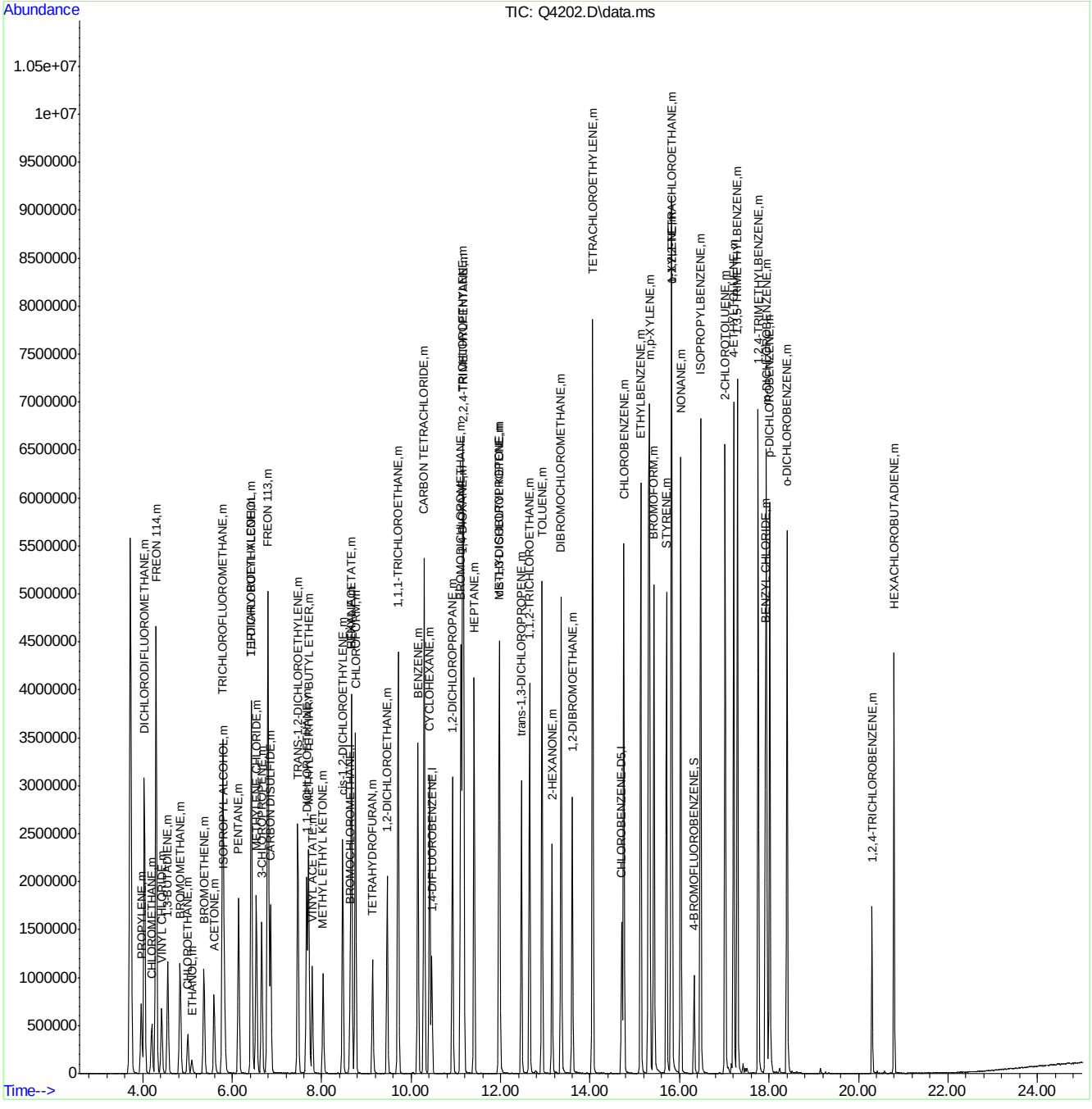
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) METHYL ISOBUTYL KETONE	11.979	43	1654561	49.52	PPBV	98
45) cis-1,3-DICHLOROPROPENE	11.963	75	1499323	76.92	PPBV	99
46) TOLUENE	12.925	92	1912109	65.62	PPBV	100
47) trans-1,3-DICHLOROPROPENE	12.463	75	1429971	79.48	PPBV	97
48) 1,1,2-TRICHLOROETHANE	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

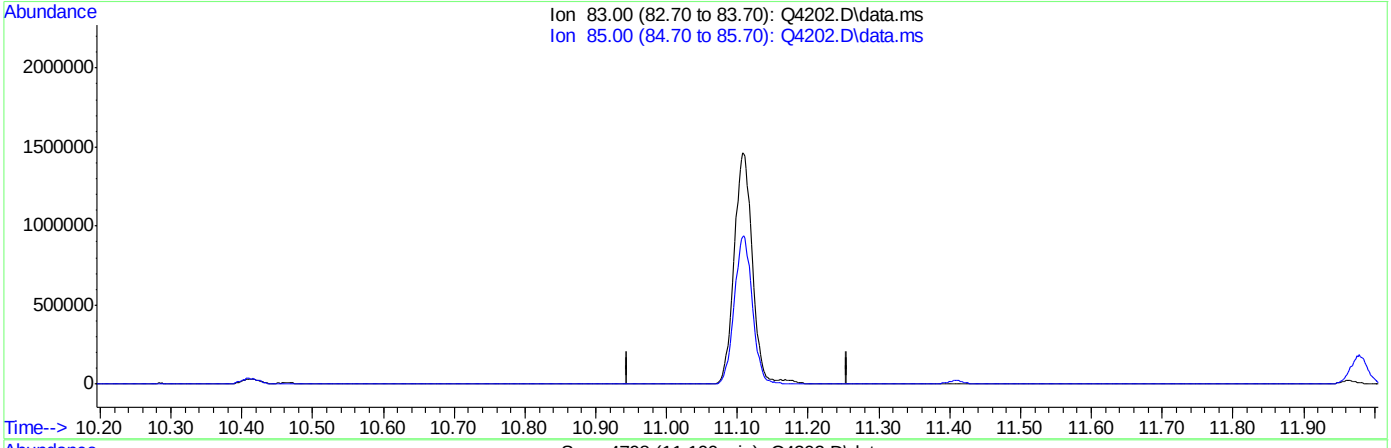
Quant Time: Aug 07 13:10:29 2007
Quant Method : C:\msdchem\1\METHODS\Q080707T.m
Quant Title : TO15 by GCMS w/DB-1 60 m X .25 mm ID 1.0 um
QLast Update : Tue Aug 07 11:41:42 2007
Response via : Initial Calibration

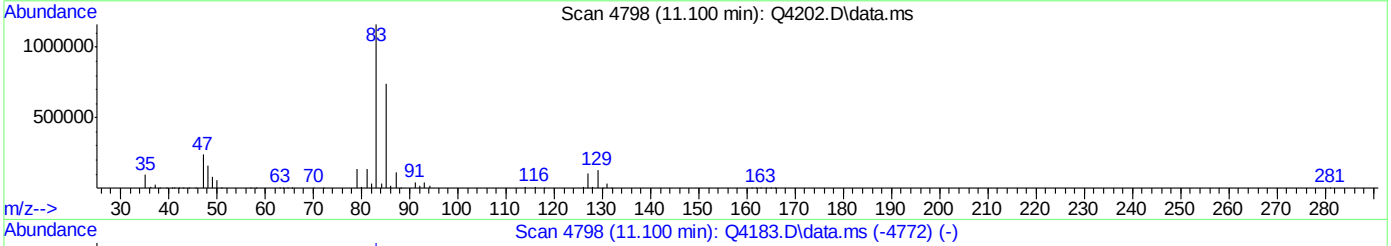


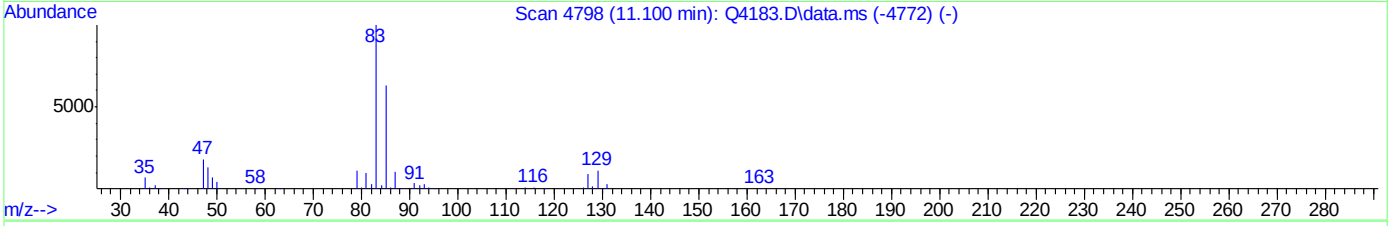
Quantitation Report (Qedit)

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

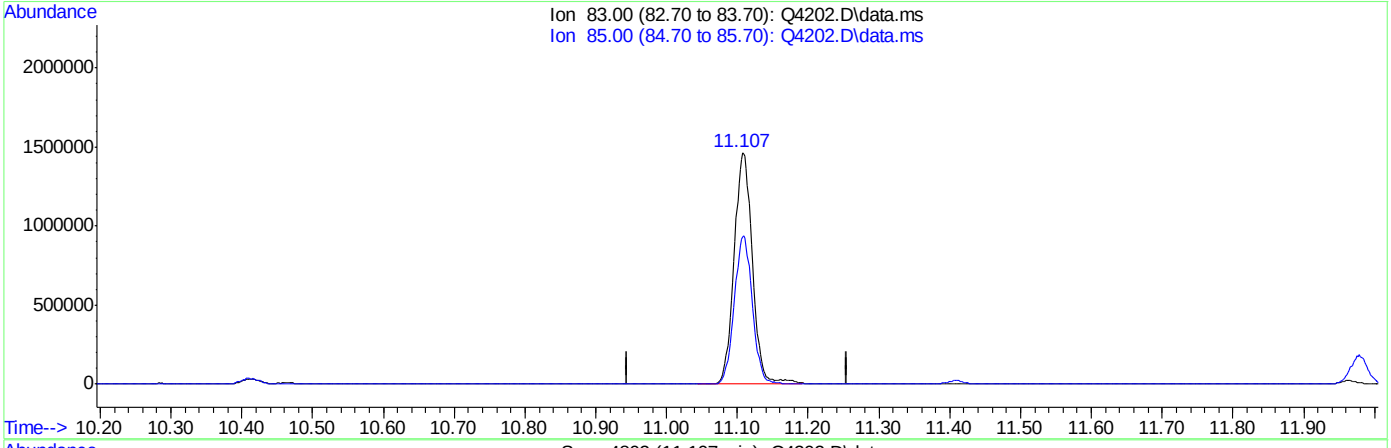
Ion	Exp%	Act%
83.00	100	0.00
85.00	64.30	0.00#
0.00	0.00	0.00
0.00	0.00	0.00

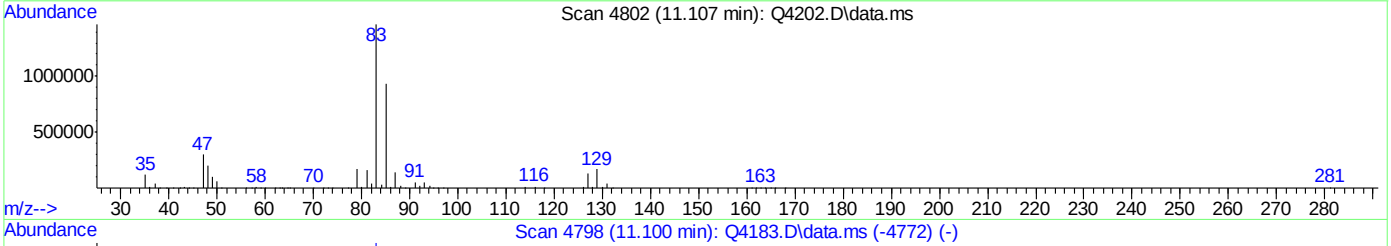
ACCUTEST Laboratories M66579

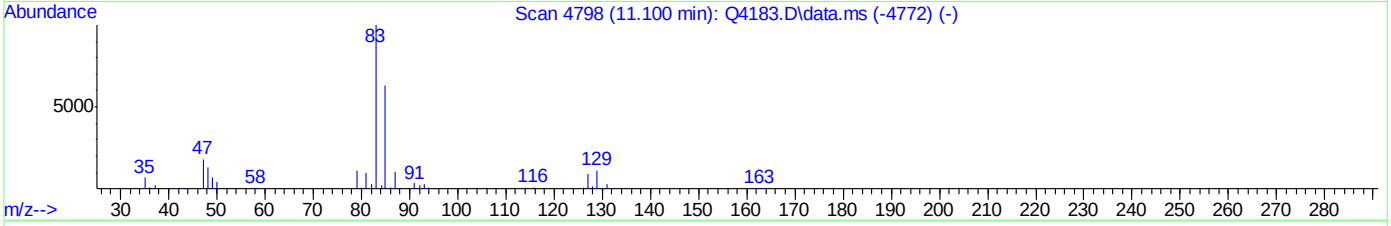
Quantitation Report (Qedit)

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

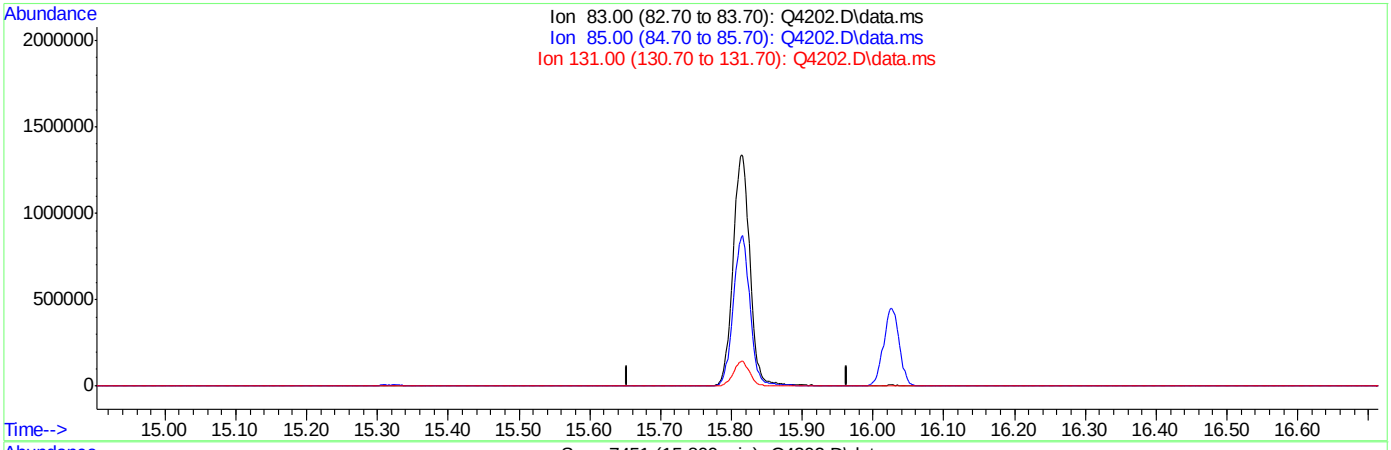
response 2644238

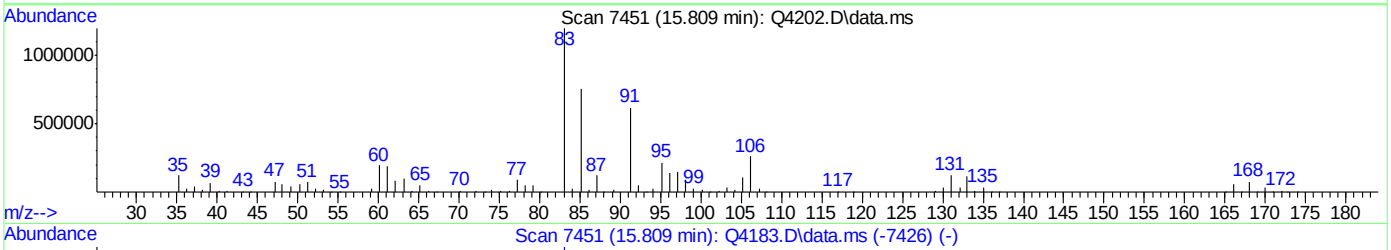
Ion	Exp%	Act%
83.00	100	100
85.00	64.30	0.00#
0.00	0.00	0.00
0.00	0.00	0.00

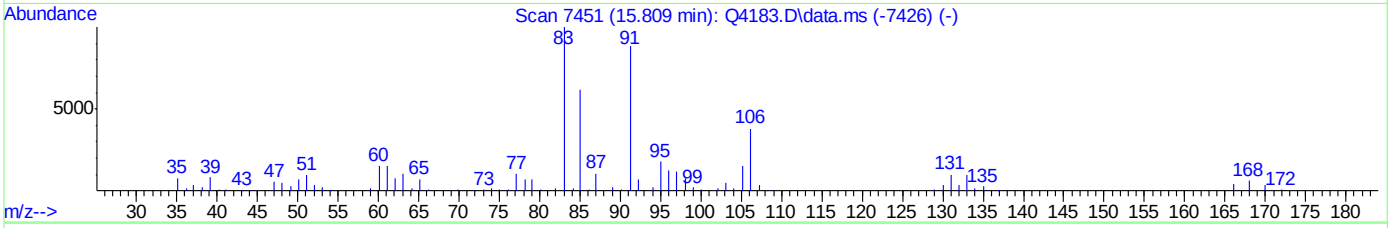
Quantitation Report (Qedit)

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

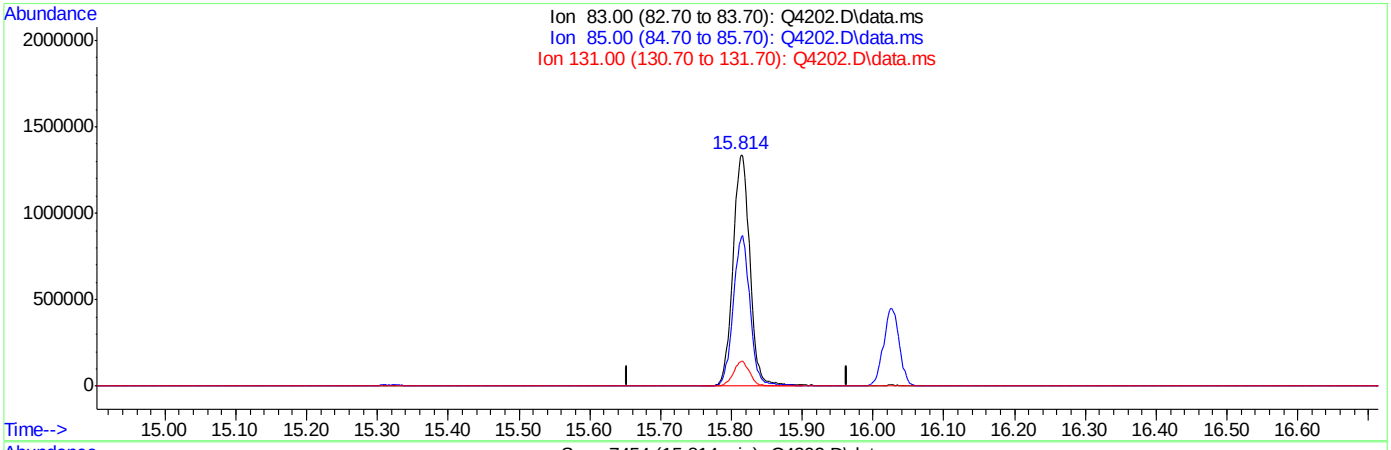
Ion	Exp%	Act%
83.00	100	0.00
85.00	64.30	0.00#
131.00	10.10	0.00
0.00	0.00	0.00

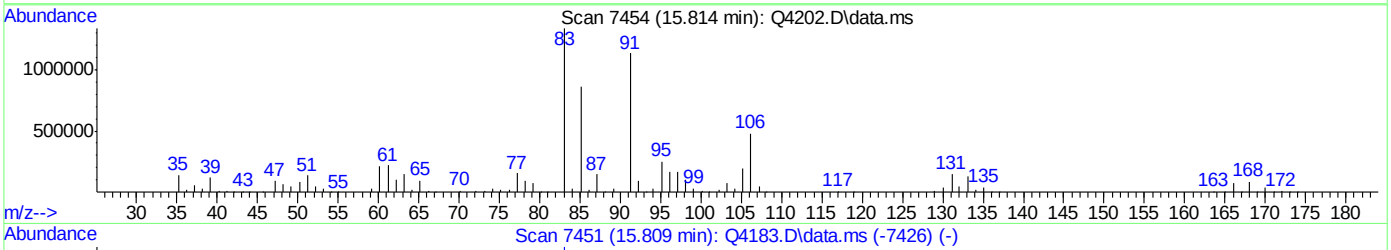
ACCUTEST Laboratories M66579

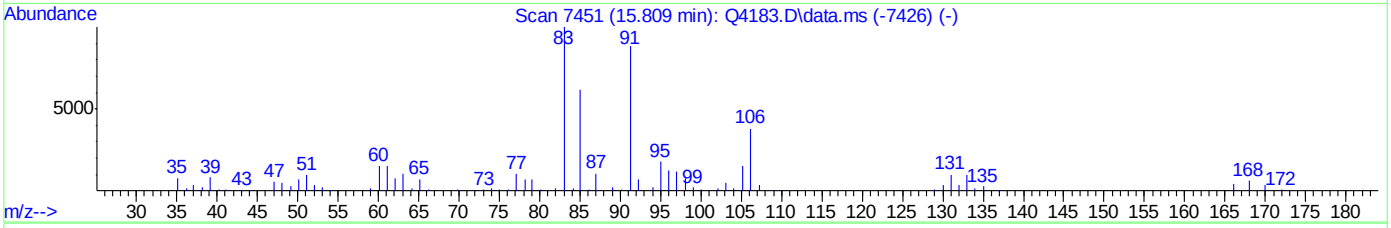
Quantitation Report (Qedit)

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

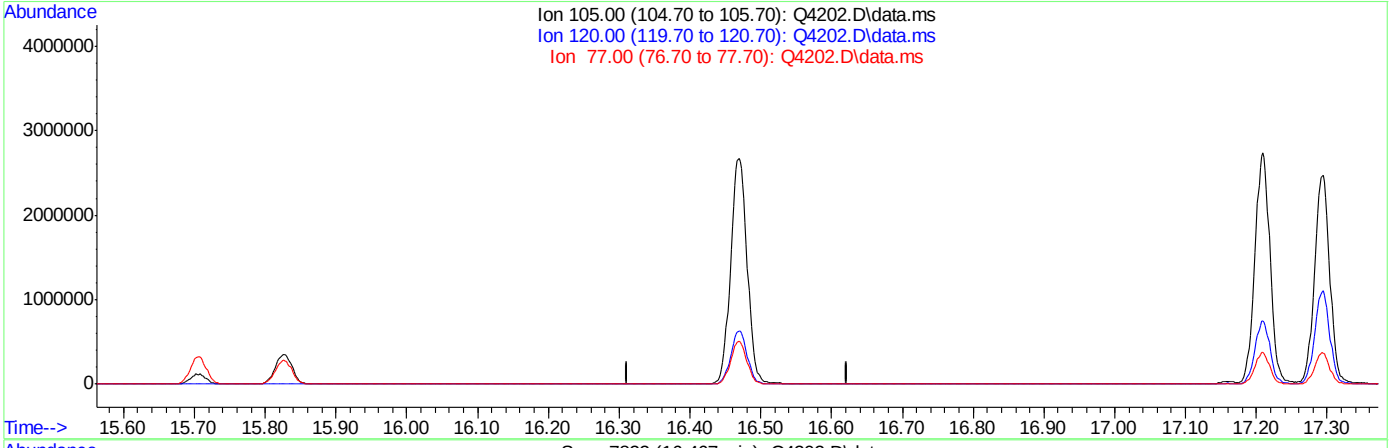
response 2234569

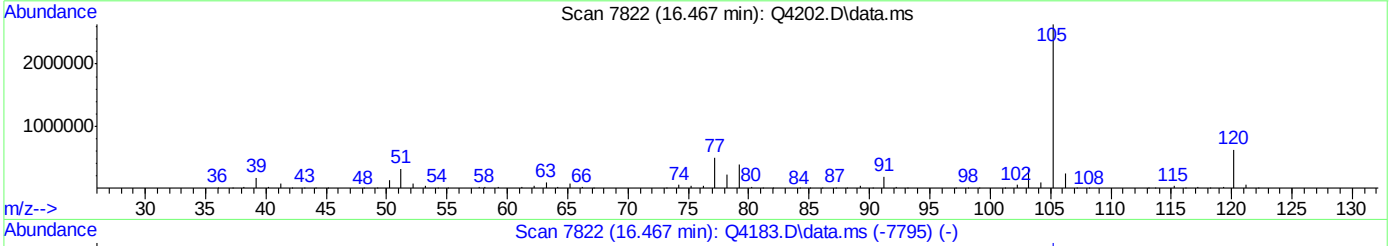
Ion	Exp%	Act%
83.00	100	100
85.00	64.30	0.00#
131.00	10.10	0.00
0.00	0.00	0.00

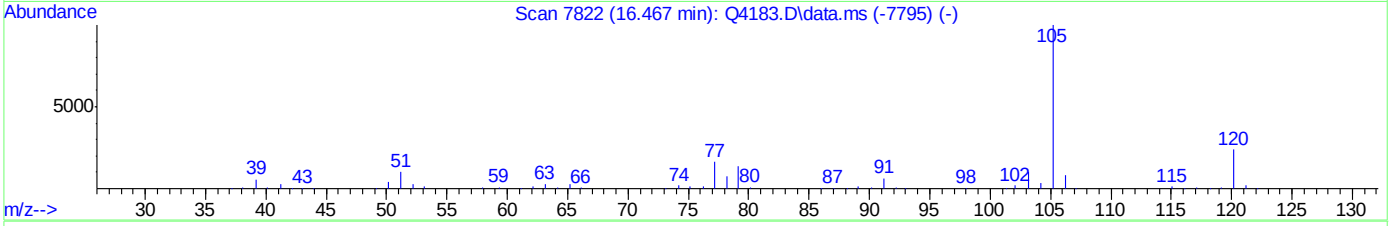
Quantitation Report (Qedit)

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

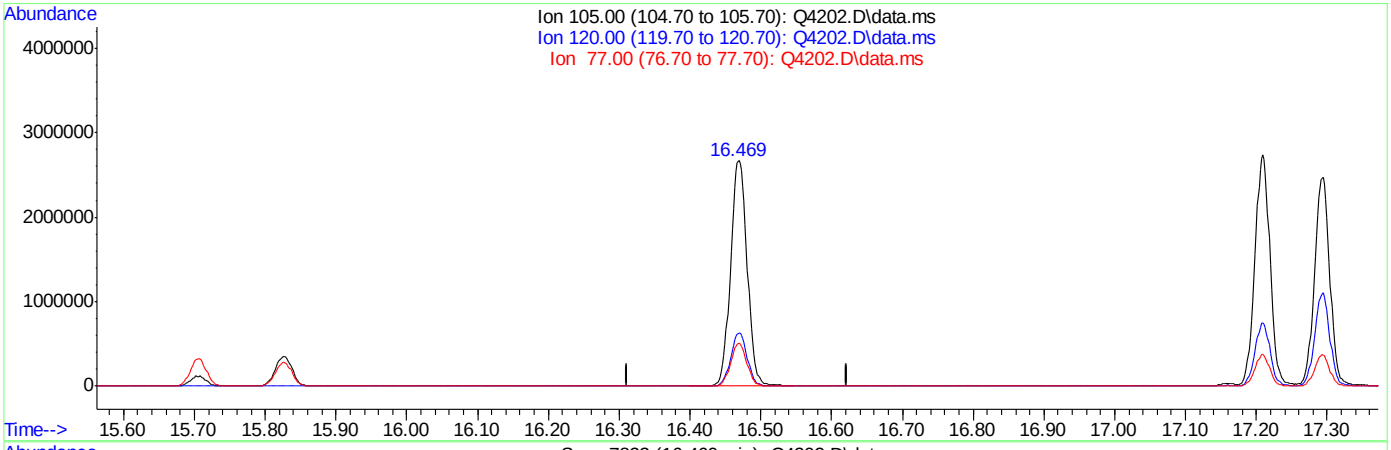
Ion	Exp%	Act%
105.00	100	0.00
120.00	24.00	0.00#
77.00	17.20	0.00
0.00	0.00	0.00

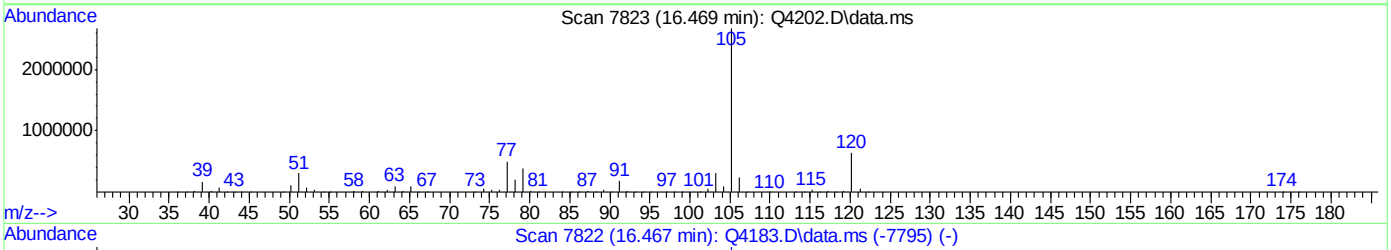
ACCUTEST Laboratories M66579

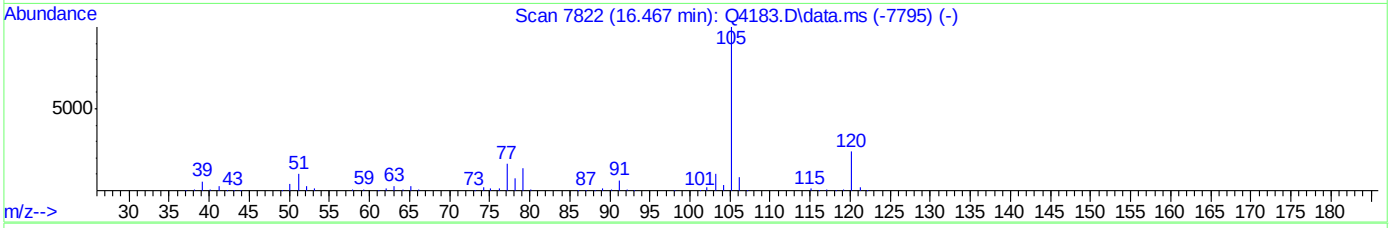
Quantitation Report (Qedit)

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

ACCUTEST Laboratories M66579

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

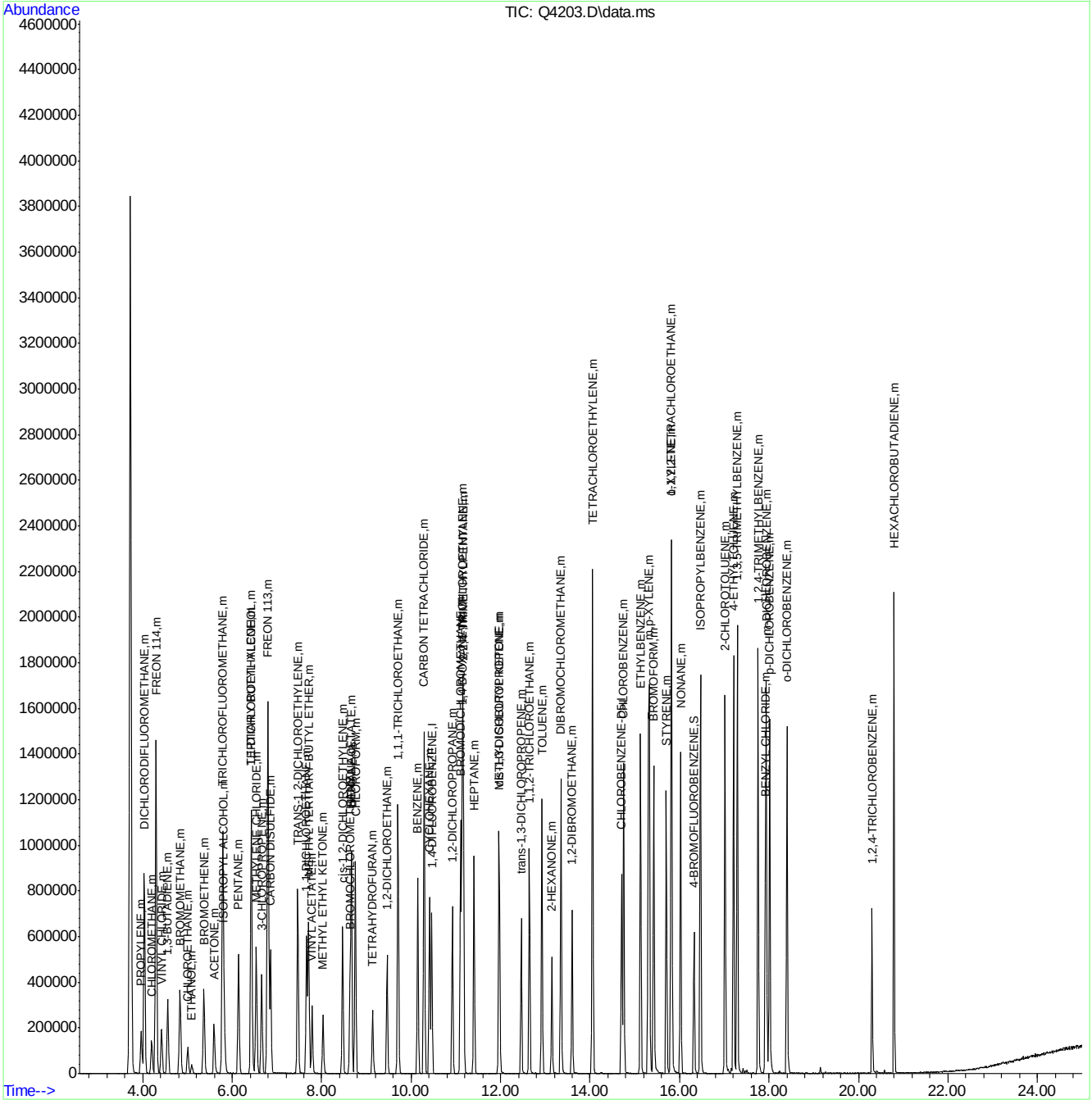
Internal Standards	R.T.	QIon	Response	Conc Units	Dev(Min)
44) METHYL ISOBUTYL KETONE	11.977	43	344410	16.49 PPBV	95
45) cis-1,3-DICHLOROPROPENE	11.961	75	350506	28.76 PPBV	99
46) TOLUENE	12.921	92	463276	25.42 PPBV	98
47) trans-1,3-DICHLOROPROPENE	12.460	75	320648	28.50 PPBV	99
48) 1,1,2-TRICHLOROETHANE	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



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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

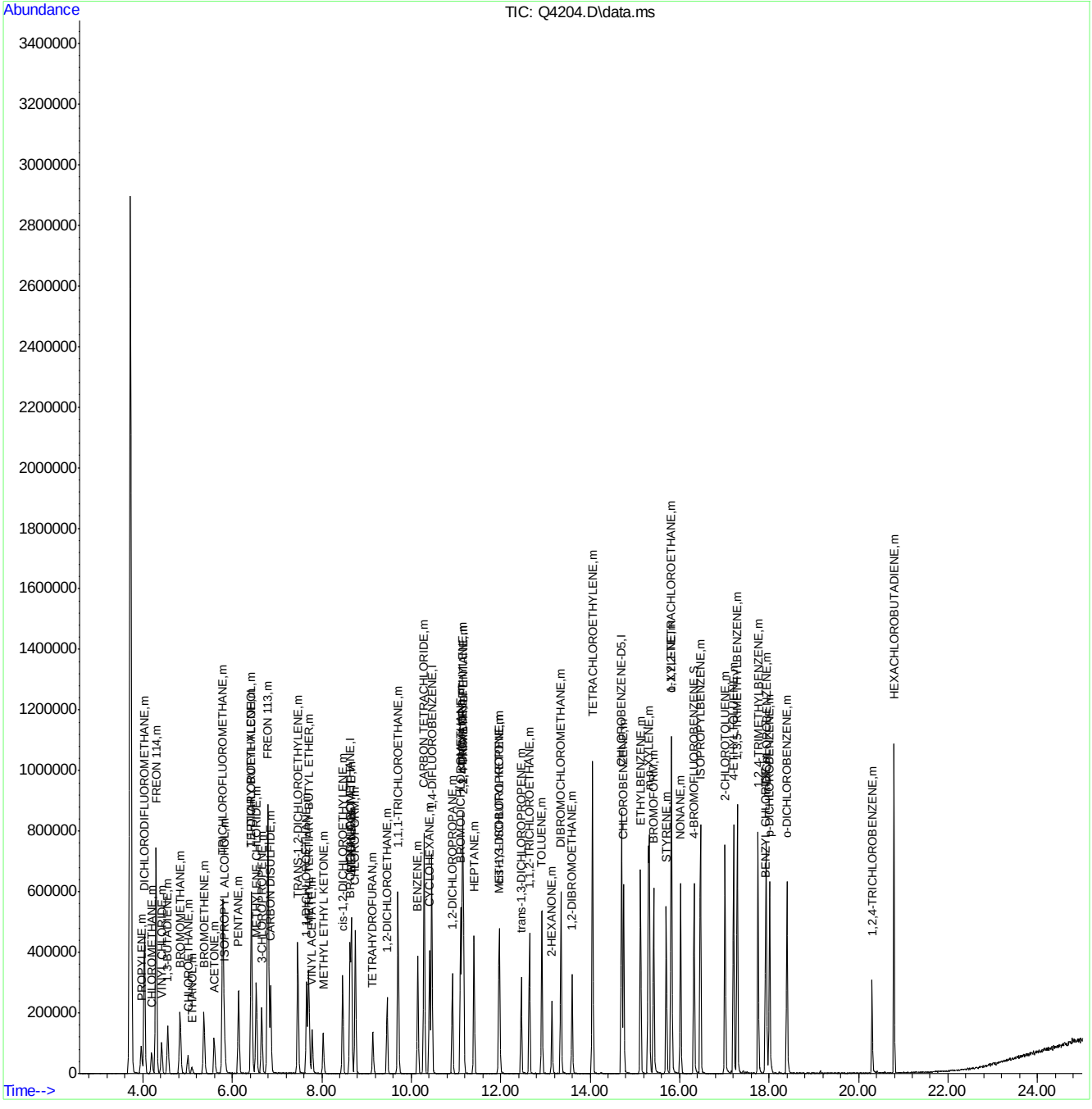
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) METHYL ISOBUTYL KETONE	11.977	43	165915	7.91	PPBV	97
45) cis-1,3-DICHLOROPROPENE	11.961	75	154554	12.63	PPBV	96
46) TOLUENE	12.921	92	206681	11.29	PPBV	98
47) trans-1,3-DICHLOROPROPENE	12.458	75	144666	12.80	PPBV	98
48) 1,1,2-TRICHLOROETHANE	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 M66579

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

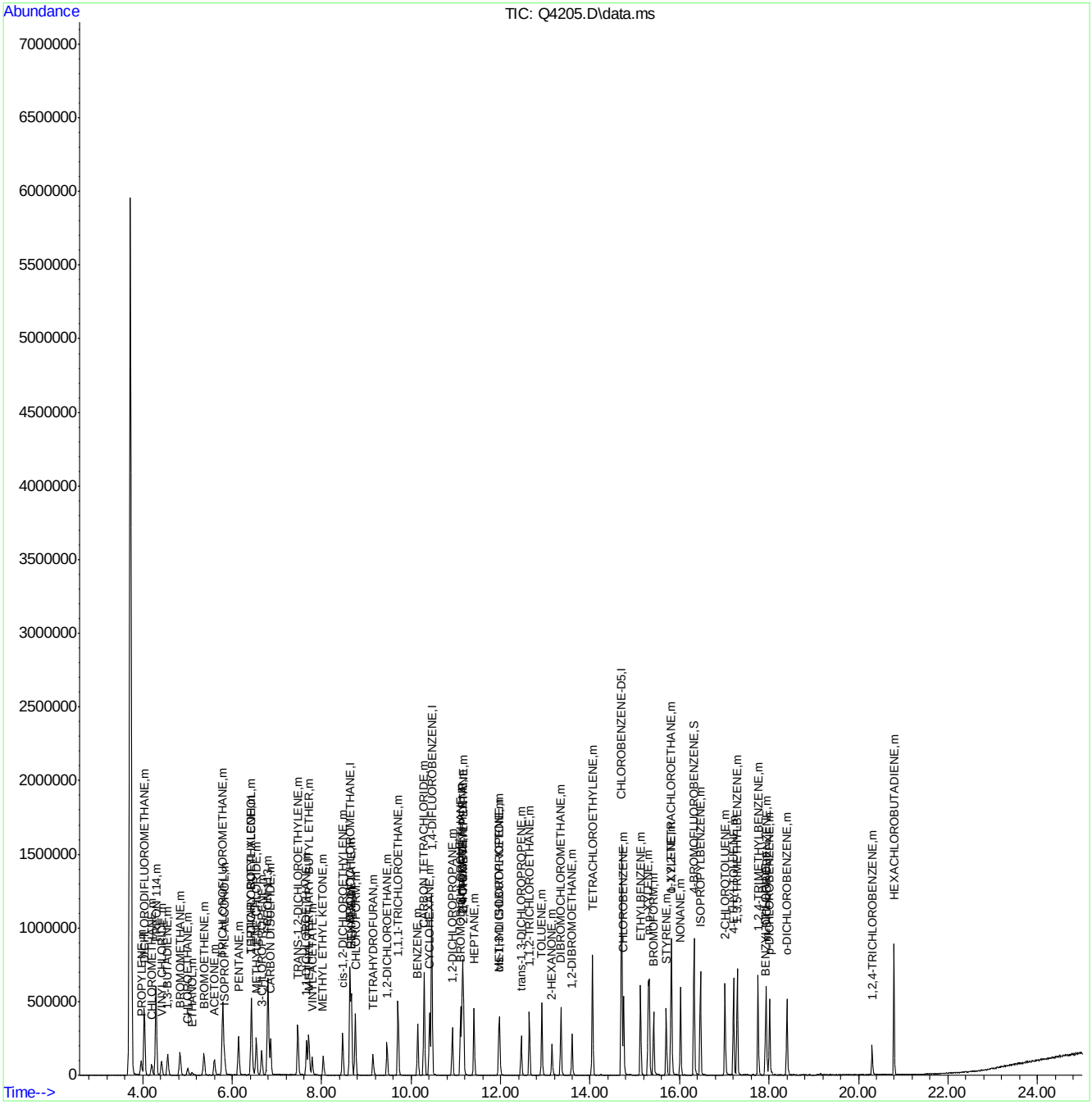
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) METHYL ISOBUTYL KETONE	11.977	43	171487	5.96	PPBV	97
45) cis-1,3-DICHLOROPROPENE	11.961	75	140224	5.40	PPBV	97
46) TOLUENE	12.921	92	178625	4.76	PPBV	99
47) trans-1,3-DICHLOROPROPENE	12.458	75	127136	5.34	PPBV	99
48) 1,1,2-TRICHLOROETHANE	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 M66579

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

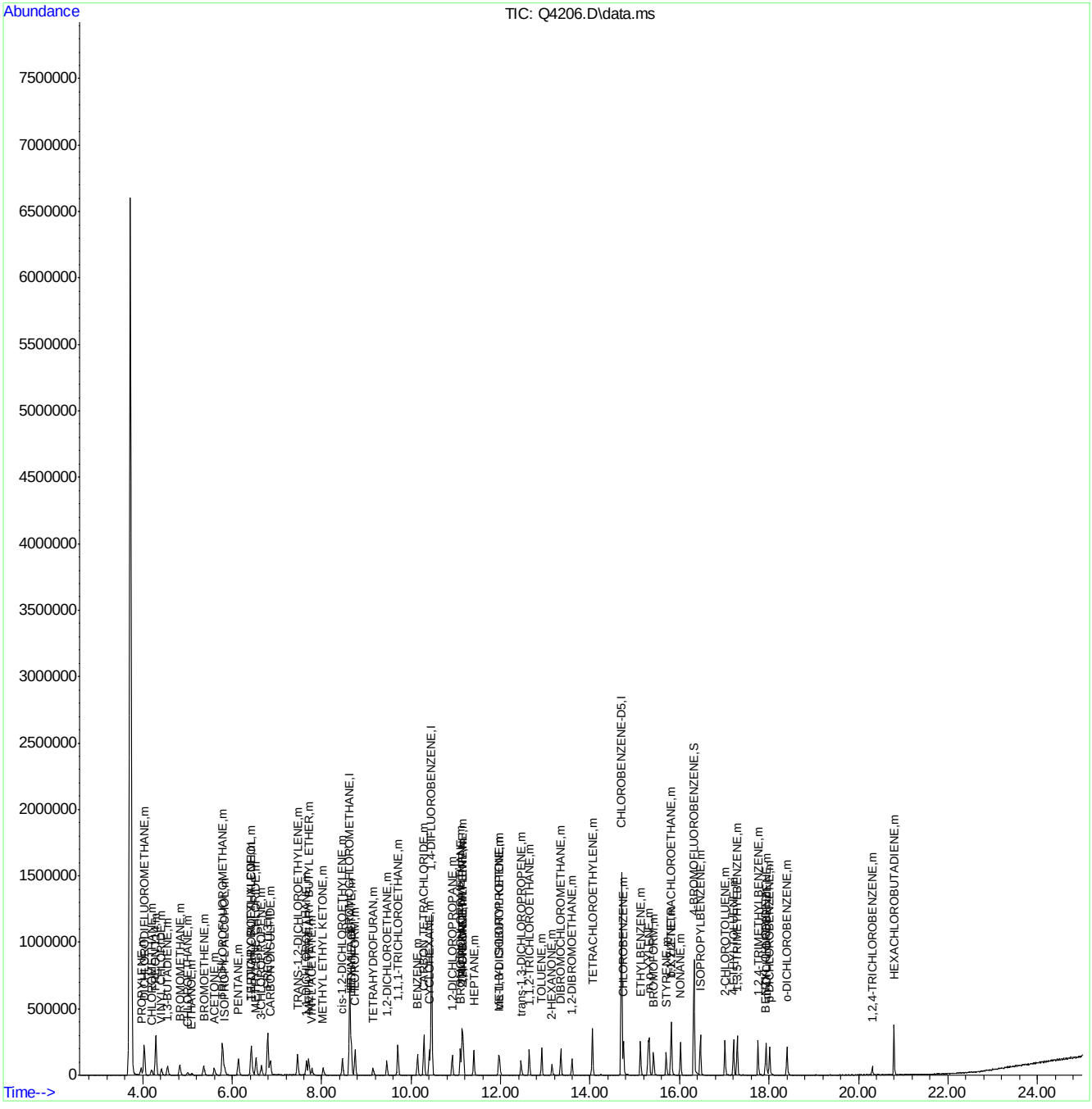
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) METHYL ISOBUTYL KETONE	11.979	43	69259	2.38	PPBV	98
45) cis-1,3-DICHLOROPROPENE	11.954	75	59010	2.29	PPBV	98
46) TOLUENE	12.918	92	75609	2.08	PPBV	99
47) trans-1,3-DICHLOROPROPENE	12.456	75	51442	2.18	PPBV	99
48) 1,1,2-TRICHLOROETHANE	12.641	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

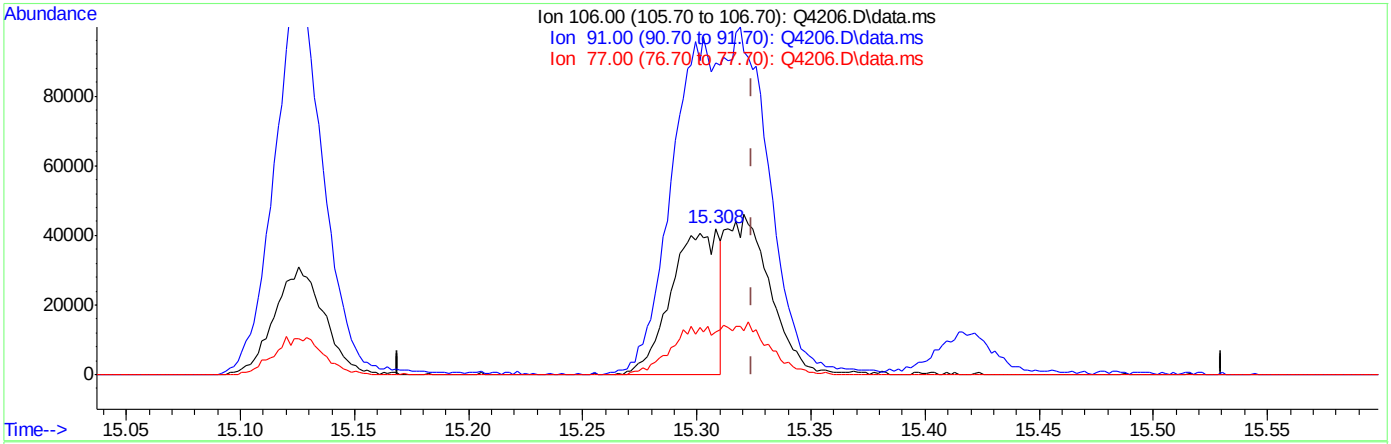


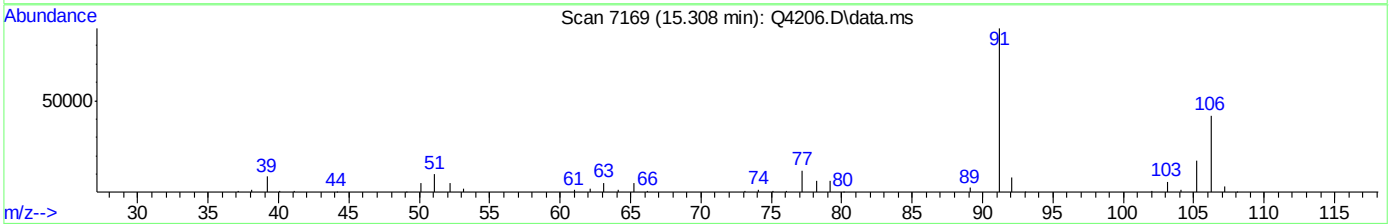
ACCUTEST Laboratories M66579

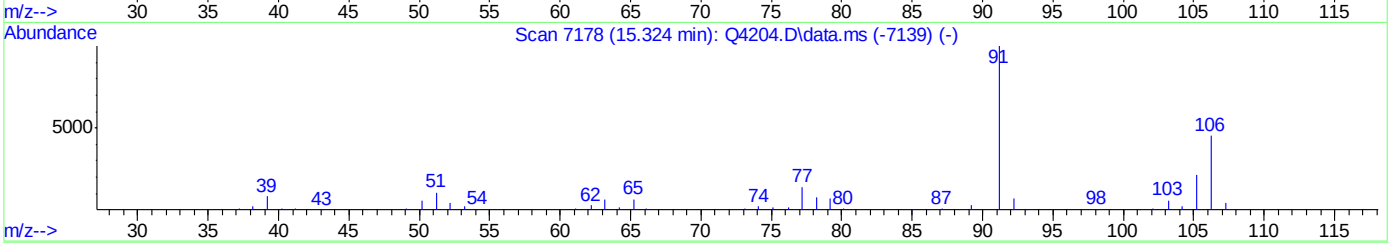
Quantitation Report (Qedit)

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

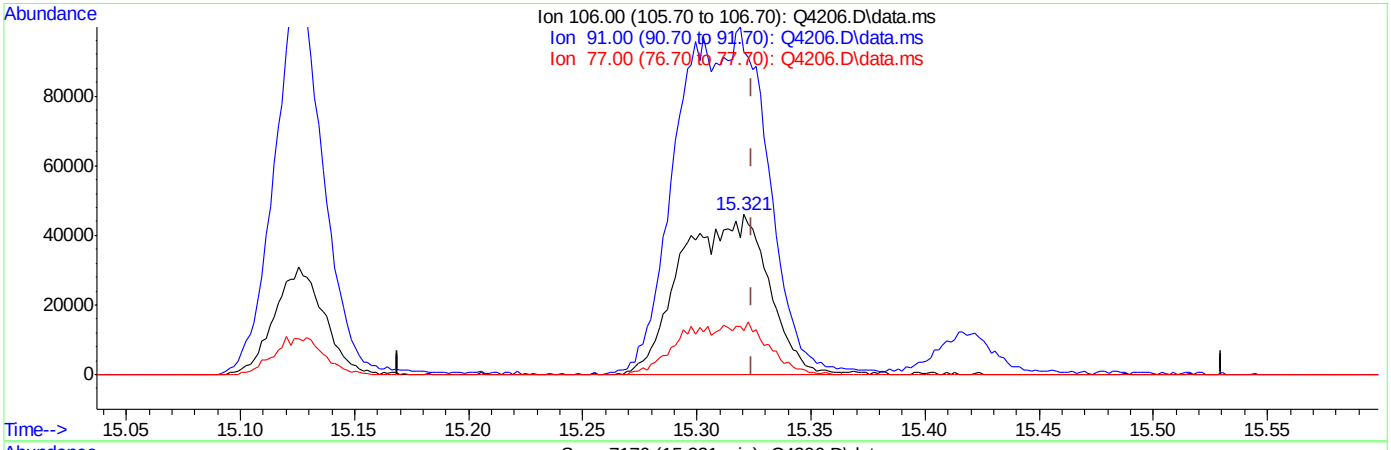
Ion	Exp%	Act%
106.00	100	100
91.00	222.50	213.36
77.00	31.10	28.95
0.00	0.00	0.00

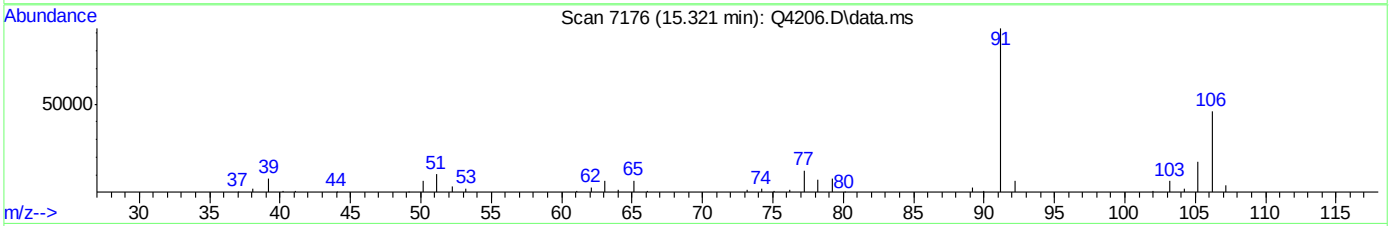
ACCUTEST Laboratories M66579

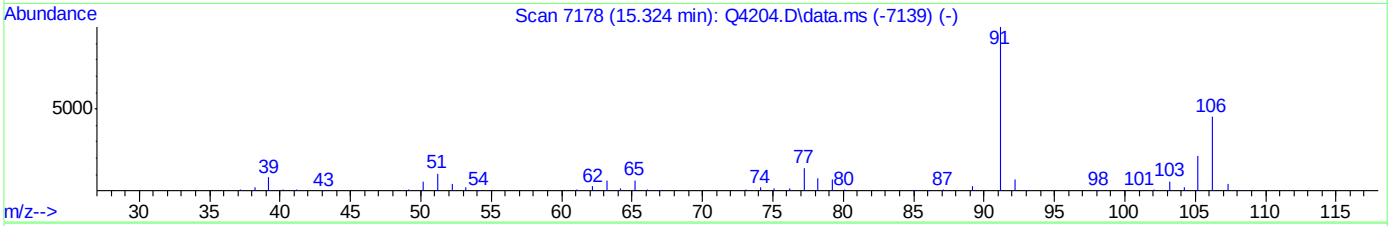
Quantitation Report (Qedit)

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 M66579

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 : Q4209a.D
Acq On : 8 Aug 2007 9:36 am
Operator : danat
Sample : cc223-10 (M164)
Misc : MS14034, MSQ223,,,,,1
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Aug 08 15:12:37 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 : Q4209a.D
Acq On : 8 Aug 2007 9:36 am
Operator : danat
Sample : cc223-10 (M164)
Misc : MS14034, MSQ223,,,,,1
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Aug 08 15:12:37 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

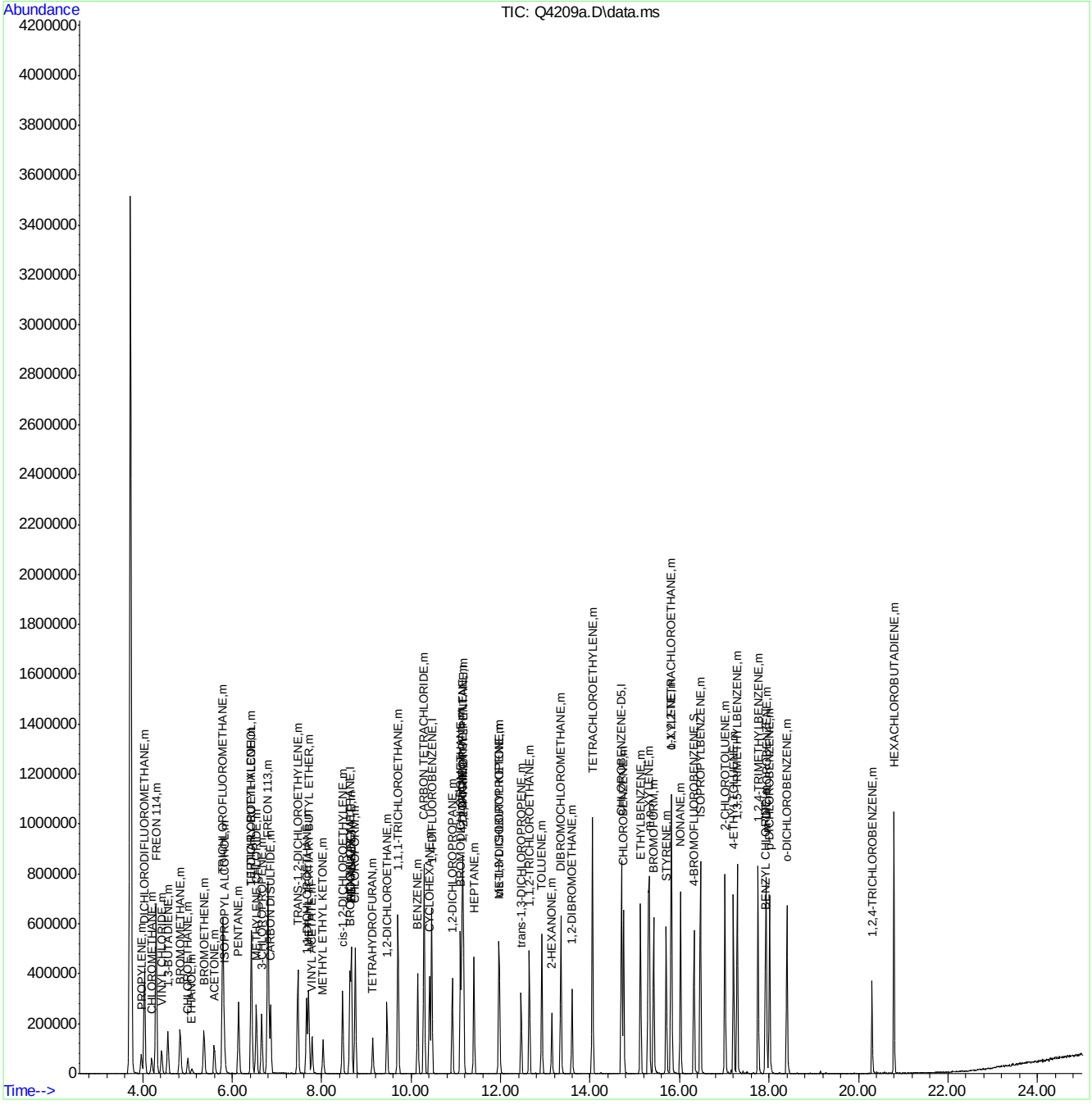
Internal Standards	R.T.	QIon	Response	Conc Units	Dev(Min)
44) METHYL ISOBUTYL KETONE	11.974	43	175875	11.00 PPBV	95
45) cis-1,3-DICHLOROPROPENE	11.959	75	175375	12.45 PPBV	95
46) TOLUENE	12.920	92	202549	10.33 PPBV	97
47) trans-1,3-DICHLOROPROPENE	12.458	75	145431	11.37 PPBV	94
48) 1,1,2-TRICHLOROETHANE	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	271541m	10.28 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 : Q4209a.D
Acq On : 8 Aug 2007 9:36 am
Operator : danat
Sample : cc223-10 (M164)
Misc : MS14034, MSQ223,,,,,1
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Aug 08 15:12:37 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

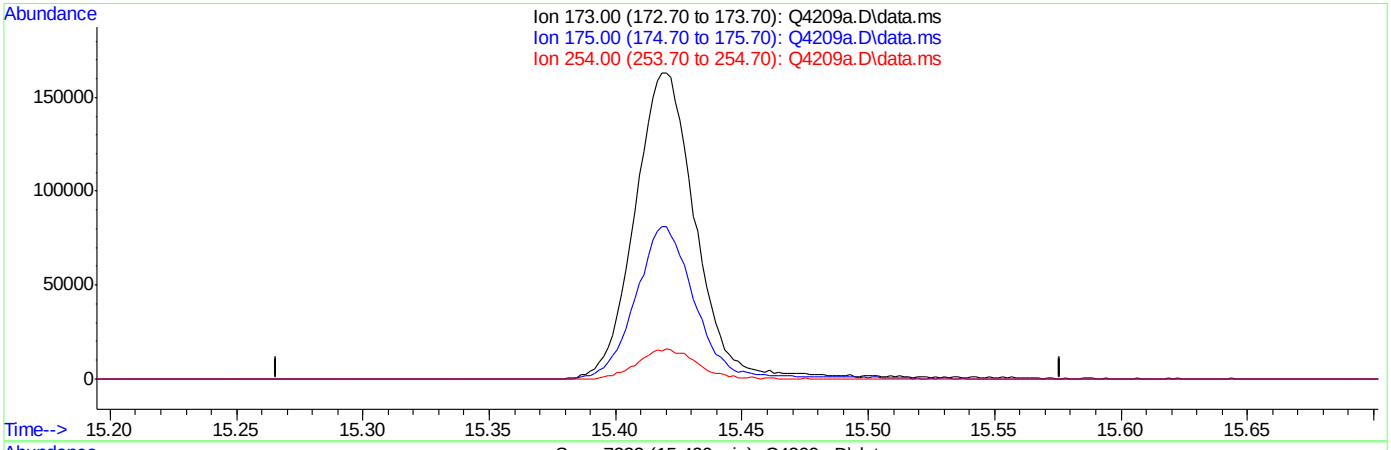


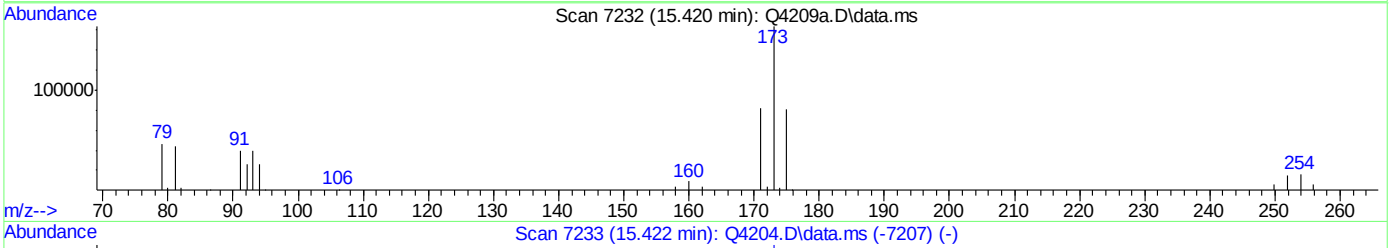
ACCUTEST Laboratories M66579

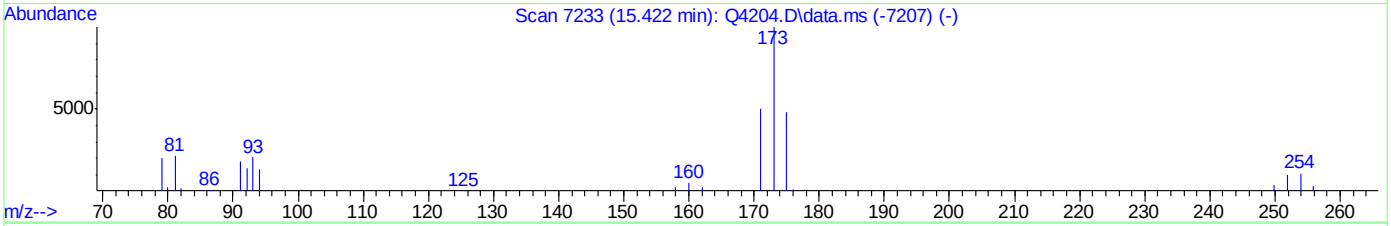
Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\
Data File : Q4209a.D
Acq On : 8 Aug 2007 9:36 am
Operator : danat
Sample : cc223-10 (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: Q4209a.D\data.ms

(60) BROMOFORM (m)

15.421min (-15.421) 0.00PPBV

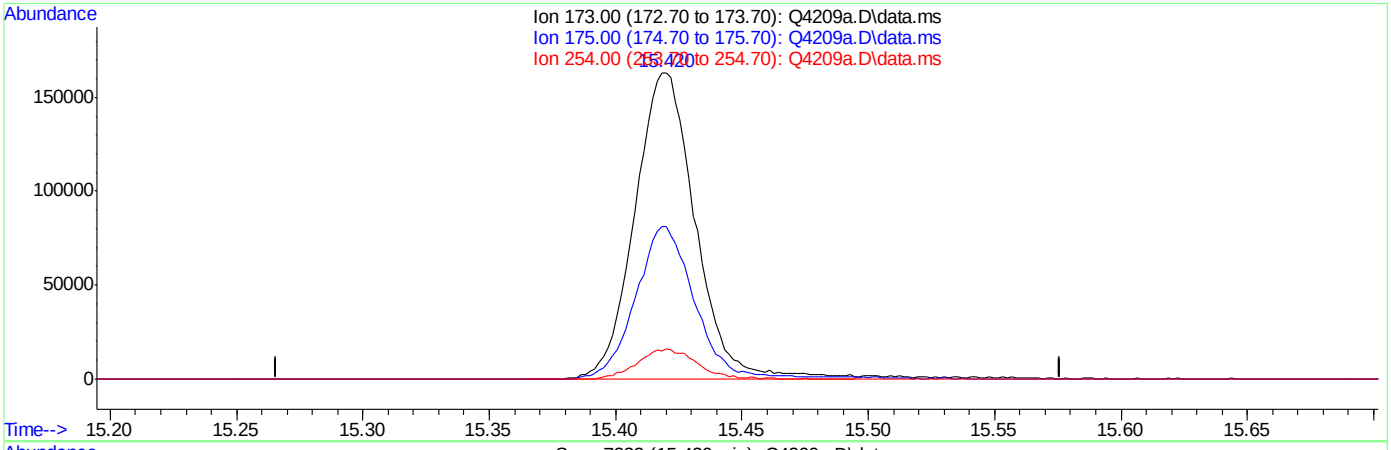
response 0

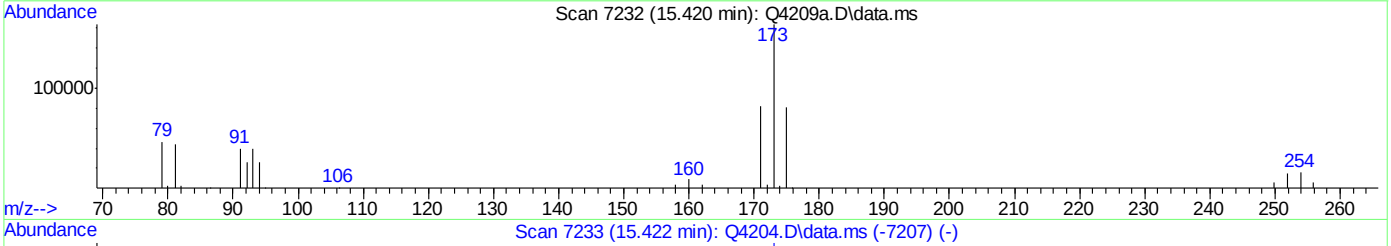
Ion	Exp%	Act%
173.00	100	0.00
175.00	49.10	0.00#
254.00	10.00	0.00
0.00	0.00	0.00

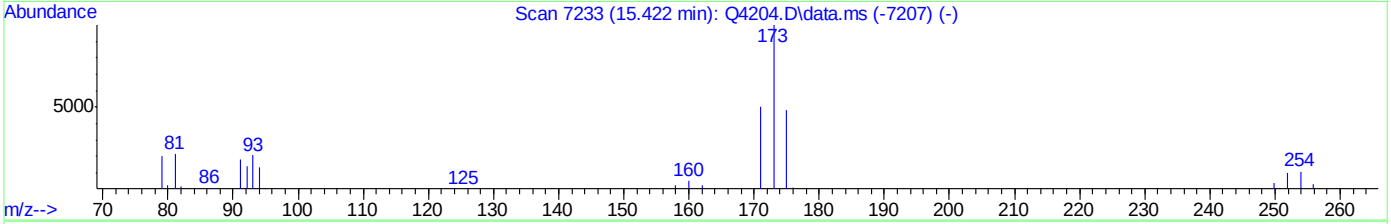
Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\
Data File : Q4209a.D
Acq On : 8 Aug 2007 9:36 am
Operator : danat
Sample : cc223-10 (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: Q4209a.D\data.ms

(60) BROMOFORM (m)

15.420min (-0.001) 10.28PPBV m

response 271541

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

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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 : 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

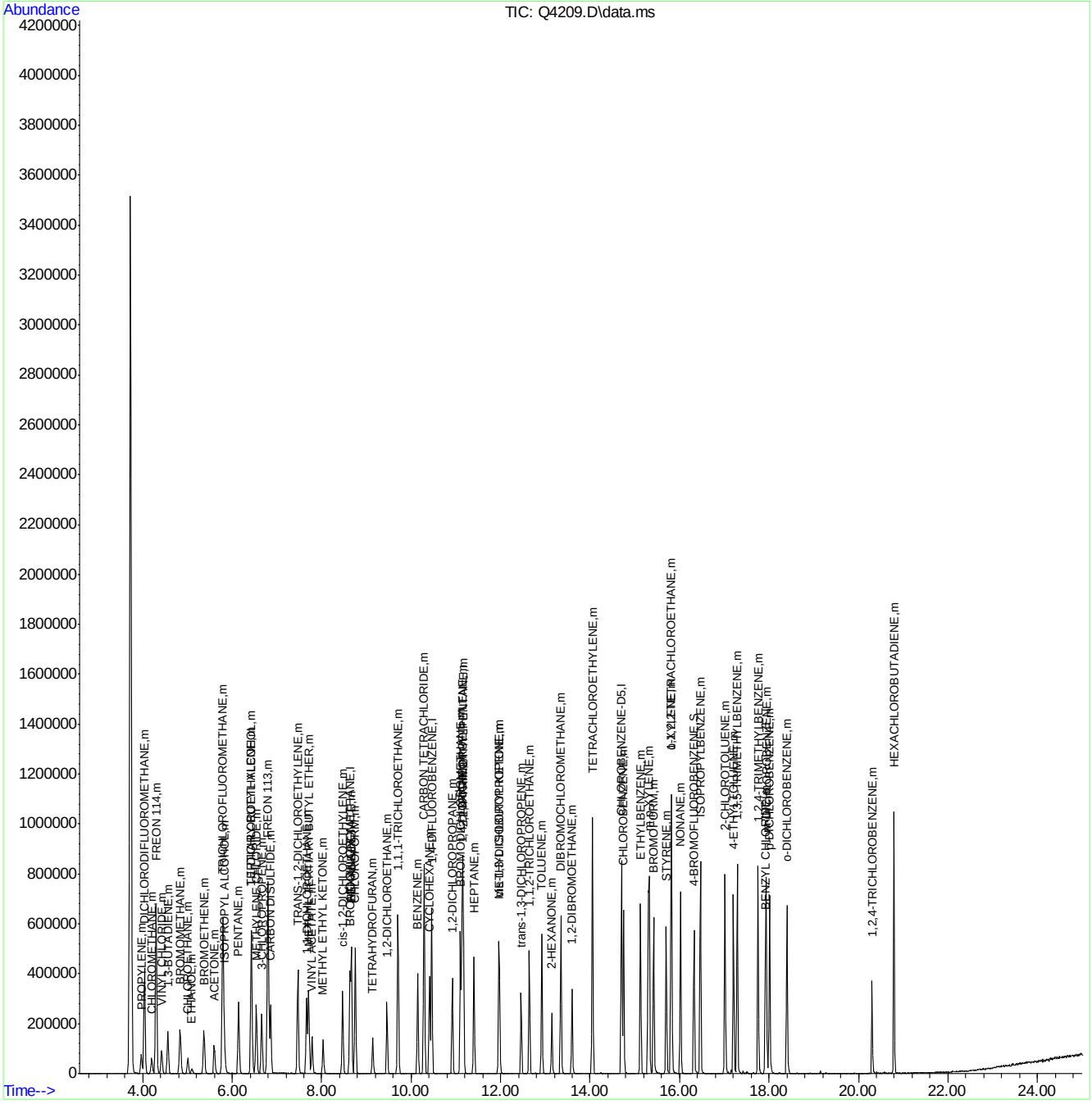
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) METHYL ISOBUTYL KETONE	11.974	43	175875	11.00	PPBV	95
45) cis-1,3-DICHLOROPROPENE	11.959	75	175375	12.45	PPBV	95
46) TOLUENE	12.920	92	202549	10.33	PPBV	97
47) trans-1,3-DICHLOROPROPENE	12.458	75	145431	11.37	PPBV	94
48) 1,1,2-TRICHLOROETHANE	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

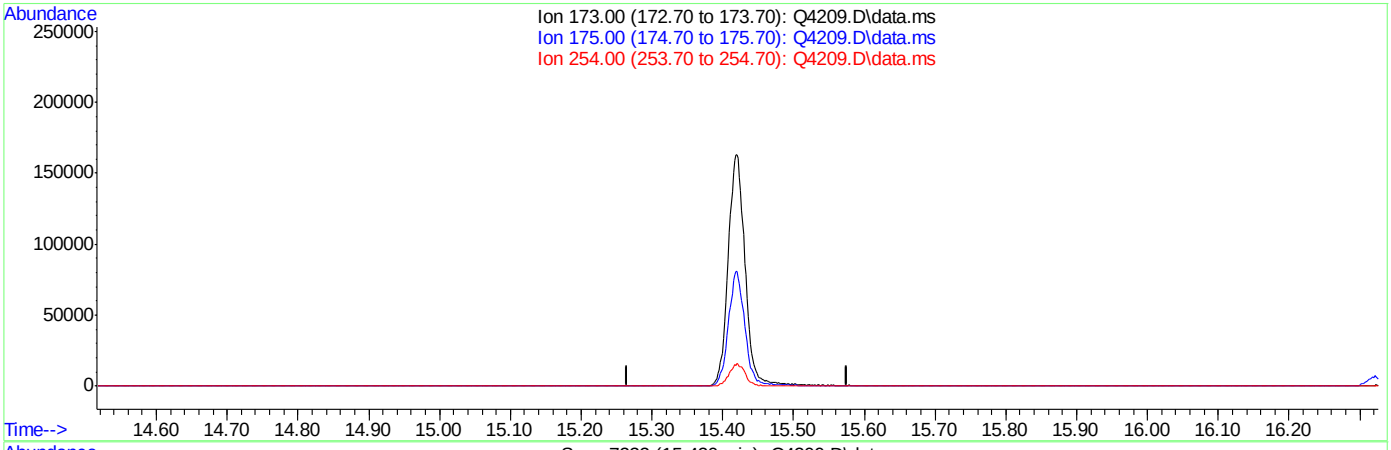


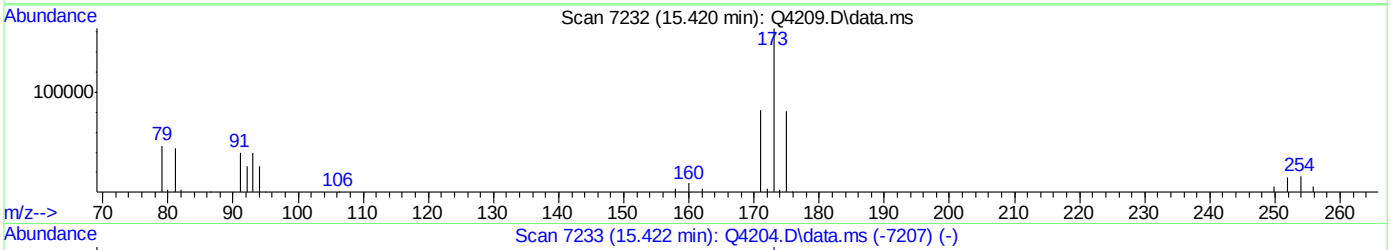
ACCUTEST Laboratories M66579

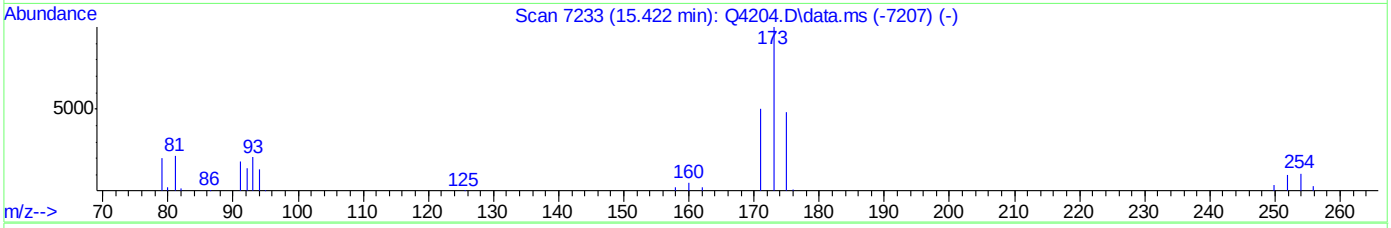
Quantitation Report (Qedit)

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

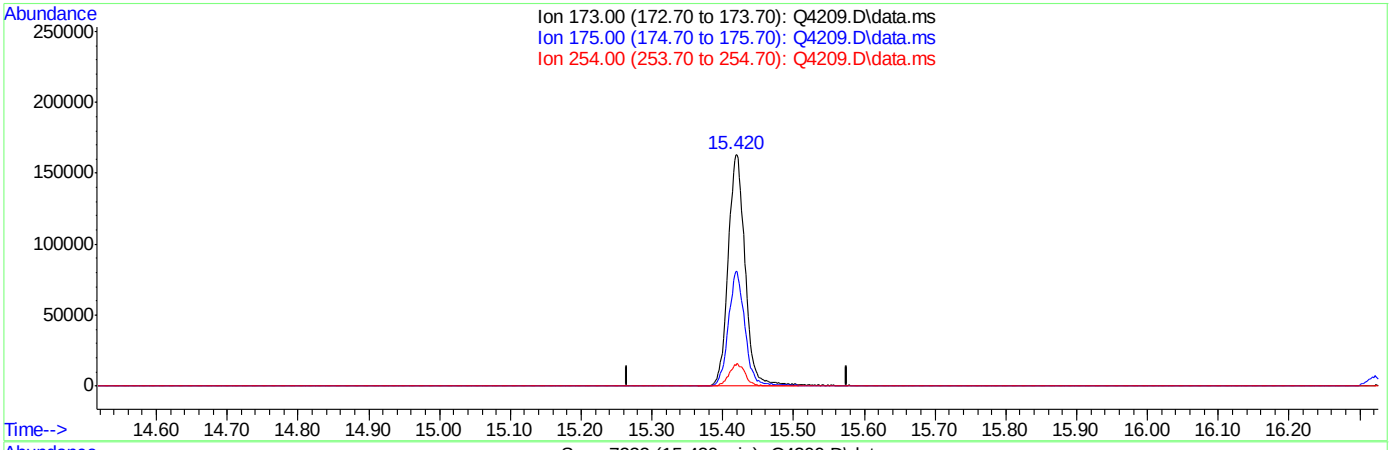
Ion	Exp%	Act%
173.00	100	0.00
175.00	49.10	0.00#
254.00	10.00	0.00
0.00	0.00	0.00

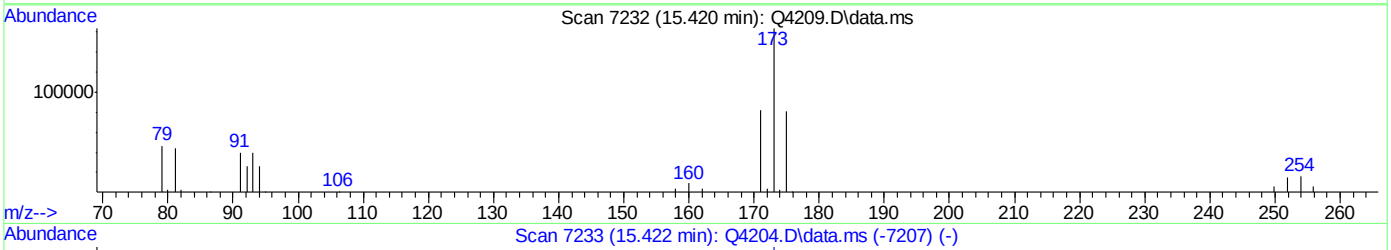
ACCUTEST Laboratories M66579

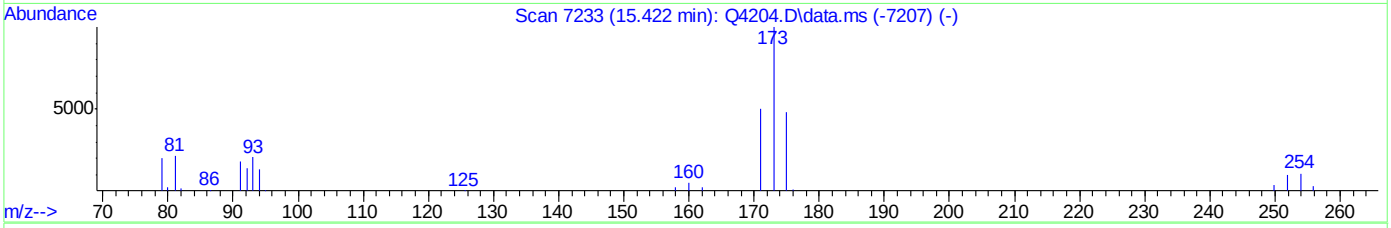
Quantitation Report (Qedit)

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

ACCUTEST Laboratories M66579

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.