AMEC

PALOMAR STREET (NB1016075P)

H&P PROJECT # AEE111313-SB1

LEVEL IV DATA PACKAGE

GCMS#3 INITIAL CALIBRATION
111213VAPOR

8260 ANALYSIS LOG
Lab #: **SB1**
GC/MS#3

Client(s): **111213 ICAL**

H&P Project #'s:

Page: **1** of **1**
Operator: *CS*
Date: **11/12/2013**

Work Order(s):

Matrix Spike: Soil Sample:
Water Sample:
Balance: 10g (Serial # 08-J45023-9)

Ical Method(s): **070113Vapor**
Analyses: 8260 VOC+Oxy
Batch #'s:

Standards

1st VOC Std	LSS-1668	Exp.	11/16/2013	Conc.	20/200/800ug/ml	uL Injection:	2.5	**Int. Std.**	LSS-1659	Exp.	11/29/2013	Conc.	20/400 ug/ml	uL Injection:	2.5
2nd VOC Std	LSS-1669	Exp.	11/17/2013	Conc.	20/200/800ug/ml	uL Injection:	2.5	**Surrogate**	LSS-1658	Exp.	11/29/2013	Conc.	20 ug/ml	uL Injection:	2.5
IS/Surr Combo	LSS-1667	Exp.	1/3/2014	Conc.	20/400 ug/ml	uL Injection:	2.5	**Gasoline**	LSS-1666	Exp.	1/1/2014	Conc.	1.51 mg/ml	uL Injection:	2.5

Preparation Log Methanol Lot #: **113540**

Run Log Lab Temp (°F) high: **72** low: **65**

Workorder Number	Syr. ID	sample matrix	sample wt./vol.	solvent volume	injection volume	dilution factor	H_2O pH	Cont Syringe#	stn/ vial #	**Sample Name**	**Data File Name**	Comments
Rinse			20mL			0.05			1	Tune 1	Tune 1	not used
Rinse			20mL			0.05			2	Tune 2	Tune 2	Use for tune only
Rinse			20mL			0.05			3	Tune 3	Tune 3	not used
Rinse			20mL			0.05			4	Tune 4	Tune 4	not used
			20mL			0.05			5	BLK	BLK	
			20mL			0.05			6	0.5ng	0.5ng	
			20mL			0.05			7	1ng	1ng	
			20mL			0.05			8	2ng	2ng	
			20mL			0.05			9	5ng	5ng	
			20mL			0.05			10	10ng	10ng	
			20mL			0.05			11	10ng r	10ng r	
			20mL			0.05			12	20ng	20ng	
			20mL			0.05			13	50ng	50ng	
			20mL			0.05			14	100ng	100ng	
			20mL			0.05			15	500ng	500ng	
			20mL			0.05			16	1K	1K	
			20mL			0.05			17	2K	2K	
			20mL			0.05			18	Rinse 1	Rinse 1	
			20mL			0.05			19	Rinse 2	Rinse 2	
			20mL			0.05			20	Rinse 3	Rinse 3	
			20mL			0.05			21	Rinse 4	Rinse 4	
			20mL			0.05			22	2nd SRC	2nd SRC	

Footnotes: RR=rerun, OR=overrange

Analyst Initials CJ Date 1/12-13

Response Factor Report GC MS #3

Method Path : C:\MSDCHEM\1\METHODS\METHODS\
Method File : 111213VAPOR.M
Title : 8260 SV for volatile organic compounds GC/MS #3
Last Update : Wed Nov 13 13:17:48 2013
Response Via : Initial Calibration

Calibration Files
1 =1ng.D 5 =5ng.D 10 =10ng r.D
20 =20ng.D 50 =50ng.D 100 =100ng.D

		Compound	1	5	10	20	50	100	Avg	%RSD
1)	I	Fluorobenzene	----------ISTD----------							
2)		1,1-Difluoroethan		0.198	0.182	0.182	0.152	0.157	0.162	14.26
3)	T	Dichlorodifluorom		0.381	0.407	0.391	0.368	0.367	0.358	11.24
4)	TP	Chloromethane		0.443	0.492	0.483	0.436	0.437	0.427	13.81
5)	TC	Vinyl Chloride	0.202	0.337	0.369	0.361	0.346	0.349	0.327	15.77
6)	T	Bromomethane		0.247	0.234	0.213	0.188	0.187	0.199	16.85
7)	T	Chloroethane		0.231	0.247	0.201	0.200	0.196	0.196	16.73
8)	T	Trichlorofluorome		0.488	0.569	0.534	0.485	0.495	0.476	13.93
9)	TC	1,1-Dichloroethen		0.257	0.246	0.268	0.259	0.269	0.250	7.86
10)	T	Freon-113		0.283	0.340	0.332	0.307	0.310	0.295	11.85
11)		acetone		0.142	0.089	0.073	0.037	0.031	0.056	76.53 HR
12)	T	Methylene Chlorid		0.225	0.246	0.215	0.208	0.210	0.213	7.72
13)	T	MTBE*		0.228	0.277	0.255	0.280	0.303	0.292	13.51
14)	T	trans-1,2-Dichlor		0.259	0.275	0.272	0.269	0.286	0.269	4.86
15)		Diisopropyl ether		0.495	0.608	0.583	0.656	0.711	0.632	12.78
16)	TP	1,1-Dichloroethan		0.471	0.535	0.486	0.486	0.482	0.472	8.47
17)		Ethyl-t-butyl eth		0.512	0.546	0.537	0.482	0.515	0.527	5.61
18)	T	2,2-Dichloropropa		0.368	0.435	0.419	0.410	0.423	0.398	7.84
19)		2-Butanone		0.005	0.007	0.008	0.008	0.009	0.008	19.39
20)	T	cis-1,2-Dichloroe		0.235	0.261	0.269	0.272	0.279	0.263	6.20
21)	TC	Chloroform		0.403	0.466	0.426	0.415	0.423	0.409	7.48
22)	T	Bromochloromethan			0.112	0.098	0.094	0.098	0.100	5.85
23)	T	1,1,1-Trichloroet		0.441	0.486	0.470	0.456	0.465	0.447	7.30
24)	S	Dibromofluorometh		0.184	0.206	0.196	0.177	0.184	0.189	6.03
25)	T	1,1-Dichloroprope		0.351	0.351	0.341	0.357	0.377	0.360	5.73
26)	T	Carbon Tetrachlor		0.468	0.458	0.455	0.425	0.434	0.441	16.75
27)	S	1,2-Dichloroethan		0.177	0.192	0.189	0.161	0.169	0.178	7.45
28)	T	1,2-Dichloroethan		0.203	0.249	0.227	0.222	0.221	0.209	13.58
29)		TAME* (2-methoxy-		0.230	0.279	0.305	0.327	0.360	0.339	19.28
30)	TM	Benzene*		1.000	1.119	1.032	1.027	1.060	0.999	10.01
31)	TM	Trichloroethene		0.247	0.313	0.291	0.287	0.297	0.288	7.07
32)	TC	1,2-Dichloropropa		0.212	0.215	0.225	0.224	0.230	0.225	4.41
33)	T	Bromodichlorometh		0.226	0.255	0.237	0.240	0.251	0.246	4.70
34)	T	Dibromomethane		0.047	0.085	0.080	0.080	0.081	0.078	16.55
35)	T	cis-1,3-Dichlorop		0.194	0.227	0.214	0.236	0.256	0.255	17.79
36)		Methyl Isobutyl K		0.073	0.079	0.089	0.094	0.105	0.090	13.92
37)	S	Toluene-d8		0.742	0.872	0.842	0.909	0.968	0.867	9.73
38)	TMC	Toluene*		0.865	0.809	0.753	0.722	0.733	0.736	10.65
39)	T	trans-1,3-Dichlor		0.151	0.179	0.170	0.192	0.201	0.200	16.32
40)	T	1,1,2-Trichloroet		0.085	0.085	0.100	0.099	0.103	0.099	9.43
41)		2-Hexanone		0.046	0.049	0.056	0.062	0.068	0.059	14.85
42)	T	1,2-Dibromoethane		0.077	0.110	0.102	0.107	0.106	0.108	14.24
43)	I	Chlorobenzene-D5	----------ISTD----------							
44)	T	1,3-Dichloropropa		0.521	0.538	0.628	0.644	0.678	0.612	9.00
45)	T	Tetrachloroethene		0.798	0.908	0.934	0.940	0.976	0.868	9.13
46)	T	Dibromochlorometh		0.358	0.422	0.464	0.468	0.484	0.466	11.56
47)	TMP	Chlorobenzene		1.948	2.108	2.220	2.235	2.338	2.132	7.26
48)	TC	Ethylbenzene*		0.905	0.966	1.039	1.180	1.291	1.124	12.74
49)	T	1,1,1,2-Tetrachlo		0.621	0.682	0.700	0.722	0.739	0.691	5.50
50)	T	m,p-Xylene*		1.335	1.411	1.485	1.662	1.741	1.496	11.44
51)	T	o-Xylene*		0.995	1.078	1.150	1.393	1.566	1.312	16.29
52)	T	Styrene		1.281	1.483	1.576	2.093	2.342	1.896	21.51
53)	TP	Bromoform		0.137	0.204	0.203	0.216	0.235	0.219	18.23
54)	I	1,4-Dichlorobenzene-d	----------ISTD----------							
55)	S	4-Bromofluorobenz		0.669	0.650	0.743	0.707	0.755	0.705	6.45

Response Factor Report GC MS #3

Method Path : C:\MSDCHEM\1\METHODS\METHODS\
Method File : 111213VAPOR.M
Title : 8260 SV for volatile organic compounds GC/MS #3
Last Update : Wed Nov 13 13:17:48 2013
Response Via : Initial Calibration

Calibration Files
1 =1ng.D 5 =5ng.D 10 =10ng r.D
20 =20ng.D 50 =50ng.D 100 =100ng.D

		Compound	1	5	10	20	50	100	Avg	%RSD	
56)	T	Isopropylbenzene	2.642	2.548	3.308	3.442	3.949	3.329		16.92	
57)	TP	1,1,2,2-Tetrachlo	0.373	0.388	0.483	0.363	0.375	0.400		9.71	
58)	T	1,2,3-Trichloropr	0.326	0.328	0.385	0.348	0.369	0.360		6.50	
59)	T	n-Propylbenzene	3.735	3.816	4.744	4.857	5.215	4.412		15.00	
60)	T	Bromobenzene	0.711	0.731	0.820	0.778	0.849	0.804		7.27	
61)	T	1,3,5-Trimethylbe	2.528	2.462	3.171	3.347	3.578	3.055		14.55	
62)	T	2-Chlorotoluene	2.486	2.475	3.019	2.920	3.124	2.841		9.95	
63)	T	4-Chlorotoluene	2.214	2.287	2.613	2.701	2.828	2.544		9.44	
64)	T	tert-Butylbenzene	2.717	2.466	3.172	3.407	3.782	3.276		15.60	
65)	T	1,2,4-Trimethylbe	2.487	2.409	2.884	3.146	3.338	2.884		12.63	
66)	T	sec-Butylbenzene	3.337	3.442	4.286	4.675	5.049	4.206		16.69	
67)	T	p-Isopropyltoluen	2.437	2.736	3.359	3.924	4.272	3.460		19.82	
68)	T	1,3-Dichlorobenze	1.798	1.903	1.986	1.946	1.983	1.869		6.41	
69)	T	1,4-Dichlorobenze	1.804	1.818	1.810	1.804	1.815	1.773		4.33	
70)	T	n-Butylbenzene	2.555	2.439	2.723	3.430	3.705	3.084		16.96	
71)	T	1,2-Dichlorobenze	1.452	1.459	1.609	1.501	1.576	1.513		4.28	
72)	T	1,2-Dibromo-3-chl			0.012	0.049	0.052	0.047		37.19	LR
73)	T	1,2,4-Trichlorobe	0.644	0.648	0.573	0.670	0.767	0.744		17.16	
74)	T	Hexachlorobutadie	0.569	0.590	0.509	0.564	0.605	0.577		5.98	
75)	T	Naphthalene	0.722	0.610	0.642	0.733	0.920	0.889		32.08	LR
76)	T	1,2,3-Trichlorobe	0.380	0.481	0.435	0.501	0.583	0.543		20.14	
77)	I	TBA-d9	----------ISTD----------								
78)		Ethanol			0.177	0.164	0.149	0.145		14.83	
79)		Isopropyl Alcohol	0.855	0.919	0.872	0.866	0.847	0.853		3.94	
80)	T	t-Butanol *			2.621	1.436	1.425	1.572		32.93	L,R,

(#) = Out of Range ### Number of calibration levels exceeded format ###

Response Factor Report GC MS #3

Method Path : C:\MSDCHEM\1\METHODS\METHODS\
Method File : 111213VAPOR.M
Title : 8260 SV for volatile organic compounds GC/MS #3
Last Update : Wed Nov 13 15:03:13 2013
Response Via : Initial Calibration

Calibration Files
500 =500ng.D 1000=1K.D 2000=2K.D
2 =2ng.D = =

		Compound	500	1000	2000	2	Avg	%RSD
1)	I	Fluorobenzene	----------ISTD----------					
2)		1,1-Difluoroethan	0.152	0.144	0.128		0.142	8.59
3)	T	Dichlorodifluorom	0.347	0.323	0.282		0.317	10.41
4)	TP	Chloromethane	0.421	0.398	0.302		0.374	16.84
5)	TC	Vinyl Chloride	0.337	0.317	0.281	0.372	0.326	11.65
6)	T	Bromomethane	0.164	0.160			0.162	1.52
7)	T	Chloroethane	0.181	0.173	0.141		0.165	12.74
8)	T	Trichlorofluorome	0.457	0.424	0.353		0.411	12.90
9)	TC	1,1-Dichloroethen	0.254	0.241	0.208		0.234	10.15
10)	T	Freon-113	0.283	0.271	0.232		0.262	10.14
11)		acetone	0.026	0.024	0.023		0.025	5.59
12)	T	Methylene Chlorid	0.206	0.204	0.191		0.200	3.93
13)	T	MTBE*	0.338	0.339	0.316		0.331	4.07
14)	T	trans-1,2-Dichlor	0.277	0.271	0.243		0.264	7.02
15)		Diisopropyl ether	0.730	0.695	0.574		0.666	12.26
16)	TP	1,1-Dichloroethan	0.471	0.452	0.393		0.439	9.28
17)		Ethyl-t-butyl eth	0.562	0.562	0.499		0.541	6.73
18)	T	2,2-Dichloropropa	0.393	0.393	0.341		0.376	7.99
19)		2-Butanone	0.010	0.010	0.009		0.010	1.59
20)	T	cis-1,2-Dichloroe	0.275	0.270	0.240		0.262	7.16
21)	TC	Chloroform	0.399	0.396	0.351	0.405	0.387	6.43
22)	T	Bromochloromethan	0.100	0.103	0.098		0.100	2.77
23)	T	1,1,1-Trichloroet	0.441	0.434	0.378		0.418	8.21
24)	S	Dibromofluorometh					0.000	-1.00
25)	T	1,1-Dichloroprope	0.388	0.381	0.329		0.366	8.80
26)	T	Carbon Tetrachlor	0.395	0.394	0.338	0.606	0.433	27.31
27)	S	1,2-Dichloroethan					0.000	-1.00
28)	T	1,2-Dichloroethan	0.213	0.208	0.190	0.148	0.190	15.64
29)		TAME* (2-methoxy-	0.396	0.418	0.394		0.403	3.21
30)	TM	Benzene*	0.980	0.942	0.771	1.064	0.939	13.13
31)	TM	Trichloroethene	0.303	0.303	0.270	0.276	0.288	6.12
32)	TC	1,2-Dichloropropa	0.232	0.243	0.222		0.232	4.64
33)	T	Bromodichlorometh	0.255	0.261	0.244		0.253	3.49
34)	T	Dibromomethane	0.083	0.086	0.084		0.084	1.44
35)	T	cis-1,3-Dichlorop	0.302	0.317	0.298		0.306	3.42
36)		Methyl Isobutyl K	0.107	0.097	0.079		0.094	15.24
37)	S	Toluene-d8					0.000	-1.00
38)	TMC	Toluene*	0.702	0.700	0.602		0.668	8.54
39)	T	trans-1,3-Dichlor	0.229	0.242	0.233		0.234	2.83
40)	T	1,1,2-Trichloroet	0.106	0.109	0.106		0.107	1.77
41)		2-Hexanone	0.071	0.065	0.054		0.063	13.45
42)	T	1,2-Dibromoethane	0.115	0.126	0.125		0.122	4.84
43)	I	Chlorobenzene-D5	----------ISTD----------					
44)	T	1,3-Dichloropropa	0.647	0.636	0.601		0.628	3.81
45)	T	Tetrachloroethene	0.855	0.826	0.727	0.843	0.813	7.20
46)	T	Dibromochlorometh	0.497	0.522	0.513		0.511	2.52
47)	TMP	Chlorobenzene	2.186	2.150	1.869		2.069	8.38
48)	TC	Ethylbenzene*	1.238	1.262	1.109		1.203	6.85
49)	T	1,1,1,2-Tetrachlo	0.691	0.713	0.656		0.687	4.18
50)	T	m,p-Xylene*	1.595	1.515	1.224		1.445	13.54
51)	T	o-Xylene*	1.494	1.496	1.326		1.439	6.75
52)	T	Styrene	2.320	2.204	1.869		2.131	10.99
53)	TP	Bromoform	0.241	0.255	0.263		0.253	4.41
54)	I	1,4-Dichlorobenzene-d	----------ISTD----------					
55)	S	4-Bromofluorobenz					0.000	-1.00

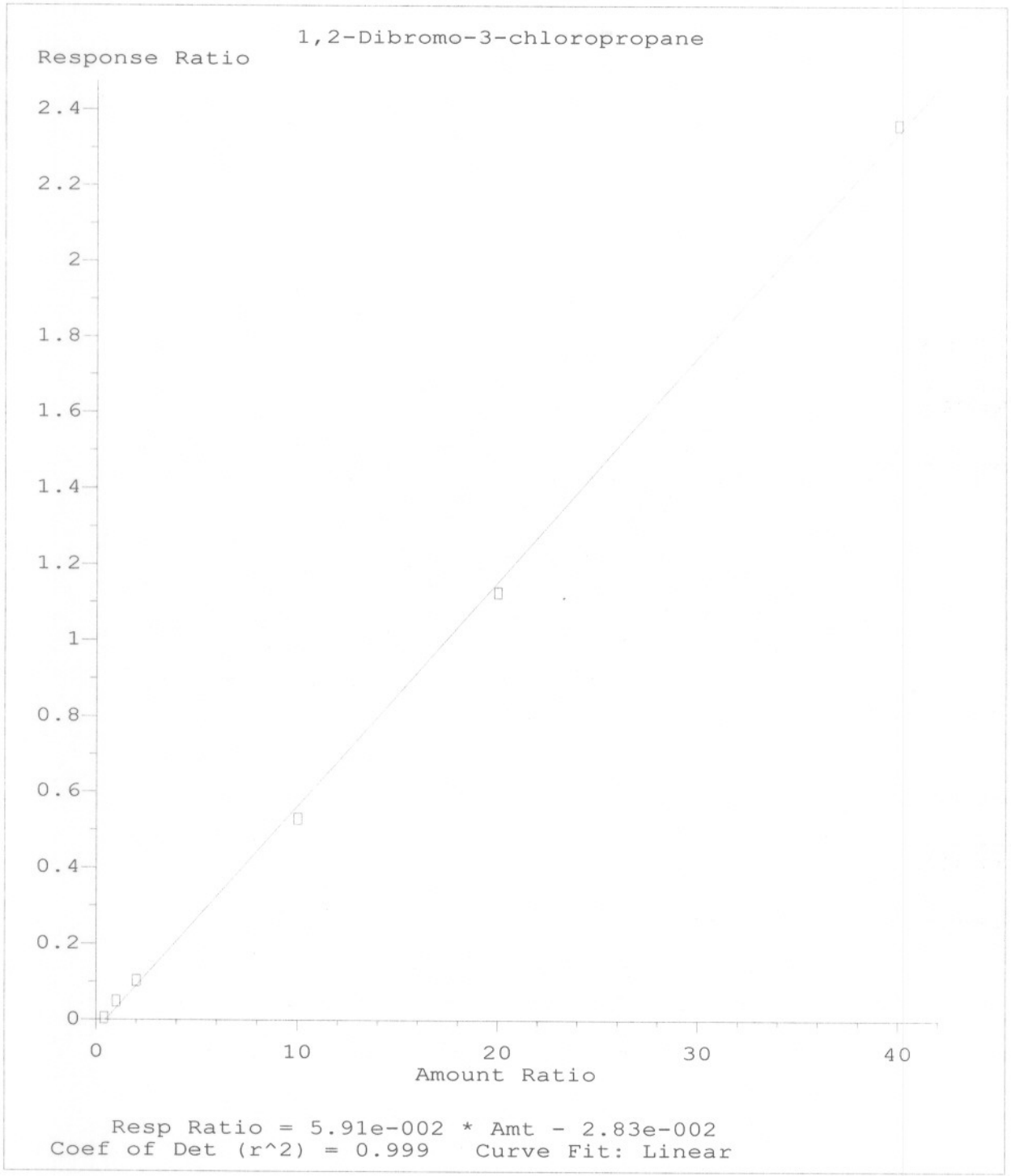
Response Factor Report GC MS #3

Method Path : C:\MSDCHEM\1\METHODS\METHODS\
Method File : 111213VAPOR.M
Title : 8260 SV for volatile organic compounds GC/MS #3
Last Update : Wed Nov 13 15:03:13 2013
Response Via : Initial Calibration

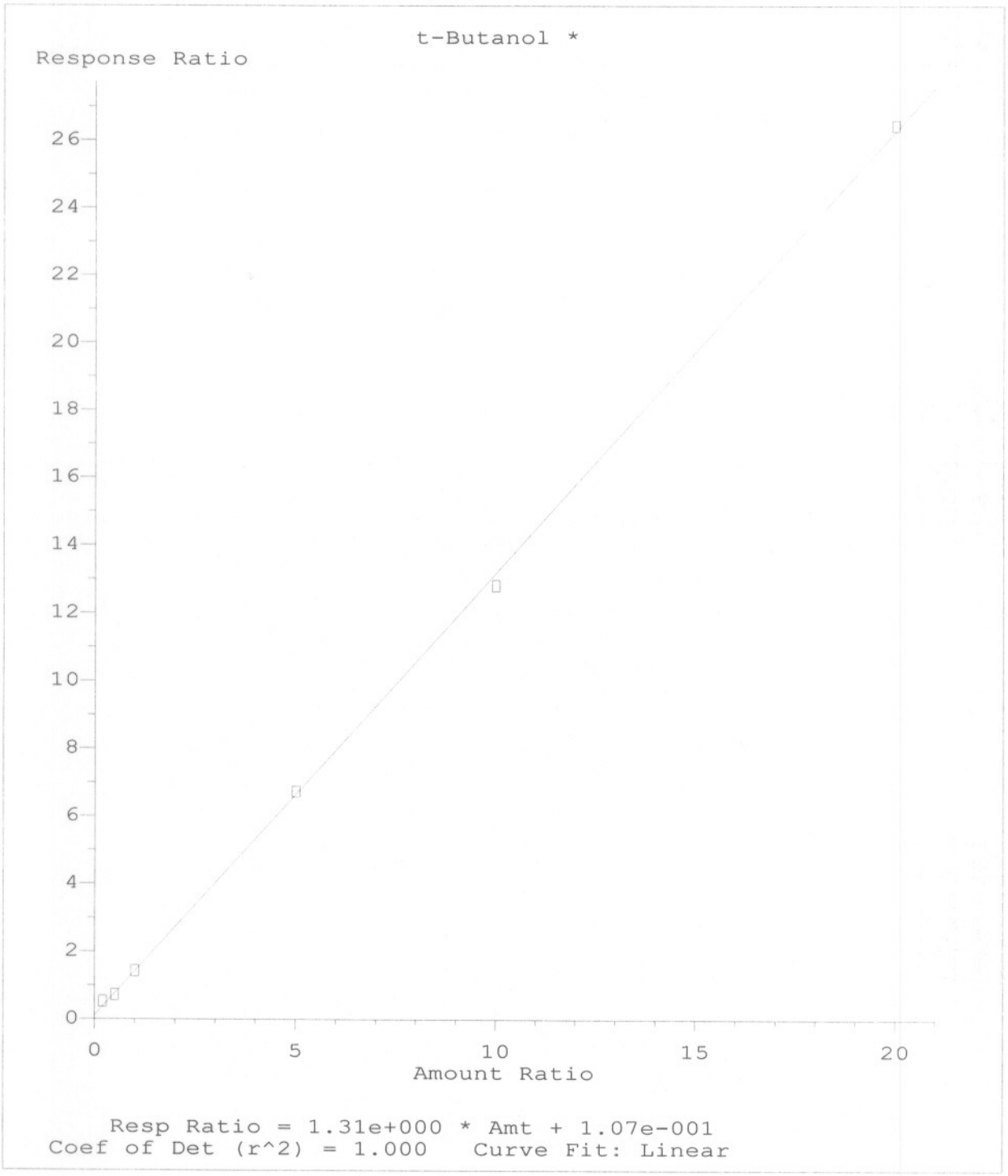
Calibration Files
500 =500ng.D 1000=1K.D 2000=2K.D
2 =2ng.D = =

		Compound	500	1000	2000	2	Avg	%RSD
56)	T	Isopropylbenzene	3.941	3.821	2.976		3.580	14.69
57)	TP	1,1,2,2-Tetrachlo	0.386	0.419	0.413		0.406	4.36
58)	T	1,2,3-Trichloropr	0.367	0.387	0.368		0.374	2.95
59)	T	n-Propylbenzene	4.945	4.570	3.417		4.311	18.47
60)	T	Bromobenzene	0.841	0.876	0.823		0.847	3.18
61)	T	1,3,5-Trimethylbe	3.441	3.280	2.629		3.117	13.80
62)	T	2-Chlorotoluene	3.078	3.059	2.564		2.901	10.04
63)	T	4-Chlorotoluene	2.742	2.674	2.295		2.570	9.38
64)	T	tert-Butylbenzene	3.811	3.776	3.078		3.555	11.64
65)	T	1,2,4-Trimethylbe	3.203	3.082	2.524		2.936	12.33
66)	T	sec-Butylbenzene	4.884	4.539	3.431		4.285	17.72
67)	T	p-Isopropyltoluen	4.127	3.851	2.971		3.650	16.55
68)	T	1,3-Dichlorobenze	1.884	1.828	1.625		1.779	7.66
69)	T	1,4-Dichlorobenze	1.784	1.762	1.589		1.712	6.24
70)	T	n-Butylbenzene	3.686	3.397	2.736		3.273	14.89
71)	T	1,2-Dichlorobenze	1.542	1.537	1.424		1.501	4.42
72)	T	1,2-Dibromo-3-chl	0.053	0.056	0.059		0.056	5.42
73)	T	1,2,4-Trichlorobe	0.885	0.866	0.901		0.884	1.99
74)	T	Hexachlorobutadie	0.596	0.609			0.602	1.49
75)	T	Naphthalene	1.195	1.214	1.328	0.633	1.093	28.56
76)	T	1,2,3-Trichlorobe	0.647	0.637	0.680		0.655	3.44
77)	I	TBA-d9	----------ISTD----------					
78)		Ethanol	0.132	0.126	0.125		0.128	2.74
79)		Isopropyl Alcohol	0.818	0.830	0.818		0.822	0.87
80)	T	t-Butanol *	1.346	1.281	1.321		1.316	2.47

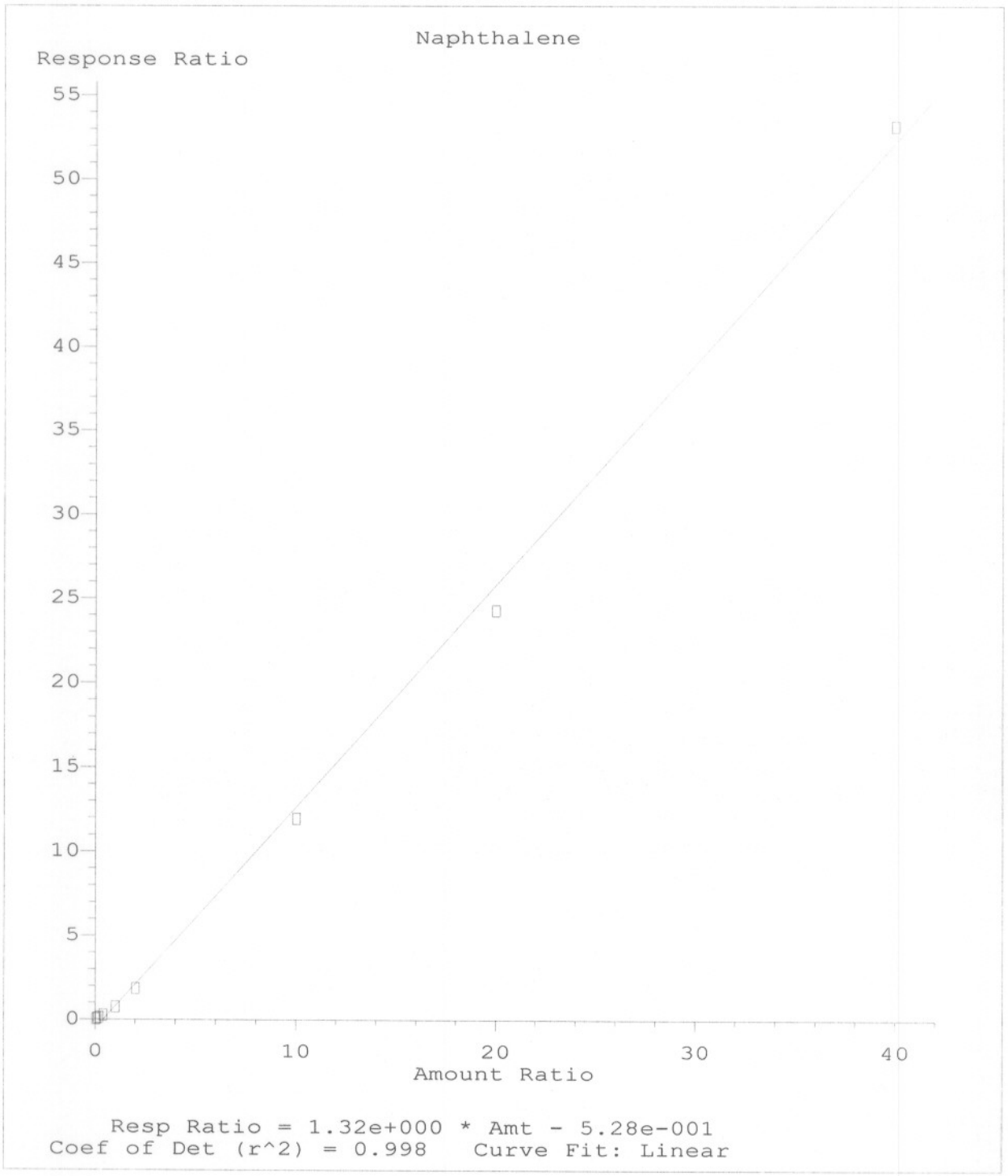
(#) = Out of Range ### Number of calibration levels exceeded format ###



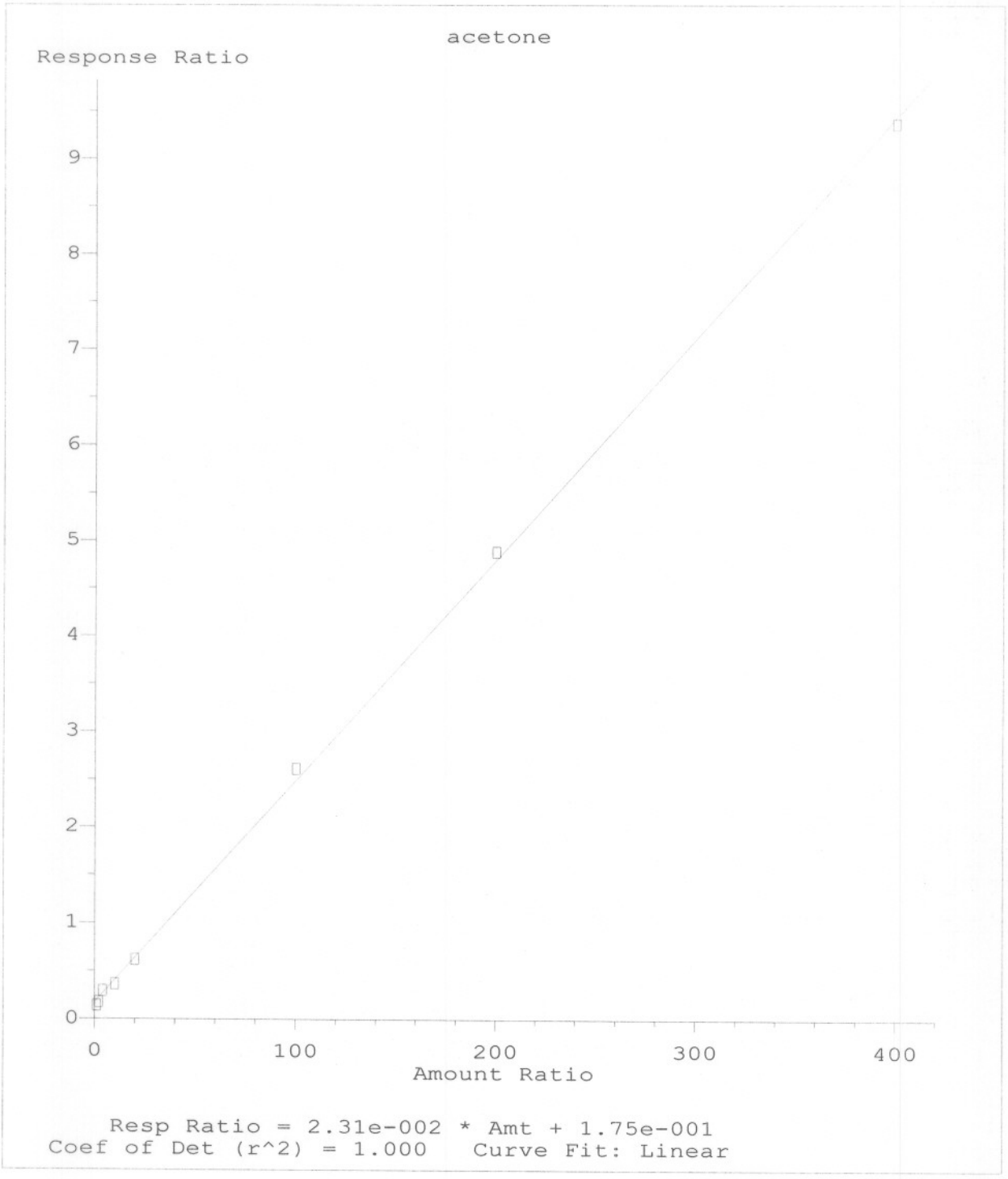
Method Name: C:\MSDCHEM\1\METHODS\METHODS\111213VAPOR.M
Calibration Table Last Updated: Wed Nov 13 12:58:40 2013



Method Name: C:\MSDCHEM\1\METHODS\METHODS\111213VAPOR.M
Calibration Table Last Updated: Wed Nov 13 13:11:04 2013



Method Name: C:\MSDCHEM\1\METHODS\METHODS\111213VAPOR.M
Calibration Table Last Updated: Wed Nov 13 13:01:43 2013



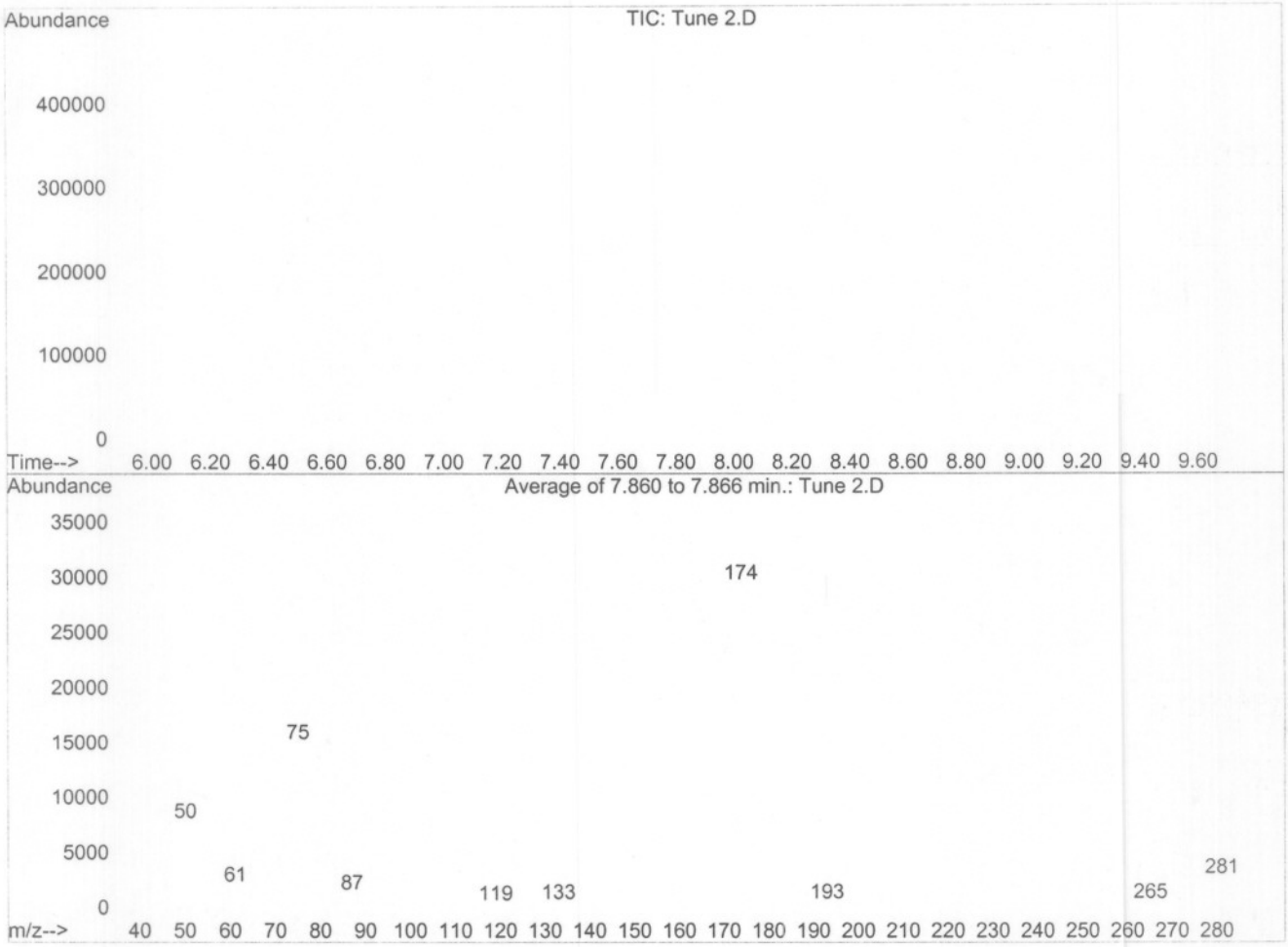
Method Name: C:\MSDCHEM\1\METHODS\METHODS\111213VAPOR.M
Calibration Table Last Updated: Wed Nov 13 12:44:30 2013

Data Path : E:\data\111213\
Data File : Tune 2.D
Acq On : 12 Nov 2013 8:20 am
Operator : CS
Sample : Tune
Misc :
ALS Vial : 2 Sample Multiplier: 1

OK

Integration File: RTEINT.P

Method : C:\MSDCHEM\1\METHODS\METHODS\070113VAPOR.M
Title : 8260 SV for volatile organic compounds GC/MS #3
Last Update : Wed Nov 06 16:58:25 2013



Spectrum Information: Average of 7.860 to 7.866 min.

Target Mass	Rel. to Mass	Lower Limit%	Upper Limit%	Rel. Abn%	Raw Abn	Result Pass/Fail
50	95	15	40	21.7	7706	PASS
75	95	30	60	42.1	14922	PASS
95	95	100	100	100.0	35444	PASS
96	95	5	9	6.9	2458	PASS
173	174	0.00	2	0.0	0	PASS
174	95	50	100	83.0	29408	PASS
175	174	5	9	8.9	2630	PASS
176	174	95	101	97.6	28712	PASS
177	176	5	9	6.1	1748	PASS

Quantitation Report (Not Reviewed)

Data Path : E:\data\111213\
Data File : 1ng.D
Acq On : 12 Nov 2013 10:24 am
Operator : CS
Sample : ICAL 1ng
Misc :
ALS Vial : 8 Sample Multiplier: 1

Quant Time: Nov 12 14:11:43 2013
Quant Method : C:\MSDCHEM\1\METHODS\METHODS\070113VAPOR.M
Quant Title : 8260 SV for volatile organic compounds GC/MS #3
QLast Update : Wed Nov 06 16:58:25 2013
Response via : Initial Calibration
InstName : GC MS #3

Internal Standards	R.T.	QIon	Response	Conc Units	Dev(Min)
1) Fluorobenzene	4.73	96	153845	50.00 ng	0.00
43) Chlorobenzene-D5	6.93	82	53483	50.00 ng	0.00
54) 1,4-Dichlorobenzene-d4	8.83	152	46016	50.00 ng	0.00
77) TBA-d9	3.10	65	21150	1000.00 ng	0.00
System Monitoring Compounds					
24) Dibromofluoromethane	0.00	113	0	0.00 ng	
Spiked Amount 50.000	Range 75 - 125		Recovery =	0.00%#	
27) 1,2-Dichloroethane-d4	0.00	65	0	0.00 ng	
Spiked Amount 50.000	Range 62 - 139		Recovery =	0.00%#	
37) Toluene-d8	5.83	98	940	0.34 ng	0.00
Spiked Amount 50.000	Range 75 - 125		Recovery =	0.68%#	
55) 4-Bromofluorobenzene	0.00	174	0	0.00 ng	
Spiked Amount 50.000	Range 75 - 125		Recovery =	0.00%#	

Target Compounds						Qvalue
2) 1,1-Difluoroethane	1.56	65	461	0.95 ng	#	39
3) Dichlorodifluoromethane	1.59	85	1228	1.20 ng	#	35
4) Chloromethane	1.75	50	1549	1.54 ng	#	33
5) Vinyl Chloride	1.85	62	620	0.63 ng	#	42
6) Bromomethane	2.13	94	750	1.22 ng		75
7) Chloroethane	2.22	64	188	0.35 ng	#	44
8) Trichlorofluoromethane	2.41	101	1351	1.06 ng		80
9) 1,1-Dichloroethene	2.78	96	511	0.65 ng		88
10) Freon-113	2.78	101	910	1.04 ng	#	18
11) acetone	2.80	43	19444	359.76 ng	#	100
12) Methylene Chloride	3.11	84	593	0.94 ng	#	77
13) MTBE*	3.29	73	368	0.46 ng	#	100
14) trans-1,2-Dichloroethene	3.30	96	179	0.22 ng	#	35
15) Diisopropyl ether*	3.60	45	1335	0.92 ng	#	58
16) 1,1-Dichloroethane	3.58	63	1153	0.99 ng		100
17) Ethyl-t-butyl ether*	3.84	59	3516	2.95 ng		85
18) 2,2-Dichloropropane	3.97	77	756	0.75 ng		100
21) Chloroform	4.15	83	822	0.70 ng	#	23
23) 1,1,1-Trichloroethane	4.31	97	653	0.55 ng		100
25) 1,1-Dichloropropene	4.41	75	698	0.67 ng		100
26) Carbon Tetrachloride	4.43	117	1530	1.45 ng	#	50
28) 1,2-Dichloroethane	4.72	62	1565	3.68 ng	#	49
29) TAME* (2-methoxy-2-methylb	4.60	73	428	0.43 ng	#	51
30) Benzene*	4.56	78	3935	1.36 ng	#	78
31) Trichloroethene	4.98	95	204	0.24 ng		82
33) Bromodichloromethane	5.31	83	204	0.30 ng	#	27
35) cis-1,3-Dichloropropene	5.62	75	253	0.33 ng	#	43
36) Methyl Isobutyl Ketone	5.70	43	2155	11.92 ng	#	100
38) Toluene*	5.89	92	5284	2.42 ng	#	76
41) 2-Hexanone	6.31	43	1544	13.17 ng	#	89
45) Tetrachloroethene	6.31	164	691	0.79 ng		83
47) Chlorobenzene	6.96	112	1958	0.90 ng		72
48) Ethylbenzene*	7.03	106	1158	0.90 ng	#	77
50) m,p-Xylene*	7.11	106	4187	2.57 ng		90
51) o-Xylene*	7.44	106	1059	0.68 ng	#	54
52) Styrene	7.44	104	723	0.33 ng	#	44
56) Isopropylbenzene	7.72	105	1928	0.59 ng		81

Quantitation Report (Not Reviewed)

Data Path : E:\data\111213\
Data File : 1ng.D
Acq On : 12 Nov 2013 10:24 am
Operator : CS
Sample : ICAL 1ng
Misc :
ALS Vial : 8 Sample Multiplier: 1

Quant Time: Nov 12 14:11:43 2013
Quant Method : C:\MSDCHEM\1\METHODS\METHODS\070113VAPOR.M
Quant Title : 8260 SV for volatile organic compounds GC/MS #3
QLast Update : Wed Nov 06 16:58:25 2013
Response via : Initial Calibration
InstName : GC MS #3

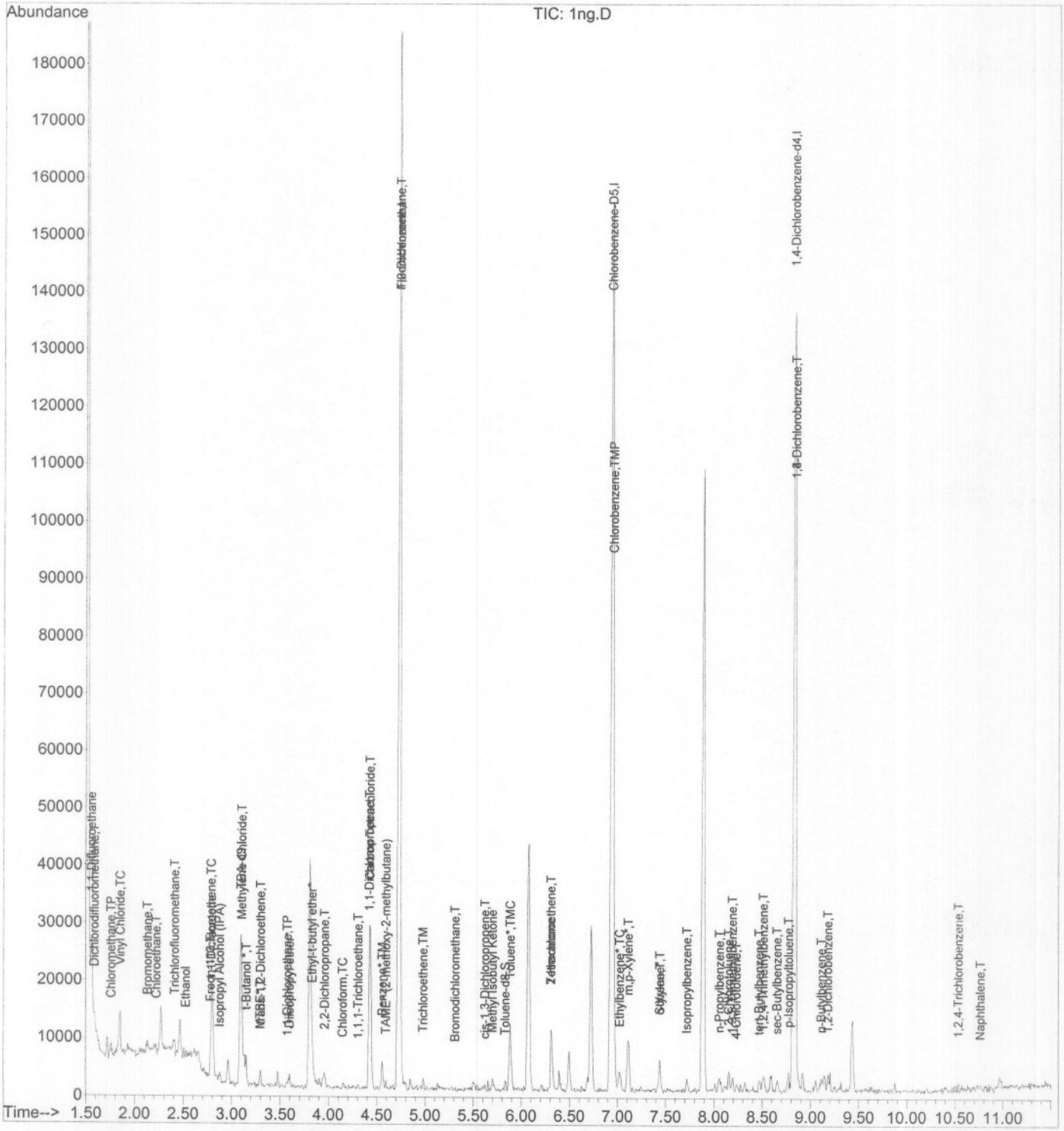
Internal Standards	R.T.	QIon	Response	Conc Units		Dev(Min)
59) n-Propylbenzene	8.06	91	3782	0.98 ng	#	44
61) 1,3,5-Trimethylbenzene	8.18	105	2198	0.78 ng	#	23
62) 2-Chlorotoluene	8.16	91	1602	0.64 ng	#	41
63) 4-Chlorotoluene	8.24	91	1659	0.75 ng	#	40
64) tert-Butylbenzene	8.47	119	1759	0.58 ng		76
65) 1,2,4-Trimethylbenzene	8.51	105	3264	1.22 ng	#	19
66) sec-Butylbenzene	8.66	105	2664	0.63 ng		54
67) p-Isopropyltoluene	8.77	119	2072	0.60 ng	#	100
68) 1,3-Dichlorobenzene	8.85	146	1225	0.75 ng		88
69) 1,4-Dichlorobenzene	8.85	146	1225	0.80 ng		93
70) n-Butylbenzene	9.11	91	2025	0.72 ng	#	67
71) 1,2-Dichlorobenzene	9.17	146	788	0.60 ng	#	30
73) 1,2,4-Trichlorobenzene	10.54	180	185	0.26 ng	#	1
75) Naphthalene	10.77	128	194	0.19 ng		100
78) Ethanol	2.52	45	386	139.52 ng	#	35
79) Isopropyl Alcohol (IPA)	2.88	45	1363	100.48 ng	#	86
80) t-Butanol *	3.15	59	3056	135.60 ng		47

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

Quantitation Report (Not Reviewed)

Data Path : E:\data\111213\
Data File : 1ng.D
Acq On : 12 Nov 2013 10:24 am
Operator : CS
Sample : ICAL 1ng
Misc :
ALS Vial : 8 Sample Multiplier: 1

Quant Time: Nov 12 14:11:43 2013
Quant Method : C:\MSDCHEM\1\METHODS\METHODS\070113VAPOR.M
Quant Title : 8260 SV for volatile organic compounds GC/MS #3
QLast Update : Wed Nov 06 16:58:25 2013
Response via : Initial Calibration
InstName : GC MS #3



Quantitation Report (Not Reviewed)

Data Path : E:\data\111213\
Data File : 2ng.D
Acq On : 12 Nov 2013 10:42 am
Operator : CS
Sample : ICAL 2ng
Misc :
ALS Vial : 9 Sample Multiplier: 1

Quant Time: Nov 12 14:12:52 2013
Quant Method : C:\MSDCHEM\1\METHODS\METHODS\070113VAPOR.M
Quant Title : 8260 SV for volatile organic compounds GC/MS #3
QLast Update : Wed Nov 06 16:58:25 2013
Response via : Initial Calibration
InstName : GC MS #3

Internal Standards	R.T.	QIon	Response	Conc Units		Dev(Min)
1) Fluorobenzene	4.73	96	159671	50.00 ng		0.00
43) Chlorobenzene-D5	6.94	82	54398	50.00 ng		0.00
54) 1,4-Dichlorobenzene-d4	8.83	152	48027	50.00 ng		0.00
77) TBA-d9	3.10	65	17466	1000.00 ng		0.00

System Monitoring Compounds

24) Dibromofluoromethane	0.00	113	0	0.00 ng		
Spiked Amount 50.000	Range 75 - 125		Recovery =	0.00%#		
27) 1,2-Dichloroethane-d4	0.00	65	0	0.00 ng		
Spiked Amount 50.000	Range 62 - 139		Recovery =	0.00%#		
37) Toluene-d8	0.00	98	0	0.00 ng		
Spiked Amount 50.000	Range 75 - 125		Recovery =	0.00%#		
55) 4-Bromofluorobenzene	0.00	174	0	0.00 ng		
Spiked Amount 50.000	Range 75 - 125		Recovery =	0.00%#		

Target Compounds

						Qvalue
2) 1,1-Difluoroethane	1.56	65	1028	2.04 ng		86
3) Dichlorodifluoromethane	1.59	85	2617	2.46 ng		88
4) Chloromethane	1.76	50	3089	2.96 ng		77
5) Vinyl Chloride	1.85	62	2374	2.33 ng	#	42
6) Bromomethane	2.13	94	1528	2.40 ng		92
7) Chloroethane	2.21	64	1098	1.97 ng	#	44
8) Trichlorofluoromethane	2.41	101	3537	2.66 ng		81
9) 1,1-Dichloroethene	2.79	96	1373	1.68 ng	#	64
10) Freon-113	2.78	101	1845	2.04 ng		91
11) acetone	2.80	43	23744	423.29 ng	#	100
12) Methylene Chloride	3.11	84	1139	1.75 ng	#	71
13) MTBE*	3.29	73	857	1.03 ng		100
14) trans-1,2-Dichloroethene	3.30	96	1491	1.73 ng		90
15) Diisopropyl ether*	3.60	45	3052	2.04 ng		85
16) 1,1-Dichloroethane	3.57	63	2882	2.39 ng	#	100
17) Ethyl-t-butyl ether*	3.83	59	4949	4.00 ng		89
18) 2,2-Dichloropropane	3.96	77	1885	1.79 ng		100
20) cis-1,2-Dichloroethene	3.95	96	1169	1.43 ng	#	97
21) Chloroform	4.15	83	2586	2.13 ng		75
23) 1,1,1-Trichloroethane	4.31	97	2403	1.95 ng	#	100
25) 1,1-Dichloropropene	4.41	75	2811	2.60 ng	#	100
26) Carbon Tetrachloride	4.43	117	3872	3.54 ng	#	70
28) 1,2-Dichloroethane	4.55	62	943	2.14 ng	#	49
29) TAME* (2-methoxy-2-methylb	4.60	73	1325	1.29 ng	#	50
30) Benzene*	4.56	78	6794	2.26 ng		95
31) Trichloroethene	4.98	95	1762	2.00 ng		91
32) 1,2-Dichloropropane	5.14	63	1124	1.94 ng	#	47
33) Bromodichloromethane	5.31	83	1104	1.58 ng		83
35) cis-1,3-Dichloropropene	5.63	75	851	1.07 ng	#	43
36) Methyl Isobutyl Ketone	5.70	43	4988	26.59 ng	#	100
38) Toluene*	5.88	92	7742	3.41 ng		92
39) trans-1,3-Dichloropropene	6.01	75	841	1.48 ng	#	40
41) 2-Hexanone	6.31	43	3037	24.96 ng	#	71
42) 1,2-Dibromoethane	6.59	107	191	0.58 ng	#	3
44) 1,3-Dichloropropane	6.29	76	972	1.61 ng		100
45) Tetrachloroethene	6.32	164	1834	2.07 ng	#	69
46) Dibromochloromethane	6.48	129	268	0.56 ng	#	10

Quantitation Report (Not Reviewed)

Data Path : E:\data\111213\
Data File : 2ng.D
Acq On : 12 Nov 2013 10:42 am
Operator : CS
Sample : ICAL 2ng
Misc :
ALS Vial : 9 Sample Multiplier: 1

Quant Time: Nov 12 14:12:52 2013
Quant Method : C:\MSDCHEM\1\METHODS\METHODS\070113VAPOR.M
Quant Title : 8260 SV for volatile organic compounds GC/MS #3
QLast Update : Wed Nov 06 16:58:25 2013
Response via : Initial Calibration
InstName : GC MS #3

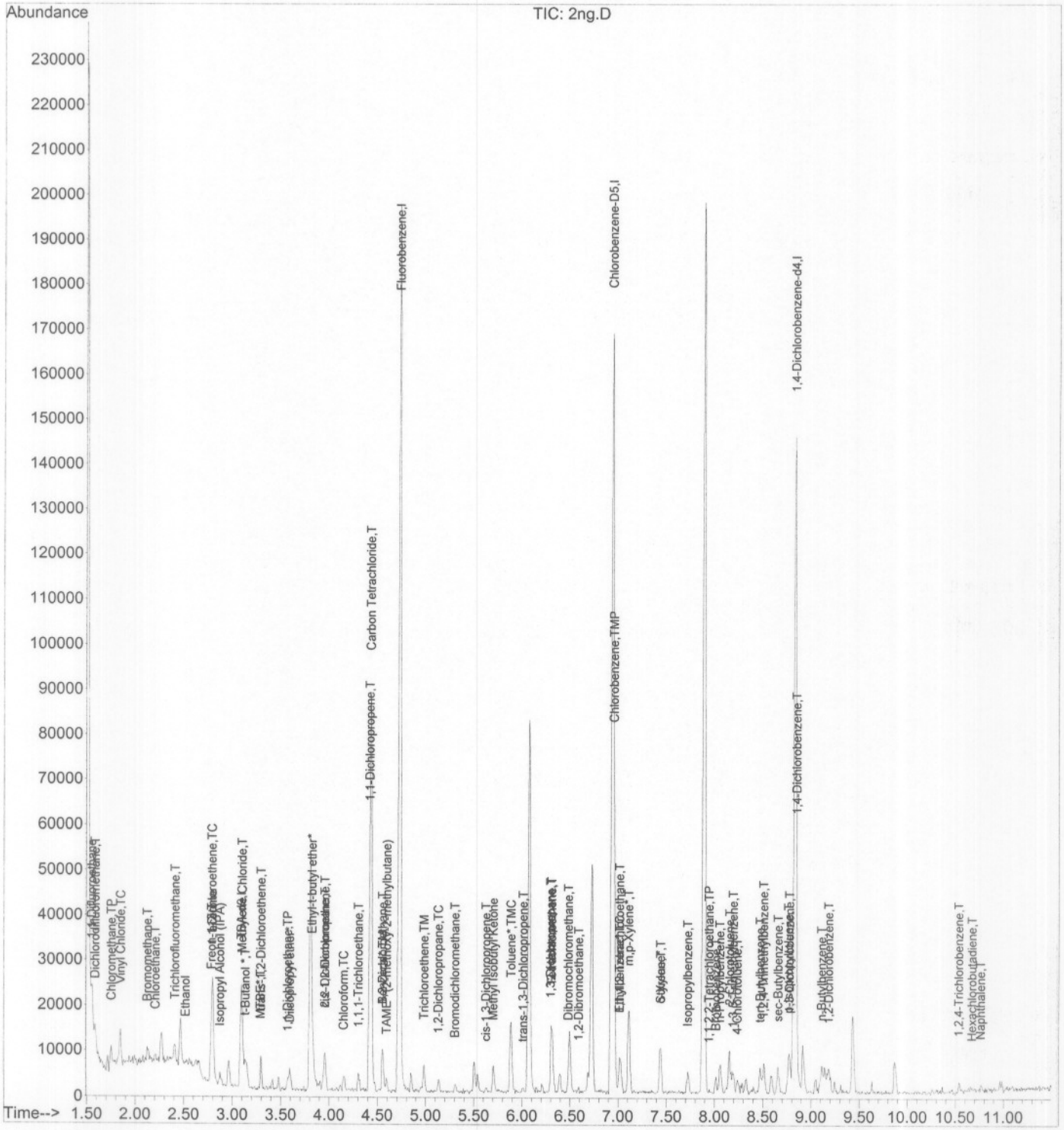
Internal Standards	R.T.	QIon	Response	Conc Units		Dev(Min)
47) Chlorobenzene	6.96	112	4175	1.90 ng		69
48) Ethylbenzene*	7.02	106	2260	1.73 ng		95
49) 1,1,1,2-Tetrachloroethane	7.01	131	893	1.26 ng		87
50) m,p-Xylene*	7.12	106	6866	4.14 ng		92
51) o-Xylene*	7.44	106	2472	1.56 ng	#	75
52) Styrene	7.44	104	2496	1.11 ng		85
56) Isopropylbenzene	7.72	105	4807	1.42 ng		90
57) 1,1,2,2-Tetrachloroethane	7.94	83	240	0.76 ng	#	25
59) n-Propylbenzene	8.05	91	7737	1.93 ng		90
60) Bromobenzene	8.01	156	1044	1.38 ng	#	73
61) 1,3,5-Trimethylbenzene	8.19	105	4938	1.68 ng		86
62) 2-Chlorotoluene	8.15	91	4162	1.60 ng		94
63) 4-Chlorotoluene	8.24	91	3647	1.58 ng		93
64) tert-Butylbenzene	8.47	119	3994	1.25 ng		85
65) 1,2,4-Trimethylbenzene	8.52	105	5528	1.98 ng		83
66) sec-Butylbenzene	8.65	105	5921	1.35 ng		95
67) p-Isopropyltoluene	8.76	119	4907	1.36 ng		100
68) 1,3-Dichlorobenzene	8.78	146	3033	1.77 ng		75
69) 1,4-Dichlorobenzene	8.86	146	3160	1.97 ng		92
70) n-Butylbenzene	9.11	91	4835	1.64 ng		86
71) 1,2-Dichlorobenzene	9.18	146	1959	1.43 ng		75
73) 1,2,4-Trichlorobenzene	10.54	180	765	1.01 ng		76
74) Hexachlorobutadiene	10.67	225	263	0.55 ng		87
75) Naphthalene	10.76	128	1216	1.15 ng		100
78) Ethanol	2.52	45	527	230.67 ng	#	35
79) Isopropyl Alcohol (IPA)	2.88	45	2582	230.49 ng	#	86
80) t-Butanol *	3.14	59	4862	261.24 ng		42

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

Quantitation Report (Not Reviewed)

Data Path : E:\data\111213\
Data File : 2ng.D
Acq On : 12 Nov 2013 10:42 am
Operator : CS
Sample : ICAL 2ng
Misc :
ALS Vial : 9 Sample Multiplier: 1

Quant Time: Nov 12 14:12:52 2013
Quant Method : C:\MSDCHEM\1\METHODS\METHODS\070113VAPOR.M
Quant Title : 8260 SV for volatile organic compounds GC/MS #3
QLast Update : Wed Nov 06 16:58:25 2013
Response via : Initial Calibration
InstName : GC MS #3



Quantitation Report (Not Reviewed)

Data Path : E:\data\111213\
Data File : 5ng.D
Acq On : 12 Nov 2013 11:00 am
Operator : CS
Sample : ICAL 5ng
Misc :
ALS Vial : 10 Sample Multiplier: 1

Quant Time: Nov 12 14:13:43 2013
Quant Method : C:\MSDCHEM\1\METHODS\METHODS\070113VAPOR.M
Quant Title : 8260 SV for volatile organic compounds GC/MS #3
QLast Update : Wed Nov 06 16:58:25 2013
Response via : Initial Calibration
InstName : GC MS #3

Internal Standards	R.T.	QIon	Response	Conc Units		Dev(Min)
1) Fluorobenzene	4.73	96	152149	50.00 ng		0.00
43) Chlorobenzene-D5	6.94	82	51666	50.00 ng		0.00
54) 1,4-Dichlorobenzene-d4	8.83	152	45399	50.00 ng		0.00
77) TBA-d9	3.10	65	19509	1000.00 ng		0.00
System Monitoring Compounds						
24) Dibromofluoromethane	4.26	113	2798	4.81 ng		0.00
Spiked Amount 50.000	Range 75 - 125		Recovery	= 9.62%#		
27) 1,2-Dichloroethane-d4	4.50	65	2687	7.12 ng		0.00
Spiked Amount 50.000	Range 62 - 139		Recovery	= 14.24%#		
37) Toluene-d8	5.84	98	11285	4.08 ng		0.00
Spiked Amount 50.000	Range 75 - 125		Recovery	= 8.16%#		
55) 4-Bromofluorobenzene	7.87	174	3036	4.58 ng		0.00
Spiked Amount 50.000	Range 75 - 125		Recovery	= 9.16%#		
Target Compounds						Qvalue
2) 1,1-Difluoroethane	1.55	65	3007	6.27 ng	#	61
3) Dichlorodifluoromethane	1.59	85	5792	5.71 ng		78
4) Chloromethane	1.75	50	6743	6.78 ng		74
5) Vinyl Chloride	1.85	62	5135	5.29 ng		91
6) Bromomethane	2.13	94	3759	6.21 ng		98
7) Chloroethane	2.21	64	3517	6.61 ng		89
8) Trichlorofluoromethane	2.41	101	7422	5.87 ng		92
9) 1,1-Dichloroethene	2.79	96	3912	5.03 ng	#	85
10) Freon-113	2.77	101	4307	4.99 ng		83
11) acetone	2.80	43	21556	403.29 ng	#	100
12) Methylene Chloride	3.11	84	3416	5.50 ng	#	70
13) MTBE*	3.29	73	3469	4.36 ng	#	100
14) trans-1,2-Dichloroethene	3.30	96	3943	4.80 ng		88
15) Diisopropyl ether*	3.60	45	7526	5.27 ng		70
16) 1,1-Dichloroethane	3.58	63	7172	6.24 ng		100
17) Ethyl-t-butyl ether*	3.84	59	7788	6.60 ng		97
18) 2,2-Dichloropropane	3.97	77	5595	5.58 ng		100
19) 2-Butanone	3.94	72	739	35.47 ng	#	54
20) cis-1,2-Dichloroethene	3.95	96	3577	4.59 ng	#	79
21) Chloroform	4.15	83	6131	5.30 ng		95
22) Bromochloromethane	4.12	128	1148	4.02 ng	#	79
23) 1,1,1-Trichloroethane	4.31	97	6711	5.72 ng	#	100
25) 1,1-Dichloropropene	4.42	75	5341	5.18 ng		100
26) Carbon Tetrachloride	4.42	117	7121	6.83 ng	#	60
28) 1,2-Dichloroethane	4.56	62	3085	7.34 ng	#	49
29) TAME* (2-methoxy-2-methylb	4.59	73	3497	3.57 ng	#	66
30) Benzene*	4.56	78	15217	5.30 ng		93
31) Trichloroethene	4.98	95	3763	4.49 ng		87
32) 1,2-Dichloropropane	5.14	63	3225	5.84 ng	#	47
33) Bromodichloromethane	5.31	83	3440	5.16 ng		92
34) Dibromomethane	5.22	93	710	3.27 ng		81
35) cis-1,3-Dichloropropene	5.62	75	2945	3.90 ng		94
36) Methyl Isobutyl Ketone	5.70	43	11159	62.42 ng	#	100
38) Toluene*	5.88	92	13161	6.09 ng		96
39) trans-1,3-Dichloropropene	6.01	75	2304	4.25 ng		66
40) 1,1,2-Trichloroethane	6.15	83	1297	4.64 ng	#	36
41) 2-Hexanone	6.31	43	7064	60.94 ng	#	86

Quantitation Report (Not Reviewed)

Data Path : E:\data\111213\
Data File : 5ng.D
Acq On : 12 Nov 2013 11:00 am
Operator : CS
Sample : ICAL 5ng
Misc :
ALS Vial : 10 Sample Multiplier: 1

Quant Time: Nov 12 14:13:43 2013
Quant Method : C:\MSDCHEM\1\METHODS\METHODS\070113VAPOR.M
Quant Title : 8260 SV for volatile organic compounds GC/MS #3
QLast Update : Wed Nov 06 16:58:25 2013
Response via : Initial Calibration
InstName : GC MS #3

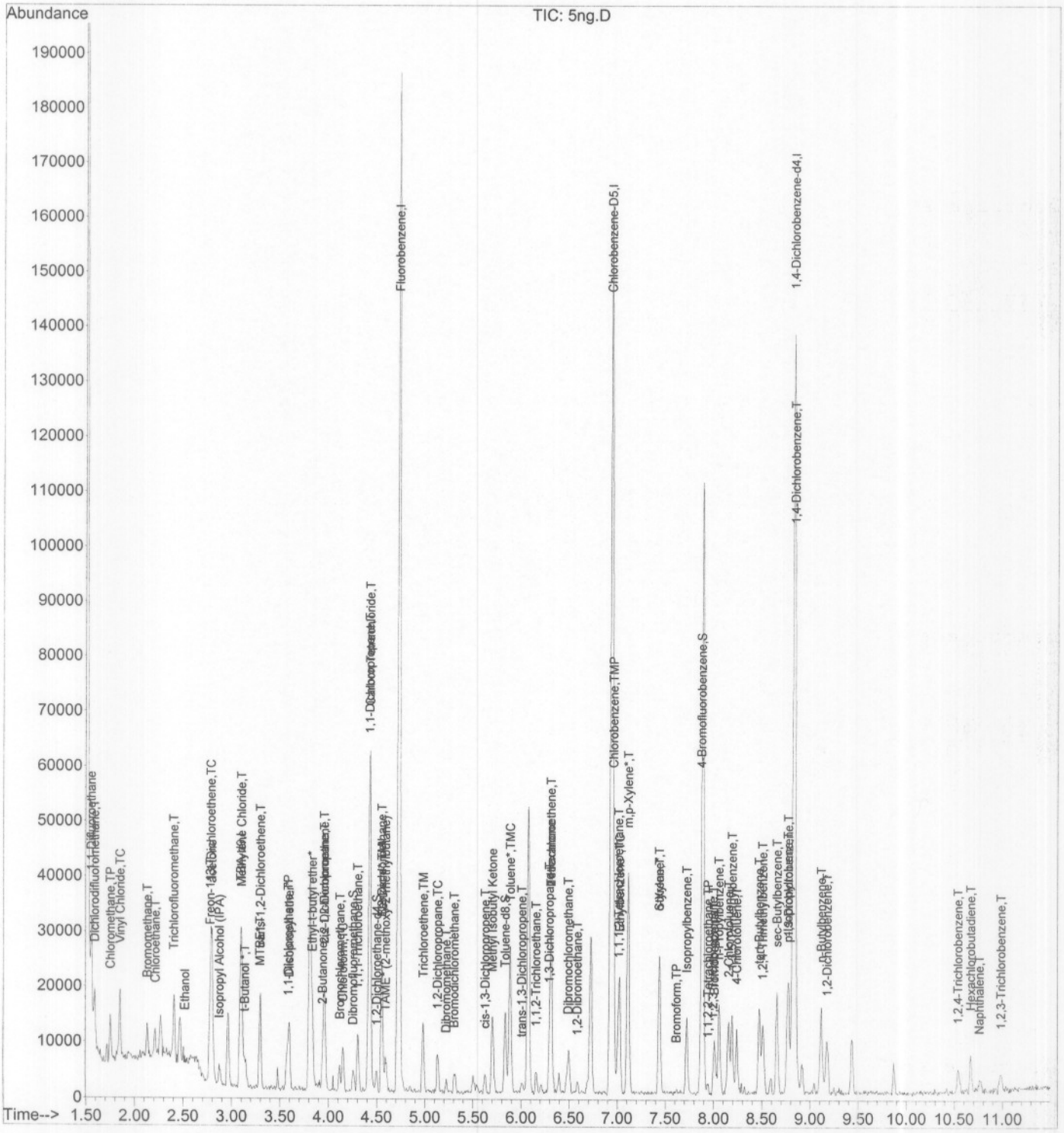
Internal Standards	R.T.	QIon	Response	Conc Units		Dev(Min)
42) 1,2-Dibromoethane	6.59	107	1169	3.75 ng		81
44) 1,3-Dichloropropane	6.29	76	2692	4.69 ng		100
45) Tetrachloroethene	6.31	164	4123	4.89 ng		90
46) Dibromochloromethane	6.48	129	1848	4.10 ng		81
47) Chlorobenzene	6.97	112	10063	4.81 ng		90
48) Ethylbenzene*	7.03	106	4677	3.78 ng	#	77
49) 1,1,1,2-Tetrachloroethane	7.01	131	3206	4.75 ng	#	78
50) m,p-Xylene*	7.11	106	13797	8.75 ng		98
51) o-Xylene*	7.44	106	5140	3.41 ng		94
52) Styrene	7.44	104	6619	3.11 ng		55
53) Bromoform	7.62	173	708	3.33 ng	#	36
56) Isopropylbenzene	7.72	105	11994	3.74 ng		78
57) 1,1,2,2-Tetrachloroethane	7.94	83	1693	5.65 ng	#	25
58) 1,2,3-Trichloropropane	7.99	75	1482	5.51 ng		54
59) n-Propylbenzene	8.06	91	16956	4.47 ng		91
60) Bromobenzene	8.01	156	3228	4.52 ng	#	49
61) 1,3,5-Trimethylbenzene	8.19	105	11476	4.13 ng		83
62) 2-Chlorotoluene	8.16	91	11284	4.59 ng		96
63) 4-Chlorotoluene	8.24	91	10052	4.60 ng		96
64) tert-Butylbenzene	8.47	119	12333	4.09 ng		89
65) 1,2,4-Trimethylbenzene	8.52	105	11289	4.29 ng		72
66) sec-Butylbenzene	8.66	105	15149	3.66 ng		96
67) p-Isopropyltoluene	8.77	119	11065	3.25 ng	#	100
68) 1,3-Dichlorobenzene	8.78	146	8165	5.04 ng		89
69) 1,4-Dichlorobenzene	8.85	146	8189	5.39 ng		90
70) n-Butylbenzene	9.12	91	11599	4.16 ng		88
71) 1,2-Dichlorobenzene	9.18	146	6592	5.09 ng		91
73) 1,2,4-Trichlorobenzene	10.53	180	2925	4.09 ng	#	66
74) Hexachlorobutadiene	10.67	225	2584	5.69 ng	#	70
75) Naphthalene	10.77	128	3276	3.28 ng		100
76) 1,2,3-Trichlorobenzene	10.99	180	1725	3.35 ng	#	74
78) Ethanol	2.52	45	662	259.42 ng	#	35
79) Isopropyl Alcohol (IPA)	2.88	45	3337	266.69 ng	#	86
80) t-Butanol *	3.14	59	4030	193.86 ng		52

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

Quantitation Report (Not Reviewed)

Data Path : E:\data\111213\
Data File : 5ng.D
Acq On : 12 Nov 2013 11:00 am
Operator : CS
Sample : ICAL 5ng
Misc :
ALS Vial : 10 Sample Multiplier: 1

Quant Time: Nov 12 14:13:43 2013
Quant Method : C:\MSDCHEM\1\METHODS\METHODS\070113VAPOR.M
Quant Title : 8260 SV for volatile organic compounds GC/MS #3
QLast Update : Wed Nov 06 16:58:25 2013
Response via : Initial Calibration
InstName : GC MS #3



Quantitation Report (Not Reviewed)

Data Path : E:\data\111213\
Data File : 10ng r.D
Acq On : 12 Nov 2013 11:36 am
Operator : CS
Sample : ICAL10ng
Misc :
ALS Vial : 12 Sample Multiplier: 1

Quant Time: Nov 12 14:16:58 2013
Quant Method : C:\MSDCHEM\1\METHODS\METHODS\070113VAPOR.M
Quant Title : 8260 SV for volatile organic compounds GC/MS #3
QLast Update : Wed Nov 06 16:58:25 2013
Response via : Initial Calibration
InstName : GC MS #3

Internal Standards	R.T.	QIon	Response	Conc Units	Dev(Min)
1) Fluorobenzene	4.73	96	140482	50.00 ng	0.00
43) Chlorobenzene-D5	6.94	82	49130	50.00 ng	0.00
54) 1,4-Dichlorobenzene-d4	8.83	152	51029	50.00 ng	0.00
77) TBA-d9	3.09	65	17542	1000.00 ng	0.00
System Monitoring Compounds					
24) Dibromofluoromethane	4.25	113	5783	10.76 ng	0.00
Spiked Amount 50.000	Range 75 - 125		Recovery = 21.52%#		
27) 1,2-Dichloroethane-d4	4.49	65	5397	15.49 ng	0.00
Spiked Amount 50.000	Range 62 - 139		Recovery = 30.98%#		
37) Toluene-d8	5.84	98	24500	9.60 ng	0.00
Spiked Amount 50.000	Range 75 - 125		Recovery = 19.20%#		
55) 4-Bromofluorobenzene	7.86	174	6635	8.90 ng	0.00
Spiked Amount 50.000	Range 75 - 125		Recovery = 17.80%#		

Target Compounds						Qvalue
2) 1,1-Difluoroethane	1.56	65	5116	11.56 ng	#	43
3) Dichlorodifluoromethane	1.59	85	11428	12.20 ng		86
4) Chloromethane	1.75	50	13816	15.05 ng		93
5) Vinyl Chloride	1.85	62	10358	11.55 ng		97
6) Bromomethane	2.13	94	6586	11.78 ng		98
7) Chloroethane	2.21	64	6926	14.10 ng		94
8) Trichlorofluoromethane	2.41	101	15991	13.69 ng		83
9) 1,1-Dichloroethene	2.79	96	6915	9.64 ng	#	59
10) Freon-113	2.78	101	9555	12.00 ng		87
11) acetone	2.80	43	24988	506.32 ng	#	100
12) Methylene Chloride	3.11	84	6916	12.05 ng	#	84
13) MTBE*	3.29	73	7772	10.57 ng	#	100
14) trans-1,2-Dichloroethene	3.30	96	7718	10.18 ng		77
15) Diisopropyl ether*	3.60	45	17076	12.95 ng		87
16) 1,1-Dichloroethane	3.58	63	15044	14.17 ng		100
17) Ethyl-t-butyl ether*	3.84	59	15335	14.08 ng		100
18) 2,2-Dichloropropane	3.96	77	12219	13.19 ng		100
19) 2-Butanone	3.95	72	2066	107.41 ng	#	40
20) cis-1,2-Dichloroethene	3.96	96	7326	10.18 ng	#	81
21) Chloroform	4.15	83	13084	12.25 ng		93
22) Bromochloromethane	4.12	128	3153	11.94 ng	#	64
23) 1,1,1-Trichloroethane	4.31	97	13655	12.62 ng	#	100
25) 1,1-Dichloropropene	4.42	75	9868	10.37 ng	#	100
26) Carbon Tetrachloride	4.43	117	12870	13.36 ng		98
28) 1,2-Dichloroethane	4.55	62	6995	18.03 ng		83
29) TAME* (2-methoxy-2-methylb	4.59	73	7850	8.68 ng		74
30) Benzene*	4.55	78	31444	11.86 ng		99
31) Trichloroethene	4.98	95	8796	11.37 ng		87
32) 1,2-Dichloropropane	5.14	63	6042	11.86 ng		90
33) Bromodichloromethane	5.31	83	7174	11.67 ng		92
34) Dibromomethane	5.23	93	2394	11.94 ng	#	77
35) cis-1,3-Dichloropropene	5.62	75	6388	9.15 ng		81
36) Methyl Isobutyl Ketone	5.71	43	22311	135.17 ng	#	100
38) Toluene*	5.89	92	22737	11.39 ng		87
39) trans-1,3-Dichloropropene	6.01	75	5040	10.07 ng		88
40) 1,1,2-Trichloroethane	6.15	83	2376	9.22 ng	#	68
41) 2-Hexanone	6.32	43	13878	129.66 ng	#	96

Quantitation Report (Not Reviewed)

Data Path : E:\data\111213\
Data File : 10ng r.D
Acq On : 12 Nov 2013 11:36 am
Operator : CS
Sample : ICAL10ng
Misc :
ALS Vial : 12 Sample Multiplier: 1

Quant Time: Nov 12 14:16:58 2013
Quant Method : C:\MSDCHEM\1\METHODS\METHODS\070113VAPOR.M
Quant Title : 8260 SV for volatile organic compounds GC/MS #3
QLast Update : Wed Nov 06 16:58:25 2013
Response via : Initial Calibration
InstName : GC MS #3

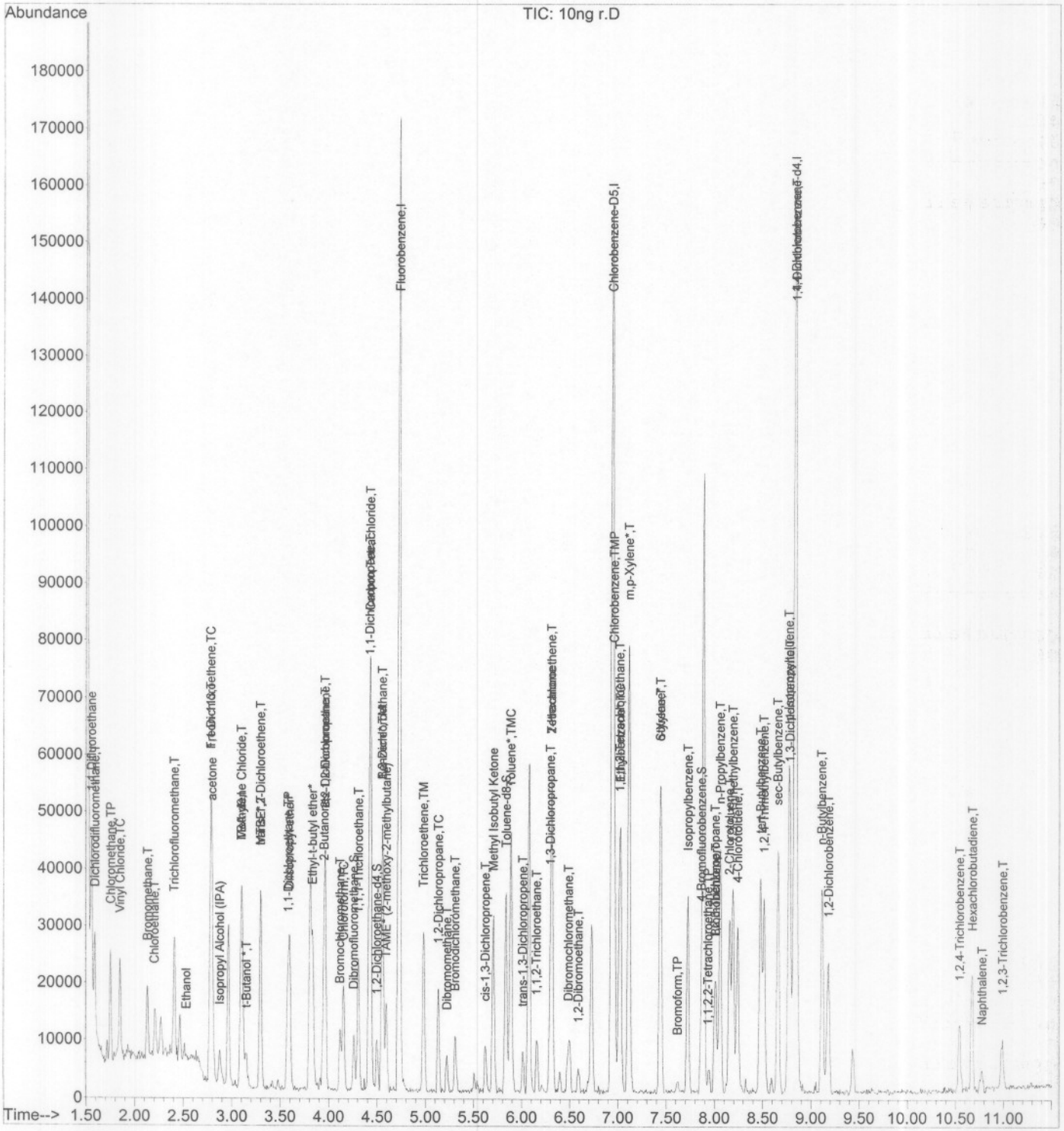
Internal Standards	R.T.	QIon	Response	Conc	Units		Dev(Min)
42) 1,2-Dibromoethane	6.59	107	3086	10.73	ng		88
44) 1,3-Dichloropropane	6.29	76	5291	9.69	ng	#	100
45) Tetrachloroethene	6.31	164	8925	11.13	ng	#	75
46) Dibromochloromethane	6.48	129	4144	9.66	ng		83
47) Chlorobenzene	6.96	112	20718	10.42	ng		94
48) Ethylbenzene*	7.02	106	9490	8.06	ng		88
49) 1,1,1,2-Tetrachloroethane	7.01	131	6704	10.45	ng	#	97
50) m,p-Xylene*	7.11	106	27721	18.49	ng		98
51) o-Xylene*	7.43	106	10592	7.39	ng		93
52) Styrene	7.44	104	14572	7.20	ng		79
53) Bromoform	7.62	173	2002	9.91	ng	#	36
56) Isopropylbenzene	7.73	105	26008	7.21	ng		84
57) 1,1,2,2-Tetrachloroethane	7.94	83	3956	11.75	ng		76
58) 1,2,3-Trichloropropane	8.00	75	3346	11.06	ng		54
59) n-Propylbenzene	8.06	91	38943	9.14	ng		90
60) Bromobenzene	8.01	156	7465	9.31	ng	#	70
61) 1,3,5-Trimethylbenzene	8.19	105	25131	8.05	ng		98
62) 2-Chlorotoluene	8.16	91	25259	9.14	ng		95
63) 4-Chlorotoluene	8.24	91	23336	9.50	ng		99
64) tert-Butylbenzene	8.48	119	25169	7.43	ng		91
65) 1,2,4-Trimethylbenzene	8.52	105	24587	8.30	ng		85
66) sec-Butylbenzene	8.66	105	35129	7.55	ng		95
67) p-Isopropyltoluene	8.77	119	27922	7.30	ng		100
68) 1,3-Dichlorobenzene	8.79	146	19425	10.68	ng		87
69) 1,4-Dichlorobenzene	8.85	146	18552	10.86	ng		88
70) n-Butylbenzene	9.11	91	24887	7.94	ng		93
71) 1,2-Dichlorobenzene	9.18	146	14888	10.22	ng		96
73) 1,2,4-Trichlorobenzene	10.54	180	6614	8.23	ng	#	80
74) Hexachlorobutadiene	10.68	225	6021	11.81	ng	#	75
75) Naphthalene	10.77	128	6222	5.55	ng		100
76) 1,2,3-Trichlorobenzene	10.99	180	4913	8.49	ng	#	65
78) Ethanol	2.53	45	1552	676.37	ng	#	35
79) Isopropyl Alcohol (IPA)	2.88	45	6446	572.92	ng	#	86
80) t-Butanol *	3.15	59	5364	286.96	ng		52

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

Quantitation Report (Not Reviewed)

Data Path : E:\data\111213\
Data File : 10ng r.D
Acq On : 12 Nov 2013 11:36 am
Operator : CS
Sample : ICAL10ng
Misc :
ALS Vial : 12 Sample Multiplier: 1

Quant Time: Nov 12 14:16:58 2013
Quant Method : C:\MSDCHEM\1\METHODS\METHODS\070113VAPOR.M
Quant Title : 8260 SV for volatile organic compounds GC/MS #3
QLast Update : Wed Nov 06 16:58:25 2013
Response via : Initial Calibration
InstName : GC MS #3



Quantitation Report (Not Reviewed)

Data Path : E:\data\111213\
Data File : 20ng.D
Acq On : 12 Nov 2013 11:54 am
Operator : CS
Sample : ICAL20ng
Misc :
ALS Vial : 13 Sample Multiplier: 1

Quant Time: Nov 12 14:17:45 2013
Quant Method : C:\MSDCHEM\1\METHODS\METHODS\070113VAPOR.M
Quant Title : 8260 SV for volatile organic compounds GC/MS #3
QLast Update : Wed Nov 06 16:58:25 2013
Response via : Initial Calibration
InstName : GC MS #3

Internal Standards	R.T.	QIon	Response	Conc Units		Dev(Min)
1) Fluorobenzene	4.73	96	149372	50.00 ng		0.00
43) Chlorobenzene-D5	6.94	82	48894	50.00 ng		0.00
54) 1,4-Dichlorobenzene-d4	8.83	152	42018	50.00 ng		0.00
77) TBA-d9	3.10	65	18916	1000.00 ng		0.00
System Monitoring Compounds						
24) Dibromofluoromethane	4.26	113	11725	20.52 ng		0.00
Spiked Amount 50.000	Range 75 - 125		Recovery = 41.04%#			
27) 1,2-Dichloroethane-d4	4.49	65	11306	30.52 ng		0.00
Spiked Amount 50.000	Range 62 - 139		Recovery = 61.04%#			
37) Toluene-d8	5.83	98	50290	18.53 ng		0.00
Spiked Amount 50.000	Range 75 - 125		Recovery = 37.06%#			
55) 4-Bromofluorobenzene	7.87	174	12484	20.33 ng		0.00
Spiked Amount 50.000	Range 75 - 125		Recovery = 40.66%#			
Target Compounds						Qvalue
2) 1,1-Difluoroethane	1.55	65	10892	23.15 ng	#	73
3) Dichlorodifluoromethane	1.59	85	23372	23.47 ng		81
4) Chloromethane	1.76	50	28883	29.59 ng		80
5) Vinyl Chloride	1.85	62	21544	22.59 ng		100
6) Bromomethane	2.13	94	12704	21.37 ng		97
7) Chloroethane	2.21	64	11994	22.97 ng		98
8) Trichlorofluoromethane	2.41	101	31889	25.68 ng		90
9) 1,1-Dichloroethene	2.79	96	16028	21.01 ng	#	70
10) Freon-113	2.78	101	19819	23.41 ng		93
11) acetone	2.80	43	43569	830.28 ng	#	100
12) Methylene Chloride	3.11	84	12831	21.03 ng	#	63
13) MTBE*	3.29	73	15255	19.51 ng		100
14) trans-1,2-Dichloroethene	3.30	96	16235	20.15 ng	#	72
15) Diisopropyl ether*	3.60	45	34850	24.86 ng		87
16) 1,1-Dichloroethane	3.58	63	29043	25.74 ng	#	100
17) Ethyl-t-butyl ether*	3.83	59	32098	27.72 ng		87
18) 2,2-Dichloropropane	3.96	77	25038	25.42 ng		100
19) 2-Butanone	3.94	72	5014	245.16 ng	#	27
20) cis-1,2-Dichloroethene	3.96	96	16052	20.98 ng	#	58
21) Chloroform	4.16	83	25479	22.44 ng		86
22) Bromochloromethane	4.12	128	5836	20.79 ng	#	61
23) 1,1,1-Trichloroethane	4.31	97	28098	24.41 ng	#	100
25) 1,1-Dichloropropene	4.41	75	20402	20.16 ng	#	100
26) Carbon Tetrachloride	4.42	117	27159	26.52 ng		95
28) 1,2-Dichloroethane	4.55	62	13581	32.92 ng		93
29) TAME* (2-methoxy-2-methylb	4.60	73	18201	18.93 ng		78
30) Benzene*	4.55	78	61683	21.89 ng		98
31) Trichloroethene	4.98	95	17411	21.18 ng		93
32) 1,2-Dichloropropane	5.13	63	13426	24.78 ng		89
33) Bromodichloromethane	5.31	83	14164	21.66 ng		90
34) Dibromomethane	5.23	93	4773	22.39 ng		81
35) cis-1,3-Dichloropropene	5.63	75	12796	17.24 ng		95
36) Methyl Isobutyl Ketone	5.70	43	53046	302.25 ng	#	100
38) Toluene*	5.89	92	45016	21.21 ng		93
39) trans-1,3-Dichloropropene	6.01	75	10129	19.03 ng		93
40) 1,1,2-Trichloroethane	6.16	83	5986	21.84 ng	#	57
41) 2-Hexanone	6.31	43	33590	295.15 ng	#	93

Quantitation Report (Not Reviewed)

Data Path : E:\data\111213\
Data File : 20ng.D
Acq On : 12 Nov 2013 11:54 am
Operator : CS
Sample : ICAL20ng
Misc :
ALS Vial : 13 Sample Multiplier: 1

Quant Time: Nov 12 14:17:45 2013
Quant Method : C:\MSDCHEM\1\METHODS\METHODS\070113VAPOR.M
Quant Title : 8260 SV for volatile organic compounds GC/MS #3
QLast Update : Wed Nov 06 16:58:25 2013
Response via : Initial Calibration
InstName : GC MS #3

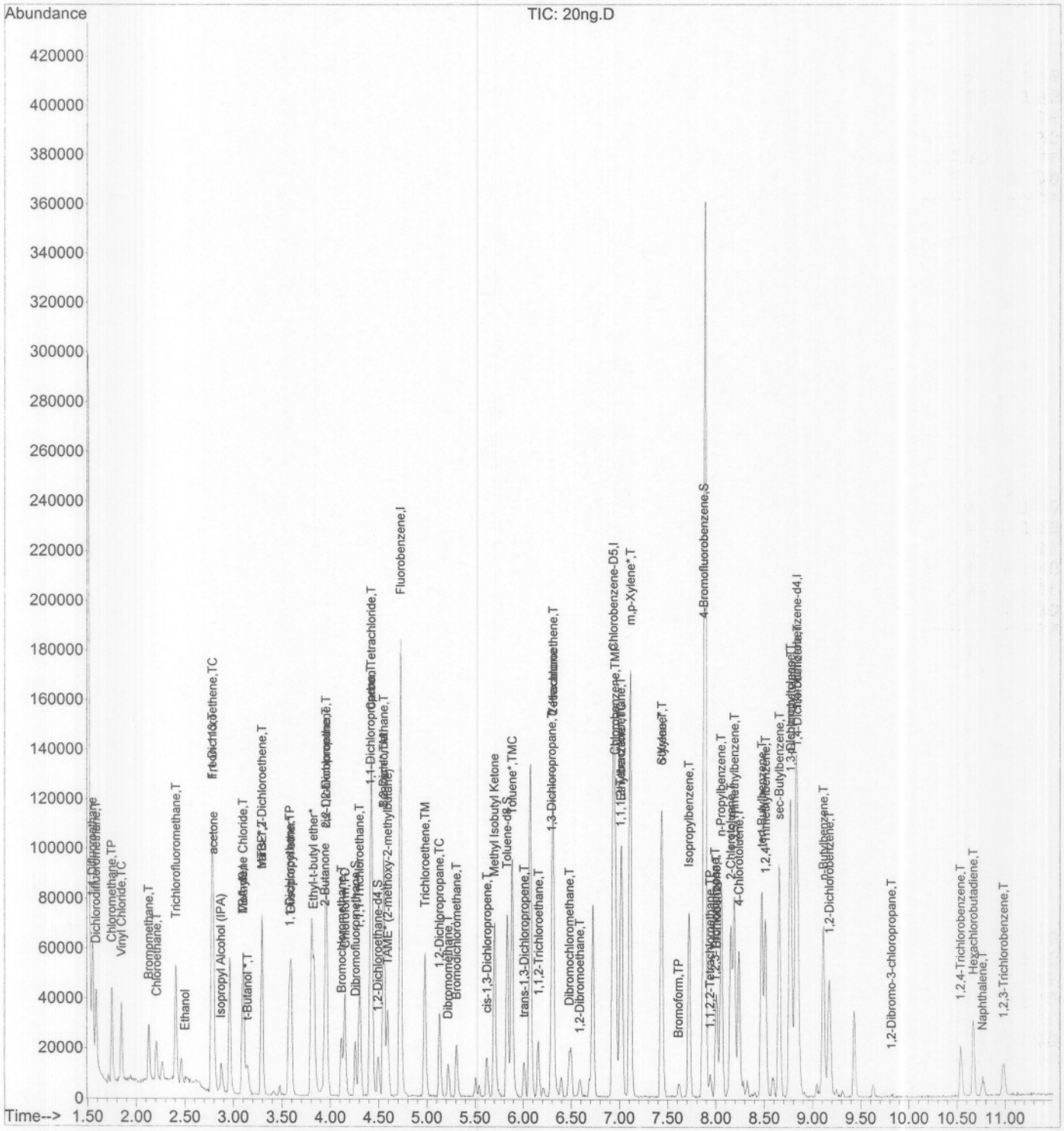
Internal Standards	R.T.	QIon	Response	Conc Units		Dev(Min)
42) 1,2-Dibromoethane	6.59	107	6091	19.92 ng		99
44) 1,3-Dichloropropane	6.29	76	12274	22.58 ng		100
45) Tetrachloroethene	6.31	164	18274	22.91 ng		86
46) Dibromochloromethane	6.48	129	9066	21.24 ng		97
47) Chlorobenzene	6.96	112	43412	21.94 ng		97
48) Ethylbenzene*	7.03	106	20319	17.33 ng		91
49) 1,1,1,2-Tetrachloroethane	7.01	131	13695	21.44 ng	#	87
50) m,p-Xylene*	7.12	106	58073	38.92 ng		96
51) o-Xylene*	7.44	106	22493	15.77 ng		97
52) Styrene	7.44	104	30818	15.30 ng		63
53) Bromoform	7.62	173	3966	19.73 ng		96
56) Isopropylbenzene	7.72	105	55606	18.72 ng		85
57) 1,1,2,2-Tetrachloroethane	7.94	83	8121	29.28 ng		89
58) 1,2,3-Trichloropropane	7.99	75	6465	25.96 ng		93
59) n-Propylbenzene	8.06	91	79741	22.72 ng		86
60) Bromobenzene	8.01	156	13787	20.88 ng	#	39
61) 1,3,5-Trimethylbenzene	8.19	105	53302	20.73 ng		94
62) 2-Chlorotoluene	8.16	91	50746	22.30 ng		91
63) 4-Chlorotoluene	8.24	91	43910	21.70 ng		99
64) tert-Butylbenzene	8.47	119	53312	19.12 ng		91
65) 1,2,4-Trimethylbenzene	8.51	105	48464	19.88 ng		88
66) sec-Butylbenzene	8.66	105	72037	18.80 ng		98
67) p-Isopropyltoluene	8.76	119	56448	17.91 ng		100
68) 1,3-Dichlorobenzene	8.78	146	33381	22.28 ng		87
69) 1,4-Dichlorobenzene	8.85	146	30418	21.62 ng		97
70) n-Butylbenzene	9.12	91	45766	17.73 ng		95
71) 1,2-Dichlorobenzene	9.18	146	27051	22.56 ng		97
72) 1,2-Dibromo-3-chloropropan	9.82	75	202	5.85 ng	#	1
73) 1,2,4-Trichlorobenzene	10.54	180	9624	14.55 ng		87
74) Hexachlorobutadiene	10.67	225	8554	20.37 ng	#	88
75) Naphthalene	10.77	128	10798	11.70 ng	#	100
76) 1,2,3-Trichlorobenzene	10.99	180	7317	15.36 ng	#	81
78) Ethanol	2.51	45	2678	1082.32 ng	#	48
79) Isopropyl Alcohol (IPA)	2.88	45	13192	1087.34 ng	#	86
80) t-Butanol *	3.15	59	10576	524.70 ng		74

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

Quantitation Report (Not Reviewed)

Data Path : E:\data\111213\
Data File : 20ng.D
Acq On : 12 Nov 2013 11:54 am
Operator : CS
Sample : ICAL20ng
Misc :
ALS Vial : 13 Sample Multiplier: 1

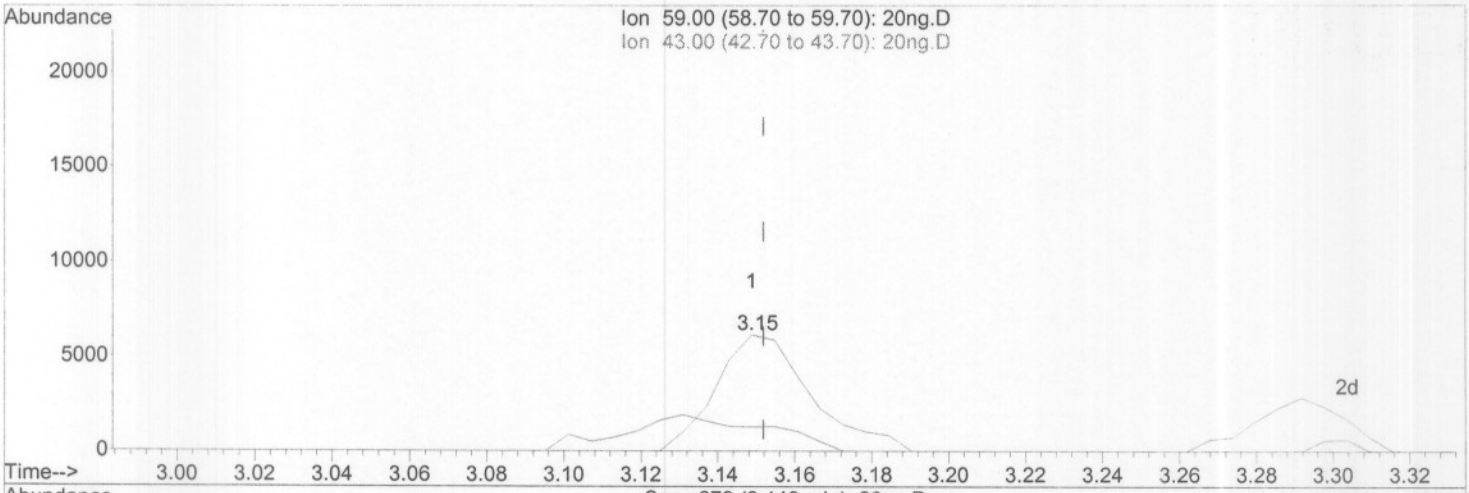
Quant Time: Nov 12 14:17:45 2013
Quant Method : C:\MSDCHEM\1\METHODS\METHODS\070113VAPOR.M
Quant Title : 8260 SV for volatile organic compounds GC/MS #3
QLast Update : Wed Nov 06 16:58:25 2013
Response via : Initial Calibration
InstName : GC MS #3

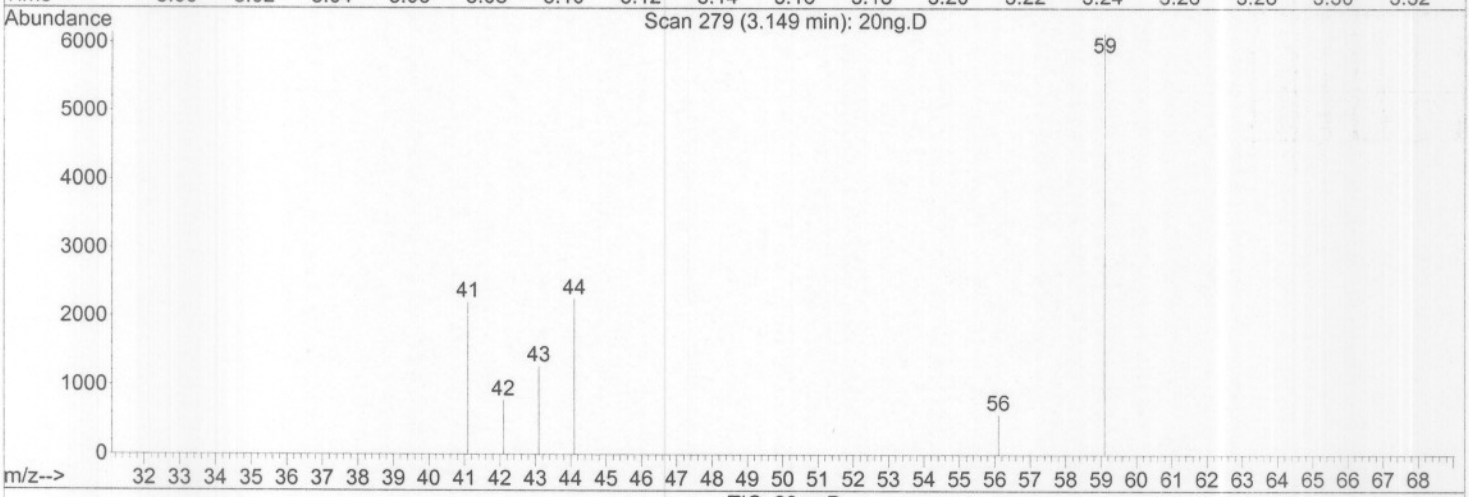


Quantitation Report (Qedit)

Data Path : E:\data\111213\
Data File : 20ng.D
Acq On : 12 Nov 2013 11:54 am
Operator : CS
Sample : ICAL20ng
Misc :
ALS Vial : 13 Sample Multiplier: 1

Quant Time: Nov 12 14:17:45 2013
Quant Method : C:\MSDCHEM\1\METHODS\METHODS\070113VAPOR.M
Quant Title : 8260 SV for volatile organic compounds GC/MS #3
QLast Update : Wed Nov 06 16:58:25 2013
Response via : Initial Calibration
InstName : GC MS #3





TIC: 20ng.D

(80) t-Butanol * (T)

3.149min (-0.003) 524.70ng

response 10576

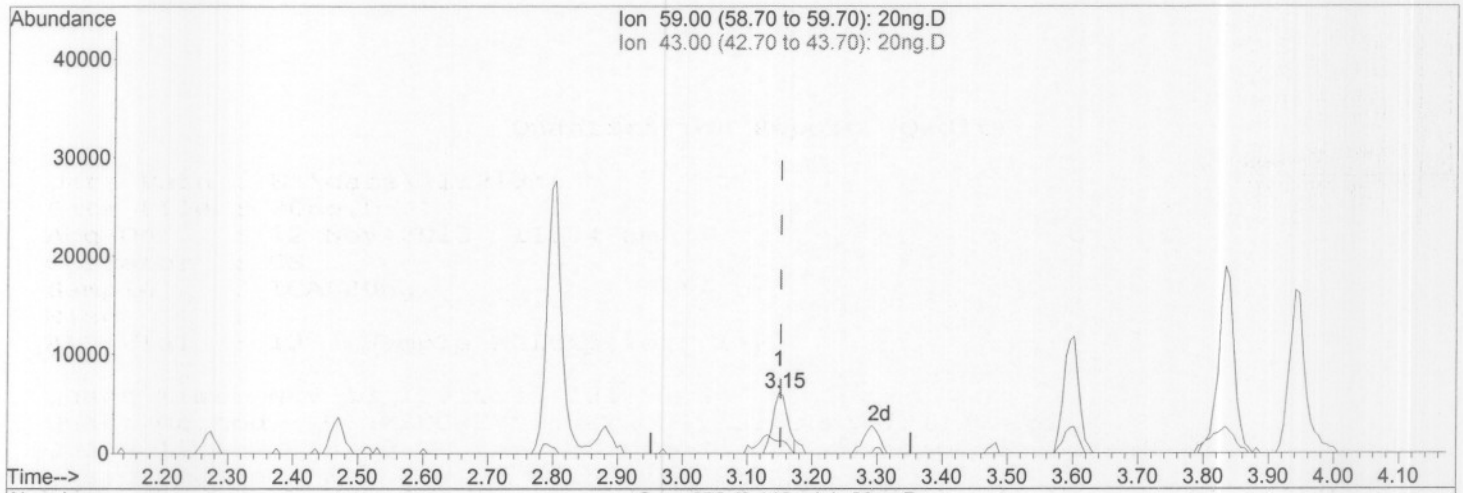
Ion	Exp%	Act%
59.00	100	100
43.00	10.90	20.68
0.00	0.00	0.00
0.00	0.00	0.00

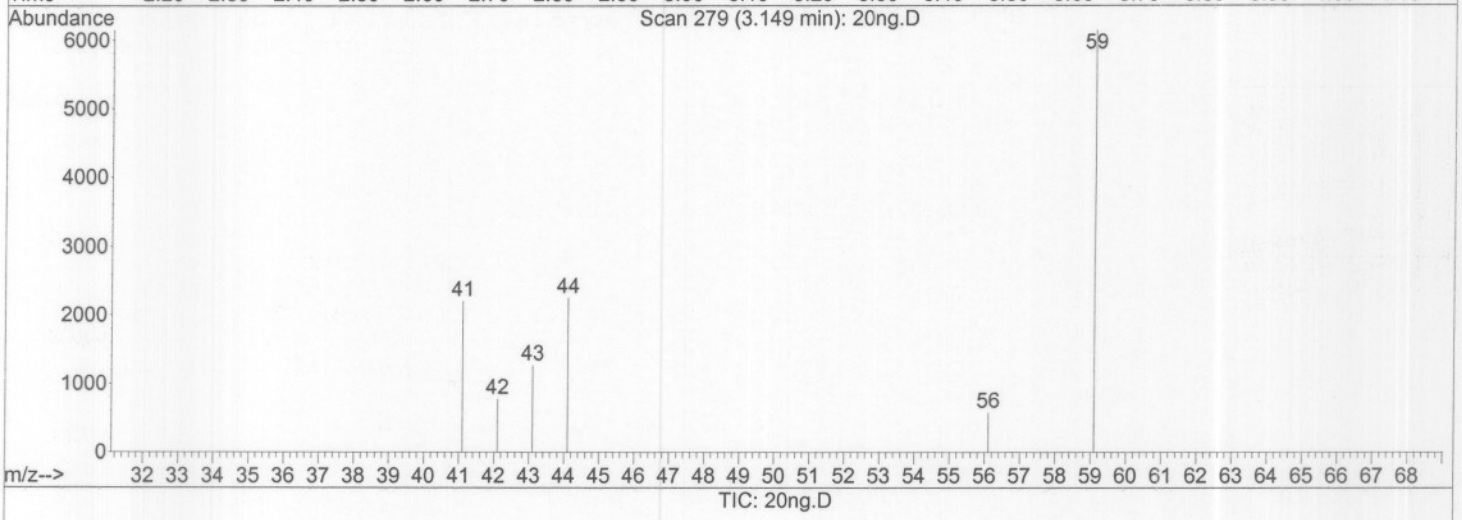
Before G
11-12-13
integration

Quantitation Report (Qedit)

Data Path : E:\data\111213\
Data File : 20ng.D
Acq On : 12 Nov 2013 11:54 am
Operator : CS
Sample : ICAL20ng
Misc :
ALS Vial : 13 Sample Multiplier: 1

Quant Time: Nov 13 13:16:45 2013
Quant Method : C:\MSDCHEM\1\METHODS\METHODS\070113VAPOR.M
Quant Title : 8260 SV for volatile organic compounds GC/MS #3
QLast Update : Wed Nov 06 16:58:25 2013
Response via : Initial Calibration
InstName : GC MS #3





(80) t-Butanol * (T)

3.149min (-0.003) 492.06ng m

response 9918

Ion	Exp%	Act%
59.00	100	100
43.00	10.90	20.68
0.00	0.00	0.00
0.00	0.00	0.00

After CJ 11-12-13 integration

Quantitation Report (Not Reviewed)

Data Path : E:\data\111213\
Data File : 50ng.D
Acq On : 12 Nov 2013 12:12 pm
Operator : CS
Sample : ICAL50ng
Misc :
ALS Vial : 14 Sample Multiplier: 1

Quant Time: Nov 12 14:18:36 2013
Quant Method : C:\MSDCHEM\1\METHODS\METHODS\070113VAPOR.M
Quant Title : 8260 SV for volatile organic compounds GC/MS #3
QLast Update : Wed Nov 06 16:58:25 2013
Response via : Initial Calibration
InstName : GC MS #3

Internal Standards	R.T.	QIon	Response	Conc Units		Dev(Min)
1) Fluorobenzene	4.73	96	166028	50.00 ng		0.00
43) Chlorobenzene-D5	6.94	82	54246	50.00 ng		0.00
54) 1,4-Dichlorobenzene-d4	8.83	152	57212	50.00 ng		0.00
77) TBA-d9	3.10	65	18265	1000.00 ng		0.00
System Monitoring Compounds						
24) Dibromofluoromethane	4.26	113	29403	46.29 ng		0.00
Spiked Amount 50.000	Range 75 - 125		Recovery = 92.58%			
27) 1,2-Dichloroethane-d4	4.50	65	26679	64.80 ng		0.00
Spiked Amount 50.000	Range 62 - 139		Recovery = 129.60%			
37) Toluene-d8	5.84	98	150956	50.03 ng		0.00
Spiked Amount 50.000	Range 75 - 125		Recovery = 100.06%			
55) 4-Bromofluorobenzene	7.87	174	40447	48.38 ng		0.00
Spiked Amount 50.000	Range 75 - 125		Recovery = 96.76%			
Target Compounds						Qvalue
2) 1,1-Difluoroethane	1.55	65	25309	48.39 ng	#	58
3) Dichlorodifluoromethane	1.59	85	61079	55.19 ng		92
4) Chloromethane	1.75	50	72445	66.78 ng		83
5) Vinyl Chloride	1.85	62	57499	54.25 ng		93
6) Bromomethane	2.13	94	31216	47.24 ng		96
7) Chloroethane	2.21	64	33188	57.17 ng		96
8) Trichlorofluoromethane	2.41	101	80547	58.35 ng		92
9) 1,1-Dichloroethene	2.79	96	43064	50.79 ng	#	73
10) Freon-113	2.78	101	50913	54.10 ng		84
11) acetone	2.80	43	60630	1039.49 ng	#	100
12) Methylene Chloride	3.11	84	34460	50.82 ng	#	70
13) MTBE*	3.29	73	46533	53.54 ng		100
14) trans-1,2-Dichloroethene	3.30	96	44606	49.80 ng	#	78
15) Diisopropyl ether*	3.60	45	108993	69.94 ng		90
16) 1,1-Dichloroethane	3.58	63	80625	64.28 ng	#	100
17) Ethyl-t-butyl ether*	3.83	59	80054	62.20 ng		93
18) 2,2-Dichloropropane	3.97	77	68111	62.23 ng		100
19) 2-Butanone	3.94	72	13709	603.07 ng	#	4
20) cis-1,2-Dichloroethene	3.96	96	45181	53.13 ng	#	59
21) Chloroform	4.15	83	68941	54.62 ng		80
22) Bromochloromethane	4.11	128	15623	50.07 ng	#	68
23) 1,1,1-Trichloroethane	4.30	97	75776	59.24 ng	#	100
25) 1,1-Dichloropropene	4.41	75	59349	52.75 ng	#	100
26) Carbon Tetrachloride	4.43	117	70613	62.03 ng		88
28) 1,2-Dichloroethane	4.55	62	36854	80.38 ng		95
29) TAME* (2-methoxy-2-methylb	4.60	73	54235	50.75 ng		87
30) Benzene*	4.55	78	170491	54.43 ng		93
31) Trichloroethene	4.98	95	47724	52.22 ng	#	62
32) 1,2-Dichloropropane	5.14	63	37139	61.67 ng		92
33) Bromodichloromethane	5.31	83	39917	54.92 ng		97
34) Dibromomethane	5.22	93	13268	56.00 ng		94
35) cis-1,3-Dichloropropene	5.63	75	39204	47.53 ng		92
36) Methyl Isobutyl Ketone	5.70	43	155552	797.39 ng	#	100
38) Toluene*	5.89	92	119955	50.85 ng		98
39) trans-1,3-Dichloropropene	6.01	75	31806	53.76 ng		94
40) 1,1,2-Trichloroethane	6.16	83	16516	54.20 ng	#	55
41) 2-Hexanone	6.31	43	103340	816.94 ng	#	95

Quantitation Report (Not Reviewed)

Data Path : E:\data\111213\
Data File : 50ng.D
Acq On : 12 Nov 2013 12:12 pm
Operator : CS
Sample : ICAL50ng
Misc :
ALS Vial : 14 Sample Multiplier: 1

Quant Time: Nov 12 14:18:36 2013
Quant Method : C:\MSDCHEM\1\METHODS\METHODS\070113VAPOR.M
Quant Title : 8260 SV for volatile organic compounds GC/MS #3
QLast Update : Wed Nov 06 16:58:25 2013
Response via : Initial Calibration
InstName : GC MS #3

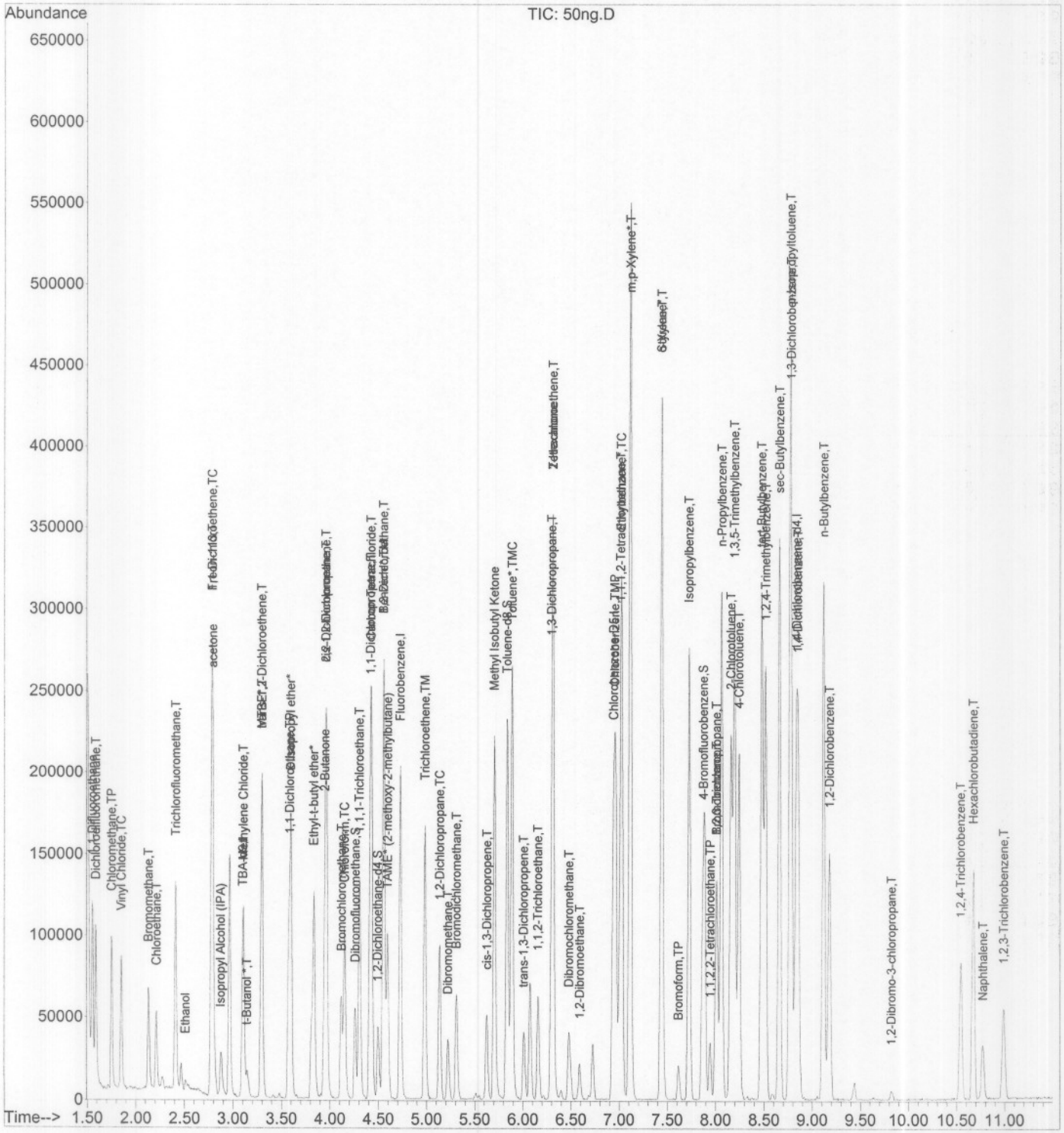
Internal Standards	R.T.	QIon	Response	Conc	Units		Dev(Min)
42) 1,2-Dibromoethane	6.59	107	17761	52.26	ng		85
44) 1,3-Dichloropropane	6.29	76	34923	57.90	ng		100
45) Tetrachloroethene	6.31	164	50991	57.61	ng		94
46) Dibromochloromethane	6.48	129	25401	53.63	ng		97
47) Chlorobenzene	6.96	112	121247	55.23	ng		94
48) Ethylbenzene*	7.03	106	64001	49.20	ng		86
49) 1,1,1,2-Tetrachloroethane	7.01	131	39174	55.28	ng	#	93
50) m,p-Xylene*	7.12	106	180270	108.91	ng		90
51) o-Xylene*	7.44	106	75591	47.76	ng		88
52) Styrene	7.44	104	113524	50.81	ng		76
53) Bromoform	7.62	173	11700	52.46	ng		95
56) Isopropylbenzene	7.72	105	196945	48.71	ng		82
57) 1,1,2,2-Tetrachloroethane	7.94	83	20769	55.00	ng		91
58) 1,2,3-Trichloropropane	8.00	75	19920	58.74	ng		72
59) n-Propylbenzene	8.06	91	277866	58.14	ng		89
60) Bromobenzene	8.01	156	44500	49.49	ng	#	55
61) 1,3,5-Trimethylbenzene	8.19	105	191508	54.69	ng		96
62) 2-Chlorotoluene	8.16	91	167067	53.92	ng		93
63) 4-Chlorotoluene	8.24	91	154553	56.09	ng		98
64) tert-Butylbenzene	8.48	119	194949	51.35	ng		96
65) 1,2,4-Trimethylbenzene	8.52	105	179966	54.22	ng		86
66) sec-Butylbenzene	8.66	105	267483	51.26	ng		100
67) p-Isopropyltoluene	8.77	119	224475	52.32	ng		100
68) 1,3-Dichlorobenzene	8.78	146	111311	54.56	ng		89
69) 1,4-Dichlorobenzene	8.85	146	103212	53.88	ng		93
70) n-Butylbenzene	9.12	91	196211	55.81	ng		90
71) 1,2-Dichlorobenzene	9.18	146	85896	52.61	ng		92
72) 1,2-Dibromo-3-chloropropan	9.83	75	2788	59.30	ng	#	54
73) 1,2,4-Trichlorobenzene	10.55	180	38313	42.53	ng	#	91
74) Hexachlorobutadiene	10.67	225	32260	56.42	ng	#	98
75) Naphthalene	10.77	128	41926	33.36	ng		100
76) 1,2,3-Trichlorobenzene	10.99	180	28646	44.16	ng	#	83
78) Ethanol	2.52	45	5986	2505.48	ng	#	35
79) Isopropyl Alcohol (IPA)	2.88	45	31634	2700.34	ng	#	86
80) t-Butanol *	3.15	59	13113	673.75	ng		62

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

Quantitation Report (Not Reviewed)

Data Path : E:\data\111213\
Data File : 50ng.D
Acq On : 12 Nov 2013 12:12 pm
Operator : CS
Sample : ICAL50ng
Misc :
ALS Vial : 14 Sample Multiplier: 1

Quant Time: Nov 12 14:18:36 2013
Quant Method : C:\MSDCHEM\1\METHODS\METHODS\070113VAPOR.M
Quant Title : 8260 SV for volatile organic compounds GC/MS #3
QLast Update : Wed Nov 06 16:58:25 2013
Response via : Initial Calibration
InstName : GC MS #3



Quantitation Report (Not Reviewed)

Data Path : E:\data\111213\
Data File : 100ng.D
Acq On : 12 Nov 2013 12:29 pm
Operator : CS
Sample : ICAL100ng
Misc :
ALS Vial : 15 Sample Multiplier: 1

Quant Time: Nov 12 14:19:26 2013
Quant Method : C:\MSDCHEM\1\METHODS\METHODS\070113VAPOR.M
Quant Title : 8260 SV for volatile organic compounds GC/MS #3
QLast Update : Wed Nov 06 16:58:25 2013
Response via : Initial Calibration
InstName : GC MS #3

Internal Standards	R.T.	QIon	Response	Conc Units	Dev(Min)
1) Fluorobenzene	4.73	96	173365	50.00 ng	0.00
43) Chlorobenzene-D5	6.94	82	54319	50.00 ng	0.00
54) 1,4-Dichlorobenzene-d4	8.83	152	56429	50.00 ng	0.00
77) TBA-d9	3.10	65	20399	1000.00 ng	0.00
System Monitoring Compounds					
24) Dibromofluoromethane	4.26	113	63940	96.40 ng	0.00
Spiked Amount 50.000	Range 75 - 125		Recovery = 192.80%#		
27) 1,2-Dichloroethane-d4	4.49	65	58720	136.59 ng	0.00
Spiked Amount 50.000	Range 62 - 139		Recovery = 273.18%#		
37) Toluene-d8	5.83	98	335751	106.58 ng	0.00
Spiked Amount 50.000	Range 75 - 125		Recovery = 213.16%#		
55) 4-Bromofluorobenzene	7.87	174	85202	103.33 ng	0.00
Spiked Amount 50.000	Range 75 - 125		Recovery = 206.66%#		

Target Compounds						Qvalue
2) 1,1-Difluoroethane	1.55	65	54483	99.77 ng	#	55
3) Dichlorodifluoromethane	1.59	85	127319	110.17 ng		86
4) Chloromethane	1.75	50	151537	133.77 ng		78
5) Vinyl Chloride	1.85	62	120952	109.29 ng		98
6) Bromomethane	2.13	94	64911	94.08 ng		95
7) Chloroethane	2.21	64	68026	112.23 ng		99
8) Trichlorofluoromethane	2.41	101	171801	119.19 ng		89
9) 1,1-Dichloroethene	2.79	96	93140	105.20 ng	#	71
10) Freon-113	2.78	101	107325	109.22 ng		82
11) acetone	2.80	43	106956	1756.13 ng	#	100
12) Methylene Chloride	3.11	84	72719	102.71 ng	#	80
13) MTBE*	3.29	73	105069	115.77 ng		100
14) trans-1,2-Dichloroethene	3.30	96	99124	105.98 ng	#	74
15) Diisopropyl ether*	3.60	45	246625	151.56 ng		91
16) 1,1-Dichloroethane	3.58	63	167074	127.56 ng		100
17) Ethyl-t-butyl ether*	3.83	59	178408	132.75 ng		94
18) 2,2-Dichloropropane	3.96	77	146736	128.38 ng		100
19) 2-Butanone	3.94	72	29590	1246.59 ng	#	1
20) cis-1,2-Dichloroethene	3.96	96	96695	108.89 ng	#	66
21) Chloroform	4.15	83	146494	111.15 ng		92
22) Bromochloromethane	4.12	128	34036	104.47 ng	#	81
23) 1,1,1-Trichloroethane	4.30	97	161361	120.81 ng	#	100
25) 1,1-Dichloropropene	4.49	75	682	0.58 ng		100
26) Carbon Tetrachloride	4.42	117	150465	126.57 ng		90
28) 1,2-Dichloroethane	4.55	62	76552	159.90 ng		96
29) TAME* (2-methoxy-2-methylb	4.60	73	124711	111.75 ng		82
30) Benzene*	4.55	78	367471	112.36 ng		96
31) Trichloroethene	4.98	95	103036	107.97 ng	#	66
32) 1,2-Dichloropropane	5.14	63	79644	126.66 ng		91
33) Bromodichloromethane	5.31	83	86898	114.50 ng		97
34) Dibromomethane	5.22	93	28087	113.52 ng		94
35) cis-1,3-Dichloropropene	5.63	75	88620	102.88 ng		98
36) Methyl Isobutyl Ketone	5.70	43	365536	1794.50 ng	#	100
38) Toluene*	5.89	92	253994	103.11 ng		91
39) trans-1,3-Dichloropropene	6.01	75	69830	113.03 ng		97
40) 1,1,2-Trichloroethane	6.16	83	35631	111.99 ng	#	55
41) 2-Hexanone	6.31	43	234618	1776.24 ng	#	98

Quantitation Report (Not Reviewed)

Data Path : E:\data\111213\
Data File : 100ng.D
Acq On : 12 Nov 2013 12:29 pm
Operator : CS
Sample : ICAL100ng
Misc :
ALS Vial : 15 Sample Multiplier: 1

Quant Time: Nov 12 14:19:26 2013
Quant Method : C:\MSDCHEM\1\METHODS\METHODS\070113VAPOR.M
Quant Title : 8260 SV for volatile organic compounds GC/MS #3
QLast Update : Wed Nov 06 16:58:25 2013
Response via : Initial Calibration
InstName : GC MS #3

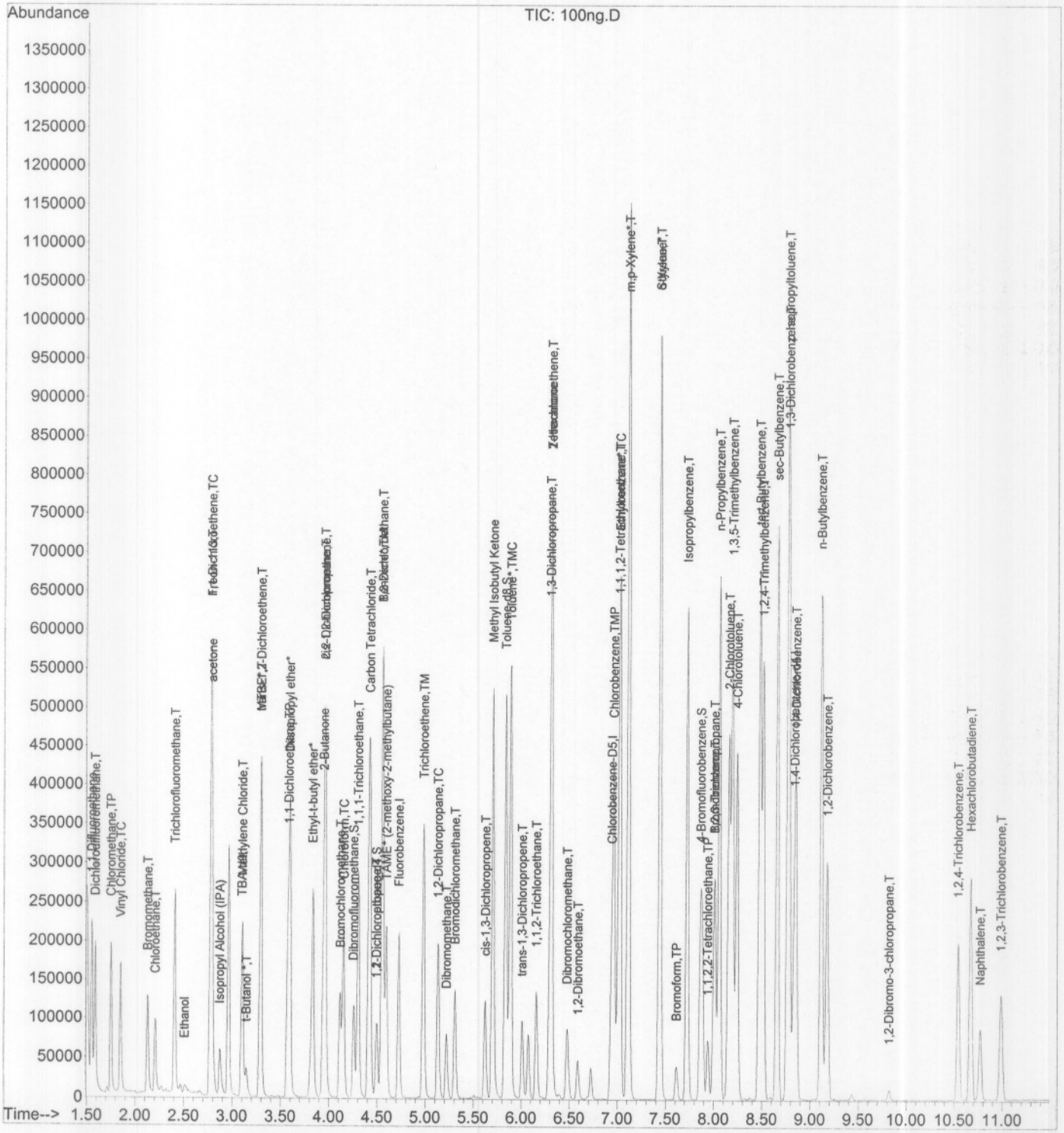
Internal Standards	R.T.	QIon	Response	Conc Units		Dev(Min)
42) 1,2-Dibromoethane	6.59	107	36722	103.47 ng		97
44) 1,3-Dichloropropane	6.29	76	73667	121.98 ng	#	100
45) Tetrachloroethene	6.31	164	105997	119.60 ng		91
46) Dibromochloromethane	6.48	129	52578	110.86 ng		97
47) Chlorobenzene	6.96	112	254026	115.56 ng		95
48) Ethylbenzene*	7.03	106	140260	107.69 ng		89
49) 1,1,1,2-Tetrachloroethane	7.01	131	80269	113.12 ng	#	94
50) m,p-Xylene*	7.11	106	378190	228.17 ng		87
51) o-Xylene*	7.44	106	170144	107.36 ng		85
52) Styrene	7.44	104	254383	113.70 ng		72
53) Bromoform	7.62	173	25551	114.42 ng		100
56) Isopropylbenzene	7.72	105	445668	111.75 ng		85
57) 1,1,2,2-Tetrachloroethane	7.94	83	42295	113.56 ng		98
58) 1,2,3-Trichloropropane	8.00	75	41678	124.60 ng		82
59) n-Propylbenzene	8.06	91	588577	124.86 ng		90
60) Bromobenzene	8.01	156	95838	108.06 ng	#	57
61) 1,3,5-Trimethylbenzene	8.19	105	403759	116.91 ng		95
62) 2-Chlorotoluene	8.16	91	352570	115.37 ng		92
63) 4-Chlorotoluene	8.24	91	319193	117.46 ng		95
64) tert-Butylbenzene	8.47	119	426820	113.99 ng		90
65) 1,2,4-Trimethylbenzene	8.51	105	376756	115.08 ng		85
66) sec-Butylbenzene	8.66	105	569875	110.72 ng		98
67) p-Isopropyltoluene	8.76	119	482158	113.94 ng		100
68) 1,3-Dichlorobenzene	8.78	146	223849	111.25 ng		89
69) 1,4-Dichlorobenzene	8.85	146	204887	108.45 ng		92
70) n-Butylbenzene	9.11	91	418130	120.59 ng		90
71) 1,2-Dichlorobenzene	9.18	146	177899	110.48 ng		87
72) 1,2-Dibromo-3-chloropropan	9.82	75	5821	125.53 ng	#	65
73) 1,2,4-Trichlorobenzene	10.54	180	86604	97.48 ng	#	86
74) Hexachlorobutadiene	10.67	225	68229	120.97 ng	#	91
75) Naphthalene	10.77	128	103817	83.75 ng		100
76) 1,2,3-Trichlorobenzene	10.99	180	65761	102.79 ng	#	82
78) Ethanol	2.52	45	12181	4565.07 ng	#	35
79) Isopropyl Alcohol (IPA)	2.87	45	69132	5283.90 ng	#	86
80) t-Butanol *	3.15	59	29067	1337.24 ng		81

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

Quantitation Report (Not Reviewed)

Data Path : E:\data\111213\
Data File : 100ng.D
Acq On : 12 Nov 2013 12:29 pm
Operator : CS
Sample : ICAL100ng
Misc :
ALS Vial : 15 Sample Multiplier: 1

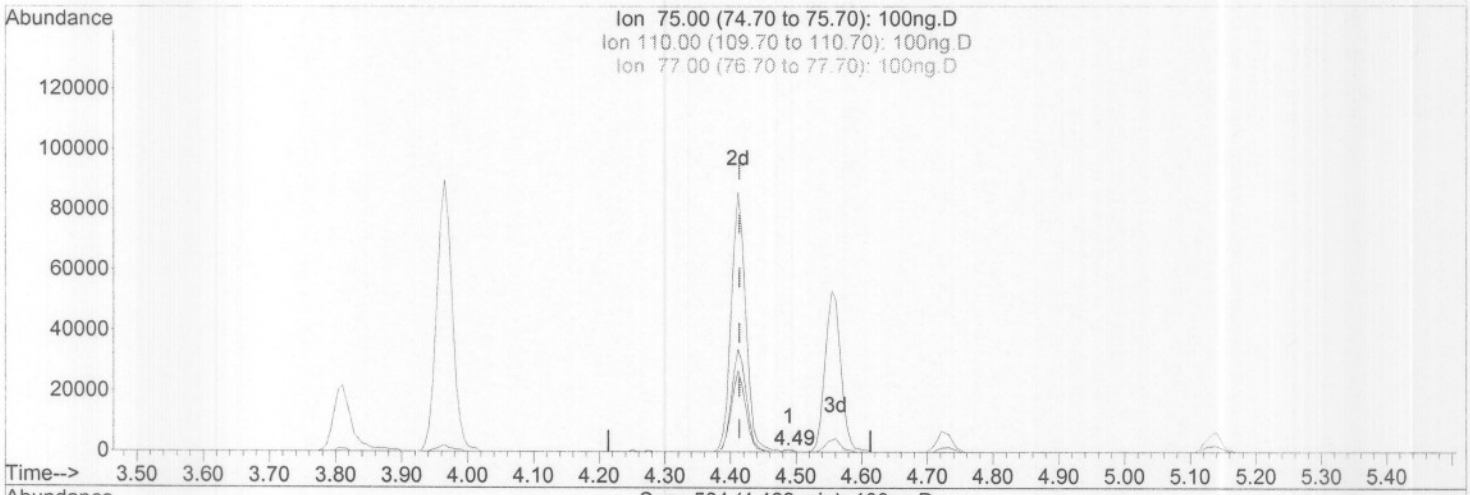
Quant Time: Nov 12 14:19:26 2013
Quant Method : C:\MSDCHEM\1\METHODS\METHODS\070113VAPOR.M
Quant Title : 8260 SV for volatile organic compounds GC/MS #3
QLast Update : Wed Nov 06 16:58:25 2013
Response via : Initial Calibration
InstName : GC MS #3

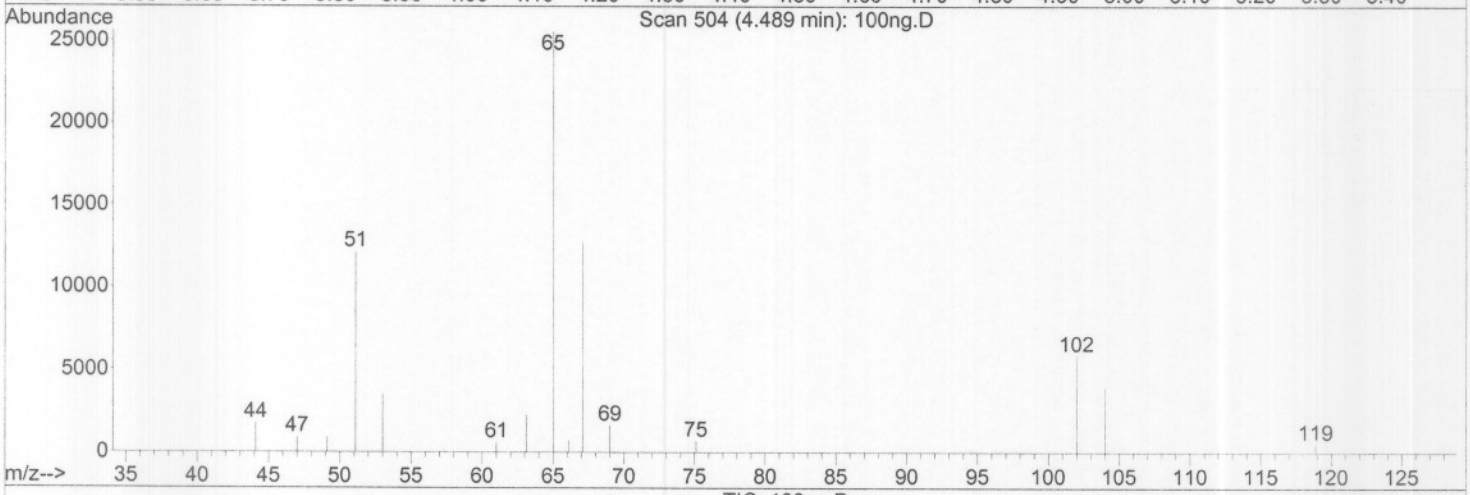


Quantitation Report (Qedit)

Data Path : E:\data\111213\
Data File : 100ng.D
Acq On : 12 Nov 2013 12:29 pm
Operator : CS
Sample : ICAL100ng
Misc :
ALS Vial : 15 Sample Multiplier: 1

Quant Time: Nov 12 14:19:26 2013
Quant Method : C:\MSDCHEM\1\METHODS\METHODS\070113VAPOR.M
Quant Title : 8260 SV for volatile organic compounds GC/MS #3
QLast Update : Wed Nov 06 16:58:25 2013
Response via : Initial Calibration
InstName : GC MS #3





TIC: 100ng.D

(25) 1,1-Dichloropropene (T)

4.489min (+0.075) 0.58ng

response 682

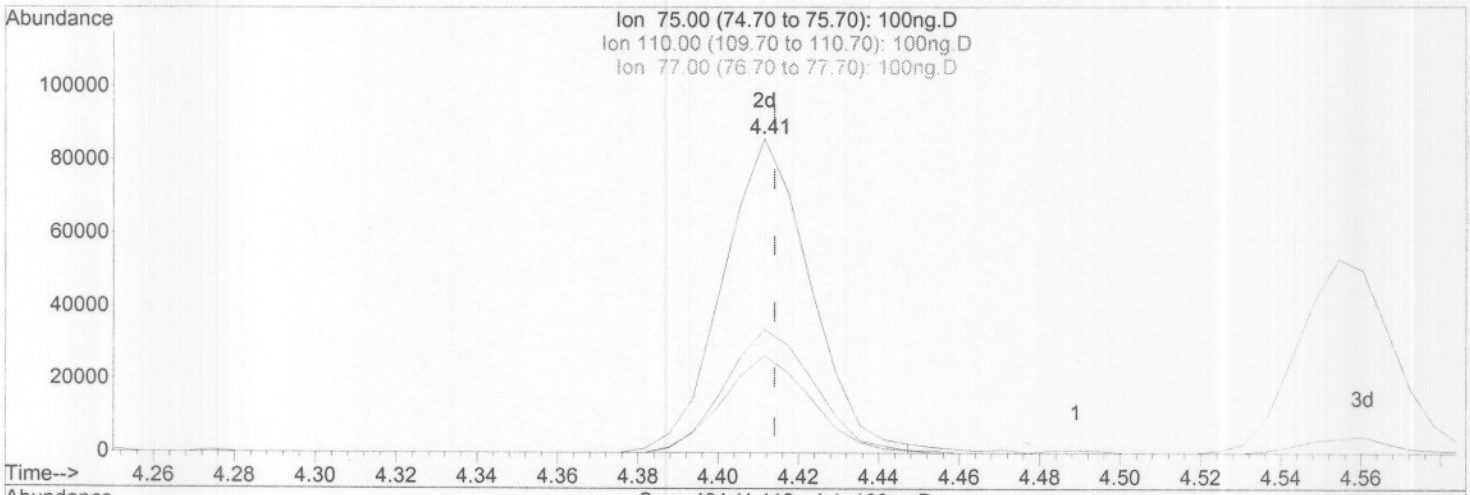
Ion	Exp%	Act%
75.00	100	100
110.00	0.00	0.00
77.00	0.00	0.00
0.00	0.00	0.00

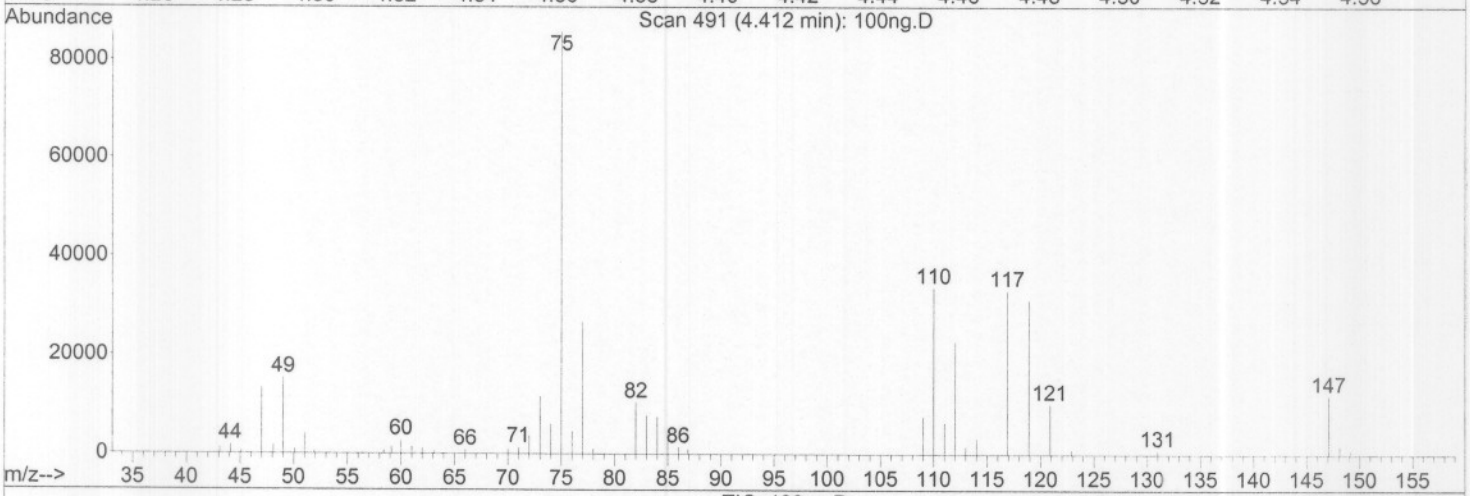
Before CI
11-12-13
wrong peak

Quantitation Report (Qedit)

Data Path : E:\data\111213\
Data File : 100ng.D
Acq On : 12 Nov 2013 12:29 pm
Operator : CS
Sample : ICAL100ng
Misc :
ALS Vial : 15 Sample Multiplier: 1

Quant Time: Nov 12 14:19:26 2013
Quant Method : C:\MSDCHEM\1\METHODS\METHODS\070113VAPOR.M
Quant Title : 8260 SV for volatile organic compounds GC/MS #3
QLast Update : Wed Nov 06 16:58:25 2013
Response via : Initial Calibration
InstName : GC MS #3





TIC: 100ng.D

(25) 1,1-Dichloropropene (T)

4.412min (-0.003) 111.30ng m

response 130757

Ion	Exp%	Act%
75.00	100	100
110.00	0.00	39.38#
77.00	0.00	31.09#
0.00	0.00	0.00

After CS
11-12-13
wrong peak

Quantitation Report (Not Reviewed)

Data Path : E:\data\111213\
Data File : 500ng.D
Acq On : 12 Nov 2013 12:47 pm
Operator : CS
Sample : ICAL500ng
Misc :
ALS Vial : 16 Sample Multiplier: 1

Quant Time: Nov 12 14:20:12 2013
Quant Method : C:\MSDCHEM\1\METHODS\METHODS\070113VAPOR.M
Quant Title : 8260 SV for volatile organic compounds GC/MS #3
QLast Update : Wed Nov 06 16:58:25 2013
Response via : Initial Calibration
InstName : GC MS #3

Internal Standards	R.T.	QIon	Response	Conc Units	Dev(Min)
1) Fluorobenzene	4.73	96	172540	50.00 ng	0.00
43) Chlorobenzene-D5	6.94	82	57640	50.00 ng	0.00
54) 1,4-Dichlorobenzene-d4	8.83	152	58433	50.00 ng	0.00
77) TBA-d9	3.10	65	22594	1000.00 ng	0.00
System Monitoring Compounds					
24) Dibromofluoromethane	4.26	113	316904	480.08 ng	0.00
Spiked Amount 50.000	Range 75 - 125		Recovery = 960.16%#		
27) 1,2-Dichloroethane-d4	4.50	65	286056	668.59 ng	0.00
Spiked Amount 50.000	Range 62 - 139		Recovery = 1337.18%#		
37) Toluene-d8	5.84	98	1597193	509.41 ng	0.00
Spiked Amount 50.000	Range 75 - 125		Recovery = 1018.82%#		
55) 4-Bromofluorobenzene	7.87	174	449566	526.53 ng	0.00
Spiked Amount 50.000	Range 75 - 125		Recovery = 1053.06%#		

Target Compounds						Qvalue
2) 1,1-Difluoroethane	1.55	65	262698	483.35 ng	#	64
3) Dichlorodifluoromethane	1.59	85	598312	520.18 ng		89
4) Chloromethane	1.75	50	725535	643.54 ng		84
5) Vinyl Chloride	1.85	62	580730	527.26 ng		96
6) Bromomethane	2.12	94	282533	411.45 ng		93
7) Chloroethane	2.20	64	312952	518.76 ng		100
8) Trichlorofluoromethane	2.41	101	788574	549.68 ng		92
9) 1,1-Dichloroethene	2.79	96	438227	497.34 ng	#	77
10) Freon-113	2.77	101	488248	499.26 ng		89
11) acetone	2.80	43	450789	7437.00 ng	#	100
12) Methylene Chloride	3.11	84	354791	503.49 ng	#	82
13) MTBE*	3.29	73	583847	646.41 ng		100
14) trans-1,2-Dichloroethene	3.30	96	478464	513.99 ng	#	80
15) Diisopropyl ether*	3.60	45	1259501	777.72 ng		92
16) 1,1-Dichloroethane	3.57	63	812517	623.33 ng	#	100
17) Ethyl-t-butyl ether*	3.83	59	970183	725.34 ng		94
18) 2,2-Dichloropropane	3.97	77	677659	595.73 ng		100
19) 2-Butanone	3.94	72	164992	6984.17 ng	#	19
20) cis-1,2-Dichloroethene	3.95	96	473718	536.02 ng	#	75
21) Chloroform	4.15	83	687610	524.22 ng		88
22) Bromochloromethane	4.12	128	172799	532.93 ng	#	81
23) 1,1,1-Trichloroethane	4.30	97	761017	572.47 ng	#	100
25) 1,1-Dichloropropene	4.41	75	668846	572.03 ng	#	100
26) Carbon Tetrachloride	4.42	117	681739	576.24 ng		95
28) 1,2-Dichloroethane	4.55	62	367209	770.69 ng		99
29) TAME* (2-methoxy-2-methylb	4.60	73	684087	615.94 ng		90
30) Benzene*	4.55	78	1691026	519.51 ng		94
31) Trichloroethene	4.98	95	522610	550.26 ng		76
32) 1,2-Dichloropropane	5.13	63	400761	640.37 ng		95
33) Bromodichloromethane	5.31	83	440662	583.42 ng		99
34) Dibromomethane	5.22	93	143366	582.22 ng		95
35) cis-1,3-Dichloropropene	5.62	75	520417	607.06 ng		99
36) Methyl Isobutyl Ketone	5.70	43	1848851	9119.86 ng	#	100
38) Toluene*	5.89	92	1210923	493.92 ng		99
39) trans-1,3-Dichloropropene	6.01	75	394910	642.28 ng		95
40) 1,1,2-Trichloroethane	6.16	83	182922	577.68 ng	#	60
41) 2-Hexanone	6.31	43	1216960	9257.38 ng		96

Quantitation Report (Not Reviewed)

Data Path : E:\data\111213\
Data File : 500ng.D
Acq On : 12 Nov 2013 12:47 pm
Operator : CS
Sample : ICAL500ng
Misc :
ALS Vial : 16 Sample Multiplier: 1

Quant Time: Nov 12 14:20:12 2013
Quant Method : C:\MSDCHEM\1\METHODS\METHODS\070113VAPOR.M
Quant Title : 8260 SV for volatile organic compounds GC/MS #3
QLast Update : Wed Nov 06 16:58:25 2013
Response via : Initial Calibration
InstName : GC MS #3

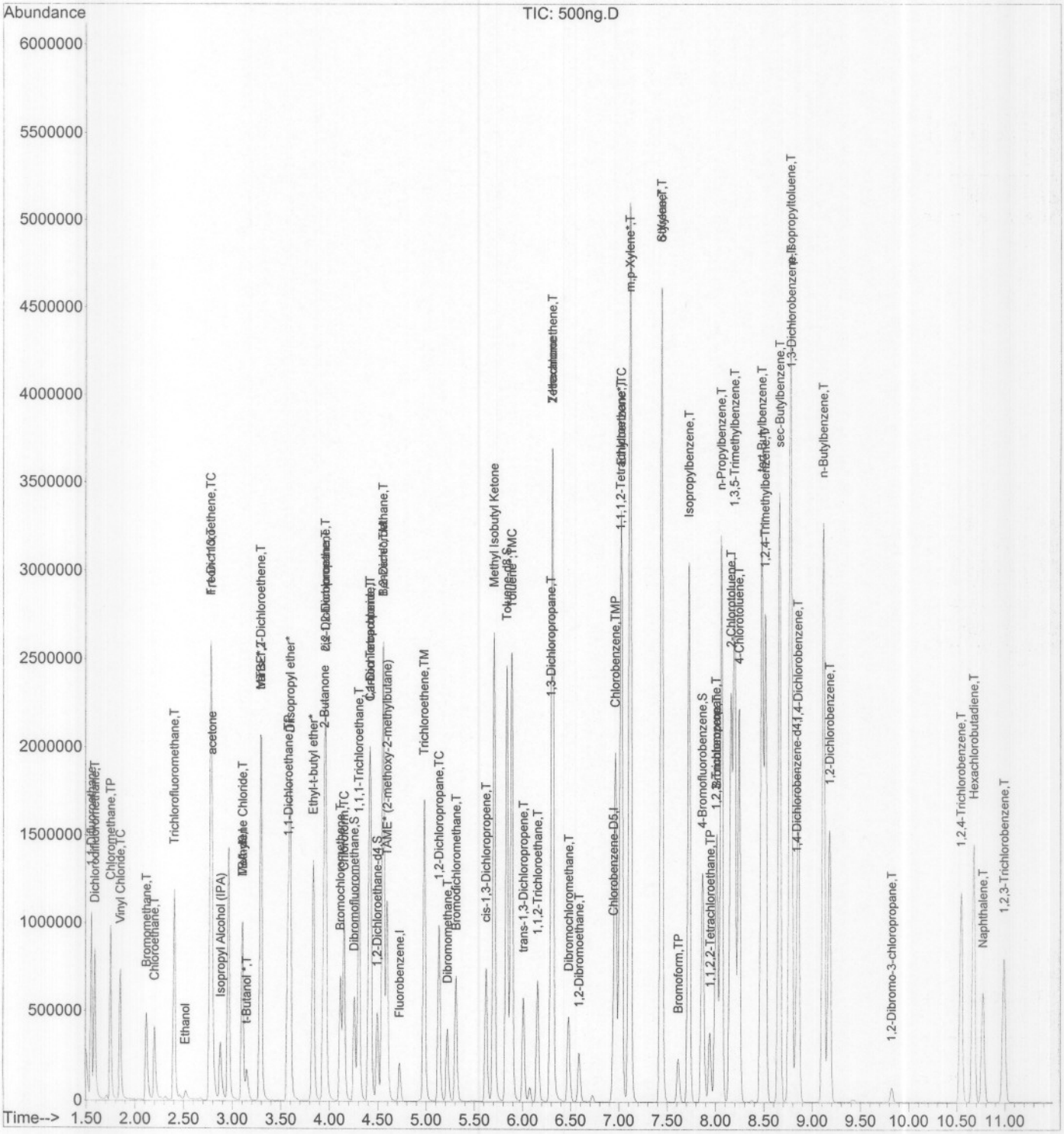
Internal Standards	R.T.	QIon	Response	Conc Units		Dev(Min)
42) 1,2-Dibromoethane	6.59	107	198685	562.50 ng		91
44) 1,3-Dichloropropane	6.29	76	372652	581.50 ng	#	100
45) Tetrachloroethene	6.31	164	492950	524.16 ng		92
46) Dibromochloromethane	6.48	129	286216	568.70 ng		99
47) Chlorobenzene	6.96	112	1260054	540.17 ng		96
48) Ethylbenzene*	7.03	106	713517	516.25 ng		99
49) 1,1,1,2-Tetrachloroethane	7.01	131	398473	529.22 ng	#	96
50) m,p-Xylene*	7.12	106	1839249	1045.75 ng		98
51) o-Xylene*	7.44	106	860910	511.95 ng		99
52) Styrene	7.44	104	1337304	563.31 ng		77
53) Bromoform	7.62	173	138806	585.77 ng		98
56) Isopropylbenzene	7.72	105	2302923	557.62 ng		88
57) 1,1,2,2-Tetrachloroethane	7.94	83	225583	584.92 ng		97
58) 1,2,3-Trichloropropane	8.00	75	214335	618.78 ng		89
59) n-Propylbenzene	8.06	91	2889799	592.01 ng		94
60) Bromobenzene	8.01	156	491699	535.41 ng	#	53
61) 1,3,5-Trimethylbenzene	8.19	105	2010812	562.28 ng		100
62) 2-Chlorotoluene	8.16	91	1798606	568.38 ng		92
63) 4-Chlorotoluene	8.24	91	1602405	569.43 ng		94
64) tert-Butylbenzene	8.47	119	2227065	574.40 ng		93
65) 1,2,4-Trimethylbenzene	8.52	105	1871470	552.04 ng		86
66) sec-Butylbenzene	8.66	105	2853916	535.45 ng		96
67) p-Isopropyltoluene	8.77	119	2411771	550.40 ng		100
68) 1,3-Dichlorobenzene	8.78	146	1100863	528.34 ng		89
69) 1,4-Dichlorobenzene	8.85	146	1042455	532.87 ng		94
70) n-Butylbenzene	9.11	91	2154130	599.94 ng		89
71) 1,2-Dichlorobenzene	9.18	146	901017	540.36 ng		89
72) 1,2-Dibromo-3-chloropropan	9.82	75	30899	643.46 ng	#	67
73) 1,2,4-Trichlorobenzene	10.54	180	517295	562.28 ng	#	88
74) Hexachlorobutadiene	10.67	225	348282	596.34 ng	#	90
75) Naphthalene	10.77	128	698454	544.14 ng		100
76) 1,2,3-Trichlorobenzene	10.99	180	378269	570.99 ng	#	79
78) Ethanol	2.52	45	59454	20116.92 ng		98
79) Isopropyl Alcohol (IPA)	2.88	45	369418	25492.29 ng		98
80) t-Butanol *	3.15	59	152053	6315.69 ng		97

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

Quantitation Report (Not Reviewed)

Data Path : E:\data\111213\
Data File : 500ng.D
Acq On : 12 Nov 2013 12:47 pm
Operator : CS
Sample : ICAL500ng
Misc :
ALS Vial : 16 Sample Multiplier: 1

Quant Time: Nov 12 14:20:12 2013
Quant Method : C:\MSDCHEM\1\METHODS\METHODS\070113VAPOR.M
Quant Title : 8260 SV for volatile organic compounds GC/MS #3
QLast Update : Wed Nov 06 16:58:25 2013
Response via : Initial Calibration
InstName : GC MS #3



Quantitation Report (Not Reviewed)

Data Path : E:\data\111213\
Data File : 1K.D
Acq On : 12 Nov 2013 1:05 pm
Operator : CS
Sample : ICAL1K
Misc :
ALS Vial : 17 Sample Multiplier: 1

Quant Time: Nov 12 14:20:58 2013
Quant Method : C:\MSDCHEM\1\METHODS\METHODS\070113VAPOR.M
Quant Title : 8260 SV for volatile organic compounds GC/MS #3
QLast Update : Wed Nov 06 16:58:25 2013
Response via : Initial Calibration
InstName : GC MS #3

Internal Standards	R.T.	QIon	Response	Conc Units	Dev(Min)
1) Fluorobenzene	4.72	96	194862	50.00 ng	0.00
43) Chlorobenzene-D5	6.94	82	66366	50.00 ng	0.00
54) 1,4-Dichlorobenzene-d4	8.83	152	64336	50.00 ng	0.00
77) TBA-d9	3.10	65	28053	1000.00 ng	0.00
System Monitoring Compounds					
24) Dibromofluoromethane	4.41	113	28129	37.73 ng	0.15
Spiked Amount 50.000	Range 75 - 125		Recovery = 75.46%		
27) 1,2-Dichloroethane-d4	4.55	65	33157	68.62 ng	0.05
Spiked Amount 50.000	Range 62 - 139		Recovery = 137.24%		
37) Toluene-d8	5.83	98	3398	0.96 ng	0.00
Spiked Amount 50.000	Range 75 - 125		Recovery = 1.92%#		
55) 4-Bromofluorobenzene	7.87	174	1584	1.68 ng	0.00
Spiked Amount 50.000	Range 75 - 125		Recovery = 3.36%#		
Target Compounds					Qvalue
2) 1,1-Difluoroethane	1.55	65	562596	916.56 ng #	72
3) Dichlorodifluoromethane	1.59	85	1260133	970.07 ng	89
4) Chloromethane	1.75	50	1551479	1218.49 ng	85
5) Vinyl Chloride	1.85	62	1235156	992.97 ng	100
6) Bromomethane	2.12	94	624583	805.37 ng	95
7) Chloroethane	2.20	64	674045	989.34 ng	99
8) Trichlorofluoromethane	2.40	101	1652930	1020.20 ng	96
9) 1,1-Dichloroethene	2.78	96	938605	943.20 ng #	82
10) Freon-113	2.78	101	1056078	956.19 ng	85
11) acetone	2.80	43	951768	13903.30 ng #	100
12) Methylene Chloride	3.11	84	793910	997.60 ng #	87
13) MTBE*	3.29	73	1322975	1296.96 ng	100
14) trans-1,2-Dichloroethene	3.30	96	1056275	1004.72 ng	83
15) Diisopropyl ether*	3.60	45	2707596	1480.37 ng	95
16) 1,1-Dichloroethane	3.74	63	188	0.13 ng	100
17) Ethyl-t-butyl ether*	3.84	59	2191097	1450.48 ng	94
18) 2,2-Dichloropropane	3.96	77	1531823	1192.37 ng	100
19) 2-Butanone	3.94	72	381467	14297.87 ng #	34
20) cis-1,2-Dichloroethene	3.96	96	1052022	1054.03 ng #	80
21) Chloroform	4.15	83	1543398	1041.87 ng	83
22) Bromochloromethane	4.12	128	402662	1099.59 ng #	80
23) 1,1,1-Trichloroethane	4.31	97	1691139	1126.42 ng #	100
25) 1,1-Dichloropropene	4.41	75	1485374	1124.85 ng #	100
26) Carbon Tetrachloride	4.43	117	1533644	1147.81 ng	96
28) 1,2-Dichloroethane	4.55	62	810332	1505.89 ng	99
29) TAME* (2-methoxy-2-methylb	4.59	73	1628360	1298.20 ng	94
30) Benzene*	4.56	78	3670104	998.35 ng	93
31) Trichloroethene	4.98	95	1180307	1100.40 ng #	70
32) 1,2-Dichloropropane	5.14	63	948064	1341.37 ng	95
33) Bromodichloromethane	5.31	83	1017825	1193.20 ng	95
34) Dibromomethane	5.22	93	333268	1198.38 ng	93
35) cis-1,3-Dichloropropene	5.62	75	1237044	1277.71 ng	99
36) Methyl Isobutyl Ketone	5.70	43	3777031	16496.78 ng #	100
38) Toluene*	5.89	92	2726638	984.77 ng	92
39) trans-1,3-Dichloropropene	6.01	75	942280	1356.98 ng	95
40) 1,1,2-Trichloroethane	6.16	83	425486	1189.79 ng #	58
41) 2-Hexanone	6.31	43	2516721	16951.56 ng	92

Quantitation Report (Not Reviewed)

Data Path : E:\data\111213\
Data File : 1K.D
Acq On : 12 Nov 2013 1:05 pm
Operator : CS
Sample : ICAL1K
Misc :
ALS Vial : 17 Sample Multiplier: 1

Quant Time: Nov 12 14:20:58 2013
Quant Method : C:\MSDCHEM\1\METHODS\METHODS\070113VAPOR.M
Quant Title : 8260 SV for volatile organic compounds GC/MS #3
QLast Update : Wed Nov 06 16:58:25 2013
Response via : Initial Calibration
InstName : GC MS #3

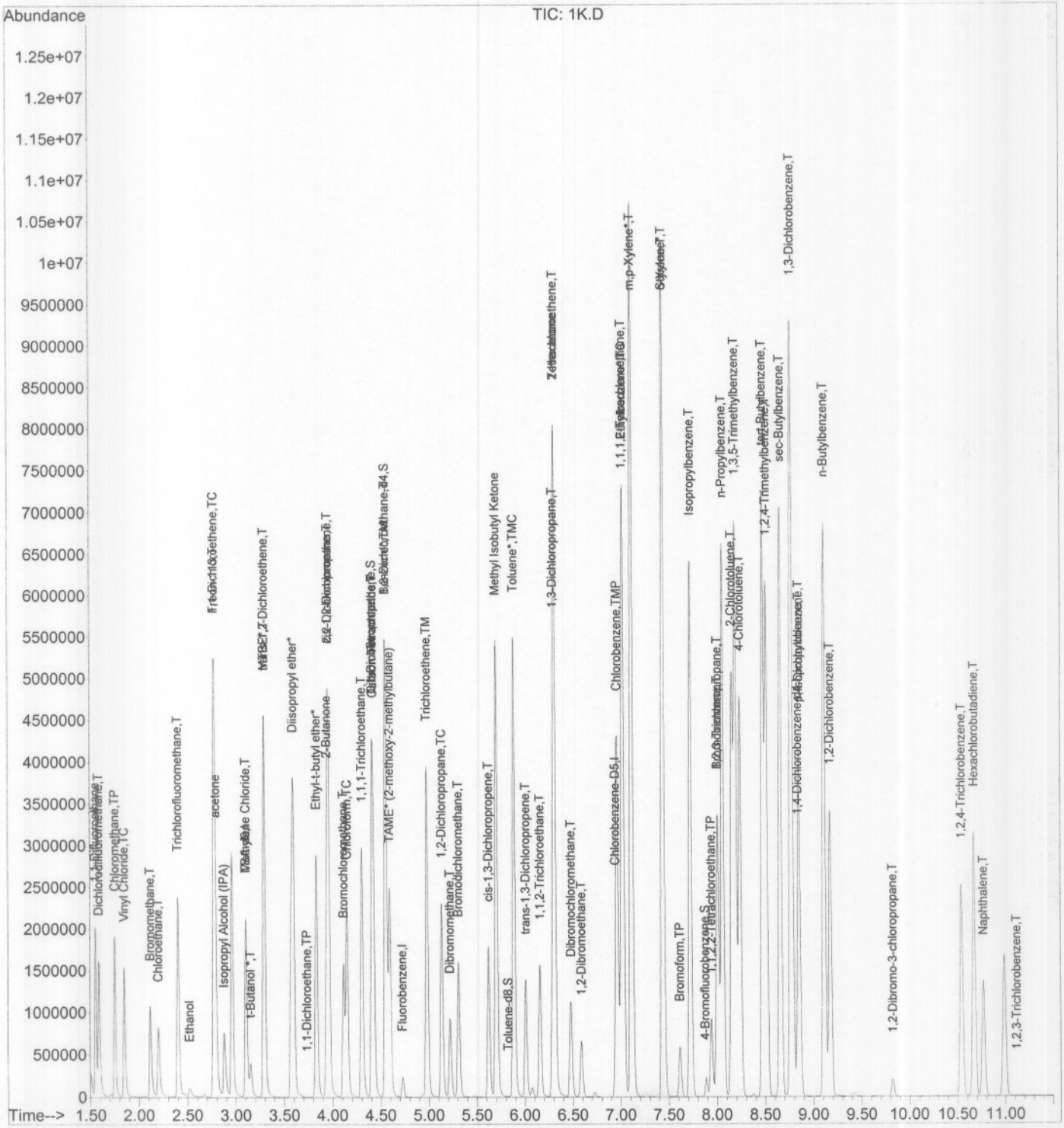
Internal Standards	R.T.	QIon	Response	Conc Units		Dev(Min)
42) 1,2-Dibromoethane	6.59	107	489592	1227.31 ng		92
44) 1,3-Dichloropropane	6.29	76	844014	1143.86 ng	#	100
45) Tetrachloroethene	6.31	164	1096803	1012.91 ng		93
46) Dibromochloromethane	6.48	129	692688	1195.39 ng		98
47) Chlorobenzene	6.96	112	2854045	1062.62 ng		95
48) Ethylbenzene*	7.02	106	1674901	1052.51 ng	#	81
49) 1,1,1,2-Tetrachloroethane	7.01	131	946391	1091.65 ng	#	96
50) m,p-Xylene*	7.11	106	4022867	1986.55 ng		80
51) o-Xylene*	7.44	106	1985544	1025.48 ng		89
52) Styrene	7.44	104	2925597	1070.32 ng		69
53) Bromoform	7.61	173	338336	1240.07 ng		97
56) Isopropylbenzene	7.73	105	4917042	1081.36 ng		96
57) 1,1,2,2-Tetrachloroethane	7.94	83	539771	1271.17 ng		97
58) 1,2,3-Trichloropropane	8.00	75	497567	1304.67 ng		87
59) n-Propylbenzene	8.06	91	5879695	1094.01 ng		95
60) Bromobenzene	8.01	156	1127723	1115.30 ng	#	55
61) 1,3,5-Trimethylbenzene	8.19	105	4220979	1072.01 ng		93
62) 2-Chlorotoluene	8.16	91	3936180	1129.75 ng		89
63) 4-Chlorotoluene	8.24	91	3440177	1110.32 ng		90
64) tert-Butylbenzene	8.48	119	4859267	1138.30 ng		88
65) 1,2,4-Trimethylbenzene	8.51	105	3966023	1062.55 ng		92
66) sec-Butylbenzene	8.66	105	5840912	995.33 ng		86
67) p-Isopropyltoluene	8.85	119	5654	1.17 ng		100
68) 1,3-Dichlorobenzene	8.78	146	2351959	1025.21 ng		87
69) 1,4-Dichlorobenzene	8.85	146	2267445	1052.71 ng		95
70) n-Butylbenzene	9.11	91	4371496	1105.79 ng		84
71) 1,2-Dichlorobenzene	9.17	146	1977095	1076.91 ng		88
72) 1,2-Dibromo-3-chloropropan	9.82	75	72459	1370.49 ng	#	75
73) 1,2,4-Trichlorobenzene	10.54	180	1114558	1100.32 ng	#	89
74) Hexachlorobutadiene	10.67	225	783285	1218.10 ng	#	94
75) Naphthalene	10.77	128	1561960	1105.21 ng		100
76) 1,2,3-Trichlorobenzene	11.12	180	1716	2.35 ng		92
78) Ethanol	2.52	45	141615	38592.55 ng		100
79) Isopropyl Alcohol (IPA)	2.88	45	931320	51761.11 ng		98
80) t-Butanol *	3.15	59	359485	12025.98 ng		92

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

Quantitation Report (Not Reviewed)

Data Path : E:\data\111213\
Data File : 1K.D
Acq On : 12 Nov 2013 1:05 pm
Operator : CS
Sample : ICAL1K
Misc :
ALS Vial : 17 Sample Multiplier: 1

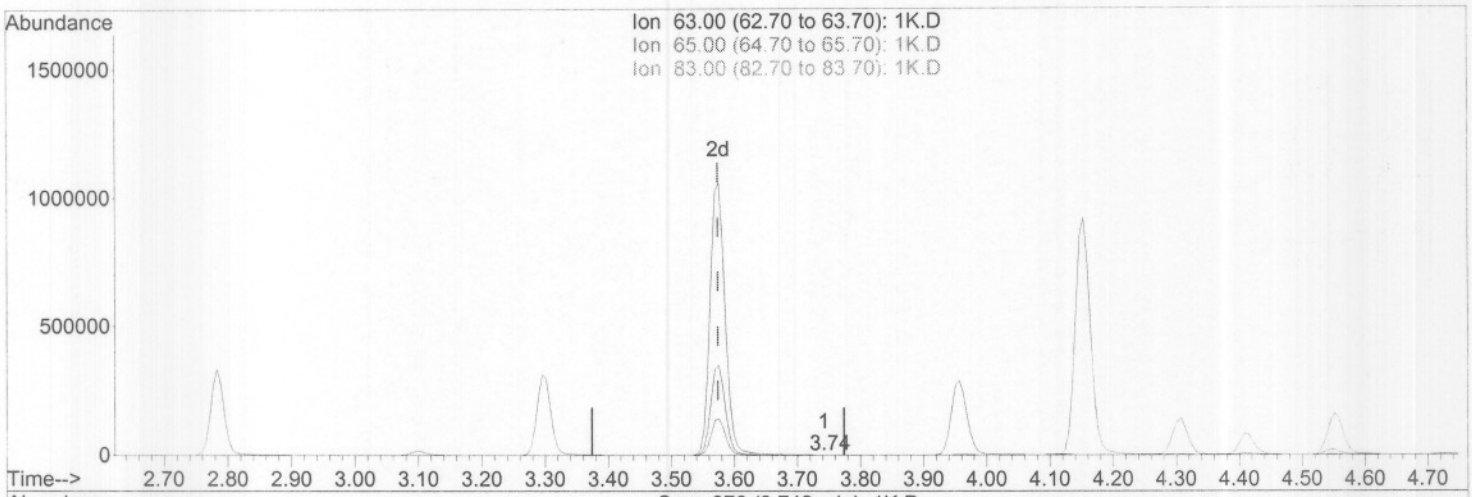
Quant Time: Nov 12 14:20:58 2013
Quant Method : C:\MSDCHEM\1\METHODS\METHODS\070113VAPOR.M
Quant Title : 8260 SV for volatile organic compounds GC/MS #3
QLast Update : Wed Nov 06 16:58:25 2013
Response via : Initial Calibration
InstName : GC MS #3

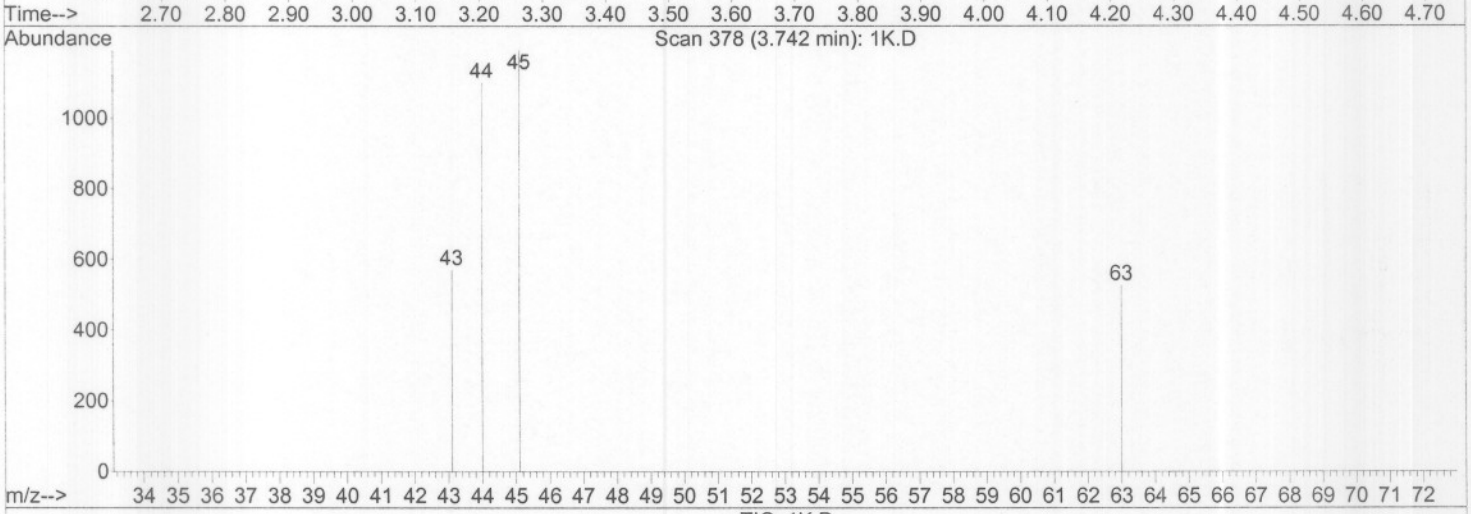


Quantitation Report (Qedit)

Data Path : E:\data\111213\
Data File : 1K.D
Acq On : 12 Nov 2013 1:05 pm
Operator : CS
Sample : ICAL1K
Misc :
ALS Vial : 17 Sample Multiplier: 1

Quant Time: Nov 12 14:20:58 2013
Quant Method : C:\MSDCHEM\1\METHODS\METHODS\070113VAPOR.M
Quant Title : 8260 SV for volatile organic compounds GC/MS #3
QLast Update : Wed Nov 06 16:58:25 2013
Response via : Initial Calibration
InstName : GC MS #3





TIC: 1K.D

(16) 1,1-Dichloroethane (TP)

3.742min (+0.168) 0.13ng

response 188

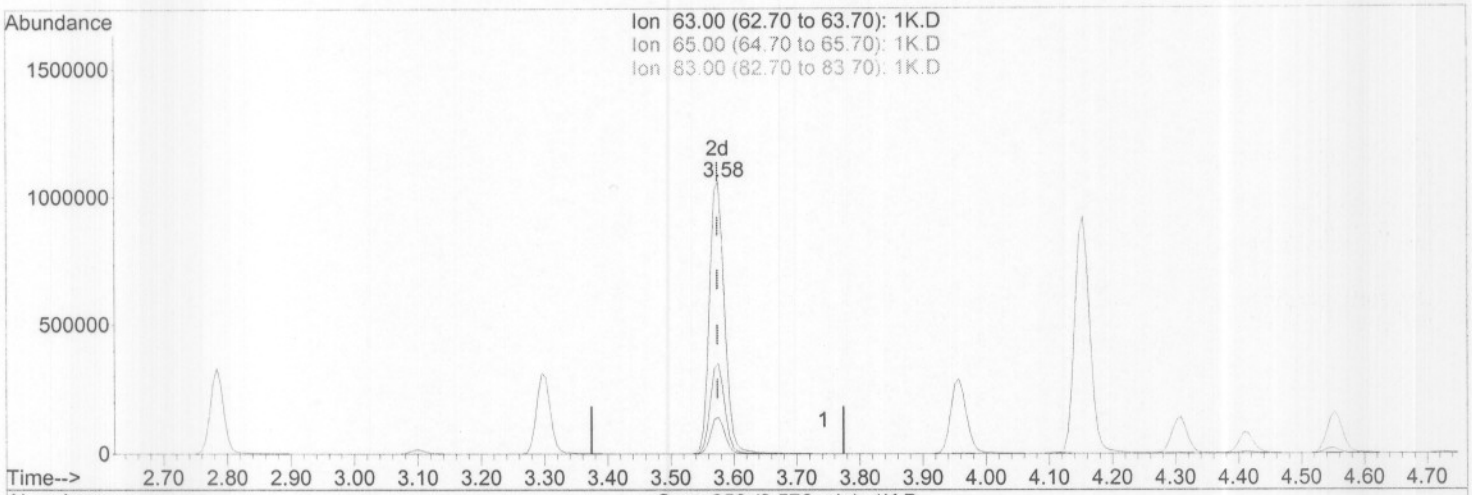
Ion	Exp%	Act%
63.00	100	100
65.00	0.00	0.00
83.00	0.00	0.00
0.00	0.00	0.00

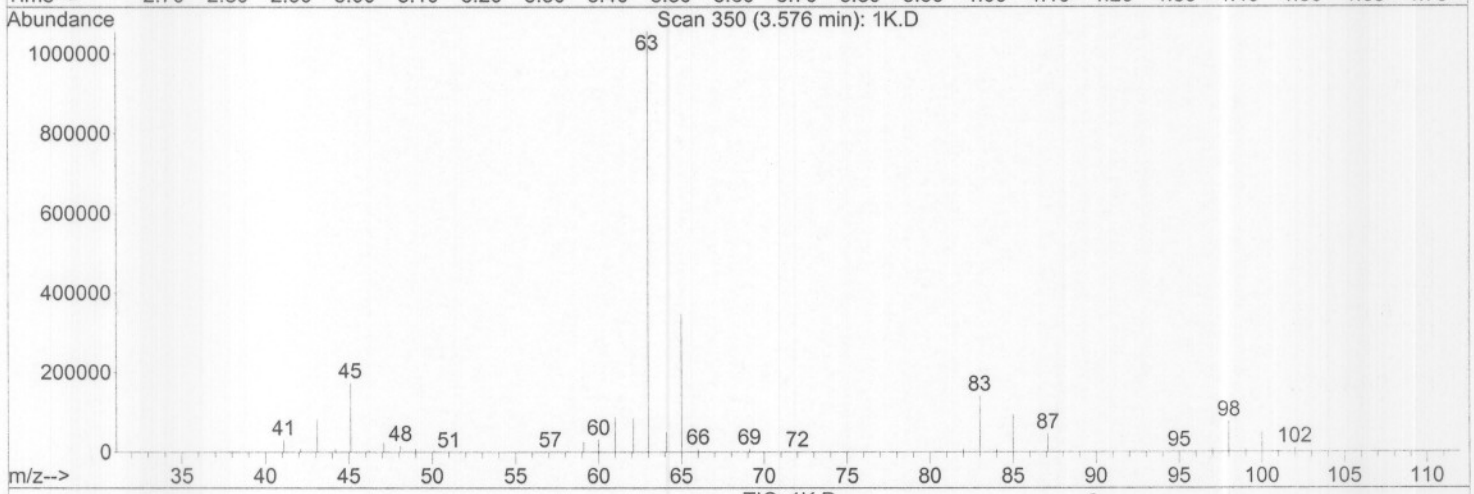
Before CS
11-12-13
wrong peak

Quantitation Report (Qedit)

Data Path : E:\data\111213\
Data File : 1K.D
Acq On : 12 Nov 2013 1:05 pm
Operator : CS
Sample : ICAL1K
Misc :
ALS Vial : 17 Sample Multiplier: 1

Quant Time: Nov 12 14:20:58 2013
Quant Method : C:\MSDCHEM\1\METHODS\METHODS\070113VAPOR.M
Quant Title : 8260 SV for volatile organic compounds GC/MS #3
QLast Update : Wed Nov 06 16:58:25 2013
Response via : Initial Calibration
InstName : GC MS #3





TIC: 1K.D

(16) 1,1-Dichloroethane (TP)

3.576min (+0.001) 1196.24ng m

response 1761063

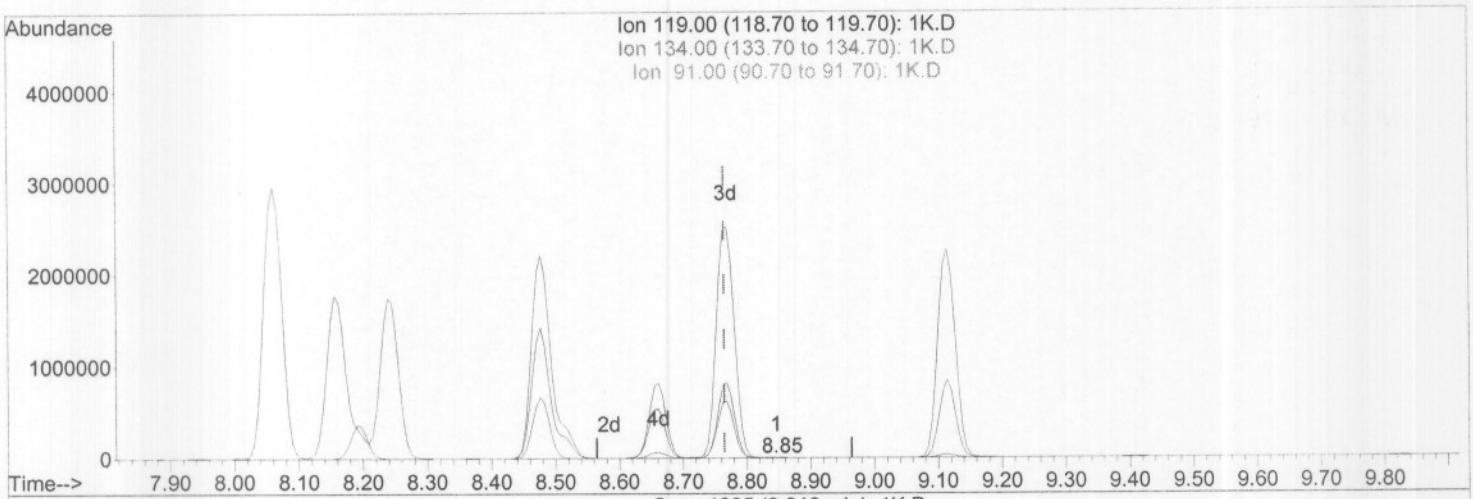
Ion	Exp%	Act%
63.00	100	100
65.00	0.00	32.94#
83.00	0.00	13.32
0.00	0.00	0.00

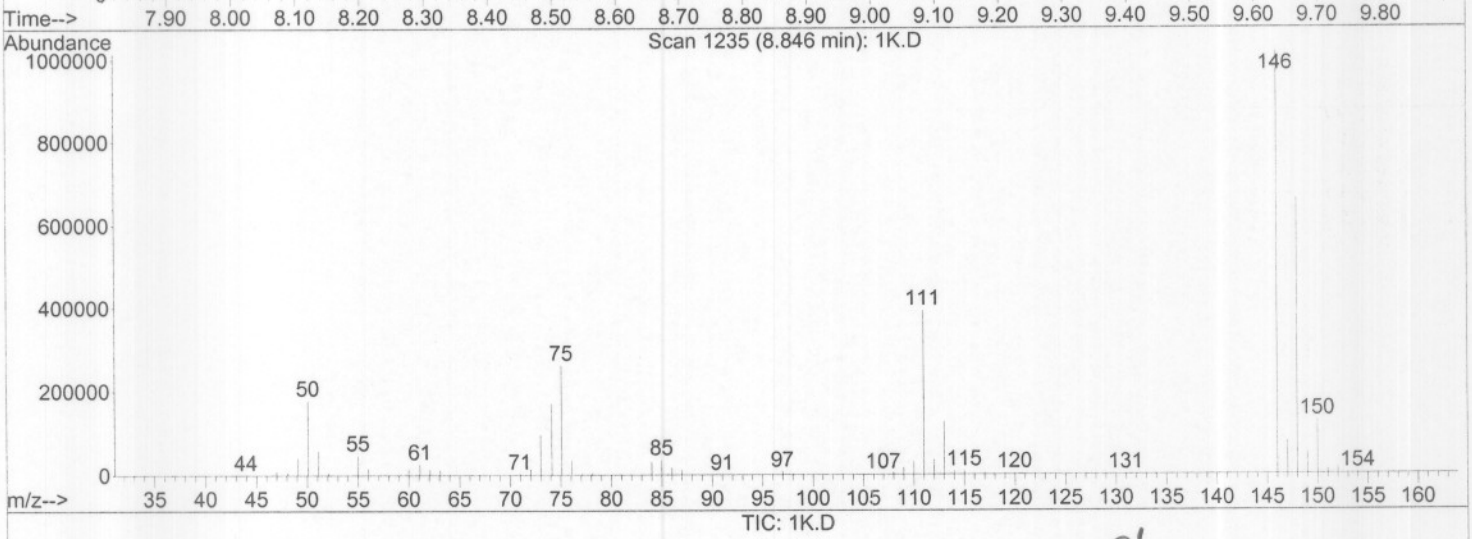
After CS
11-12-13
wrong peak

Quantitation Report (Qedit)

Data Path : E:\data\111213\
Data File : 1K.D
Acq On : 12 Nov 2013 1:05 pm
Operator : CS
Sample : ICAL1K
Misc :
ALS Vial : 17 Sample Multiplier: 1

Quant Time: Nov 13 12:41:48 2013
Quant Method : C:\MSDCHEM\1\METHODS\METHODS\070113VAPOR.M
Quant Title : 8260 SV for volatile organic compounds GC/MS #3
QLast Update : Wed Nov 06 16:58:25 2013
Response via : Initial Calibration
InstName : GC MS #3





(67) p-Isopropyltoluene (T)

8.846min (+0.081) 1.17ng

response 5654

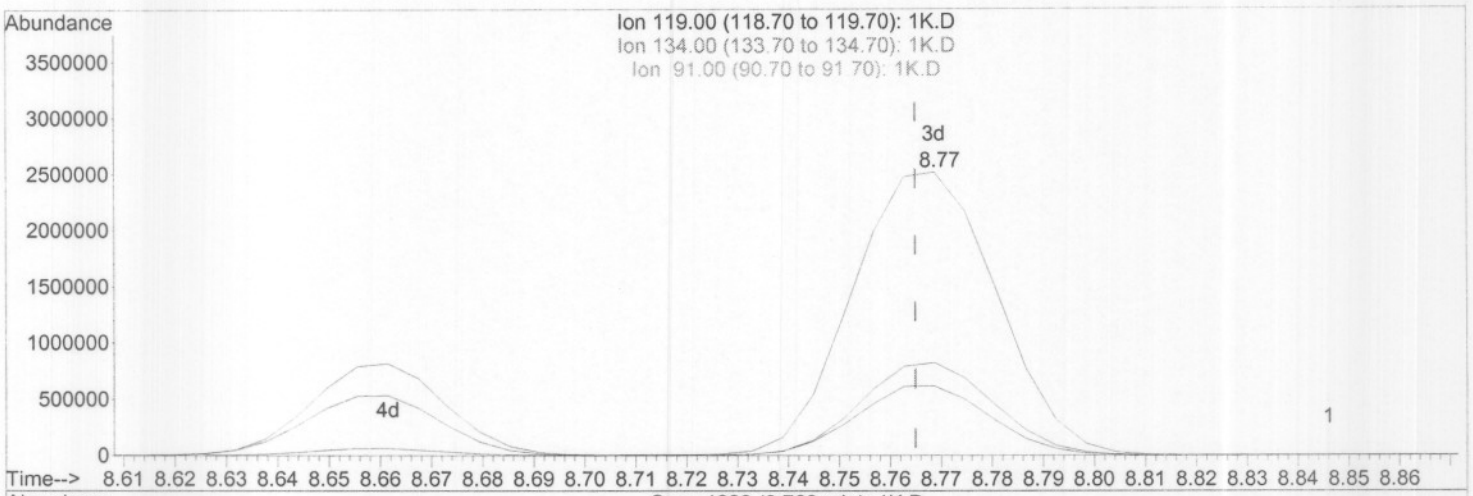
Ion	Exp%	Act%
119.00	100	100
134.00	0.00	0.00
91.00	0.00	28.03
0.00	0.00	0.00

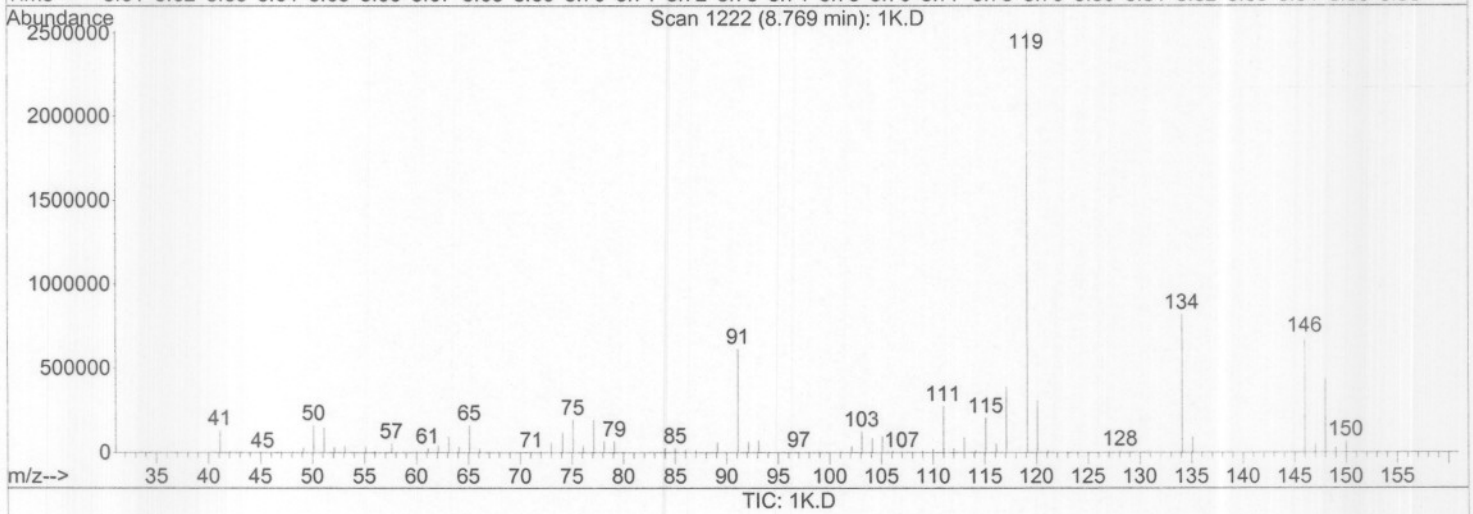
Before QC
11-12-13
wrong peak

Quantitation Report (Qedit)

Data Path : E:\data\111213\
Data File : 1K.D
Acq On : 12 Nov 2013 1:05 pm
Operator : CS
Sample : ICAL1K
Misc :
ALS Vial : 17 Sample Multiplier: 1

Quant Time: Nov 13 12:41:48 2013
Quant Method : C:\MSDCHEM\1\METHODS\METHODS\070113VAPOR.M
Quant Title : 8260 SV for volatile organic compounds GC/MS #3
QLast Update : Wed Nov 06 16:58:25 2013
Response via : Initial Calibration
InstName : GC MS #3





(67) p-Isopropyltoluene (T)

8.769min (+0.004) 1027.09ng m

response 4955243

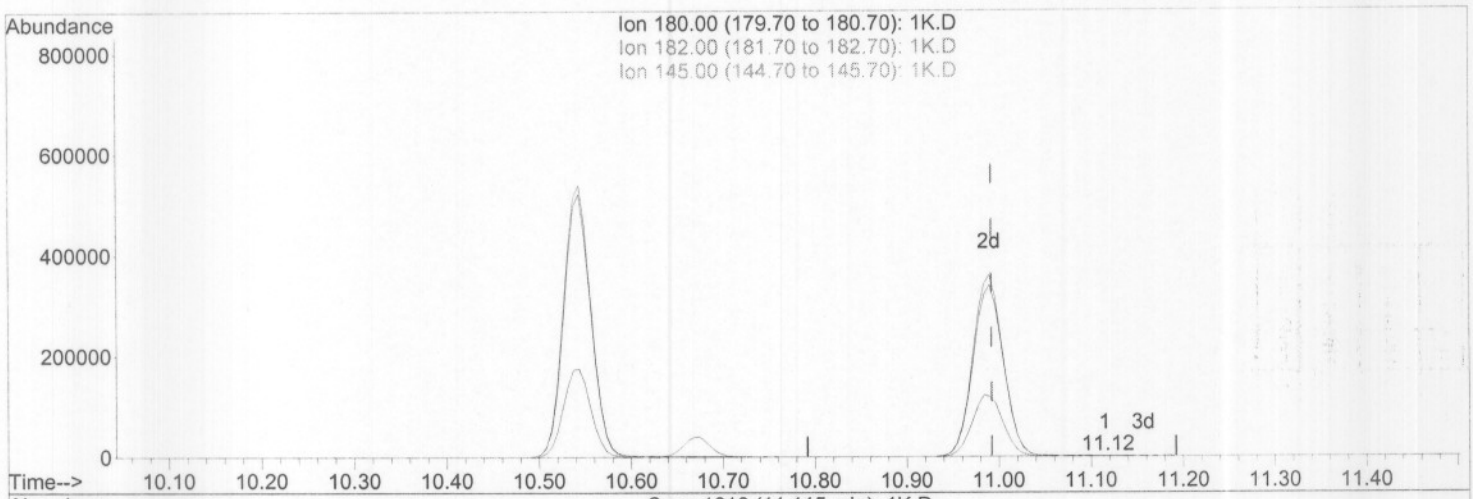
Ion	Exp%	Act%
119.00	100	100
134.00	0.00	32.61#
91.00	0.00	24.42
0.00	0.00	0.00

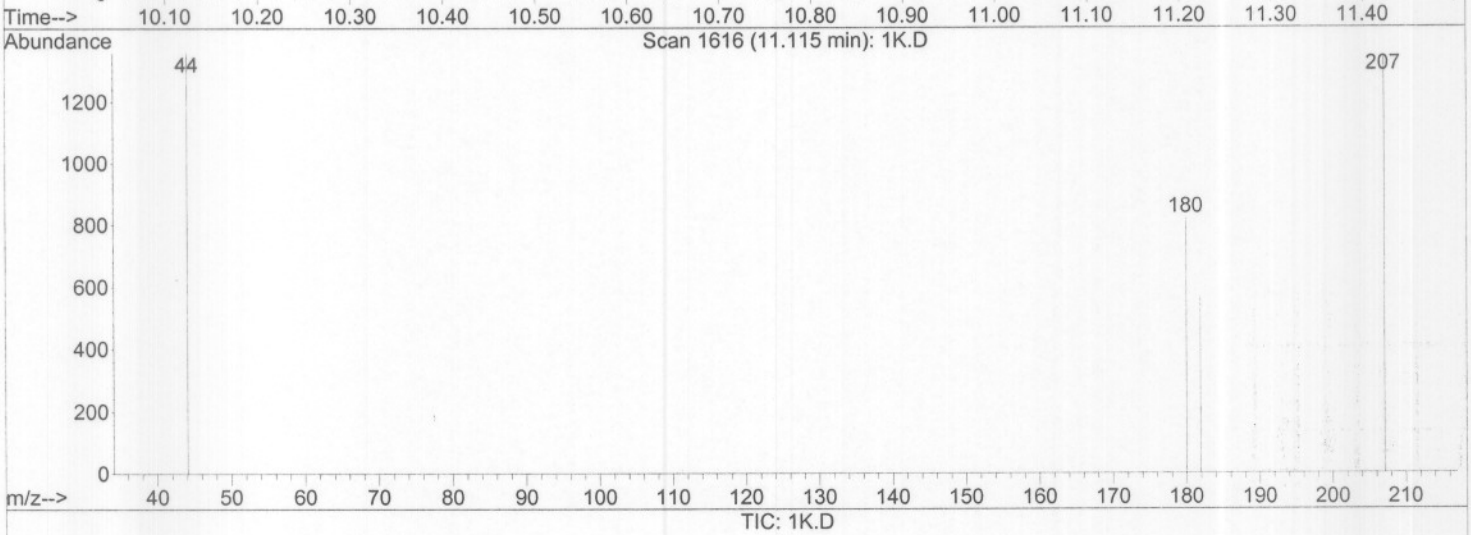
After CJ
11-12-13
wrong peak

Quantitation Report (Qedit)

Data Path : E:\data\111213\
Data File : 1K.D
Acq On : 12 Nov 2013 1:05 pm
Operator : CS
Sample : ICAL1K
Misc :
ALS Vial : 17 Sample Multiplier: 1

Quant Time: Nov 13 12:58:13 2013
Quant Method : C:\MSDCHEM\1\METHODS\METHODS\070113VAPOR.M
Quant Title : 8260 SV for volatile organic compounds GC/MS #3
QLast Update : Wed Nov 06 16:58:25 2013
Response via : Initial Calibration
InstName : GC MS #3





(76) 1,2,3-Trichlorobenzene (T)

11.115min (+0.123) 2.35ng

response 1716

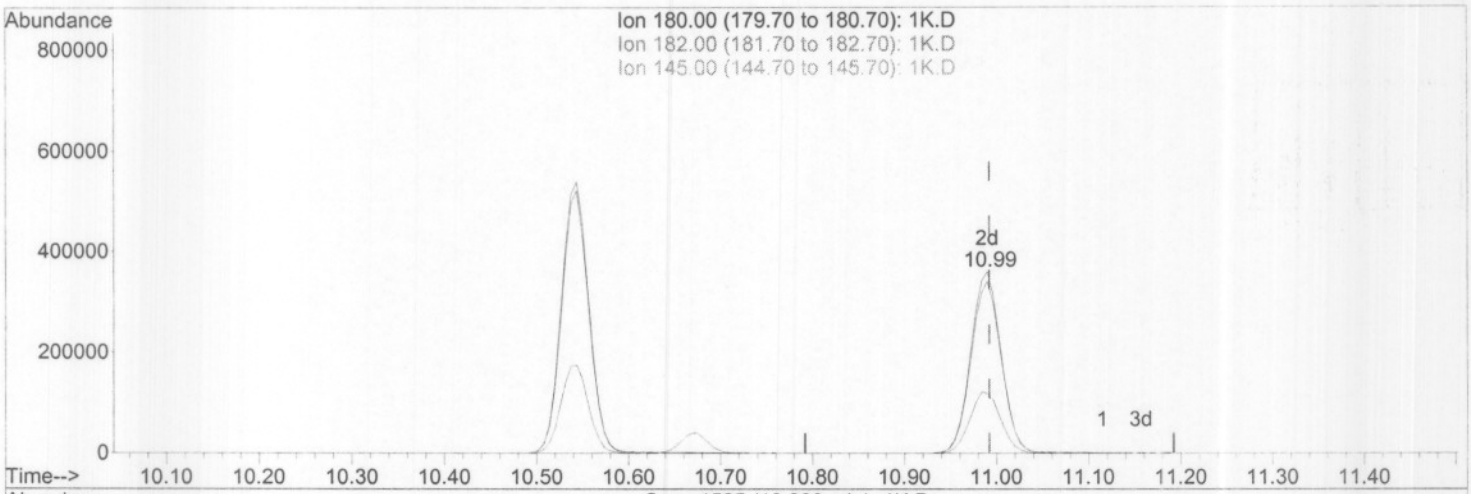
Ion	Exp%	Act%
180.00	100	100
182.00	76.60	69.39
145.00	0.00	0.00
0.00	0.00	0.00

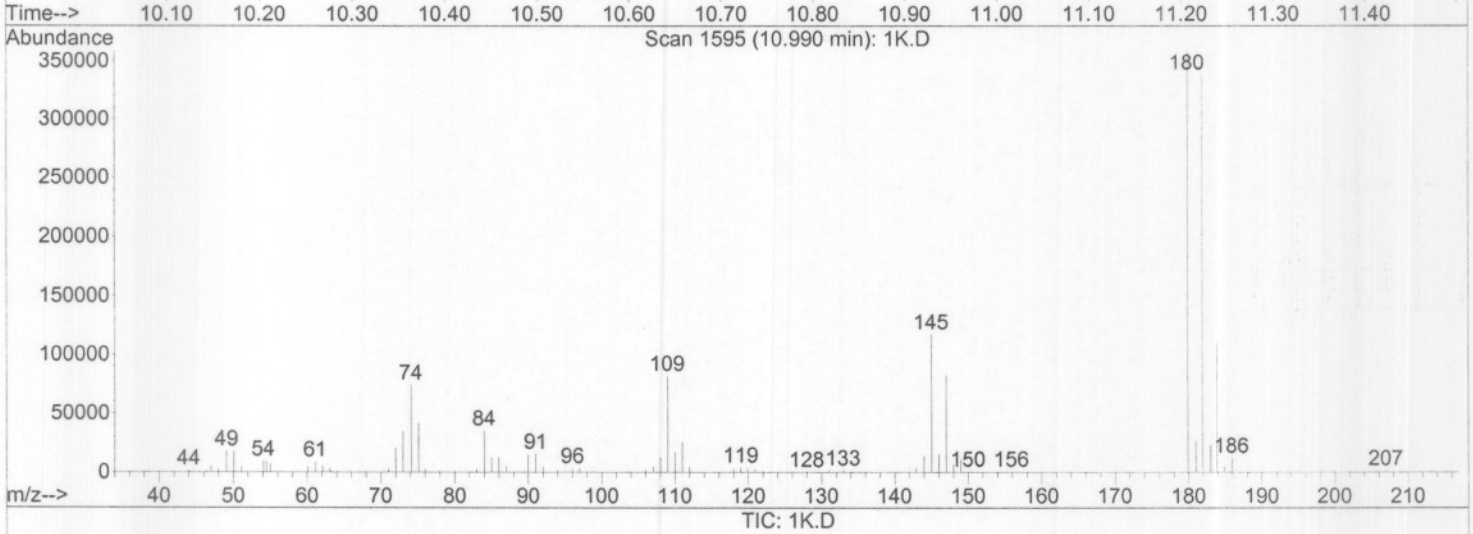
Before G
11-12-13
wrong peak

Quantitation Report (Qedit)

Data Path : E:\data\111213\
Data File : 1K.D
Acq On : 12 Nov 2013 1:05 pm
Operator : CS
Sample : ICAL1K
Misc :
ALS Vial : 17 Sample Multiplier: 1

Quant Time: Nov 13 12:58:13 2013
Quant Method : C:\MSDCHEM\1\METHODS\METHODS\070113VAPOR.M
Quant Title : 8260 SV for volatile organic compounds GC/MS #3
QLast Update : Wed Nov 06 16:58:25 2013
Response via : Initial Calibration
InstName : GC MS #3





(76) 1,2,3-Trichlorobenzene (T)

10.990min (-0.002) 1123.01ng m

response 819126

Ion	Exp%	Act%
180.00	100	100
182.00	76.60	94.42
145.00	0.00	32.83#
0.00	0.00	0.00

After CS
11-12-13
wrong peak

Quantitation Report (Not Reviewed)

Data Path : E:\data\111213\
Data File : 2K.D
Acq On : 12 Nov 2013 1:23 pm
Operator : CS
Sample : ICAL2K
Misc :
ALS Vial : 18 Sample Multiplier: 1

Quant Time: Nov 12 14:21:44 2013
Quant Method : C:\MSDCHEM\1\METHODS\METHODS\070113VAPOR.M
Quant Title : 8260 SV for volatile organic compounds GC/MS #3
QLast Update : Wed Nov 06 16:58:25 2013
Response via : Initial Calibration
InstName : GC MS #3

Internal Standards	R.T.	QIon	Response	Conc Units	Dev(Min)
1) Fluorobenzene	4.73	96	201917	50.00 ng	0.00
43) Chlorobenzene-D5	7.01	82	67985	50.00 ng	0.07
54) 1,4-Dichlorobenzene-d4	8.83	152	66827	50.00 ng	0.00
77) TBA-d9	3.10	65	29905	1000.00 ng	0.00
System Monitoring Compounds					
24) Dibromofluoromethane	4.41	113	55725	72.14 ng	0.15
Spiked Amount 50.000	Range 75 - 125		Recovery = 144.28%#		
27) 1,2-Dichloroethane-d4	4.55	65	65087	129.99 ng	0.05
Spiked Amount 50.000	Range 62 - 139		Recovery = 259.98%#		
37) Toluene-d8	5.84	98	2151	0.59 ng	0.00
Spiked Amount 50.000	Range 75 - 125		Recovery = 1.18%#		
55) 4-Bromofluorobenzene	7.86	174	1111	1.14 ng	0.00
Spiked Amount 50.000	Range 75 - 125		Recovery = 2.28%#		

Target Compounds					Qvalue
2) 1,1-Difluoroethane	1.55	65	1036894	1630.25 ng	83
3) Dichlorodifluoromethane	1.59	85	2274084	1689.46 ng	92
4) Chloromethane	1.75	50	2439815	1849.22 ng	90
5) Vinyl Chloride	1.85	62	2266408	1758.36 ng	96
6) Bromomethane	2.11	94	665290	827.89 ng	95
7) Chloroethane	2.19	64	1142428	1618.22 ng	99
8) Trichlorofluoromethane	2.40	101	2852297	1698.95 ng	100
9) 1,1-Dichloroethene	2.78	96	1678563	1627.84 ng #	89
10) Freon-113	2.77	101	1875009	1638.35 ng	85
11) acetone	2.72	43	109	1.54 ng	100
12) Methylene Chloride	3.10	84	1543809	1872.11 ng #	95
13) MTBE*	3.29	73	2548939	2411.50 ng	100
14) trans-1,2-Dichloroethene	3.29	96	1959240	1798.49 ng	91
15) Diisopropyl ether*	3.60	45	4637268	2446.83 ng	96
16) 1,1-Dichloroethane	3.71	63	912	0.60 ng	100
17) Ethyl-t-butyl ether*	3.84	59	4031696	2575.67 ng	97
18) 2,2-Dichloropropane	3.96	77	2753608	2068.52 ng	100
19) 2-Butanone	3.94	72	766937	27741.40 ng #	56
20) cis-1,2-Dichloroethene	3.96	96	1938907	1874.73 ng #	86
21) Chloroform	4.15	83	2831067	1844.33 ng	79
22) Bromochloromethane	4.12	128	789701	2081.16 ng #	78
23) 1,1,1-Trichloroethane	4.31	97	3056349	1964.62 ng #	100
25) 1,1-Dichloropropene	4.41	75	2656648	1941.54 ng #	100
26) Carbon Tetrachloride	4.43	117	2731334	1972.76 ng	97
28) 1,2-Dichloroethane	4.55	62	1531419	2746.49 ng	99
29) TAME* (2-methoxy-2-methylb	4.60	73	3186074	2451.32 ng	92
30) Benzene*	4.56	78	6223596	1633.80 ng	85
31) Trichloroethene	4.98	95	2176932	1958.64 ng #	70
32) 1,2-Dichloropropane	5.13	63	1790749	2445.11 ng	97
33) Bromodichloromethane	5.31	83	1969177	2227.82 ng	94
34) Dibromomethane	5.22	93	680974	2363.12 ng	95
35) cis-1,3-Dichloropropene	5.62	75	2404374	2396.64 ng	95
36) Methyl Isobutyl Ketone	5.71	43	6363286	26821.58 ng #	100
38) Toluene*	5.89	92	4861617	1694.50 ng	80
39) trans-1,3-Dichloropropene	6.01	75	1878379	2610.53 ng	100
40) 1,1,2-Trichloroethane	6.16	83	854478	2305.89 ng #	61
41) 2-Hexanone	6.31	43	4346725	28254.72 ng #	85

Quantitation Report (Not Reviewed)

Data Path : E:\data\111213\
Data File : 2K.D
Acq On : 12 Nov 2013 1:23 pm
Operator : CS
Sample : ICAL2K
Misc :
ALS Vial : 18 Sample Multiplier: 1

Quant Time: Nov 12 14:21:44 2013
Quant Method : C:\MSDCHEM\1\METHODS\METHODS\070113VAPOR.M
Quant Title : 8260 SV for volatile organic compounds GC/MS #3
QLast Update : Wed Nov 06 16:58:25 2013
Response via : Initial Calibration
InstName : GC MS #3

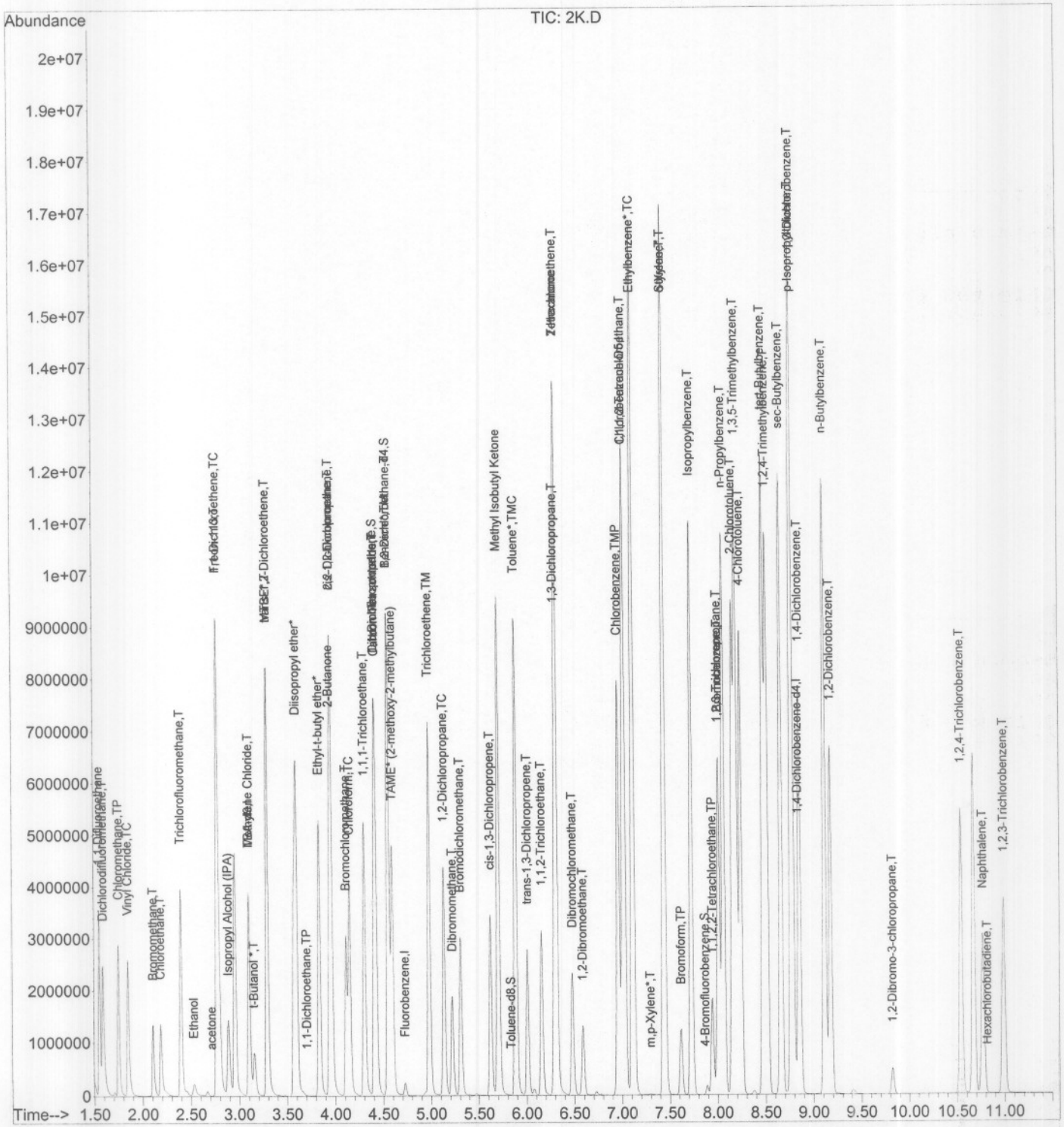
Internal Standards	R.T.	QIon	Response	Conc Units		Dev(Min)
42) 1,2-Dibromoethane	6.59	107	1010315	2444.16 ng		93
44) 1,3-Dichloropropane	6.29	76	1633819	2161.52 ng	#	100
45) Tetrachloroethene	6.31	164	1976751	1782.07 ng		94
46) Dibromochloromethane	6.48	129	1395314	2350.58 ng		100
47) Chlorobenzene	6.96	112	5083553	1847.65 ng		89
48) Ethylbenzene*	7.12	106	6660626	4085.87 ng	#	15
49) 1,1,1,2-Tetrachloroethane	7.01	131	1784144	2008.99 ng	#	97
50) m,p-Xylene*	7.30	106	391	0.19 ng		93
51) o-Xylene*	7.44	106	3607278	1818.69 ng	#	75
52) Styrene	7.45	104	5082598	1815.16 ng		62
53) Bromoform	7.62	173	714809	2557.53 ng		99
56) Isopropylbenzene	7.73	105	7955378	1684.34 ng		91
57) 1,1,2,2-Tetrachloroethane	7.95	83	1103850	2502.68 ng		99
58) 1,2,3-Trichloropropane	8.00	75	985022	2486.54 ng		91
59) n-Propylbenzene	8.06	91	9135016	1636.36 ng		77
60) Bromobenzene	8.01	156	2200993	2095.61 ng	#	54
61) 1,3,5-Trimethylbenzene	8.20	105	7027188	1718.19 ng		83
62) 2-Chlorotoluene	8.16	91	6855086	1894.19 ng		78
63) 4-Chlorotoluene	8.24	91	6134028	1905.97 ng		80
64) tert-Butylbenzene	8.48	119	8226810	1855.33 ng		79
65) 1,2,4-Trimethylbenzene	8.52	105	6747406	1740.33 ng		98
66) sec-Butylbenzene	8.66	105	9171794	1504.67 ng		69
67) p-Isopropyltoluene	8.77	119	7941820	1584.77 ng	#	100
68) 1,3-Dichlorobenzene	8.79	146	4343246	1822.63 ng		85
69) 1,4-Dichlorobenzene	8.86	146	4247376	1898.42 ng		93
70) n-Butylbenzene	9.11	91	7313234	1780.95 ng		72
71) 1,2-Dichlorobenzene	9.18	146	3807551	1996.64 ng		82
72) 1,2-Dibromo-3-chloropropan	9.82	75	157557	2868.95 ng		83
73) 1,2,4-Trichlorobenzene	10.54	180	2409214	2289.79 ng	#	92
74) Hexachlorobutadiene	10.82	225	552	0.83 ng		97
75) Naphthalene	10.77	128	3550844	2418.85 ng		100
76) 1,2,3-Trichlorobenzene	10.99	180	1817384	2398.74 ng	#	76
78) Ethanol	2.53	45	299070	76454.41 ng		98
79) Isopropyl Alcohol (IPA)	2.89	45	1956351	101996.90 ng		99
80) t-Butanol *	3.16	59	790144	24795.99 ng		97

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

Quantitation Report (Not Reviewed)

Data Path : E:\data\111213\
Data File : 2K.D
Acq On : 12 Nov 2013 1:23 pm
Operator : CS
Sample : ICAL2K
Misc :
ALS Vial : 18 Sample Multiplier: 1

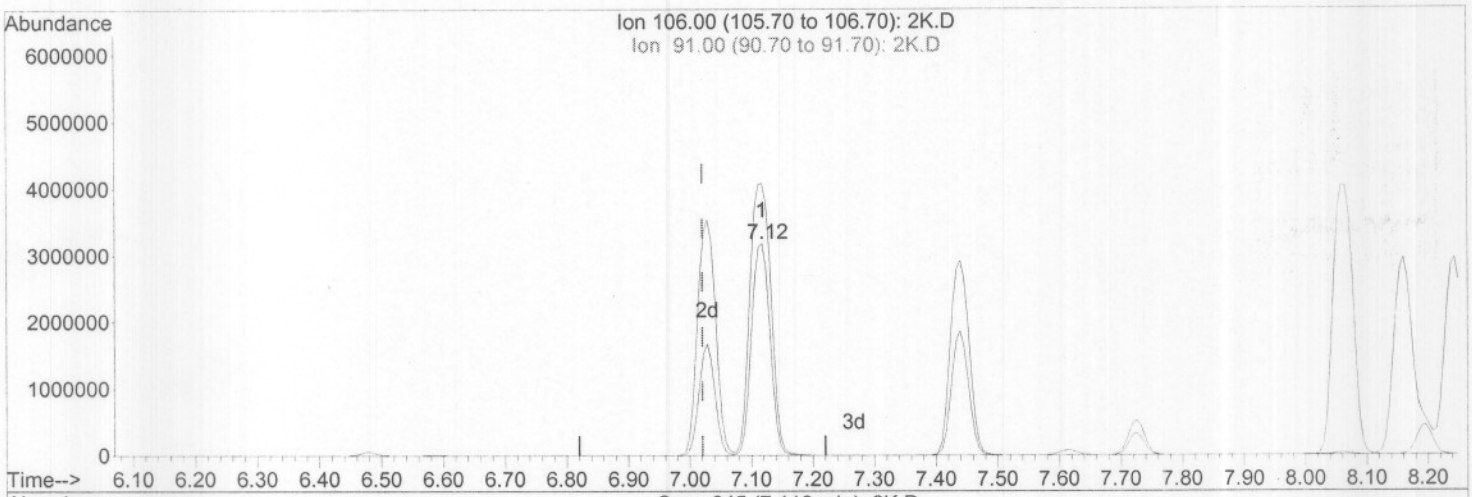
Quant Time: Nov 12 14:21:44 2013
Quant Method : C:\MSDCHEM\1\METHODS\METHODS\070113VAPOR.M
Quant Title : 8260 SV for volatile organic compounds GC/MS #3
QLast Update : Wed Nov 06 16:58:25 2013
Response via : Initial Calibration
InstName : GC MS #3

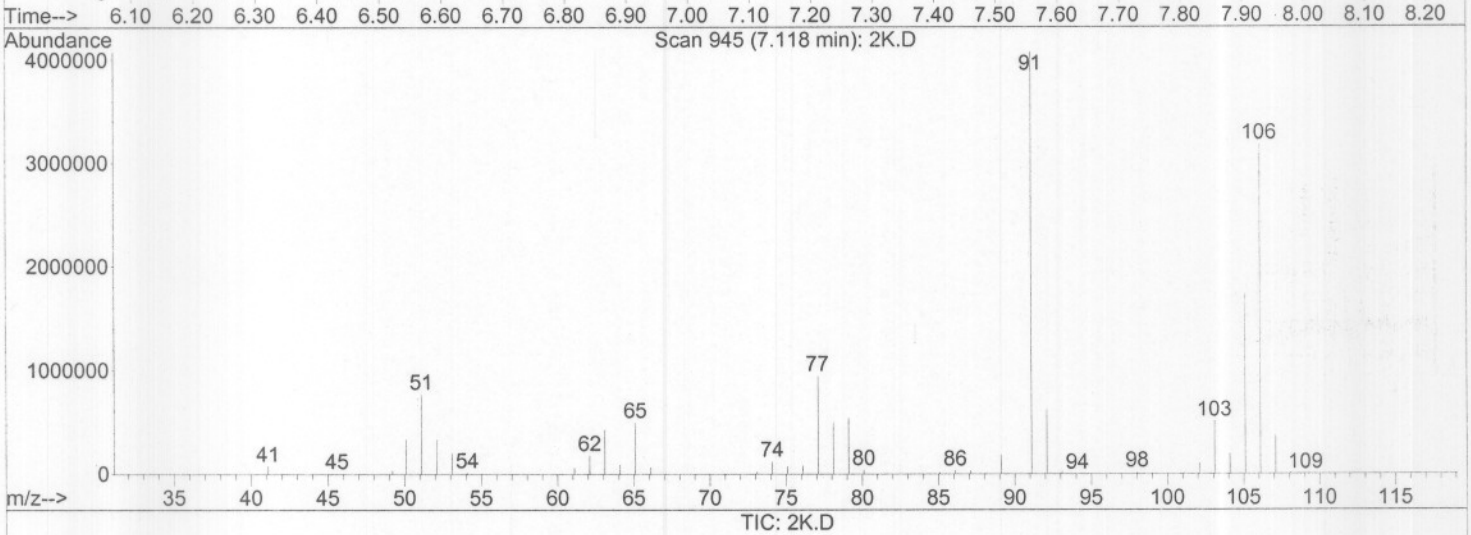


Quantitation Report (Qedit)

Data Path : E:\data\111213\
Data File : 2K.D
Acq On : 12 Nov 2013 1:23 pm
Operator : CS
Sample : ICAL2K
Misc :
ALS Vial : 18 Sample Multiplier: 1

Quant Time: Nov 12 14:21:44 2013
Quant Method : C:\MSDCHEM\1\METHODS\METHODS\070113VAPOR.M
Quant Title : 8260 SV for volatile organic compounds GC/MS #3
QLast Update : Wed Nov 06 16:58:25 2013
Response via : Initial Calibration
InstName : GC MS #3





TIC: 2K.D

(48) Ethylbenzene* (TC)

7.118min (+0.097) 4085.87ng

response 6660626

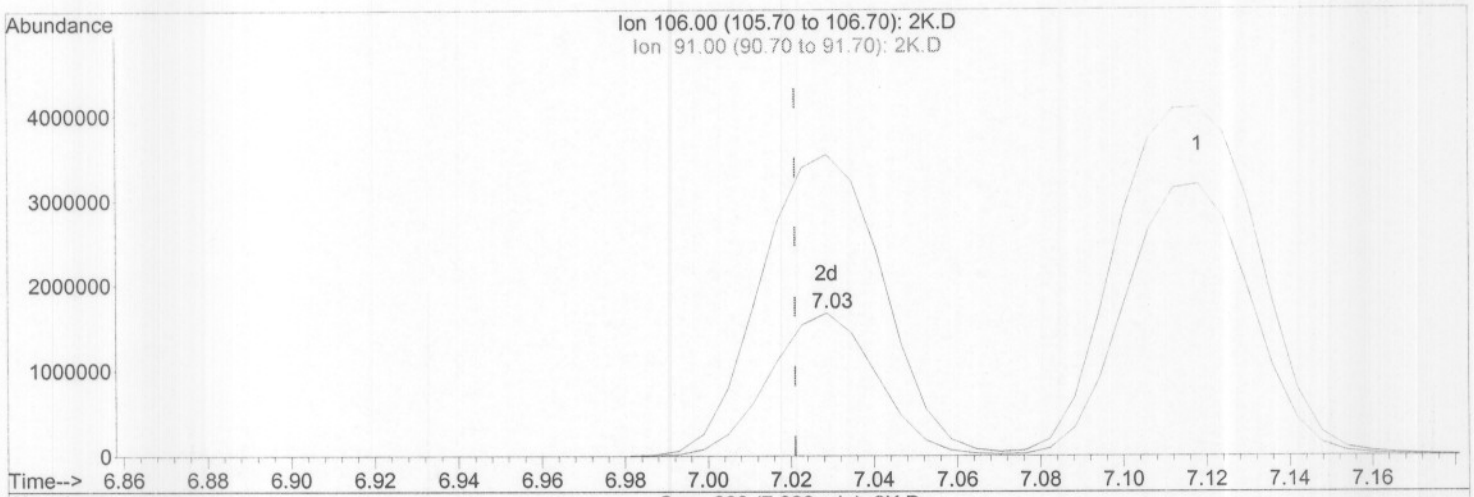
Ion	Exp%	Act%
106.00	100	100
91.00	291.30	128.28#
0.00	0.00	0.00
0.00	0.00	0.00

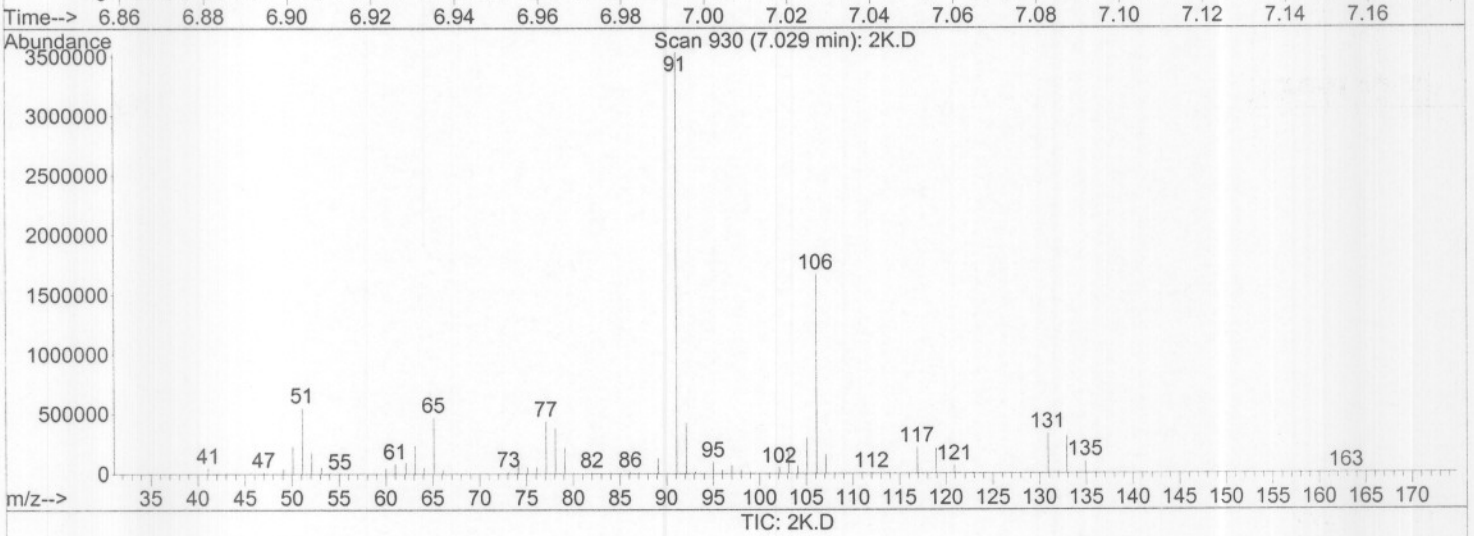
Before CS
11-12-13
wrong peak

Quantitation Report (Qedit)

Data Path : E:\data\111213\
Data File : 2K.D
Acq On : 12 Nov 2013 1:23 pm
Operator : CS
Sample : ICAL2K
Misc :
ALS Vial : 18 Sample Multiplier: 1

Quant Time: Nov 12 14:21:44 2013
Quant Method : C:\MSDCHEM\1\METHODS\METHODS\070113VAPOR.M
Quant Title : 8260 SV for volatile organic compounds GC/MS #3
QLast Update : Wed Nov 06 16:58:25 2013
Response via : Initial Calibration
InstName : GC MS #3





TIC: 2K.D

(48) Ethylbenzene* (TC)

7.029min (+0.008) 1849.41ng m

response 3014839

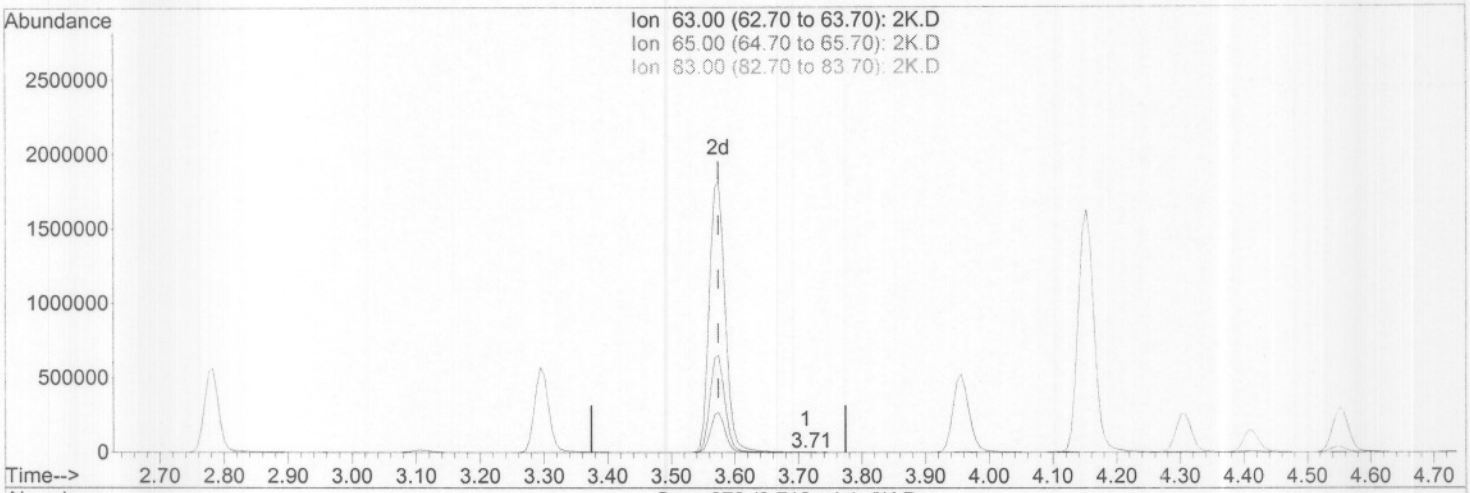
Ion	Exp%	Act%
106.00	100	100
91.00	291.30	211.37#
0.00	0.00	0.00
0.00	0.00	0.00

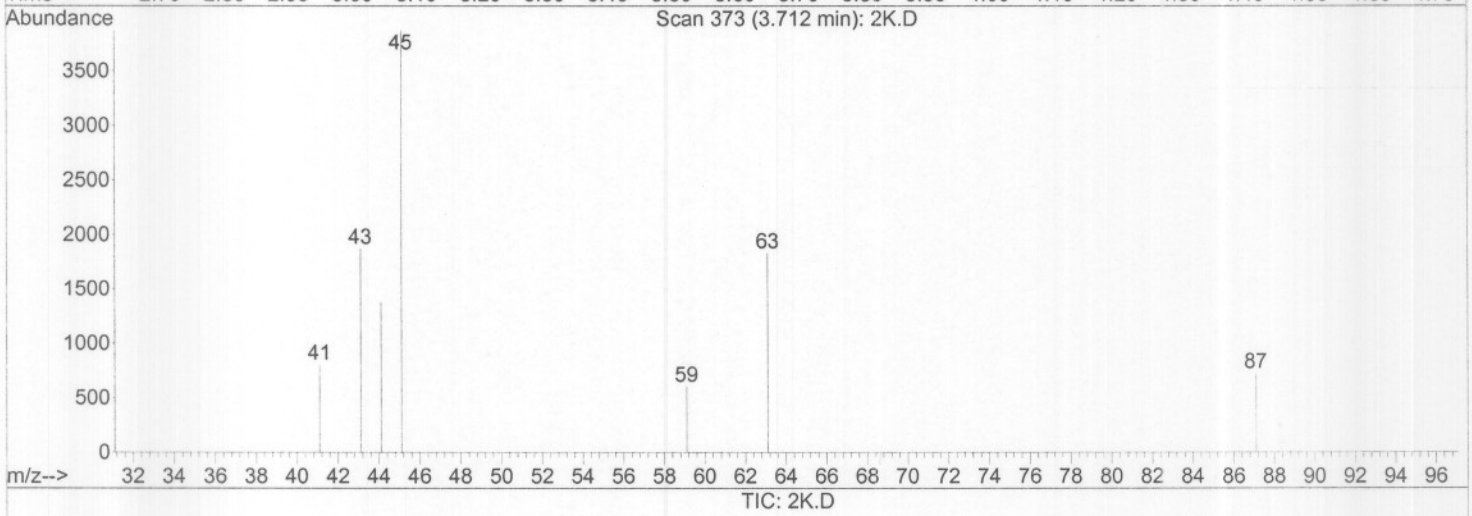
After CS
11-12-13
wrong peak

Quantitation Report (Qedit)

Data Path : E:\data\111213\
Data File : 2K.D
Acq On : 12 Nov 2013 1:23 pm
Operator : CS
Sample : ICAL2K
Misc :
ALS Vial : 18 Sample Multiplier: 1

Quant Time: Nov 13 12:37:41 2013
Quant Method : C:\MSDCHEM\1\METHODS\METHODS\070113VAPOR.M
Quant Title : 8260 SV for volatile organic compounds GC/MS #3
QLast Update : Wed Nov 06 16:58:25 2013
Response via : Initial Calibration
InstName : GC MS #3





TIC: 2K.D

(16) 1,1-Dichloroethane (TP)

3.712min (+0.137) 0.60ng

response 912

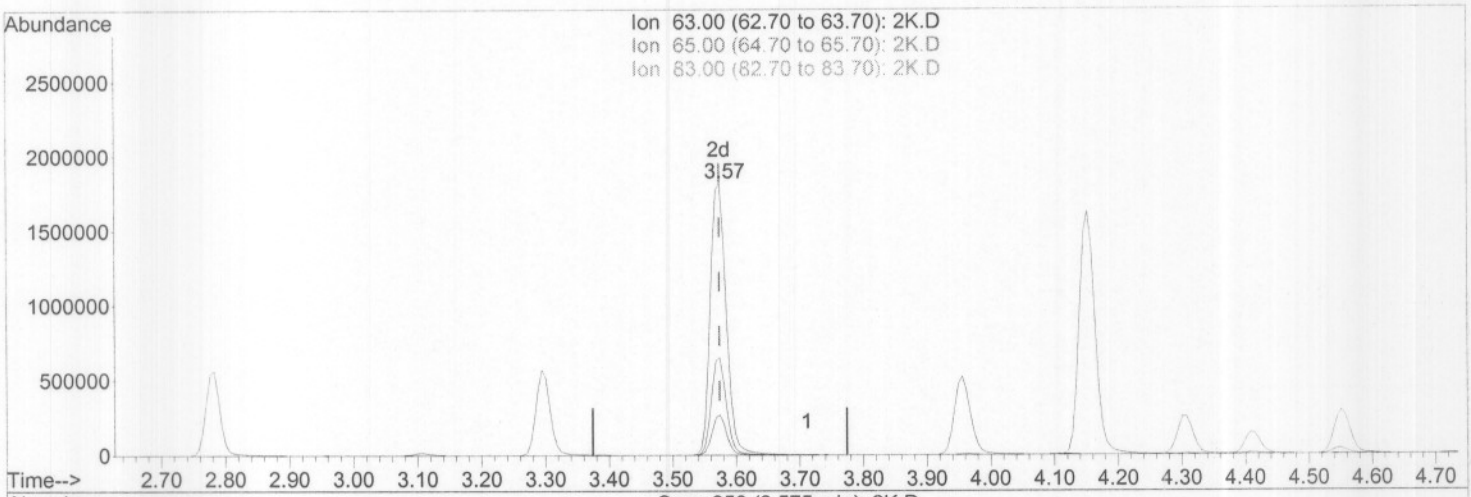
Ion	Exp%	Act%
63.00	100	100
65.00	0.00	0.00
83.00	0.00	0.00
0.00	0.00	0.00

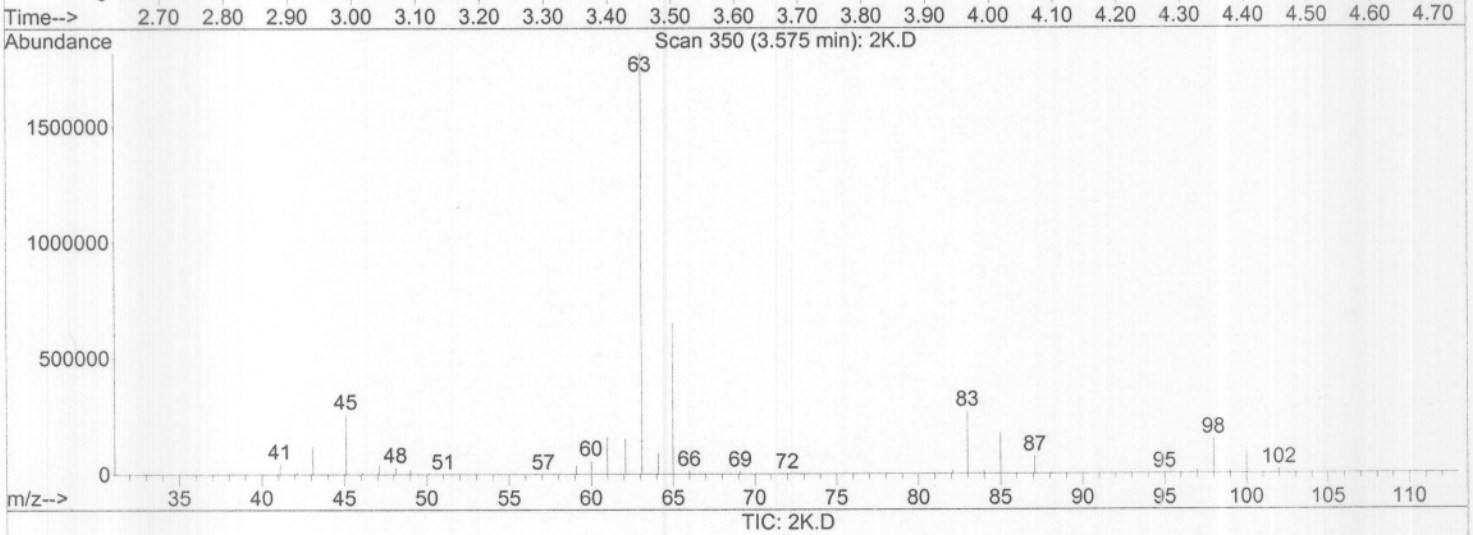
Before S
11-12-13
wrong peak

Quantitation Report (Qedit)

Data Path : E:\data\111213\
Data File : 2K.D
Acq On : 12 Nov 2013 1:23 pm
Operator : CS
Sample : ICAL2K
Misc :
ALS Vial : 18 Sample Multiplier: 1

Quant Time: Nov 13 12:37:41 2013
Quant Method : C:\MSDCHEM\1\METHODS\METHODS\070113VAPOR.M
Quant Title : 8260 SV for volatile organic compounds GC/MS #3
QLast Update : Wed Nov 06 16:58:25 2013
Response via : Initial Calibration
InstName : GC MS #3





TIC: 2K.D

(16) 1,1-Dichloroethane (TP)

3.575min (-0.000) 2079.96ng m

response 3172888

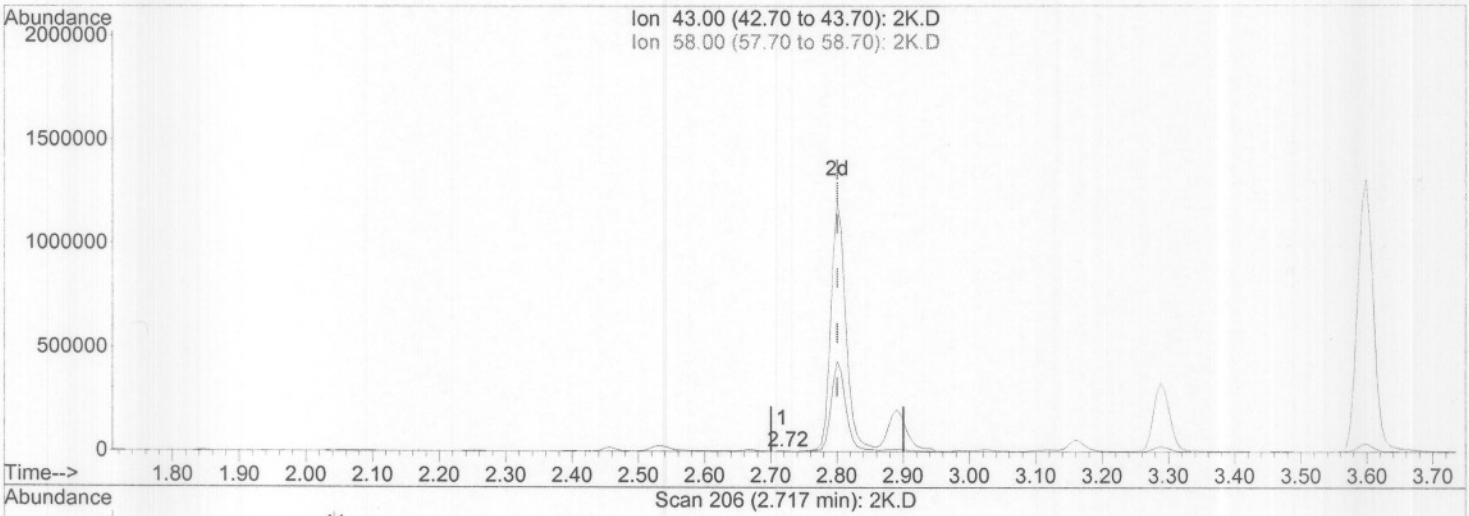
Ion	Exp%	Act%
63.00	100	100
65.00	0.00	35.74#
83.00	0.00	14.78
0.00	0.00	0.00

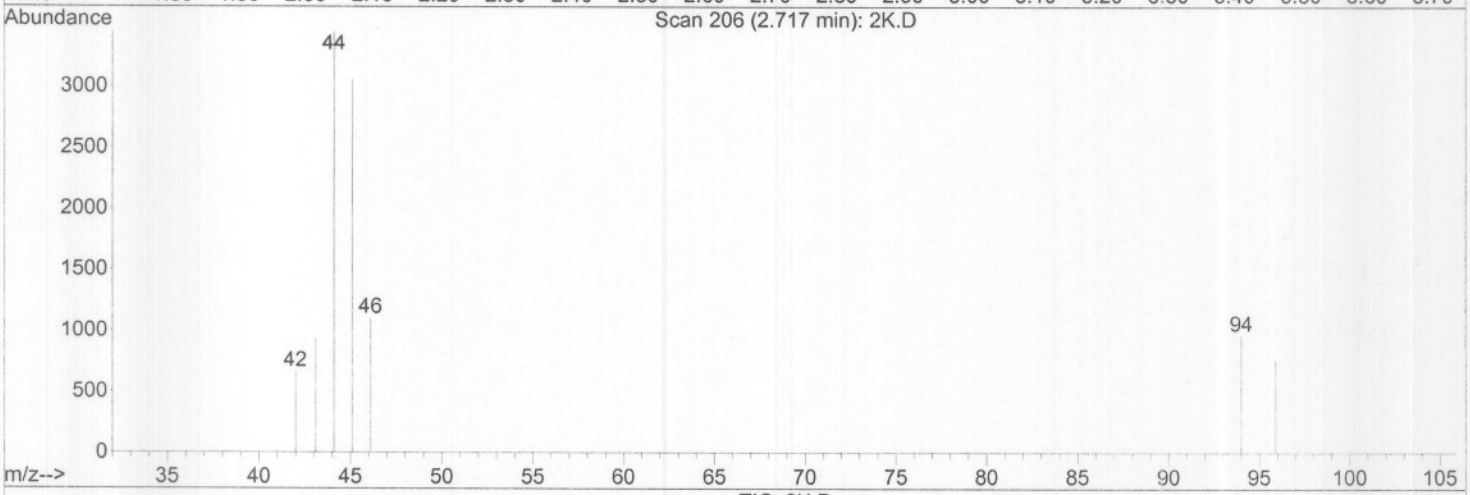
After CS
11-12-13
wrong peak

Quantitation Report (Qedit)

Data Path : E:\data\111213\
Data File : 2K.D
Acq On : 12 Nov 2013 1:23 pm
Operator : CS
Sample : ICAL2K
Misc :
ALS Vial : 18 Sample Multiplier: 1

Quant Time: Nov 13 12:42:41 2013
Quant Method : C:\MSDCHEM\1\METHODS\METHODS\070113VAPOR.M
Quant Title : 8260 SV for volatile organic compounds GC/MS #3
QLast Update : Wed Nov 06 16:58:25 2013
Response via : Initial Calibration
InstName : GC MS #3





TIC: 2K.D

(11) acetone

2.717min (-0.084) 1.54ng

response 109

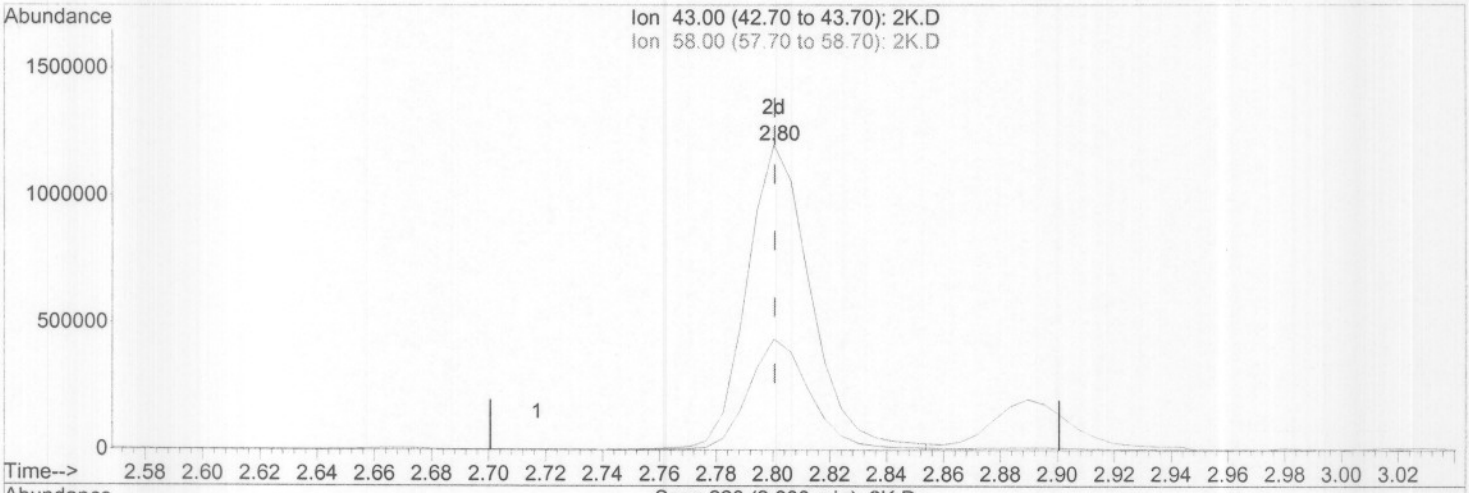
Ion	Exp%	Act%
43.00	100	100
58.00	0.00	0.00
0.00	0.00	0.00
0.00	0.00	0.00

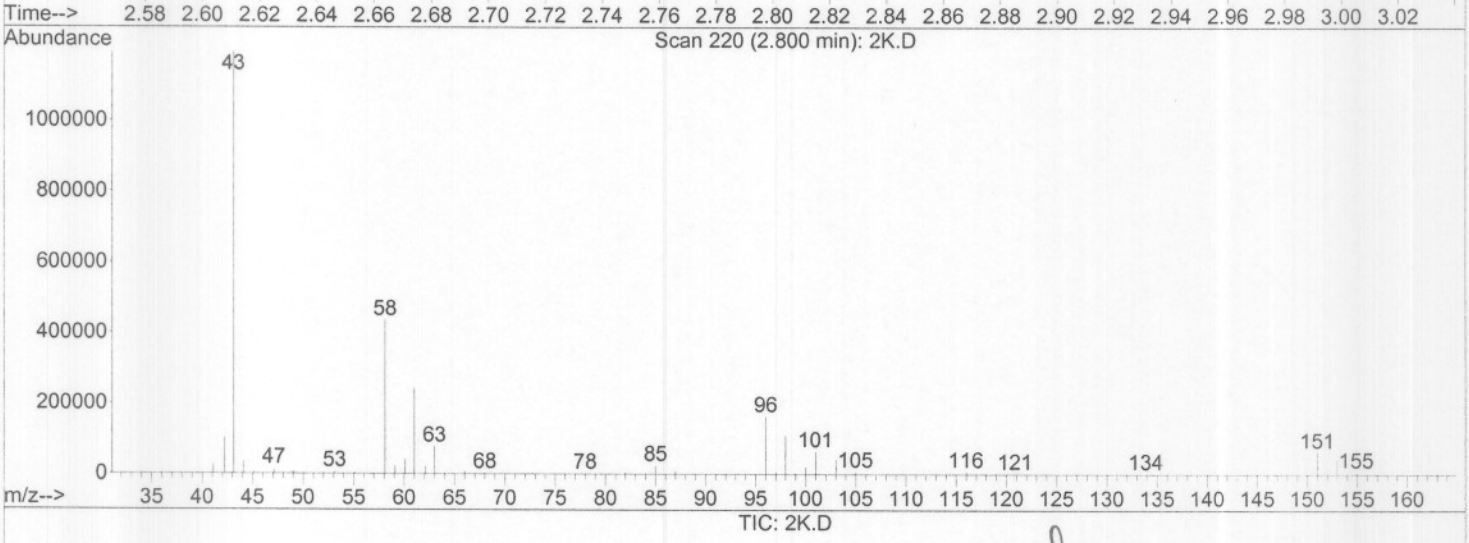
Before CF
11-12-13
wrong peak

Quantitation Report (Qedit)

Data Path : E:\data\111213\
Data File : 2K.D
Acq On : 12 Nov 2013 1:23 pm
Operator : CS
Sample : ICAL2K
Misc :
ALS Vial : 18 Sample Multiplier: 1

Quant Time: Nov 13 12:42:41 2013
Quant Method : C:\MSDCHEM\1\METHODS\METHODS\070113VAPOR.M
Quant Title : 8260 SV for volatile organic compounds GC/MS #3
QLast Update : Wed Nov 06 16:58:25 2013
Response via : Initial Calibration
InstName : GC MS #3





(11) acetone

2.800min (-0.000) 26640.57ng m

response 1889741

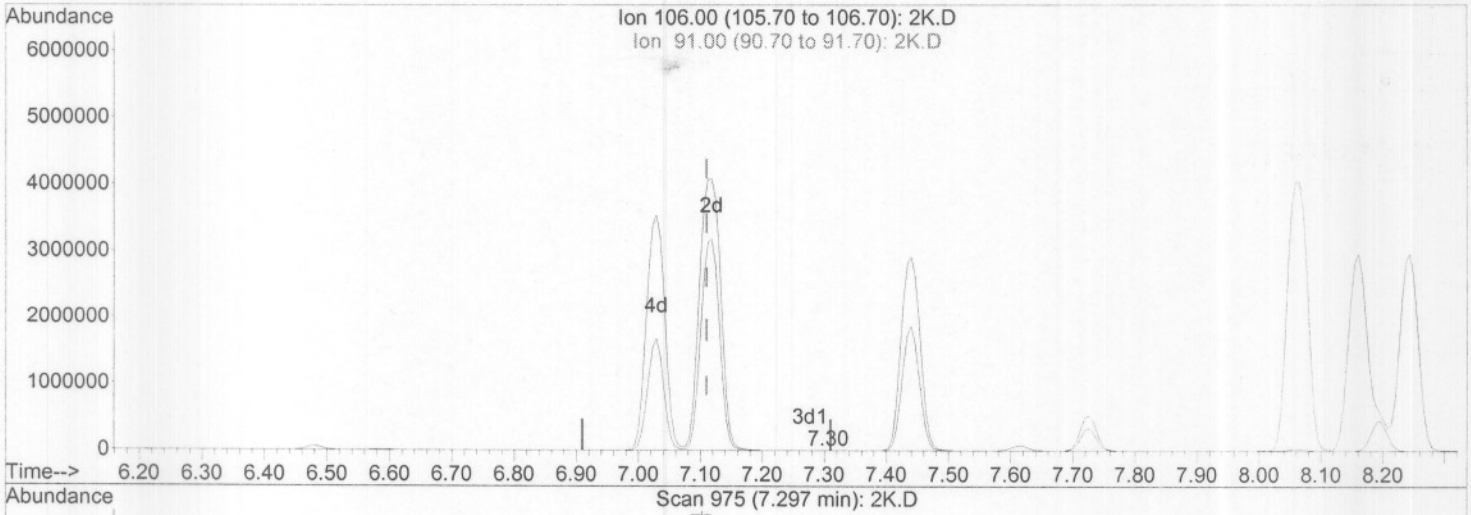
Ion	Exp%	Act%
43.00	100	100
58.00	0.00	36.36#
0.00	0.00	0.00
0.00	0.00	0.00

After CJ
11-12-13
wrong peak

Quantitation Report (Qedit)

Data Path : E:\data\111213\
Data File : 2K.D
Acq On : 12 Nov 2013 1:23 pm
Operator : CS
Sample : ICAL2K
Misc :
ALS Vial : 18 Sample Multiplier: 1

Quant Time: Nov 12 14:21:44 2013
Quant Method : C:\MSDCHEM\1\METHODS\METHODS\070113VAPOR.M
Quant Title : 8260 SV for volatile organic compounds GC/MS #3
QLast Update : Wed Nov 06 16:58:25 2013
Response via : Initial Calibration
InstName : GC MS #3



TIC: 2K.D

(50) m,p-Xylene* (T)

7.297min (+0.186) 0.19ng

response 391

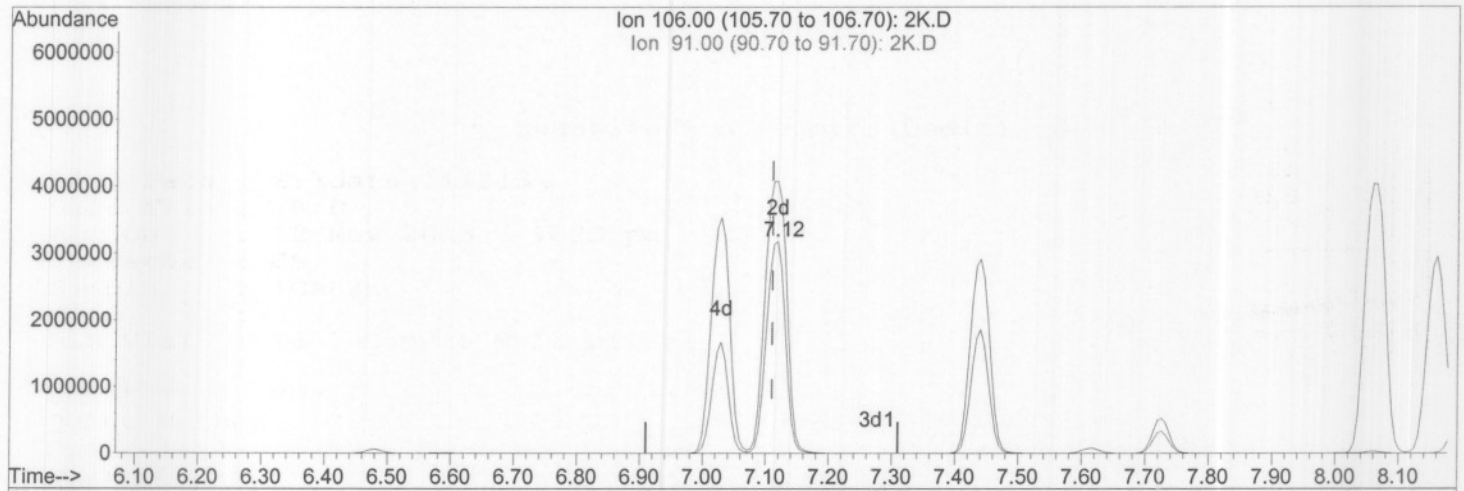
Ion	Exp%	Act%
106.00	100	100
91.00	179.00	169.31
0.00	0.00	0.00
0.00	0.00	0.00

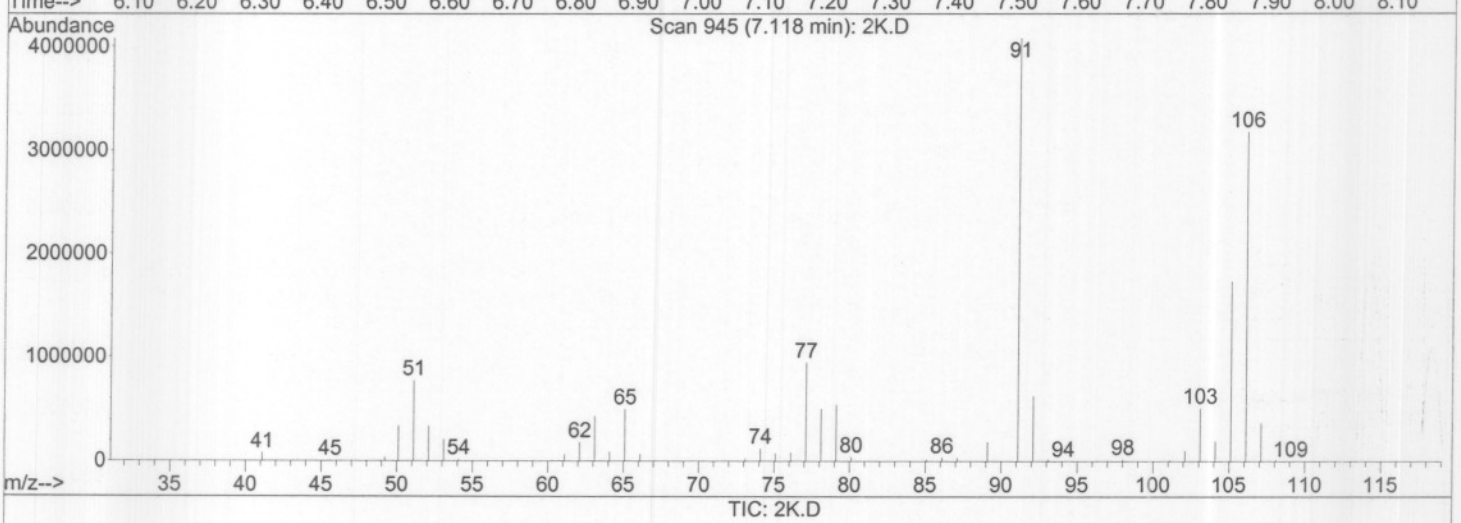
Before 9
11-12-13
wrong peak

Quantitation Report (Qedit)

Data Path : E:\data\111213\
Data File : 2K.D
Acq On : 12 Nov 2013 1:23 pm
Operator : CS
Sample : ICAL2K
Misc :
ALS Vial : 18 Sample Multiplier: 1

Quant Time: Nov 13 12:44:10 2013
Quant Method : C:\MSDCHEM\1\METHODS\METHODS\070113VAPOR.M
Quant Title : 8260 SV for volatile organic compounds GC/MS #3
QLast Update : Wed Nov 06 16:58:25 2013
Response via : Initial Calibration
InstName : GC MS #3





TIC: 2K.D

(50) m,p-Xylene* (T)

7.118min (+0.008) 3208.43ng m

response 6655737

Ion	Exp%	Act%
106.00	100	100
91.00	179.00	128.31#
0.00	0.00	0.00
0.00	0.00	0.00

After 9
11-12-13
wrong peak

Quantitation Report (Not Reviewed)

Data Path : E:\data\111313\
Data File : 2nd SRC CCV3.D
Acq On : 13 Nov 2013 12:57 pm
Operator : CS
Sample : 50ug/ml CCV
Misc :
ALS Vial : 5 Sample Multiplier: 1

Ok High #13 + 75

Quant Time: Nov 13 13:36:11 2013
Quant Method : C:\MSDCHEM\1\METHODS\METHODS\111213VAPOR.M
Quant Title : 8260 SV for volatile organic compounds GC/MS #3
QLast Update : Wed Nov 13 13:17:48 2013
Response via : Initial Calibration
InstName : GC MS #3

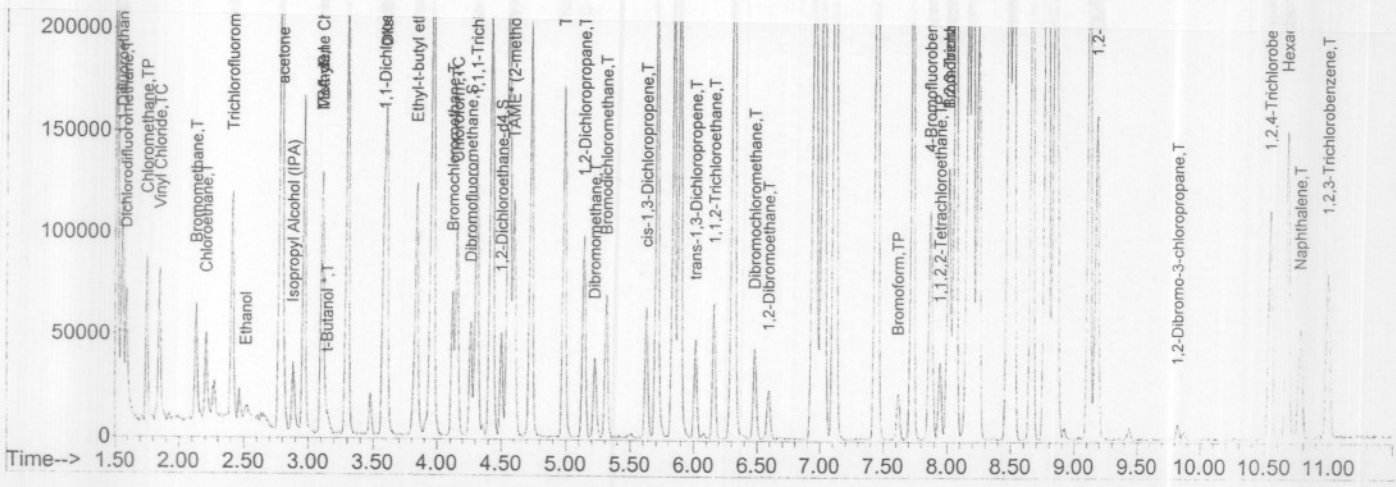
Internal Standards	R.T.	QIon	Response	Conc Units	Dev(Min)
1) Fluorobenzene	4.73	96	165236	50.00 ng	0.00
43) Chlorobenzene-D5	6.94	82	57200	50.00 ng	0.00
54) 1,4-Dichlorobenzene-d4	8.83	152	56849	50.00 ng	0.00
77) TBA-d9	3.10	65	26771	1000.00 ng	0.00
System Monitoring Compounds					
24) Dibromofluoromethane	4.26	113	30895	49.34 ng	0.00
Spiked Amount 50.000	Range 75 - 125		Recovery = 98.68%		
27) 1,2-Dichloroethane-d4	4.50	65	30519	52.00 ng	0.00
Spiked Amount 50.000	Range 62 - 139		Recovery = 104.00%		
37) Toluene-d8	5.84	98	153505	53.60 ng	0.00
Spiked Amount 50.000	Range 75 - 125		Recovery = 107.20%		
55) 4-Bromofluorobenzene	7.86	174	39855	49.74 ng	0.00
Spiked Amount 50.000	Range 75 - 125		Recovery = 99.48%		

Target Compounds					Qvalue
2) 1,1-Difluoroethane	1.55	65	24726	46.16 ng	90
3) Dichlorodifluoromethane	1.59	85	49201	41.57 ng	96
4) Chloromethane	1.75	50	57090	40.50 ng	98
5) Vinyl Chloride	1.85	62	54497	50.44 ng	99
6) Bromomethane	2.13	94	32101	48.80 ng	95
7) Chloroethane	2.21	64	29147	44.93 ng	93
8) Trichlorofluoromethane	2.41	101	74365	47.30 ng	98
9) 1,1-Dichloroethene	2.79	96	47249	57.13 ng	92
10) Freon-113	2.78	101	53371	54.81 ng	98
11) acetone	2.80	43	52243	305.57 ng	98
12) Methylene Chloride	3.11	84	35558	50.54 ng	94
13) MTBE*	3.29	73	60090	62.25 ng	99
14) trans-1,2-Dichloroethene	3.30	96	51077	57.48 ng	92
15) Diisopropyl ether*	3.60	45	118445	56.75 ng	98
16) 1,1-Dichloroethane	3.58	63	79367	50.88 ng	99
17) Ethyl-t-butyl ether*	3.84	59	92676	53.22 ng	99
18) 2,2-Dichloropropane	3.97	77	72968	55.51 ng	97
19) 2-Butanone	3.95	72	14186	518.44 ng	87
20) cis-1,2-Dichloroethene	3.96	96	46323	53.40 ng	96
21) Chloroform	4.16	83	71057	52.55 ng	92
22) Bromochloromethane	4.12	128	17694	53.28 ng	90
23) 1,1,1-Trichloroethane	4.31	97	79189	53.66 ng	95
25) 1,1-Dichloropropene	4.41	75	64287	54.11 ng	93
26) Carbon Tetrachloride	4.43	117	72824	49.92 ng	100
28) 1,2-Dichloroethane	4.55	62	40564	58.77 ng	92
29) TAME* (2-methoxy-2-methylb	4.60	73	65803	58.80 ng	97
30) Benzene*	4.55	78	179413	54.32 ng	95
31) Trichloroethene	4.98	95	49575	52.18 ng	89
32) 1,2-Dichloropropane	5.14	63	36961	49.64 ng	97
33) Bromodichloromethane	5.31	83	43777	53.80 ng	96
34) Dibromomethane	5.22	93	14077	54.47 ng	98
35) cis-1,3-Dichloropropene	5.63	75	44790	53.06 ng	87
36) Methyl Isobutyl Ketone	5.70	43	173692	581.16 ng	98
38) Toluene*	5.89	92	133692	54.98 ng	97
39) trans-1,3-Dichloropropene	6.01	75	34606	52.47 ng	97
40) 1,1,2-Trichloroethane	6.16	83	17087	52.15 ng	90
41) 2-Hexanone	6.31	43	110398	567.56 ng #	99

Quantitation Report (Not Reviewed)

Data Path : E:\data\111313\
Data File : 2nd SRC CCV3.D
Acq On : 13 Nov 2013 12:57 pm
Operator : CS
Sample : 50ug/ml CCV
Misc :
ALS Vial : 5 Sample Multiplier: 1

Quant Time: Nov 13 13:36:11 2013
Quant Method : C:\MSDCHEM\1\METHODS\METHODS\111213VAPOR.M
Quant Title : 8260 SV for volatile organic compounds GC/MS #3
QLast Update : Wed Nov 13 13:17:48 2013
Response via : Initial Calibration
InstName : GC MS #3

Internal Standards	R.T.	QIon	Response	Conc	Units		Dev(Min)
42) 1,2-Dibromoethane	6.59	107	19378	54.08	ng		96
44) 1,3-Dichloropropane	6.29	76	36352	51.96	ng		97
45) Tetrachloroethene	6.31	164	47745	48.11	ng		97
46) Dibromochloromethane	6.48	129	27149	50.94	ng		96
47) Chlorobenzene	6.96	112	124957	51.24	ng		98
48) Ethylbenzene*	7.03	106	68991	53.67	ng		97
49) 1,1,1,2-Tetrachloroethane	7.01	131	38249	48.42	ng		99
50) m,p-Xylene*	7.11	106	185934	108.65	ng		97
51) o-Xylene*	7.44	106	81230	54.11	ng		97
52) Styrene	7.44	104	120181	55.41	ng		93
53) Bromoform	7.61	173	13564	54.11	ng		96
56) Isopropylbenzene	7.73	105	226642	59.89	ng		97
57) 1,1,2,2-Tetrachloroethane	7.94	83	21670	47.65	ng		96
58) 1,2,3-Trichloropropane	8.00	75	20559	50.26	ng		96
59) n-Propylbenzene	8.06	91	279004	55.61	ng		95
60) Bromobenzene	8.01	156	43005	47.05	ng		94
61) 1,3,5-Trimethylbenzene	8.19	105	198981	57.29	ng		96
62) 2-Chlorotoluene	8.16	91	175956	54.48	ng		91
63) 4-Chlorotoluene	8.24	91	156426	54.08	ng		93
64) tert-Butylbenzene	8.48	119	203529	54.64	ng		96
65) 1,2,4-Trimethylbenzene	8.51	105	199226	60.76	ng		94
66) sec-Butylbenzene	8.66	105	260803	54.54	ng		99
67) p-Isopropyltoluene	8.77	119	235205	59.79	ng		97
68) 1,3-Dichlorobenzene	8.79	146	115205	54.21	ng		93
69) 1,4-Dichlorobenzene	8.85	146	110646	54.88	ng		94
70) n-Butylbenzene	9.11	91	207848	59.28	ng		96
71) 1,2-Dichlorobenzene	9.18	146	89319	51.94	ng		98
72) 1,2-Dibromo-3-chloropropan	9.83	75	3038	69.15	ng		92
73) 1,2,4-Trichlorobenzene	10.54	180	47752	56.42	ng		96
74) Hexachlorobutadiene	10.68	225	36365	55.40	ng		90
75) Naphthalene	10.78	128	63364	62.32	ng		97
76) 1,2,3-Trichlorobenzene	10.99	180	38695	62.68	ng		91
78) Ethanol	2.52	45	6710	1722.84	ng	#	100
79) Isopropyl Alcohol (IPA)	2.88	45	38580	1689.44	ng	#	100
80) t-Butanol *	3.16	59	6941	116.19	ng		94

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