

Data File : VW010937.D
Acq On : 24 Jun 2019 18:34
Operator : SY/VA
Sample : K3456-23MSD
Misc : 4.71G/10ML/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
YANY8MSD

Quant Time: Jun 25 02:49:36 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\SOM2WLM062419S.M
Quant Title : VOC Analysis
QLast Update : Tue Jun 25 02:43:13 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	8.84	114	416859	25.00	ug/L	0.00
28) Chlorobenzene-d5	11.63	117	378842	25.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	13.56	152	176446	25.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	2.35	65	107096	19.82	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	79.28%
7) Chloroethane-d5	2.88	69	79891	19.18	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	76.72%
10) 1,1-Dichloroethene-d2	4.02	63	263555	20.64	ug/L	0.00
Spiked Amount	25.000	Range	45 - 110	Recovery	=	82.56%
20) 2-Butanone-d5	7.07	46	105728	41.67	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	83.34%
24) Chloroform-d	7.65	84	237046	21.09	ug/L	0.00
Spiked Amount	25.000	Range	40 - 150	Recovery	=	84.36%
26) 1,2-Dichloroethane-d4	8.31	65	154550	22.18	ug/L	0.00
Spiked Amount	25.000	Range	70 - 130	Recovery	=	88.72%
29) Benzene-d6	8.27	84	493396	21.69	ug/L	0.00
Spiked Amount	25.000	Range	20 - 135	Recovery	=	86.76%
33) 1,2-Dichloropropane-d6	9.27	67	166777	22.19	ug/L	0.00
Spiked Amount	25.000	Range	70 - 120	Recovery	=	88.76%
37) Toluene-d8	10.32	98	442957	21.58	ug/L	0.00
Spiked Amount	25.000	Range	30 - 130	Recovery	=	86.32%
38) trans-1,3-Dichloropropene-	10.58	79	67259	20.22	ug/L	0.00
Spiked Amount	25.000	Range	30 - 135	Recovery	=	80.88%
39) 2-Hexanone-d5	10.93	63	71235	42.18	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	84.36%
48) 1,1,2,2-Tetrachloroethane-	12.69	84	128758	20.79	ug/L	0.00
Spiked Amount	25.000	Range	45 - 120	Recovery	=	83.16%
61) 1,2-Dichlorobenzene-d4	13.86	152	151939	22.81	ug/L	0.00
Spiked Amount	25.000	Range	75 - 120	Recovery	=	91.24%

Target Compounds

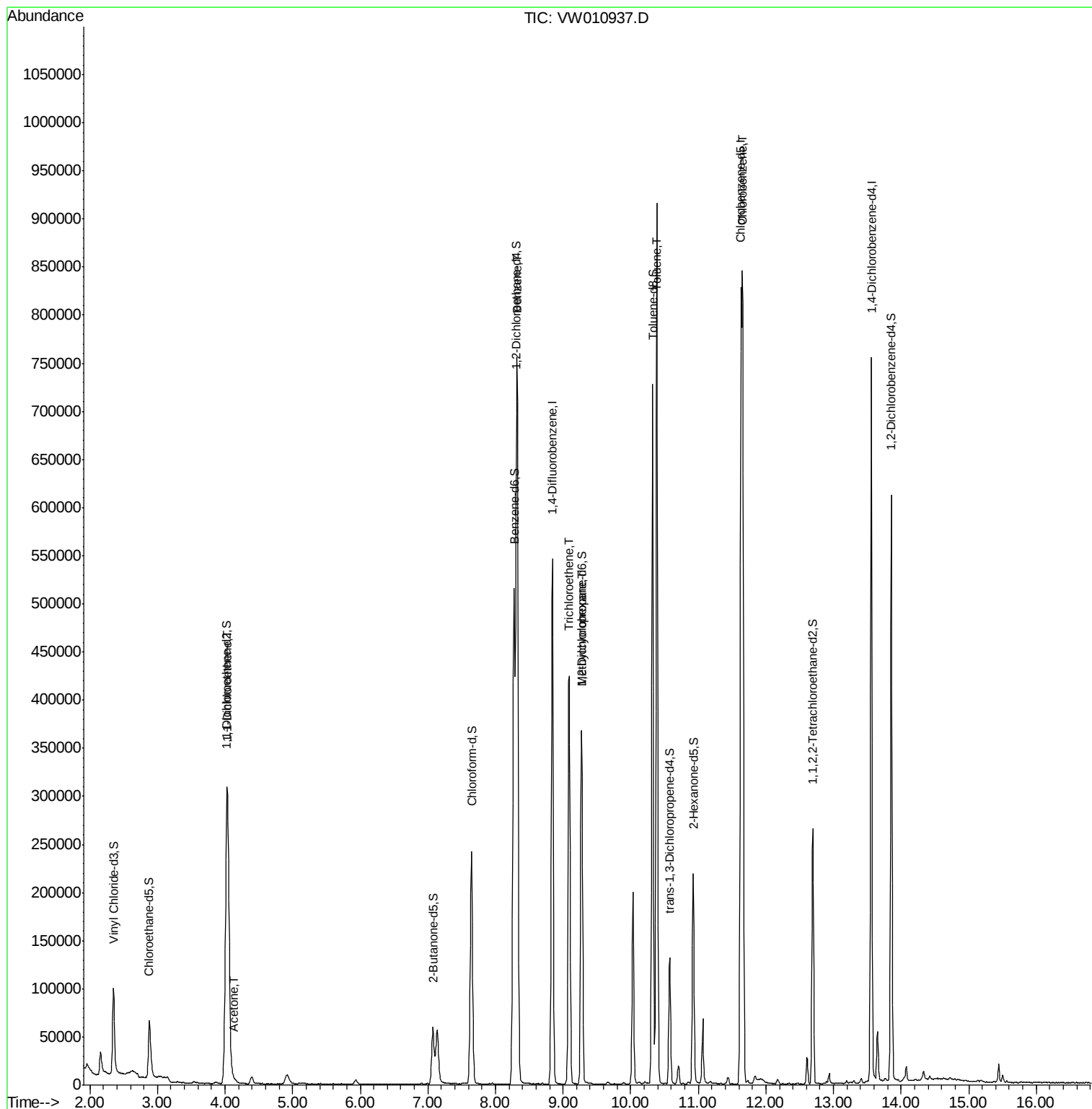
						Qvalue
12) 1,1-Dichloroethene	4.04	96	126099	21.611	ug/L	96
13) Acetone	4.13	43	4862	2.001	ug/L	91
34) Benzene	8.32	78	609980	24.502	ug/L	100
35) Trichloroethene	9.09	95	149956	23.753	ug/L	100
36) Methylcyclohexane	9.27	83	37599	3.245	ug/L #	15
44) Toluene	10.39	91	638138	24.514	ug/L	98
52) Chlorobenzene	11.66	112	380774	24.308	ug/L	100

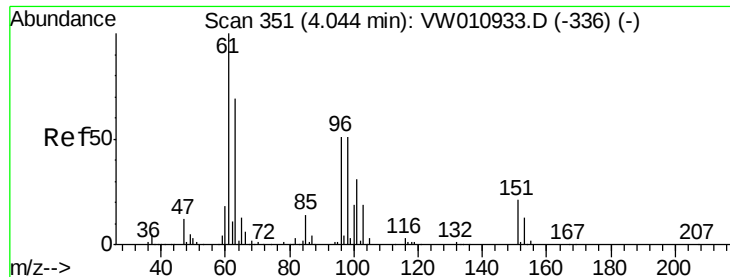
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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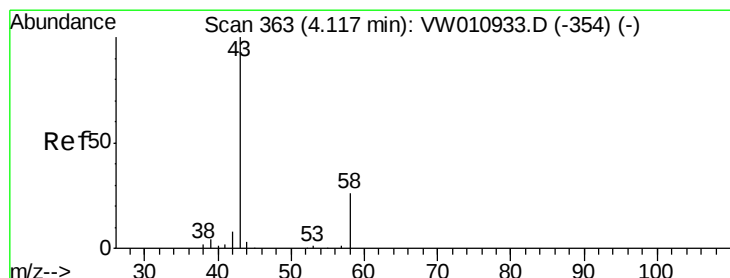
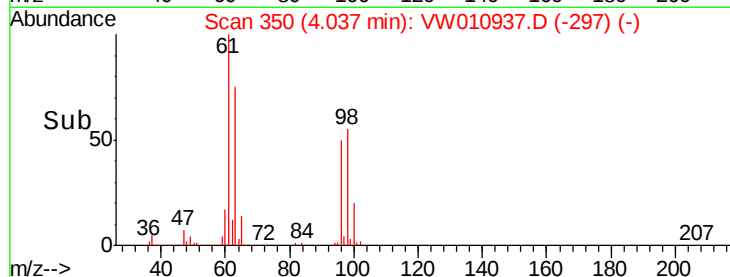
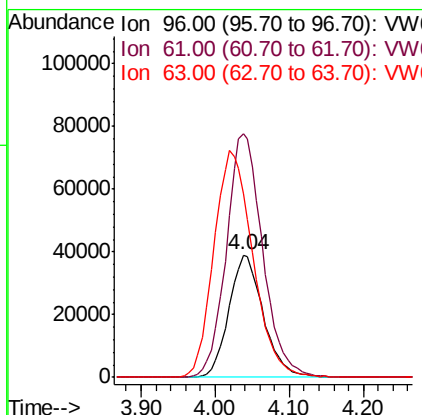
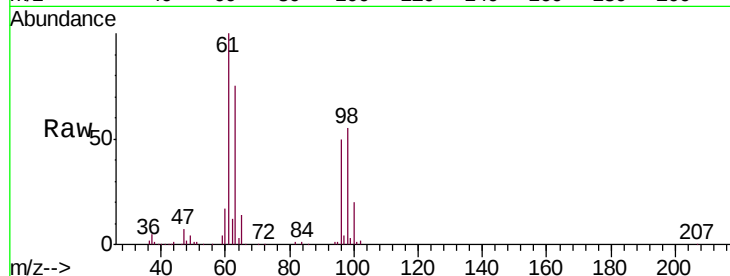




#12
 1,1-Dichloroethene
 Concen: 21.611 ug/L
 RT: 4.04 min Scan# 350
 Delta R.T. -0.01 min
 Lab File: VW010937.D
 Acq: 24 Jun 2019 18:34

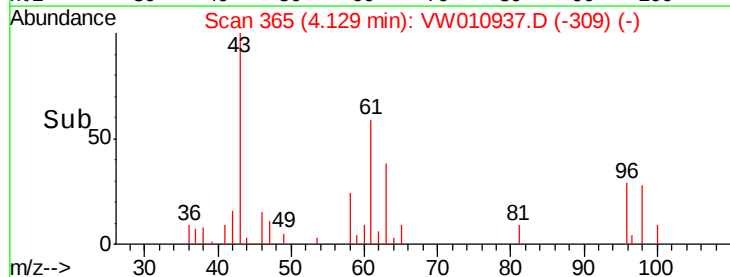
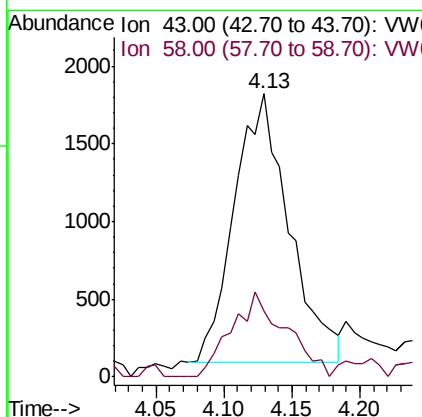
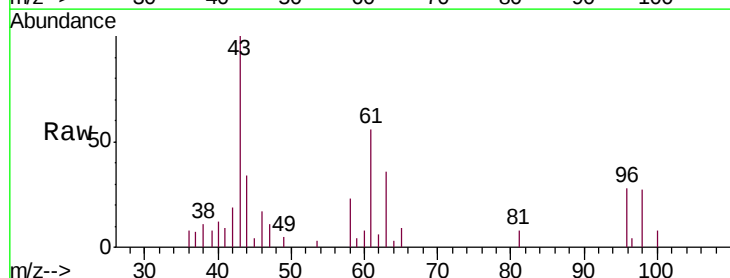
Instrument :
 MSVOA_W
 ClientSampleId :
 YANY8MSD

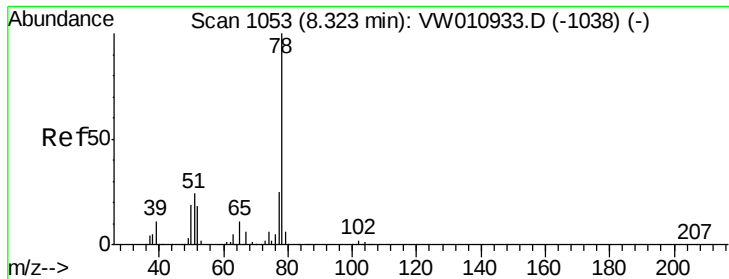
Tgt Ion: 96 Resp: 126099
 Ion Ratio Lower Upper
 96 100
 61 198.5 144.5 268.3
 63 149.5 102.3 189.9



#13
 Acetone
 Concen: 2.001 ug/L
 RT: 4.13 min Scan# 365
 Delta R.T. 0.01 min
 Lab File: VW010937.D
 Acq: 24 Jun 2019 18:34

Tgt Ion: 43 Resp: 4862
 Ion Ratio Lower Upper
 43 100
 58 31.1 0.0 53.2





#34

Benzene

Concen: 24.502 ug/L

RT: 8.32 min Scan# 1053

Delta R.T. 0.00 min

Lab File: VW010937.D

Acq: 24 Jun 2019 18:34

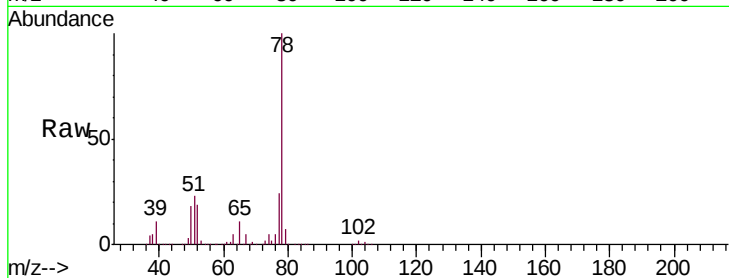
Instrument :

MSVOA_W

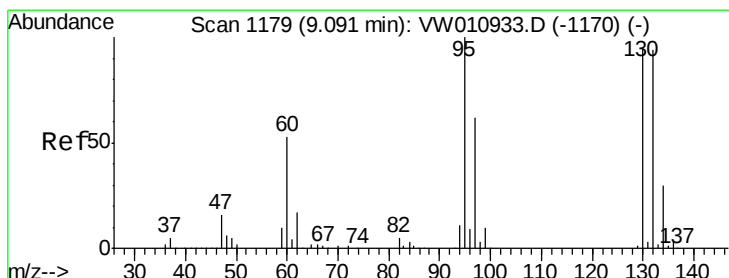
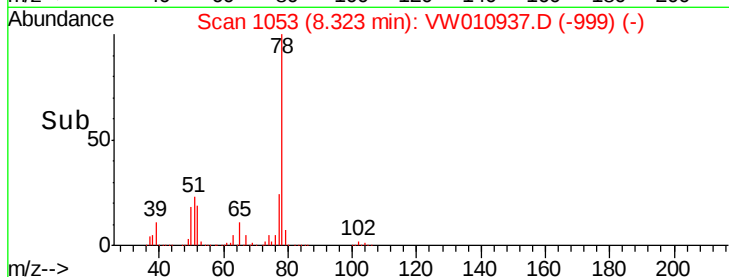
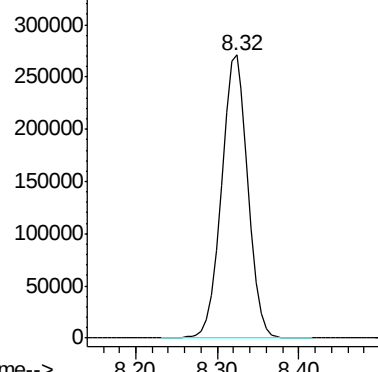
ClientSampleId :

YANY8MSD

Tgt Ion: 78 Resp: 609980



Abundance Ion 78.00 (77.70 to 78.70): VW



#35

Trichloroethene

Concen: 23.753 ug/L

RT: 9.09 min Scan# 1179

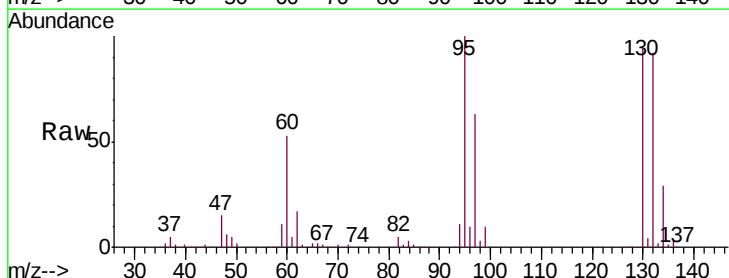
Delta R.T. 0.00 min

Lab File: VW010937.D

Acq: 24 Jun 2019 18:34

Tgt Ion: 95 Resp: 149956

Ion	Ratio	Lower	Upper
95	100		
97	63.8	44.9	83.3
132	91.4	64.0	119.0
130	95.6	67.4	125.2

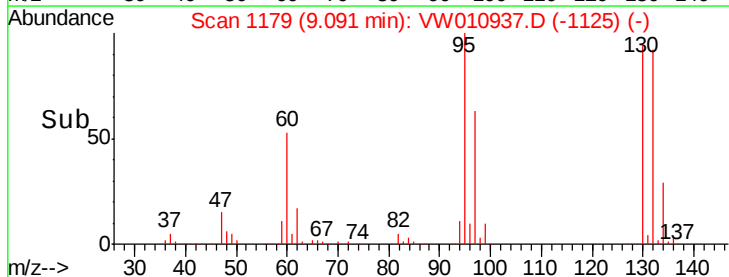
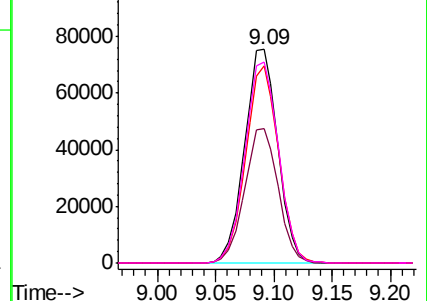


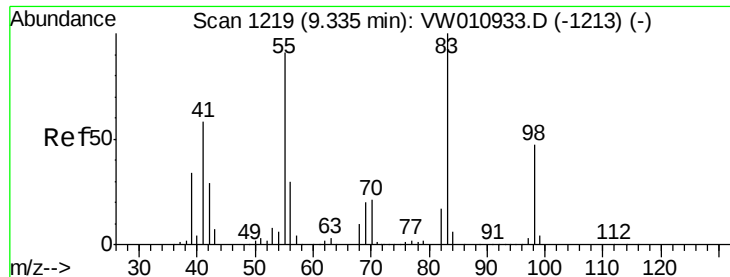
Abundance Ion 95.00 (94.70 to 95.70): VW

Ion 97.00 (96.70 to 97.70): VW

Ion 132.00 (131.70 to 132.70): V

Ion 130.00 (129.70 to 130.70): V

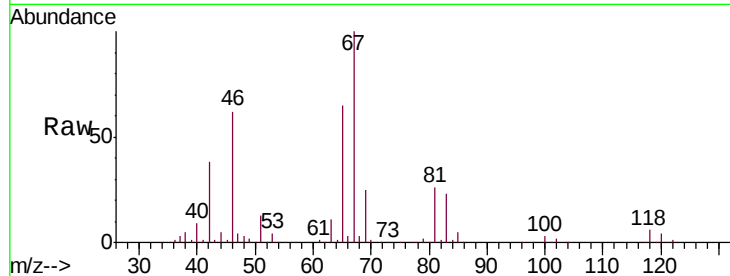




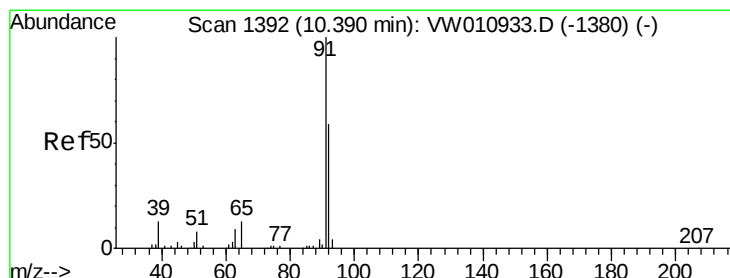
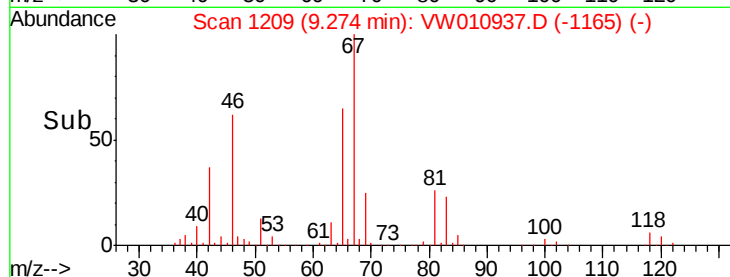
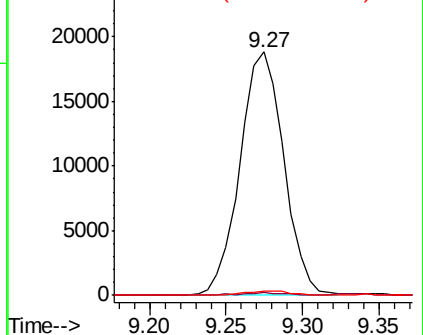
#36
Methylcyclohexane
Concen: 3.245 ug/L
RT: 9.27 min Scan# 1209
Delta R.T. -0.06 min
Lab File: VW010937.D
Acq: 24 Jun 2019 18:34

Instrument :
MSVOA_W
ClientSampleId :
YANY8MSD

Tgt Ion: 83 Resp: 37599
Ion Ratio Lower Upper
83 100
55 1.0 72.2 108.2#
98 1.9 37.8 56.8#

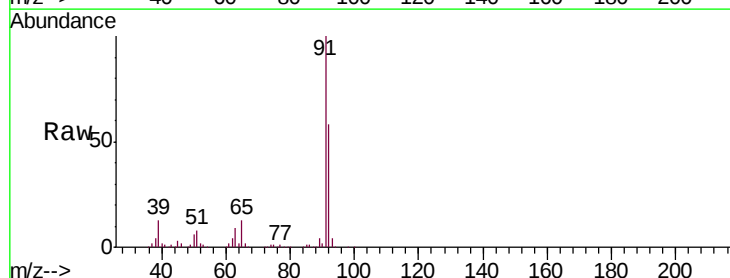


Abundance Ion 83.00 (82.70 to 83.70): VW
Ion 55.00 (54.70 to 55.70): VW
Ion 98.00 (97.70 to 98.70): VW

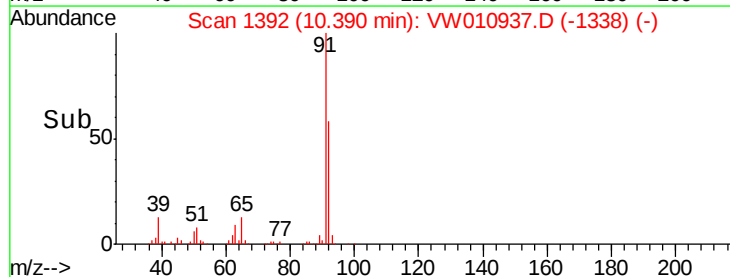
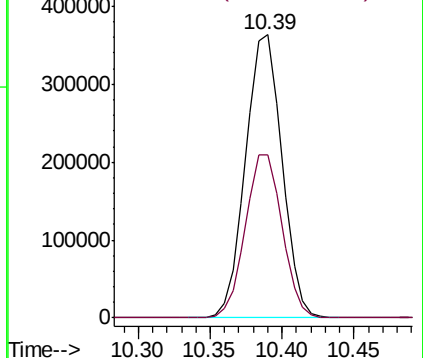


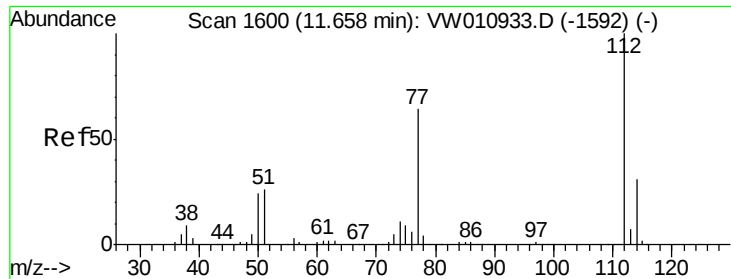
#44
Toluene
Concen: 24.514 ug/L
RT: 10.39 min Scan# 1392
Delta R.T. 0.00 min
Lab File: VW010937.D
Acq: 24 Jun 2019 18:34

Tgt Ion: 91 Resp: 638138
Ion Ratio Lower Upper
91 100
92 57.5 41.2 76.4



Abundance Ion 91.00 (90.70 to 91.70): VW
Ion 92.00 (91.70 to 92.70): VW





#52

Chlorobenzene

Concen: 24.308 ug/L

RT: 11.66 min Scan# 1600

Delta R.T. 0.00 min

Lab File: VW010937.D

Acq: 24 Jun 2019 18:34

Instrument :

MSVOA_W

ClientSampleId :

YANY8MSD

Tgt Ion:112 Resp: 380774

Ion Ratio Lower Upper

112 100

77 63.7 51.1 76.7

114 32.3 22.7 42.1

