

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW011420\
 Data File : VW014641.D
 Acq On : 14 Jan 2020 18:53
 Operator : SY/VA
 Sample : L1109-02MS
 Misc : 5.06G/10ML/MSVOA W/SOIL
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :

Quant Time: Jan 15 01:52:25 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\SOM2WLM122719S.M
 Quant Title : VOC Analysis
 QLast Update : Wed Jan 15 01:48:42 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	8.84	114	1054567	25.00	ug/L	0.00
28) Chlorobenzene-d5	11.63	117	870363	25.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	13.55	152	323086	25.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	2.35	65	352019	23.68	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	94.72%
7) Chloroethane-d5	2.89	69	270702	24.71	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	98.84%
10) 1,1-Dichloroethene-d2	4.01	63	644397	23.70	ug/L	0.00
Spiked Amount	25.000	Range	45 - 110	Recovery	=	94.80%
20) 2-Butanone-d5	7.07	46	148712	42.04	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	84.08%
24) Chloroform-d	7.64	84	593282	24.45	ug/L	0.00
Spiked Amount	25.000	Range	40 - 150	Recovery	=	97.80%
26) 1,2-Dichloroethane-d4	8.30	65	299050	23.75	ug/L	0.00
Spiked Amount	25.000	Range	70 - 130	Recovery	=	95.00%
29) Benzene-d6	8.27	84	1300807	28.10	ug/L	0.00
Spiked Amount	25.000	Range	20 - 135	Recovery	=	112.40%
33) 1,2-Dichloropropane-d6	9.27	67	390101	28.03	ug/L	0.00
Spiked Amount	25.000	Range	70 - 120	Recovery	=	112.12%
37) Toluene-d8	10.32	98	1135633	27.07	ug/L	0.00
Spiked Amount	25.000	Range	30 - 130	Recovery	=	108.28%
38) trans-1,3-Dichloropropene-	10.57	79	141590	24.63	ug/L	0.00
Spiked Amount	25.000	Range	30 - 135	Recovery	=	98.52%
39) 2-Hexanone-d5	10.92	63	113248	47.59	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	95.18%
48) 1,1,2,2-Tetrachloroethane-	12.69	84	247021	23.64	ug/L	0.00
Spiked Amount	25.000	Range	45 - 120	Recovery	=	94.56%
61) 1,2-Dichlorobenzene-d4	13.85	152	283545	26.63	ug/L	0.00
Spiked Amount	25.000	Range	75 - 120	Recovery	=	106.52%

Target Compounds

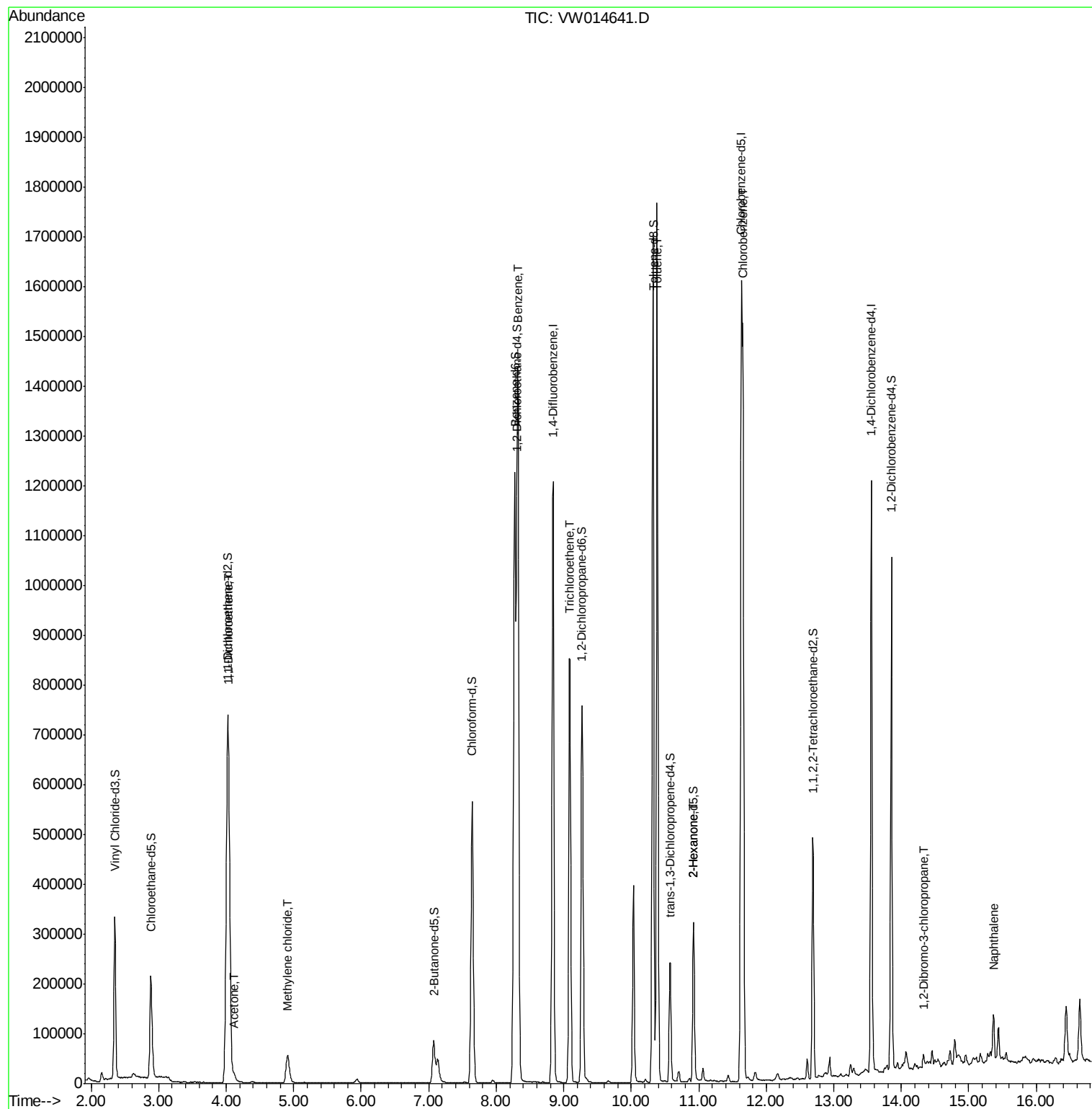
					Ovalue
12) 1,1-Dichloroethene	4.04	96	279806	20.736	ug/L 93
13) Acetone	4.12	43	20862	4.259	ug/L 99
16) Methylene chloride	4.91	84	47415	2.757	ug/L 97
34) Benzene	8.32	78	1267214	24.194	ug/L 100
35) Trichloroethene	9.09	95	313831	23.216	ug/L 100
44) Toluene	10.38	91	1296695	23.690	ug/L 98
49) 2-Hexanone	10.93	43	13011	2.239	ug/L # 64
52) Chlorobenzene	11.65	112	755762	21.842	ug/L 99
66) 1,2-Dibromo-3-chloropropan	14.32	75	1779	1.310	ug/L # 21
69) Naphthalene	15.36	128	83159	4.241	ug/L 99

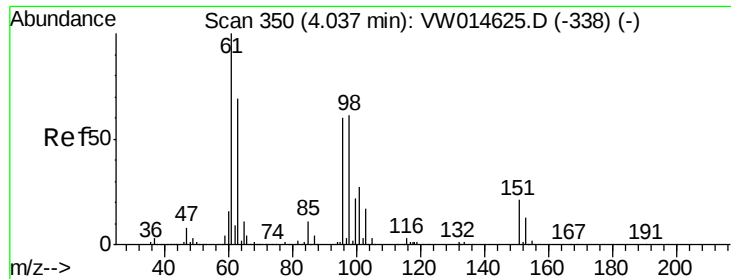
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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QLast Update : Wed Jan 15 01:48:42 2020
Response via : Initial Calibration





#12

1,1-Dichloroethene

Concen: 20.736 ug/L

RT: 4.04 min Scan# 350

Delta R.T. 0.00 min

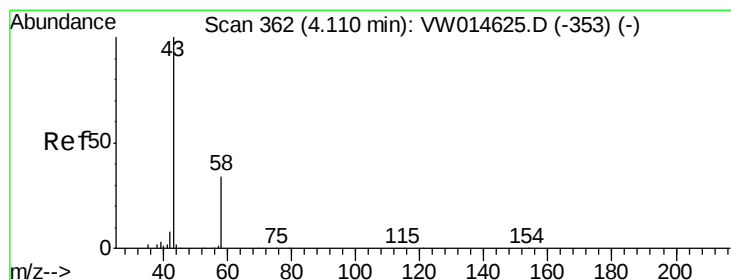
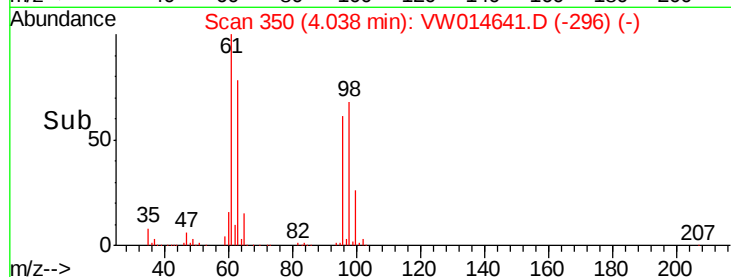
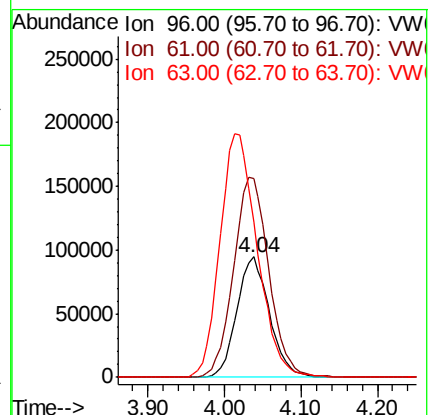
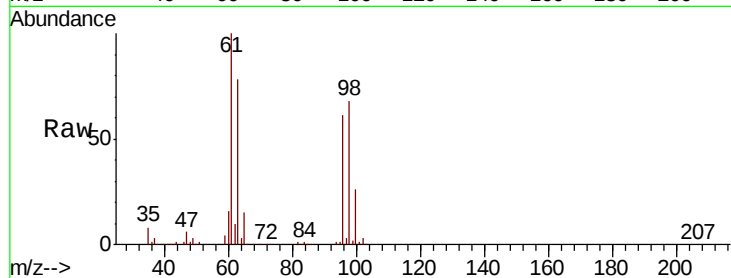
Lab File: VW014641.D

Acq: 14 Jan 2020 18:53

Instrument :
MSVOA_W
ClientSampleId :

Tot Ion: 96 Resp: 279806

Ion	Ratio	Lower	Upper
96	100		
61	165.1	114.2	212.0
63	128.7	78.6	146.0



#13

Acetone

Concen: 4.259 ug/L

RT: 4.12 min Scan# 364

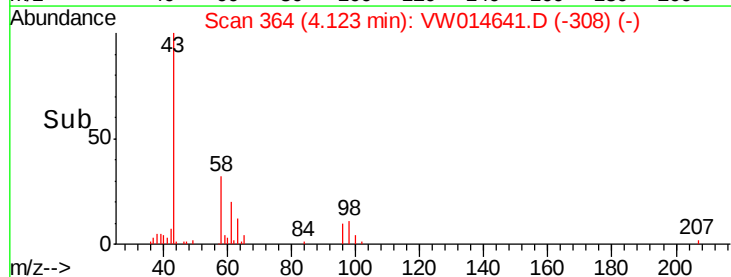
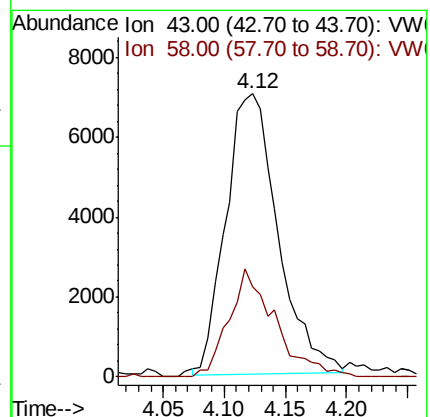
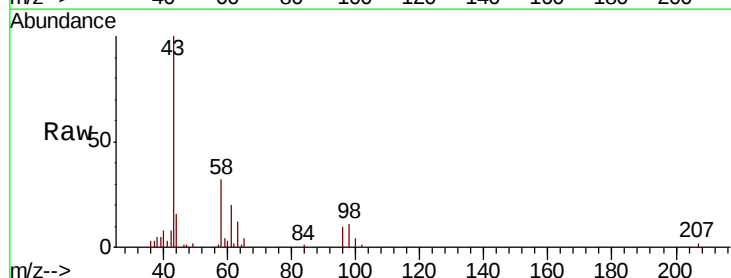
Delta R.T. 0.01 min

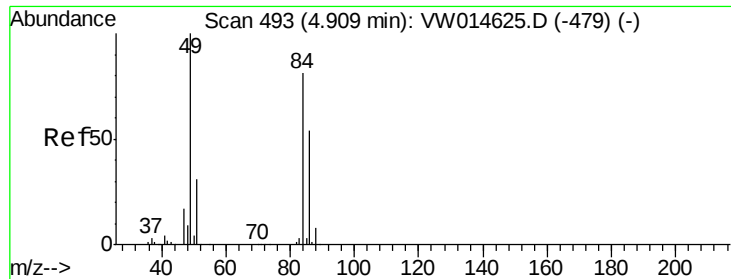
Lab File: VW014641.D

Acq: 14 Jan 2020 18:53

Tgt Ion: 43 Resp: 20862

Ion	Ratio	Lower	Upper
43	100		
58	31.3	0.0	64.0

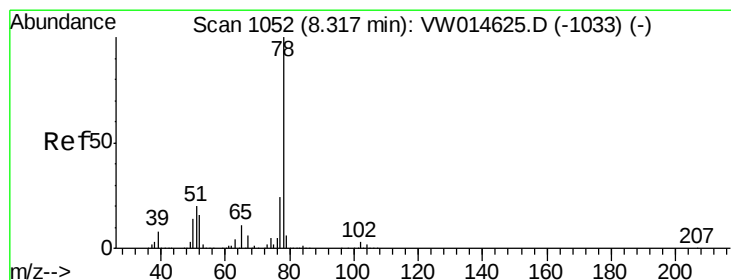
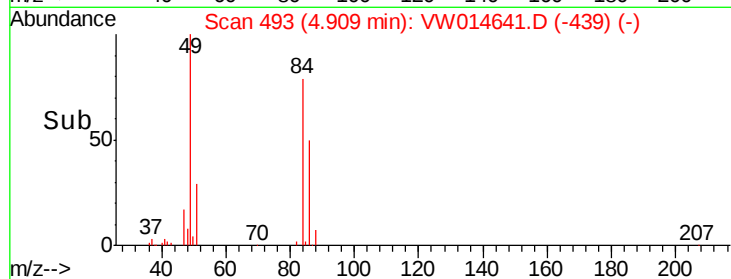
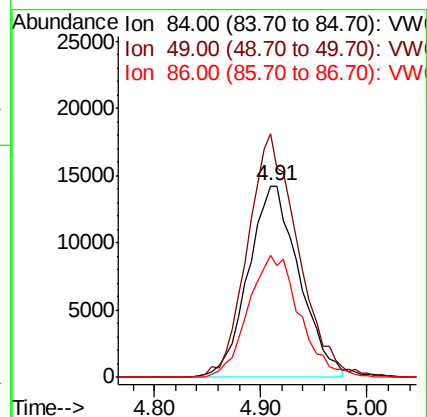
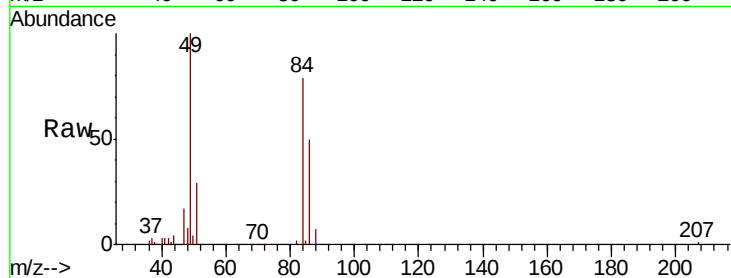




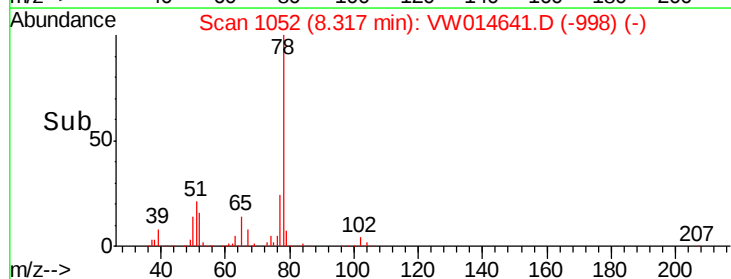
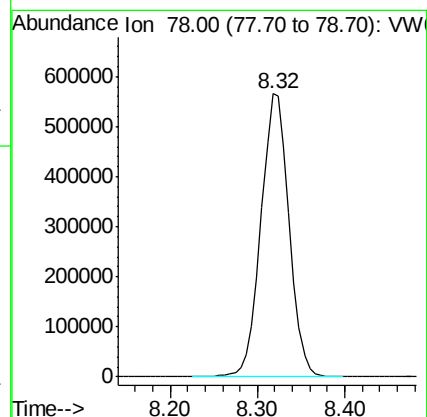
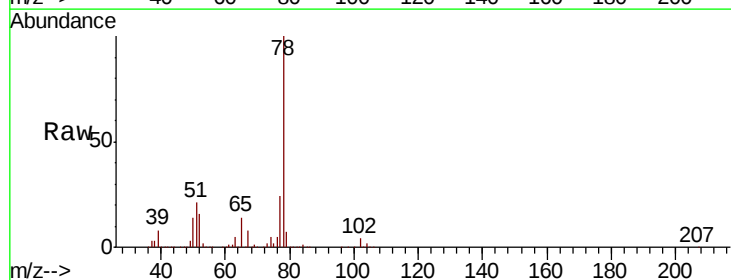
#16
Methvlene chloride
Concen: 2.757 ug/L
RT: 4.91 min Scan# 493
Delta R.T. 0.00 min
Lab File: VW014641.D
Acq: 14 Jan 2020 18:53

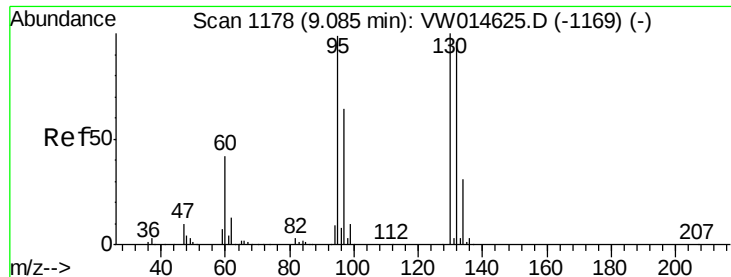
Instrument :
MSVOA_W
ClientSampleId :

Tot Ion: 84 Resp: 47415
Ion Ratio Lower Upper
84 100
49 127.1 85.8 159.4
86 63.5 44.5 82.7



#34
Benzene
Concen: 24.194 ug/L
RT: 8.32 min Scan# 1052
Delta R.T. 0.00 min
Lab File: VW014641.D
Acq: 14 Jan 2020 18:53
Tgt Ion: 78 Resp: 1267214





#35

Trichloroethene

Concen: 23.216 ug/L

RT: 9.09 min Scan# 1178

Delta R.T. 0.00 min

Lab File: VW014641.D

Acq: 14 Jan 2020 18:53

Instrument :

MSVOA_W

ClientSampleId :

Tot Ion: 95 Resp: 313831

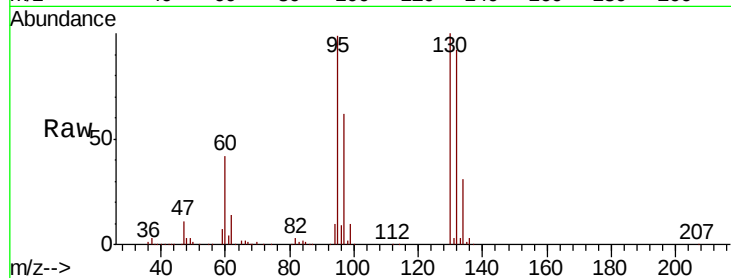
Ion Ratio Lower Upper

95 100

97 63.4 44.3 82.3

132 98.1 69.2 128.6

130 102.9 72.3 134.3



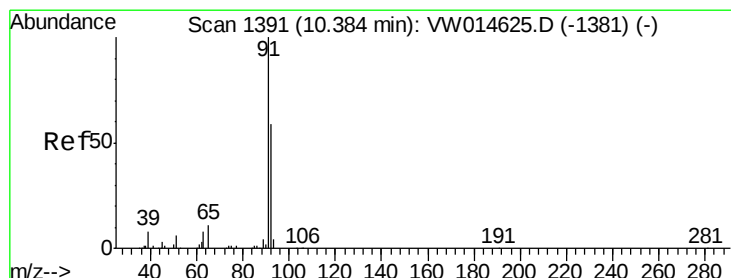
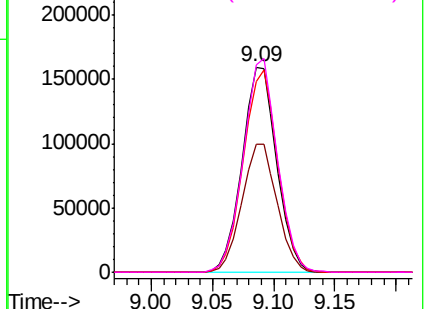
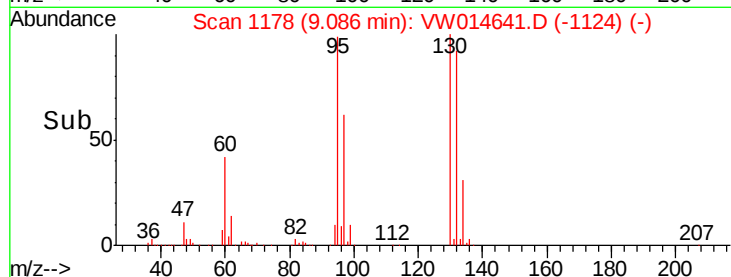
Abundance

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



#44

Toluene

Concen: 23.690 ug/L

RT: 10.38 min Scan# 1391

Delta R.T. 0.00 min

Lab File: VW014641.D

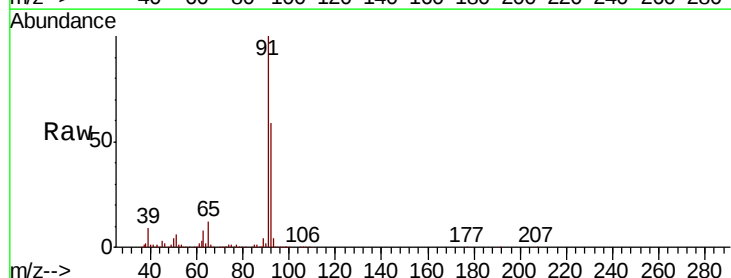
Acq: 14 Jan 2020 18:53

Tgt Ion: 91 Resp: 1296695

Ion Ratio Lower Upper

91 100

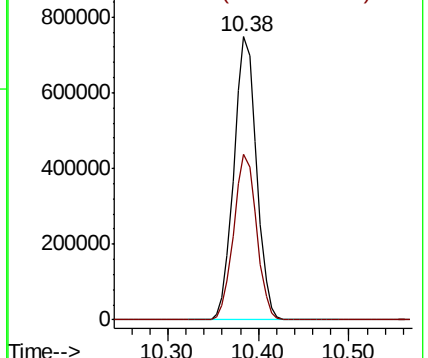
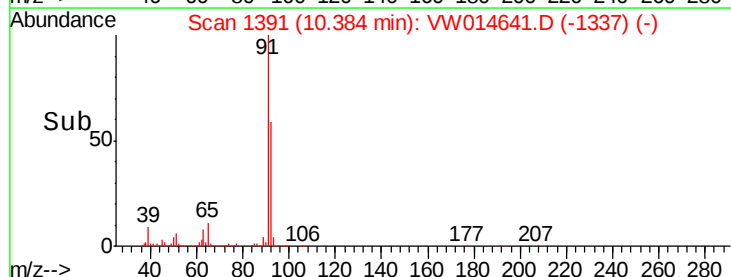
92 58.7 40.2 74.6

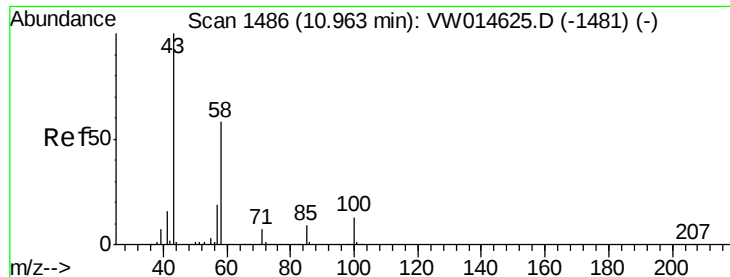


Abundance

Ion 91.00 (90.70 to 91.70): VW

Ion 92.00 (91.70 to 92.70): VW

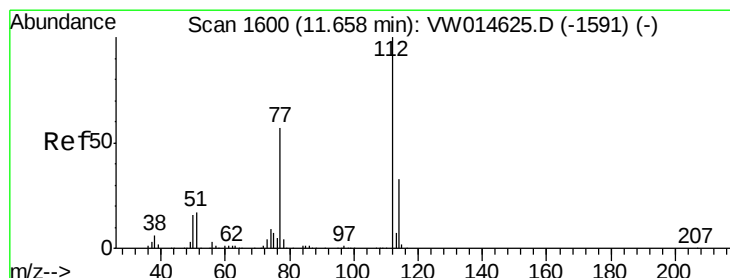
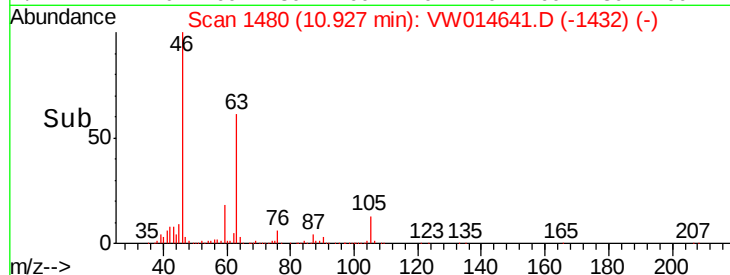
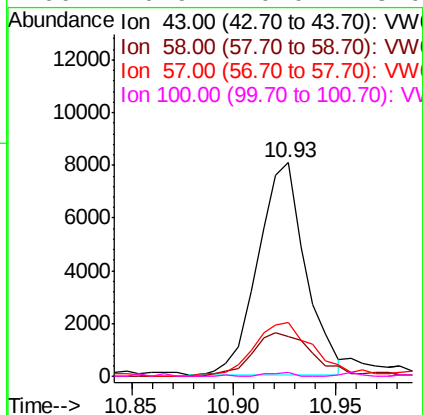
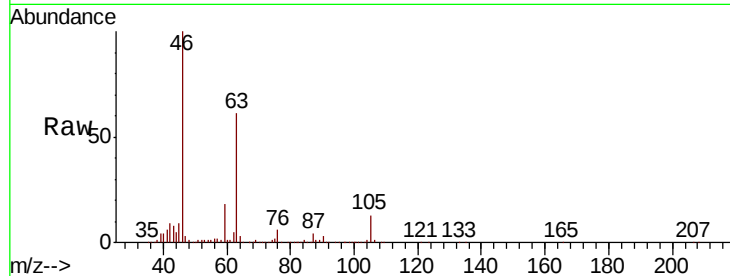




#49
2-Hexanone
Concen: 2.239 ug/L
RT: 10.93 min Scan# 1480
Delta R.T. -0.04 min
Lab File: VW014641.D
Acq: 14 Jan 2020 18:53

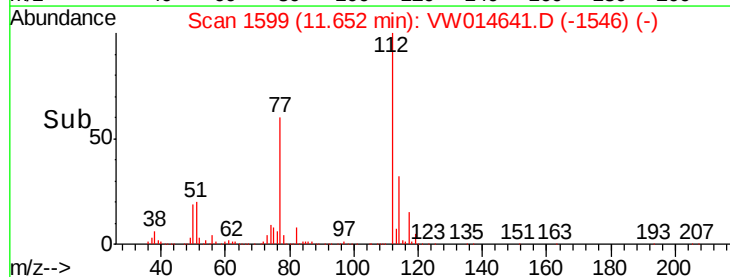
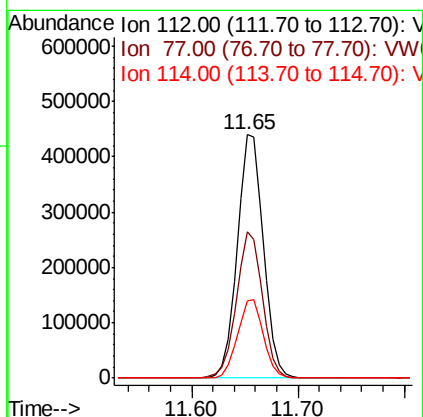
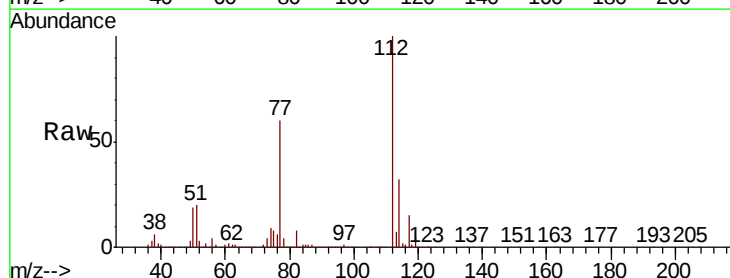
Instrument :
MSVOA_W
ClientSampleId :

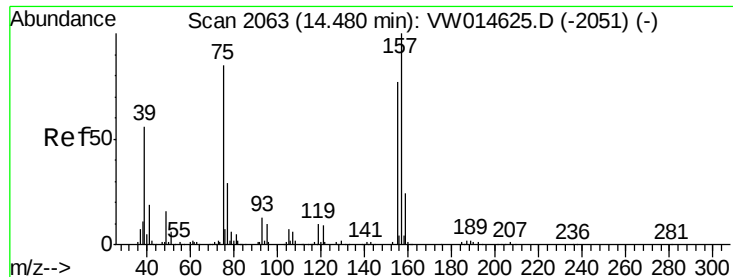
Tot Ion: 43 Resp: 13011
Ion Ratio Lower Upper
43 100
58 25.7 44.9 67.3#
57 30.6 15.3 22.9#
100 0.9 10.0 15.0#



#52
Chlorobenzene
Concen: 21.842 ug/L
RT: 11.65 min Scan# 1599
Delta R.T. -0.01 min
Lab File: VW014641.D
Acq: 14 Jan 2020 18:53

Tgt Ion: 112 Resp: 755762
Ion Ratio Lower Upper
112 100
77 59.9 48.2 72.2
114 31.7 22.9 42.5

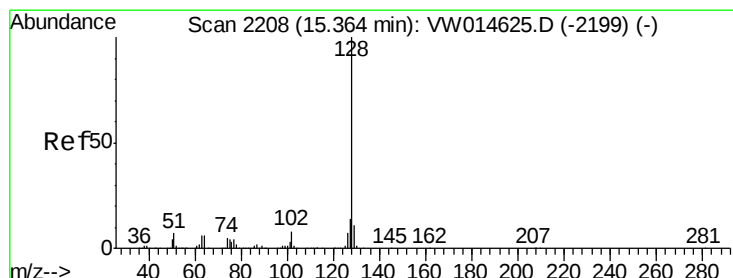
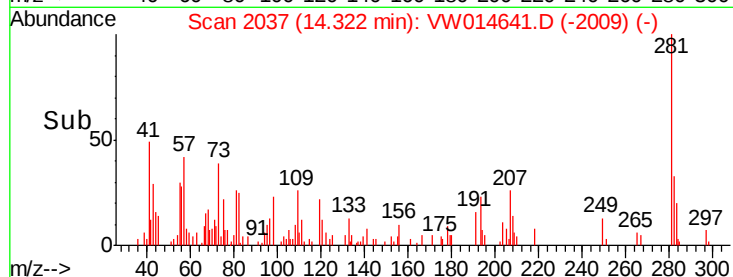
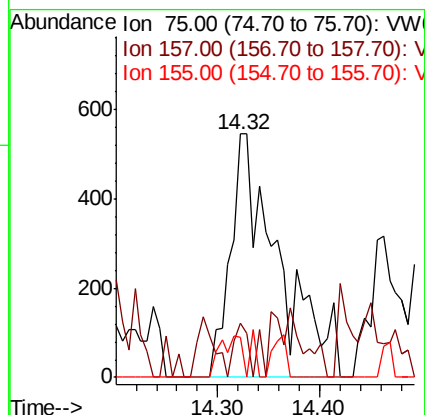
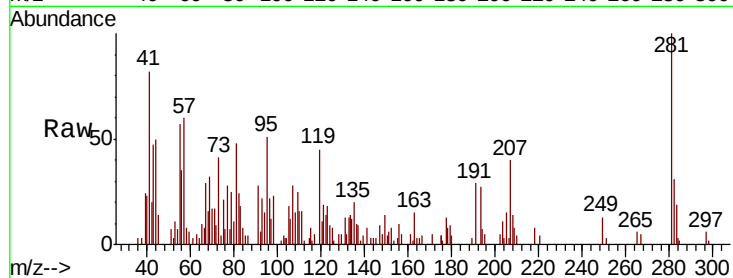




#66
 1,2-Dibromo-3-chloropropane
 Concen: 1.310 ug/L
 RT: 14.32 min Scan# 2037
 Delta R.T. -0.16 min
 Lab File: VW014641.D
 Acq: 14 Jan 2020 18:53

Instrument :
 MSVOA_W
 ClientSampleId :

Tot Ion: 75 Resp: 1779
 Ion Ratio Lower Upper
 75 100
 157 22.3 87.2 130.8#
 155 16.3 67.8 101.8#



#69
 Naphthalene
 Concen: 4.241 ug/L
 RT: 15.36 min Scan# 2208
 Delta R.T. 0.00 min
 Lab File: VW014641.D
 Acq: 14 Jan 2020 18:53

Tgt Ion:128 Resp: 83159
 Ion Ratio Lower Upper
 128 100
 129 11.6 8.8 13.2
 127 13.0 10.6 16.0

