

Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW021721\
 Data File : VW018184.D
 Acq On : 17 Feb 2021 14:09
 Operator : SY/VA
 Sample : M1414-19
 Misc : 6.95G/10ML/MSVOA_W/SOIL
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :

Quant Time: Feb 18 06:17:13 2021
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\SOM2WLM012921S.M
 Quant Title : VOC Analysis
 QLast Update : Thu Feb 18 06:15:22 2021
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

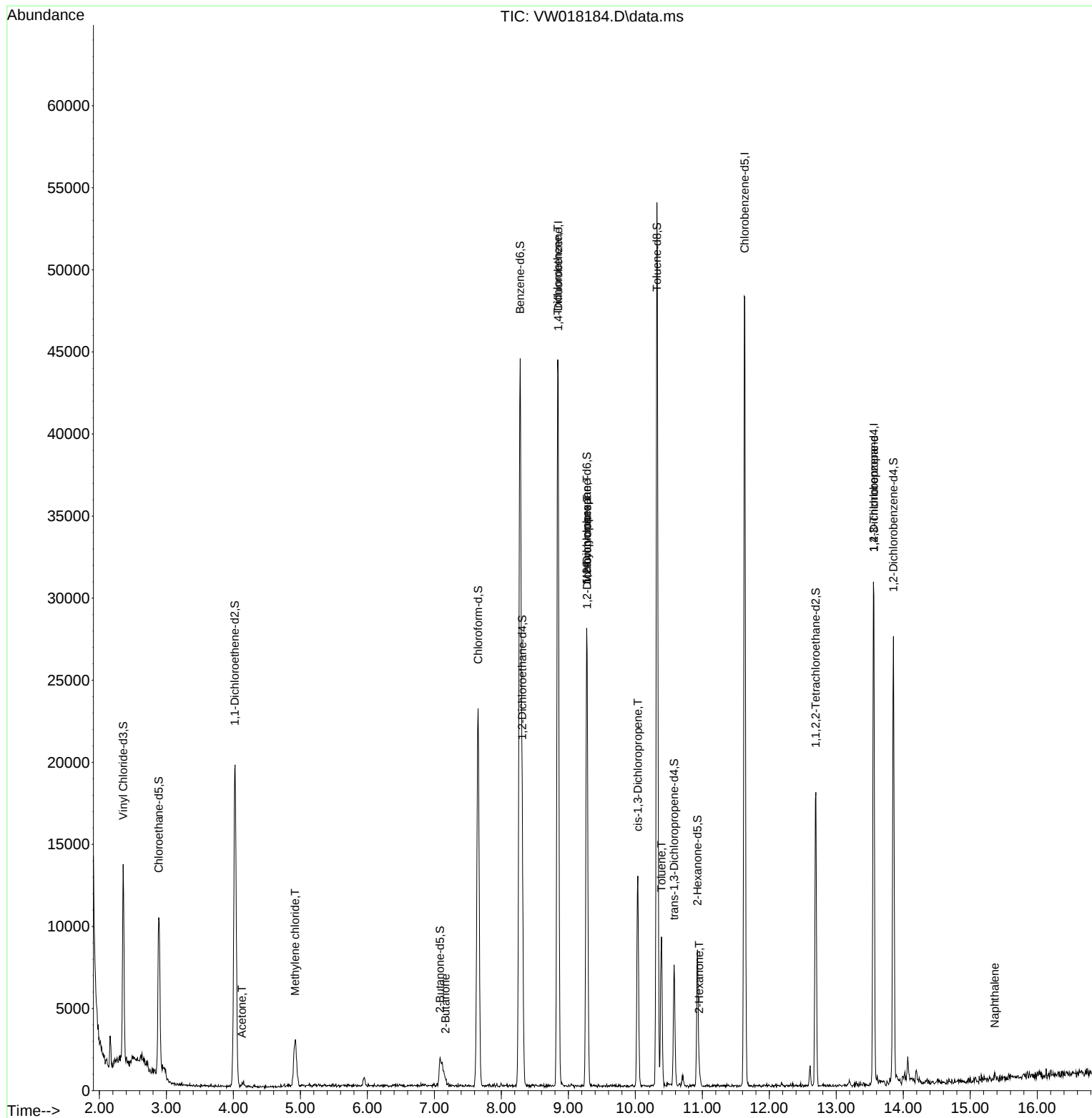
Internal Standards						
1) 1,4-Difluorobenzene	8.848	114	40386	25.00	ug/L	0.00
28) Chlorobenzene-d5	11.634	117	29847	25.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	13.560	152	9088	25.00	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	2.355	65	11476	22.86	ug/L	0.00
Spiked Amount 25.000	Range 30 - 150		Recovery =	91.44%		
7) Chloroethane-d5	2.885	69	11086	27.83	ug/L	0.00
Spiked Amount 25.000	Range 30 - 150		Recovery =	111.32%		
10) 1,1-Dichloroethene-d2	4.019	63	18469	18.41	ug/L	0.00
Spiked Amount 25.000	Range 45 - 110		Recovery =	73.64%		
20) 2-Butanone-d5	7.086	46	3199	23.88	ug/L	0.01
Spiked Amount 50.000	Range 20 - 135		Recovery =	47.76%		
24) Chloroform-d	7.653	84	24081	22.72	ug/L	0.00
Spiked Amount 25.000	Range 40 - 150		Recovery =	90.88%		
26) 1,2-Dichloroethane-d4	8.311	65	12128	21.48	ug/L	0.00
Spiked Amount 25.000	Range 70 - 130		Recovery =	85.92%		
29) Benzene-d6	8.281	84	47595	29.04	ug/L	0.00
Spiked Amount 25.000	Range 20 - 135		Recovery =	116.16%		
33) 1,2-Dichloropropane-d6	9.275	67	13711	29.91	ug/L	0.00
Spiked Amount 25.000	Range 70 - 120		Recovery =	119.64%		
37) Toluene-d8	10.323	98	37575	24.10	ug/L	0.00
Spiked Amount 25.000	Range 30 - 130		Recovery =	96.40%		
38) trans-1,3-Dichloroprop...	10.579	79	4631	22.29	ug/L	0.00
Spiked Amount 25.000	Range 30 - 135		Recovery =	89.16%		
39) 2-Hexanone-d5	10.927	63	3060	34.92	ug/L	0.00
Spiked Amount 50.000	Range 20 - 135		Recovery =	69.84%		
48) 1,1,2,2-Tetrachloroeth...	12.695	84	9161	22.75	ug/L	0.00
Spiked Amount 25.000	Range 45 - 120		Recovery =	91.00%		
61) 1,2-Dichlorobenzene-d4	13.853	152	7644	23.58	ug/L	0.00
Spiked Amount 25.000	Range 75 - 120		Recovery =	94.32%		
Target Compounds					Qvalue	
13) Acetone	4.129	43	396	4.00	ug/L	68
16) Methylene chloride	4.922	84	2397	3.70	ug/L	78
21) 2-Butanone	7.165	43	212	1.41	ug/L #	46
35) Trichloroethene	8.842	95	1332	2.71	ug/L #	3
36) Methylcyclohexane	9.275	83	3680	4.45	ug/L #	18
40) 1,2-Dichloropropane	9.281	63	1460	3.65	ug/L #	84
42) cis-1,3-Dichloropropene	10.037	75	316	0.49	ug/L #	77
44) Toluene	10.390	91	7297	3.80	ug/L	100
49) 2-Hexanone	10.951	43	347	2.01	ug/L #	33
59) 1,2,3-Trichloropropane	13.560	75	883	2.88	ug/L	98
69) Naphthalene	15.365	128	190	0.26	ug/L #	69

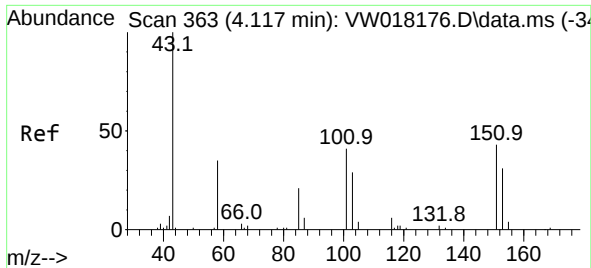
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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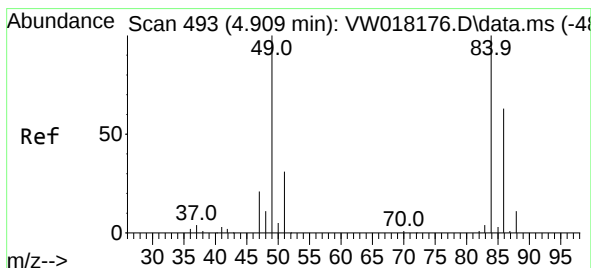
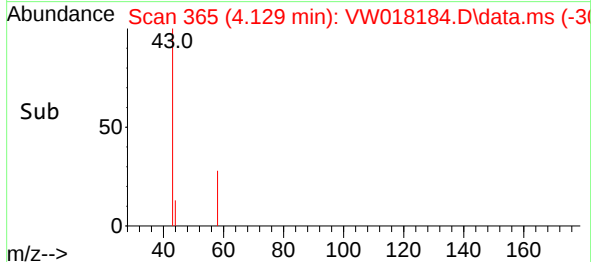
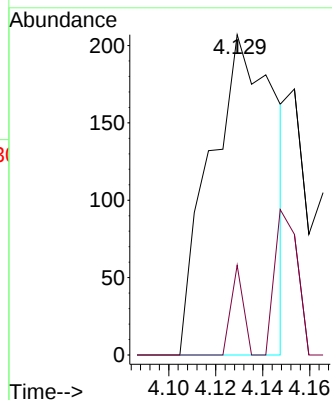
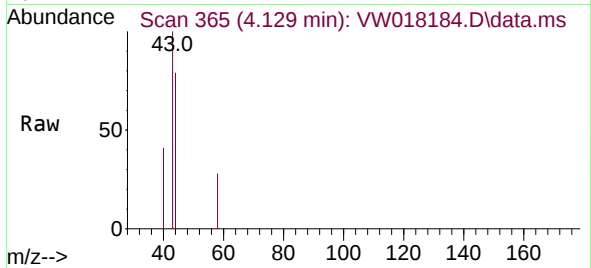




#13
Acetone
Concen: 4.00 ug/L
RT: 4.129 min Scan# 365
Delta R.T. 0.012 min
Lab File: VW018184.D
Acq: 17 Feb 2021 14:09

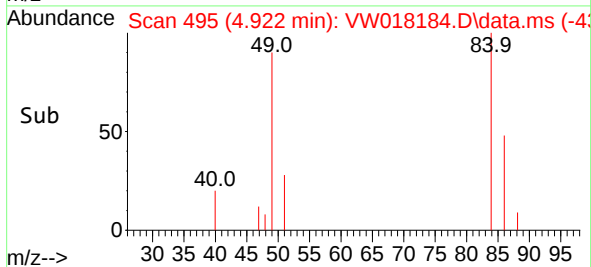
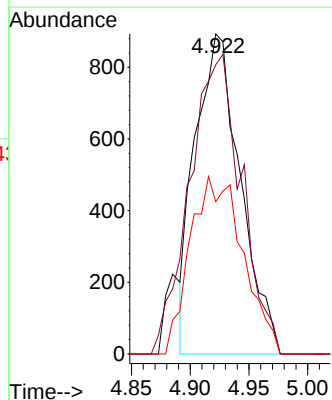
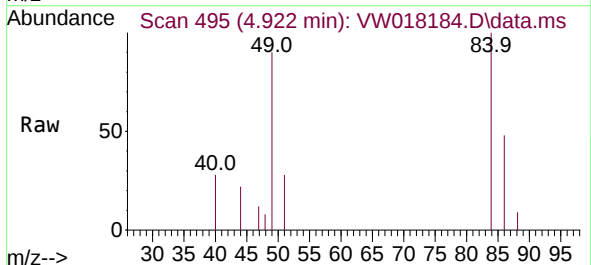
Instrument :
MSVOA_W
ClientSampled :

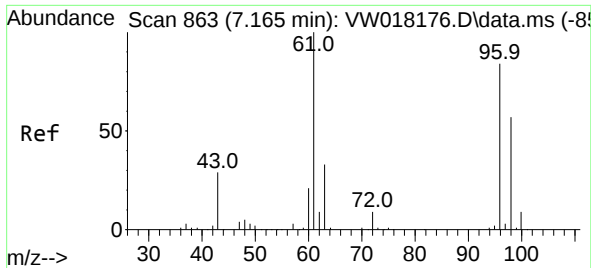
Tgt Ion: 43 Resp: 396
Ion Ratio Lower Upper
43 100
58 15.9 0.0 68.4



#16
Methylene chloride
Concen: 3.70 ug/L
RT: 4.922 min Scan# 495
Delta R.T. 0.012 min
Lab File: VW018184.D
Acq: 17 Feb 2021 14:09

Tgt Ion: 84 Resp: 2397
Ion Ratio Lower Upper
84 100
49 90.4 81.2 150.8
86 47.6 44.5 82.7

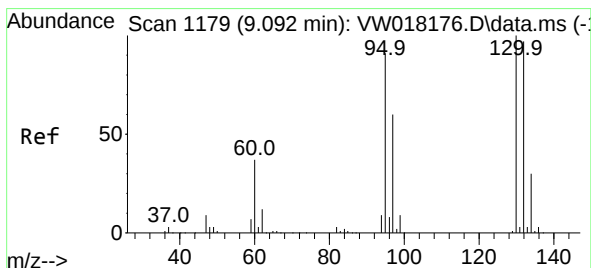
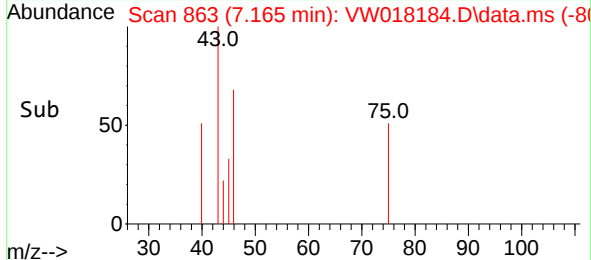
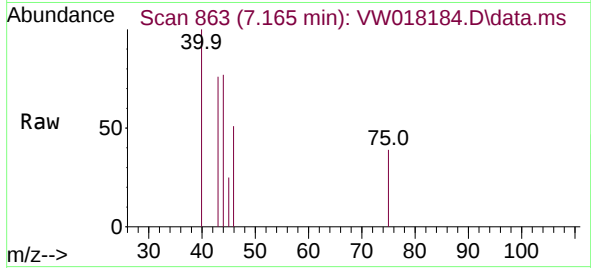




#21
2-Butanone
Concen: 1.41 ug/L
RT: 7.165 min Scan# 863
Delta R.T. 0.000 min
Lab File: VW018184.D
Acq: 17 Feb 2021 14:09

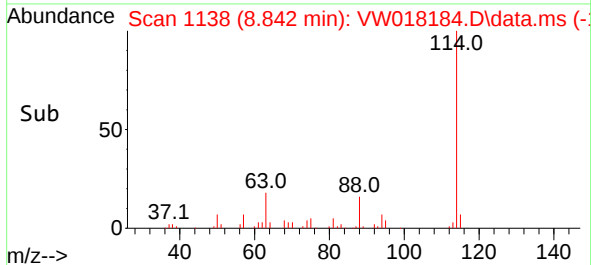
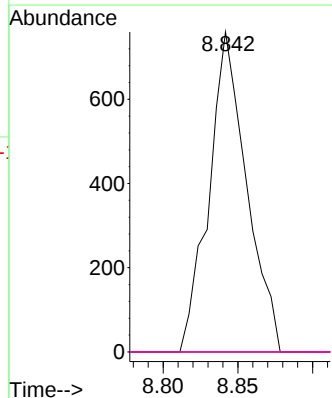
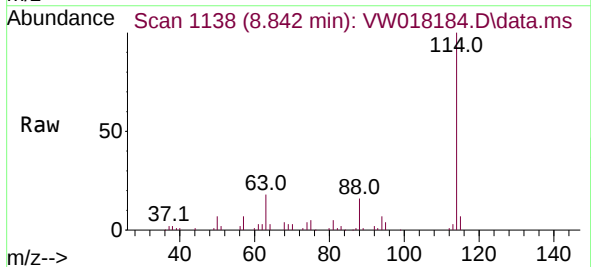
Instrument :
MSVOA_W
ClientSampled :

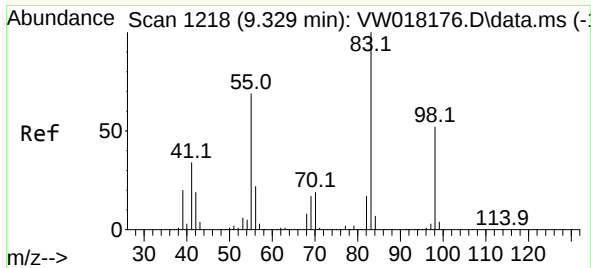
Tgt Ion: 43 Resp: 212
Ion Ratio Lower Upper
43 100
72 0.0 14.4 43.2#



#35
Trichloroethene
Concen: 2.71 ug/L
RT: 8.842 min Scan# 1138
Delta R.T. -0.250 min
Lab File: VW018184.D
Acq: 17 Feb 2021 14:09

Tgt Ion: 95 Resp: 1332
Ion Ratio Lower Upper
95 100
97 0.0 45.0 83.6#
132 0.0 71.0 131.8#
130 0.0 75.6 140.4#

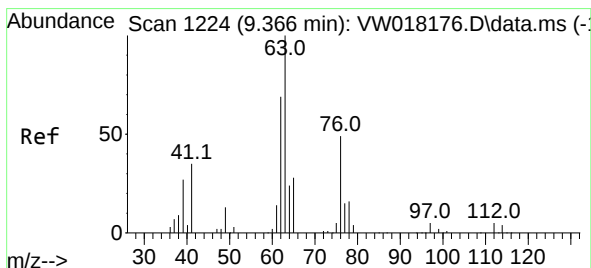
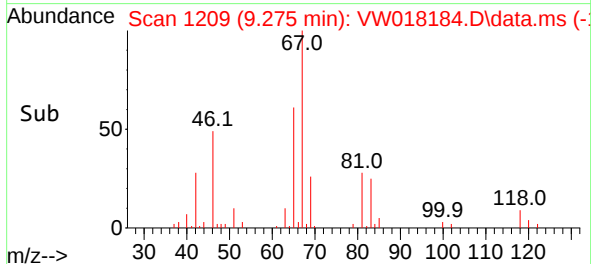
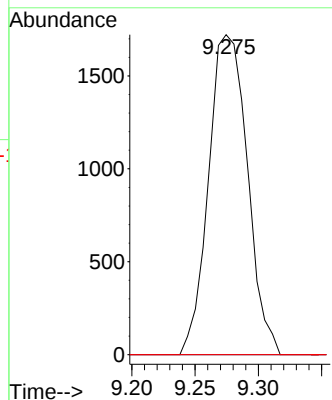
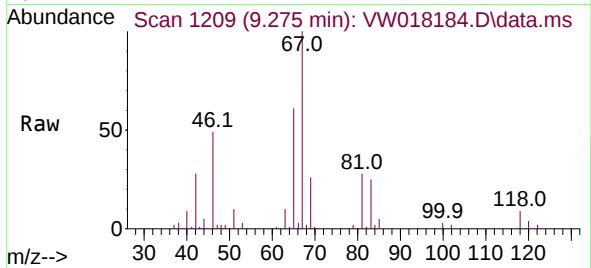




#36
Methylcyclohexane
Concen: 4.45 ug/L
RT: 9.275 min Scan# 1209
Delta R.T. -0.055 min
Lab File: VW018184.D
Acq: 17 Feb 2021 14:09

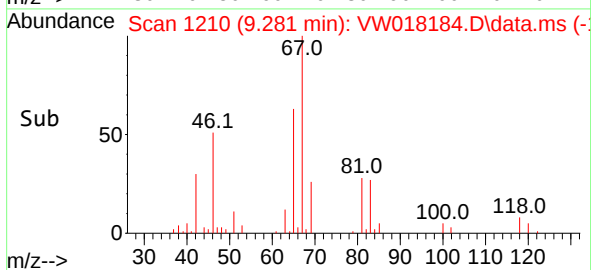
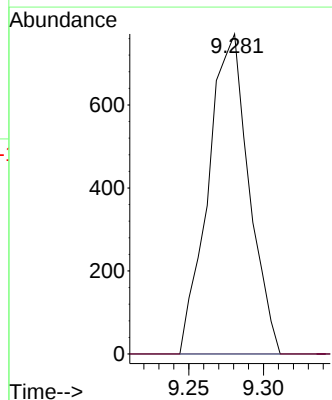
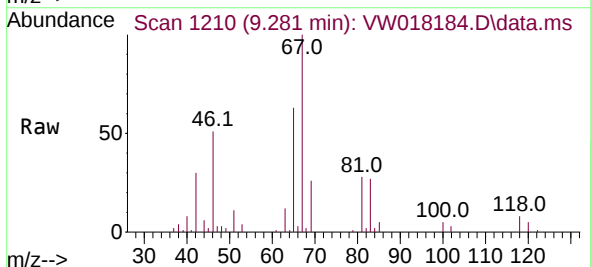
Instrument :
MSVOA_W
ClientSampled :

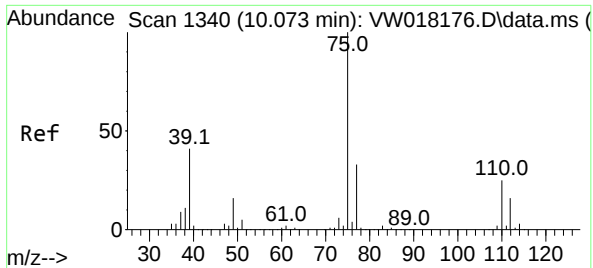
Tgt Ion: 83 Resp: 3680
Ion Ratio Lower Upper
83 100
55 0.0 59.4 89.0#
98 0.0 40.7 61.1#



#40
1,2-Dichloropropane
Concen: 3.65 ug/L
RT: 9.281 min Scan# 1210
Delta R.T. -0.085 min
Lab File: VW018184.D
Acq: 17 Feb 2021 14:09

Tgt Ion: 63 Resp: 1460
Ion Ratio Lower Upper
63 100
112 0.0 4.2 6.4#

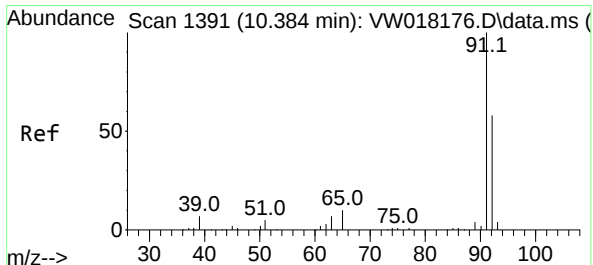
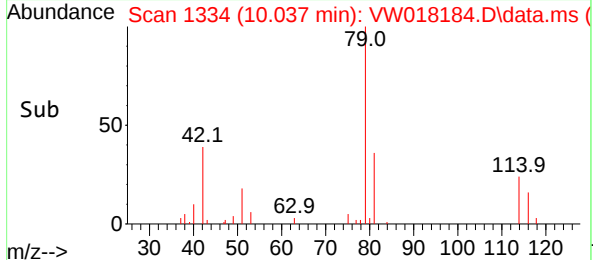
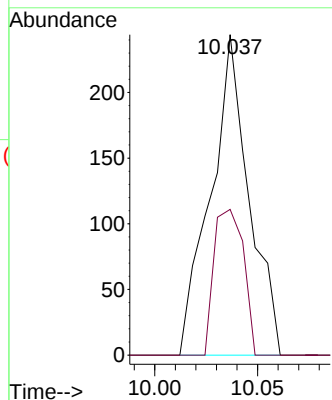
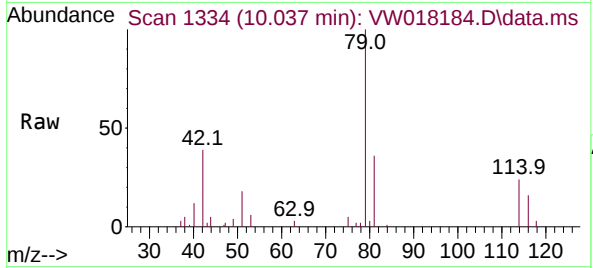




#42
 cis-1,3-Dichloropropene
 Concen: 0.49 ug/L
 RT: 10.037 min Scan# 1334
 Delta R.T. -0.036 min
 Lab File: VW018184.D
 Acq: 17 Feb 2021 14:09

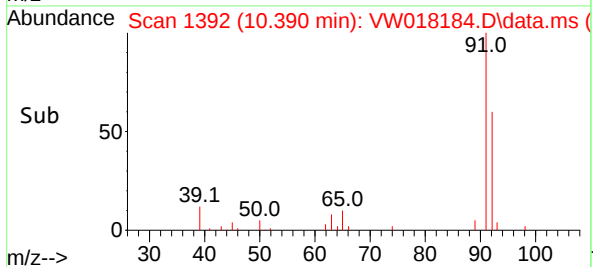
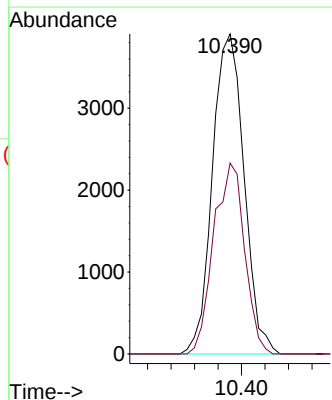
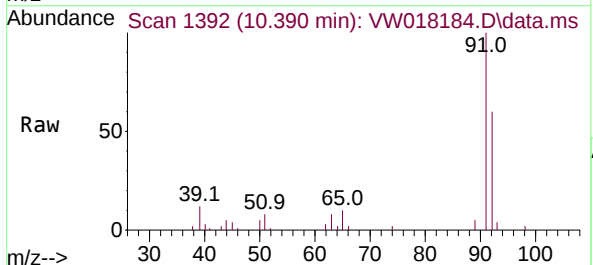
Instrument :
 MSVOA_W
 ClientSampled :

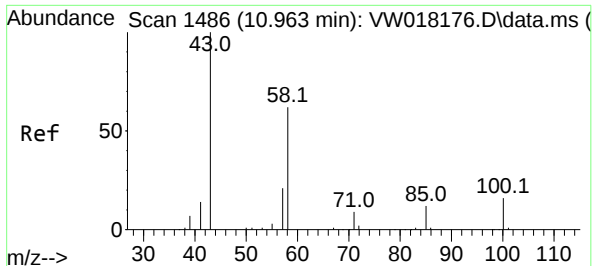
Tgt Ion: 75 Resp: 316
 Ion Ratio Lower Upper
 75 100
 77 45.5 22.7 42.3#



#44
 Toluene
 Concen: 3.80 ug/L
 RT: 10.390 min Scan# 1392
 Delta R.T. 0.006 min
 Lab File: VW018184.D
 Acq: 17 Feb 2021 14:09

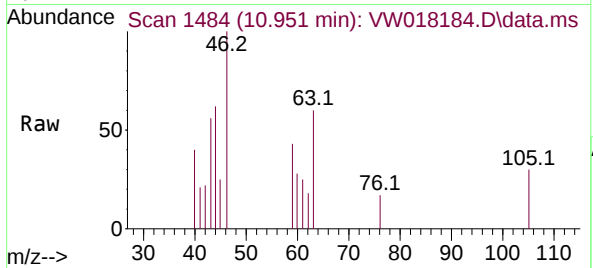
Tgt Ion: 91 Resp: 7297
 Ion Ratio Lower Upper
 91 100
 92 59.7 41.6 77.3



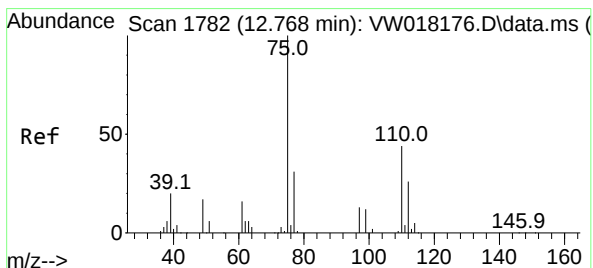
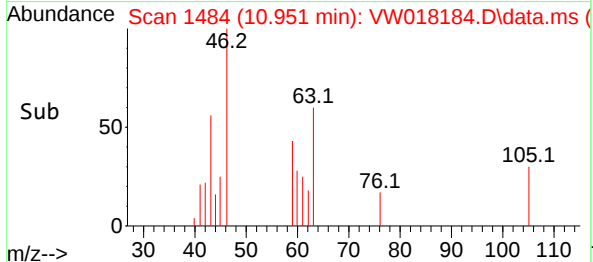
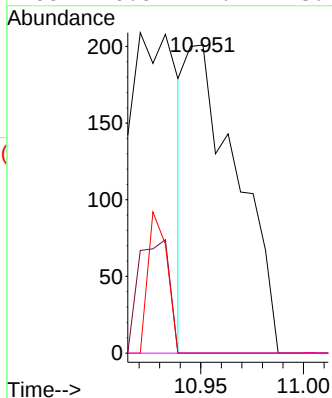


#49
2-Hexanone
Concen: 2.01 ug/L
RT: 10.951 min Scan# 1484
Delta R.T. -0.012 min
Lab File: VW018184.D
Acq: 17 Feb 2021 14:09

Instrument :
MSVOA_W
ClientSampled :

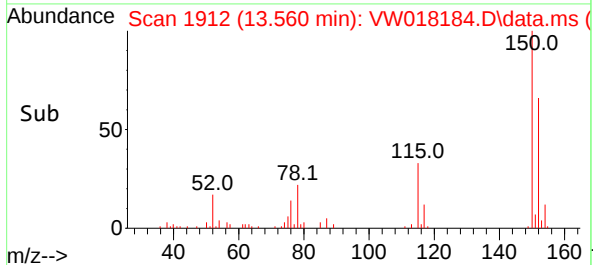
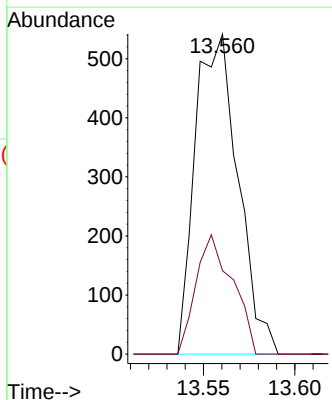
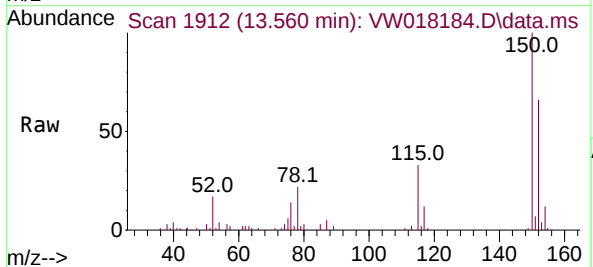


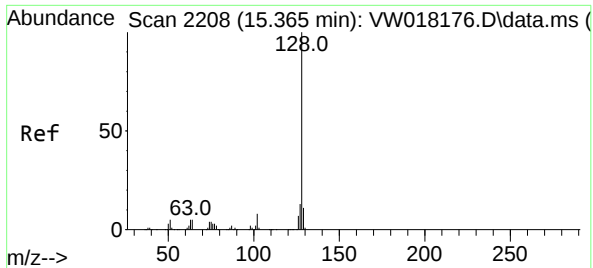
Tgt Ion:	43	Resp:	347
Ion Ratio	Lower	Upper	
43	100		
58	0.0	51.3	76.9#
57	0.0	15.0	22.6#
100	0.0	12.2	18.2#



#59
1,2,3-Trichloropropane
Concen: 2.88 ug/L
RT: 13.560 min Scan# 1912
Delta R.T. 0.793 min
Lab File: VW018184.D
Acq: 17 Feb 2021 14:09

Tgt Ion:	75	Resp:	883
Ion Ratio	Lower	Upper	
75	100		
77	31.8	26.6	39.8





#69
Naphthalene
Concen: 0.26 ug/L
RT: 15.365 min Scan# 2208
Delta R.T. 0.000 min
Lab File: VW018184.D
Acq: 17 Feb 2021 14:09

Instrument :
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ClientSampleId :

Tgt Ion:	128	Resp:	190
Ion Ratio	Lower	Upper	
128	100		
129	0.0	8.7	13.1#
127	0.0	10.7	16.1#

