

Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW021221\
 Data File : VW018104.D
 Acq On : 12 Feb 2021 12:48
 Operator : SY/VA
 Sample : M1371-14
 Misc : 7.62G/10ML/MSVOA_W/SOIL
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 DBH25

Quant Time: Feb 12 22:44:19 2021
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\SOM2WLM012921S.M
 Quant Title : VOC Analysis
 QLast Update : Fri Feb 12 22:41:34 2021
 Response via : Initial Calibration

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

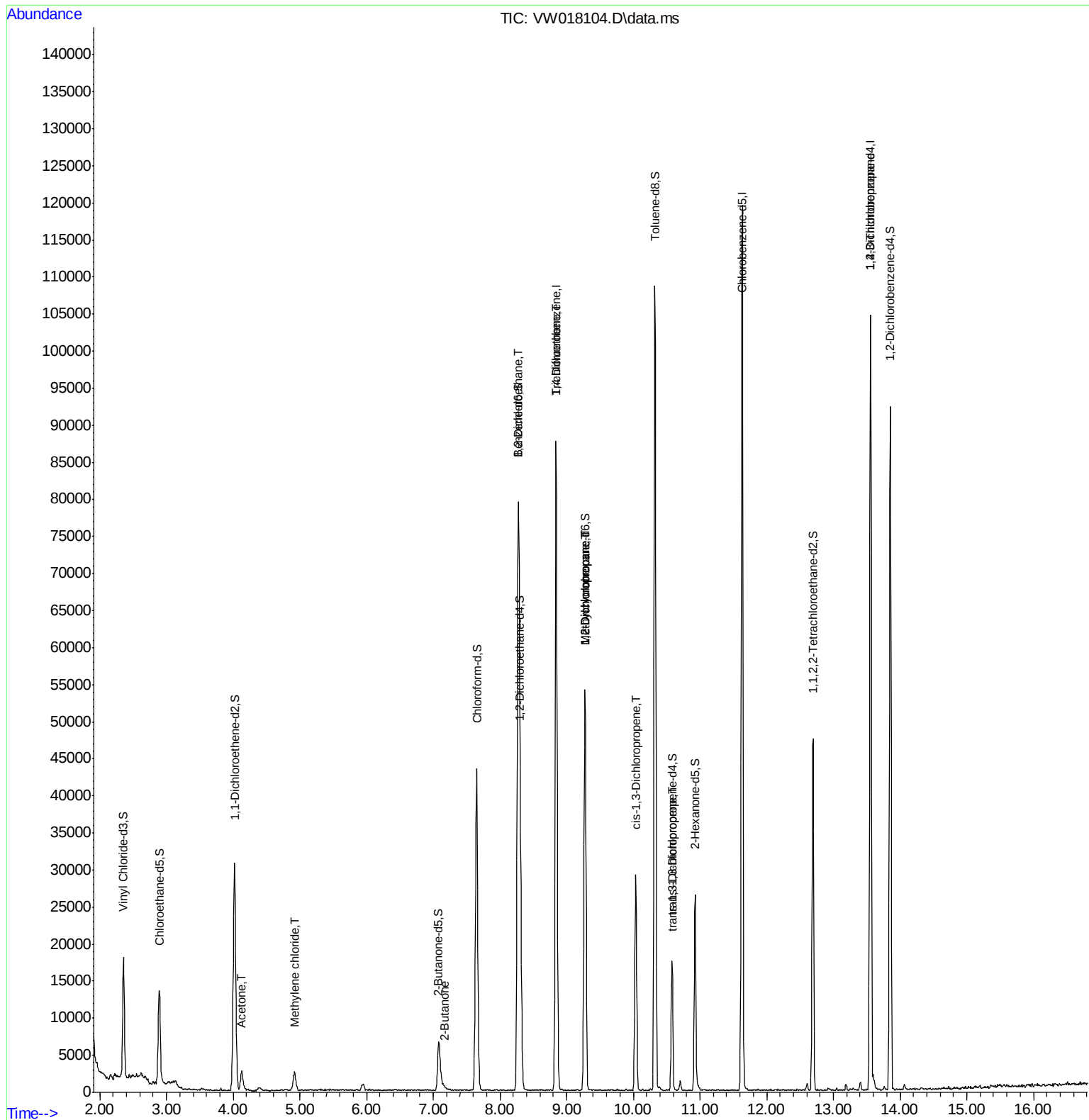
Internal Standards						
1) 1,4-Difluorobenzene	8.842	114	78441	25.00	ug/L	0.00
28) Chlorobenzene-d5	11.634	117	72359	25.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	13.554	152	30774	25.00	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	2.355	65	15902	16.31	ug/L	0.00
Spiked Amount 25.000	Range 30 - 150		Recovery =	65.24%		
7) Chloroethane-d5	2.891	69	15662	20.24	ug/L	0.00
Spiked Amount 25.000	Range 30 - 150		Recovery =	80.96%		
10) 1,1-Dichloroethene-d2	4.025	63	28917	14.84	ug/L	0.00
Spiked Amount 25.000	Range 45 - 110		Recovery =	59.36%		
20) 2-Butanone-d5	7.080	46	11625	44.69	ug/L	0.00
Spiked Amount 50.000	Range 20 - 135		Recovery =	89.38%		
24) Chloroform-d	7.653	84	44873	21.80	ug/L	0.00
Spiked Amount 25.000	Range 40 - 150		Recovery =	87.20%		
26) 1,2-Dichloroethane-d4	8.305	65	25998	23.71	ug/L	0.00
Spiked Amount 25.000	Range 70 - 130		Recovery =	94.84%		
29) Benzene-d6	8.275	84	85765	21.59	ug/L	0.00
Spiked Amount 25.000	Range 20 - 135		Recovery =	86.36%		
33) 1,2-Dichloropropane-d6	9.274	67	25592	23.03	ug/L	0.00
Spiked Amount 25.000	Range 70 - 120		Recovery =	92.12%		
37) Toluene-d8	10.323	98	75804	20.05	ug/L	0.00
Spiked Amount 25.000	Range 30 - 130		Recovery =	80.20%		
38) trans-1,3-Dichloroprop...	10.579	79	10345	20.54	ug/L	0.00
Spiked Amount 25.000	Range 30 - 135		Recovery =	82.16%		
39) 2-Hexanone-d5	10.927	63	9570	45.04	ug/L	0.00
Spiked Amount 50.000	Range 20 - 135		Recovery =	90.08%		
48) 1,1,2,2-Tetrachloroeth...	12.695	84	23694	24.27	ug/L	0.00
Spiked Amount 25.000	Range 45 - 120		Recovery =	97.08%		
61) 1,2-Dichlorobenzene-d4	13.853	152	26033	23.71	ug/L	0.00
Spiked Amount 25.000	Range 75 - 120		Recovery =	94.84%		
Target Compounds						
13) Acetone	4.123	43	2376	12.34	ug/L #	40
16) Methylene chloride	4.922	84	1959	1.56	ug/L	90
21) 2-Butanone	7.165	43	213	0.73	ug/L #	46
27) 1,2-Dichloroethane	8.275	62	519	0.41	ug/L #	73
35) Trichloroethene	8.842	95	2217	1.86	ug/L #	3
36) Methylcyclohexane	9.274	83	6726	3.36	ug/L #	19
40) 1,2-Dichloropropane	9.274	63	2789	2.87	ug/L #	84
42) cis-1,3-Dichloropropene	10.036	75	749	0.48	ug/L #	68
45) trans-1,3-Dichloropropene	10.585	75	433	0.32	ug/L #	79
59) 1,2,3-Trichloropropane	13.554	75	3044	4.10	ug/L	96

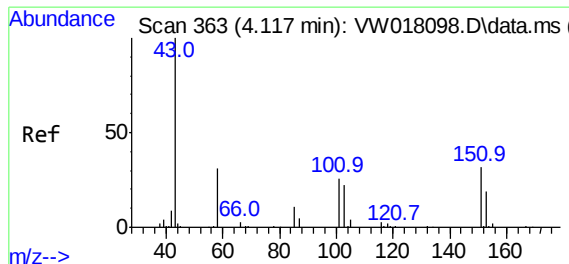
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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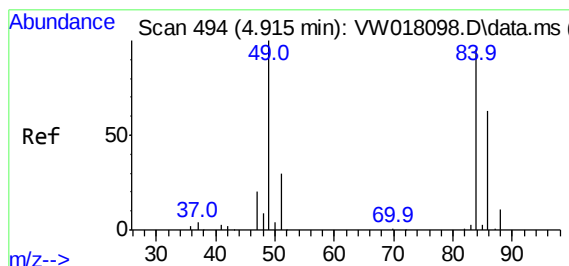
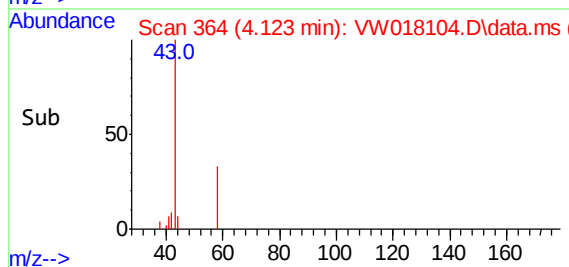
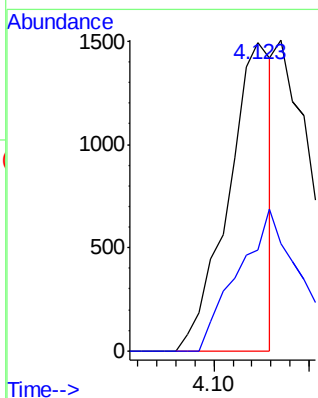
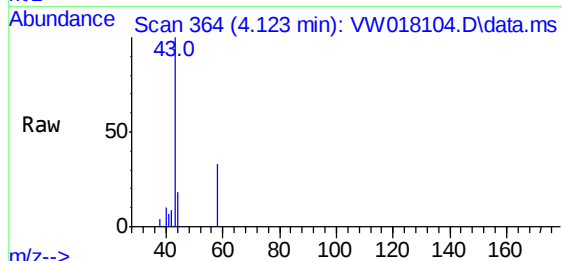




#13
Acetone
Concen: 12.34 ug/L
RT: 4.123 min Scan# 364
Delta R.T. 0.006 min
Lab File: VW018104.D
Acq: 12 Feb 2021 12:48

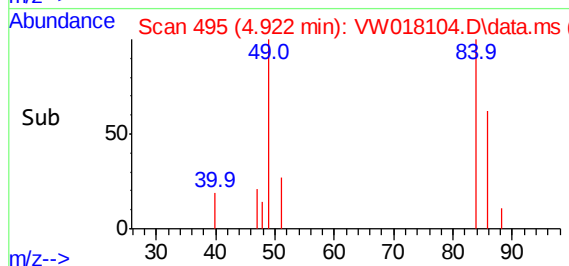
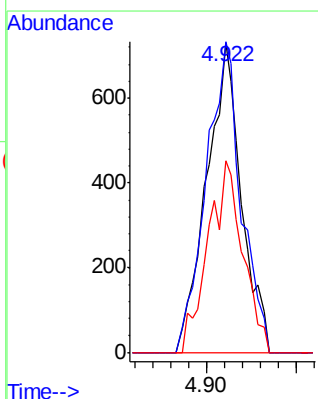
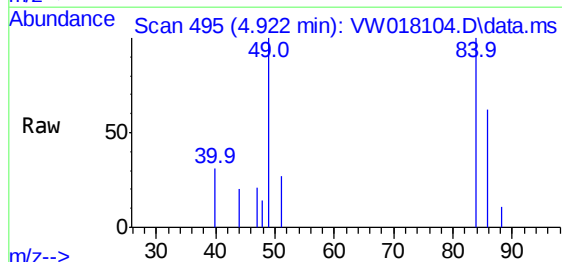
Instrument :
MSVOA_W
ClientSampled :
DBH25

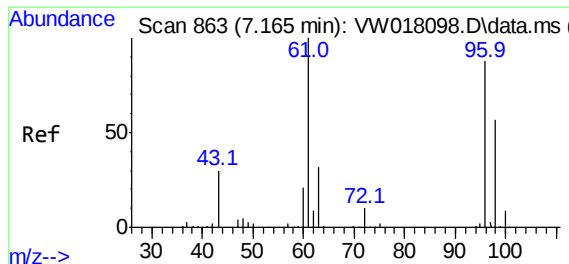
Tgt Ion: 43 Resp: 2376
Ion Ratio Lower Upper
43 100
58 68.5 0.0 68.4#



#16
Methylene chloride
Concen: 1.56 ug/L
RT: 4.922 min Scan# 495
Delta R.T. 0.006 min
Lab File: VW018104.D
Acq: 12 Feb 2021 12:48

Tgt Ion: 84 Resp: 1959
Ion Ratio Lower Upper
84 100
49 100.4 81.2 150.8
86 61.9 44.5 82.7

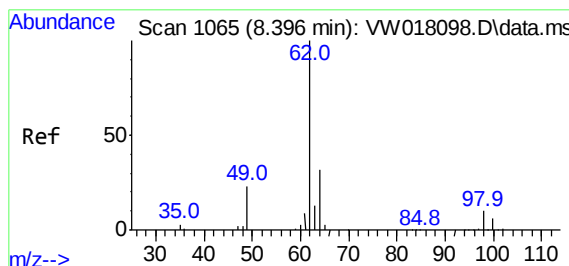
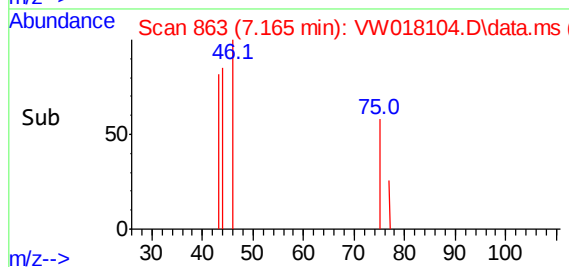
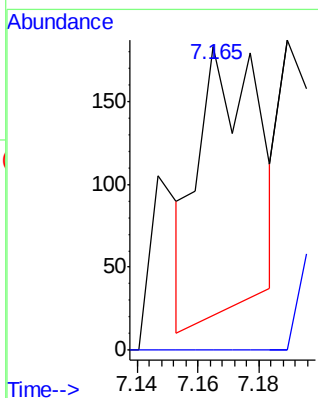
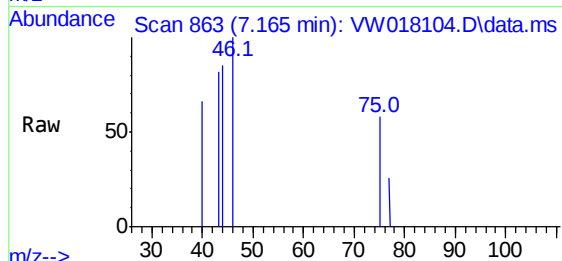




#21
2-Butanone
Concen: 0.73 ug/L
RT: 7.165 min Scan# 863
Delta R.T. 0.000 min
Lab File: VW018104.D
Acq: 12 Feb 2021 12:48

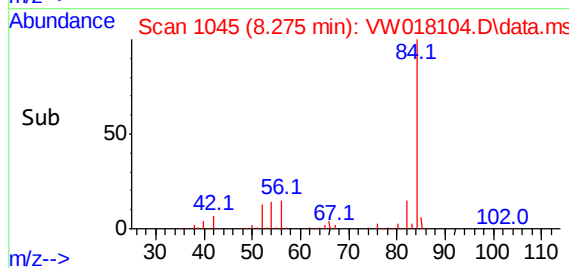
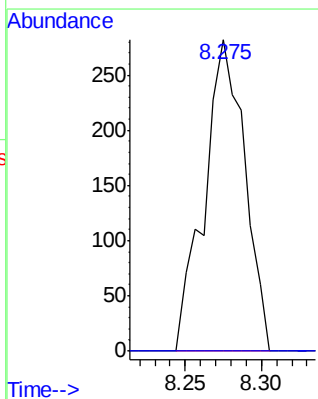
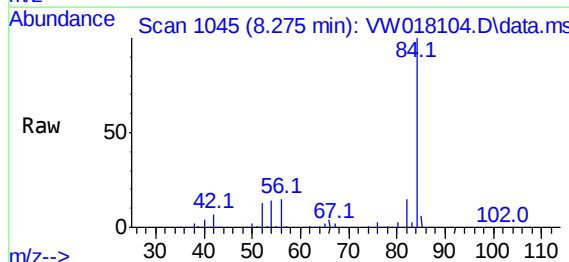
Instrument :
MSVOA_W
ClientSampled :
DBH25

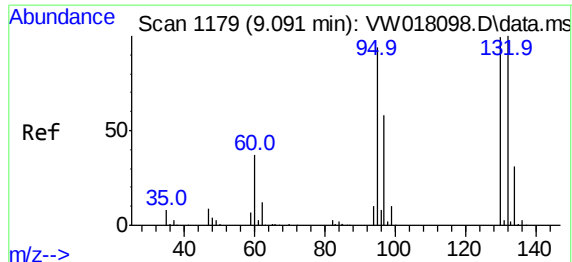
Tgt Ion: 43 Resp: 213
Ion Ratio Lower Upper
43 100
72 0.0 14.4 43.2#



#27
1,2-Dichloroethane
Concen: 0.41 ug/L
RT: 8.275 min Scan# 1045
Delta R.T. -0.122 min
Lab File: VW018104.D
Acq: 12 Feb 2021 12:48

Tgt Ion: 62 Resp: 519
Ion Ratio Lower Upper
62 100
98 0.0 8.0 12.0#

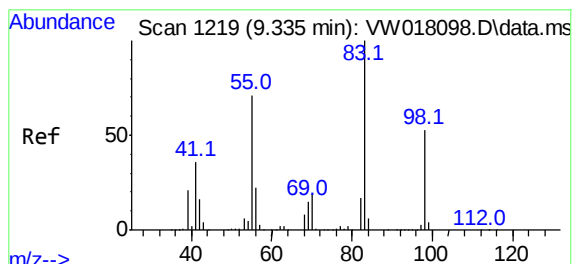
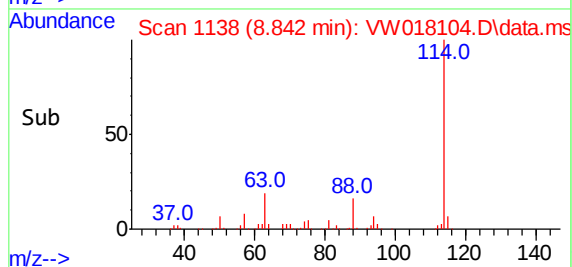
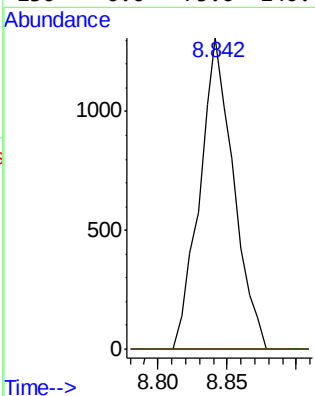
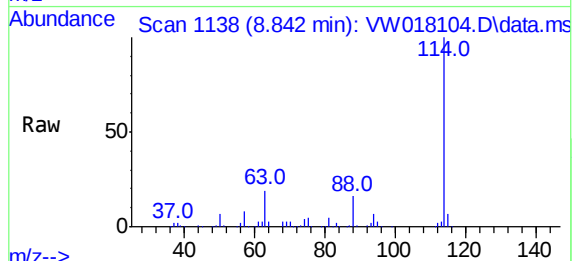




#35
Trichloroethene
Concen: 1.86 ug/L
RT: 8.842 min Scan# 1138
Delta R.T. -0.250 min
Lab File: VW018104.D
Acq: 12 Feb 2021 12:48

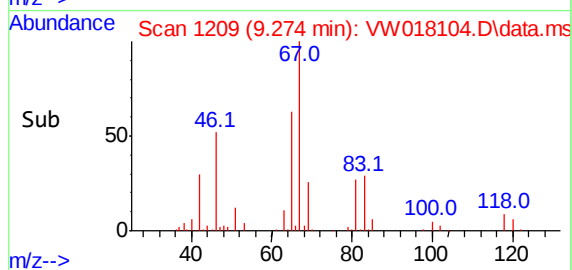
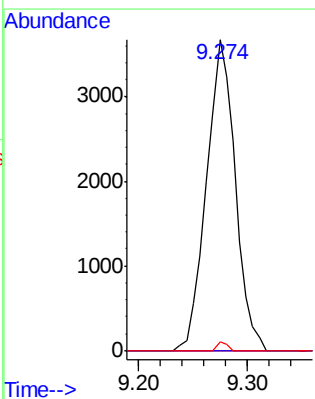
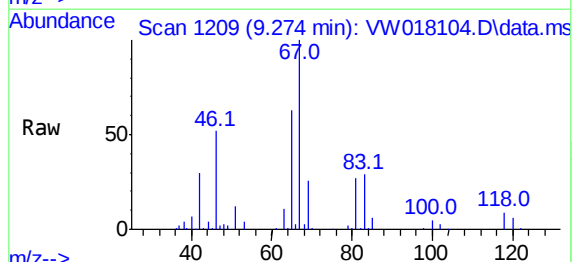
Instrument :
MSVOA_W
ClientSampleId :
DBH25

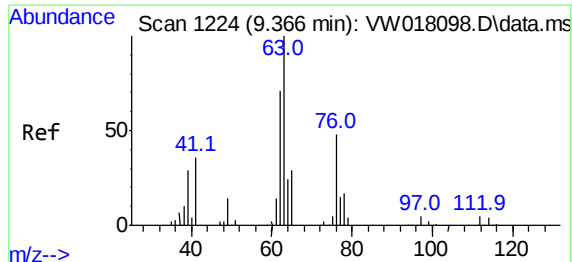
Tgt Ion:	95	Resp:	2217
Ion	Ratio	Lower	Upper
95	100		
97	0.0	45.0	83.6#
132	0.0	71.0	131.8#
130	0.0	75.6	140.4#



#36
Methylcyclohexane
Concen: 3.36 ug/L
RT: 9.274 min Scan# 1209
Delta R.T. -0.061 min
Lab File: VW018104.D
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Tgt Ion:	83	Resp:	6726
Ion	Ratio	Lower	Upper
83	100		
55	0.0	59.4	89.0#
98	1.0	40.7	61.1#

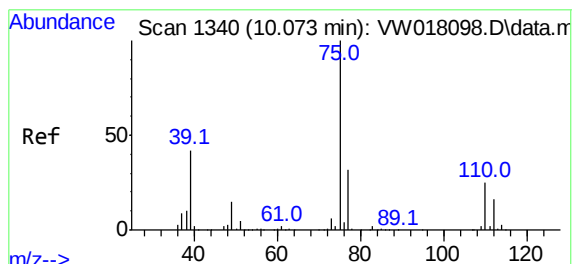
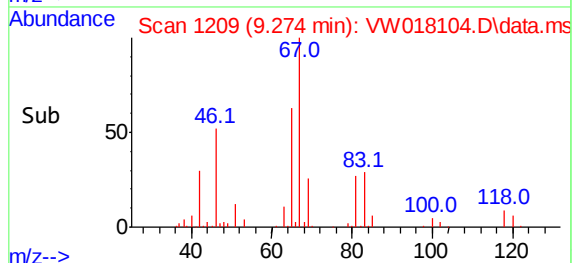
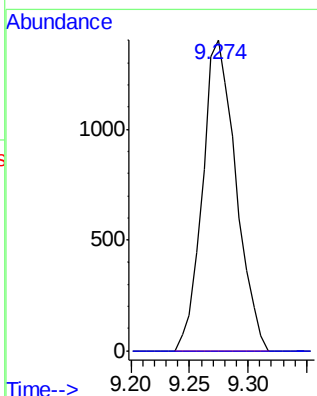
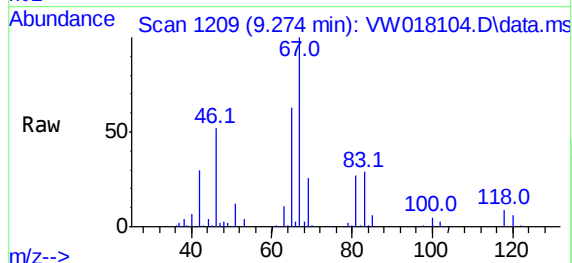




#40
1,2-Dichloropropane
Concen: 2.87 ug/L
RT: 9.274 min Scan# 1209
Delta R.T. -0.091 min
Lab File: VW018104.D
Acq: 12 Feb 2021 12:48

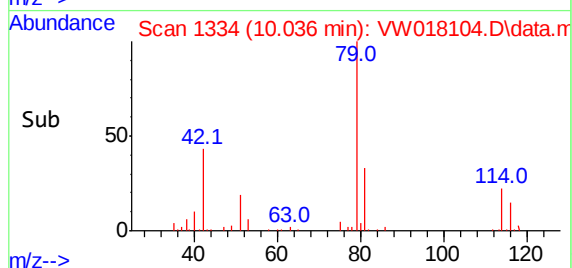
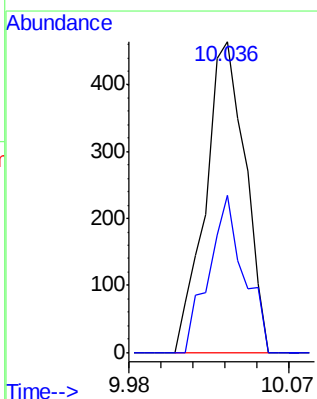
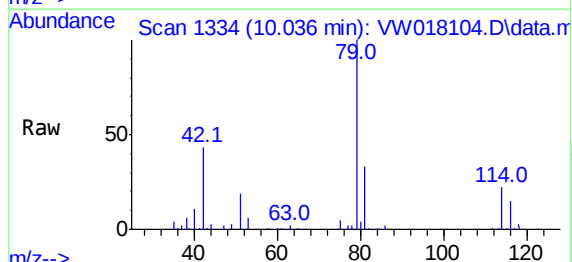
Instrument :
MSVOA_W
ClientSampled :
DBH25

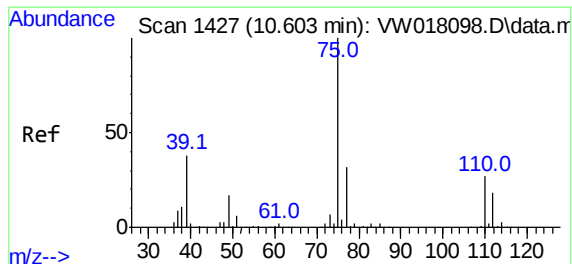
Tgt Ion: 63 Resp: 2789
Ion Ratio Lower Upper
63 100
112 0.0 4.2 6.4#



#42
cis-1,3-Dichloropropene
Concen: 0.48 ug/L
RT: 10.036 min Scan# 1334
Delta R.T. -0.037 min
Lab File: VW018104.D
Acq: 12 Feb 2021 12:48

Tgt Ion: 75 Resp: 749
Ion Ratio Lower Upper
75 100
77 50.4 22.7 42.3#

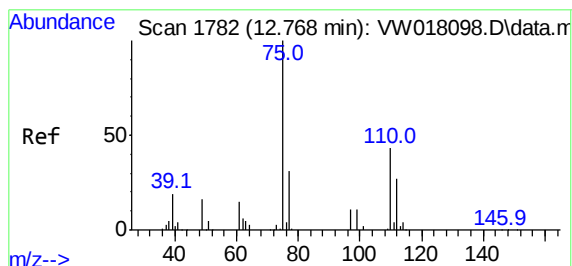
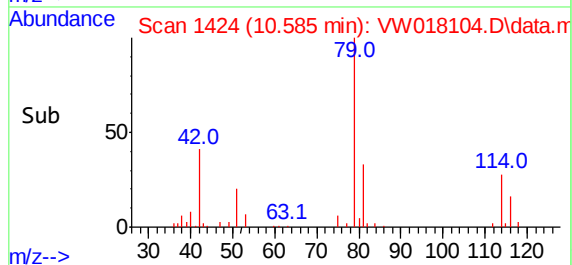
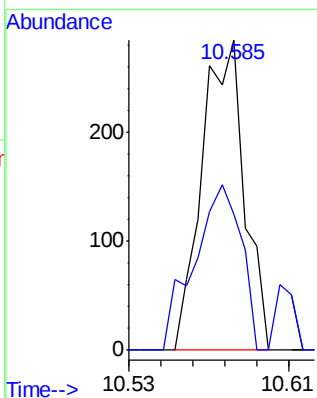
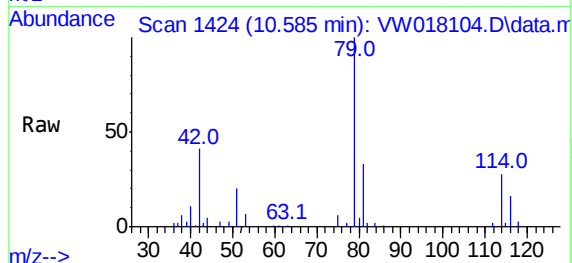




#45
trans-1,3-Dichloropropene
Concen: 0.32 ug/L
RT: 10.585 min Scan# 1424
Delta R.T. -0.018 min
Lab File: VW018104.D
Acq: 12 Feb 2021 12:48

Instrument :
MSVOA_W
ClientSampled :
DBH25

Tgt Ion: 75 Resp: 433
Ion Ratio Lower Upper
75 100
77 43.9 22.6 42.0#



#59
1,2,3-Trichloropropane
Concen: 4.10 ug/L
RT: 13.554 min Scan# 1911
Delta R.T. 0.786 min
Lab File: VW018104.D
Acq: 12 Feb 2021 12:48

Tgt Ion: 75 Resp: 3044
Ion Ratio Lower Upper
75 100
77 35.4 26.6 39.8

