

Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW020221\
 Data File : VW018013.D
 Acq On : 02 Feb 2021 16:11
 Operator : SY/VA
 Sample : M1298-17
 Misc : 4.90G/10ML/MSVOA_W/SOIL
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 C0AB7

Quant Time: Feb 03 00:27:02 2021
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\SOM2WLM012921S.M
 Quant Title : VOC Analysis
 QLast Update : Wed Feb 03 00:24:42 2021
 Response via : Initial Calibration

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

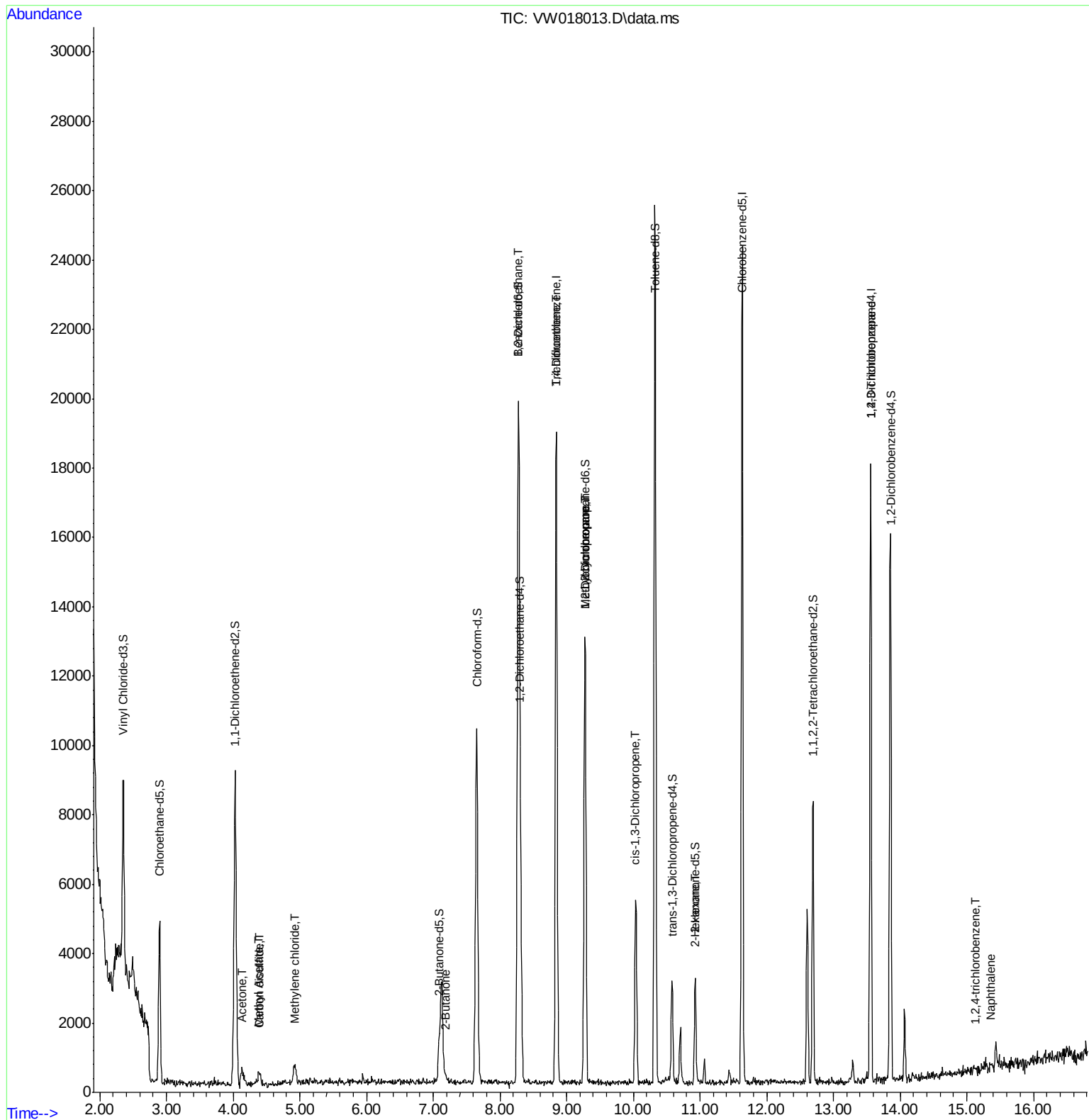
Internal Standards						
1) 1,4-Difluorobenzene	8.848	114	16900	25.00	ug/L	0.00
28) Chlorobenzene-d5	11.634	117	13980	25.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	13.560	152	5198	25.00	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	2.355	65	5281	25.14	ug/L	0.00
Spiked Amount 25.000	Range 30 - 150		Recovery = 100.56%			
7) Chloroethane-d5	2.897	69	5247	31.48	ug/L	0.00
Spiked Amount 25.000	Range 30 - 150		Recovery = 125.92%			
10) 1,1-Dichloroethene-d2	4.025	63	8446	20.11	ug/L	0.00
Spiked Amount 25.000	Range 45 - 110		Recovery = 80.44%			
20) 2-Butanone-d5	7.086	46	2029	36.20	ug/L	0.01
Spiked Amount 50.000	Range 20 - 135		Recovery = 72.40%			
24) Chloroform-d	7.653	84	11542	26.02	ug/L	0.00
Spiked Amount 25.000	Range 40 - 150		Recovery = 104.08%			
26) 1,2-Dichloroethane-d4	8.305	65	5685	24.07	ug/L	0.00
Spiked Amount 25.000	Range 70 - 130		Recovery = 96.28%			
29) Benzene-d6	8.275	84	21187	27.60	ug/L	0.00
Spiked Amount 25.000	Range 20 - 135		Recovery = 110.40%			
33) 1,2-Dichloropropane-d6	9.274	67	6362	29.63	ug/L	0.00
Spiked Amount 25.000	Range 70 - 120		Recovery = 118.52%			
37) Toluene-d8	10.323	98	17214	23.57	ug/L	0.00
Spiked Amount 25.000	Range 30 - 130		Recovery = 94.28%			
38) trans-1,3-Dichloroprop...	10.579	79	1937	19.90	ug/L	0.00
Spiked Amount 25.000	Range 30 - 135		Recovery = 79.60%			
39) 2-Hexanone-d5	10.927	63	1287	31.35	ug/L	0.00
Spiked Amount 50.000	Range 20 - 135		Recovery = 62.70%			
48) 1,1,2,2-Tetrachloroeth...	12.694	84	4185	22.19	ug/L	0.00
Spiked Amount 25.000	Range 45 - 120		Recovery = 88.76%			
61) 1,2-Dichlorobenzene-d4	13.859	152	4747	25.60	ug/L	0.00
Spiked Amount 25.000	Range 75 - 120		Recovery = 102.40%			
Target Compounds					Qvalue	
13) Acetone	4.129	43	704	16.98	ug/L	96
14) Carbon disulfide	4.391	76	159	0.24	ug/L #	76
15) Methyl Acetate	4.379	43	48	0.52	ug/L #	49
16) Methylene chloride	4.922	84	341	1.26	ug/L #	72
21) 2-Butanone	7.183	43	44	0.70	ug/L #	46
27) 1,2-Dichloroethane	8.275	62	98	0.36	ug/L #	73
35) Trichloroethene	8.848	95	413	1.79	ug/L #	3
36) Methylcyclohexane	9.280	83	1643	4.24	ug/L #	18
40) 1,2-Dichloropropane	9.280	63	715	3.81	ug/L #	84
42) cis-1,3-Dichloropropene	10.030	75	167	0.55	ug/L #	42
49) 2-Hexanone	10.920	43	87	1.07	ug/L #	33
59) 1,2,3-Trichloropropane	13.560	75	541	3.77	ug/L #	69
68) 1,2,4-trichlorobenzene	15.127	180	61	0.29	ug/L #	15
69) Naphthalene	15.365	128	215	0.52	ug/L #	69

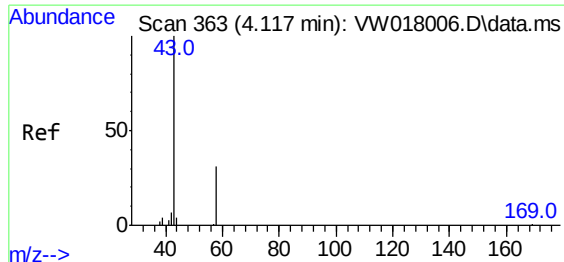
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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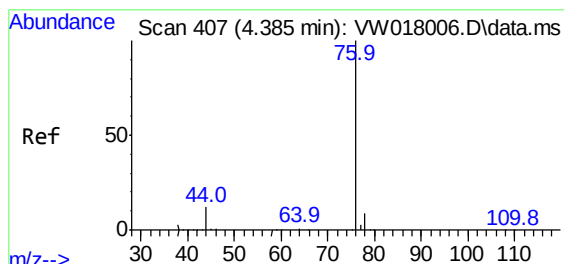
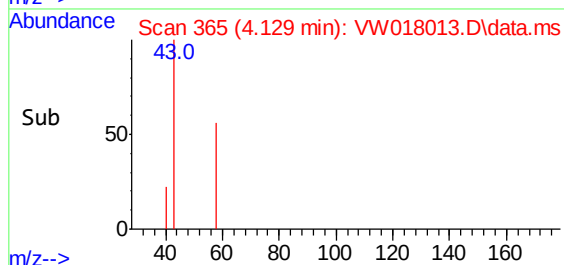
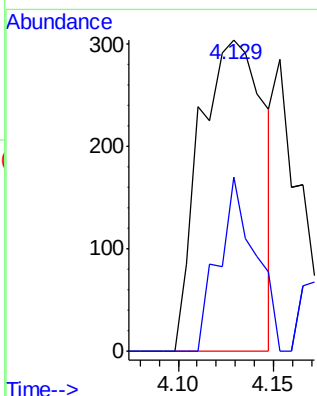
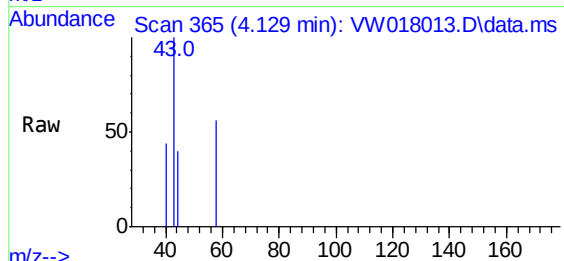




#13
Acetone
Concen: 16.98 ug/L
RT: 4.129 min Scan# 365
Delta R.T. 0.012 min
Lab File: VW018013.D
Acq: 02 Feb 2021 16:11

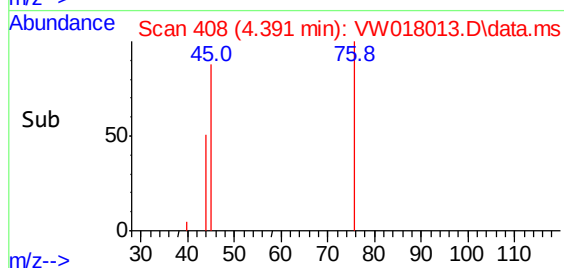
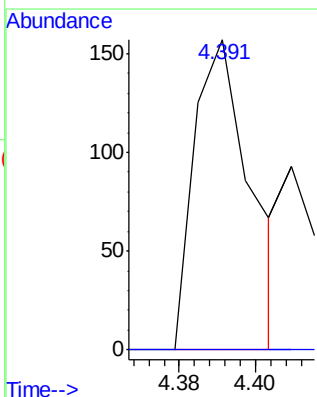
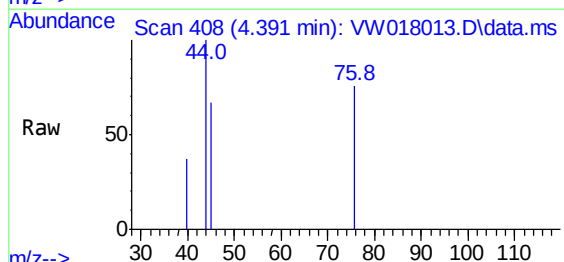
Instrument :
MSVOA_W
ClientSampled :
C0AB7

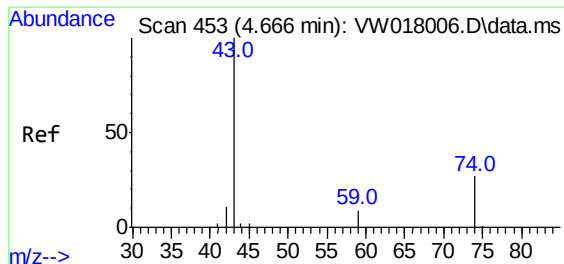
Tgt Ion: 43 Resp: 704
Ion Ratio Lower Upper
43 100
58 32.1 0.0 68.4



#14
Carbon disulfide
Concen: 0.24 ug/L
RT: 4.391 min Scan# 408
Delta R.T. 0.006 min
Lab File: VW018013.D
Acq: 02 Feb 2021 16:11

Tgt Ion: 76 Resp: 159
Ion Ratio Lower Upper
76 100
78 0.0 7.0 10.4

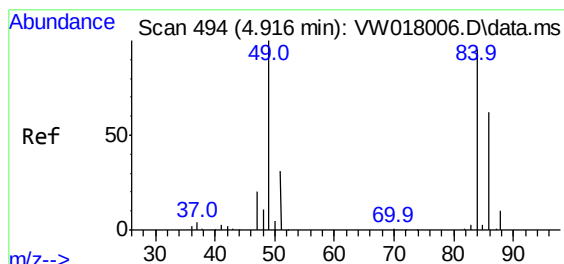
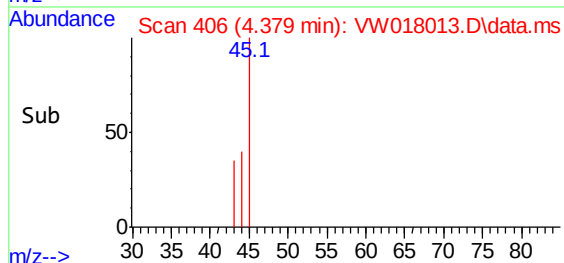
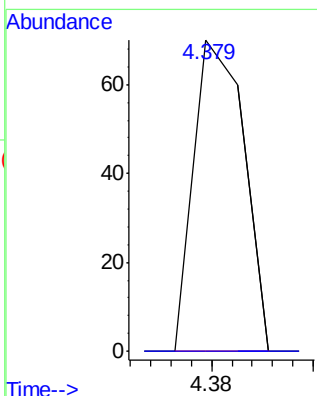
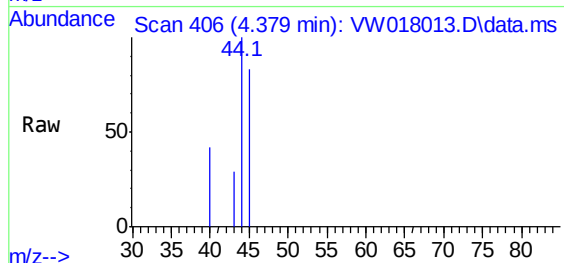




#15
Methyl Acetate
Concen: 0.52 ug/L
RT: 4.379 min Scan# 406
Delta R.T. -0.287 min
Lab File: VW018013.D
Acq: 02 Feb 2021 16:11

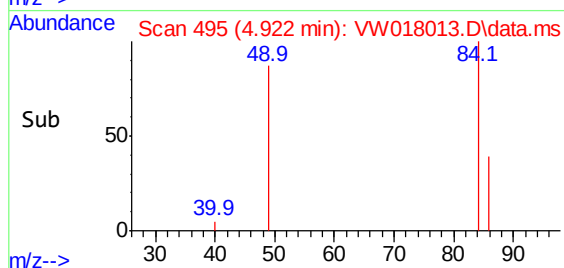
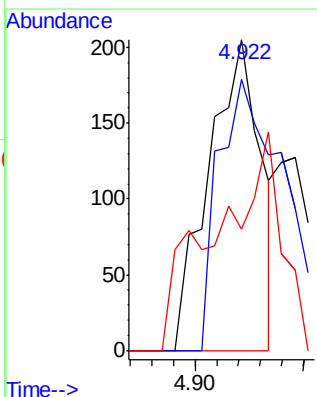
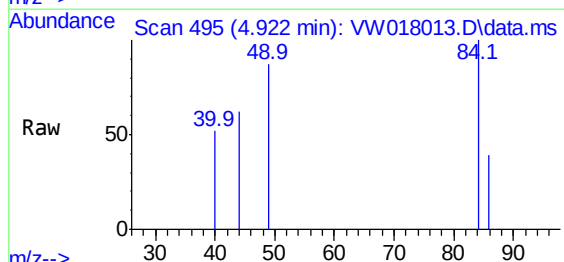
Instrument :
MSVOA_W
ClientSampleId :
C0AB7

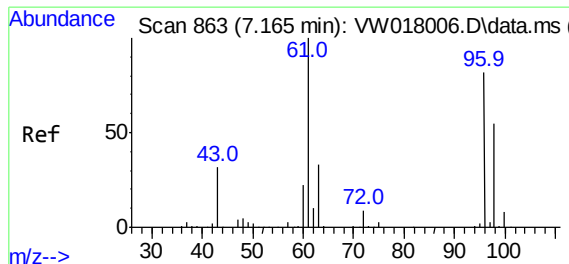
Tgt Ion: 43 Resp: 48
Ion Ratio Lower Upper
43 100
74 0.0 20.7 31.1#



#16
Methylene chloride
Concen: 1.26 ug/L
RT: 4.922 min Scan# 495
Delta R.T. 0.006 min
Lab File: VW018013.D
Acq: 02 Feb 2021 16:11

Tgt Ion: 84 Resp: 341
Ion Ratio Lower Upper
84 100
49 87.3 81.2 150.8
86 39.0 44.5 82.7#

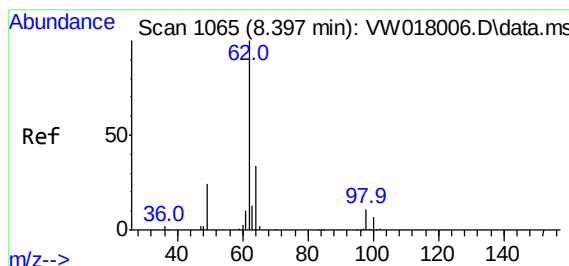
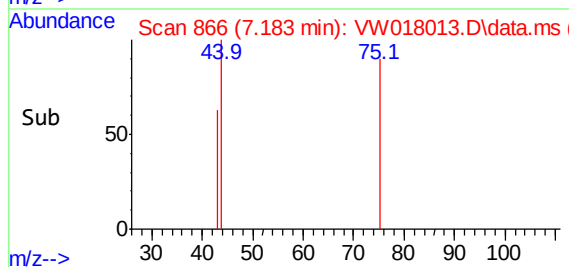
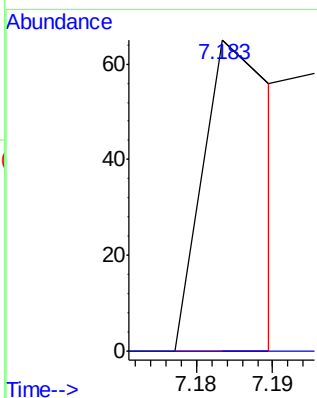
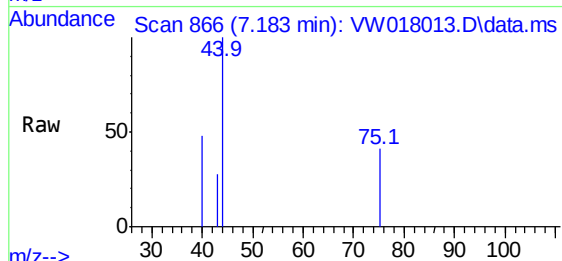




#21
 2-Butanone
 Concen: 0.70 ug/L
 RT: 7.183 min Scan# 866
 Delta R.T. 0.018 min
 Lab File: VW018013.D
 Acq: 02 Feb 2021 16:11

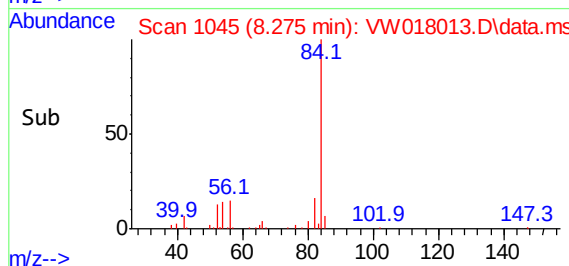
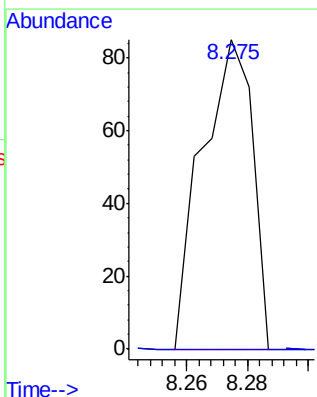
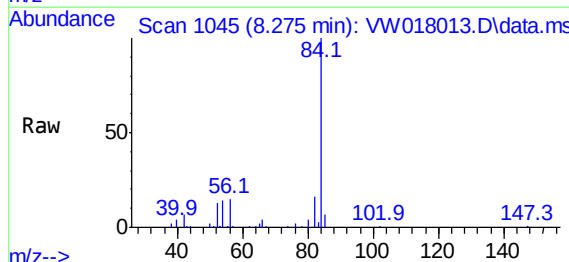
Instrument :
 MSVOA_W
 ClientSampleId :
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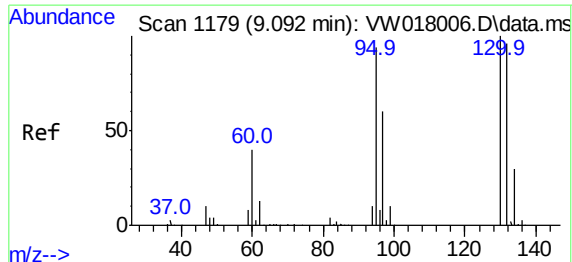
Tgt Ion: 43 Resp: 44
 Ion Ratio Lower Upper
 43 100
 72 0.0 14.4 43.2#



#27
 1,2-Dichloroethane
 Concen: 0.36 ug/L
 RT: 8.275 min Scan# 1045
 Delta R.T. -0.122 min
 Lab File: VW018013.D
 Acq: 02 Feb 2021 16:11

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



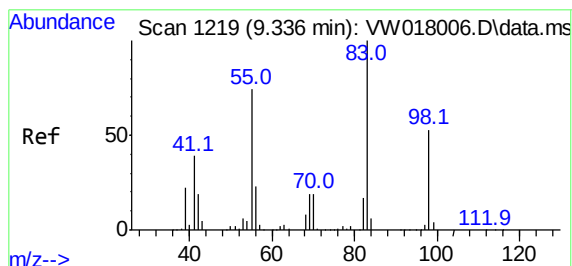
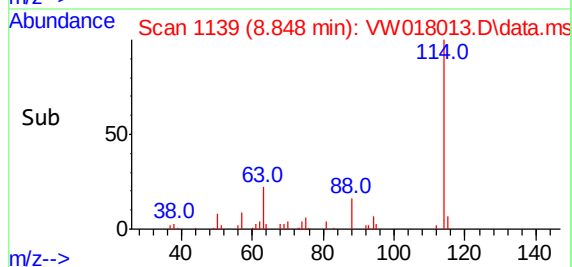
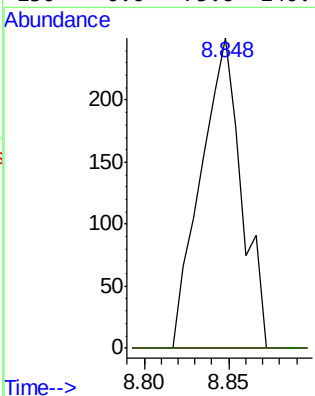
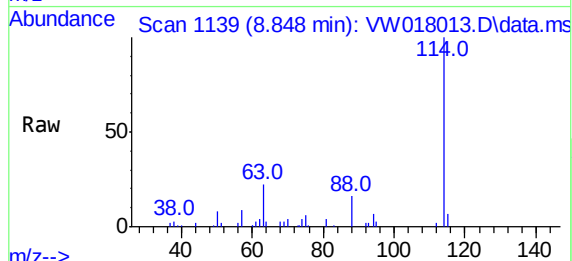


#35
Trichloroethene
Concen: 1.79 ug/L
RT: 8.848 min Scan# 1139
Delta R.T. -0.244 min
Lab File: VW018013.D
Acq: 02 Feb 2021 16:11

Instrument :
MSVOA_W
ClientSampleId :
C0AB7

Tgt Ion: 95 Resp: 413

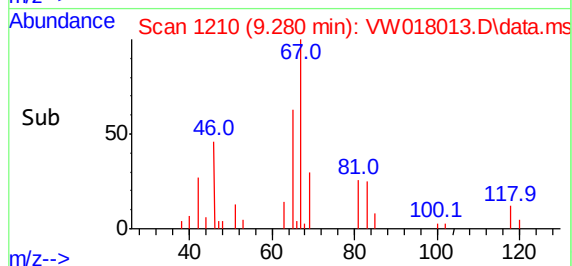
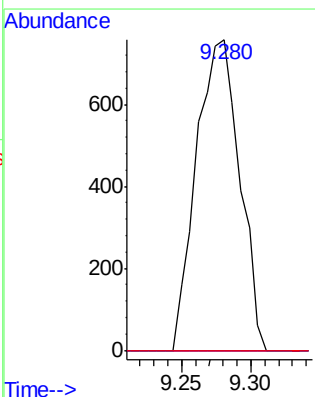
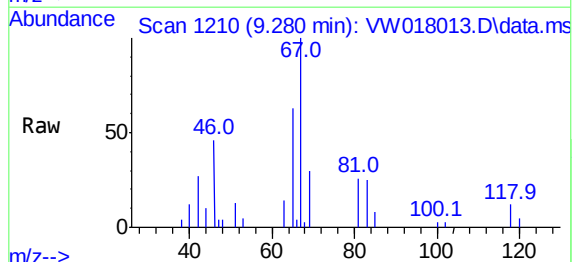
Ion	Ratio	Lower	Upper
95	100		
97	0.0	45.0	83.6#
132	0.0	71.0	131.8#
130	0.0	75.6	140.4#

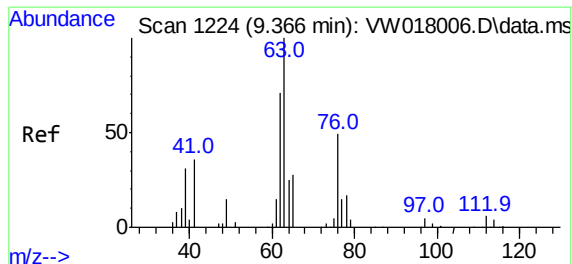


#36
Methylcyclohexane
Concen: 4.24 ug/L
RT: 9.280 min Scan# 1210
Delta R.T. -0.055 min
Lab File: VW018013.D
Acq: 02 Feb 2021 16:11

Tgt Ion: 83 Resp: 1643

Ion	Ratio	Lower	Upper
83	100		
55	0.0	59.4	89.0#
98	0.0	40.7	61.1#

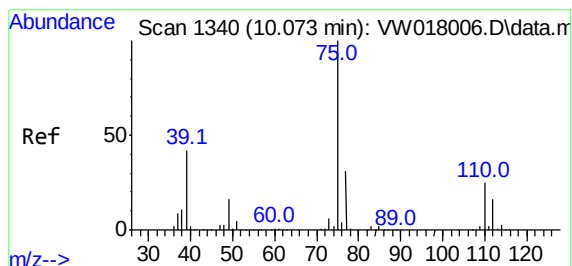
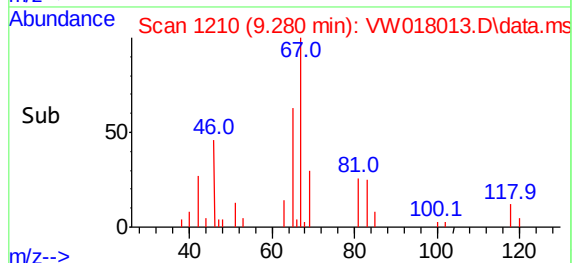
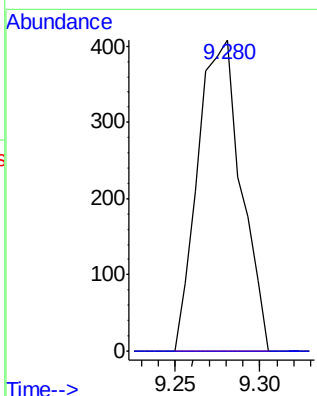
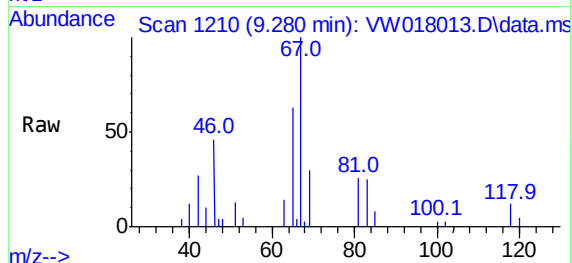




#40
1,2-Dichloropropane
Concen: 3.81 ug/L
RT: 9.280 min Scan# 1210
Delta R.T. -0.086 min
Lab File: VW018013.D
Acq: 02 Feb 2021 16:11

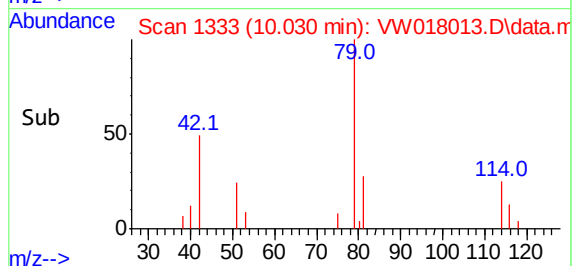
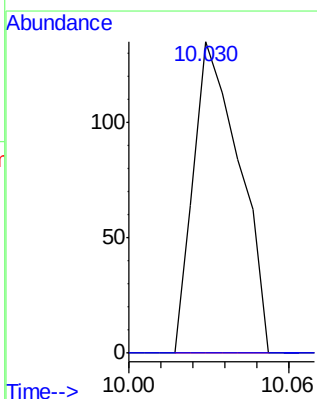
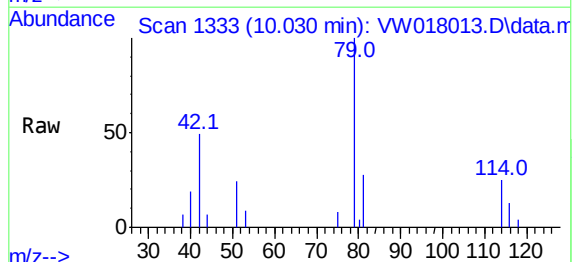
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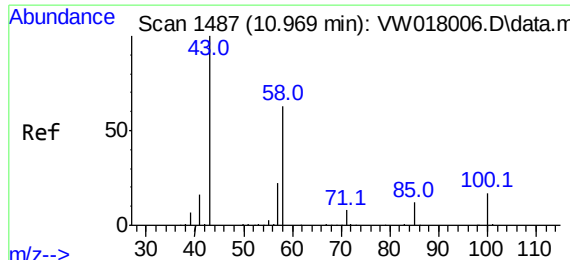
Tgt Ion: 63 Resp: 715
Ion Ratio Lower Upper
63 100
112 0.0 4.2 6.4#



#42
cis-1,3-Dichloropropene
Concen: 0.55 ug/L
RT: 10.030 min Scan# 1333
Delta R.T. -0.043 min
Lab File: VW018013.D
Acq: 02 Feb 2021 16:11

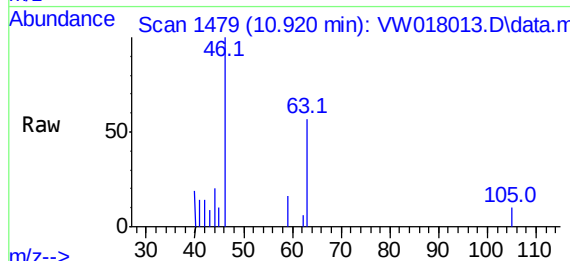
Tgt Ion: 75 Resp: 167
Ion Ratio Lower Upper
75 100
77 0.0 22.7 42.3#





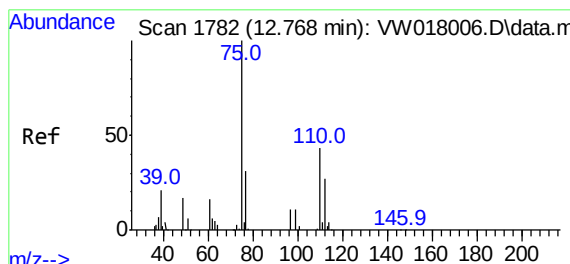
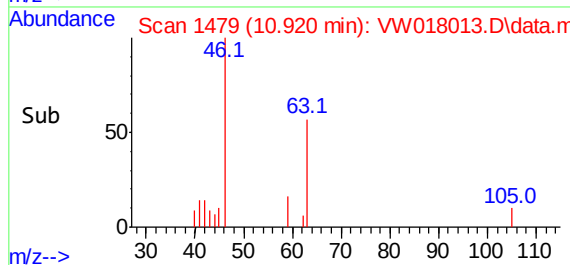
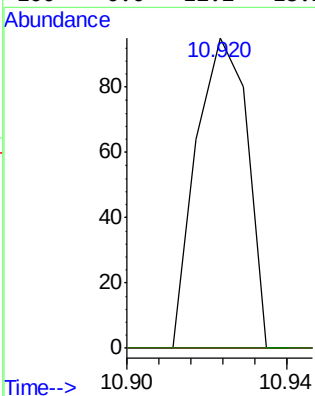
#49
2-Hexanone
Concen: 1.07 ug/L
RT: 10.920 min Scan# 1479
Delta R.T. -0.049 min
Lab File: VW018013.D
Acq: 02 Feb 2021 16:11

Instrument :
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Tgt Ion: 43 Resp: 87

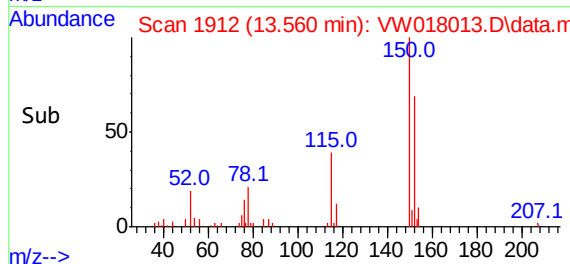
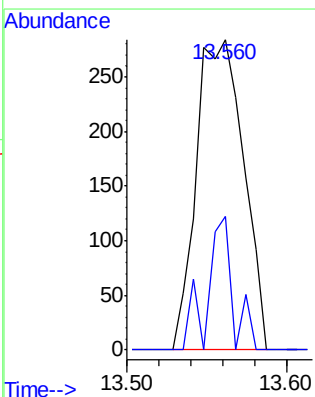
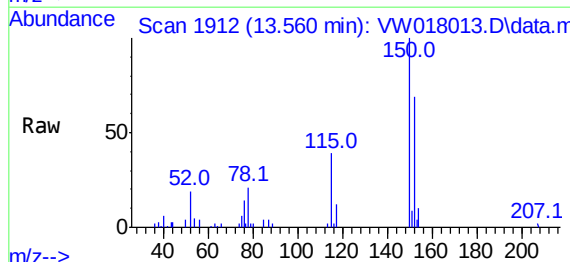
Ion	Ratio	Lower	Upper
43	100		
58	0.0	51.3	76.9#
57	0.0	15.0	22.6#
100	0.0	12.2	18.2#

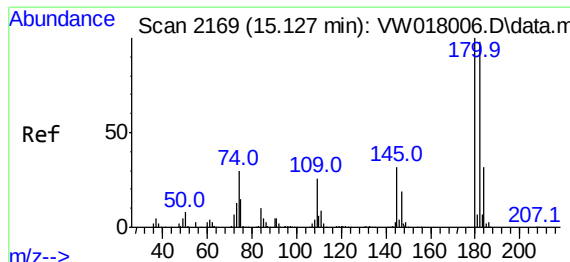


#59
1,2,3-Trichloropropane
Concen: 3.77 ug/L
RT: 13.560 min Scan# 1912
Delta R.T. 0.792 min
Lab File: VW018013.D
Acq: 02 Feb 2021 16:11

Tgt Ion: 75 Resp: 541

Ion	Ratio	Lower	Upper
75	100		
77	15.5	26.6	39.8#

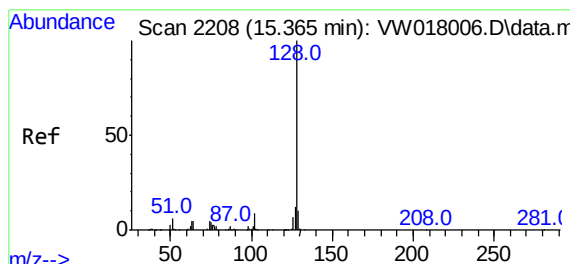
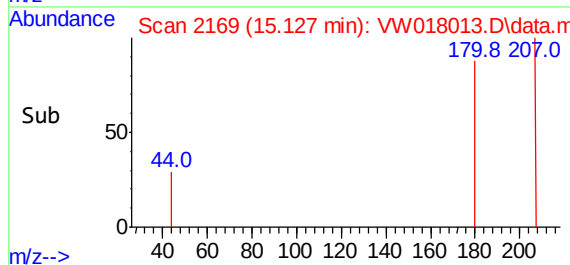
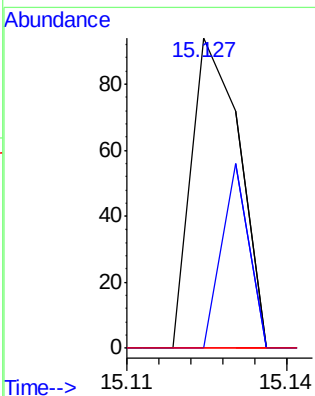
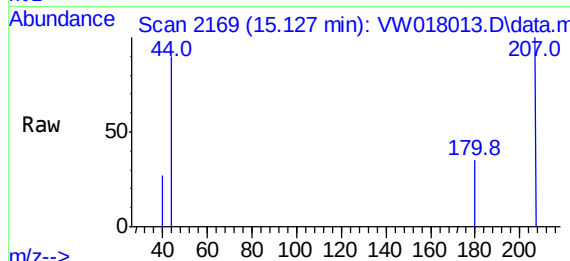




#68
1,2,4-trichlorobenzene
Concen: 0.29 ug/L
RT: 15.127 min Scan# 2169
Delta R.T. -0.000 min
Lab File: VW018013.D
Acq: 02 Feb 2021 16:11

Instrument :
MSVOA_W
ClientSampleId :
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Tgt Ion:180 Resp: 61
Ion Ratio Lower Upper
180 100
182 0.0 71.3 106.9#
145 0.0 24.0 36.0#



#69
Naphthalene
Concen: 0.52 ug/L
RT: 15.365 min Scan# 2208
Delta R.T. -0.000 min
Lab File: VW018013.D
Acq: 02 Feb 2021 16:11

Tgt Ion:128 Resp: 215
Ion Ratio Lower Upper
128 100
129 0.0 8.7 13.1#
127 0.0 10.7 16.1#

