

Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW032521\
 Data File : VW018452.D
 Acq On : 25 Mar 2021 13:00
 Operator : SY/VA
 Sample : M1781-03
 Misc : 3.87G/10ML/MSVOA_W/SOIL
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 BG4C4

Quant Time: Mar 26 01:30:56 2021
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\SOM2WLM031921S.M
 Quant Title : VOC Analysis
 QLast Update : Fri Mar 26 01:29:58 2021
 Response via : Initial Calibration

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

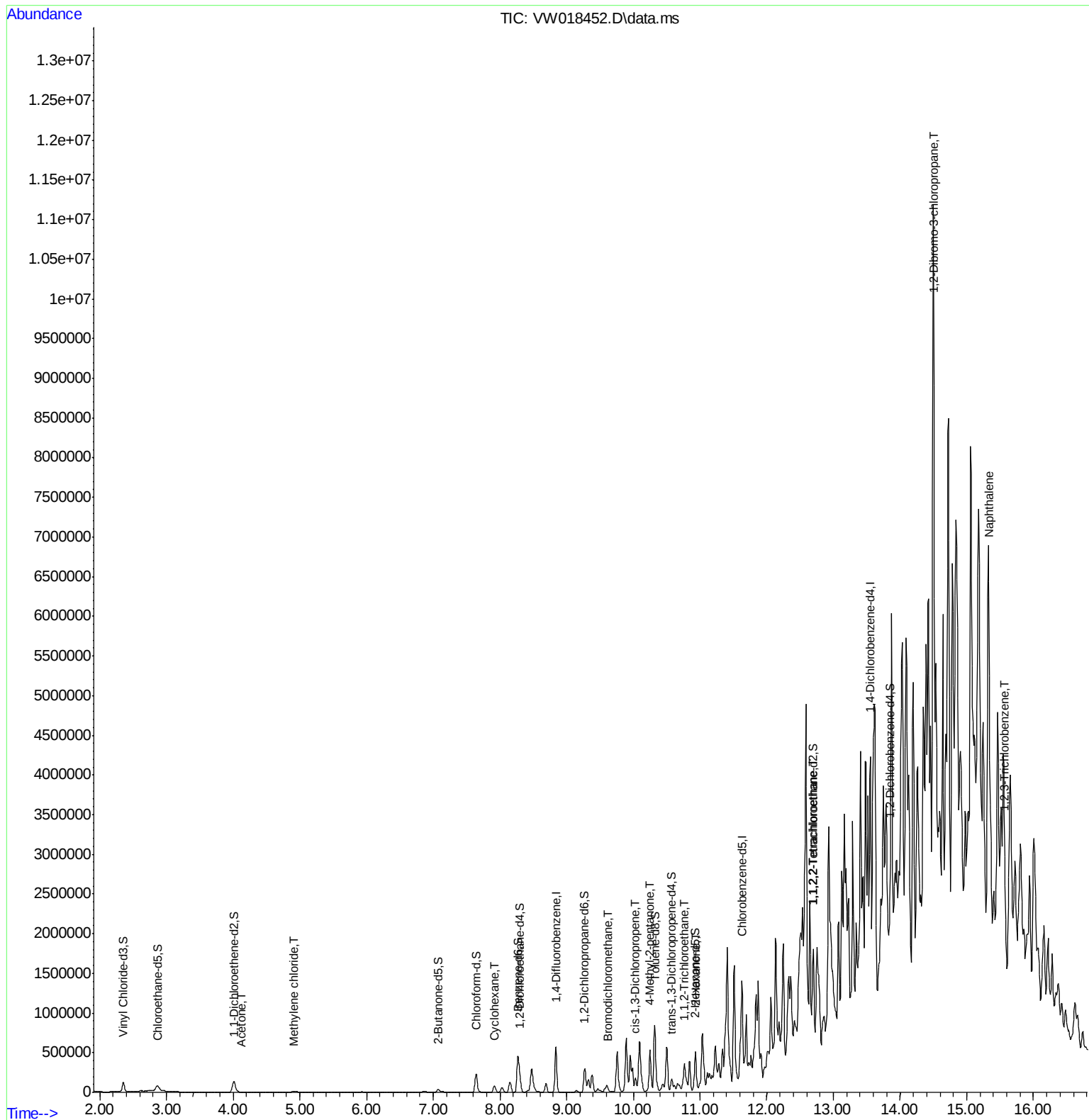
Internal Standards						
1) 1,4-Difluorobenzene	8.842	114	475255	25.00	ug/L	0.00
28) Chlorobenzene-d5	11.628	117	469462	25.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	13.554	152	298687	25.00	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	2.355	65	128784	19.47	ug/L	0.00
Spiked Amount 25.000	Range 30 - 150		Recovery =	77.88%		
7) Chloroethane-d5	2.867	69	118912	20.54	ug/L	-0.02
Spiked Amount 25.000	Range 30 - 150		Recovery =	82.16%		
10) 1,1-Dichloroethene-d2	4.013	63	159168	13.94	ug/L	-0.01
Spiked Amount 25.000	Range 45 - 110		Recovery =	55.76%		
20) 2-Butanone-d5	7.074	46	61754	41.94	ug/L	0.00
Spiked Amount 50.000	Range 20 - 135		Recovery =	83.88%		
24) Chloroform-d	7.647	84	231466	19.12	ug/L	0.00
Spiked Amount 25.000	Range 40 - 150		Recovery =	76.48%		
26) 1,2-Dichloroethane-d4	8.299	65	142605	20.18	ug/L	0.00
Spiked Amount 25.000	Range 70 - 130		Recovery =	80.72%		
29) Benzene-d6	8.269	84	454508	18.21	ug/L	0.00
Spiked Amount 25.000	Range 20 - 135		Recovery =	72.84%		
33) 1,2-Dichloropropane-d6	9.268	67	131226	18.23	ug/L	0.00
Spiked Amount 25.000	Range 70 - 120		Recovery =	72.92%		
37) Toluene-d8	10.323	98	448590	18.67	ug/L	0.00
Spiked Amount 25.000	Range 30 - 130		Recovery =	74.68%		
38) trans-1,3-Dichloroprop...	10.573	79	63218	17.03	ug/L	0.00
Spiked Amount 25.000	Range 30 - 135		Recovery =	68.12%		
39) 2-Hexanone-d5	10.921	63	54553	38.72	ug/L	0.00
Spiked Amount 50.000	Range 20 - 135		Recovery =	77.44%		
48) 1,1,2,2-Tetrachloroeth...	12.695	84	148224	23.02	ug/L	0.00
Spiked Amount 25.000	Range 45 - 120		Recovery =	92.08%		
61) 1,2-Dichlorobenzene-d4	13.853	152	209959	19.77	ug/L	0.00
Spiked Amount 25.000	Range 75 - 120		Recovery =	79.08%		
Target Compounds						
13) Acetone	4.123	43	2747	2.60	ug/L	58
16) Methylene chloride	4.909	84	12987	1.67	ug/L	92
30) Cyclohexane	7.921	56	15444	1.39	ug/L #	39
41) Bromodichloromethane	9.616	83	9730	1.03	ug/L #	40
42) cis-1,3-Dichloropropene	10.030	75	5040	0.45	ug/L	85
43) 4-Methyl-2-pentanone	10.250	43	66739	16.69	ug/L #	67
46) 1,1,2-Trichloroethane	10.762	97	57972	10.93	ug/L #	33
49) 2-Hexanone	10.933	43	150041	53.02	ug/L #	16
58) 1,1,2,2-Tetrachloroethane	12.701	83	34632	5.40	ug/L #	1
66) 1,2-Dibromo-3-chloropr...	14.499	75	24879	16.11	ug/L #	33
69) Naphthalene	15.328	128	100552	4.12	ug/L #	1
70) 1,2,3-Trichlorobenzene	15.566	180	5108	0.50	ug/L #	1

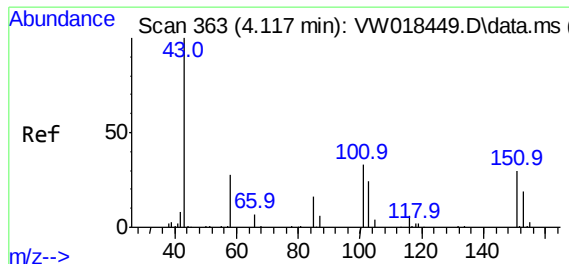
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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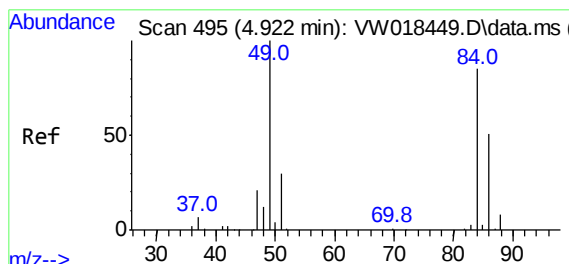
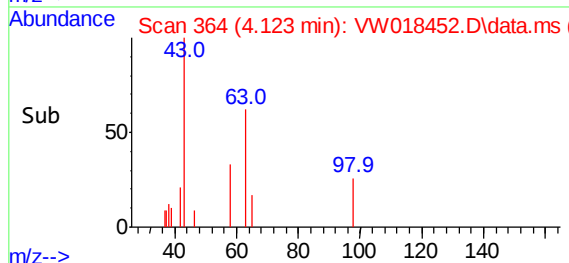
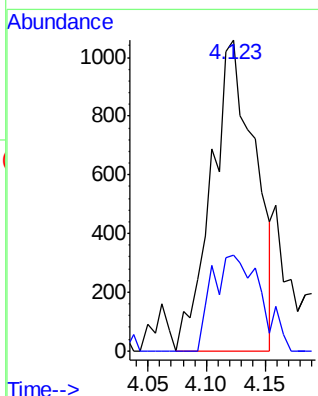
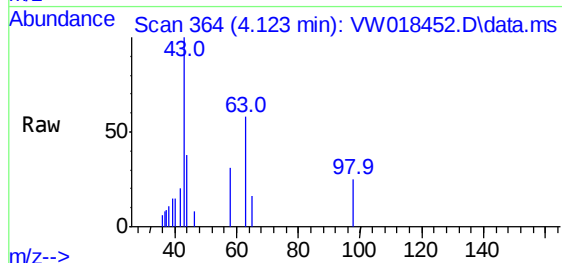




#13
Acetone
Concen: 2.60 ug/L
RT: 4.123 min Scan# 364
Delta R.T. 0.006 min
Lab File: VW018452.D
Acq: 25 Mar 2021 13:00

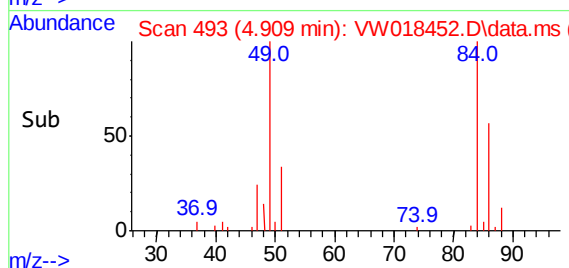
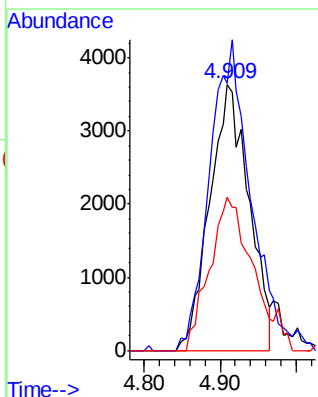
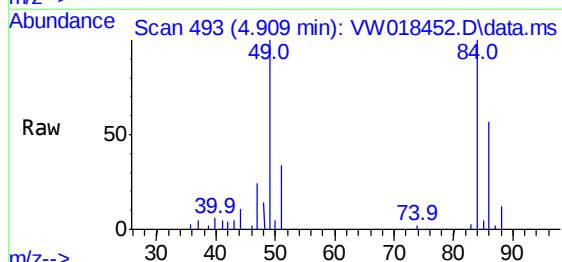
Instrument :
MSVOA_W
ClientSampled :
BG4C4

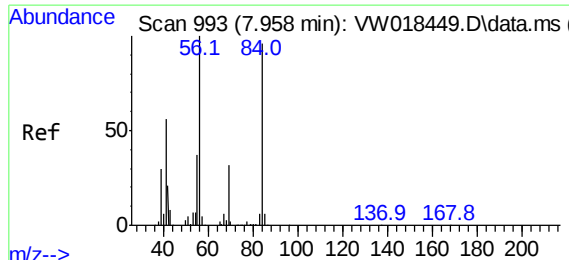
Tgt Ion: 43 Resp: 2747
Ion Ratio Lower Upper
43 100
58 7.9 0.0 62.2



#16
Methylene chloride
Concen: 1.67 ug/L
RT: 4.909 min Scan# 493
Delta R.T. -0.012 min
Lab File: VW018452.D
Acq: 25 Mar 2021 13:00

Tgt Ion: 84 Resp: 12987
Ion Ratio Lower Upper
84 100
49 100.1 74.4 138.2
86 57.5 46.1 85.7

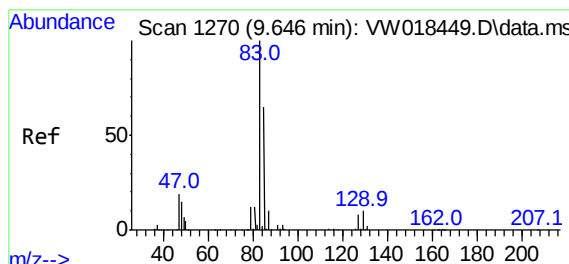
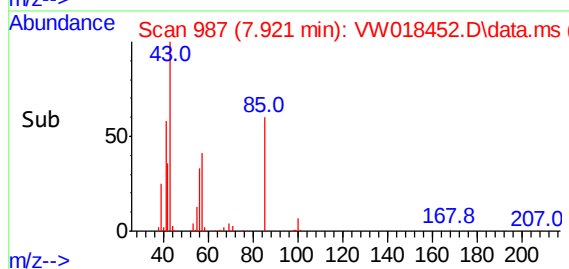
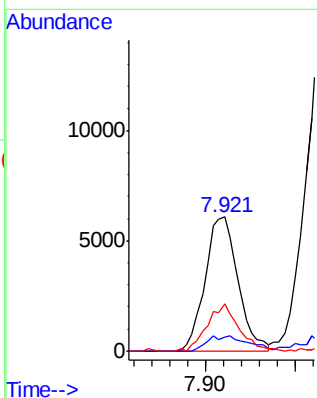
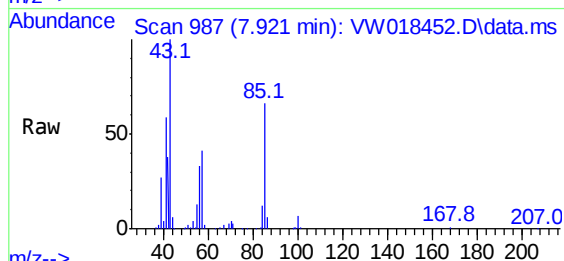




#30
Cyclohexane
Concen: 1.39 ug/L
RT: 7.921 min Scan# 987
Delta R.T. -0.037 min
Lab File: VW018452.D
Acq: 25 Mar 2021 13:00

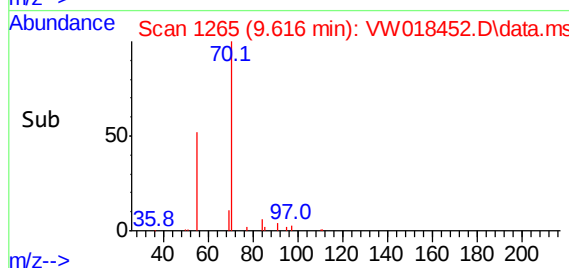
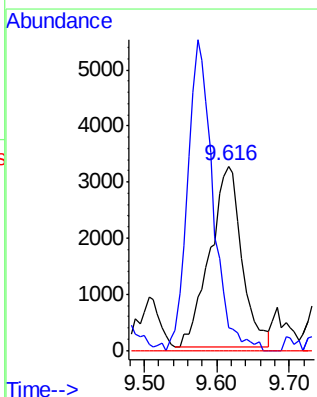
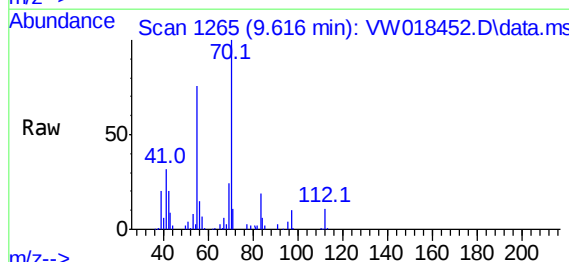
Instrument :
MSVOA_W
ClientSampled :
BG4C4

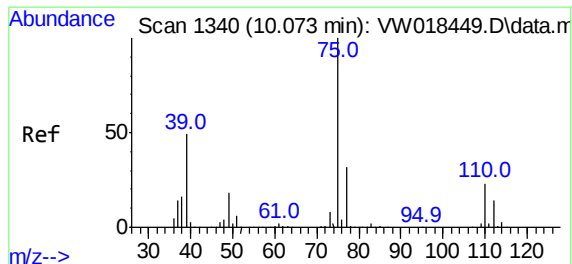
Tgt Ion: 56 Resp: 15444
Ion Ratio Lower Upper
56 100
69 8.8 27.0 40.6#
84 33.5 79.9 119.9#



#41
Bromodichloromethane
Concen: 1.03 ug/L
RT: 9.616 min Scan# 1265
Delta R.T. -0.031 min
Lab File: VW018452.D
Acq: 25 Mar 2021 13:00

Tgt Ion: 83 Resp: 9730
Ion Ratio Lower Upper
83 100
85 12.6 43.8 81.4#
127 0.0 6.9 10.3#

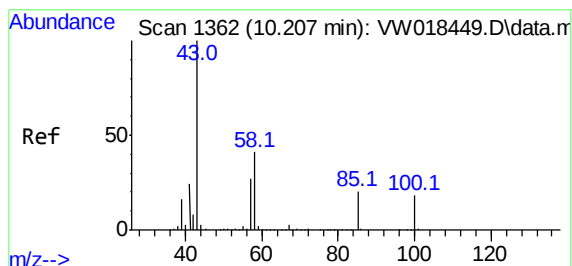
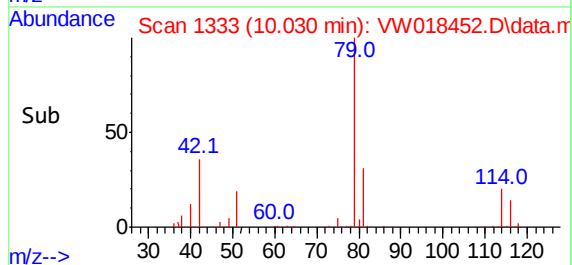
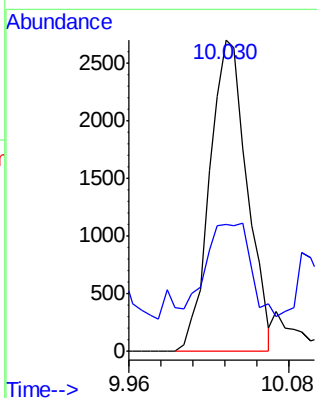
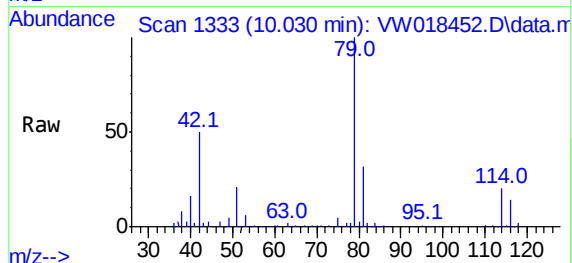




#42
 cis-1,3-Dichloropropene
 Concen: 0.45 ug/L
 RT: 10.030 min Scan# 1333
 Delta R.T. -0.043 min
 Lab File: VW018452.D
 Acq: 25 Mar 2021 13:00

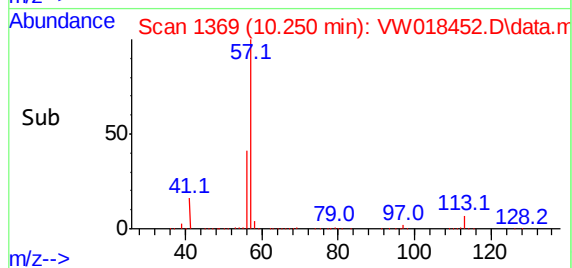
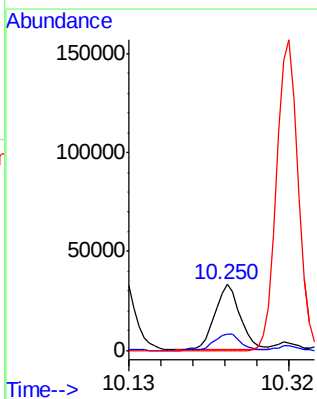
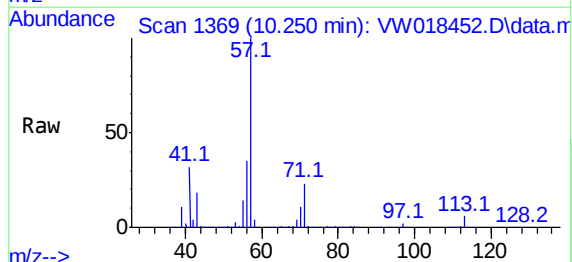
Instrument :
 MSVOA_W
 ClientSampleID :
 BG4C4

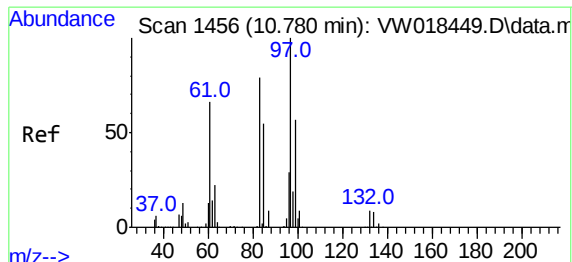
Tgt Ion: 75 Resp: 5040
 Ion Ratio Lower Upper
 75 100
 77 40.5 22.4 41.6



#43
 4-Methyl-2-pentanone
 Concen: 16.69 ug/L
 RT: 10.250 min Scan# 1369
 Delta R.T. 0.043 min
 Lab File: VW018452.D
 Acq: 25 Mar 2021 13:00

Tgt Ion: 43 Resp: 66739
 Ion Ratio Lower Upper
 43 100
 58 25.8 34.8 52.2#
 100 0.0 15.9 23.9#



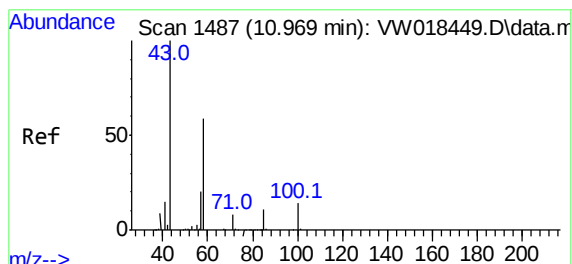
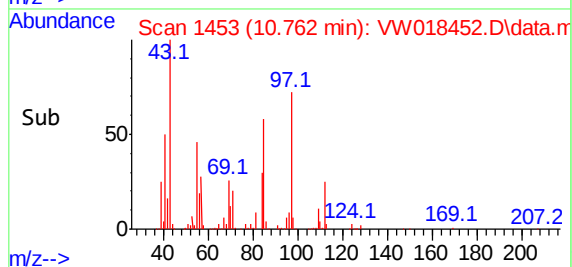
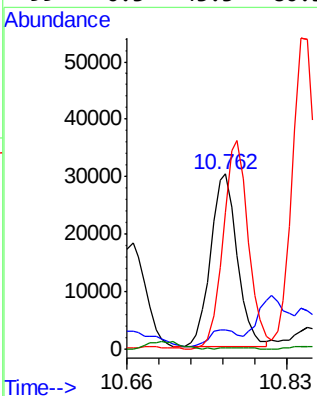
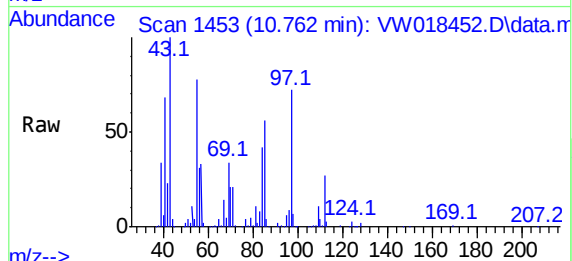


#46
1,1,2-Trichloroethane
Concen: 10.93 ug/L
RT: 10.762 min Scan# 1453
Delta R.T. -0.018 min
Lab File: VW018452.D
Acq: 25 Mar 2021 13:00

Instrument :
MSVOA_W
ClientSampleId :
BG4C4

Tgt Ion: 97 Resp: 57972

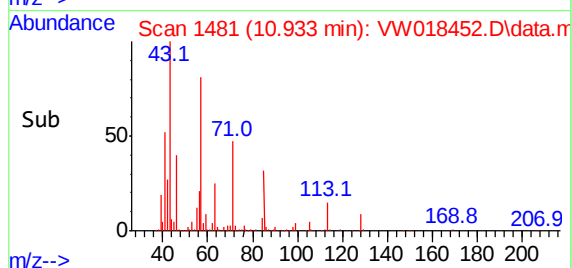
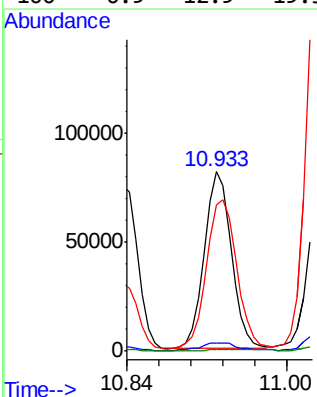
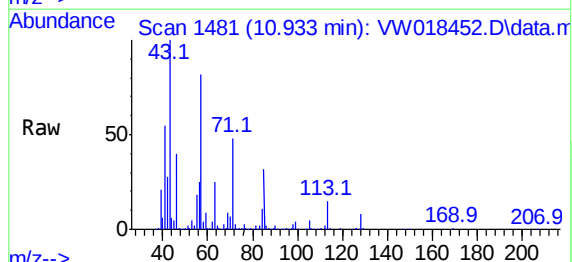
Ion	Ratio	Lower	Upper
97	100		
83	10.7	58.9	109.5#
85	78.0	38.4	71.4#
99	0.3	43.3	80.3#

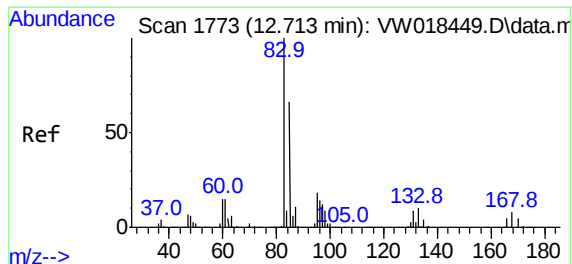


#49
2-Hexanone
Concen: 53.02 ug/L
RT: 10.933 min Scan# 1481
Delta R.T. -0.037 min
Lab File: VW018452.D
Acq: 25 Mar 2021 13:00

Tgt Ion: 43 Resp: 150041

Ion	Ratio	Lower	Upper
43	100		
58	5.5	47.3	70.9#
57	94.6	17.3	25.9#
100	0.9	12.9	19.3#

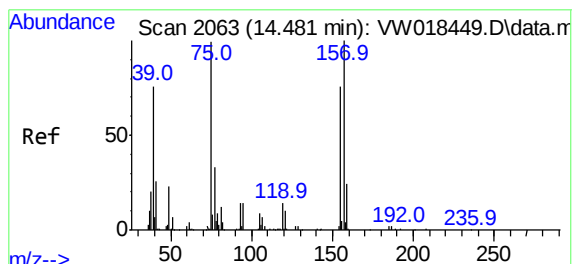
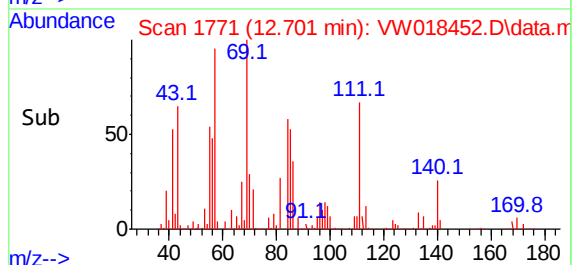
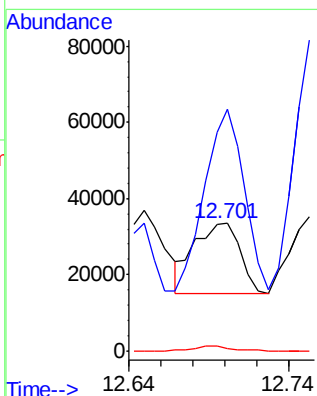
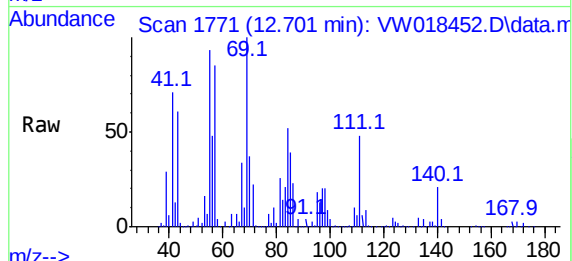




#58
 1,1,2,2-Tetrachloroethane
 Concen: 5.40 ug/L
 RT: 12.701 min Scan# 1771
 Delta R.T. -0.012 min
 Lab File: VW018452.D
 Acq: 25 Mar 2021 13:00

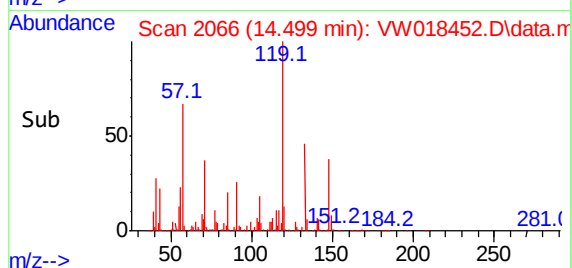
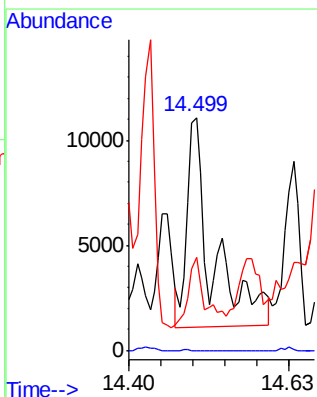
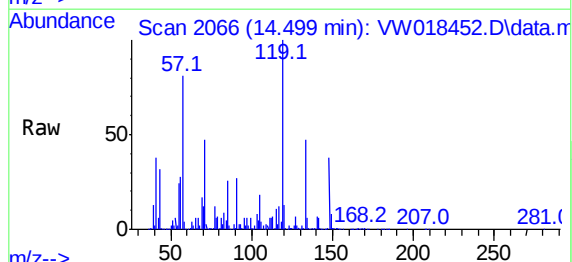
Instrument :
 MSVOA_W
 ClientSampleID :
 BG4C4

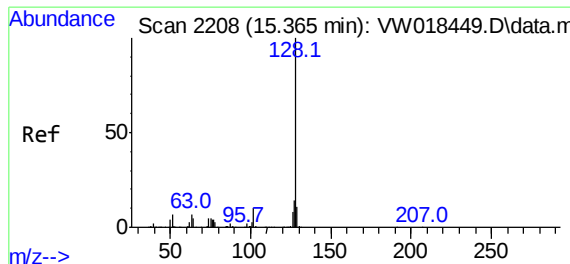
Tgt Ion: 83 Resp: 34632
 Ion Ratio Lower Upper
 83 100
 85 189.8 49.0 91.0#
 131 1.7 8.7 13.1#



#66
 1,2-Dibromo-3-chloropropane
 Concen: 16.11 ug/L
 RT: 14.499 min Scan# 2066
 Delta R.T. 0.018 min
 Lab File: VW018452.D
 Acq: 25 Mar 2021 13:00

Tgt Ion: 75 Resp: 24879
 Ion Ratio Lower Upper
 75 100
 157 0.0 65.2 97.8#
 155 40.0 60.1 90.1#

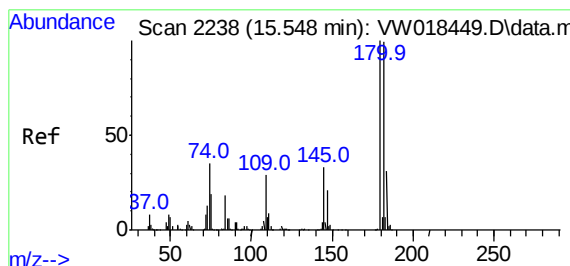
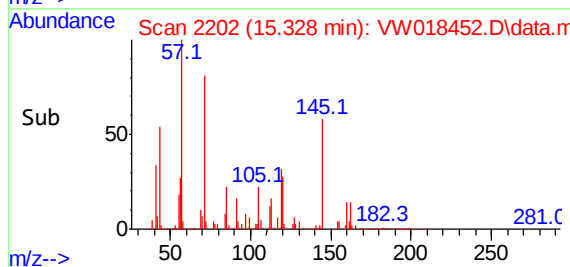
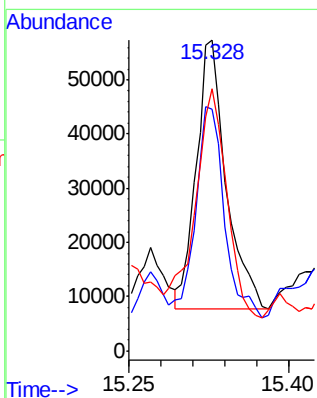
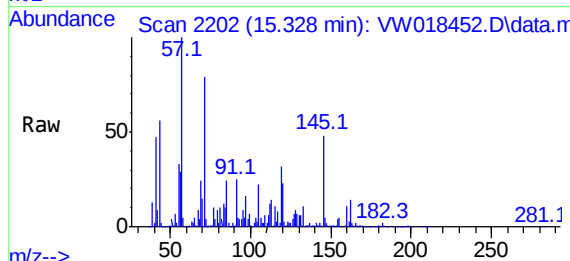




#69
Naphthalene
Concen: 4.12 ug/L
RT: 15.328 min Scan# 2202
Delta R.T. -0.037 min
Lab File: VW018452.D
Acq: 25 Mar 2021 13:00

Instrument :
MSVOA_W
ClientSampled :
BG4C4

Tgt Ion:128 Resp: 100552
Ion Ratio Lower Upper
128 100
129 59.9 9.1 13.7#
127 91.2 10.7 16.1#



#70
1,2,3-Trichlorobenzene
Concen: 0.50 ug/L
RT: 15.566 min Scan# 2241
Delta R.T. 0.018 min
Lab File: VW018452.D
Acq: 25 Mar 2021 13:00

Tgt Ion:180 Resp: 5108
Ion Ratio Lower Upper
180 100
182 34.4 76.5 114.7#
145 9917.7 27.7 41.5#

