

Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW030921\
 Data File : VW018275.D
 Acq On : 09 Mar 2021 19:03
 Operator : SY/VA
 Sample : M1610-13
 Misc : 6.08G/10ML/MSVOA_W/SOIL
 ALS Vial : 20 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 BG566

Quant Time: Mar 10 02:19:13 2021
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\SOM2WLM030821S.M
 Quant Title : VOC Analysis
 QLast Update : Wed Mar 10 02:13:53 2021
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Difluorobenzene	8.842	114	246381	25.00	ug/L	0.00
28) Chlorobenzene-d5	11.634	117	211395	25.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	13.554	152	78368	25.00	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	2.355	65	77957	29.22	ug/L	0.00
Spiked Amount 25.000	Range 30 - 150		Recovery =	116.88%		
7) Chloroethane-d5	2.891	69	61491	28.38	ug/L	0.00
Spiked Amount 25.000	Range 30 - 150		Recovery =	113.52%		
10) 1,1-Dichloroethene-d2	4.019	63	121922	19.67	ug/L	0.00
Spiked Amount 25.000	Range 45 - 110		Recovery =	78.68%		
20) 2-Butanone-d5	7.080	46	30728	48.44	ug/L	0.00
Spiked Amount 50.000	Range 20 - 135		Recovery =	96.88%		
24) Chloroform-d	7.647	84	175566	26.30	ug/L	0.00
Spiked Amount 25.000	Range 40 - 150		Recovery =	105.20%		
26) 1,2-Dichloroethane-d4	8.305	65	98351	26.77	ug/L	0.00
Spiked Amount 25.000	Range 70 - 130		Recovery =	107.08%		
29) Benzene-d6	8.275	84	327558	29.11	ug/L	0.00
Spiked Amount 25.000	Range 20 - 135		Recovery =	116.44%		
33) 1,2-Dichloropropane-d6	9.274	67	89285	28.63	ug/L	0.00
Spiked Amount 25.000	Range 70 - 120		Recovery =	114.52%		
37) Toluene-d8	10.323	98	303339	27.93	ug/L	0.00
Spiked Amount 25.000	Range 30 - 130		Recovery =	111.72%		
38) trans-1,3-Dichloroprop...	10.579	79	37499	24.26	ug/L	0.00
Spiked Amount 25.000	Range 30 - 135		Recovery =	97.04%		
39) 2-Hexanone-d5	10.920	63	25869	49.87	ug/L	0.00
Spiked Amount 50.000	Range 20 - 135		Recovery =	99.74%		
48) 1,1,2,2-Tetrachloroeth...	12.688	84	65261	24.48	ug/L	0.00
Spiked Amount 25.000	Range 45 - 120		Recovery =	97.92%		
61) 1,2-Dichlorobenzene-d4	13.853	152	77027	27.04	ug/L	0.00
Spiked Amount 25.000	Range 75 - 120		Recovery =	108.16%		
Target Compounds					Qvalue	
3) Chloromethane	2.215	50	989	0.44	ug/L	91
5) Vinyl chloride	2.367	62	2249	0.65	ug/L #	26
12) 1,1-Dichloroethene	4.050	96	1248	0.39	ug/L #	1
13) Acetone	4.123	43	1709	3.45	ug/L	90
14) Carbon disulfide	4.391	76	2333	0.25	ug/L #	95
16) Methylene chloride	4.922	84	9620	2.56	ug/L	95
17) Methyl tert-butyl Ether	5.421	73	12472	3.36	ug/L	99
22) cis-1,2-Dichloroethene	7.171	96	3281	0.91	ug/L	95
34) Benzene	8.323	78	19544	1.61	ug/L	100
35) Trichloroethene	9.091	95	348638	97.79	ug/L	99
36) Methylcyclohexane	9.274	83	24731	4.31	ug/L #	21
40) 1,2-Dichloropropane	9.274	63	11753	4.16	ug/L #	84
42) cis-1,3-Dichloropropene	10.030	75	3276	0.69	ug/L	90
43) 4-Methyl-2-pentanone	10.323	43	1252	0.85	ug/L #	1
45) trans-1,3-Dichloropropene	10.579	75	1992	0.47	ug/L	87
47) Tetrachloroethene	10.866	164	1145411	429.12	ug/L	98
50) Dibromochloromethane	10.859	129	1191962	417.58	ug/L #	8
59) 1,2,3-Trichloropropane	12.603	75	407	0.20	ug/L #	43

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ALS Vial : 20 Sample Multiplier: 1

Instrument :
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Quant Title : VOC Analysis
QLast Update : Wed Mar 10 02:13:53 2021
Response via : Initial Calibration

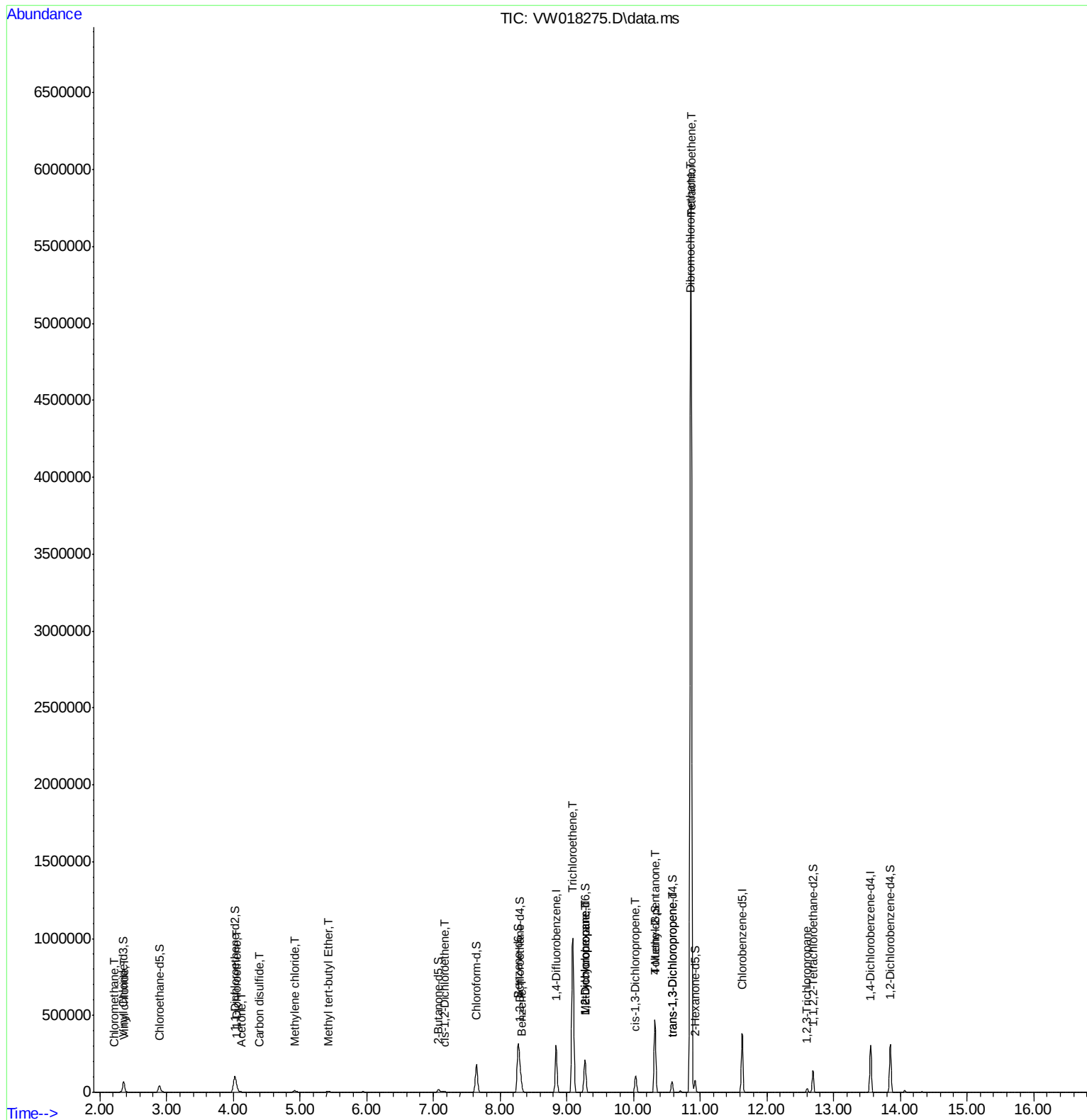
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

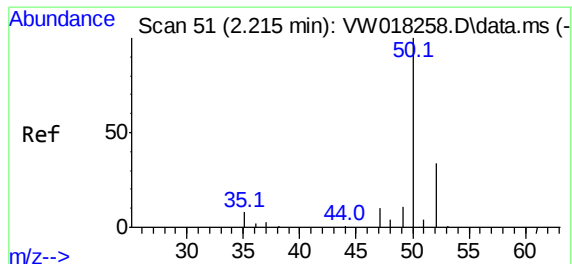
(#) = qualifier out of range (m) = manual integration (+) = signals summed						

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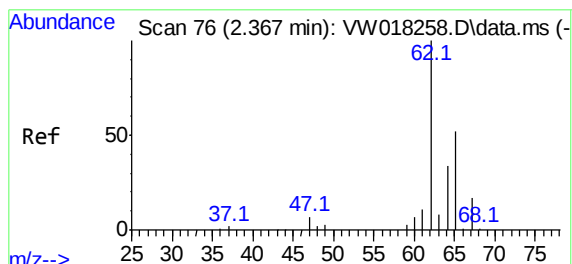
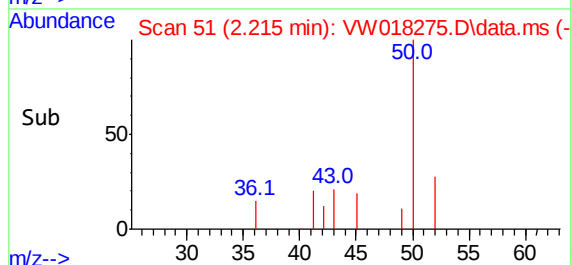
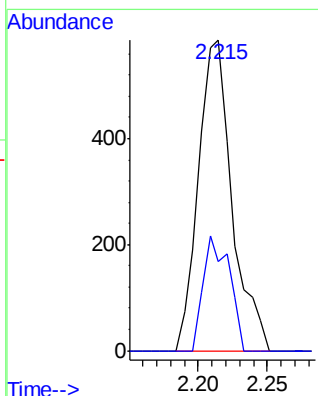
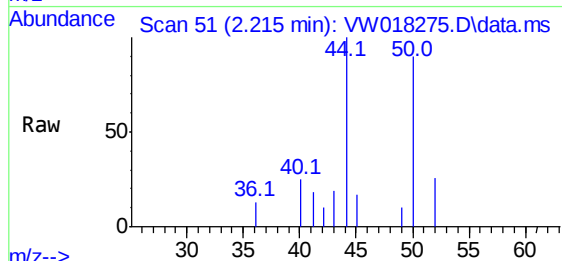




#3
Chloromethane
Concen: 0.44 ug/L
RT: 2.215 min Scan# 51
Delta R.T. 0.000 min
Lab File: VW018275.D
Acq: 09 Mar 2021 19:03

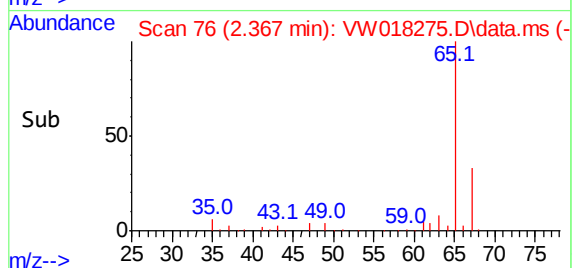
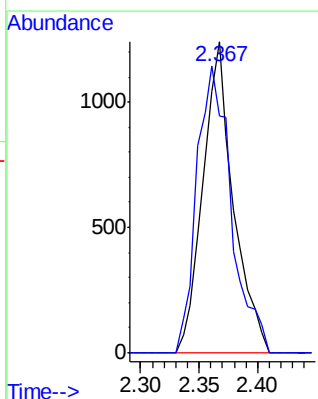
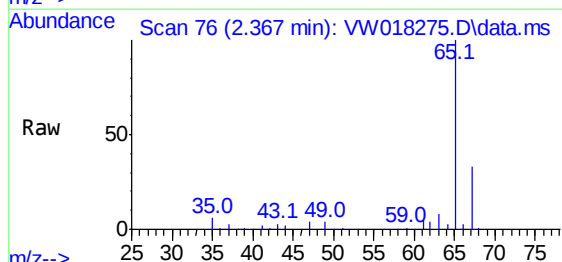
Instrument :
MSVOA_W
ClientSampled :
BG566

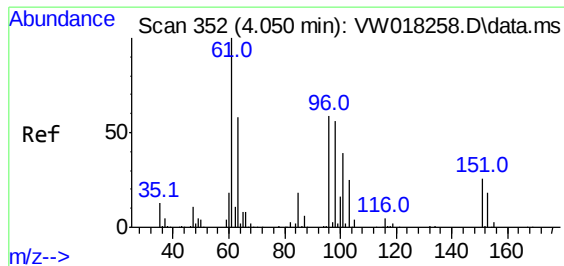
Tgt Ion: 50 Resp: 989
Ion Ratio Lower Upper
50 100
52 28.5 23.7 43.9



#5
Vinyl chloride
Concen: 0.65 ug/L
RT: 2.367 min Scan# 76
Delta R.T. 0.000 min
Lab File: VW018275.D
Acq: 09 Mar 2021 19:03

Tgt Ion: 62 Resp: 2249
Ion Ratio Lower Upper
62 100
64 76.0 23.5 43.7#

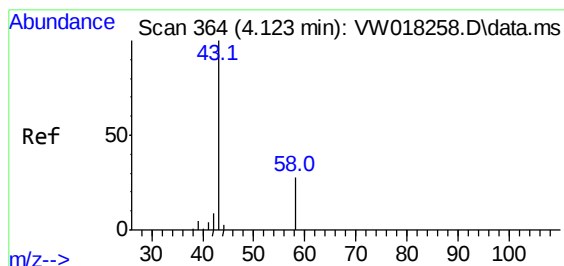
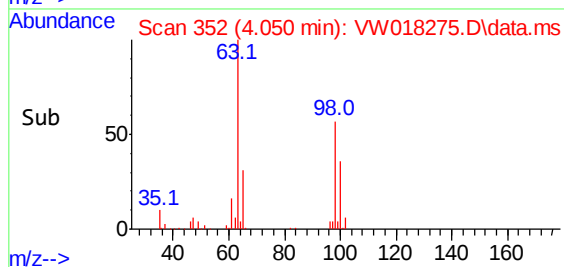
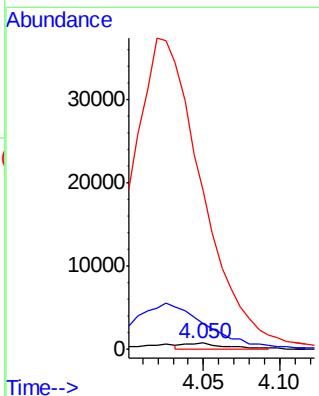
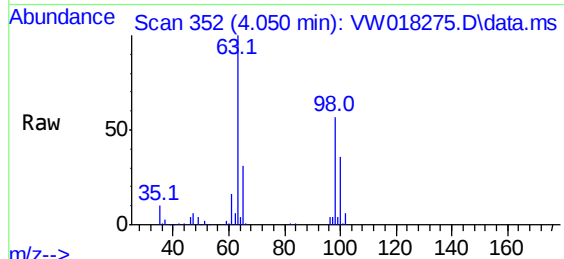




#12
1,1-Dichloroethene
Concen: 0.39 ug/L
RT: 4.050 min Scan# 352
Delta R.T. 0.000 min
Lab File: VW018275.D
Acq: 09 Mar 2021 19:03

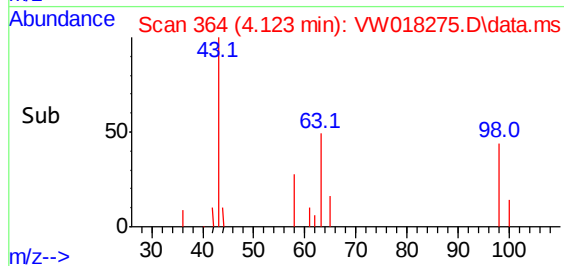
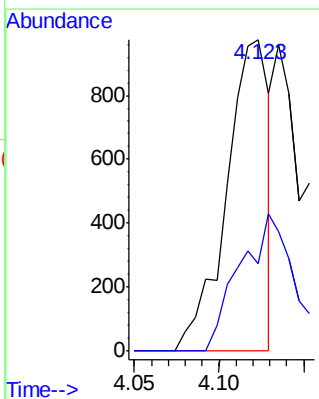
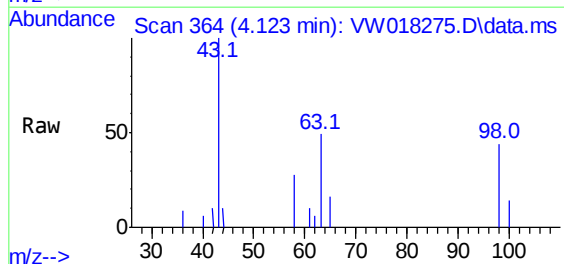
Instrument :
MSVOA_W
ClientSampleId :
BG566

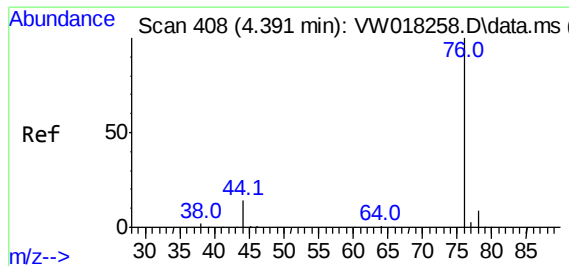
Tgt Ion: 96 Resp: 1248
Ion Ratio Lower Upper
96 100
61 442.7 118.6 220.2#
63 2787.1 82.4 153.0#



#13
Acetone
Concen: 3.45 ug/L
RT: 4.123 min Scan# 364
Delta R.T. 0.000 min
Lab File: VW018275.D
Acq: 09 Mar 2021 19:03

Tgt Ion: 43 Resp: 1709
Ion Ratio Lower Upper
43 100
58 36.3 0.0 62.2

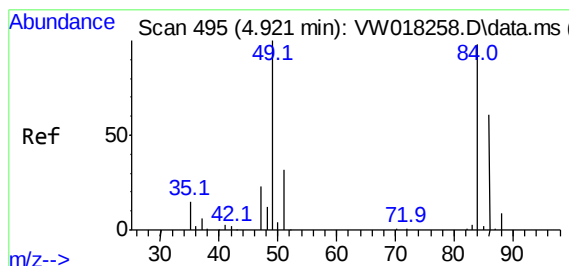
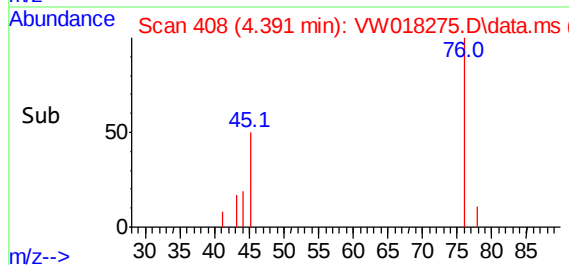
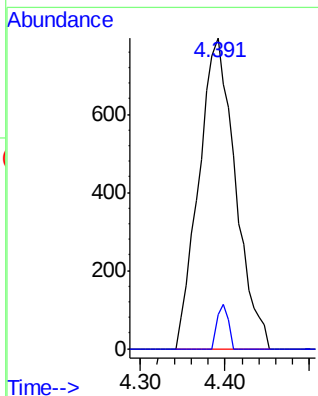
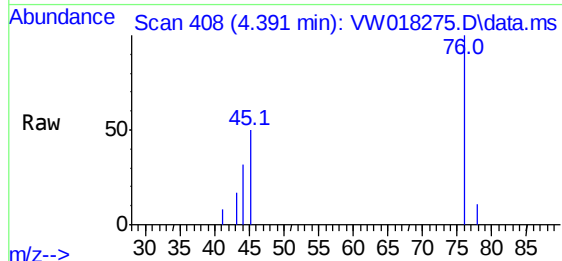




#14
Carbon disulfide
Concen: 0.25 ug/L
RT: 4.391 min Scan# 408
Delta R.T. 0.000 min
Lab File: VW018275.D
Acq: 09 Mar 2021 19:03

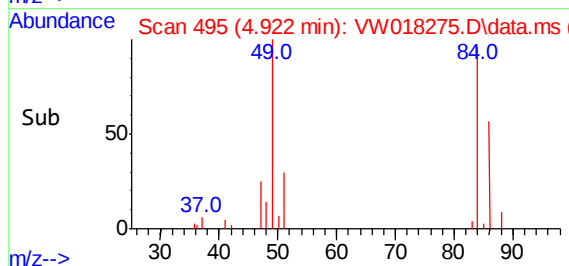
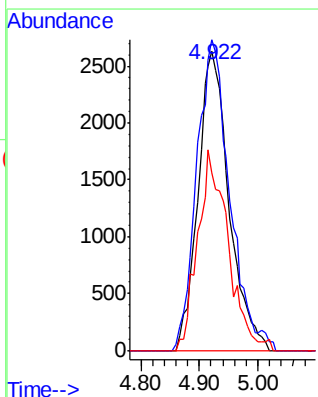
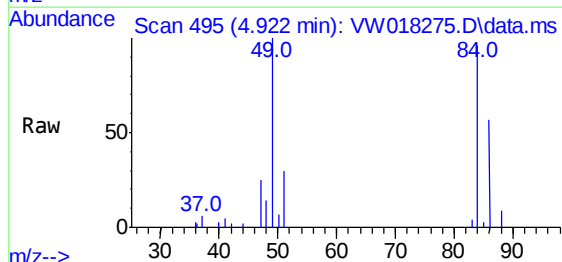
Instrument :
MSVOA_W
ClientSampled :
BG566

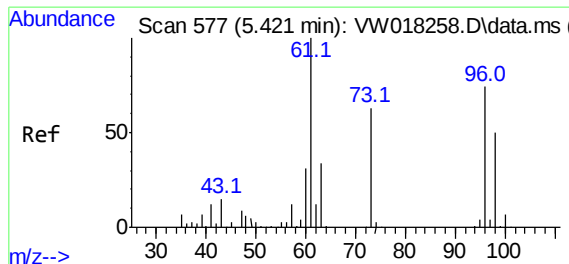
Tgt Ion: 76 Resp: 2333
Ion Ratio Lower Upper
76 100
78 11.2 7.4 11.2#



#16
Methylene chloride
Concen: 2.56 ug/L
RT: 4.922 min Scan# 495
Delta R.T. 0.000 min
Lab File: VW018275.D
Acq: 09 Mar 2021 19:03

Tgt Ion: 84 Resp: 9620
Ion Ratio Lower Upper
84 100
49 104.0 74.4 138.2
86 59.4 46.1 85.7



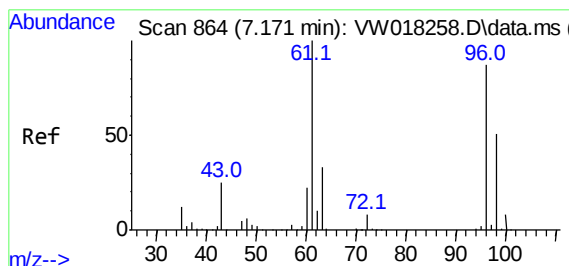
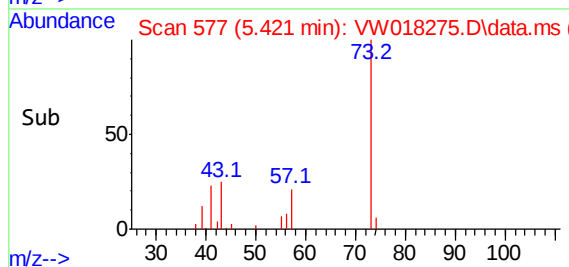
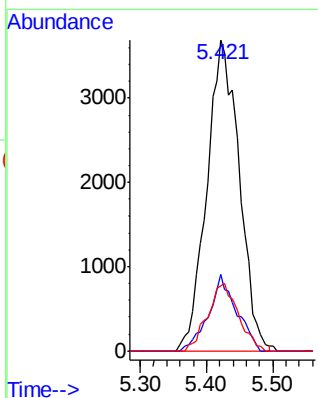
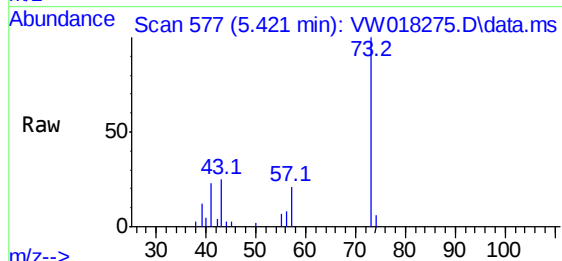


#17
Methyl tert-butyl Ether
Concen: 3.36 ug/L
RT: 5.421 min Scan# 577
Delta R.T. 0.000 min
Lab File: VW018275.D
Acq: 09 Mar 2021 19:03

Instrument :
MSVOA_W
ClientSampleId :
BG566

Tgt Ion: 73 Resp: 12472

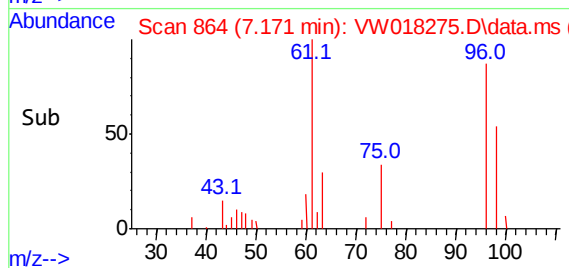
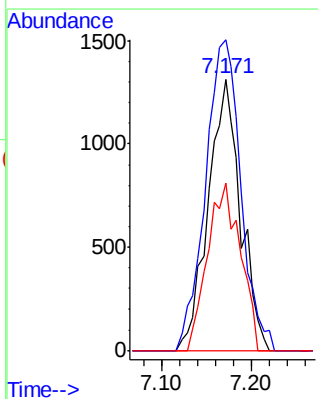
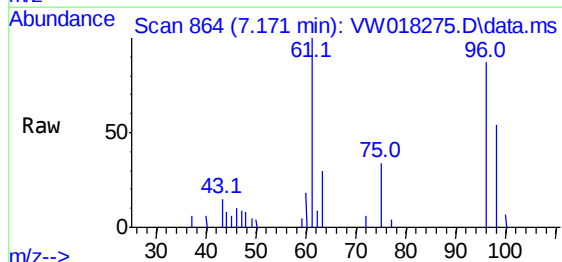
Ion	Ratio	Lower	Upper
73	100		
43	21.2	16.6	24.8
57	20.7	15.9	23.9

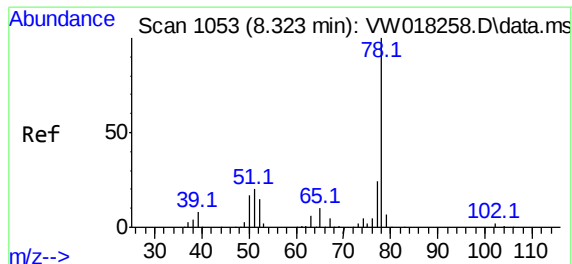


#22
cis-1,2-Dichloroethene
Concen: 0.91 ug/L
RT: 7.171 min Scan# 864
Delta R.T. 0.000 min
Lab File: VW018275.D
Acq: 09 Mar 2021 19:03

Tgt Ion: 96 Resp: 3281

Ion	Ratio	Lower	Upper
96	100		
61	114.4	84.8	157.6
98	61.7	45.1	83.9

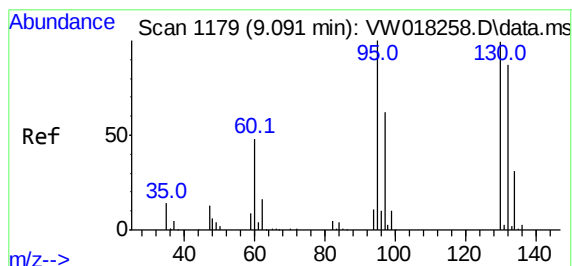
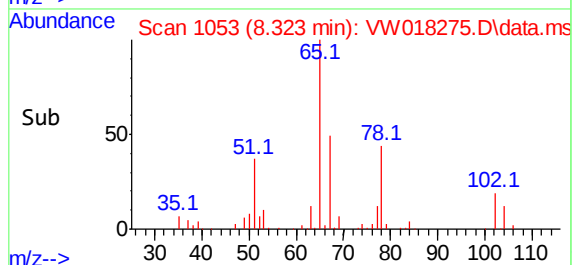
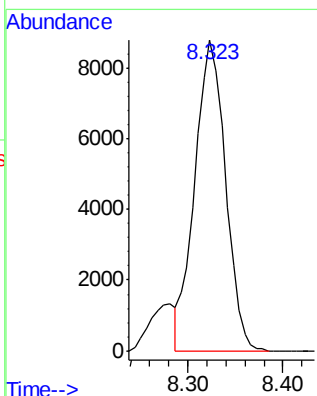
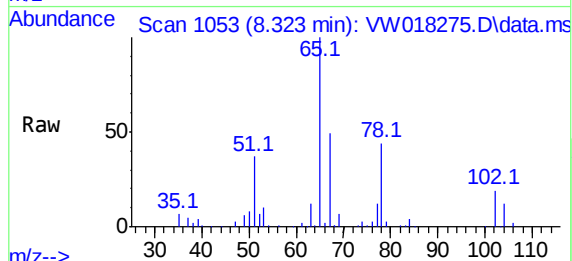




#34
Benzene
Concen: 1.61 ug/L
RT: 8.323 min Scan# 1053
Delta R.T. 0.000 min
Lab File: VW018275.D
Acq: 09 Mar 2021 19:03

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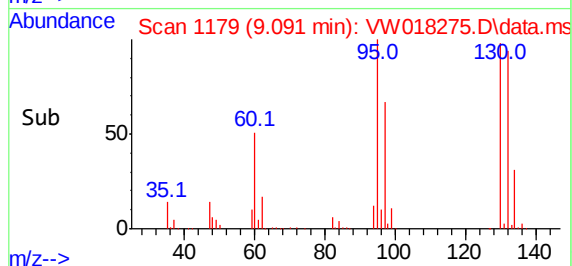
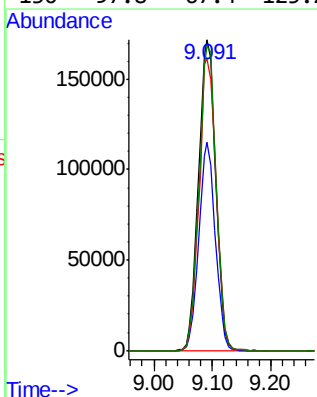
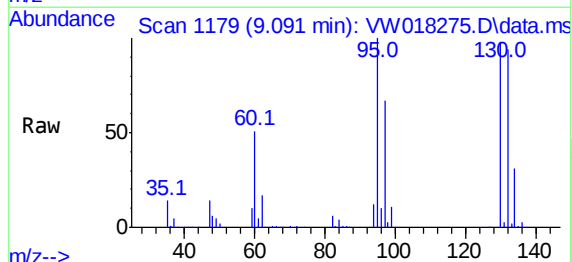
Tgt Ion: 78 Resp: 19544

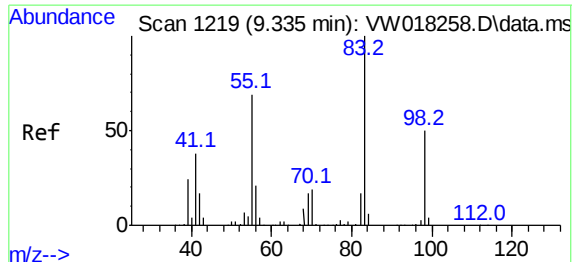


#35
Trichloroethene
Concen: 97.79 ug/L
RT: 9.091 min Scan# 1179
Delta R.T. 0.000 min
Lab File: VW018275.D
Acq: 09 Mar 2021 19:03

Tgt Ion: 95 Resp: 348638

Ion	Ratio	Lower	Upper
95	100		
97	64.3	44.4	82.4
132	93.8	65.9	122.5
130	97.8	67.4	125.2

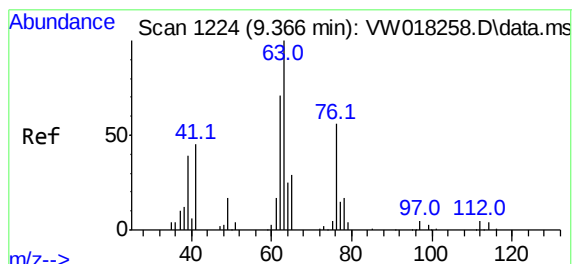
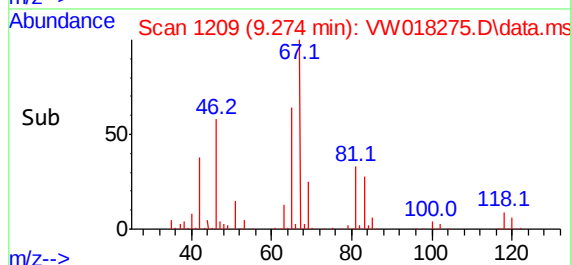
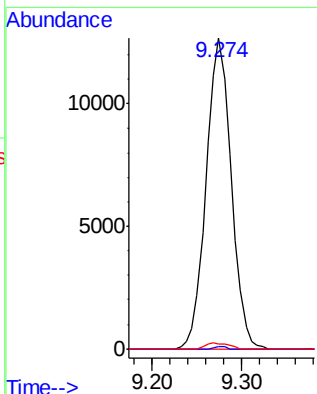
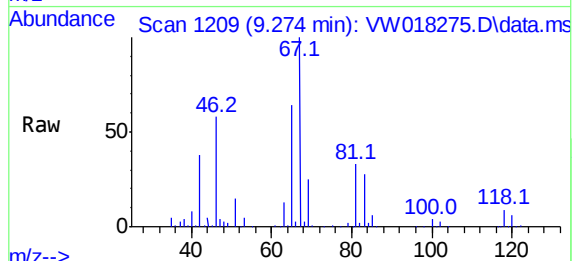




#36
Methylcyclohexane
Concen: 4.31 ug/L
RT: 9.274 min Scan# 1209
Delta R.T. -0.061 min
Lab File: VW018275.D
Acq: 09 Mar 2021 19:03

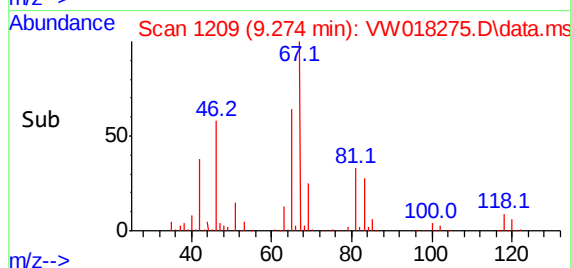
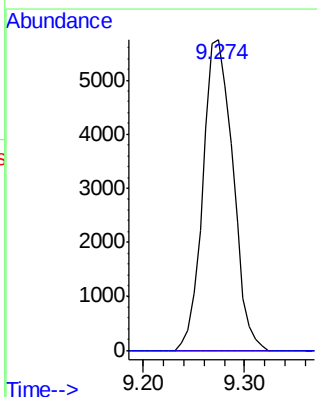
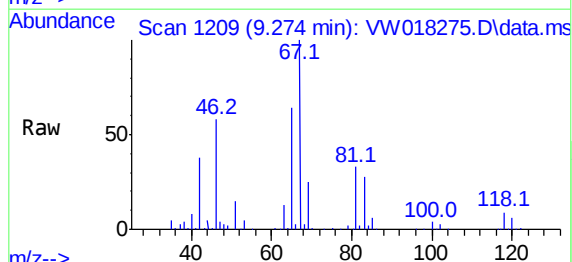
Instrument :
MSVOA_W
ClientSampled :
BG566

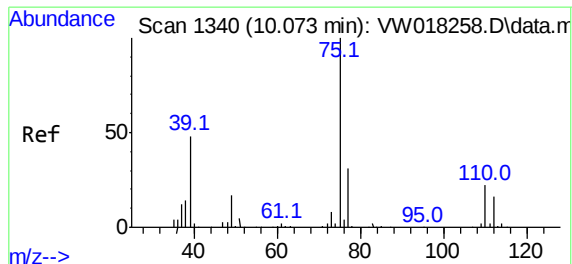
Tgt Ion: 83 Resp: 24731
Ion Ratio Lower Upper
83 100
55 0.3 56.8 85.2#
98 1.8 40.6 61.0#



#40
1,2-Dichloropropane
Concen: 4.16 ug/L
RT: 9.274 min Scan# 1209
Delta R.T. -0.091 min
Lab File: VW018275.D
Acq: 09 Mar 2021 19:03

Tgt Ion: 63 Resp: 11753
Ion Ratio Lower Upper
63 100
112 0.0 4.2 6.4#

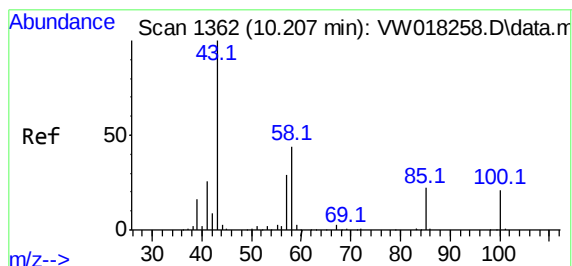
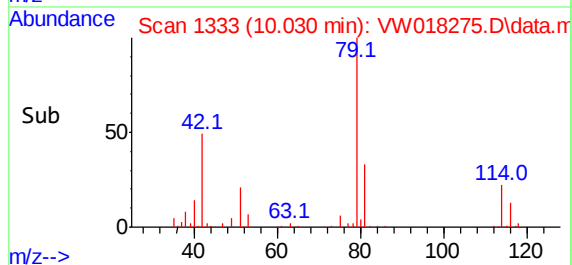
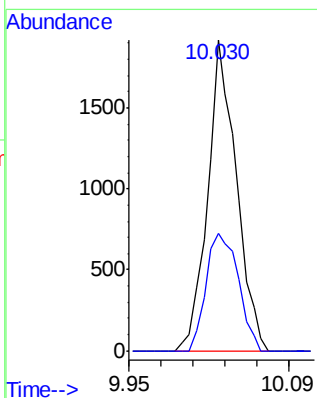
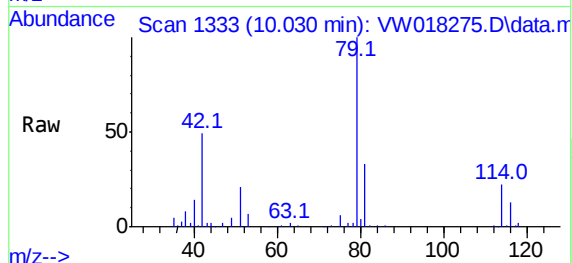




#42
cis-1,3-Dichloropropene
Concen: 0.69 ug/L
RT: 10.030 min Scan# 1333
Delta R.T. -0.043 min
Lab File: VW018275.D
Acq: 09 Mar 2021 19:03

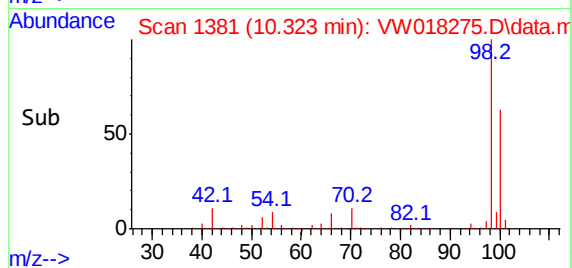
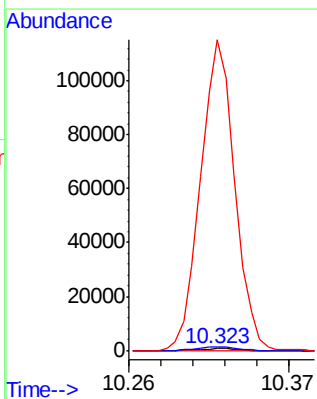
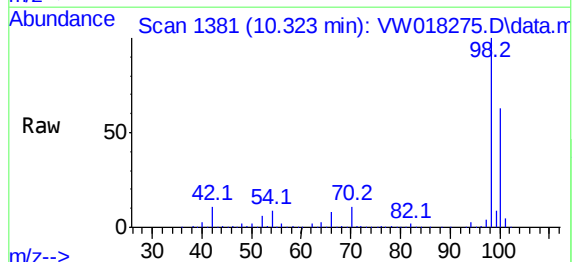
Instrument :
MSVOA_W
ClientSampled :
BG566

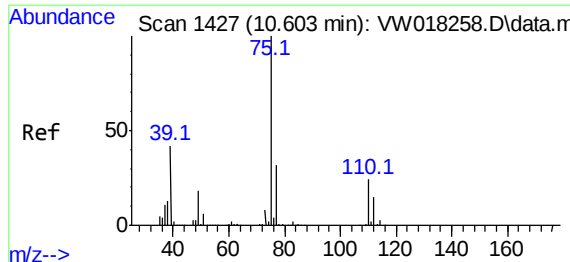
Tgt Ion: 75 Resp: 3276
Ion Ratio Lower Upper
75 100
77 37.7 22.4 41.6



#43
4-Methyl-2-pentanone
Concen: 0.85 ug/L
RT: 10.323 min Scan# 1381
Delta R.T. 0.116 min
Lab File: VW018275.D
Acq: 09 Mar 2021 19:03

Tgt Ion: 43 Resp: 1252
Ion Ratio Lower Upper
43 100
58 193.3 34.8 52.2#
100 15764.7 15.9 23.9#

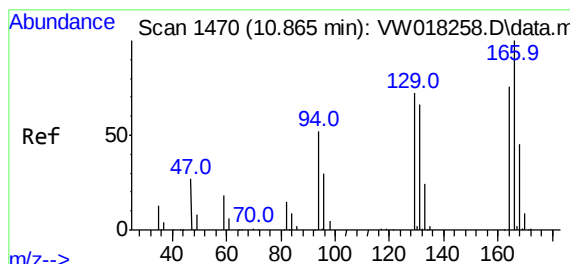
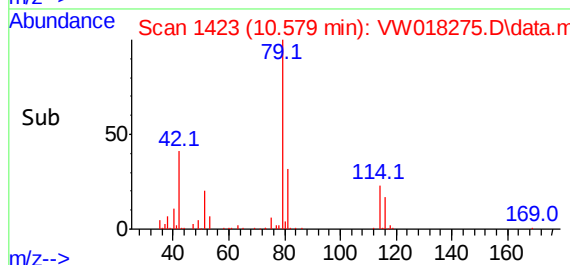
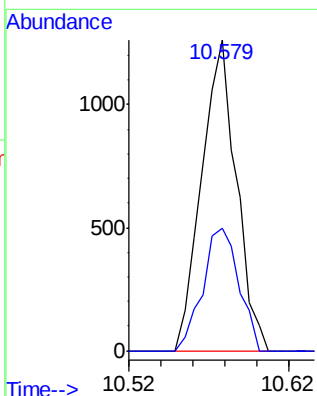
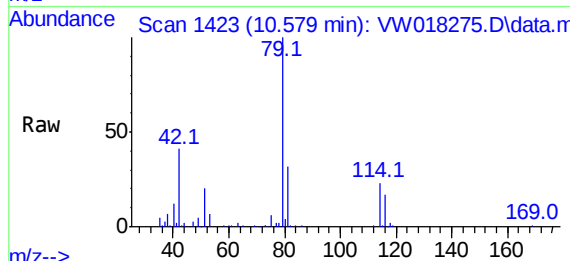




#45
trans-1,3-Dichloropropene
Concen: 0.47 ug/L
RT: 10.579 min Scan# 1423
Delta R.T. -0.024 min
Lab File: VW018275.D
Acq: 09 Mar 2021 19:03

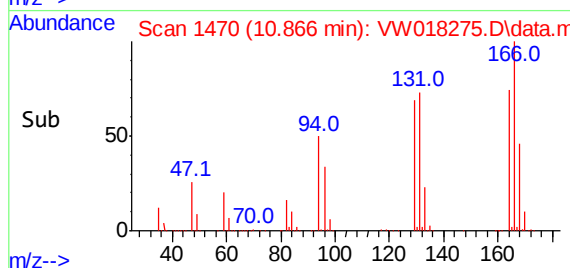
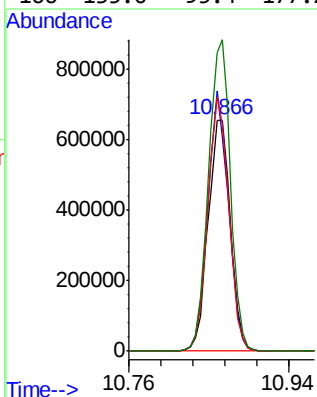
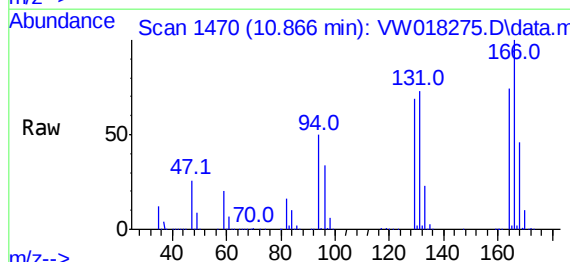
Instrument :
MSVOA_W
ClientSampled :
BG566

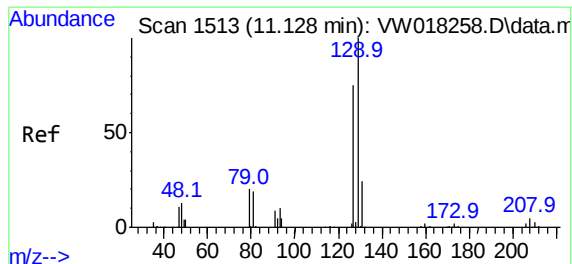
Tgt Ion: 75 Resp: 1992
Ion Ratio Lower Upper
75 100
77 39.5 22.6 42.0



#47
Tetrachloroethene
Concen: 429.12 ug/L
RT: 10.866 min Scan# 1470
Delta R.T. 0.000 min
Lab File: VW018275.D
Acq: 09 Mar 2021 19:03

Tgt Ion: 164 Resp: 1145411
Ion Ratio Lower Upper
164 100
129 93.0 68.8 127.8
131 98.6 68.3 126.8
166 135.0 95.4 177.2

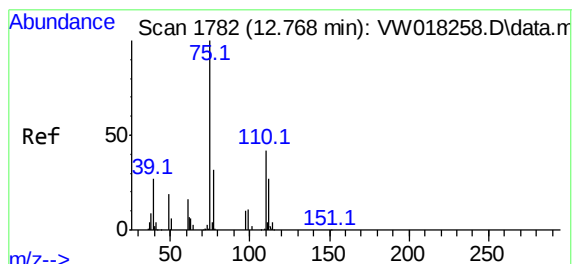
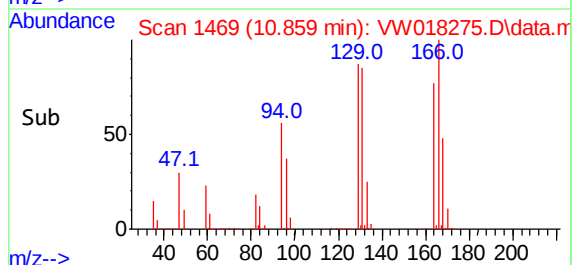
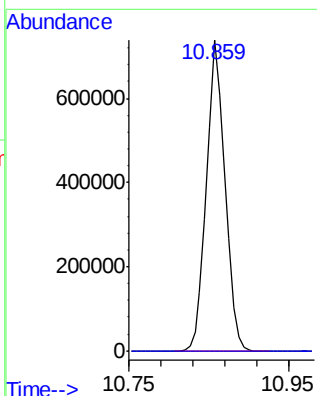
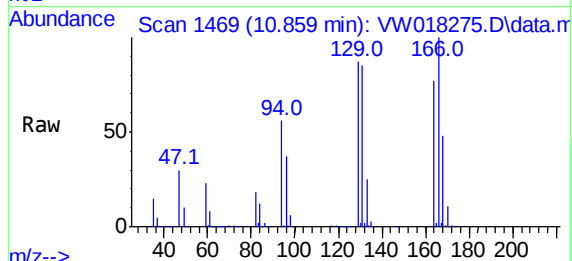




#50
 Dibromochloromethane
 Concen: 417.58 ug/L
 RT: 10.859 min Scan# 1469
 Delta R.T. -0.268 min
 Lab File: VW018275.D
 Acq: 09 Mar 2021 19:03

Instrument :
 MSVOA_W
 ClientSampled :
 BG566

Tgt Ion:129 Resp: 1191962
 Ion Ratio Lower Upper
 129 100
 127 0.0 58.0 107.6#



#59
 1,2,3-Trichloropropane
 Concen: 0.20 ug/L
 RT: 12.603 min Scan# 1755
 Delta R.T. -0.165 min
 Lab File: VW018275.D
 Acq: 09 Mar 2021 19:03

Tgt Ion: 75 Resp: 407
 Ion Ratio Lower Upper
 75 100
 77 0.0 25.6 38.4#

