

Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW072021\
 Data File : VW019511.D
 Acq On : 20 Jul 2021 15:08
 Operator : SY/VA
 Sample : M3072-01
 Misc : 5.04g/5.1mL/MSVOA_W/SOIL
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :

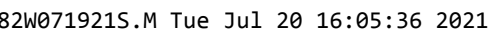
Quant Time: Jul 20 16:05:24 2021
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\82W071921S.M
 Quant Title : SW846 8260
 QLast Update : Tue Jul 20 04:37:55 2021
 Response via : Initial Calibration

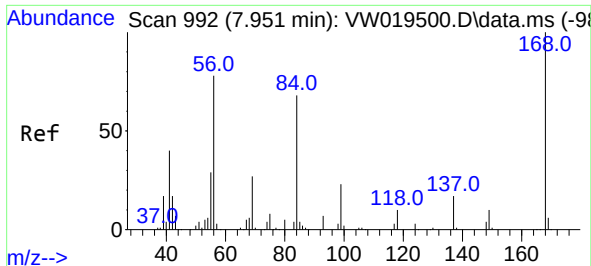
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

Internal Standards						
1) Pentafluorobenzene	7.958	168	12696	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.848	114	20767	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.634	117	19179	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.560	152	7710	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.311	65	8394	70.164	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 140.320%			
35) Dibromofluoromethane	7.890	113	7306	57.583	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery = 115.160%			
50) Toluene-d8	10.329	98	24825	50.535	ug/l	0.00
Spiked Amount 50.000	Range 49 - 140		Recovery = 101.080%			
62) 4-Bromofluorobenzene	12.621	95	8868	48.126	ug/l	0.00
Spiked Amount 50.000	Range 25 - 144		Recovery = 96.260%			
Target Compounds					Qvalue	
16) Acetone	4.135	43	6009	260.240	ug/l	96
20) Methylene Chloride	4.928	84	5326	33.627	ug/l #	87
31) Cyclohexane	7.958	56	313	1.173	ug/l #	1
36) 1,1-Dichloropropene	7.945	75	951	4.296	ug/l #	42
38) Carbon Tetrachloride	7.951	117	1417	7.327	ug/l #	12
75) 1,1,2,2-Tetrachloroethane	12.719	83	150	1.362	ug/l #	26
76) 1,2,3-Trichloropropane	12.621	75	4229	55.499	ug/l #	100
77) Bromobenzene	12.749	156	146	1.106	ug/l	81
78) n-propylbenzene	12.810	91	782	1.068	ug/l #	74
81) trans-1,4-Dichloro-2-b...	12.621	75	4229	126.481	ug/l #	12
84) 1,2,4-Trimethylbenzene	13.243	105	704	1.408	ug/l	74
86) p-Isopropyltoluene	13.499	119	539	1.004	ug/l #	58
87) 1,3-Dichlorobenzene	13.505	146	274	1.014	ug/l #	82
88) 1,4-Dichlorobenzene	13.578	146	351	1.312	ug/l #	46
89) n-Butylbenzene	13.822	91	738	1.404	ug/l #	71
91) 1,2-Dichlorobenzene	13.865	146	339	1.426	ug/l	83
93) 1,2,4-Trichlorobenzene	15.127	180	406	2.530	ug/l	84
95) Naphthalene	15.365	128	1310	4.457	ug/l #	92
96) 1,2,3-Trichlorobenzene	15.548	180	487	3.472	ug/l #	83

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

Quant Time: Jul 20 16:05:24 2021
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\82W071921S.M
Quant Title : SW846 8260
QLast Update : Tue Jul 20 04:37:55 2021
Response via : Initial Calibration

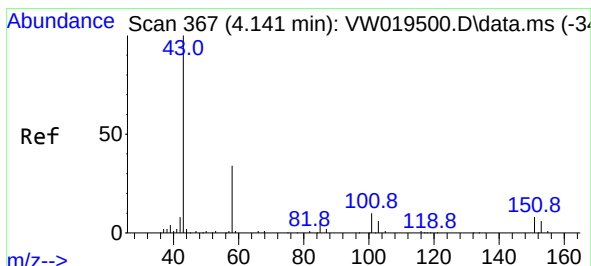
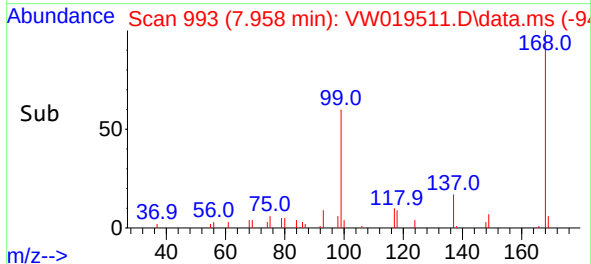
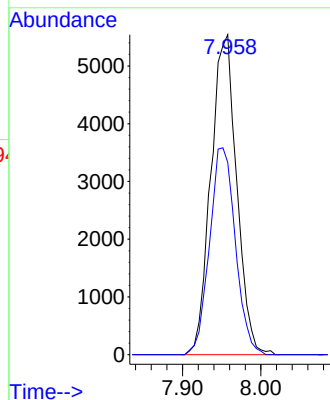
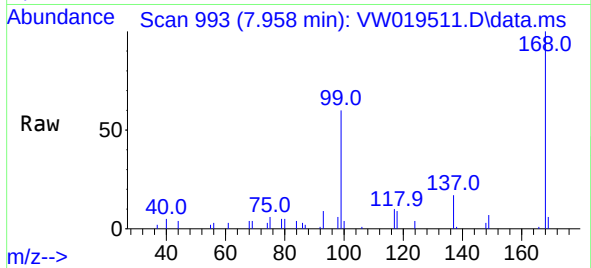




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.958 min Scan# 993
Delta R.T. 0.007 min
Lab File: VW019511.D
Acq: 20 Jul 2021 15:08

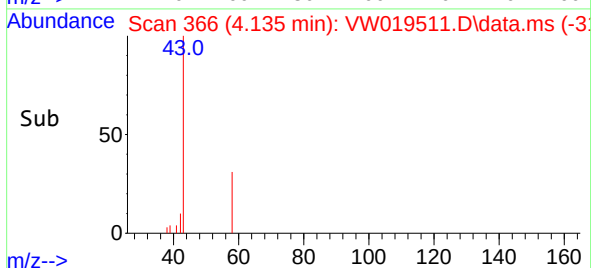
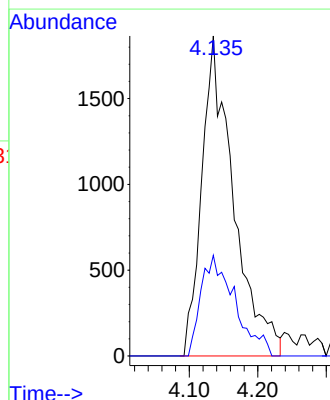
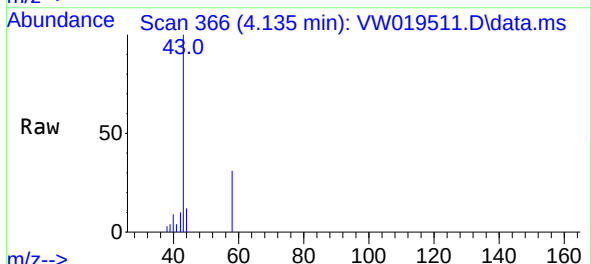
Instrument :
MSVOA_W
ClientSampleId :

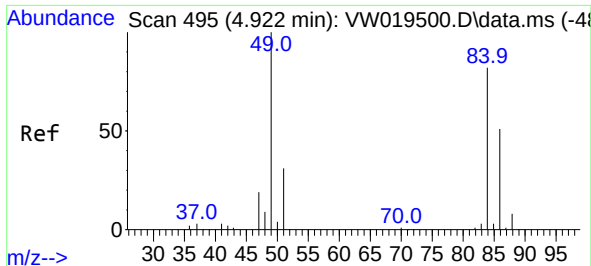
Tgt Ion:168 Resp: 12696
Ion Ratio Lower Upper
168 100
99 60.1 51.9 77.9



#16
Acetone
Concen: 260.240 ug/l
RT: 4.135 min Scan# 366
Delta R.T. -0.006 min
Lab File: VW019511.D
Acq: 20 Jul 2021 15:08

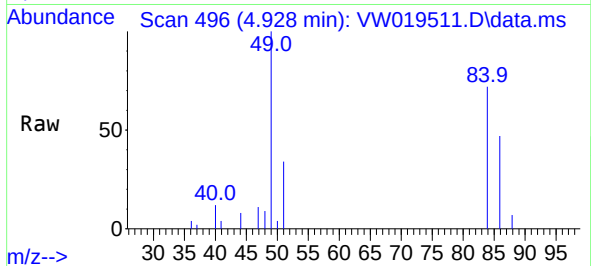
Tgt Ion: 43 Resp: 6009
Ion Ratio Lower Upper
43 100
58 31.5 27.2 40.8



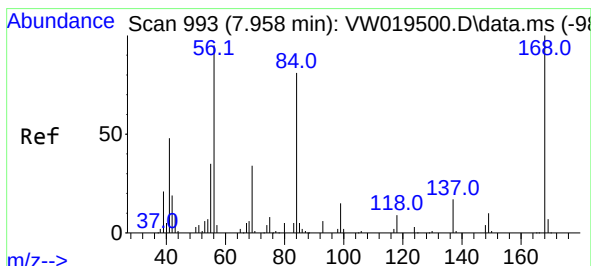
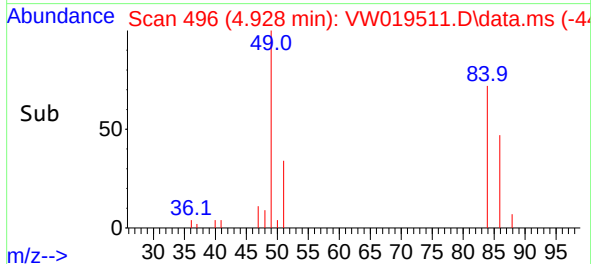
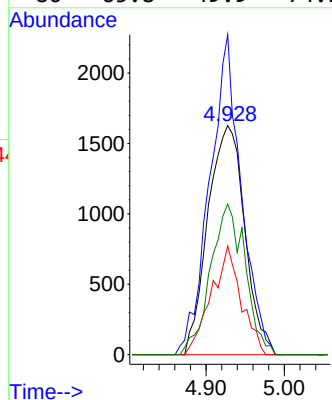


#20
Methylene Chloride
Concen: 33.627 ug/l
RT: 4.928 min Scan# 496
Delta R.T. 0.006 min
Lab File: VW019511.D
Acq: 20 Jul 2021 15:08

Instrument :
MSVOA_W
ClientSampled :

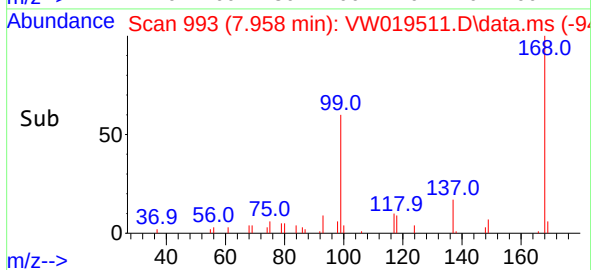
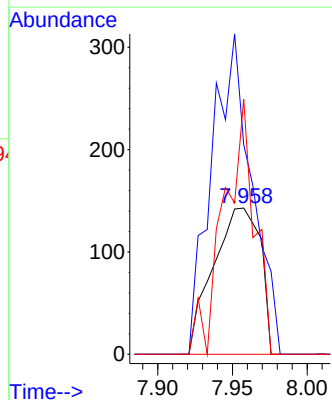
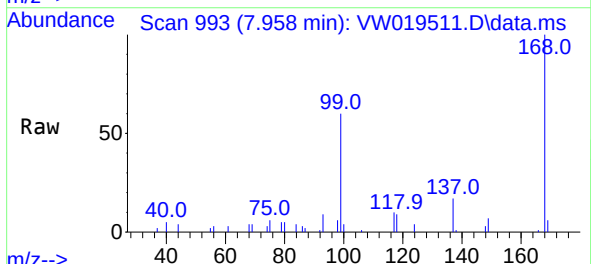


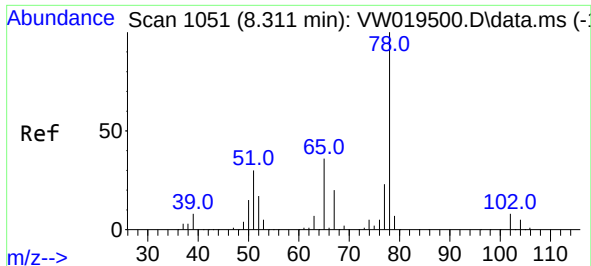
Tgt Ion:	84	Resp:	5326
Ion	Ratio	Lower	Upper
84	100		
49	139.7	97.2	145.8
51	47.5	30.1	45.1#
86	65.8	49.9	74.9



#31
Cyclohexane
Concen: 1.173 ug/l
RT: 7.958 min Scan# 993
Delta R.T. -0.000 min
Lab File: VW019511.D
Acq: 20 Jul 2021 15:08

Tgt Ion:	56	Resp:	313
Ion	Ratio	Lower	Upper
56	100		
69	143.4	28.3	42.5#
84	174.1	68.1	102.1#

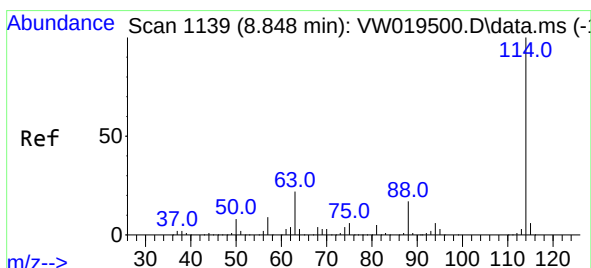
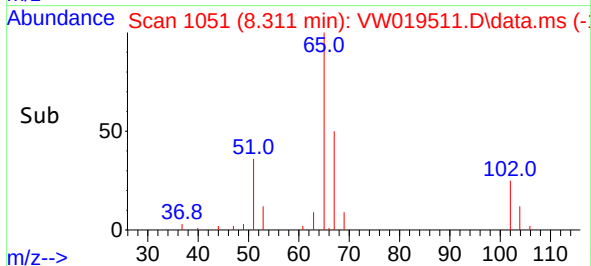
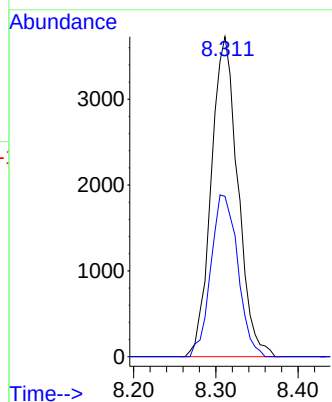
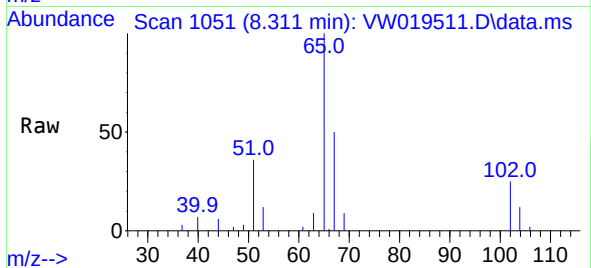




#33
1,2-Dichloroethane-d4
Concen: 70.164 ug/l
RT: 8.311 min Scan# 1051
Delta R.T. 0.000 min
Lab File: VW019511.D
Acq: 20 Jul 2021 15:08

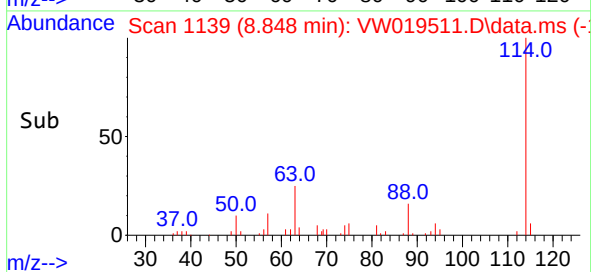
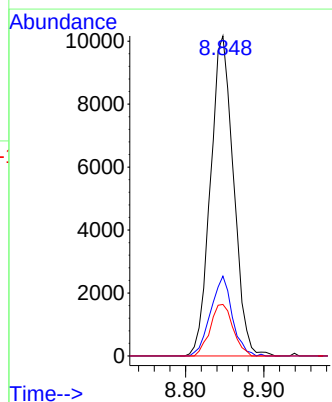
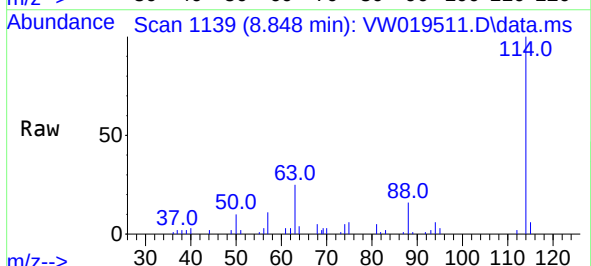
Instrument :
MSVOA_W
ClientSampled :

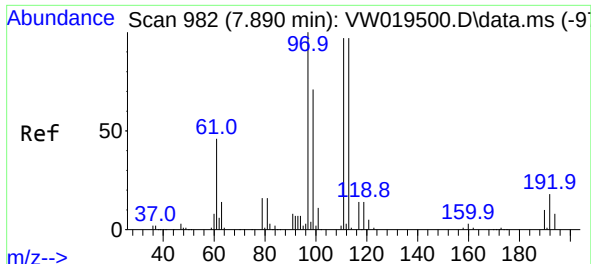
Tgt Ion: 65 Resp: 8394
Ion Ratio Lower Upper
65 100
67 51.1 0.0 107.8



#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.848 min Scan# 1139
Delta R.T. -0.000 min
Lab File: VW019511.D
Acq: 20 Jul 2021 15:08

Tgt Ion: 114 Resp: 20767
Ion Ratio Lower Upper
114 100
63 25.0 0.0 43.8
88 16.1 0.0 33.4

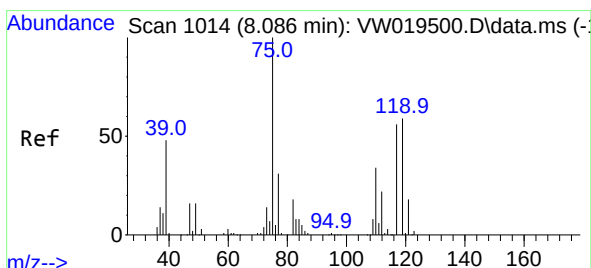
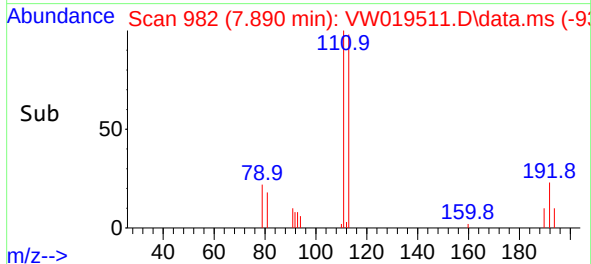
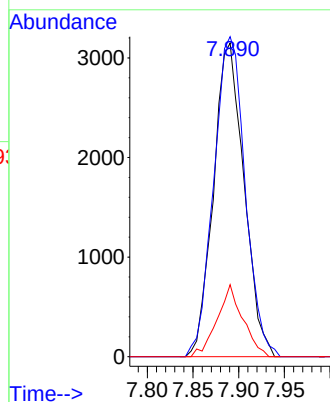
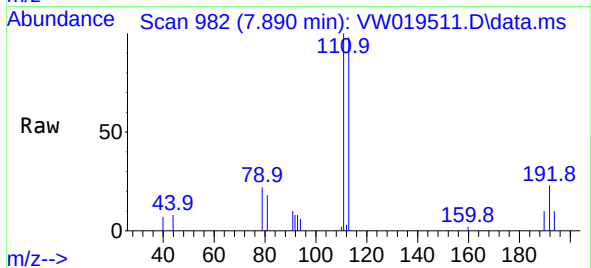




#35
Dibromofluoromethane
Concen: 57.583 ug/l
RT: 7.890 min Scan# 982
Delta R.T. 0.000 min
Lab File: VW019511.D
Acq: 20 Jul 2021 15:08

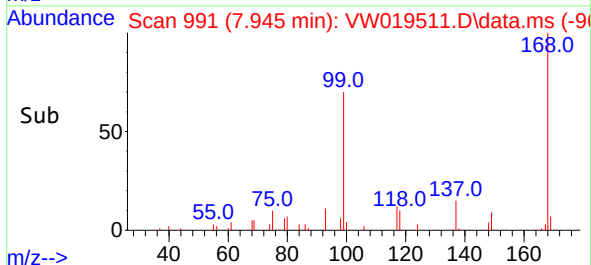
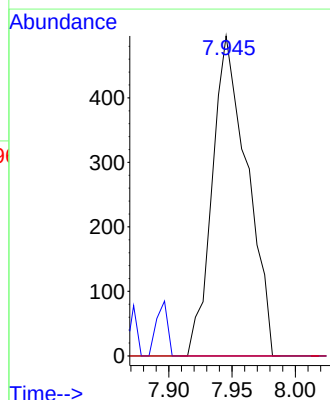
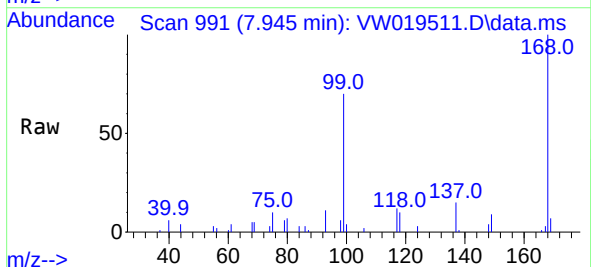
Instrument :
MSVOA_W
ClientSampleId :

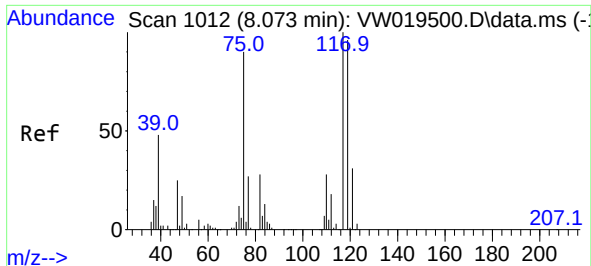
Tgt Ion:113 Resp: 7306
Ion Ratio Lower Upper
113 100
111 105.1 83.8 125.6
192 19.4 15.4 23.2



#36
1,1-Dichloropropene
Concen: 4.296 ug/l
RT: 7.945 min Scan# 991
Delta R.T. -0.140 min
Lab File: VW019511.D
Acq: 20 Jul 2021 15:08

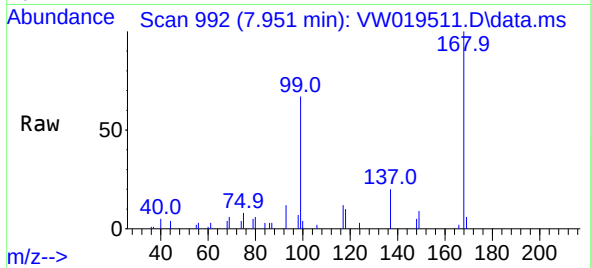
Tgt Ion: 75 Resp: 951
Ion Ratio Lower Upper
75 100
110 0.0 16.6 49.7#
77 0.0 25.1 37.7#



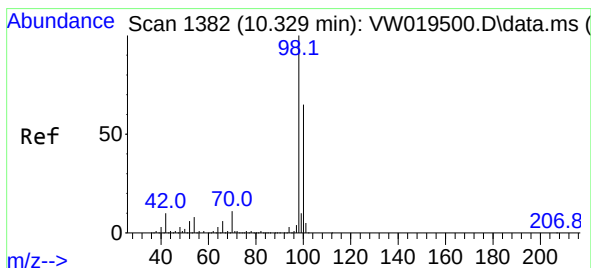
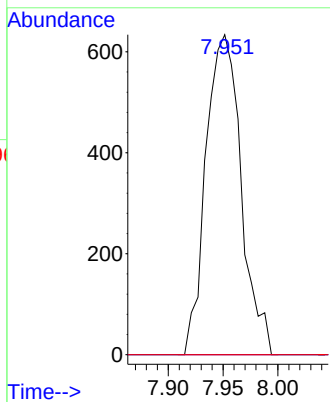
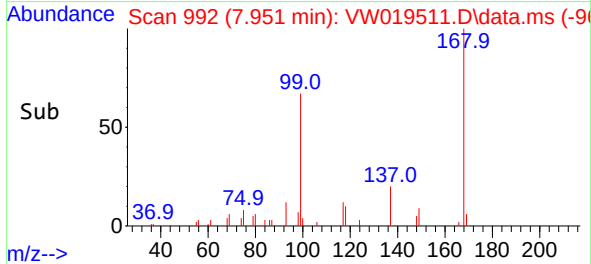


#38
Carbon Tetrachloride
Concen: 7.327 ug/l
RT: 7.951 min Scan# 992
Delta R.T. -0.122 min
Lab File: VW019511.D
Acq: 20 Jul 2021 15:08

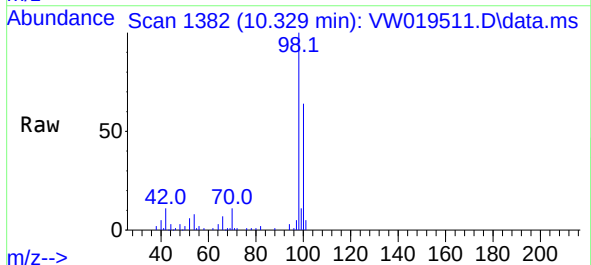
Instrument :
MSVOA_W
ClientSampled :



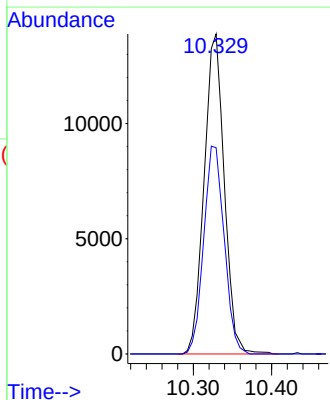
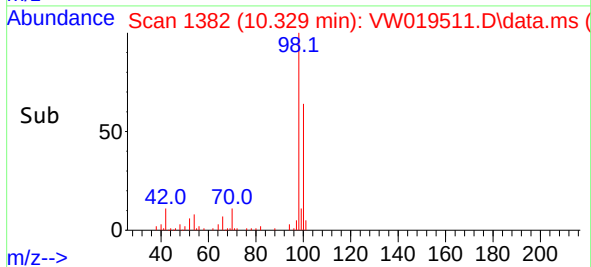
Tgt Ion:117 Resp: 1417
Ion Ratio Lower Upper
117 100
119 0.0 76.7 115.1#
121 0.0 24.8 37.2#

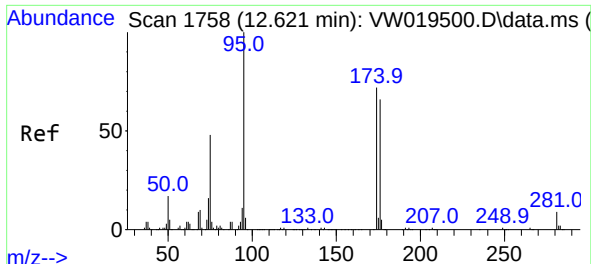


#50
Toluene-d8
Concen: 50.535 ug/l
RT: 10.329 min Scan# 1382
Delta R.T. 0.000 min
Lab File: VW019511.D
Acq: 20 Jul 2021 15:08



Tgt Ion: 98 Resp: 24825
Ion Ratio Lower Upper
98 100
100 65.9 52.2 78.4

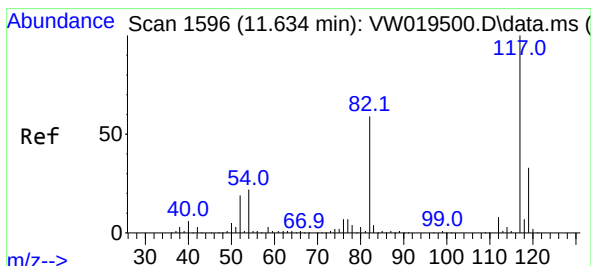
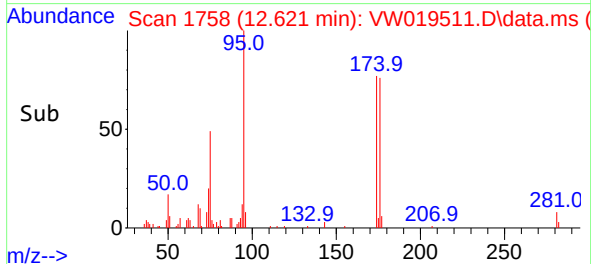
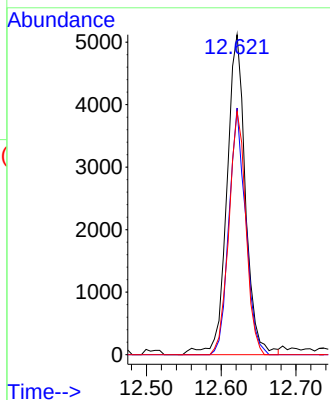
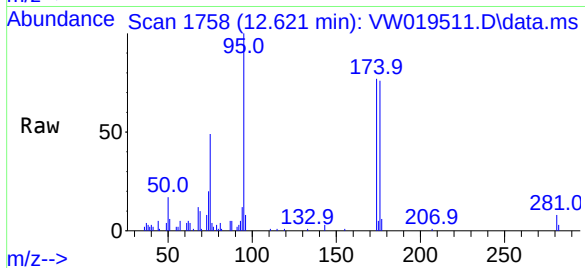




#62
4-Bromofluorobenzene
Concen: 48.126 ug/l
RT: 12.621 min Scan# 1758
Delta R.T. 0.000 min
Lab File: VW019511.D
Acq: 20 Jul 2021 15:08

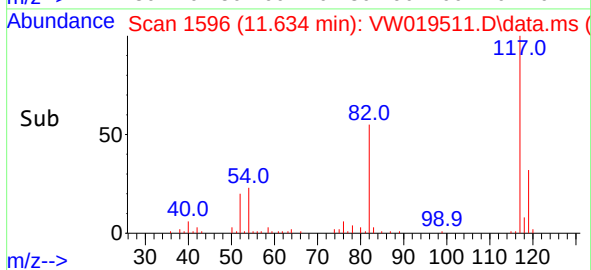
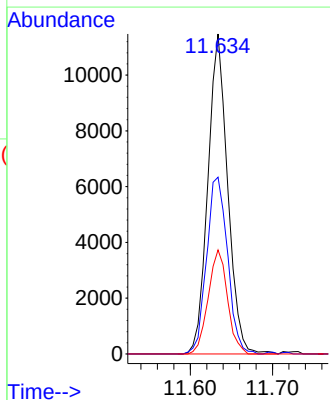
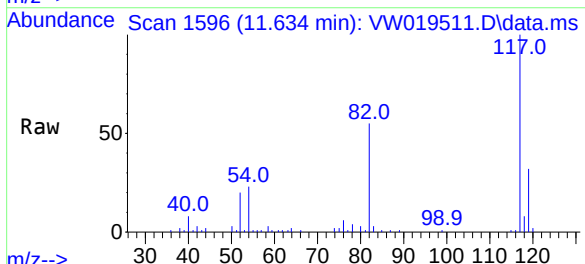
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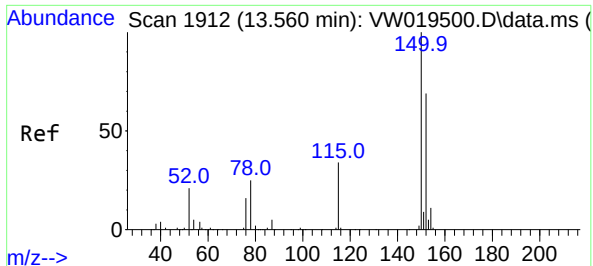
Tgt Ion:	95	Resp:	8868
Ion	Ratio	Lower	Upper
95	100		
174	69.0	0.0	146.6
176	69.2	0.0	136.8



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.634 min Scan# 1596
Delta R.T. 0.000 min
Lab File: VW019511.D
Acq: 20 Jul 2021 15:08

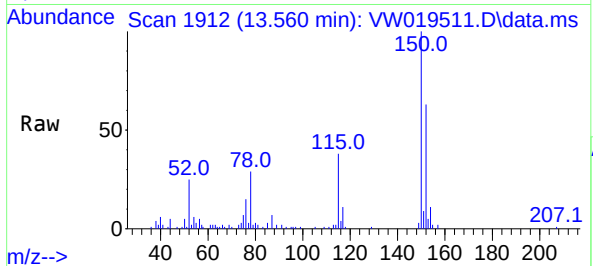
Tgt Ion:	117	Resp:	19179
Ion	Ratio	Lower	Upper
117	100		
82	55.3	47.4	71.0
119	32.5	26.6	39.8



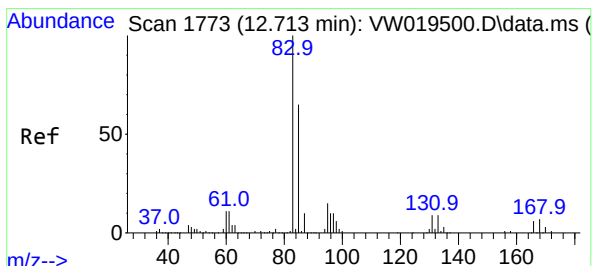
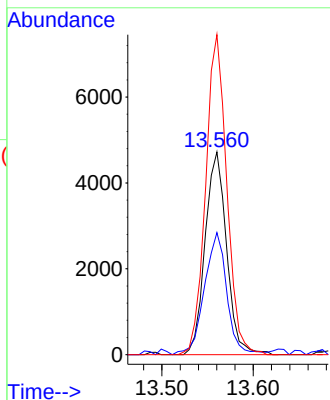
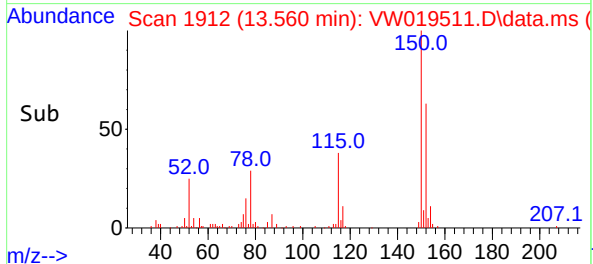


#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.560 min Scan# 1912
Delta R.T. 0.000 min
Lab File: VW019511.D
Acq: 20 Jul 2021 15:08

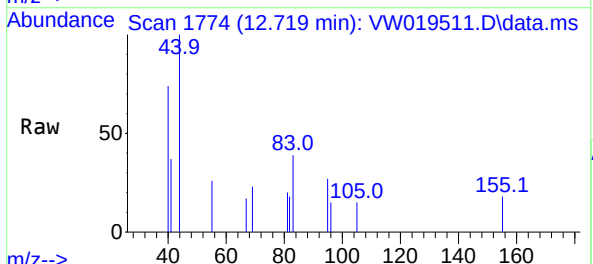
Instrument :
MSVOA_W
ClientSampled :



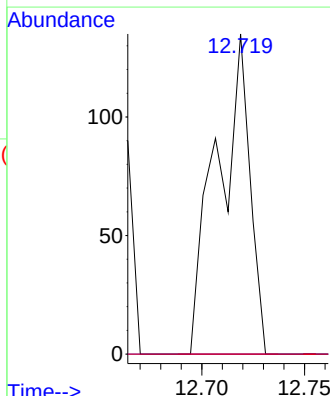
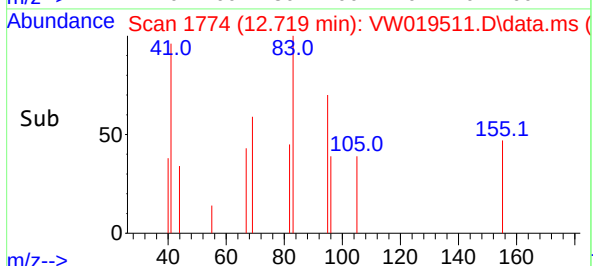
Tgt Ion:152 Resp: 7710
Ion Ratio Lower Upper
152 100
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150 155.2 0.0 342.4

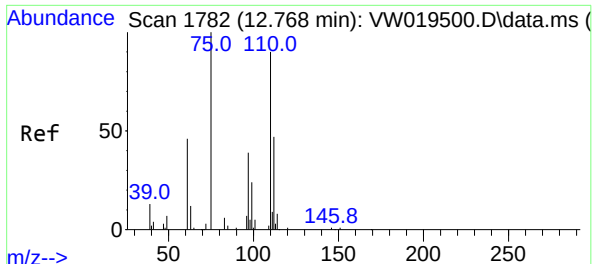


#75
1,1,2,2-Tetrachloroethane
Concen: 1.362 ug/l
RT: 12.719 min Scan# 1774
Delta R.T. 0.006 min
Lab File: VW019511.D
Acq: 20 Jul 2021 15:08



Tgt Ion: 83 Resp: 150
Ion Ratio Lower Upper
83 100
131 0.0 5.1 15.4#
85 0.0 31.8 95.4#

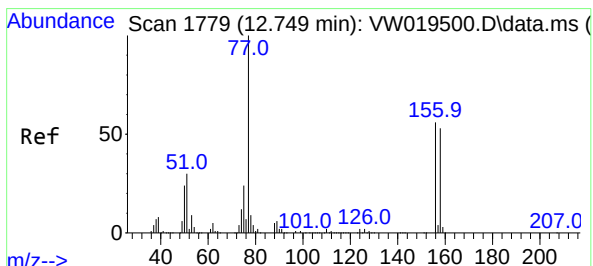
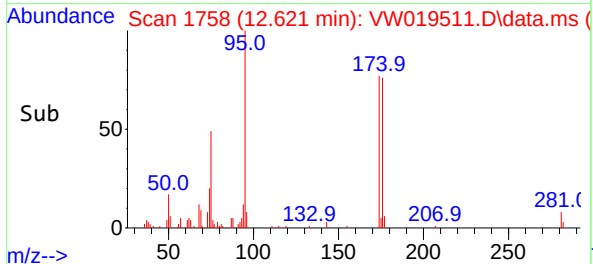
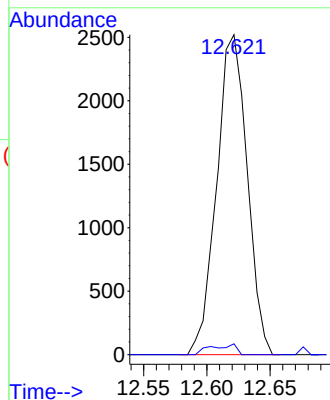
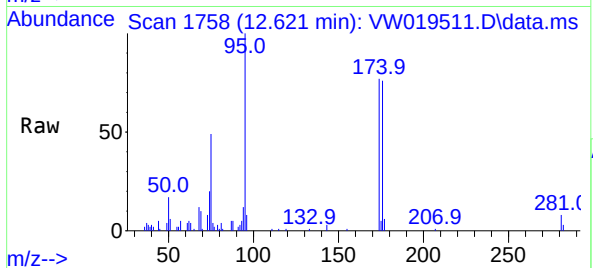




#76
1,2,3-Trichloropropane
Concen: 55.499 ug/l
RT: 12.621 min Scan# 1758
Delta R.T. -0.146 min
Lab File: VW019511.D
Acq: 20 Jul 2021 15:08

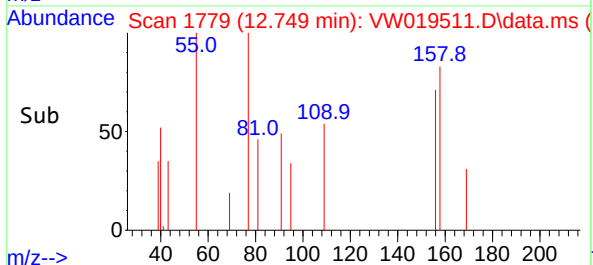
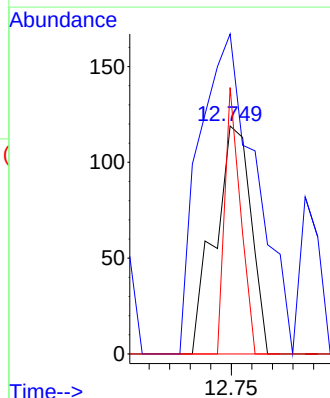
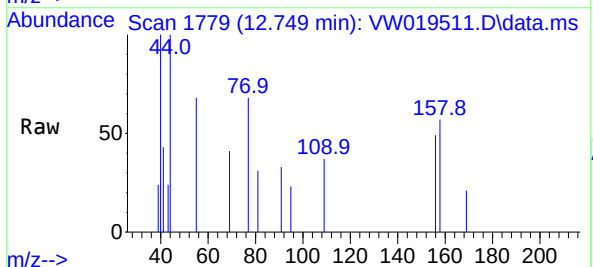
Instrument :
MSVOA_W
ClientSampleId :

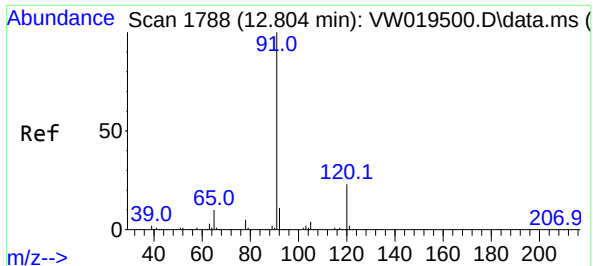
Tgt Ion: 75 Resp: 4229
Ion Ratio Lower Upper
75 100
77 2.7 0.0 0.0#



#77
Bromobenzene
Concen: 1.106 ug/l
RT: 12.749 min Scan# 1779
Delta R.T. 0.000 min
Lab File: VW019511.D
Acq: 20 Jul 2021 15:08

Tgt Ion:156 Resp: 146
Ion Ratio Lower Upper
156 100
77 216.4 102.6 307.9
158 50.7 47.1 141.4

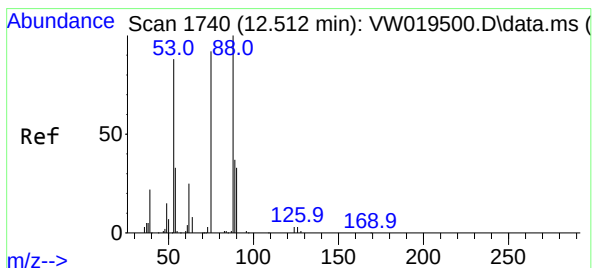
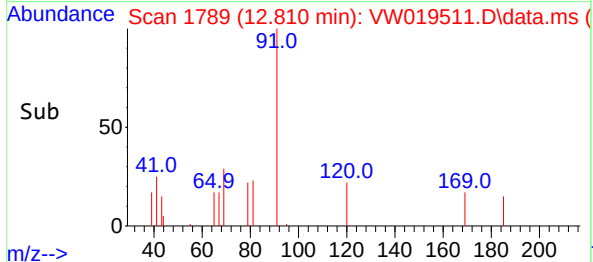
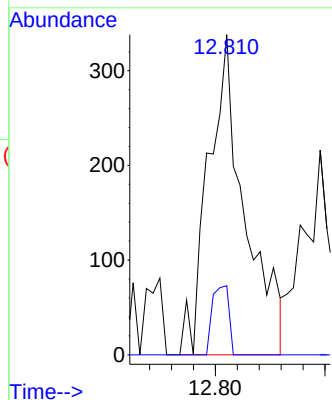
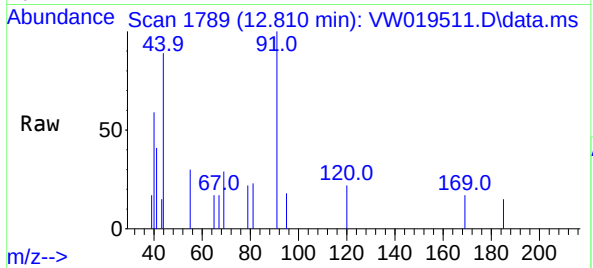




#78
n-propylbenzene
Concen: 1.068 ug/l
RT: 12.810 min Scan# 1789
Delta R.T. 0.006 min
Lab File: VW019511.D
Acq: 20 Jul 2021 15:08

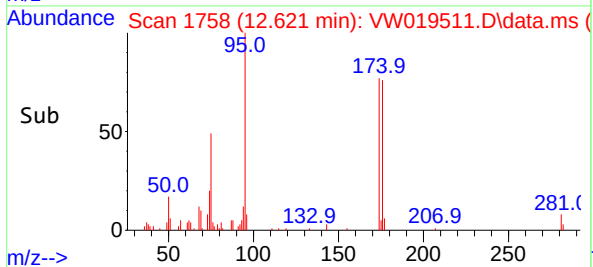
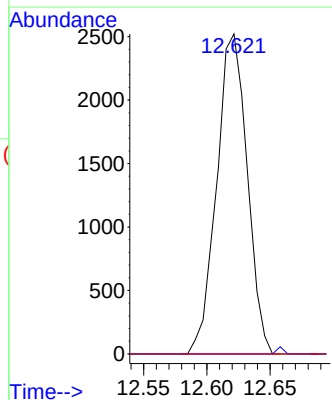
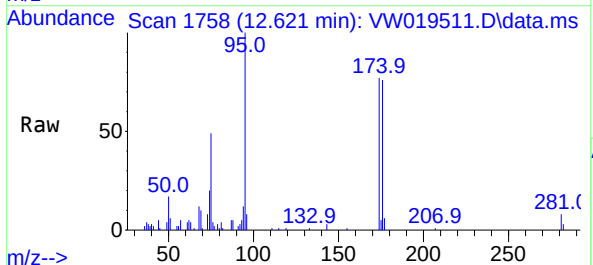
Instrument :
MSVOA_W
ClientSampled :

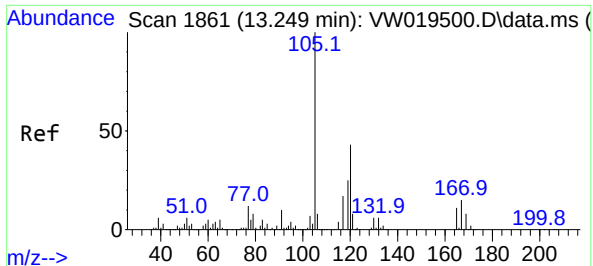
Tgt Ion: 91 Resp: 782
Ion Ratio Lower Upper
91 100
120 9.7 11.2 33.6#



#81
trans-1,4-Dichloro-2-butene
Concen: 126.481 ug/l
RT: 12.621 min Scan# 1758
Delta R.T. 0.110 min
Lab File: VW019511.D
Acq: 20 Jul 2021 15:08

Tgt Ion: 75 Resp: 4229
Ion Ratio Lower Upper
75 100
53 0.0 75.8 113.8#
89 0.0 35.7 53.5#

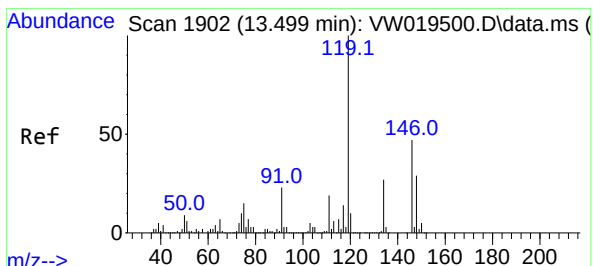
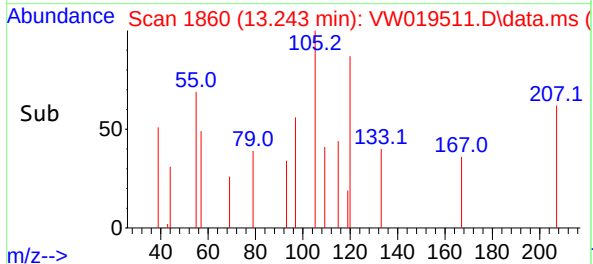
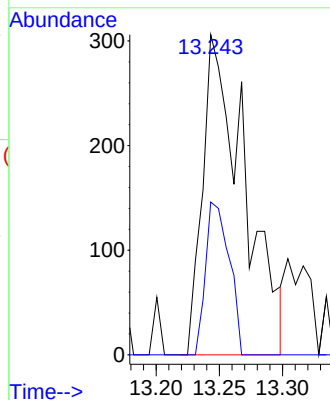
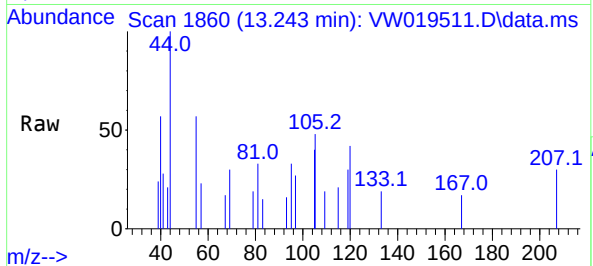




#84
1,2,4-Trimethylbenzene
Concen: 1.408 ug/l
RT: 13.243 min Scan# 1860
Delta R.T. -0.006 min
Lab File: VW019511.D
Acq: 20 Jul 2021 15:08

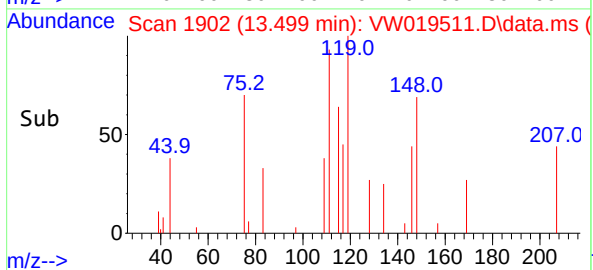
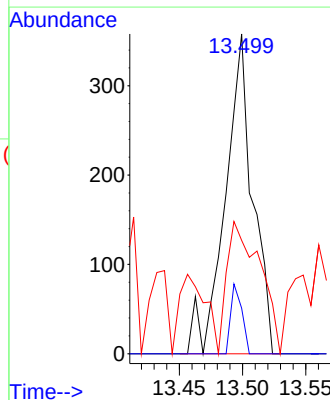
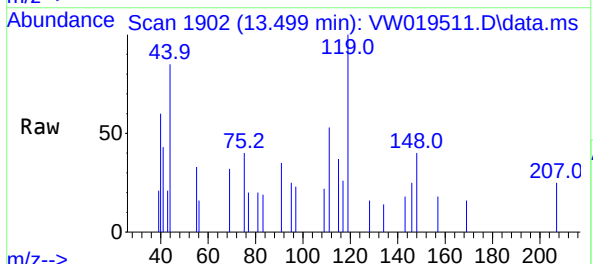
Instrument :
MSVOA_W
ClientSampled :

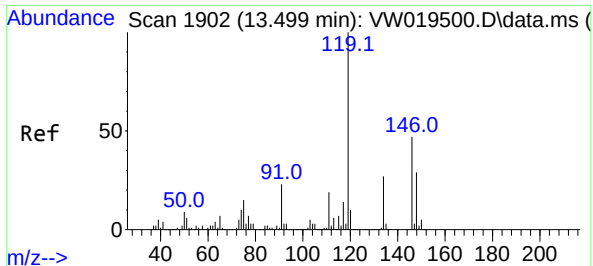
Tgt Ion:105 Resp: 704
Ion Ratio Lower Upper
105 100
120 26.8 21.9 65.8



#86
p-Isopropyltoluene
Concen: 1.004 ug/l
RT: 13.499 min Scan# 1902
Delta R.T. 0.000 min
Lab File: VW019511.D
Acq: 20 Jul 2021 15:08

Tgt Ion:119 Resp: 539
Ion Ratio Lower Upper
119 100
134 8.7 13.1 39.1#
91 49.7 12.1 36.3#

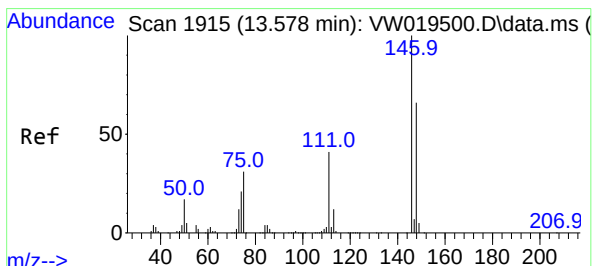
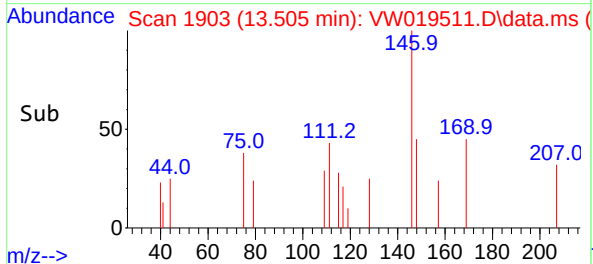
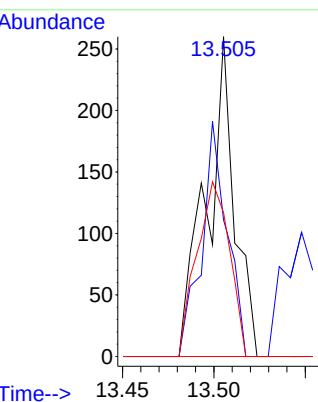
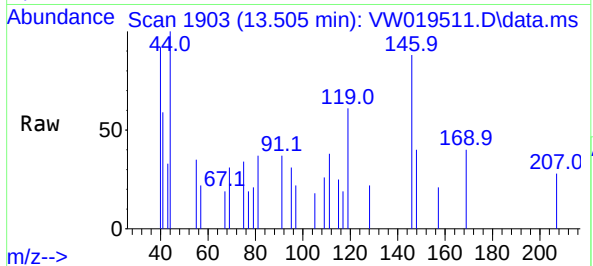




#87
1,3-Dichlorobenzene
Concen: 1.014 ug/l
RT: 13.505 min Scan# 1903
Delta R.T. 0.006 min
Lab File: VW019511.D
Acq: 20 Jul 2021 15:08

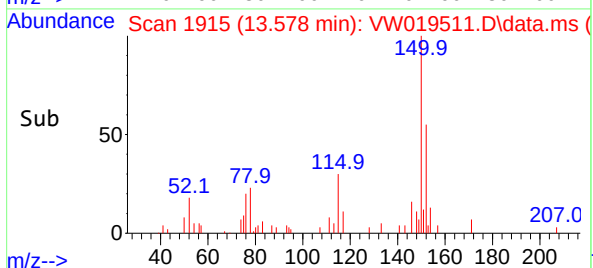
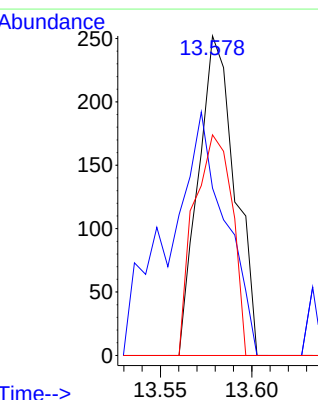
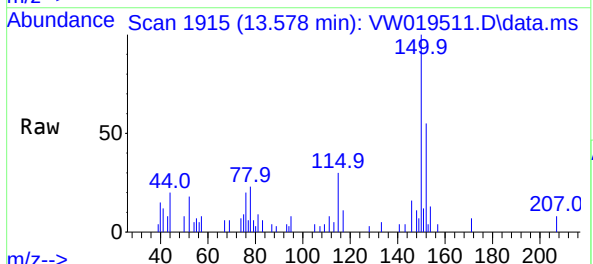
Instrument :
MSVOA_W
ClientSampleId :

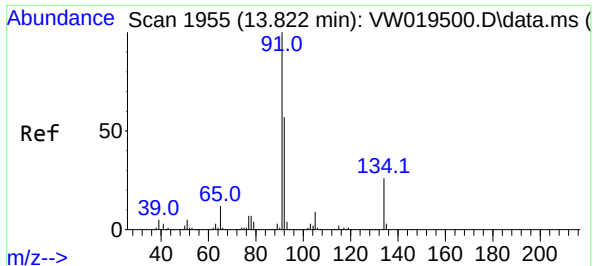
Tgt Ion:146 Resp: 274
Ion Ratio Lower Upper
146 100
111 67.2 20.8 62.2#
148 64.2 31.3 93.9



#88
1,4-Dichlorobenzene
Concen: 1.312 ug/l
RT: 13.578 min Scan# 1915
Delta R.T. -0.000 min
Lab File: VW019511.D
Acq: 20 Jul 2021 15:08

Tgt Ion:146 Resp: 351
Ion Ratio Lower Upper
146 100
111 118.5 20.6 61.8#
148 72.1 32.1 96.5

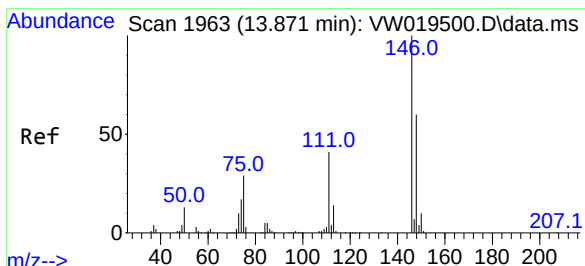
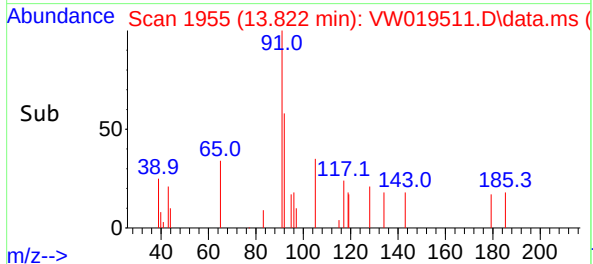
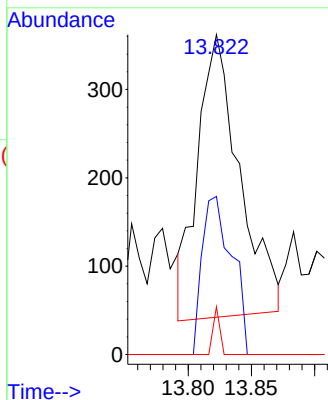
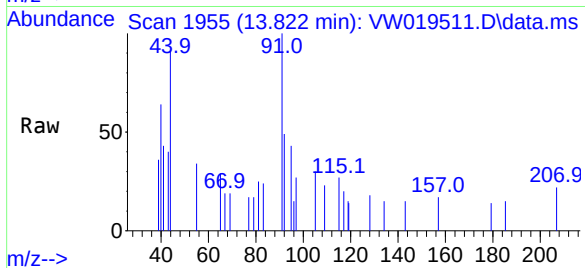




#89
n-Butylbenzene
Concen: 1.404 ug/l
RT: 13.822 min Scan# 1955
Delta R.T. -0.000 min
Lab File: VW019511.D
Acq: 20 Jul 2021 15:08

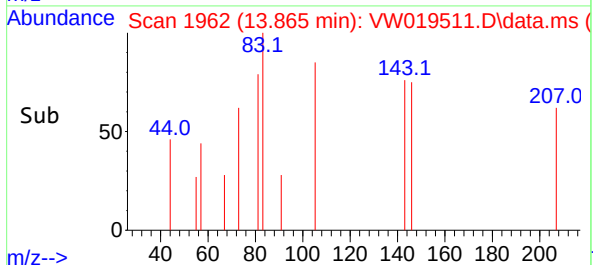
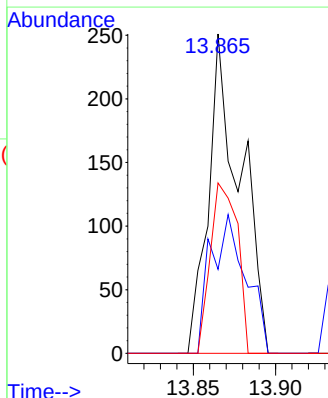
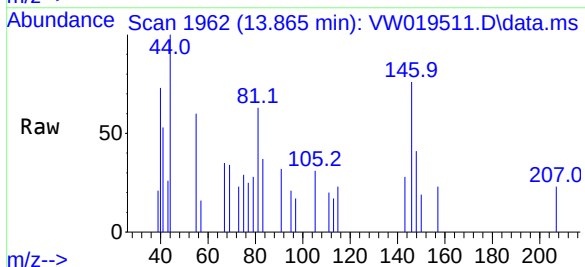
Instrument :
MSVOA_W
ClientSampled :

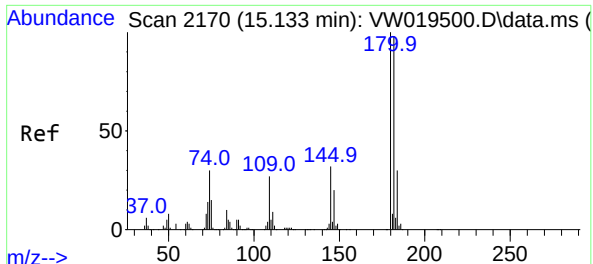
Tgt Ion:	91	Resp:	738
Ion	Ratio	Lower	Upper
91	100		
92	39.7	27.7	83.1
134	2.7	12.7	38.1#



#91
1,2-Dichlorobenzene
Concen: 1.426 ug/l
RT: 13.865 min Scan# 1962
Delta R.T. -0.006 min
Lab File: VW019511.D
Acq: 20 Jul 2021 15:08

Tgt Ion:	146	Resp:	339
Ion	Ratio	Lower	Upper
146	100		
111	47.8	21.4	64.2
148	45.1	31.9	95.7

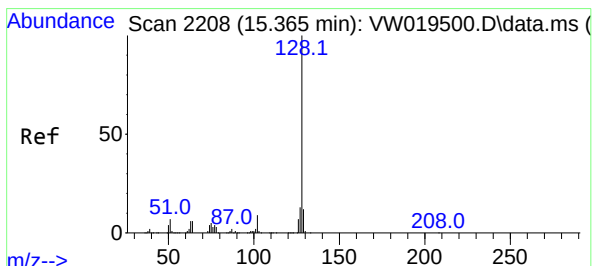
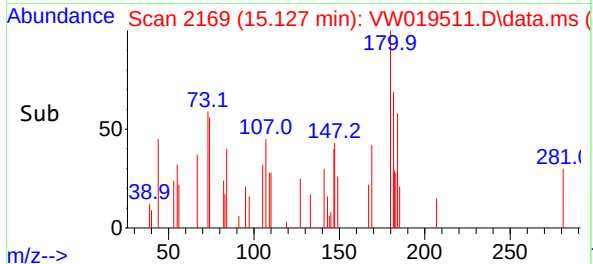
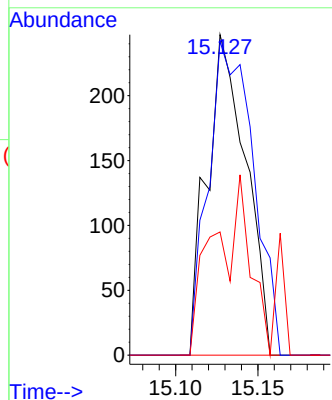
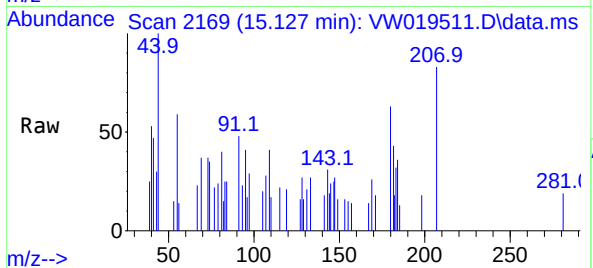




#93
1,2,4-Trichlorobenzene
Concen: 2.530 ug/l
RT: 15.127 min Scan# 2169
Delta R.T. -0.006 min
Lab File: VW019511.D
Acq: 20 Jul 2021 15:08

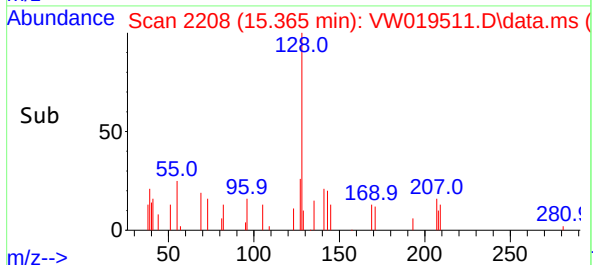
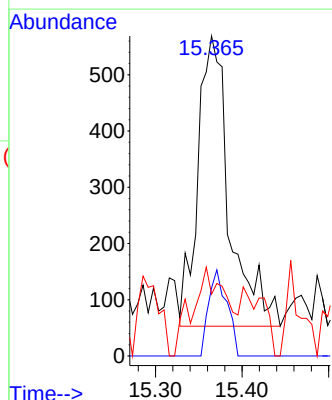
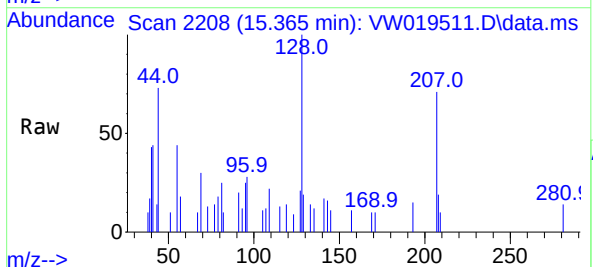
Instrument :
MSVOA_W
ClientSampled :

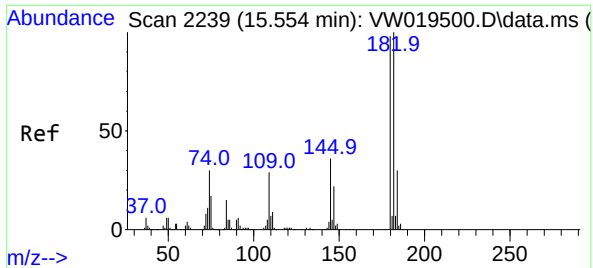
Tgt Ion:	180	Resp:	406
Ion	Ratio	Lower	Upper
180	100		
182	113.3	47.3	141.8
145	28.8	15.4	46.2



#95
Naphthalene
Concen: 4.457 ug/l
RT: 15.365 min Scan# 2208
Delta R.T. 0.000 min
Lab File: VW019511.D
Acq: 20 Jul 2021 15:08

Tgt Ion:	128	Resp:	1310
Ion	Ratio	Lower	Upper
128	100		
127	17.2	10.2	15.2#
129	12.8	8.8	13.2





#96
1,2,3-Trichlorobenzene
Concen: 3.472 ug/l
RT: 15.548 min Scan# 2238
Delta R.T. -0.006 min
Lab File: VW019511.D
Acq: 20 Jul 2021 15:08

Instrument :
MSVOA_W
ClientSampleId :

Tgt Ion:	180	Resp:	487
Ion	Ratio	Lower	Upper
180	100		
182	87.5	48.5	145.6
145	57.1	17.4	52.2#

