

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD073021\
 Data File : VD069936.D
 Acq On : 30 Jul 2021 15:00
 Operator : VA/SY
 Sample : M3238-03
 Misc : 5.07G/5.00ml/MSVOA_D/SOIL
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 221

Quant Time: Jul 31 00:38:01 2021
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D072221S.M
 Quant Title : SW846 8260
 QLast Update : Fri Jul 23 04:51:13 2021
 Response via : Initial Calibration

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

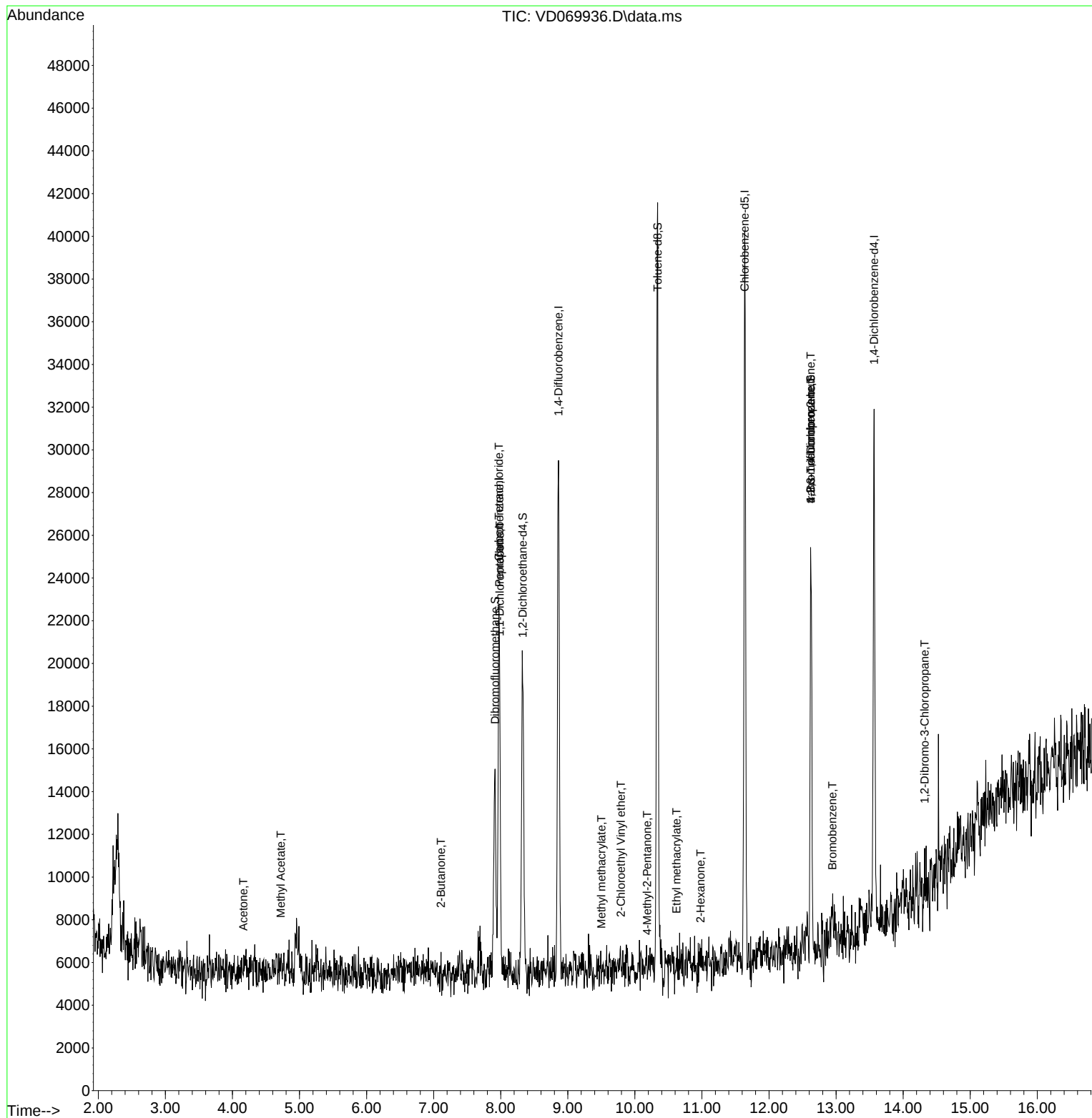
Internal Standards						
1) Pentafluorobenzene	7.979	168	12910	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.861	114	21370	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.638	117	19919	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.567	152	6336	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.326	65	11893	80.100	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	= 160.200%	
35) Dibromofluoromethane	7.914	113	7079	52.547	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	= 105.100%	
50) Toluene-d8	10.338	98	25094	48.308	ug/l	0.00
Spiked Amount	50.000	Range	49 - 140	Recovery	= 96.620%	
62) 4-Bromofluorobenzene	12.620	95	6904	39.769	ug/l	0.00
Spiked Amount	50.000	Range	25 - 144	Recovery	= 79.540%	
Target Compounds						Qvalue
5) Bromomethane	2.809	94	63	Below Cal		82
16) Acetone	4.162	43	189	7.047 ug/l	#	38
18) Methyl Acetate	4.720	43	96	1.234 ug/l	#	48
20) Methylene Chloride	4.956	84	1175	Below Cal	#	70
25) 2-Butanone	7.109	43	55	1.512 ug/l	#	46
36) 1,1-Dichloropropene	7.985	75	930	4.033 ug/l	#	42
38) Carbon Tetrachloride	7.973	117	1330	6.314 ug/l	#	12
48) Methyl methacrylate	9.503	41	60	3.454 ug/l	#	13
51) 4-Methyl-2-Pentanone	10.185	43	149	1.902 ug/l	#	34
56) Ethyl methacrylate	10.620	69	88	4.435 ug/l	#	28
58) 2-Chloroethyl Vinyl ether	9.791	63	56	21.645 ug/l	#	48
59) 2-Hexanone	10.979	43	56	1.080 ug/l	#	21
76) 1,2,3-Trichloropropane	12.620	75	3622	53.781 ug/l	#	1
77) Bromobenzene	12.944	156	1294	12.620 ug/l	#	1
81) trans-1,4-Dichloro-2-b...	12.620	75	3622	163.158 ug/l	#	17
92) 1,2-Dibromo-3-Chloropr...	14.320	75	63	4.812 ug/l	#	30

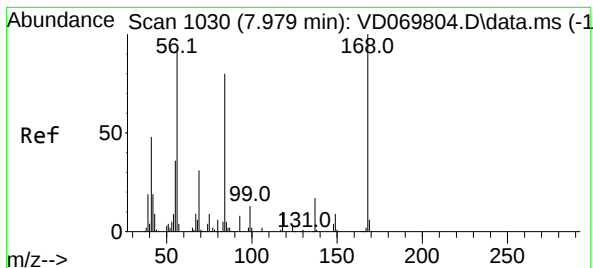
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Time: Jul 31 00:38:01 2021
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D072221S.M
Quant Title : SW846 8260
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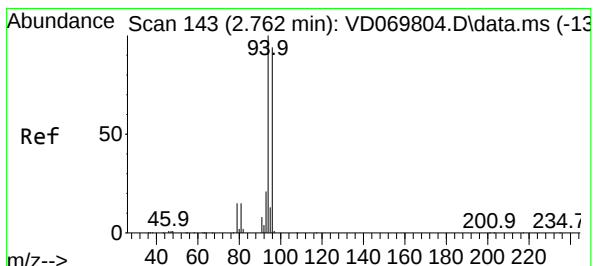
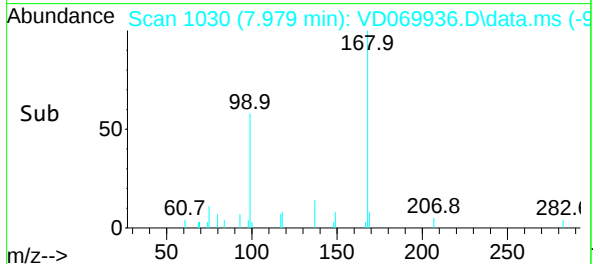
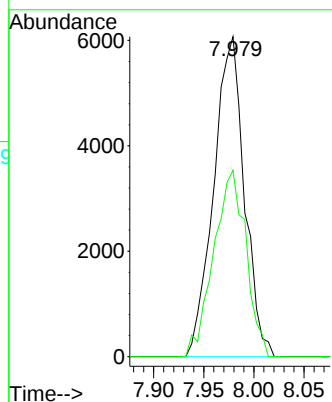
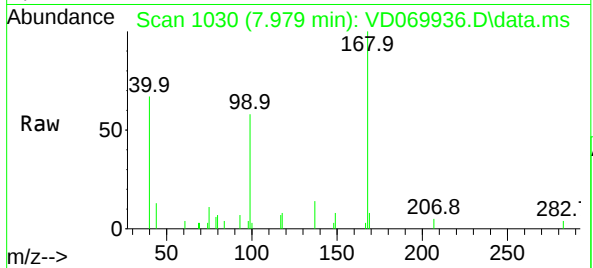




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.979 min Scan# 1030
Delta R.T. 0.000 min
Lab File: VD069936.D
Acq: 30 Jul 2021 15:00

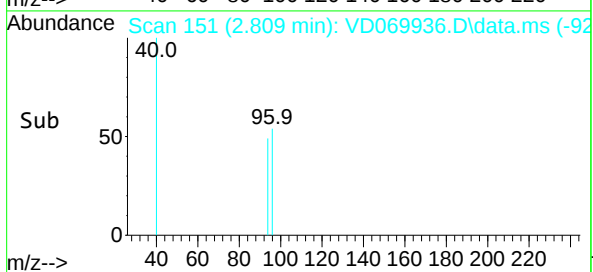
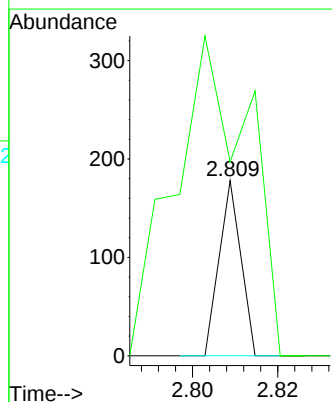
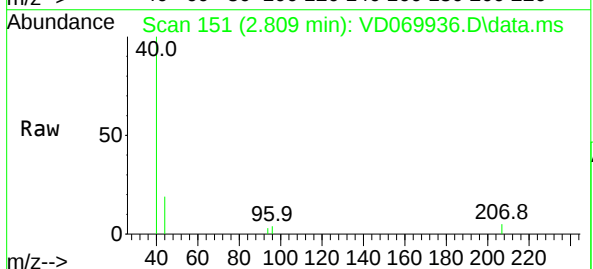
Instrument :
MSVOA_D
ClientSampled :
221

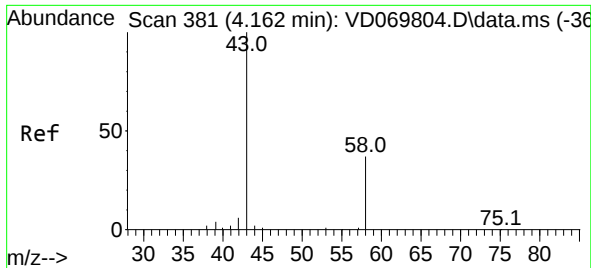
Tgt Ion:168 Resp: 12910
Ion Ratio Lower Upper
168 100
99 58.3 51.1 76.7



#5
Bromomethane
Concen: Below Cal
RT: 2.809 min Scan# 151
Delta R.T. 0.047 min
Lab File: VD069936.D
Acq: 30 Jul 2021 15:00

Tgt Ion: 94 Resp: 63
Ion Ratio Lower Upper
94 100
96 110.7 74.8 112.2

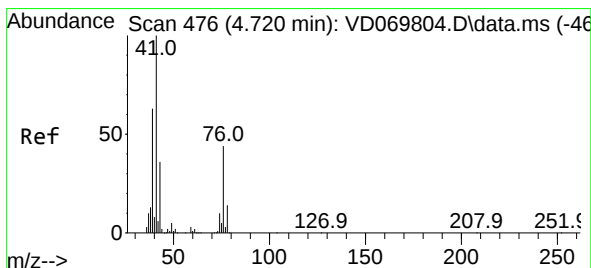
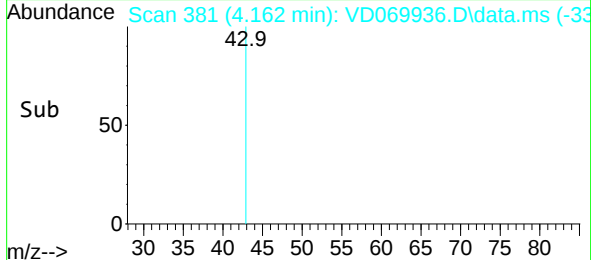
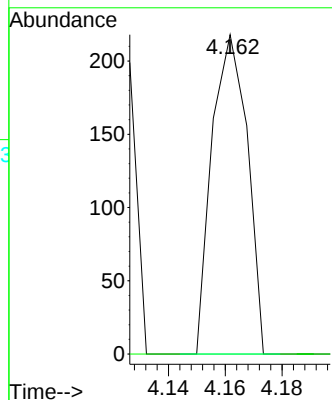
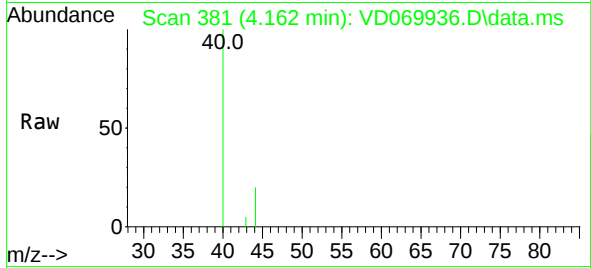




#16
Acetone
Concen: 7.047 ug/l
RT: 4.162 min Scan# 381
Delta R.T. -0.000 min
Lab File: VD069936.D
Acq: 30 Jul 2021 15:00

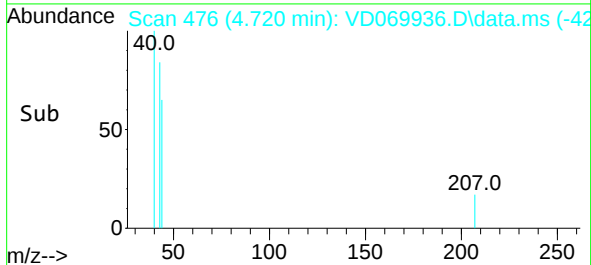
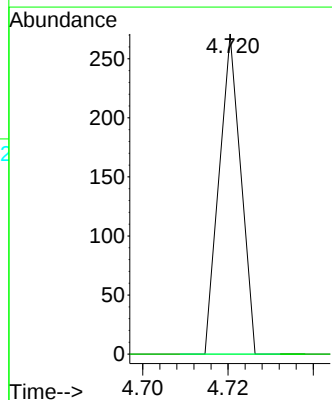
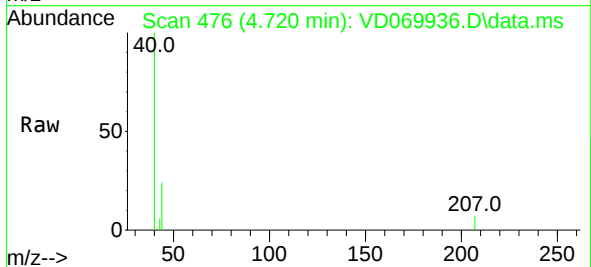
Instrument :
MSVOA_D
ClientSampled :
221

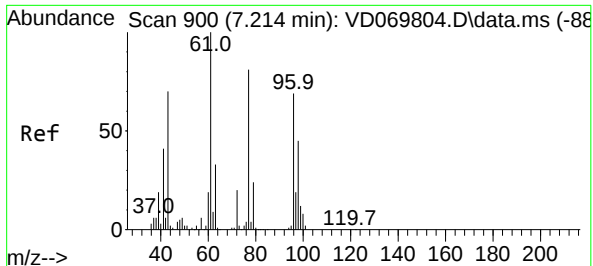
Tgt Ion: 43 Resp: 189
Ion Ratio Lower Upper
43 100
58 0.0 29.4 44.0#



#18
Methyl Acetate
Concen: 1.234 ug/l
RT: 4.720 min Scan# 476
Delta R.T. -0.000 min
Lab File: VD069936.D
Acq: 30 Jul 2021 15:00

Tgt Ion: 43 Resp: 96
Ion Ratio Lower Upper
43 100
74 0.0 21.4 32.2#

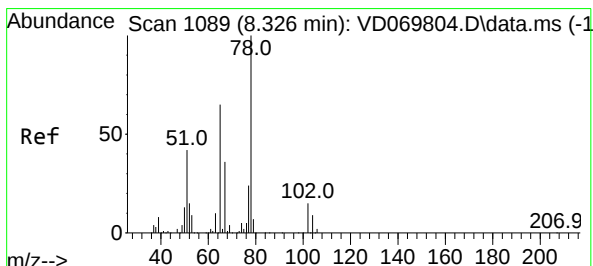
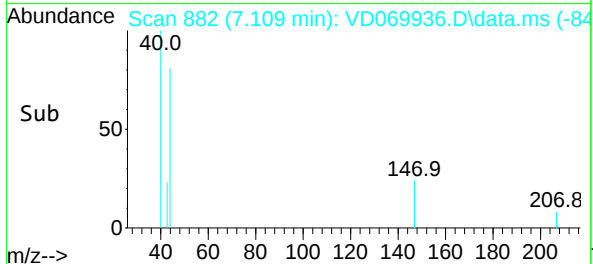
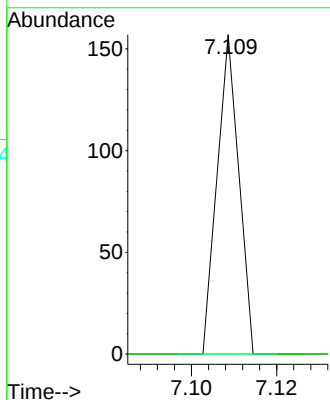
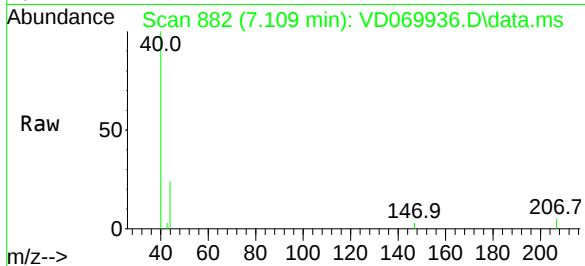




#25
2-Butanone
Concen: 1.512 ug/l
RT: 7.109 min Scan# 882
Delta R.T. -0.106 min
Lab File: VD069936.D
Acq: 30 Jul 2021 15:00

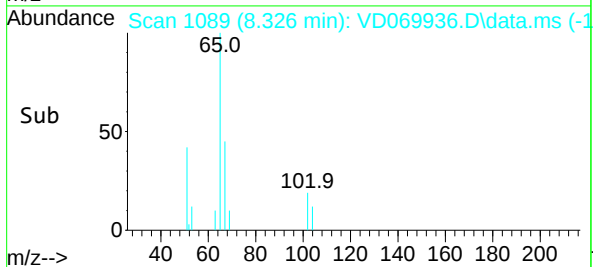
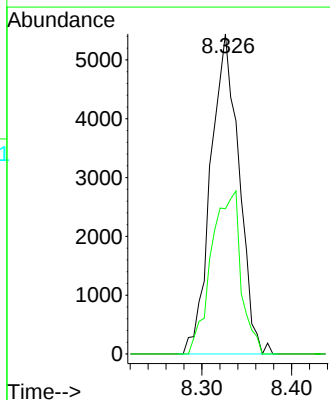
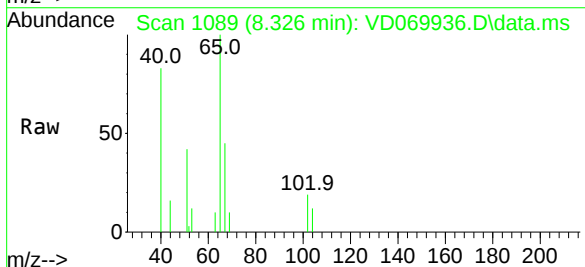
Instrument :
MSVOA_D
ClientSampled :
221

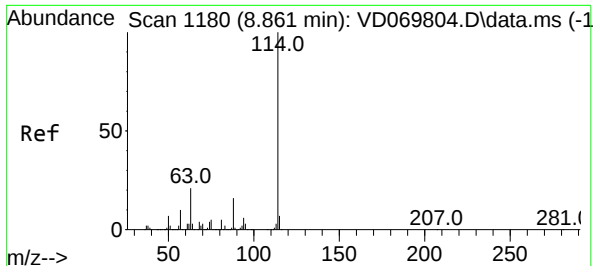
Tgt Ion: 43 Resp: 55
Ion Ratio Lower Upper
43 100
72 0.0 22.8 34.2#



#33
1,2-Dichloroethane-d4
Concen: 80.100 ug/l
RT: 8.326 min Scan# 1089
Delta R.T. -0.000 min
Lab File: VD069936.D
Acq: 30 Jul 2021 15:00

Tgt Ion: 65 Resp: 11893
Ion Ratio Lower Upper
65 100
67 53.2 0.0 111.2

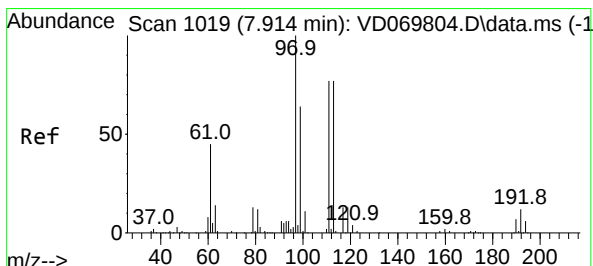
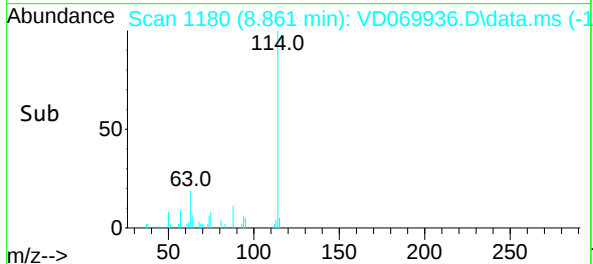
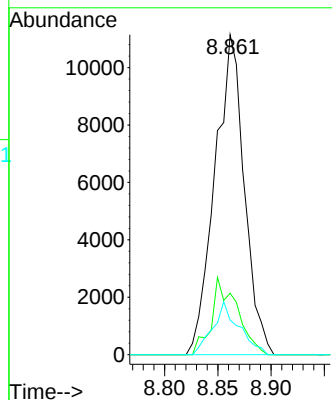
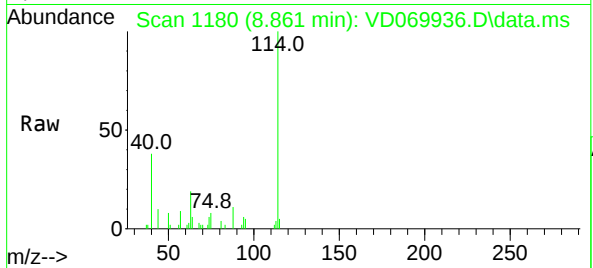




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.861 min Scan# 1180
Delta R.T. 0.000 min
Lab File: VD069936.D
Acq: 30 Jul 2021 15:00

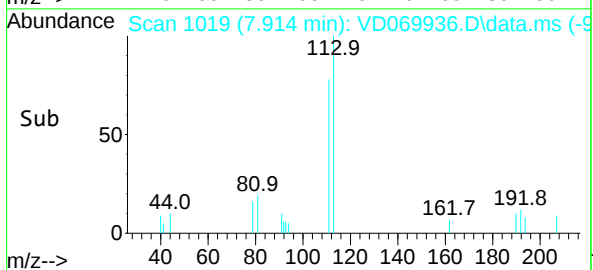
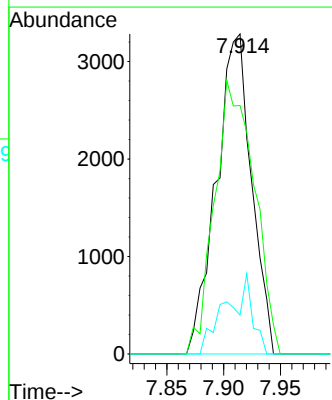
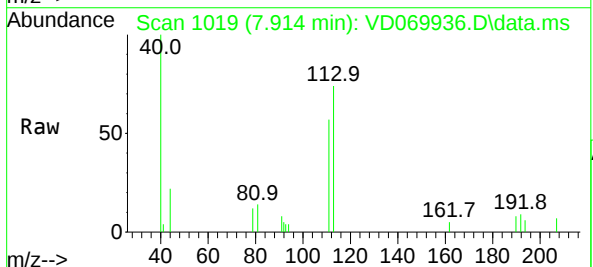
Instrument :
MSVOA_D
ClientSampled :
221

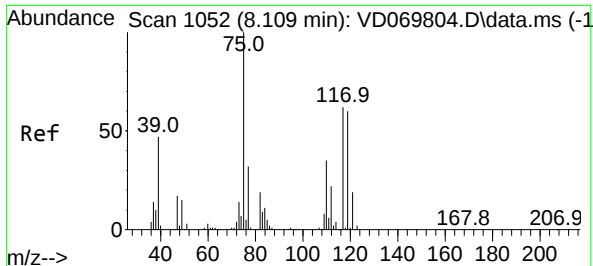
Tgt Ion:	114	Resp:	21370
Ion	Ratio	Lower	Upper
114	100		
63	19.2	0.0	41.6
88	10.8	0.0	31.4



#35
Dibromofluoromethane
Concen: 52.547 ug/l
RT: 7.914 min Scan# 1019
Delta R.T. -0.000 min
Lab File: VD069936.D
Acq: 30 Jul 2021 15:00

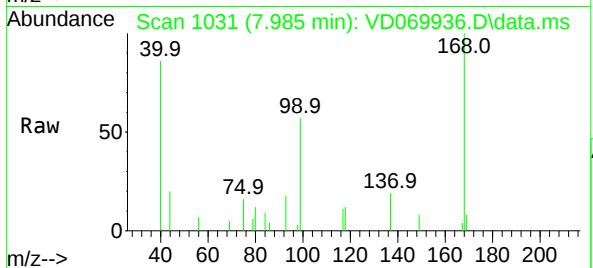
Tgt Ion:	113	Resp:	7079
Ion	Ratio	Lower	Upper
113	100		
111	96.3	80.5	120.7
192	18.6	12.6	19.0



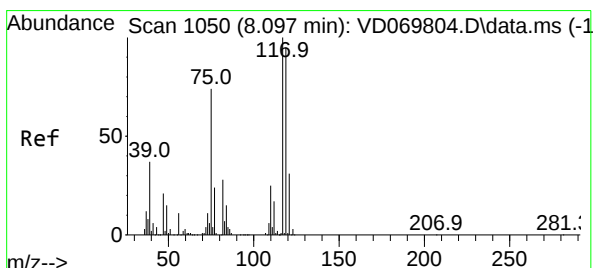
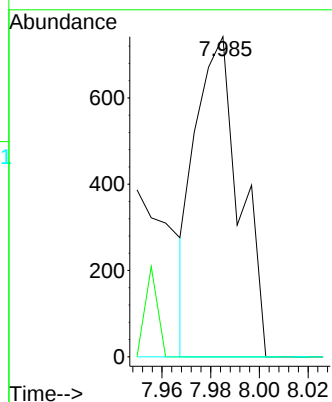
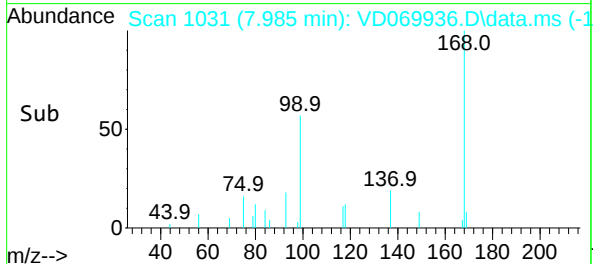


#36
1,1-Dichloropropene
Concen: 4.033 ug/l
RT: 7.985 min Scan# 1031
Delta R.T. -0.124 min
Lab File: VD069936.D
Acq: 30 Jul 2021 15:00

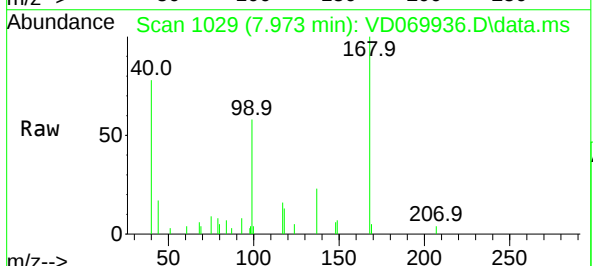
Instrument :
MSVOA_D
ClientSampled :
221



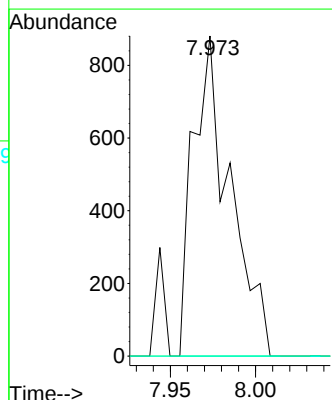
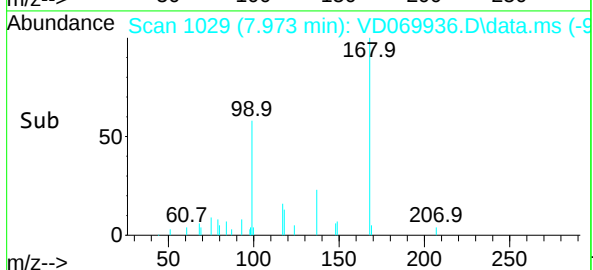
Tgt Ion: 75 Resp: 930
Ion Ratio Lower Upper
75 100
110 0.0 16.9 50.7#
77 0.0 24.9 37.3#

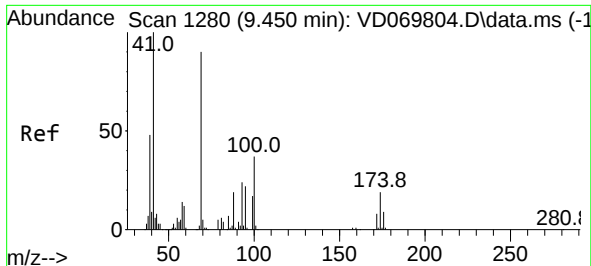


#38
Carbon Tetrachloride
Concen: 6.314 ug/l
RT: 7.973 min Scan# 1029
Delta R.T. -0.124 min
Lab File: VD069936.D
Acq: 30 Jul 2021 15:00



Tgt Ion: 117 Resp: 1330
Ion Ratio Lower Upper
117 100
119 0.0 76.2 114.2#
121 0.0 24.5 36.7#

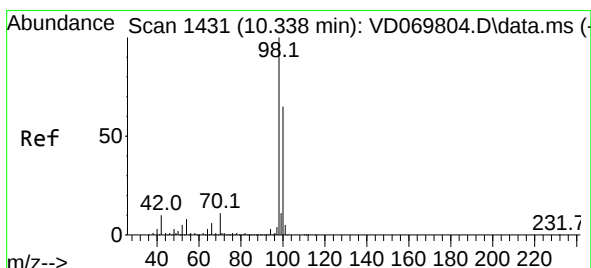
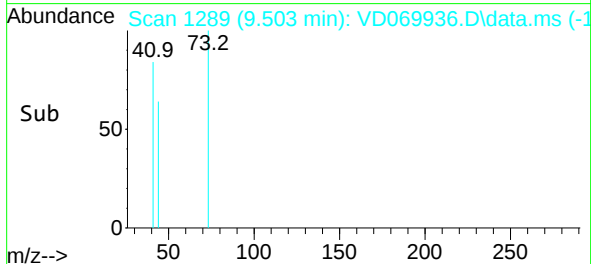
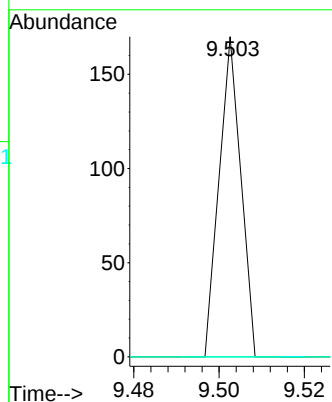
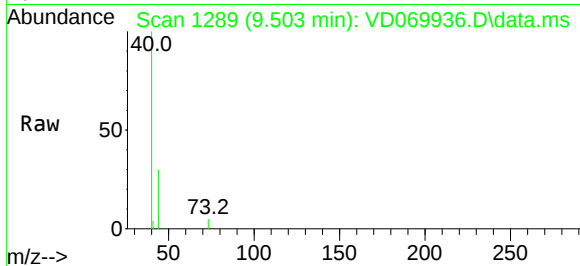




#48
Methyl methacrylate
Concen: 3.454 ug/l
RT: 9.503 min Scan# 1289
Delta R.T. 0.053 min
Lab File: VD069936.D
Acq: 30 Jul 2021 15:00

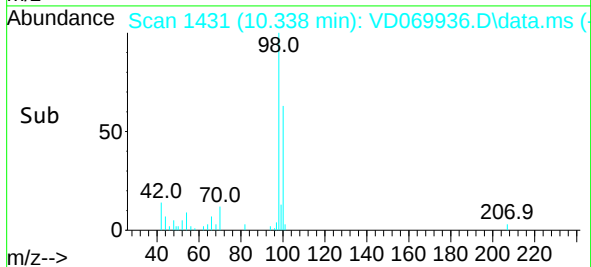
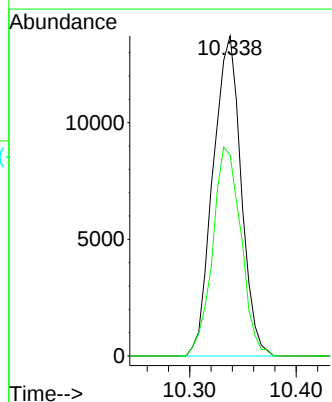
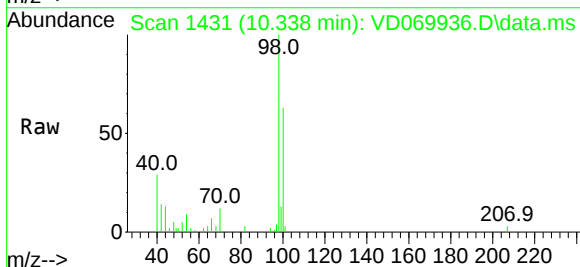
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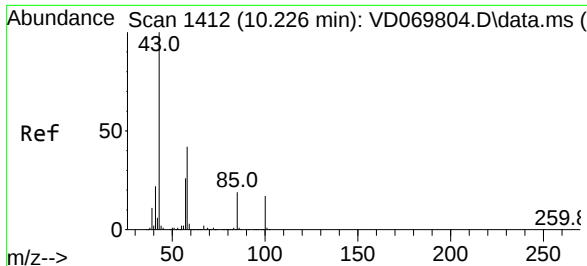
Tgt Ion: 41 Resp: 60
Ion Ratio Lower Upper
41 100
69 0.0 73.4 110.2#
39 0.0 36.6 55.0#



#50
Toluene-d8
Concen: 48.308 ug/l
RT: 10.338 min Scan# 1431
Delta R.T. -0.000 min
Lab File: VD069936.D
Acq: 30 Jul 2021 15:00

Tgt Ion: 98 Resp: 25094
Ion Ratio Lower Upper
98 100
100 65.9 51.9 77.9

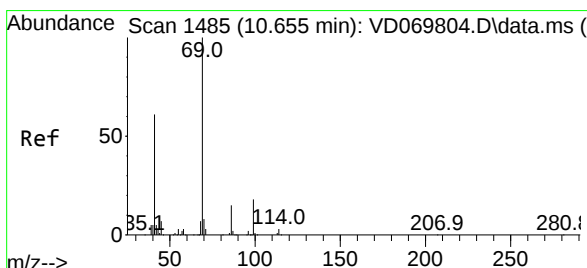
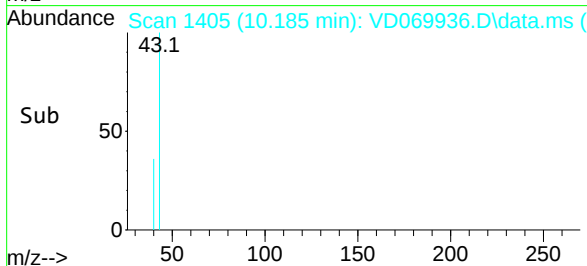
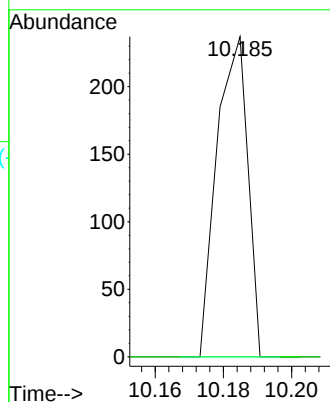
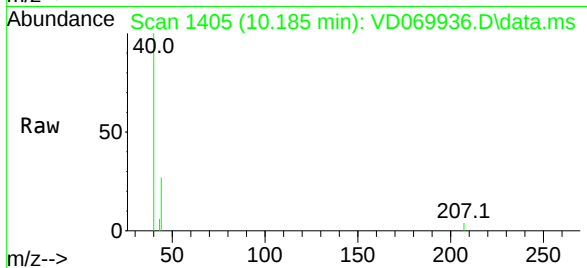




#51
4-Methyl-2-Pentanone
Concen: 1.902 ug/l
RT: 10.185 min Scan# 1405
Delta R.T. -0.041 min
Lab File: VD069936.D
Acq: 30 Jul 2021 15:00

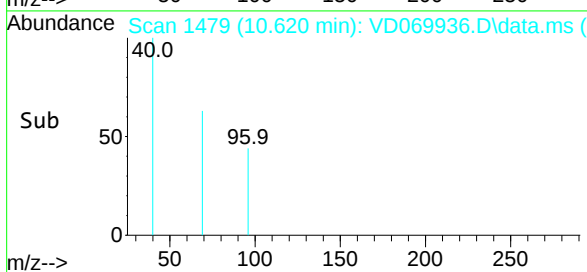
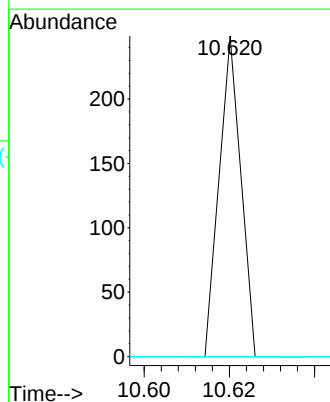
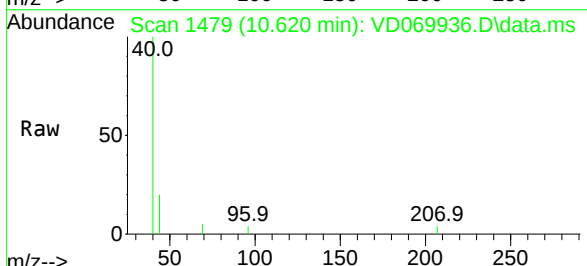
Instrument :
MSVOA_D
ClientSampled :
221

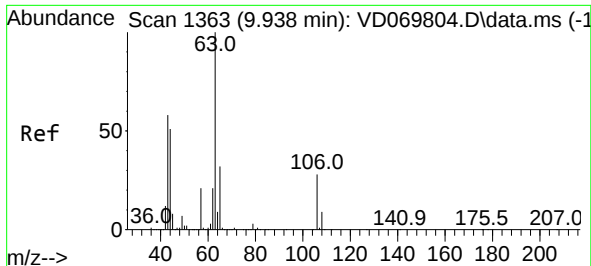
Tgt Ion: 43 Resp: 149
Ion Ratio Lower Upper
43 100
58 0.0 33.7 50.5#



#56
Ethyl methacrylate
Concen: 4.435 ug/l
RT: 10.620 min Scan# 1479
Delta R.T. -0.035 min
Lab File: VD069936.D
Acq: 30 Jul 2021 15:00

Tgt Ion: 69 Resp: 88
Ion Ratio Lower Upper
69 100
41 0.0 50.2 75.2#
39 0.0 22.0 33.0#

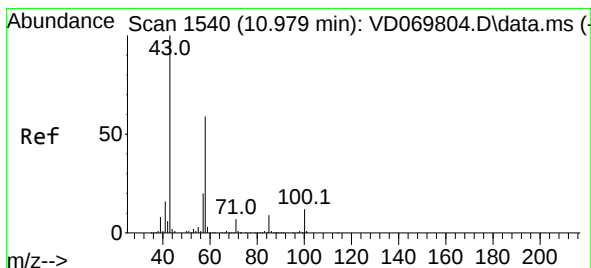
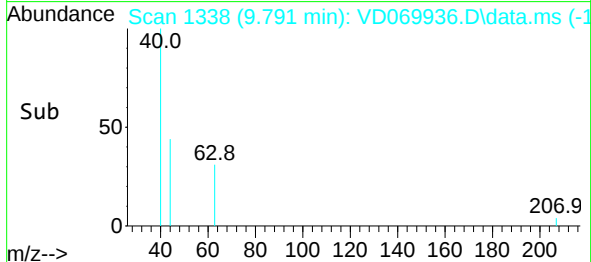
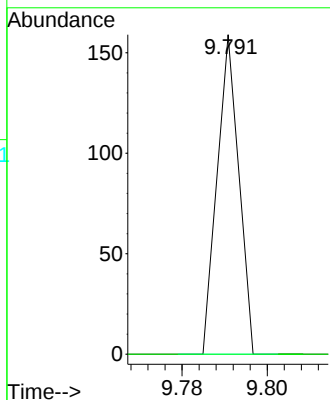
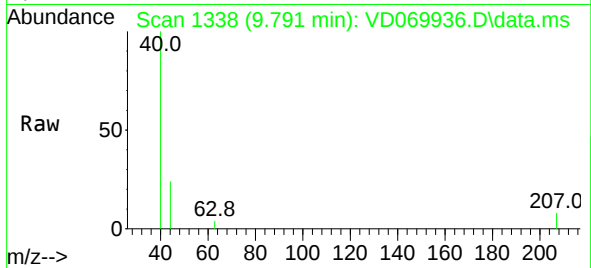




#58
2-Chloroethyl Vinyl ether
Concen: 21.645 ug/l
RT: 9.791 min Scan# 1338
Delta R.T. -0.147 min
Lab File: VD069936.D
Acq: 30 Jul 2021 15:00

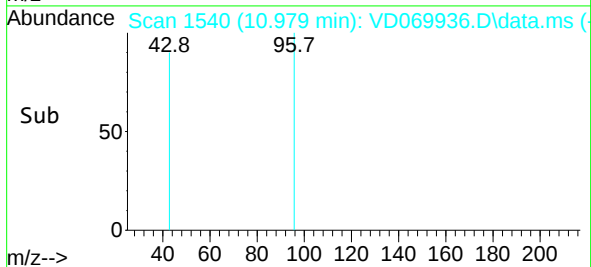
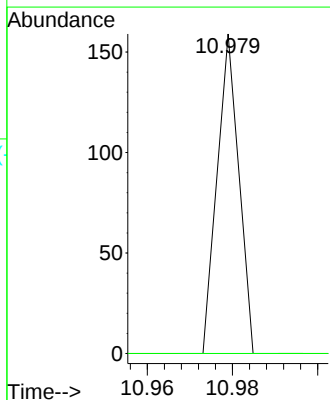
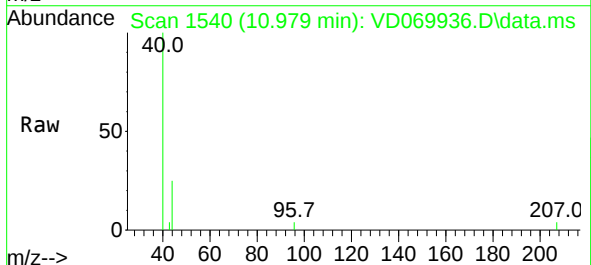
Instrument :
MSVOA_D
ClientSampled :
221

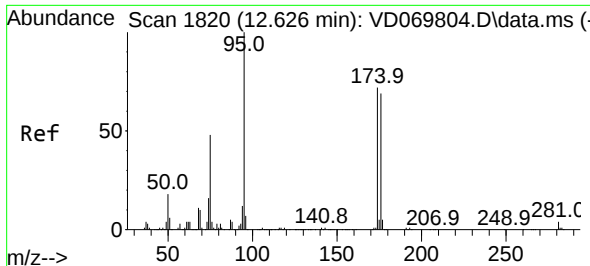
Tgt Ion: 63 Resp: 56
Ion Ratio Lower Upper
63 100
106 0.0 21.8 32.6#



#59
2-Hexanone
Concen: 1.080 ug/l
RT: 10.979 min Scan# 1540
Delta R.T. -0.000 min
Lab File: VD069936.D
Acq: 30 Jul 2021 15:00

Tgt Ion: 43 Resp: 56
Ion Ratio Lower Upper
43 100
58 0.0 29.4 88.3#

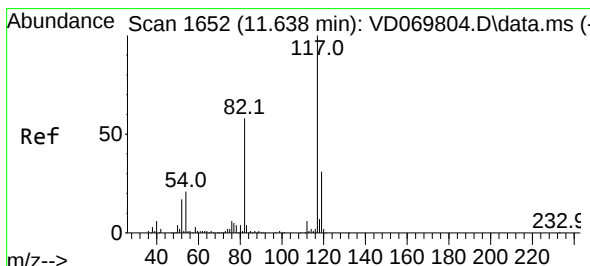
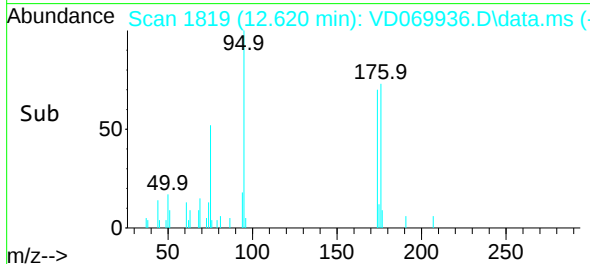
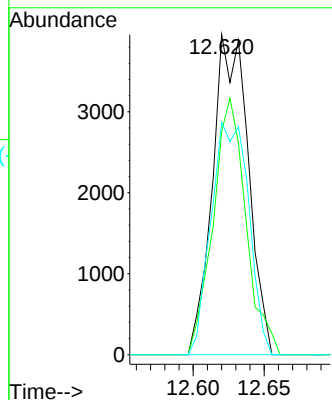
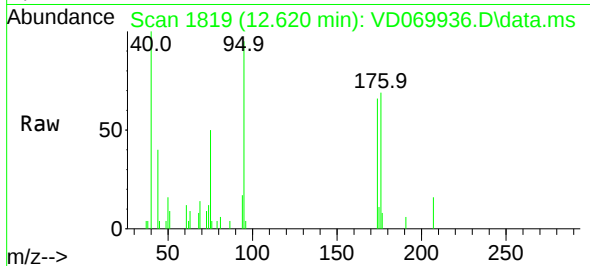




#62
4-Bromofluorobenzene
Concen: 39.769 ug/l
RT: 12.620 min Scan# 1819
Delta R.T. -0.006 min
Lab File: VD069936.D
Acq: 30 Jul 2021 15:00

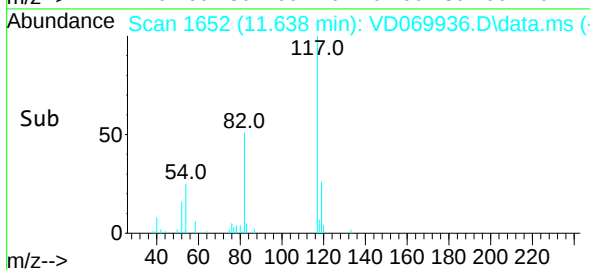
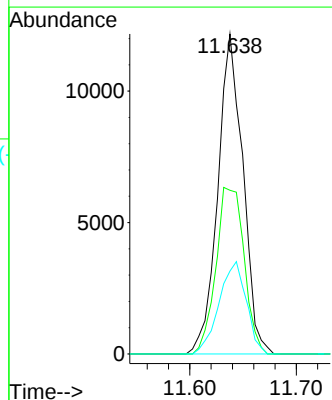
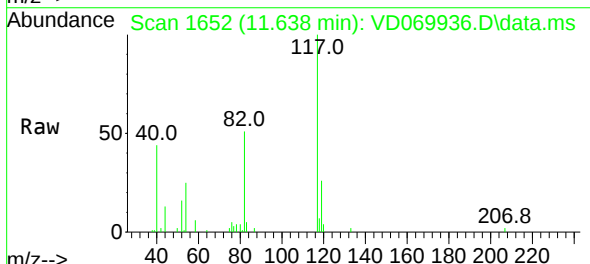
Instrument :
MSVOA_D
ClientSampleId :
221

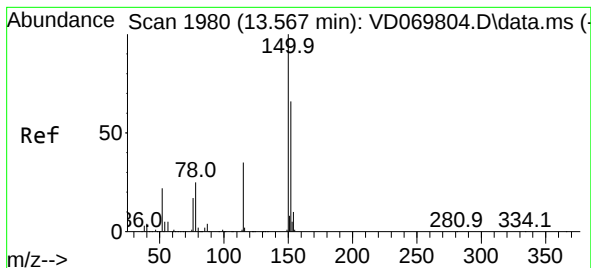
Tgt Ion:	95	Resp:	6904
Ion	Ratio	Lower	Upper
95	100		
174	73.7	0.0	142.6
176	76.5	0.0	134.2



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.638 min Scan# 1652
Delta R.T. -0.000 min
Lab File: VD069936.D
Acq: 30 Jul 2021 15:00

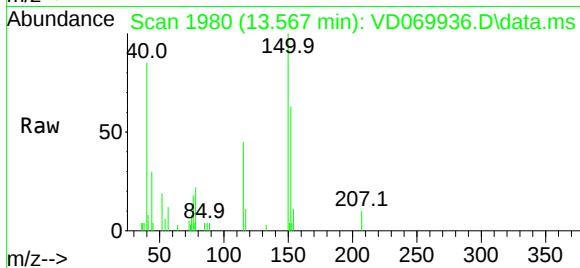
Tgt Ion:	117	Resp:	19919
Ion	Ratio	Lower	Upper
117	100		
82	51.2	46.3	69.5
119	25.9	24.7	37.1



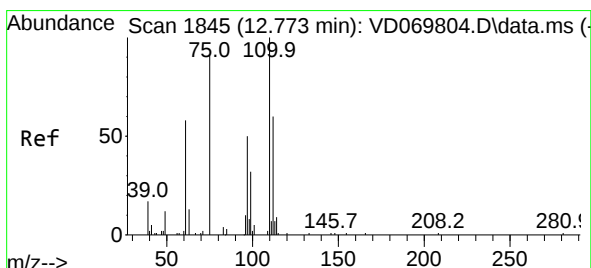
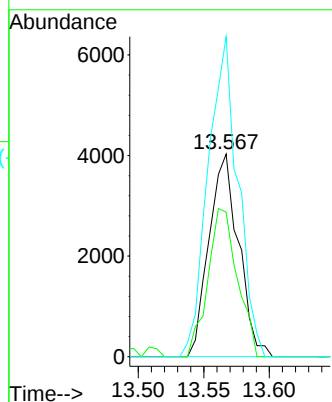
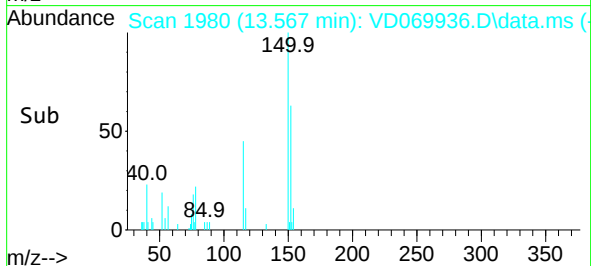


#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 13.567 min Scan# 1980
 Delta R.T. -0.000 min
 Lab File: VD069936.D
 Acq: 30 Jul 2021 15:00

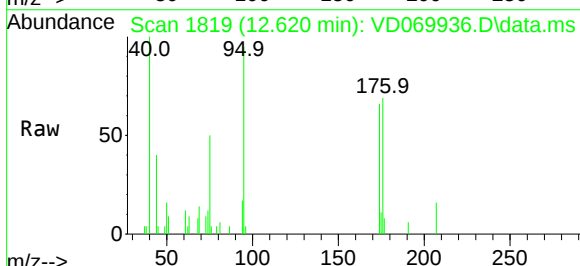
Instrument :
 MSVOA_D
 ClientSampled :
 221



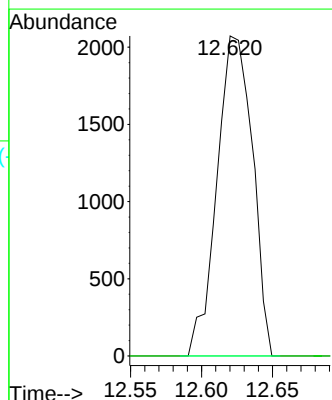
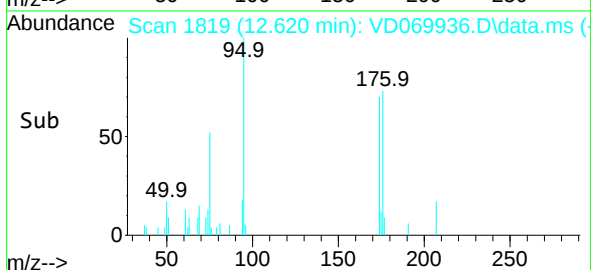
Tgt Ion:152 Resp: 6336
 Ion Ratio Lower Upper
 152 100
 115 72.6 31.1 93.3
 150 159.5 0.0 343.0

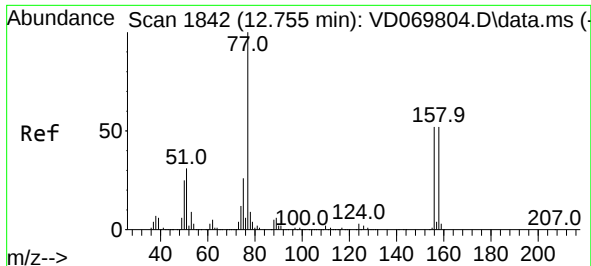


#76
 1,2,3-Trichloropropane
 Concen: 53.781 ug/l
 RT: 12.620 min Scan# 1819
 Delta R.T. -0.153 min
 Lab File: VD069936.D
 Acq: 30 Jul 2021 15:00



Tgt Ion: 75 Resp: 3622
 Ion Ratio Lower Upper
 75 100
 77 0.0 181.5 544.5#

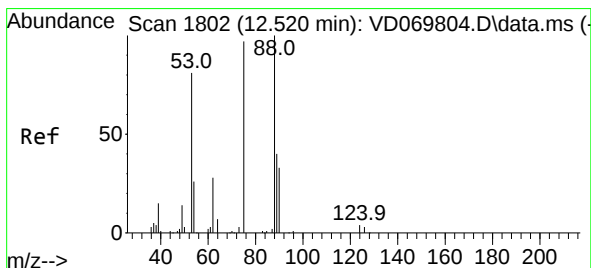
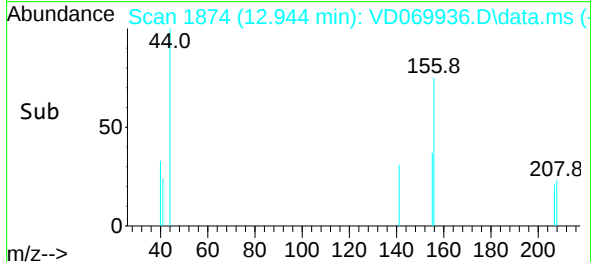
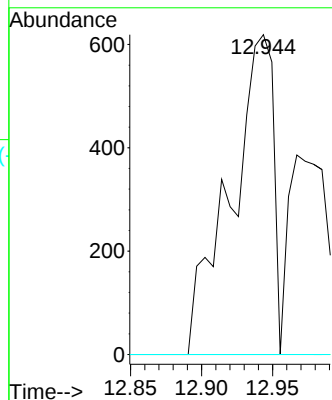
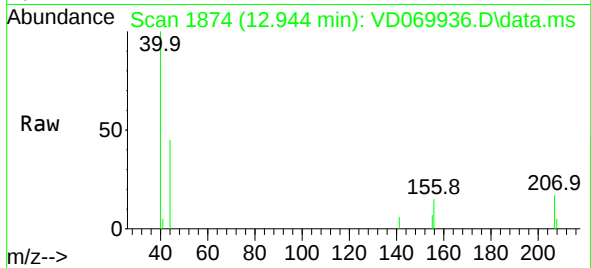




#77
Bromobenzene
Concen: 12.620 ug/l
RT: 12.944 min Scan# 1874
Delta R.T. 0.188 min
Lab File: VD069936.D
Acq: 30 Jul 2021 15:00

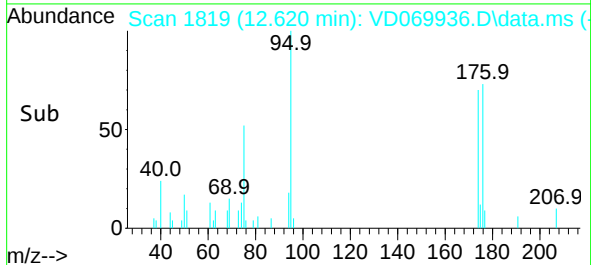
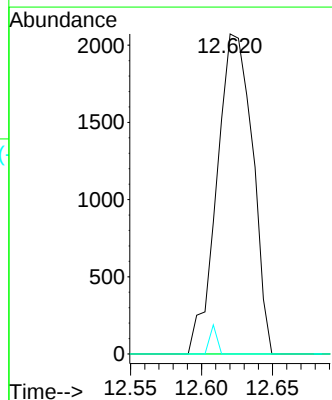
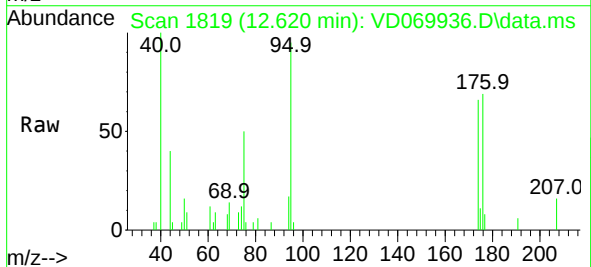
Instrument :
MSVOA_D
ClientSampled :
221

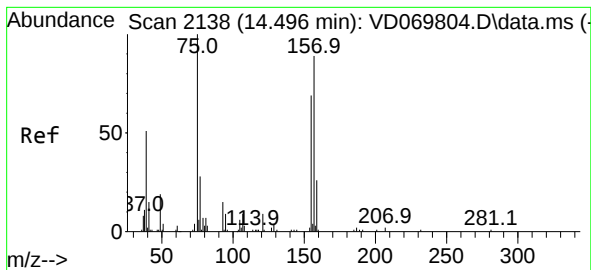
Tgt Ion:156 Resp: 1294
Ion Ratio Lower Upper
156 100
77 0.0 107.1 321.3#
158 0.0 48.1 144.3#



#81
trans-1,4-Dichloro-2-butene
Concen: 163.158 ug/l
RT: 12.620 min Scan# 1819
Delta R.T. 0.100 min
Lab File: VD069936.D
Acq: 30 Jul 2021 15:00

Tgt Ion: 75 Resp: 3622
Ion Ratio Lower Upper
75 100
53 0.0 67.2 100.8#
89 1.8 35.8 53.6#





#92
 1,2-Dibromo-3-Chloropropane
 Concen: 4.812 ug/l
 RT: 14.320 min Scan# 2108
 Delta R.T. -0.176 min
 Lab File: VD069936.D
 Acq: 30 Jul 2021 15:00

Instrument :
 MSVOA_D
 ClientSampleId :
 221

Tgt Ion: 75 Resp: 63
 Ion Ratio Lower Upper
 75 100
 155 101.6 36.3 108.9
 157 0.0 47.0 141.0#

