

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD072621\
 Data File : VD069858.D
 Acq On : 26 Jul 2021 20:11
 Operator : VA/SY
 Sample : M3089-14RE
 Misc : 5.94G/5.00ml/MSVOA_D/SOIL
 ALS Vial : 19 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :

Quant Time: Jul 27 05:14:06 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)

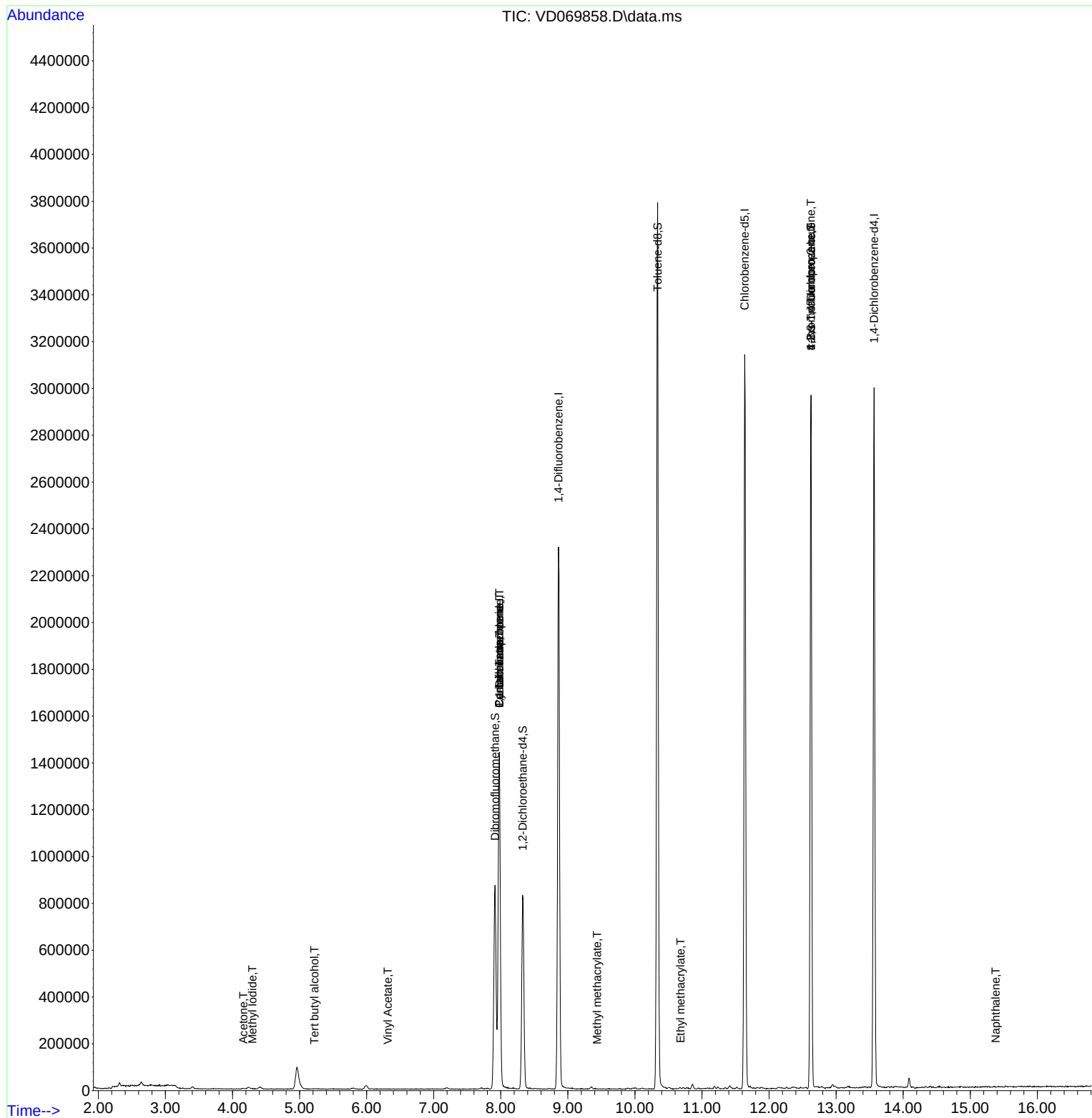
Internal Standards						
1) Pentafluorobenzene	7.979	168	1015166	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.861	114	1985686	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.638	117	1836378	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.567	152	780684	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.326	65	662298	56.726	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	= 113.460%	
35) Dibromofluoromethane	7.914	113	640928	51.202	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	= 102.400%	
50) Toluene-d8	10.338	98	2514799	52.101	ug/l	0.00
Spiked Amount	50.000	Range	49 - 140	Recovery	= 104.200%	
62) 4-Bromofluorobenzene	12.626	95	844525	52.353	ug/l	0.00
Spiked Amount	50.000	Range	25 - 144	Recovery	= 104.700%	
Target Compounds						
					Qvalue	
5) Bromomethane	2.779	94	2983	Below Cal		82
10) Methyl Iodide	4.297	142	1067	3.541 ug/l	#	76
11) Tert butyl alcohol	5.220	59	1706	2.824 ug/l	#	91
16) Acetone	4.162	43	4737	2.246 ug/l		99
20) Methylene Chloride	4.962	84	76108	Below Cal		98
23) Vinyl Acetate	6.314	43	63	20.352 ug/l	#	71
31) Cyclohexane	7.979	56	24239	1.063 ug/l	#	1
36) 1,1-Dichloropropene	7.979	75	91443	4.267 ug/l	#	50
38) Carbon Tetrachloride	7.979	117	106725	5.452 ug/l	#	19
48) Methyl methacrylate	9.438	41	90	2.758 ug/l	#	13
56) Ethyl methacrylate	10.679	69	542	3.932 ug/l	#	1
76) 1,2,3-Trichloropropane	12.626	75	420173	50.635 ug/l	#	1
81) trans-1,4-Dichloro-2-b...	12.626	75	420173	153.613 ug/l	#	16
95) Naphthalene	15.379	128	697	5.023 ug/l	#	69

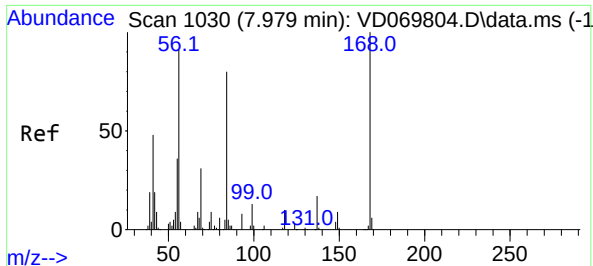
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Time: Jul 27 05:14:06 2021
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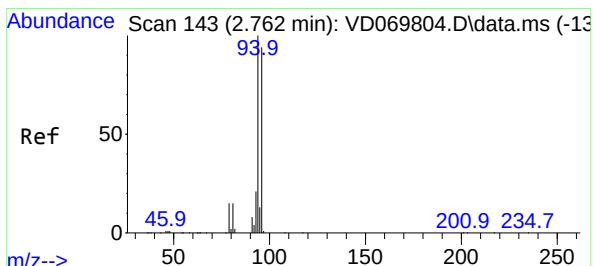
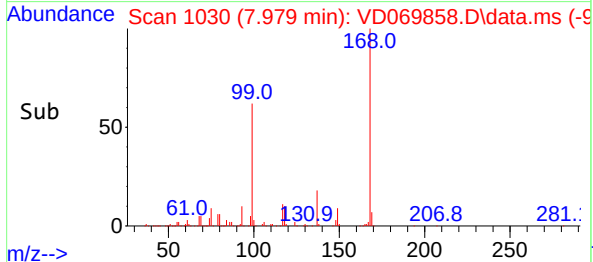
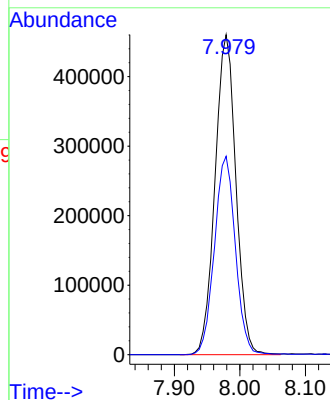
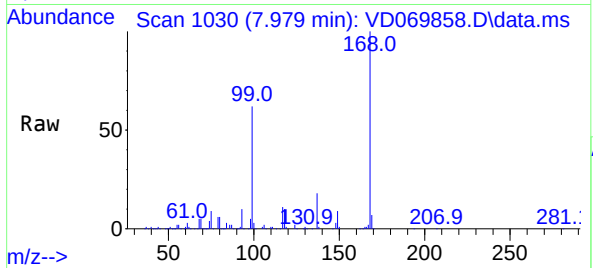




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.979 min Scan# 1030
Delta R.T. 0.000 min
Lab File: VD069858.D
Acq: 26 Jul 2021 20:11

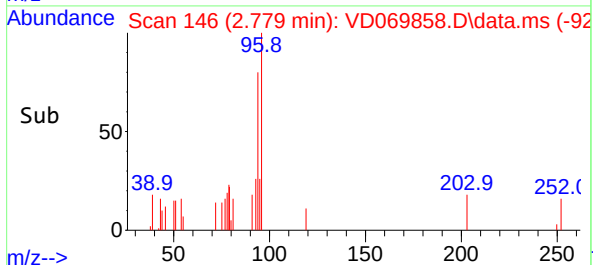
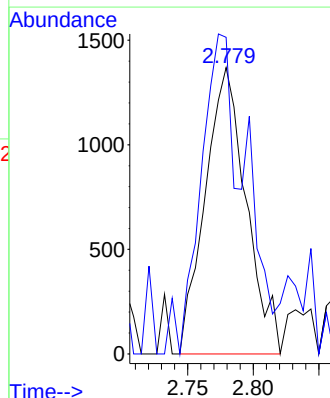
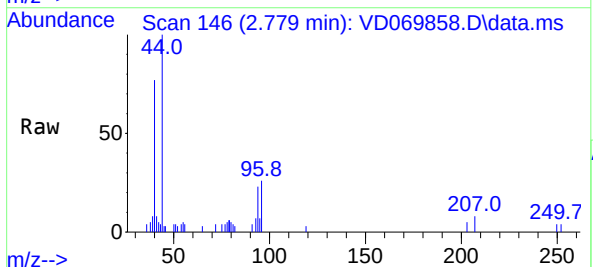
Instrument :
MSVOA_D
ClientSampleId :

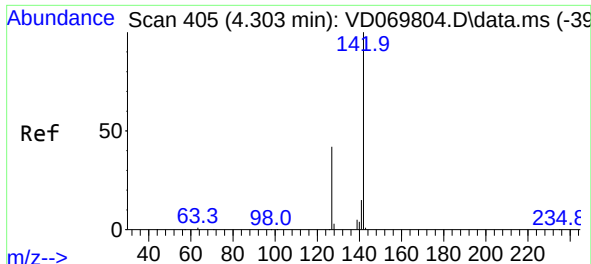
Tgt Ion:168 Resp: 1015166
Ion Ratio Lower Upper
168 100
99 62.0 51.1 76.7



#5
Bromomethane
Concen: Below Cal
RT: 2.779 min Scan# 146
Delta R.T. 0.017 min
Lab File: VD069858.D
Acq: 26 Jul 2021 20:11

Tgt Ion: 94 Resp: 2983
Ion Ratio Lower Upper
94 100
96 110.6 74.8 112.2

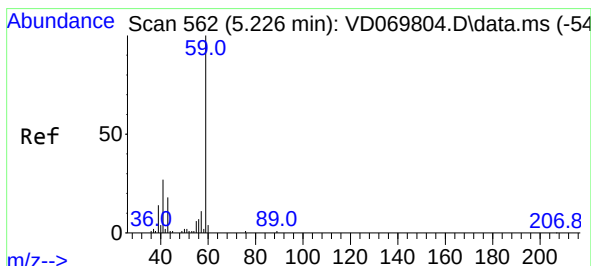
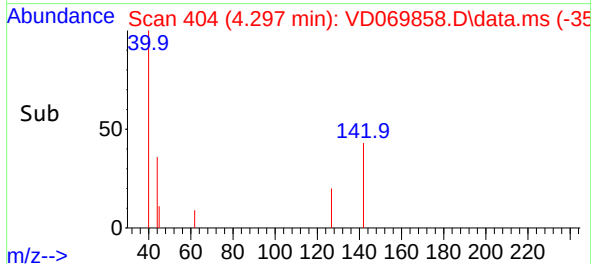
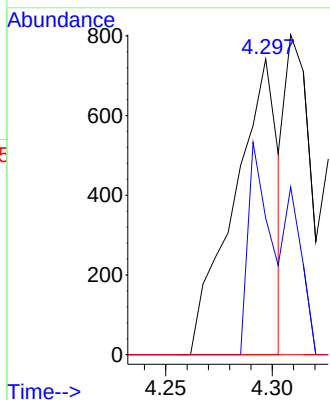
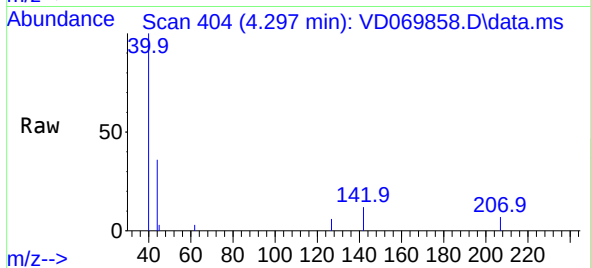




#10
Methyl Iodide
Concen: 3.541 ug/l
RT: 4.297 min Scan# 404
Delta R.T. -0.006 min
Lab File: VD069858.D
Acq: 26 Jul 2021 20:11

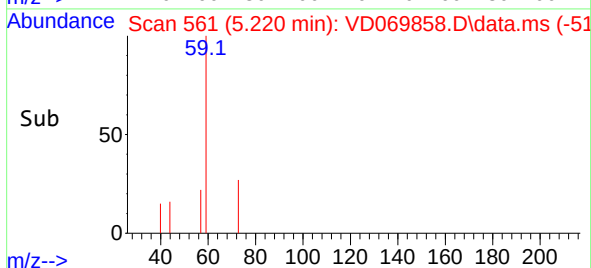
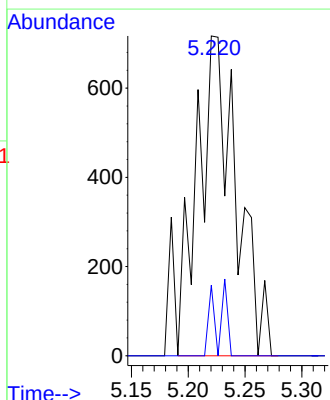
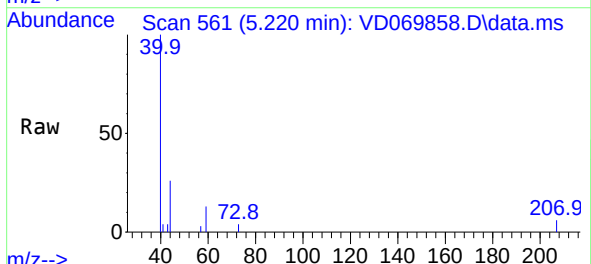
Instrument :
MSVOA_D
ClientSampleId :

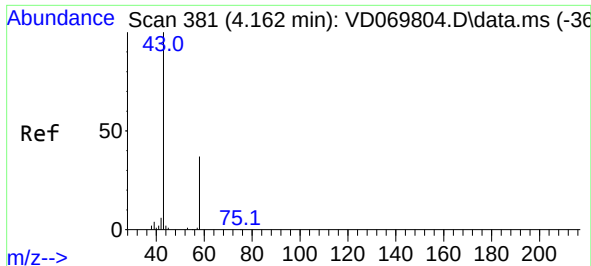
Tgt Ion:142 Resp: 1067
Ion Ratio Lower Upper
142 100
127 57.8 35.7 53.5#
141 0.0 12.0 18.0#



#11
Tert butyl alcohol
Concen: 2.824 ug/l
RT: 5.220 min Scan# 561
Delta R.T. -0.006 min
Lab File: VD069858.D
Acq: 26 Jul 2021 20:11

Tgt Ion: 59 Resp: 1706
Ion Ratio Lower Upper
59 100
57 6.8 8.1 12.1#

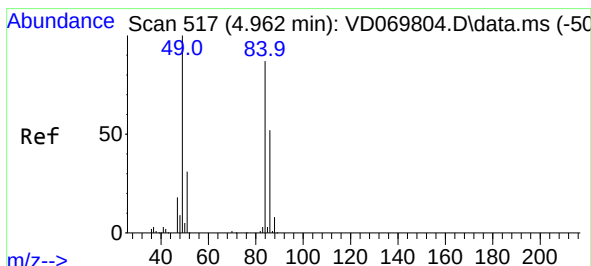
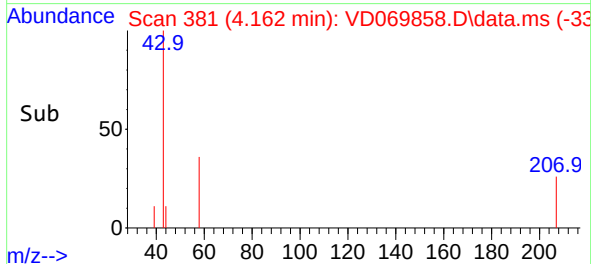
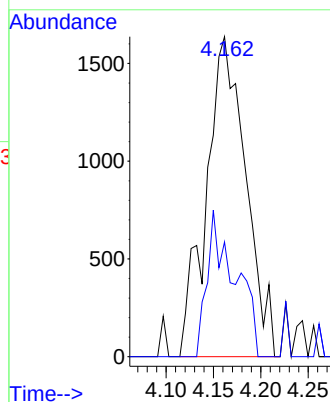
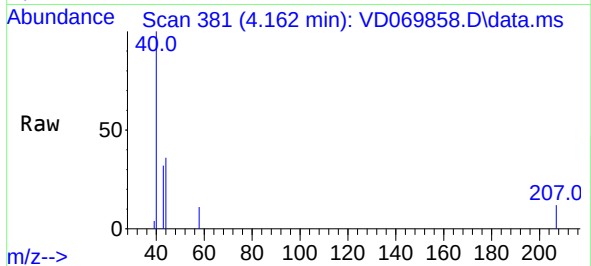




#16
Acetone
Concen: 2.246 ug/l
RT: 4.162 min Scan# 381
Delta R.T. -0.000 min
Lab File: VD069858.D
Acq: 26 Jul 2021 20:11

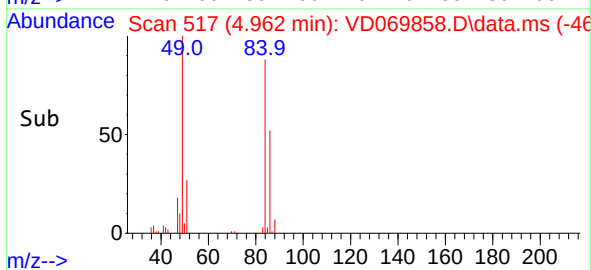
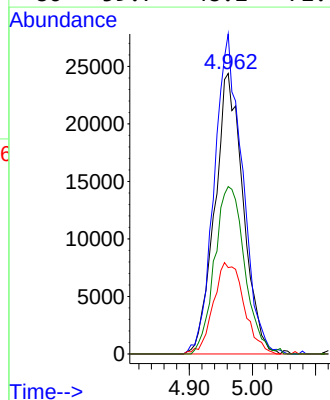
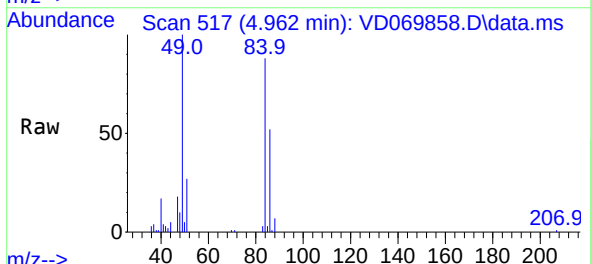
Instrument :
MSVOA_D
ClientSampled :

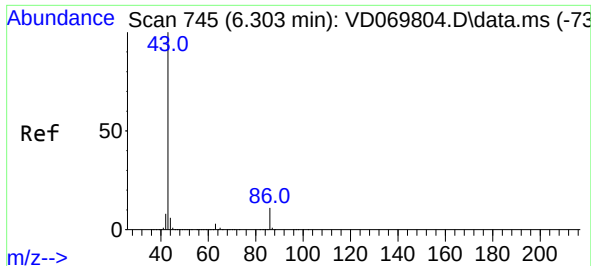
Tgt Ion: 43 Resp: 4737
Ion Ratio Lower Upper
43 100
58 35.9 29.4 44.0



#20
Methylene Chloride
Concen: Below Cal
RT: 4.962 min Scan# 517
Delta R.T. -0.000 min
Lab File: VD069858.D
Acq: 26 Jul 2021 20:11

Tgt Ion: 84 Resp: 76108
Ion Ratio Lower Upper
84 100
49 114.1 92.4 138.6
51 30.8 28.5 42.7
86 59.7 48.2 72.4

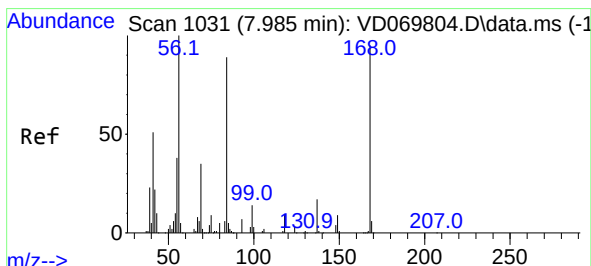
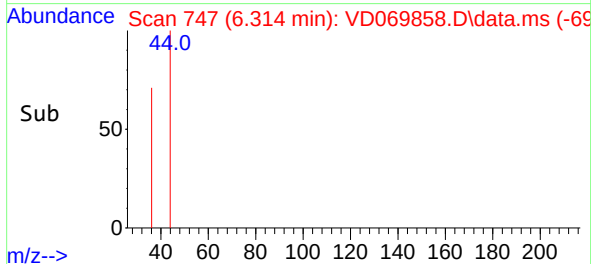
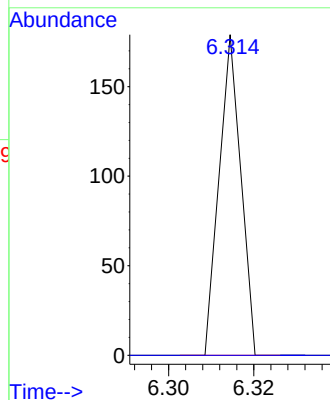
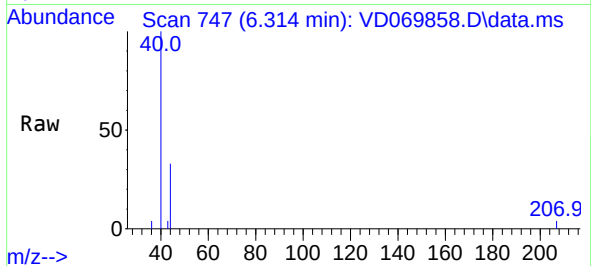




#23
 Vinyl Acetate
 Concen: 20.352 ug/l
 RT: 6.314 min Scan# 747
 Delta R.T. 0.011 min
 Lab File: VD069858.D
 Acq: 26 Jul 2021 20:11

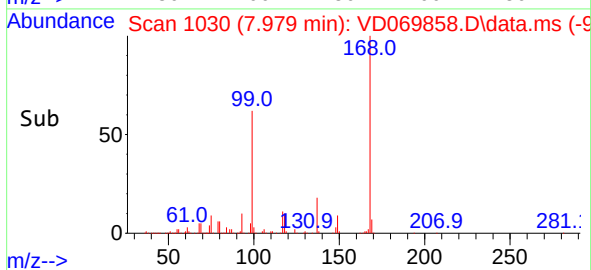
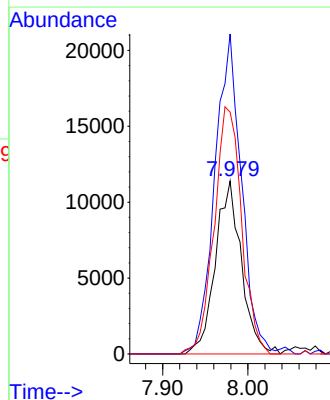
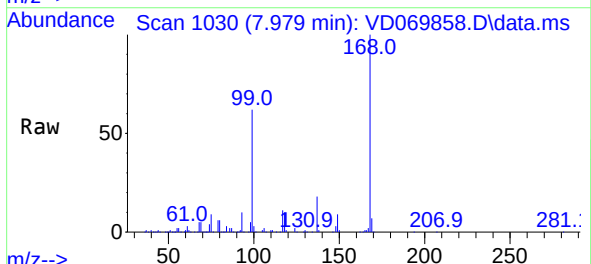
Instrument :
 MSVOA_D
 ClientSampled :

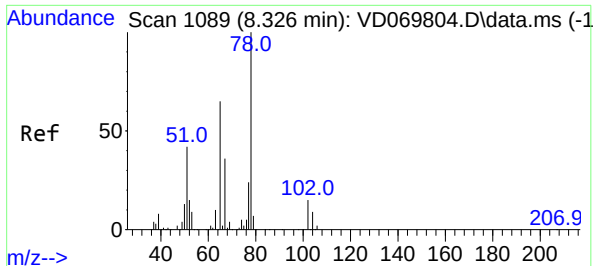
Tgt Ion: 43 Resp: 63
 Ion Ratio Lower Upper
 43 100
 86 0.0 8.6 13.0#



#31
 Cyclohexane
 Concen: 1.063 ug/l
 RT: 7.979 min Scan# 1030
 Delta R.T. -0.006 min
 Lab File: VD069858.D
 Acq: 26 Jul 2021 20:11

Tgt Ion: 56 Resp: 24239
 Ion Ratio Lower Upper
 56 100
 69 185.1 27.9 41.9#
 84 139.8 71.4 107.2#

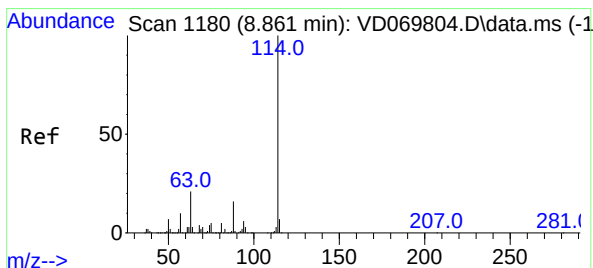
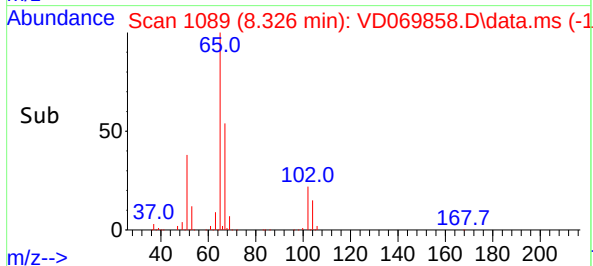
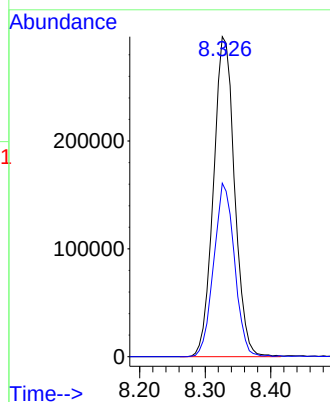
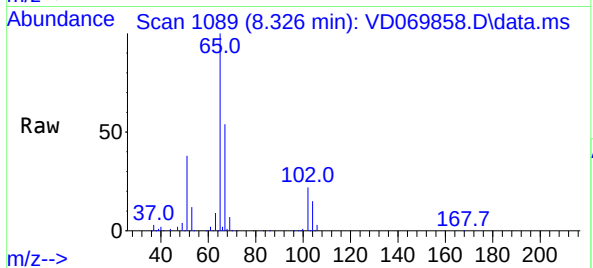




#33
1,2-Dichloroethane-d4
Concen: 56.726 ug/l
RT: 8.326 min Scan# 1089
Delta R.T. -0.000 min
Lab File: VD069858.D
Acq: 26 Jul 2021 20:11

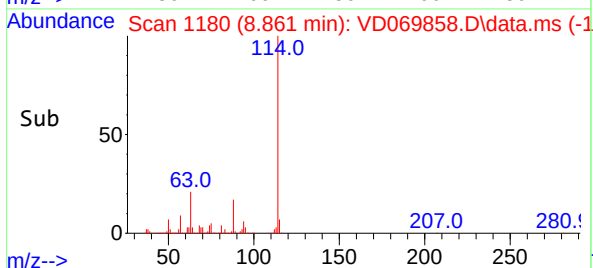
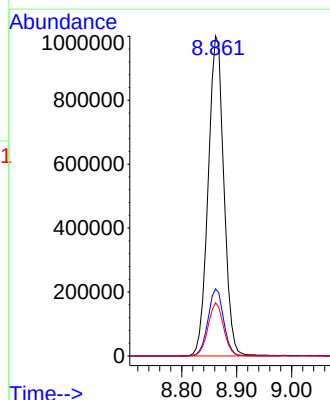
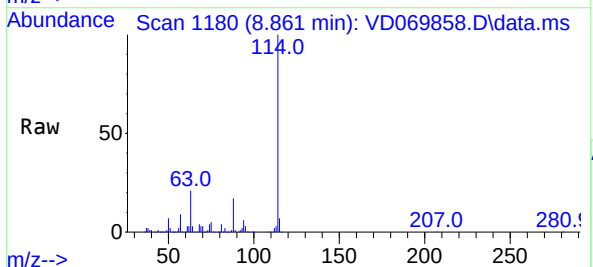
Instrument :
MSVOA_D
ClientSampleId :

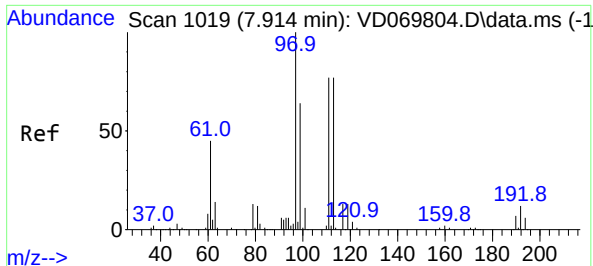
Tgt Ion: 65 Resp: 662298
Ion Ratio Lower Upper
65 100
67 53.3 0.0 111.2



#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.861 min Scan# 1180
Delta R.T. 0.000 min
Lab File: VD069858.D
Acq: 26 Jul 2021 20:11

Tgt Ion:114 Resp: 1985686
Ion Ratio Lower Upper
114 100
63 20.9 0.0 41.6
88 16.7 0.0 31.4



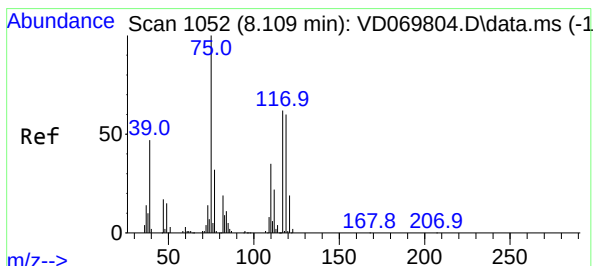
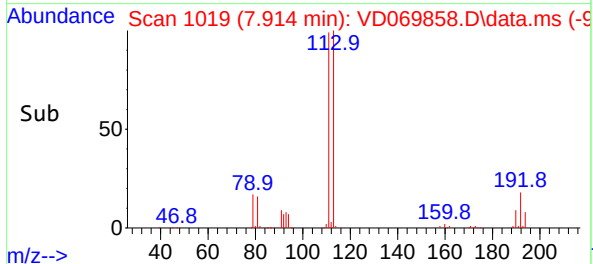
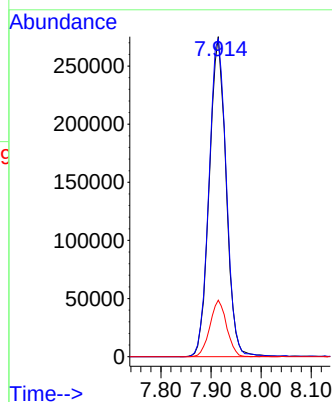
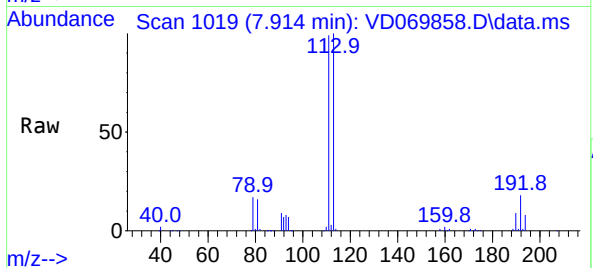


#35

Dibromofluoromethane
Concen: 51.202 ug/l
RT: 7.914 min Scan# 1019
Delta R.T. -0.000 min
Lab File: VD069858.D
Acq: 26 Jul 2021 20:11

Instrument :
MSVOA_D
ClientSampleId :

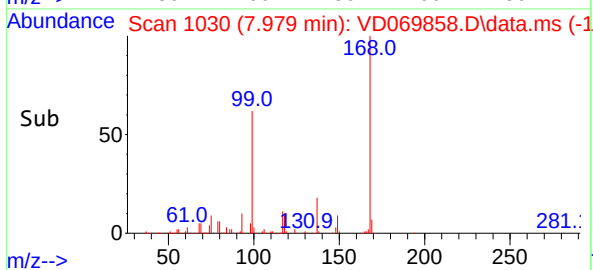
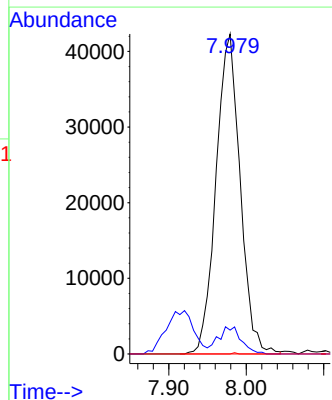
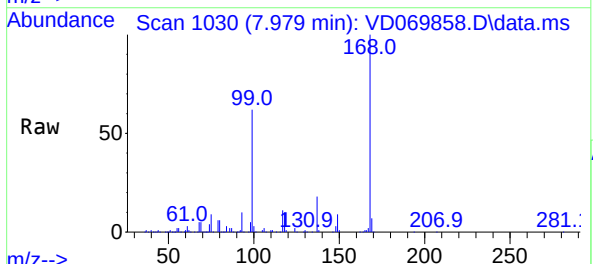
Tgt Ion:113 Resp: 640928
Ion Ratio Lower Upper
113 100
111 102.6 80.5 120.7
192 17.5 12.6 19.0

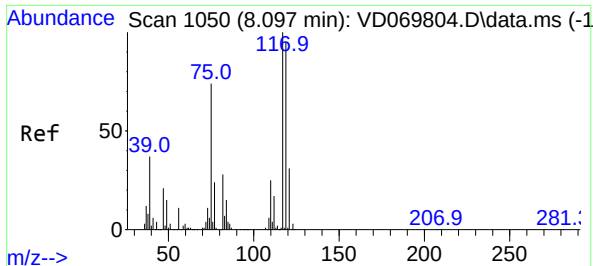


#36

1,1-Dichloropropene
Concen: 4.267 ug/l
RT: 7.979 min Scan# 1030
Delta R.T. -0.130 min
Lab File: VD069858.D
Acq: 26 Jul 2021 20:11

Tgt Ion: 75 Resp: 91443
Ion Ratio Lower Upper
75 100
110 8.1 16.9 50.7#
77 0.1 24.9 37.3#

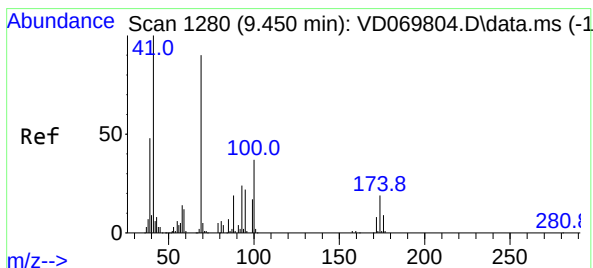
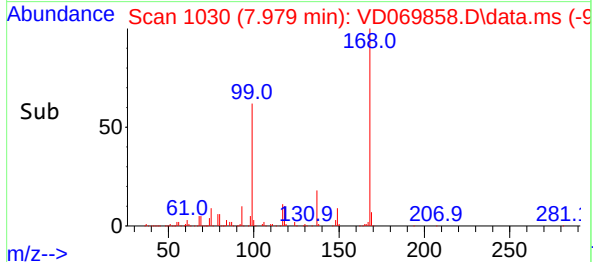
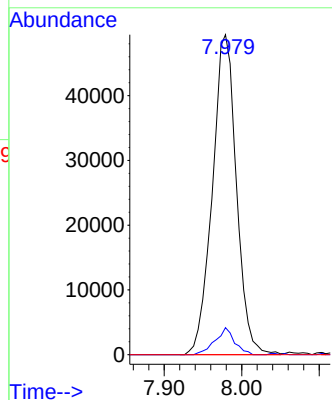
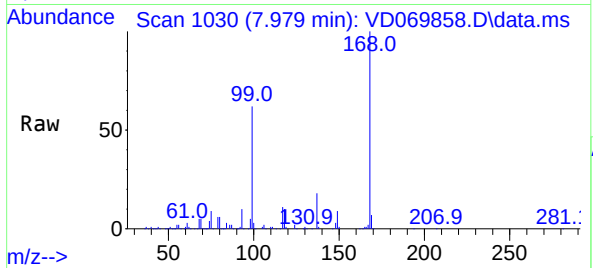




#38
Carbon Tetrachloride
Concen: 5.452 ug/l
RT: 7.979 min Scan# 1030
Delta R.T. -0.118 min
Lab File: VD069858.D
Acq: 26 Jul 2021 20:11

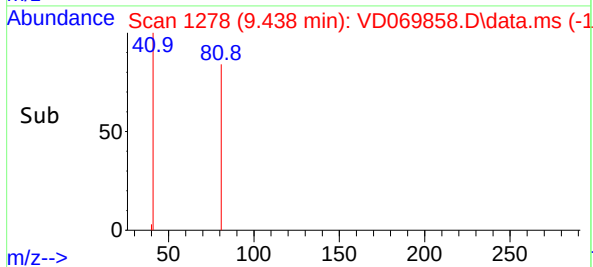
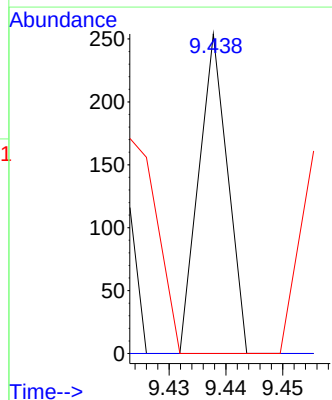
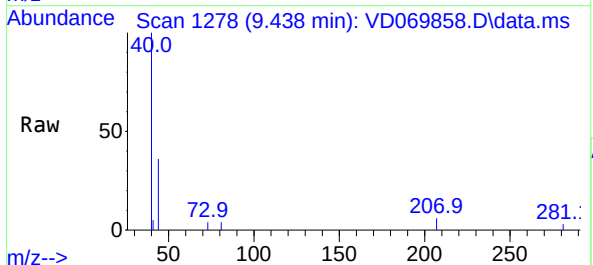
Instrument :
MSVOA_D
ClientSampled :

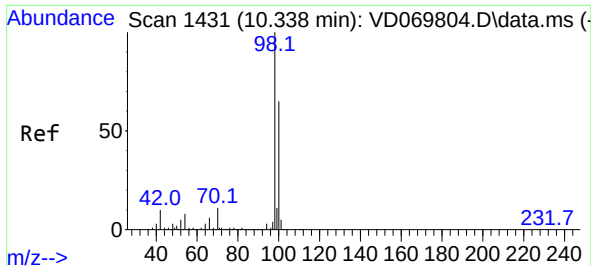
Tgt Ion:117 Resp: 106725
Ion Ratio Lower Upper
117 100
119 8.5 76.2 114.2#
121 0.0 24.5 36.7#



#48
Methyl methacrylate
Concen: 2.758 ug/l
RT: 9.438 min Scan# 1278
Delta R.T. -0.012 min
Lab File: VD069858.D
Acq: 26 Jul 2021 20:11

Tgt Ion: 41 Resp: 90
Ion Ratio Lower Upper
41 100
69 0.0 73.4 110.2#
39 0.0 36.6 55.0#

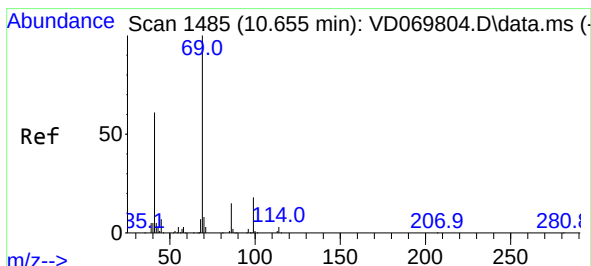
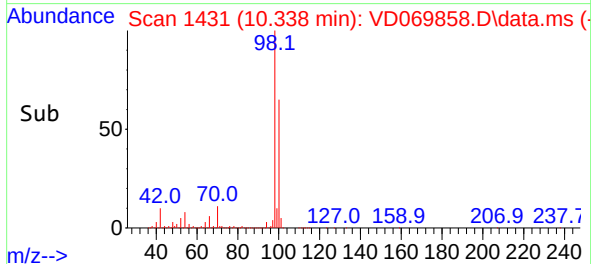
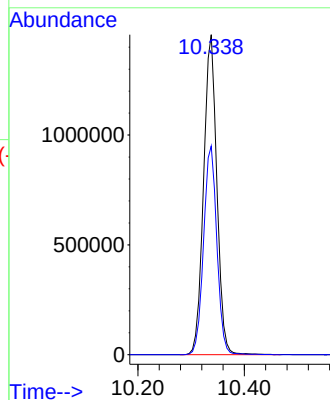
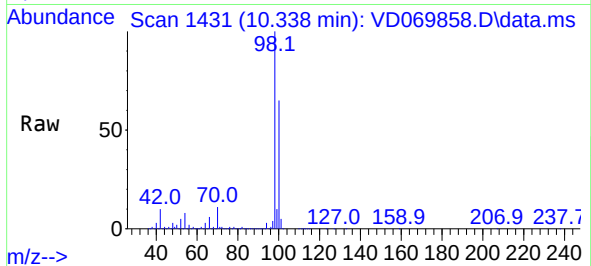




#50
Toluene-d8
Concen: 52.101 ug/l
RT: 10.338 min Scan# 1431
Delta R.T. -0.000 min
Lab File: VD069858.D
Acq: 26 Jul 2021 20:11

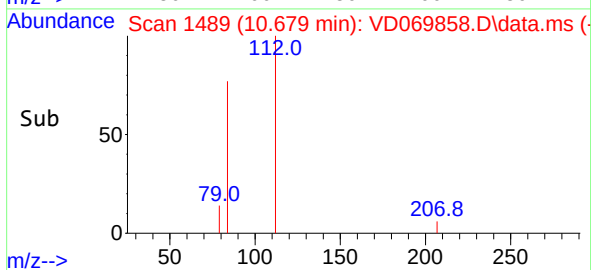
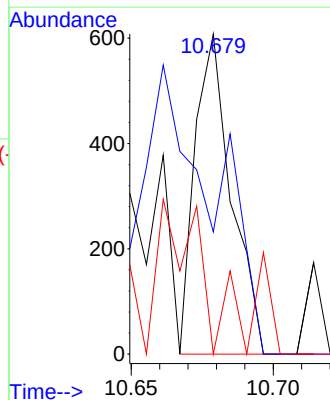
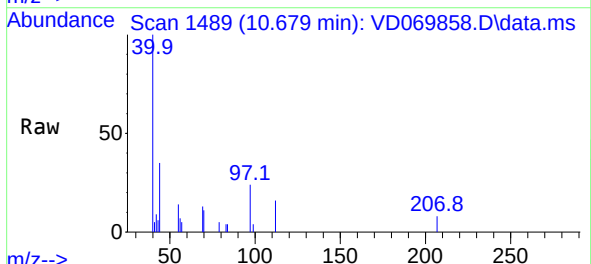
Instrument :
MSVOA_D
ClientSampled :

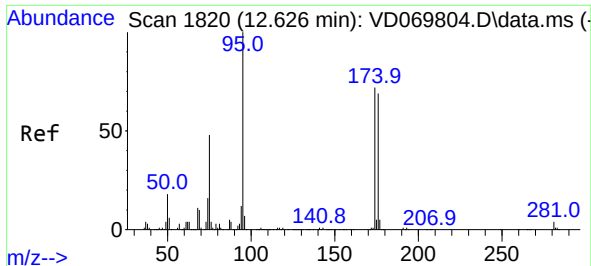
Tgt Ion: 98 Resp: 2514799
Ion Ratio Lower Upper
98 100
100 65.3 51.9 77.9



#56
Ethyl methacrylate
Concen: 3.932 ug/l
RT: 10.679 min Scan# 1489
Delta R.T. 0.024 min
Lab File: VD069858.D
Acq: 26 Jul 2021 20:11

Tgt Ion: 69 Resp: 542
Ion Ratio Lower Upper
69 100
41 189.1 50.2 75.2#
39 58.1 22.0 33.0#

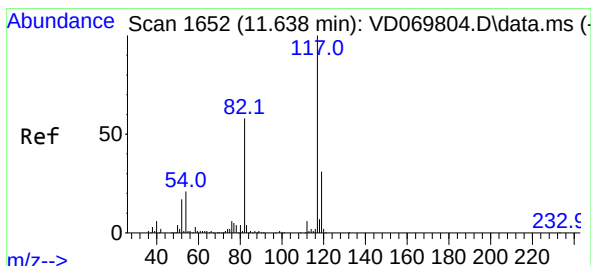
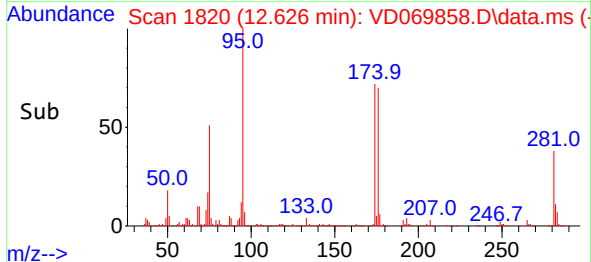
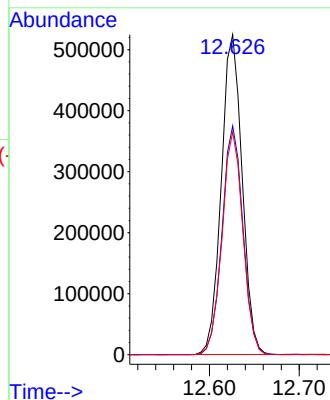
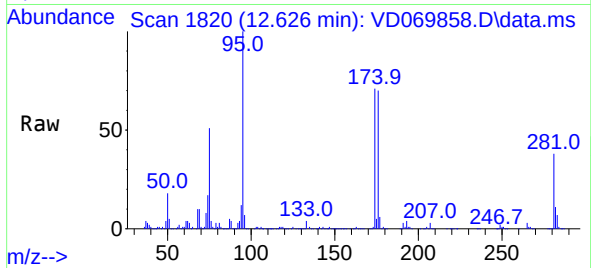




#62
4-Bromofluorobenzene
Concen: 52.353 ug/l
RT: 12.626 min Scan# 1820
Delta R.T. -0.000 min
Lab File: VD069858.D
Acq: 26 Jul 2021 20:11

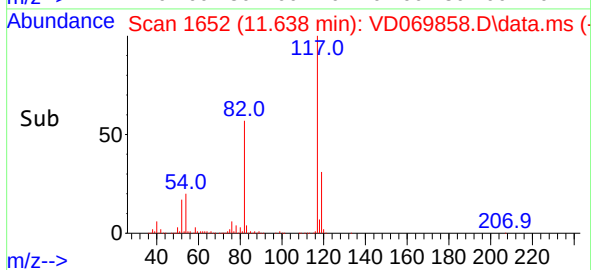
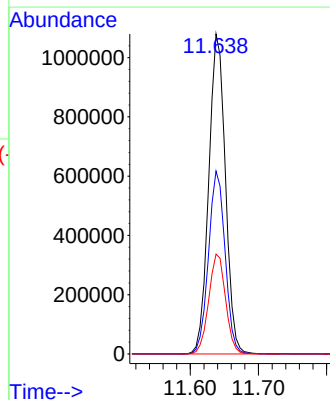
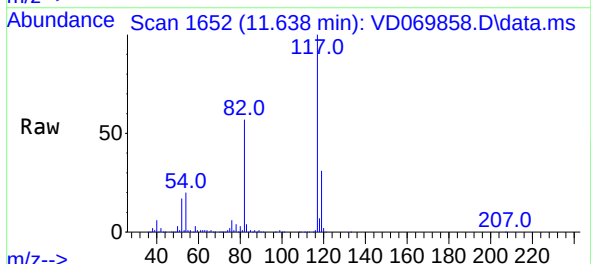
Instrument :
MSVOA_D
ClientSampleId :

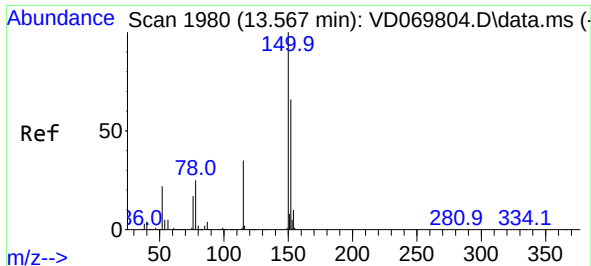
Tgt Ion: 95 Resp: 844525
Ion Ratio Lower Upper
95 100
174 71.8 0.0 142.6
176 69.5 0.0 134.2



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.638 min Scan# 1652
Delta R.T. -0.000 min
Lab File: VD069858.D
Acq: 26 Jul 2021 20:11

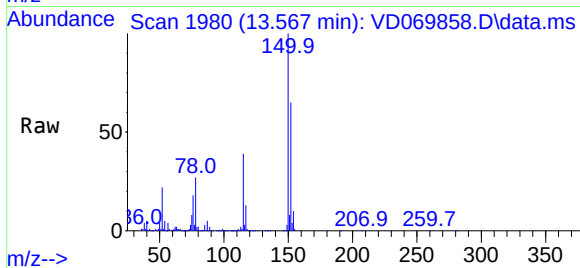
Tgt Ion: 117 Resp: 1836378
Ion Ratio Lower Upper
117 100
82 57.2 46.3 69.5
119 31.2 24.7 37.1



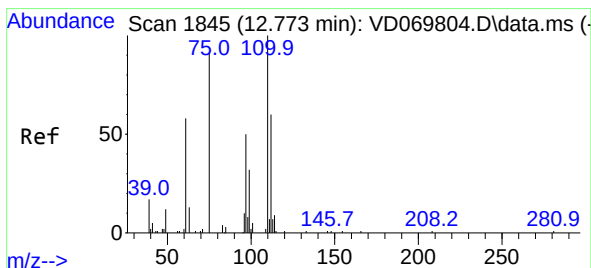
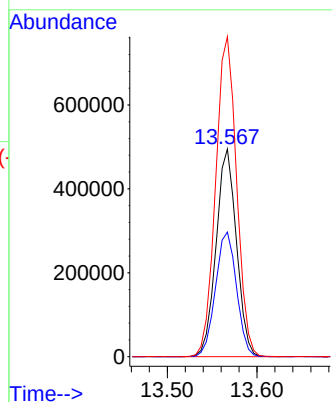
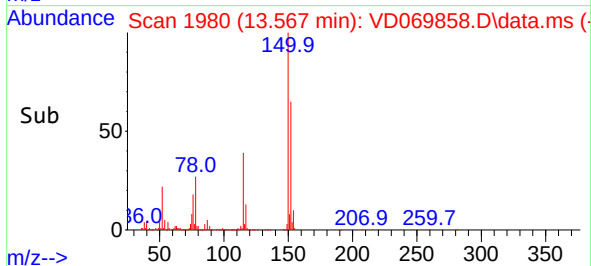


#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.567 min Scan# 1980
Delta R.T. -0.000 min
Lab File: VD069858.D
Acq: 26 Jul 2021 20:11

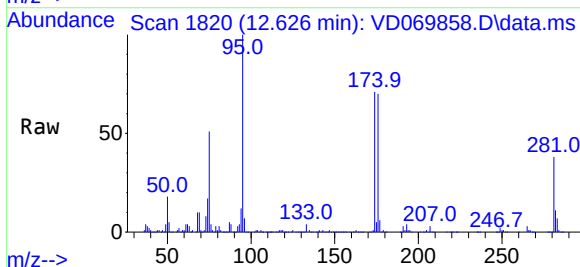
Instrument :
MSVOA_D
ClientSampleId :



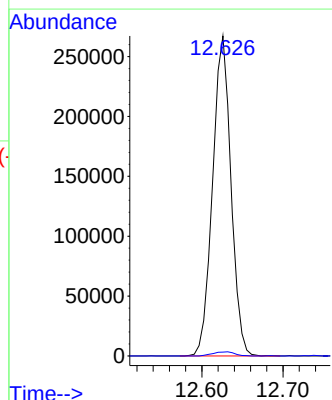
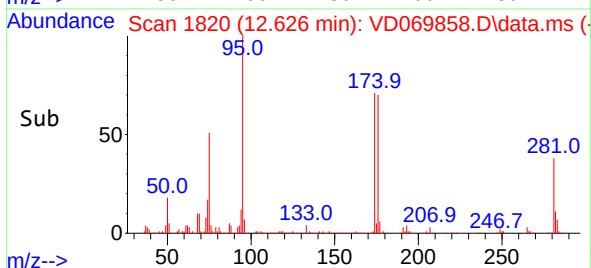
Tgt Ion:152 Resp: 780684
Ion Ratio Lower Upper
152 100
115 62.0 31.1 93.3
150 158.1 0.0 343.0

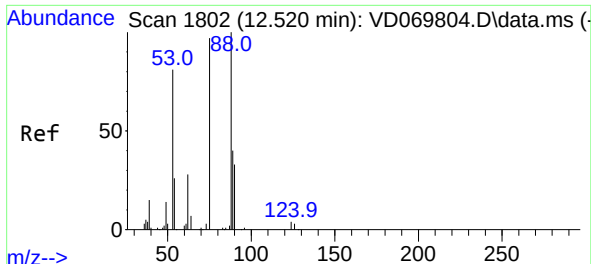


#76
1,2,3-Trichloropropane
Concen: 50.635 ug/l
RT: 12.626 min Scan# 1820
Delta R.T. -0.147 min
Lab File: VD069858.D
Acq: 26 Jul 2021 20:11



Tgt Ion: 75 Resp: 420173
Ion Ratio Lower Upper
75 100
77 1.5 181.5 544.5#

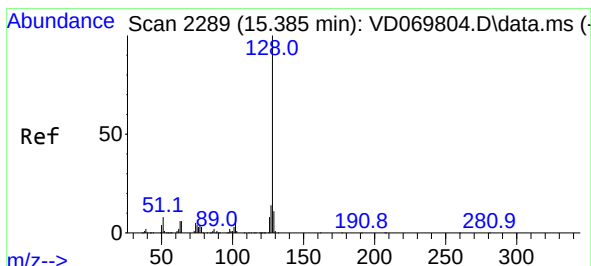
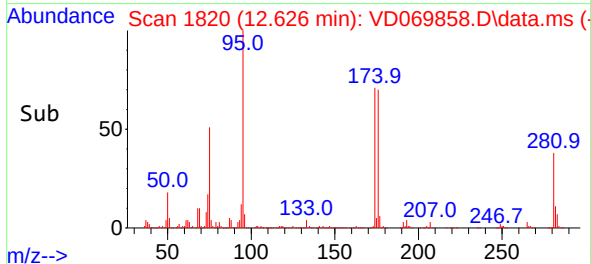
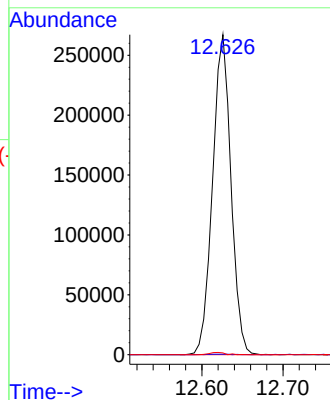
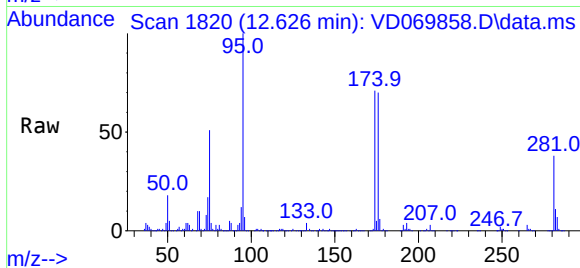




#81
trans-1,4-Dichloro-2-butene
Concen: 153.613 ug/l
RT: 12.626 min Scan# 1820
Delta R.T. 0.106 min
Lab File: VD069858.D
Acq: 26 Jul 2021 20:11

Instrument :
MSVOA_D
ClientSampleId :

Tgt Ion: 75 Resp: 420173
Ion Ratio Lower Upper
75 100
53 0.2 67.2 100.8#
89 0.6 35.8 53.6#



#95
Naphthalene
Concen: 5.023 ug/l
RT: 15.379 min Scan# 2288
Delta R.T. -0.006 min
Lab File: VD069858.D
Acq: 26 Jul 2021 20:11

Tgt Ion:128 Resp: 697
Ion Ratio Lower Upper
128 100
127 0.0 10.6 16.0#
129 0.0 8.6 12.8#

