

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD072621\
 Data File : VD069853.D
 Acq On : 26 Jul 2021 17:48
 Operator : VA/SY
 Sample : M3076-01RE
 Misc : 5.04G/5.00ml/MSVOA_D/SOIL
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :

Quant Time: Jul 27 05:12:33 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)

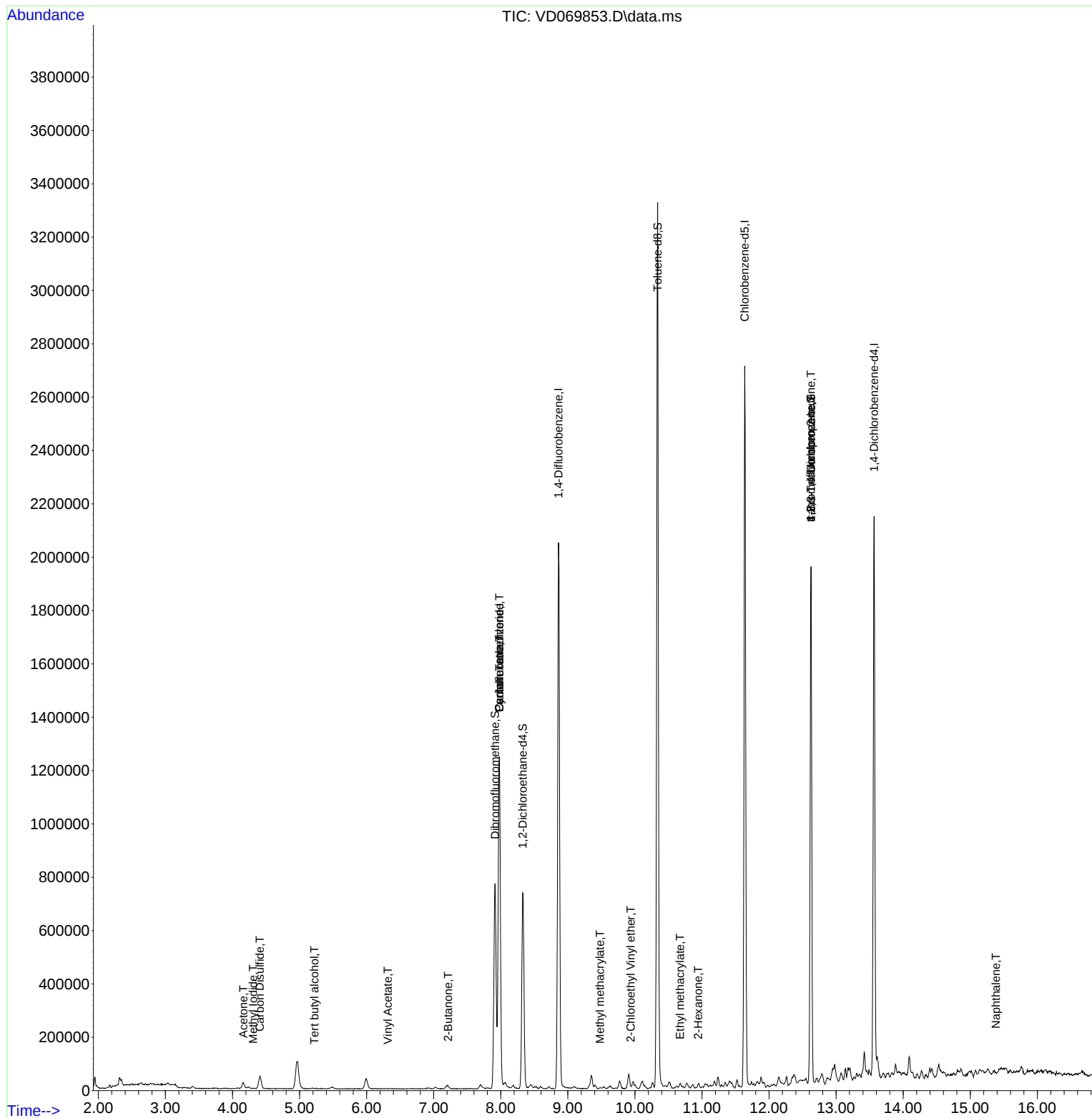
Internal Standards						
1) Pentafluorobenzene	7.979	168	905415	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.861	114	1754409	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.638	117	1549954	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.567	152	569146	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.326	65	597116	57.343	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 114.680%			
35) Dibromofluoromethane	7.914	113	565302	51.113	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery = 102.220%			
50) Toluene-d8	10.338	98	2208664	51.791	ug/l	0.00
Spiked Amount 50.000	Range 49 - 140		Recovery = 103.580%			
62) 4-Bromofluorobenzene	12.626	95	667150	46.810	ug/l	0.00
Spiked Amount 50.000	Range 25 - 144		Recovery = 93.620%			
Target Compounds						
					Qvalue	
5) Bromomethane	2.779	94	4019	Below Cal	#	79
10) Methyl Iodide	4.309	142	2696	3.685	ug/l #	74
11) Tert butyl alcohol	5.220	59	1120	2.079	ug/l #	73
16) Acetone	4.161	43	35342	18.788	ug/l #	83
17) Carbon Disulfide	4.409	76	98097	2.648	ug/l	98
23) Vinyl Acetate	6.314	43	119	20.355	ug/l #	71
25) 2-Butanone	7.214	43	5504	2.158	ug/l	99
31) Cyclohexane	7.979	56	26278	1.292	ug/l #	6
38) Carbon Tetrachloride	7.979	117	97257	5.624	ug/l #	18
48) Methyl methacrylate	9.479	41	844	2.868	ug/l #	41
56) Ethyl methacrylate	10.673	69	2928	4.114	ug/l #	32
58) 2-Chloroethyl Vinyl ether	9.938	63	59	20.880	ug/l #	48
59) 2-Hexanone	10.943	43	7609	1.788	ug/l #	23
76) 1,2,3-Trichloropropane	12.626	75	323527	53.479	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.626	75	323527	162.241	ug/l #	16
95) Naphthalene	15.384	128	5901	5.284	ug/l #	82

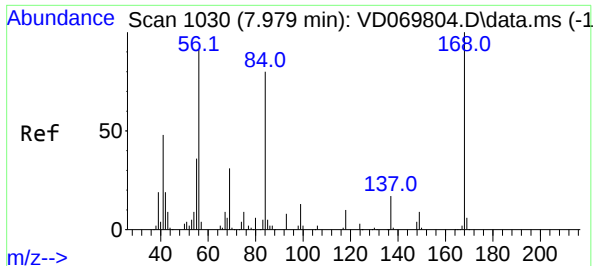
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Time: Jul 27 05:12:33 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

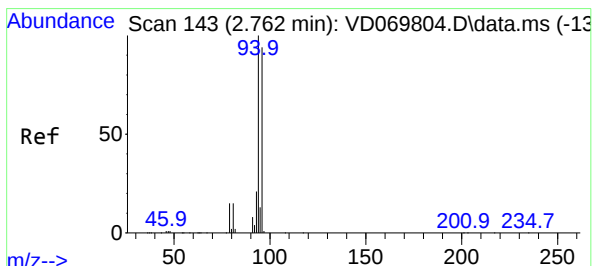
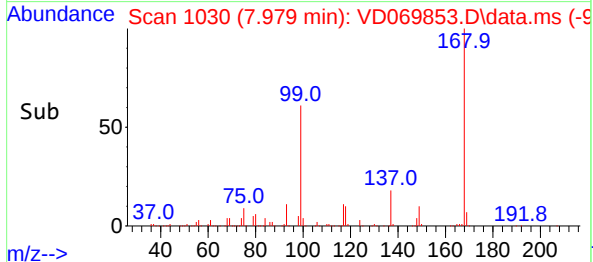
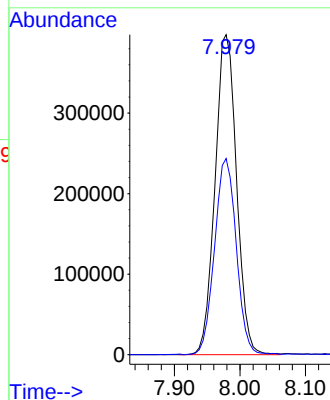
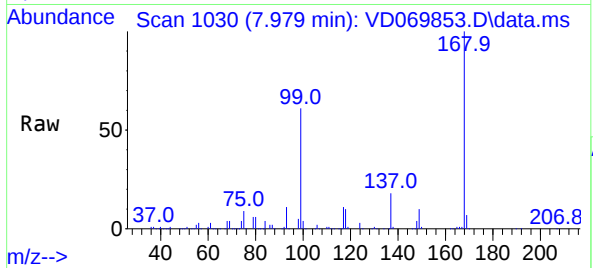




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.979 min Scan# 1030
Delta R.T. -0.000 min
Lab File: VD069853.D
Acq: 26 Jul 2021 17:48

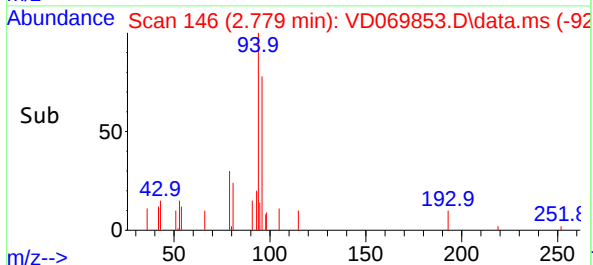
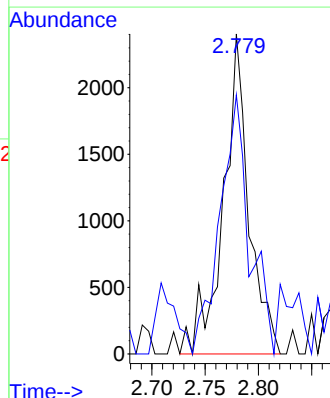
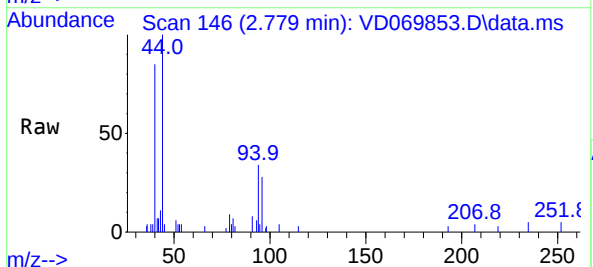
Instrument :
MSVOA_D
ClientSampled :

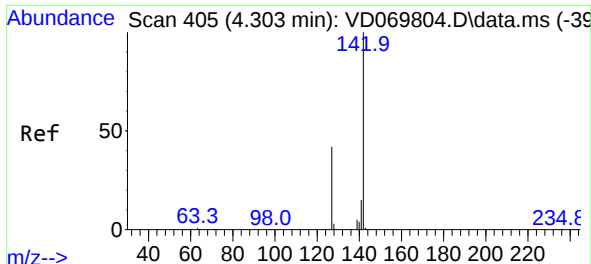
Tgt Ion:168 Resp: 905415
Ion Ratio Lower Upper
168 100
99 61.1 51.1 76.7



#5
Bromomethane
Concen: Below Cal
RT: 2.779 min Scan# 146
Delta R.T. 0.017 min
Lab File: VD069853.D
Acq: 26 Jul 2021 17:48

Tgt Ion: 94 Resp: 4019
Ion Ratio Lower Upper
94 100
96 73.1 74.8 112.2#

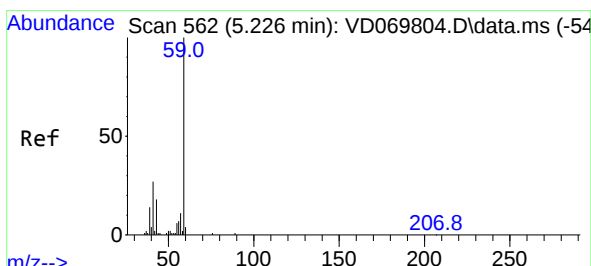
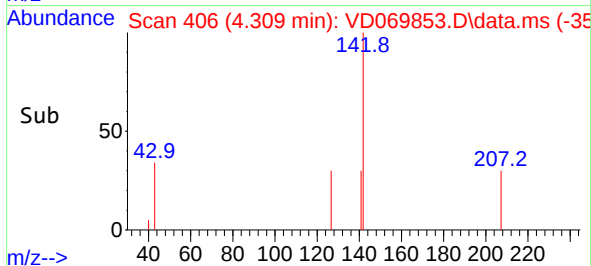
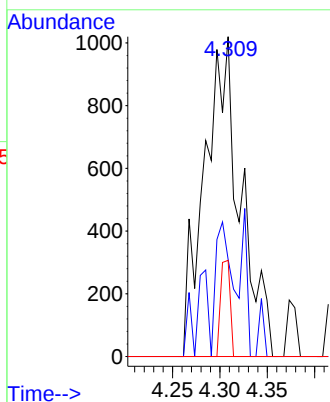
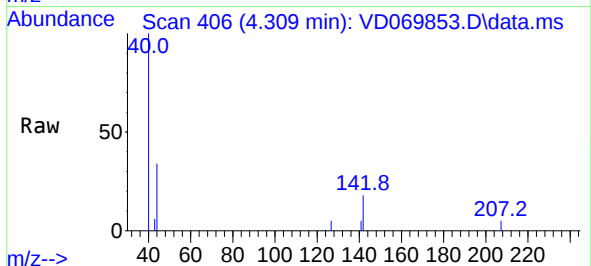




#10
Methyl Iodide
Concen: 3.685 ug/l
RT: 4.309 min Scan# 406
Delta R.T. 0.006 min
Lab File: VD069853.D
Acq: 26 Jul 2021 17:48

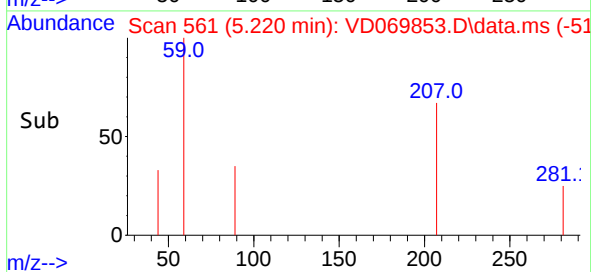
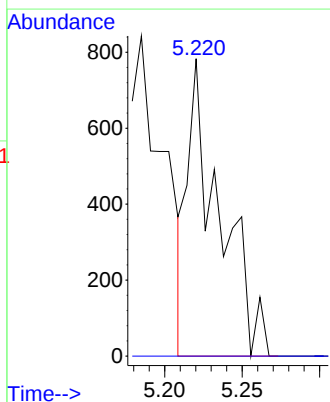
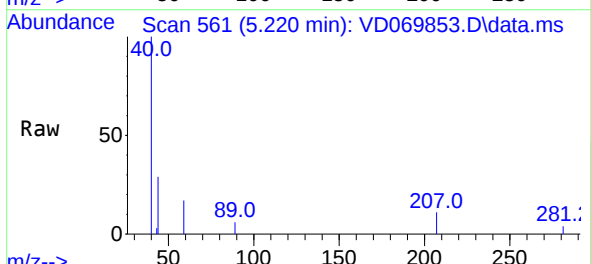
Instrument :
MSVOA_D
ClientSampleId :

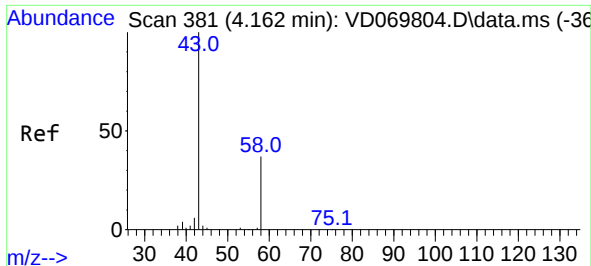
Tgt Ion:142 Resp: 2696
Ion Ratio Lower Upper
142 100
127 26.0 35.7 53.5#
141 7.9 12.0 18.0#



#11
Tert butyl alcohol
Concen: 2.079 ug/l
RT: 5.220 min Scan# 561
Delta R.T. -0.006 min
Lab File: VD069853.D
Acq: 26 Jul 2021 17:48

Tgt Ion: 59 Resp: 1120
Ion Ratio Lower Upper
59 100
57 0.0 8.1 12.1#

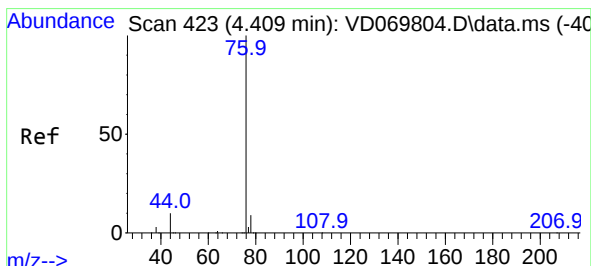
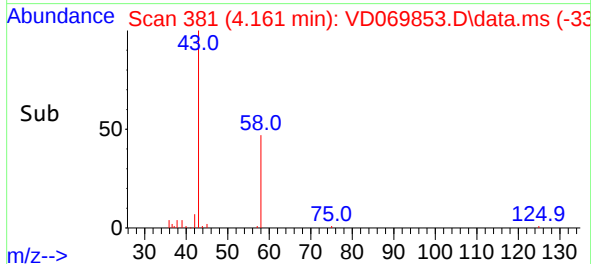
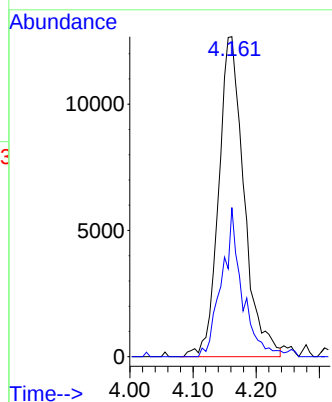
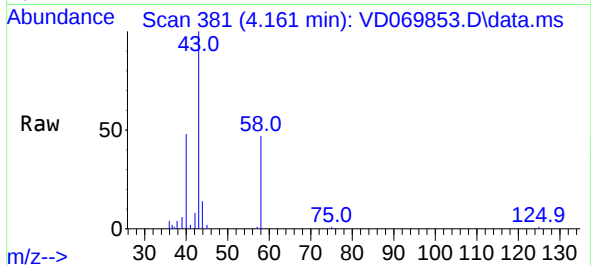




#16
Acetone
Concen: 18.788 ug/l
RT: 4.161 min Scan# 381
Delta R.T. -0.000 min
Lab File: VD069853.D
Acq: 26 Jul 2021 17:48

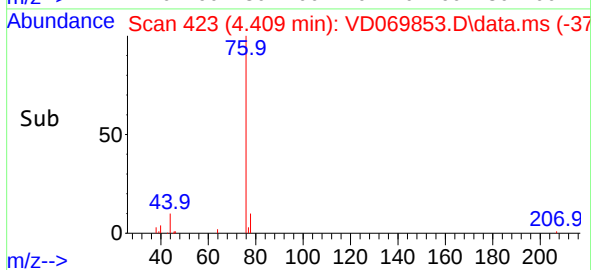
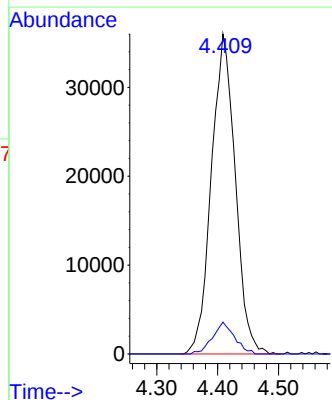
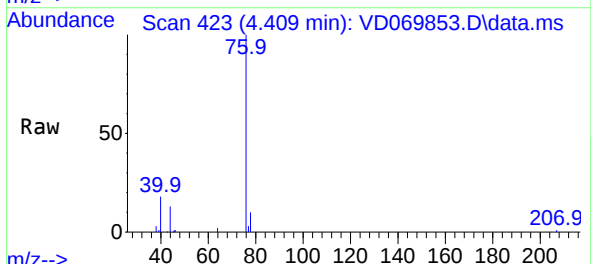
Instrument :
MSVOA_D
ClientSampled :

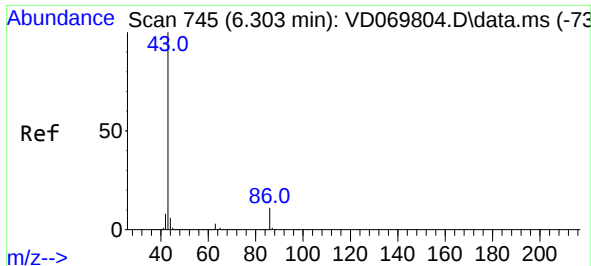
Tgt Ion: 43 Resp: 35342
Ion Ratio Lower Upper
43 100
58 46.6 29.4 44.0#



#17
Carbon Disulfide
Concen: 2.648 ug/l
RT: 4.409 min Scan# 423
Delta R.T. -0.000 min
Lab File: VD069853.D
Acq: 26 Jul 2021 17:48

Tgt Ion: 76 Resp: 98097
Ion Ratio Lower Upper
76 100
78 9.9 7.3 10.9

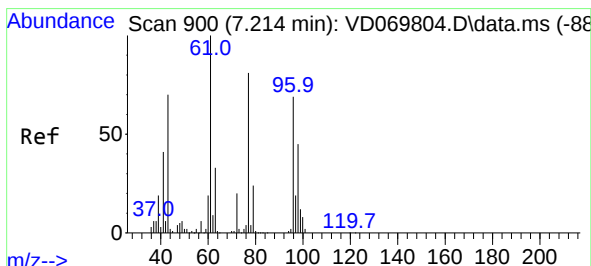
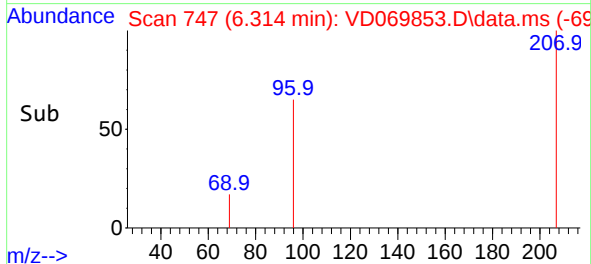
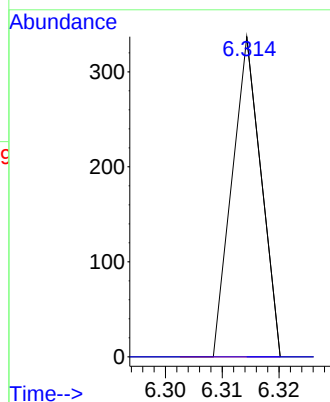
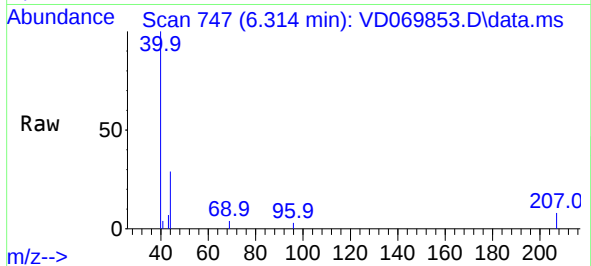




#23
 Vinyl Acetate
 Concen: 20.355 ug/l
 RT: 6.314 min Scan# 747
 Delta R.T. 0.011 min
 Lab File: VD069853.D
 Acq: 26 Jul 2021 17:48

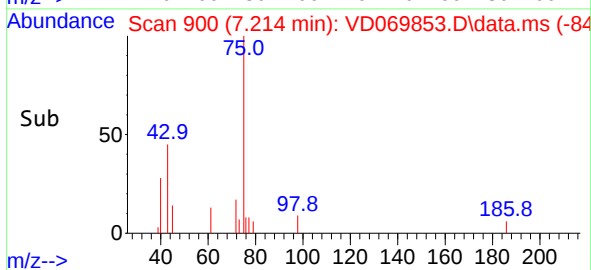
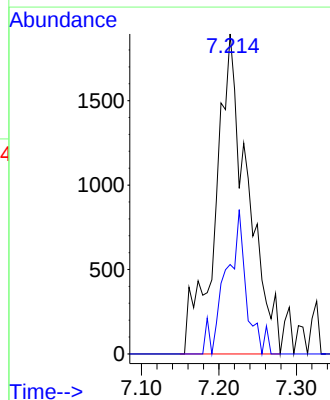
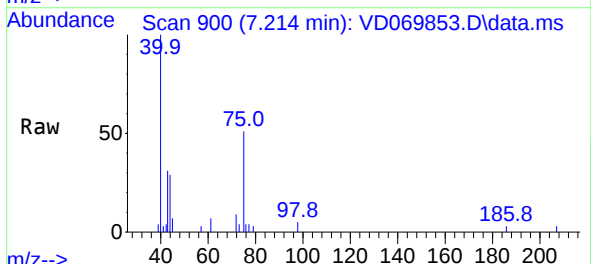
Instrument :
 MSVOA_D
 ClientSampled :

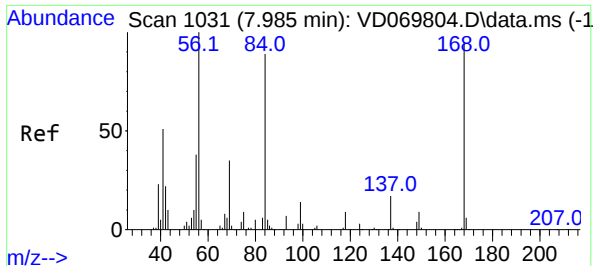
Tgt Ion: 43 Resp: 119
 Ion Ratio Lower Upper
 43 100
 86 0.0 8.6 13.0#



#25
 2-Butanone
 Concen: 2.158 ug/l
 RT: 7.214 min Scan# 900
 Delta R.T. -0.000 min
 Lab File: VD069853.D
 Acq: 26 Jul 2021 17:48

Tgt Ion: 43 Resp: 5504
 Ion Ratio Lower Upper
 43 100
 72 28.0 22.8 34.2

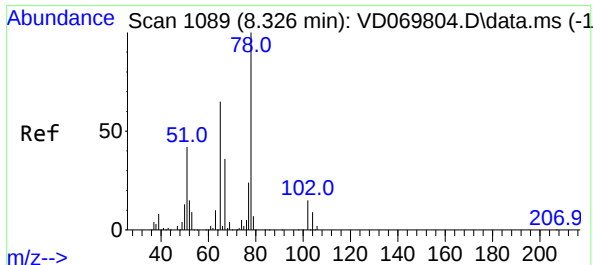
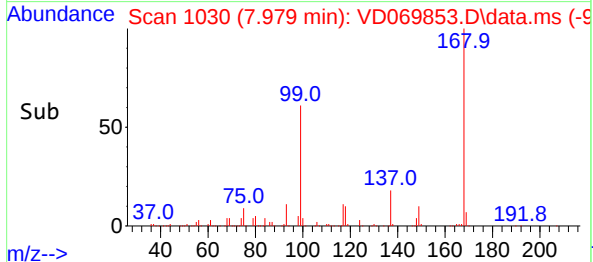
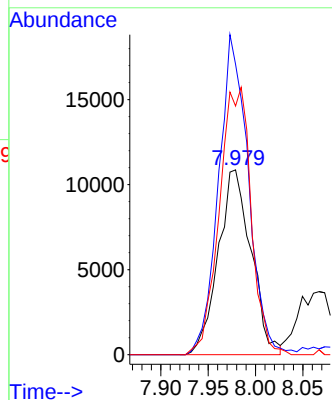
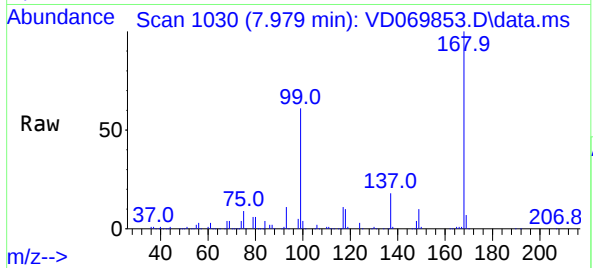




#31
Cyclohexane
Concen: 1.292 ug/l
RT: 7.979 min Scan# 1030
Delta R.T. -0.006 min
Lab File: VD069853.D
Acq: 26 Jul 2021 17:48

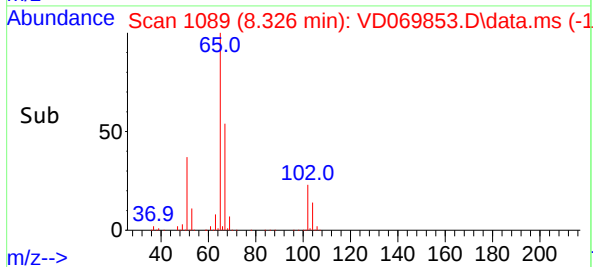
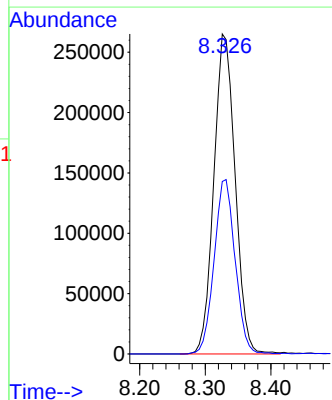
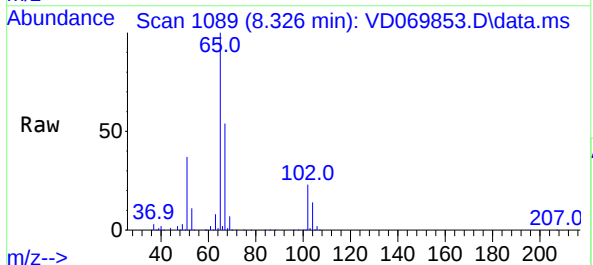
Instrument :
MSVOA_D
ClientSampleId :

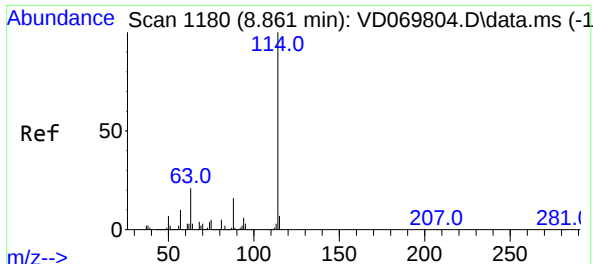
Tgt Ion: 56 Resp: 26278
Ion Ratio Lower Upper
56 100
69 157.1 27.9 41.9#
84 134.5 71.4 107.2#



#33
1,2-Dichloroethane-d4
Concen: 57.343 ug/l
RT: 8.326 min Scan# 1089
Delta R.T. -0.000 min
Lab File: VD069853.D
Acq: 26 Jul 2021 17:48

Tgt Ion: 65 Resp: 597116
Ion Ratio Lower Upper
65 100
67 53.8 0.0 111.2



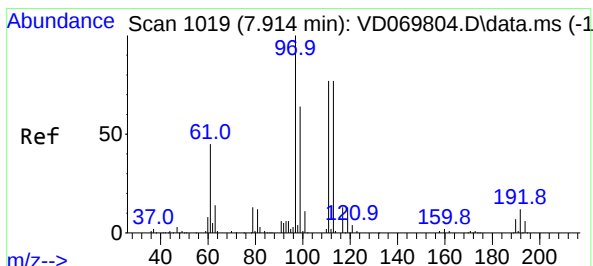
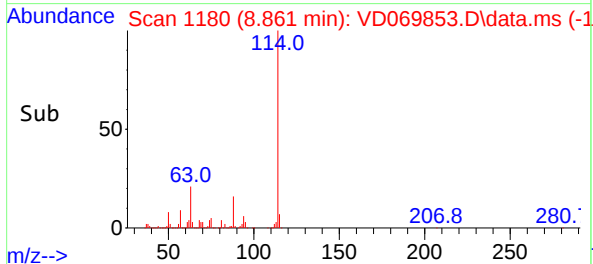
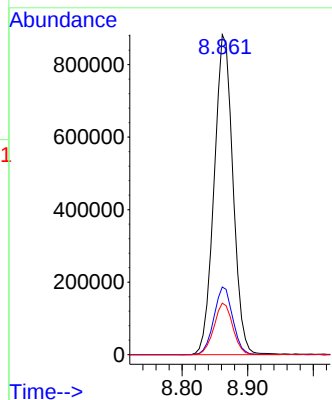
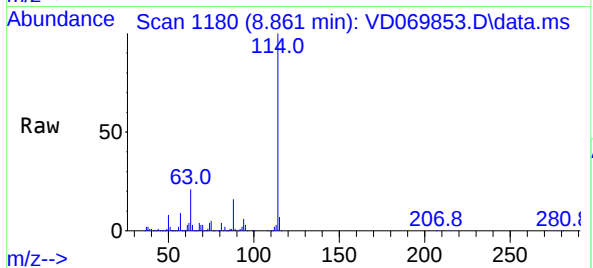


#34

1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.861 min Scan# 1180
Delta R.T. 0.000 min
Lab File: VD069853.D
Acq: 26 Jul 2021 17:48

Instrument :
MSVOA_D
ClientSampled :

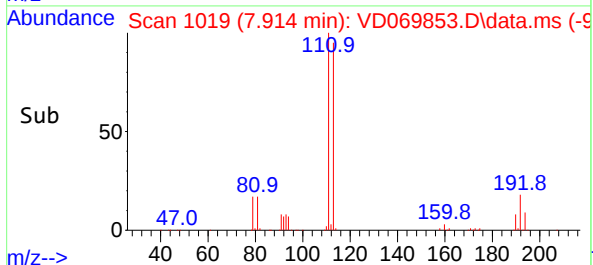
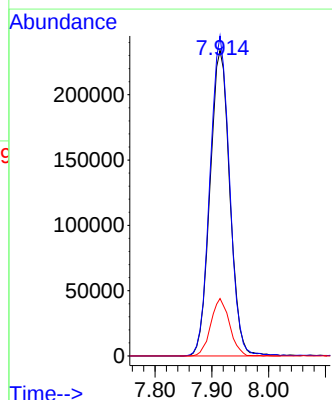
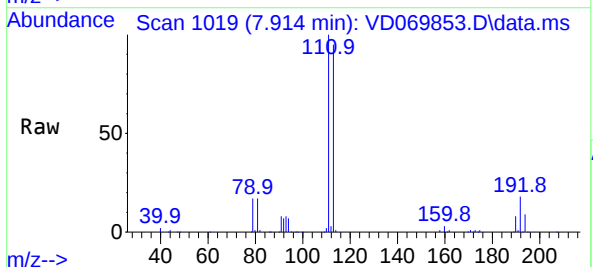
Tgt Ion:114 Resp: 1754409
Ion Ratio Lower Upper
114 100
63 21.1 0.0 41.6
88 16.1 0.0 31.4

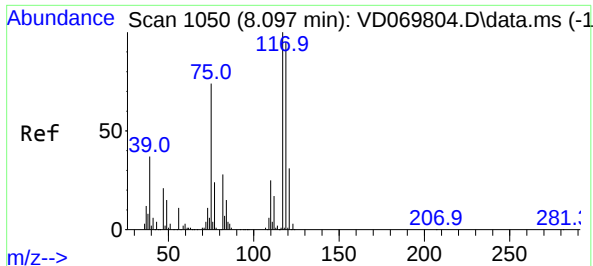


#35

Dibromofluoromethane
Concen: 51.113 ug/l
RT: 7.914 min Scan# 1019
Delta R.T. -0.000 min
Lab File: VD069853.D
Acq: 26 Jul 2021 17:48

Tgt Ion:113 Resp: 565302
Ion Ratio Lower Upper
113 100
111 103.5 80.5 120.7
192 17.8 12.6 19.0

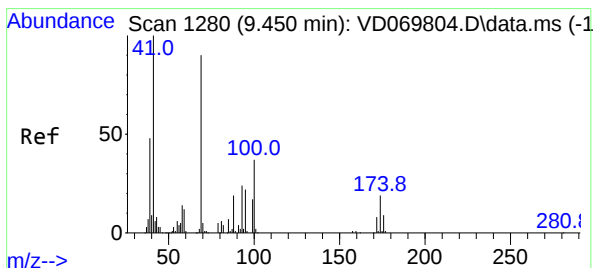
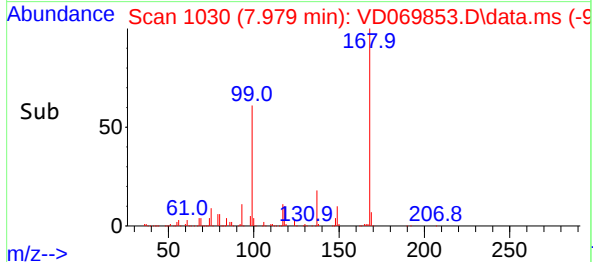
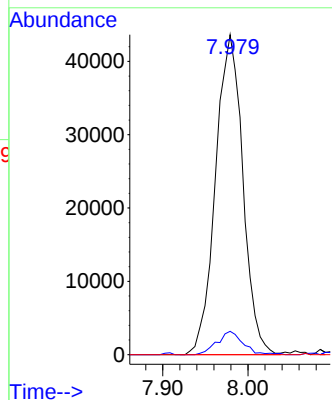
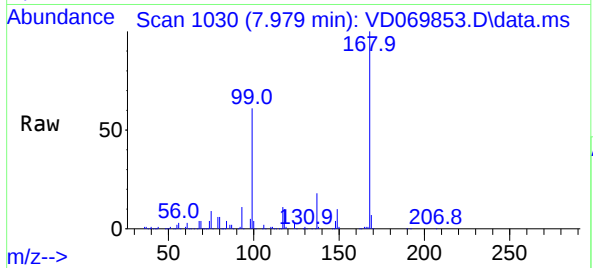




#38
Carbon Tetrachloride
Concen: 5.624 ug/l
RT: 7.979 min Scan# 1030
Delta R.T. -0.118 min
Lab File: VD069853.D
Acq: 26 Jul 2021 17:48

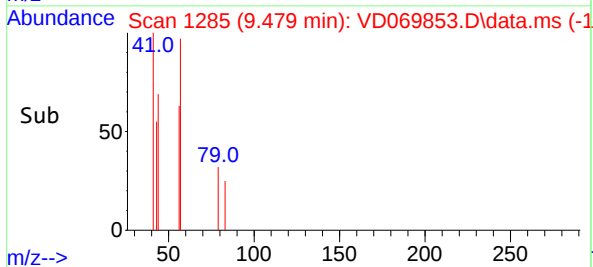
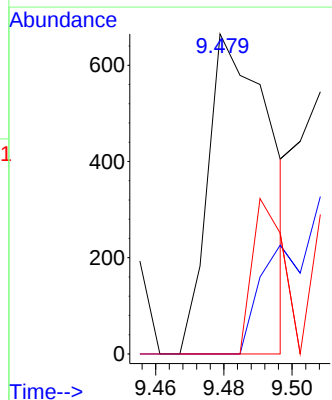
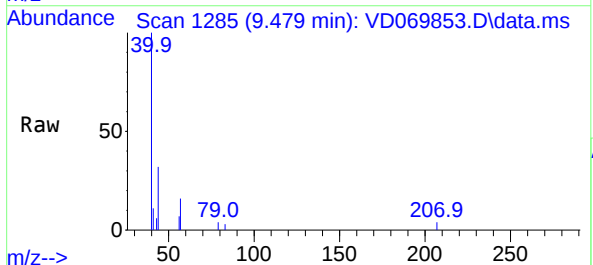
Instrument :
MSVOA_D
ClientSampleId :

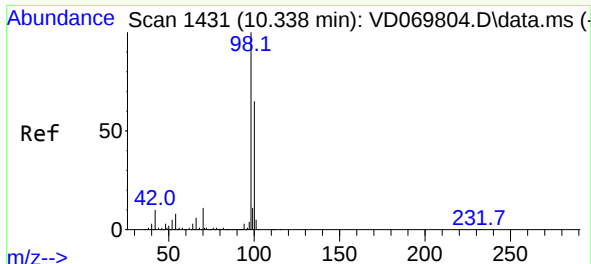
Tgt Ion:117 Resp: 97257
Ion Ratio Lower Upper
117 100
119 7.3 76.2 114.2#
121 0.0 24.5 36.7#



#48
Methyl methacrylate
Concen: 2.868 ug/l
RT: 9.479 min Scan# 1285
Delta R.T. 0.029 min
Lab File: VD069853.D
Acq: 26 Jul 2021 17:48

Tgt Ion: 41 Resp: 844
Ion Ratio Lower Upper
41 100
69 23.2 73.4 110.2#
39 24.1 36.6 55.0#

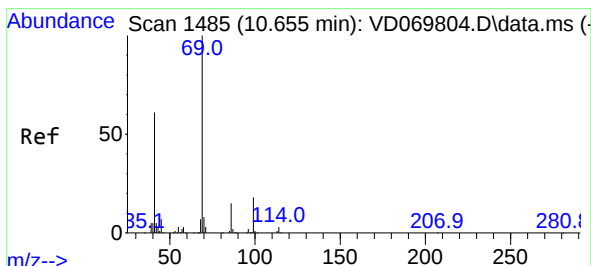
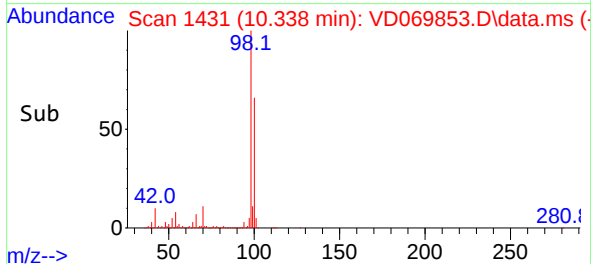
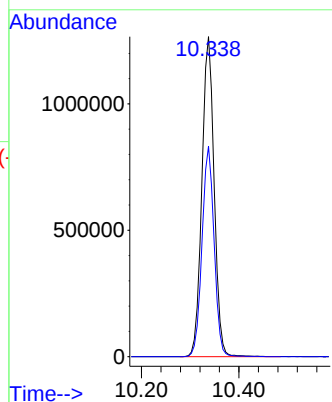
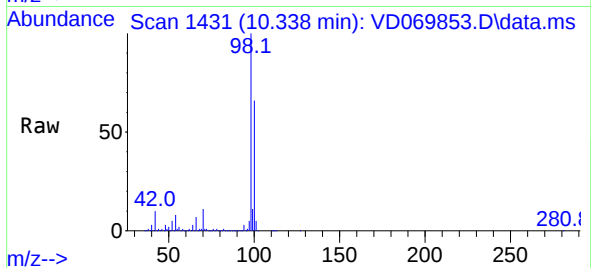




#50
Toluene-d8
Concen: 51.791 ug/l
RT: 10.338 min Scan# 1431
Delta R.T. -0.000 min
Lab File: VD069853.D
Acq: 26 Jul 2021 17:48

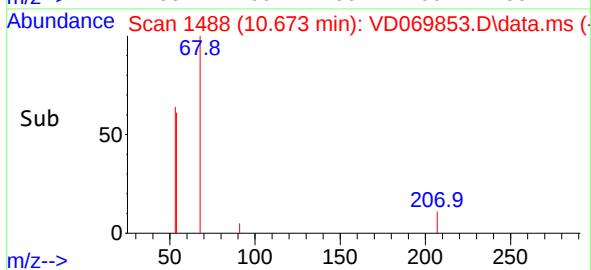
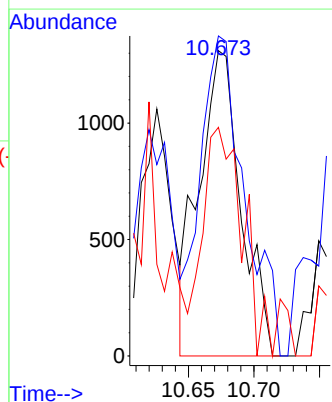
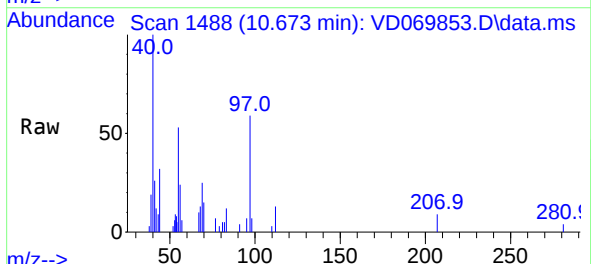
Instrument :
MSVOA_D
ClientSampleId :

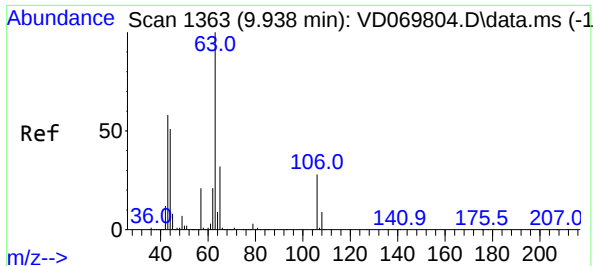
Tgt Ion: 98 Resp: 2208664
Ion Ratio Lower Upper
98 100
100 64.9 51.9 77.9



#56
Ethyl methacrylate
Concen: 4.114 ug/l
RT: 10.673 min Scan# 1488
Delta R.T. 0.018 min
Lab File: VD069853.D
Acq: 26 Jul 2021 17:48

Tgt Ion: 69 Resp: 2928
Ion Ratio Lower Upper
69 100
41 110.5 50.2 75.2#
39 70.7 22.0 33.0#

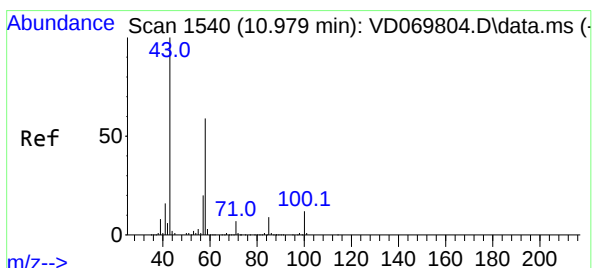
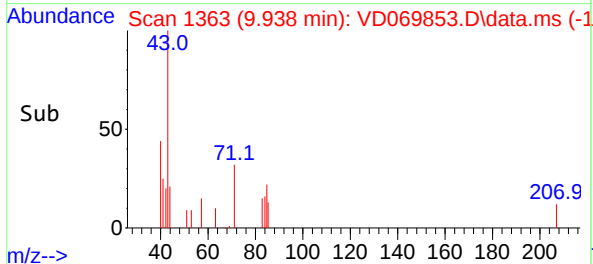
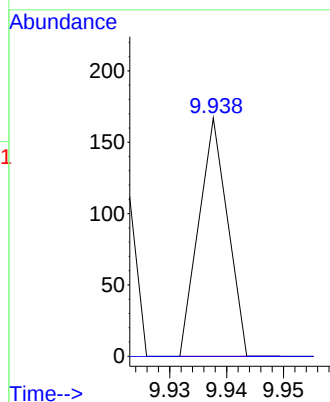
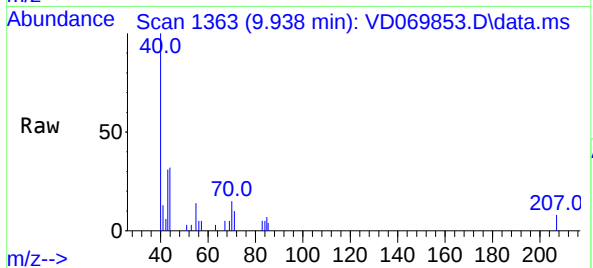




#58
2-Chloroethyl Vinyl ether
Concen: 20.880 ug/l
RT: 9.938 min Scan# 1363
Delta R.T. -0.000 min
Lab File: VD069853.D
Acq: 26 Jul 2021 17:48

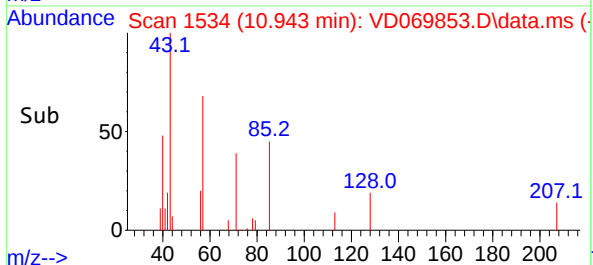
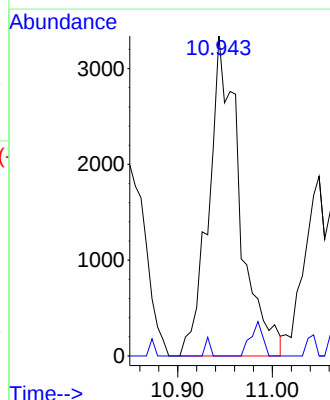
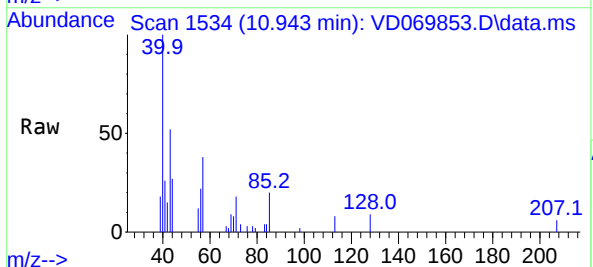
Instrument :
MSVOA_D
ClientSampled :

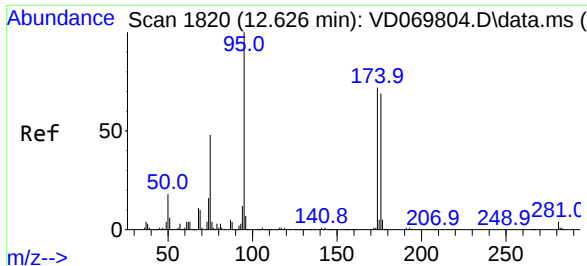
Tgt Ion: 63 Resp: 59
Ion Ratio Lower Upper
63 100
106 0.0 21.8 32.6#



#59
2-Hexanone
Concen: 1.788 ug/l
RT: 10.943 min Scan# 1534
Delta R.T. -0.036 min
Lab File: VD069853.D
Acq: 26 Jul 2021 17:48

Tgt Ion: 43 Resp: 7609
Ion Ratio Lower Upper
43 100
58 0.9 29.4 88.3#

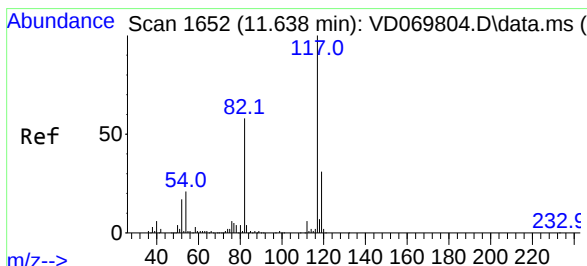
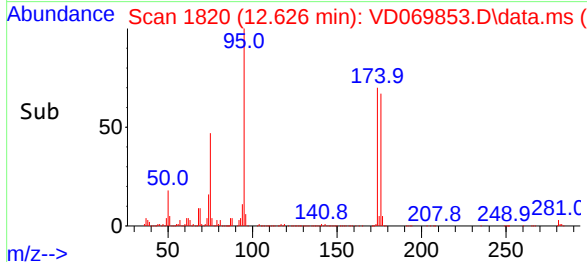
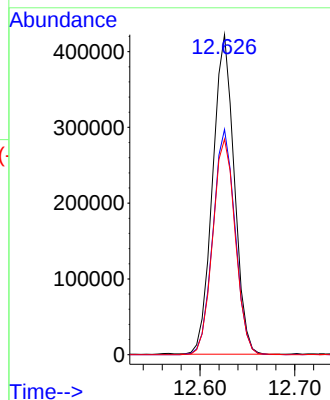
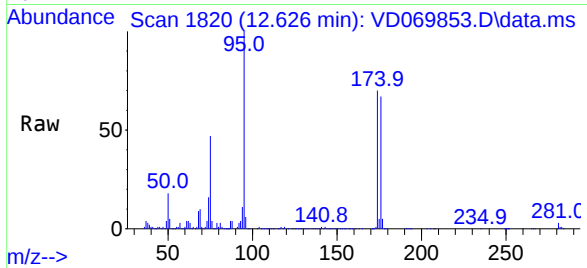




#62
4-Bromofluorobenzene
Concen: 46.810 ug/l
RT: 12.626 min Scan# 1820
Delta R.T. -0.000 min
Lab File: VD069853.D
Acq: 26 Jul 2021 17:48

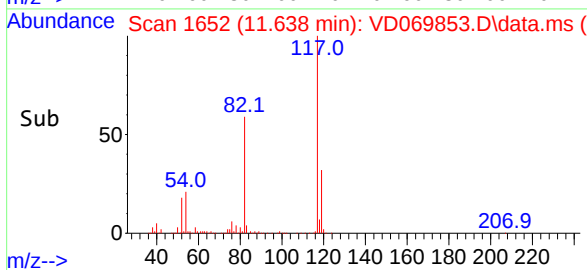
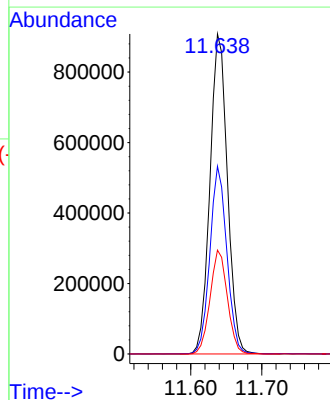
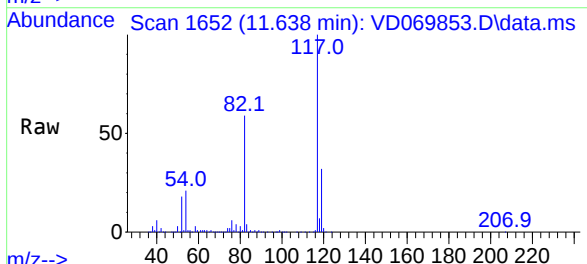
Instrument :
MSVOA_D
ClientSampleId :

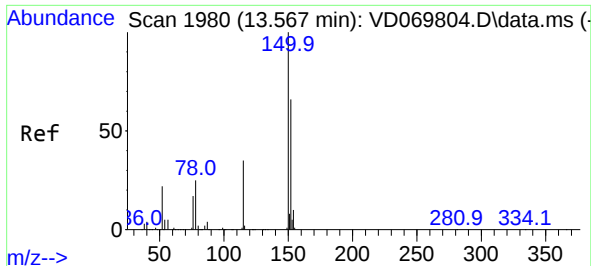
Tgt Ion: 95 Resp: 667150
Ion Ratio Lower Upper
95 100
174 72.2 0.0 142.6
176 70.2 0.0 134.2



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.638 min Scan# 1652
Delta R.T. -0.000 min
Lab File: VD069853.D
Acq: 26 Jul 2021 17:48

Tgt Ion: 117 Resp: 1549954
Ion Ratio Lower Upper
117 100
82 58.6 46.3 69.5
119 32.4 24.7 37.1

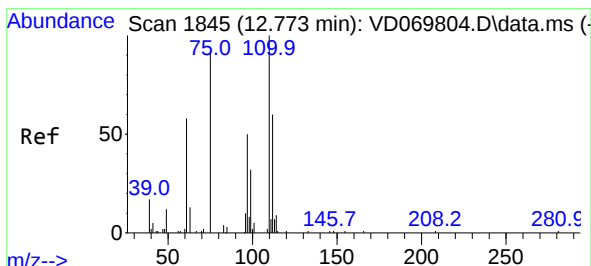
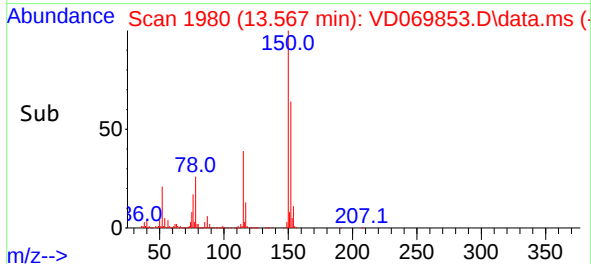
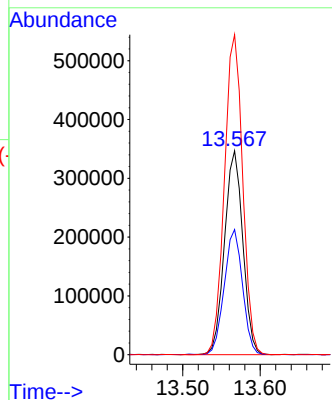
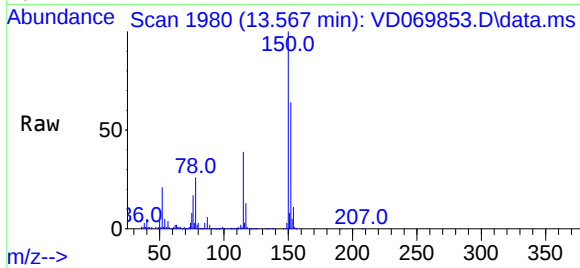




#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.567 min Scan# 1980
Delta R.T. -0.000 min
Lab File: VD069853.D
Acq: 26 Jul 2021 17:48

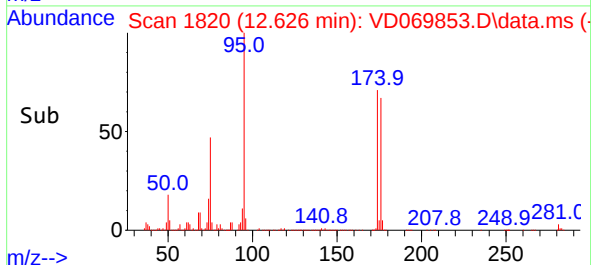
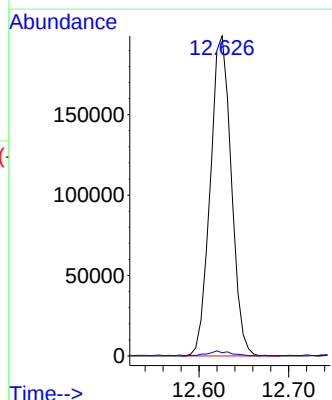
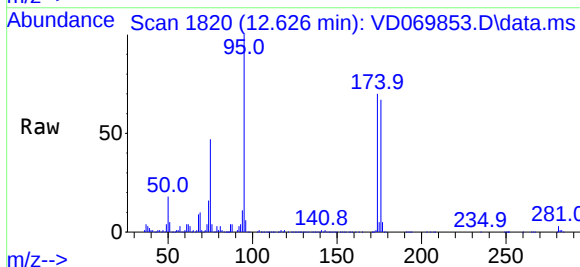
Instrument :
MSVOA_D
ClientSampleId :

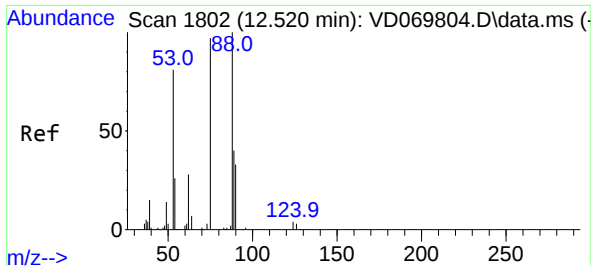
Tgt Ion:152 Resp: 569146
Ion Ratio Lower Upper
152 100
115 61.4 31.1 93.3
150 156.7 0.0 343.0



#76
1,2,3-Trichloropropane
Concen: 53.479 ug/l
RT: 12.626 min Scan# 1820
Delta R.T. -0.147 min
Lab File: VD069853.D
Acq: 26 Jul 2021 17:48

Tgt Ion: 75 Resp: 323527
Ion Ratio Lower Upper
75 100
77 1.8 181.5 544.5#

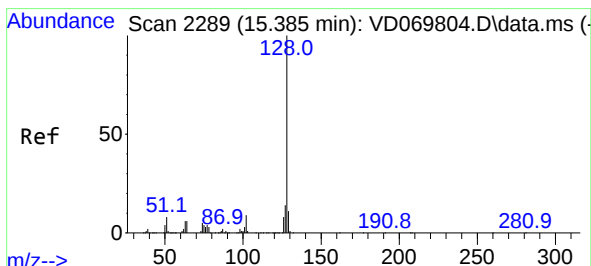
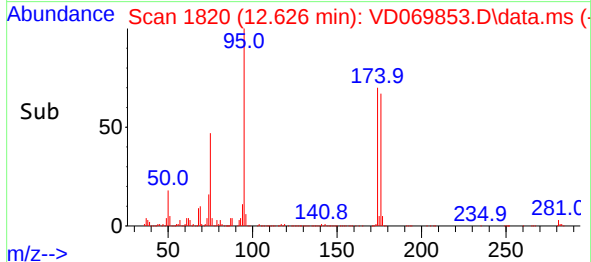
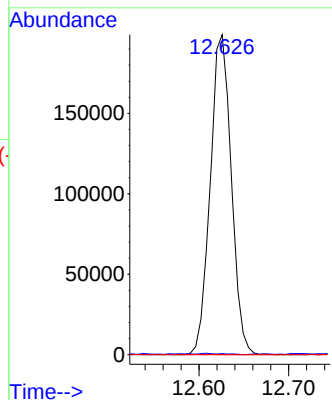
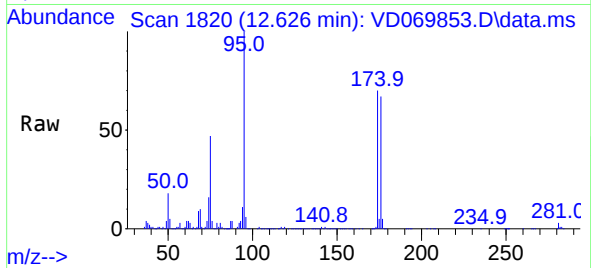




#81
trans-1,4-Dichloro-2-butene
Concen: 162.241 ug/l
RT: 12.626 min Scan# 1820
Delta R.T. 0.106 min
Lab File: VD069853.D
Acq: 26 Jul 2021 17:48

Instrument :
MSVOA_D
ClientSampled :

Tgt Ion: 75 Resp: 323527
Ion Ratio Lower Upper
75 100
53 0.2 67.2 100.8#
89 0.0 35.8 53.6#



#95
Naphthalene
Concen: 5.284 ug/l
RT: 15.384 min Scan# 2289
Delta R.T. -0.001 min
Lab File: VD069853.D
Acq: 26 Jul 2021 17:48

Tgt Ion:128 Resp: 5901
Ion Ratio Lower Upper
128 100
127 19.1 10.6 16.0#
129 2.3 8.6 12.8#

