

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD080421\
 Data File : VD069984.D
 Acq On : 04 Aug 2021 14:18
 Operator : VA/SY
 Sample : M3268-09RE
 Misc : 9.78G/5.00ml/MSVOA_D/SOIL
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :

Quant Time: Aug 05 03:10:46 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)

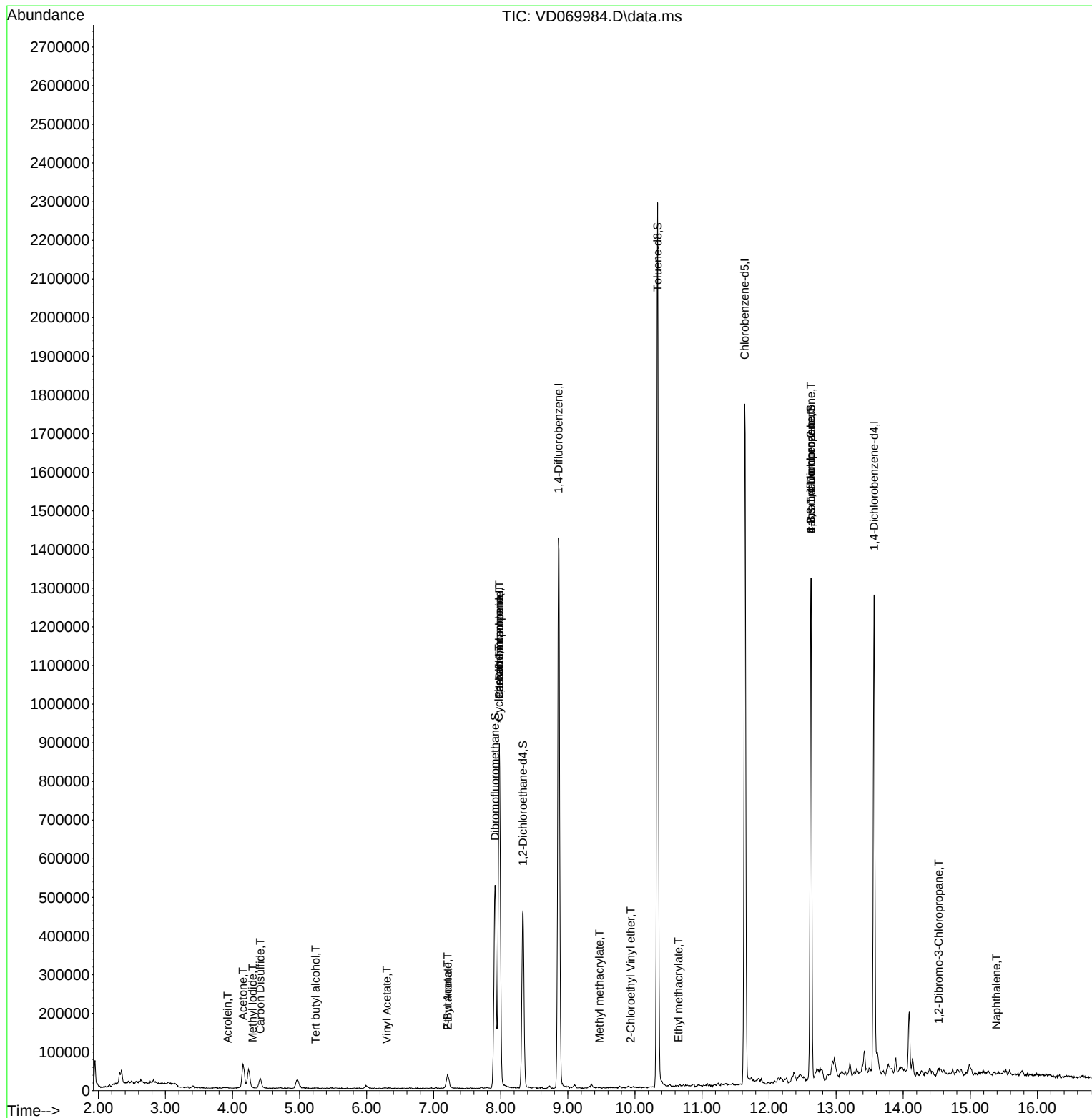
Internal Standards						
1) Pentafluorobenzene	7.979	168	629320	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.861	114	1234199	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.638	117	1035425	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.567	152	317657	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.332	65	368660	50.936	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	=	101.880%
35) Dibromofluoromethane	7.914	113	390568	50.199	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	=	100.400%
50) Toluene-d8	10.338	98	1544515	51.483	ug/l	0.00
Spiked Amount	50.000	Range	49 - 140	Recovery	=	102.960%
62) 4-Bromofluorobenzene	12.626	95	421795	42.069	ug/l	0.00
Spiked Amount	50.000	Range	25 - 144	Recovery	=	84.140%
Target Compounds						
						Qvalue
5) Bromomethane	2.773	94	2598	Below Cal		90
10) Methyl Iodide	4.303	142	1437	3.633	ug/l #	65
11) Tert butyl alcohol	5.238	59	398	1.063	ug/l #	73
13) Acrolein	3.926	56	1040	1.984	ug/l #	74
16) Acetone	4.156	43	106568	81.507	ug/l	96
17) Carbon Disulfide	4.414	76	50553	1.964	ug/l	97
20) Methylene Chloride	4.961	84	17599	Below Cal		95
23) Vinyl Acetate	6.303	43	175	20.362	ug/l #	71
25) 2-Butanone	7.208	43	37802	21.320	ug/l	99
31) Cyclohexane	7.973	56	16353	1.156	ug/l #	1
36) 1,1-Dichloropropene	7.979	75	56789	4.264	ug/l #	50
37) Ethyl Acetate	7.208	43	37802	7.796	ug/l #	71
38) Carbon Tetrachloride	7.979	117	69101	5.680	ug/l #	17
48) Methyl methacrylate	9.473	41	365	2.821	ug/l #	72
56) Ethyl methacrylate	10.649	69	276	3.925	ug/l #	1
58) 2-Chloroethyl Vinyl ether	9.938	63	262	20.933	ug/l #	48
76) 1,2,3-Trichloropropane	12.626	75	205263	60.792	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.626	75	205263	184.428	ug/l #	16
92) 1,2-Dibromo-3-Chloropr...	14.532	75	1350	2.057	ug/l #	10
95) Naphthalene	15.390	128	3301	5.285	ug/l #	85

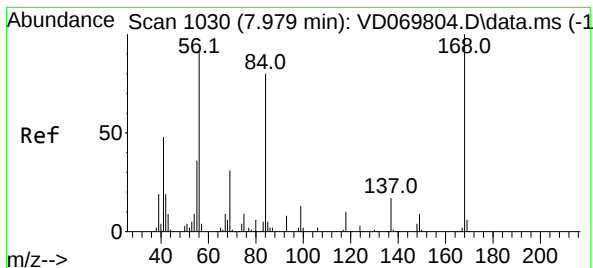
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : SW846 8260
QLast Update : Fri Jul 23 04:51:13 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: VD069984.D

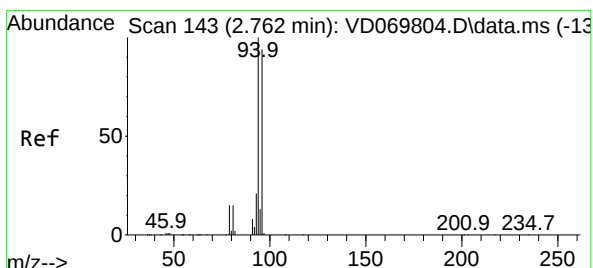
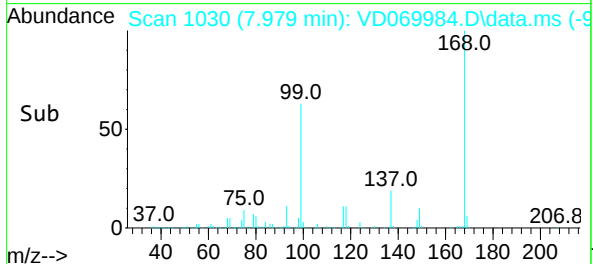
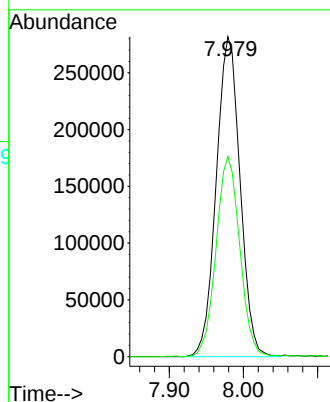
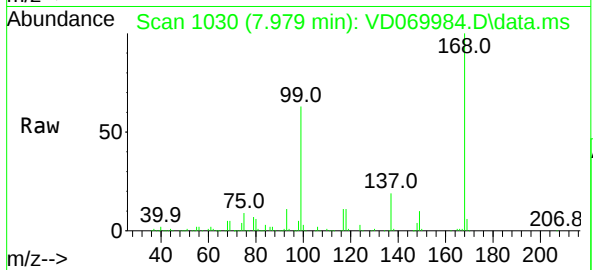
Acq: 04 Aug 2021 14:18

Tgt Ion:168 Resp: 629320

Ion Ratio Lower Upper

168 100

99 62.5 51.1 76.7



#5

Bromomethane

Concen: Below Cal

RT: 2.773 min Scan# 145

Delta R.T. 0.011 min

Lab File: VD069984.D

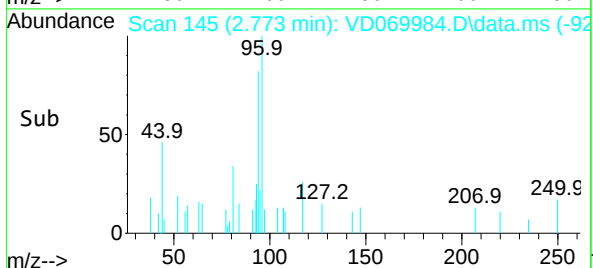
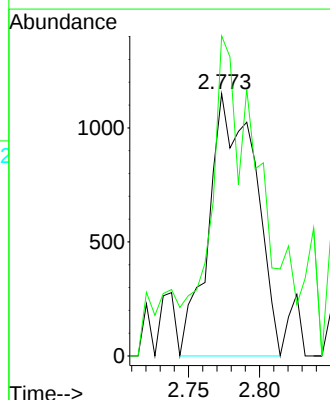
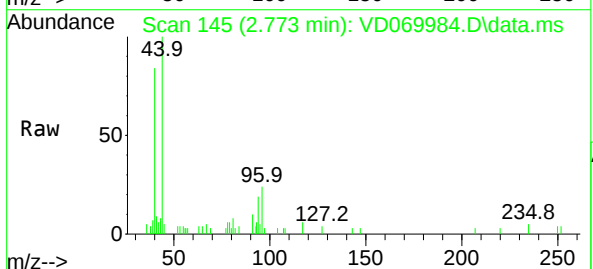
Acq: 04 Aug 2021 14:18

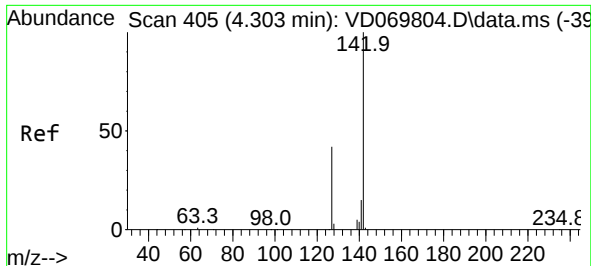
Tgt Ion: 94 Resp: 2598

Ion Ratio Lower Upper

94 100

96 103.5 74.8 112.2

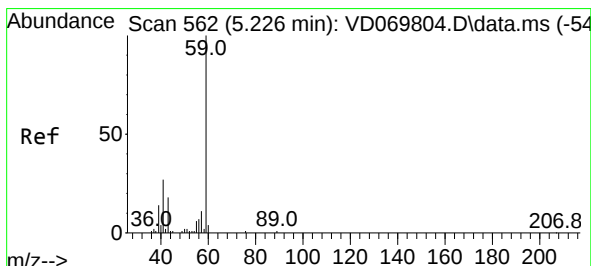
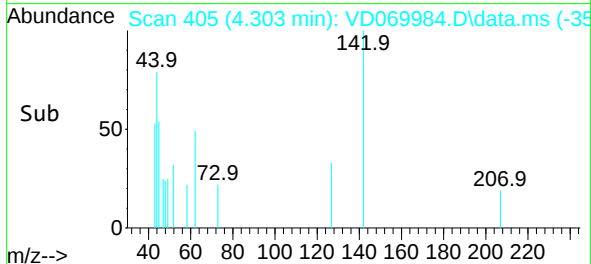
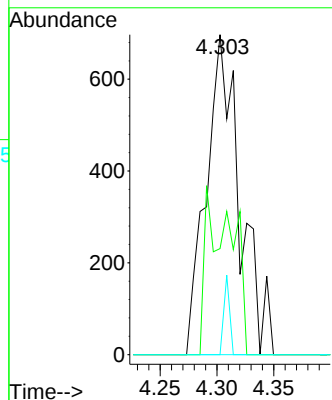
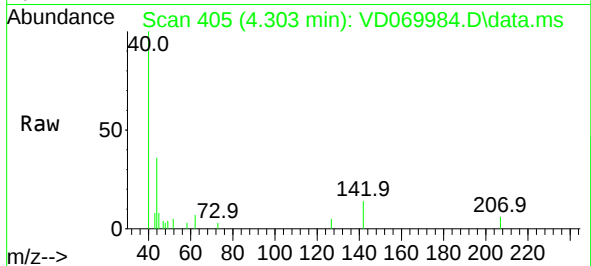




#10
Methyl Iodide
Concen: 3.633 ug/l
RT: 4.303 min Scan# 405
Delta R.T. -0.000 min
Lab File: VD069984.D
Acq: 04 Aug 2021 14:18

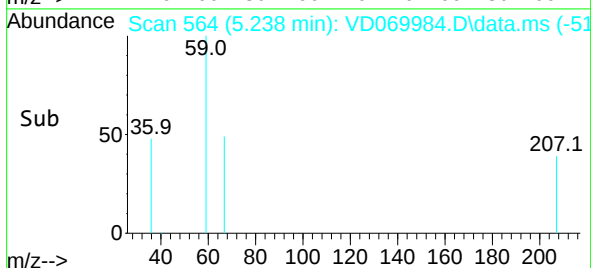
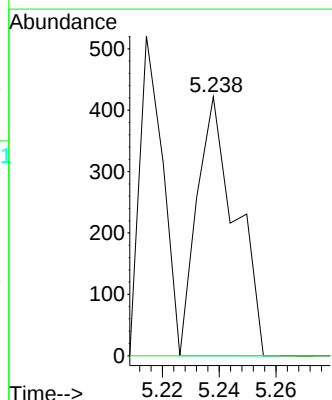
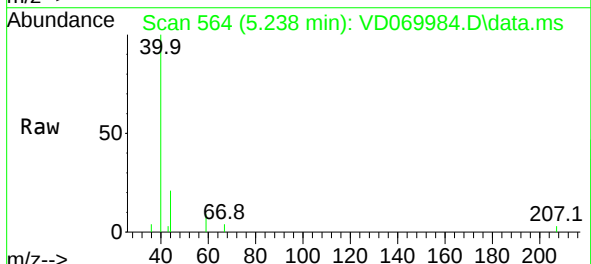
Instrument :
MSVOA_D
ClientSampled :

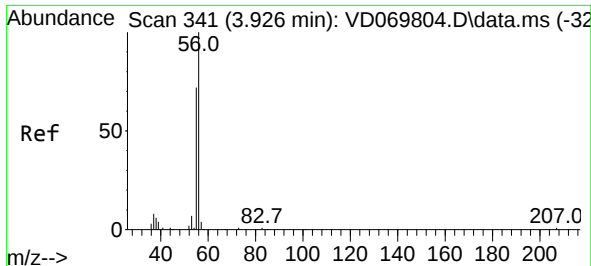
Tgt Ion:142 Resp: 1437
Ion Ratio Lower Upper
142 100
127 20.2 35.7 53.5#
141 4.2 12.0 18.0#



#11
Tert butyl alcohol
Concen: 1.063 ug/l
RT: 5.238 min Scan# 564
Delta R.T. 0.012 min
Lab File: VD069984.D
Acq: 04 Aug 2021 14:18

Tgt Ion: 59 Resp: 398
Ion Ratio Lower Upper
59 100
57 0.0 8.1 12.1#

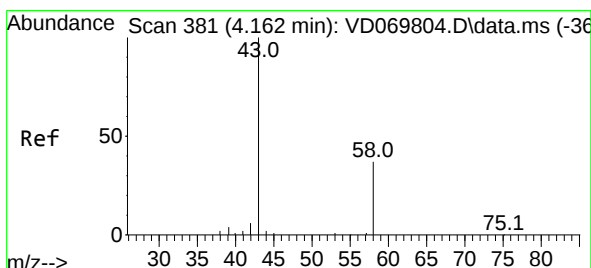
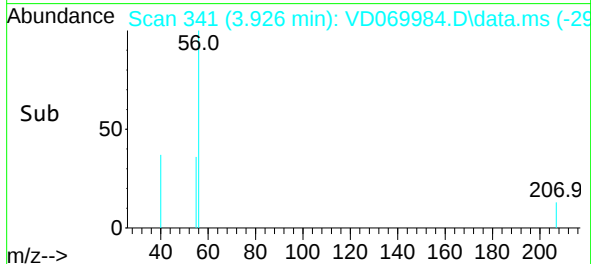
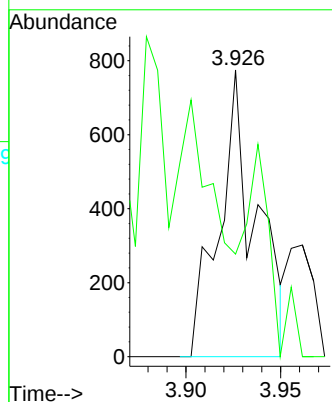
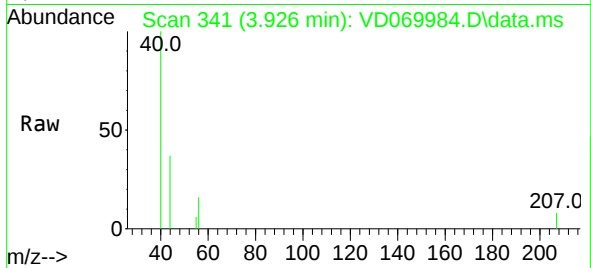




#13
Acrolein
Concen: 1.984 ug/l
RT: 3.926 min Scan# 341
Delta R.T. -0.000 min
Lab File: VD069984.D
Acq: 04 Aug 2021 14:18

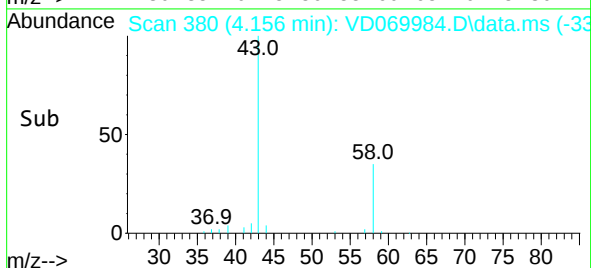
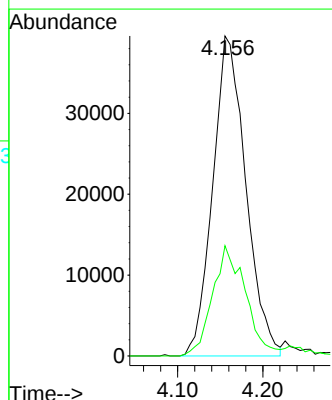
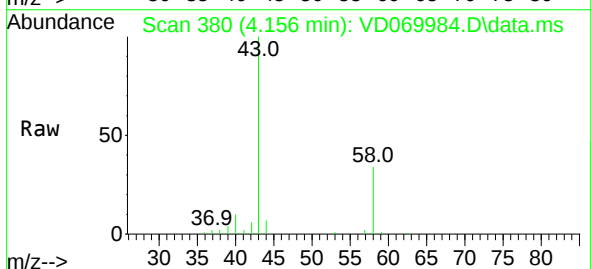
Instrument :
MSVOA_D
ClientSampled :

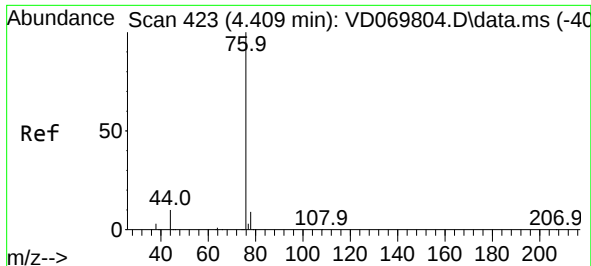
Tgt Ion: 56 Resp: 1040
Ion Ratio Lower Upper
56 100
55 50.2 57.2 85.8#



#16
Acetone
Concen: 81.507 ug/l
RT: 4.156 min Scan# 380
Delta R.T. -0.006 min
Lab File: VD069984.D
Acq: 04 Aug 2021 14:18

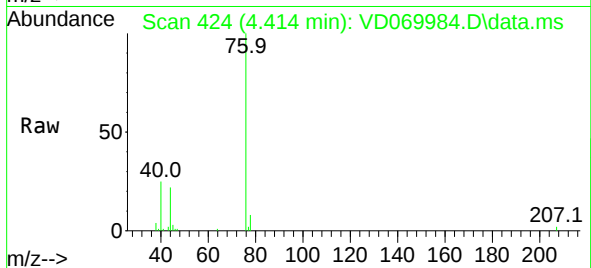
Tgt Ion: 43 Resp: 106568
Ion Ratio Lower Upper
43 100
58 34.5 29.4 44.0



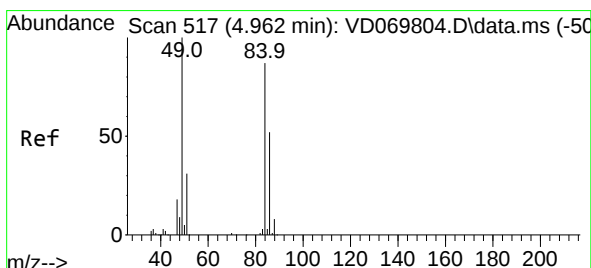
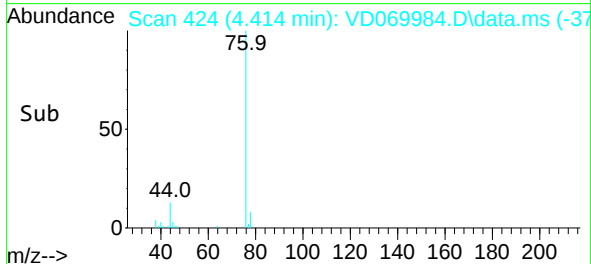
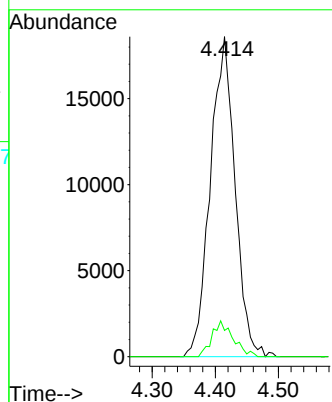


#17
Carbon Disulfide
Concen: 1.964 ug/l
RT: 4.414 min Scan# 424
Delta R.T. 0.006 min
Lab File: VD069984.D
Acq: 04 Aug 2021 14:18

Instrument :
MSVOA_D
ClientSampled :

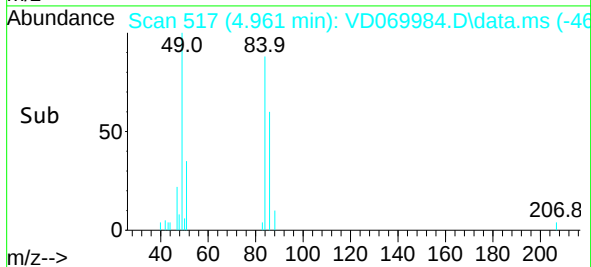
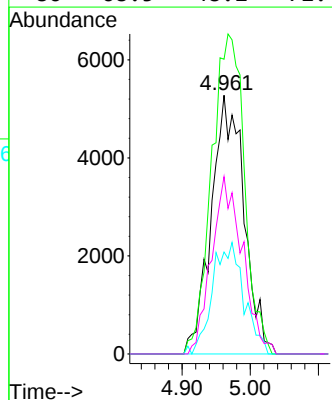
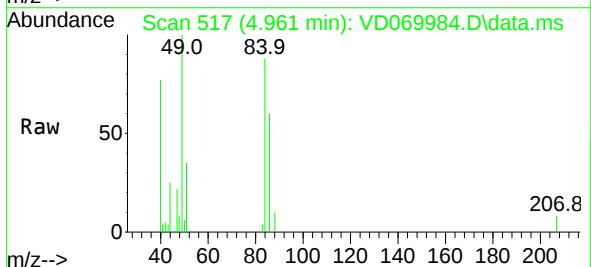


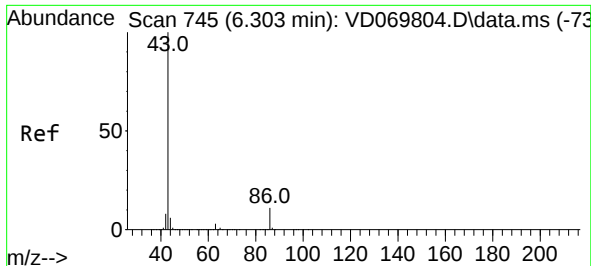
Tgt Ion: 76 Resp: 50553
Ion Ratio Lower Upper
76 100
78 8.2 7.3 10.9



#20
Methylene Chloride
Concen: Below Cal
RT: 4.961 min Scan# 517
Delta R.T. -0.001 min
Lab File: VD069984.D
Acq: 04 Aug 2021 14:18

Tgt Ion: 84 Resp: 17599
Ion Ratio Lower Upper
84 100
49 113.9 92.4 138.6
51 39.4 28.5 42.7
86 68.5 48.2 72.4

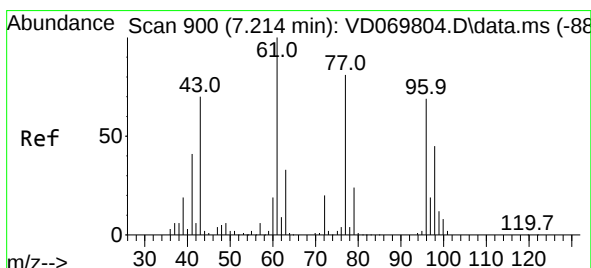
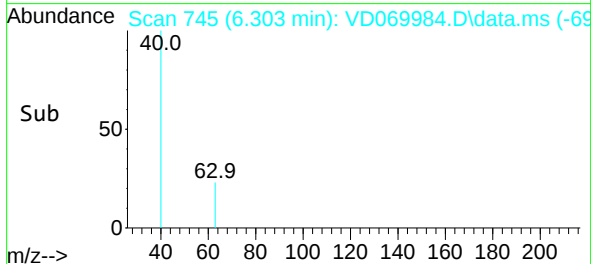
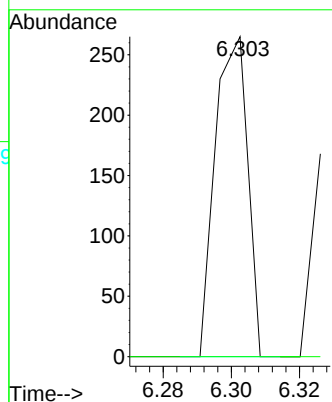
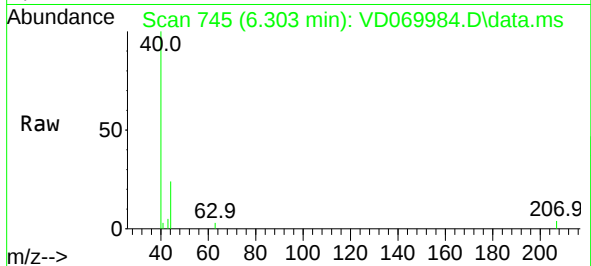




#23
 Vinyl Acetate
 Concen: 20.362 ug/l
 RT: 6.303 min Scan# 745
 Delta R.T. -0.000 min
 Lab File: VD069984.D
 Acq: 04 Aug 2021 14:18

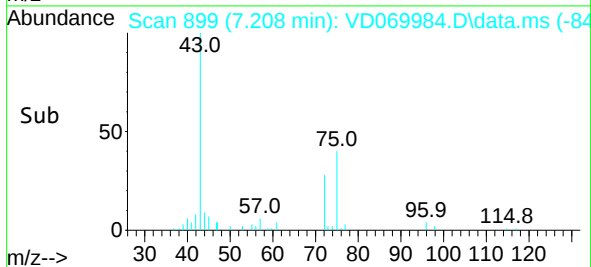
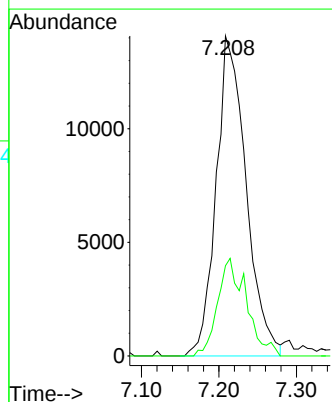
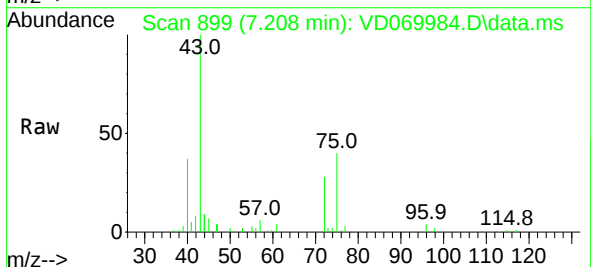
Instrument :
 MSVOA_D
 ClientSampled :

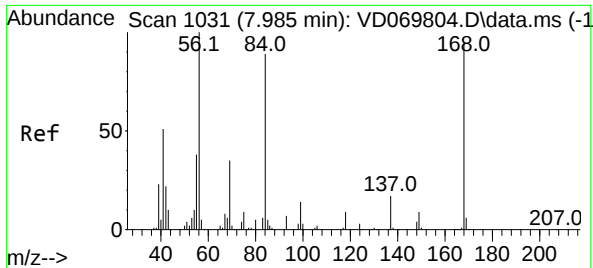
Tgt Ion: 43 Resp: 175
 Ion Ratio Lower Upper
 43 100
 86 0.0 8.6 13.0#



#25
 2-Butanone
 Concen: 21.320 ug/l
 RT: 7.208 min Scan# 899
 Delta R.T. -0.006 min
 Lab File: VD069984.D
 Acq: 04 Aug 2021 14:18

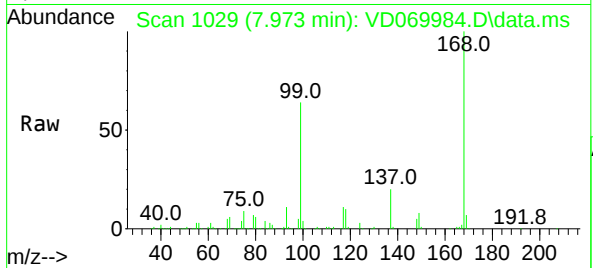
Tgt Ion: 43 Resp: 37802
 Ion Ratio Lower Upper
 43 100
 72 28.2 22.8 34.2



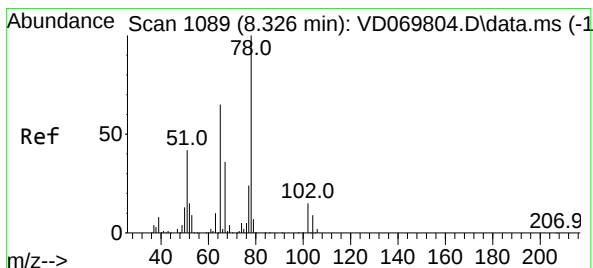
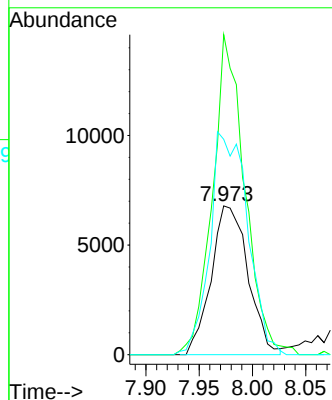
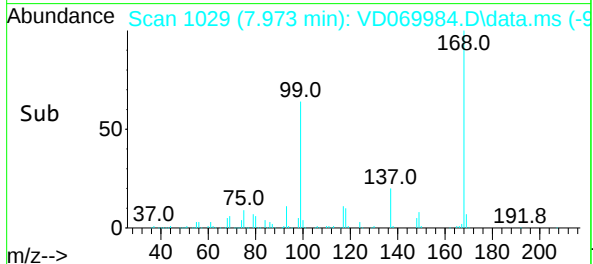


#31
Cyclohexane
Concen: 1.156 ug/l
RT: 7.973 min Scan# 1029
Delta R.T. -0.012 min
Lab File: VD069984.D
Acq: 04 Aug 2021 14:18

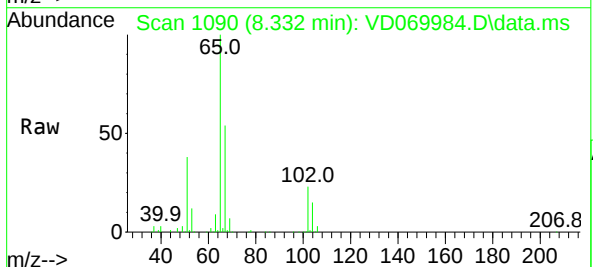
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MSVOA_D
ClientSampleId :



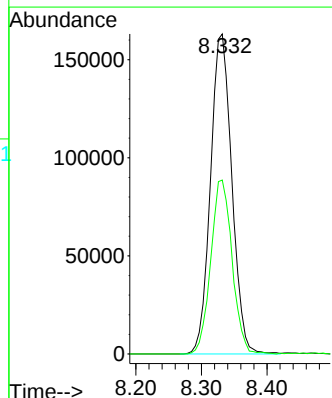
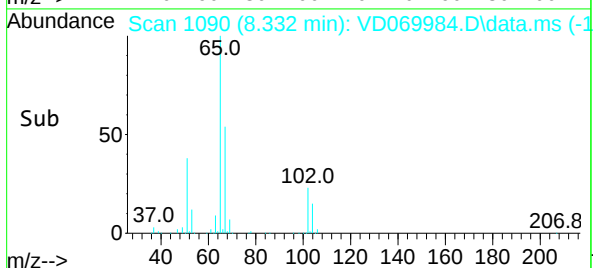
Tgt Ion: 56 Resp: 16353
Ion Ratio Lower Upper
56 100
69 212.4 27.9 41.9#
84 142.4 71.4 107.2#

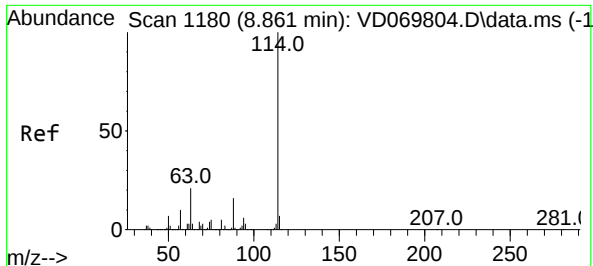


#33
1,2-Dichloroethane-d4
Concen: 50.936 ug/l
RT: 8.332 min Scan# 1090
Delta R.T. 0.006 min
Lab File: VD069984.D
Acq: 04 Aug 2021 14:18



Tgt Ion: 65 Resp: 368660
Ion Ratio Lower Upper
65 100
67 54.4 0.0 111.2

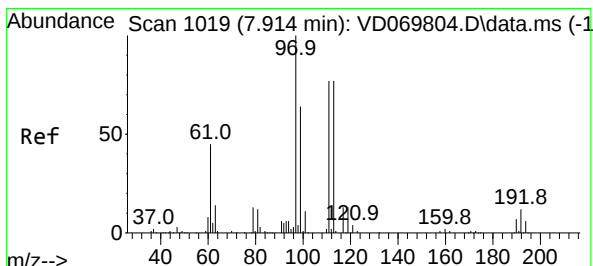
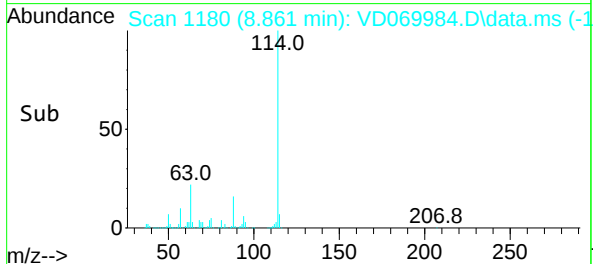
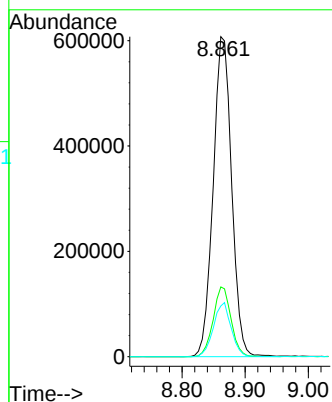
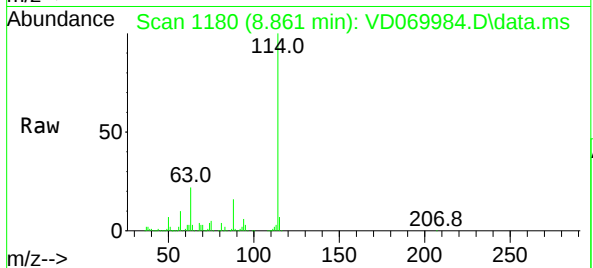




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.861 min Scan# 1180
Delta R.T. 0.000 min
Lab File: VD069984.D
Acq: 04 Aug 2021 14:18

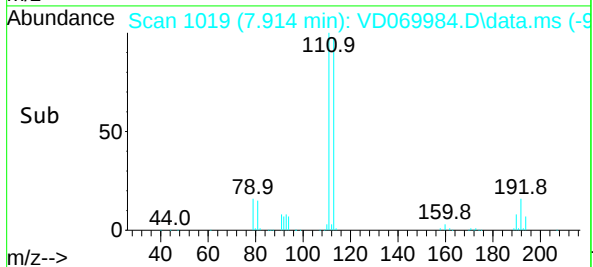
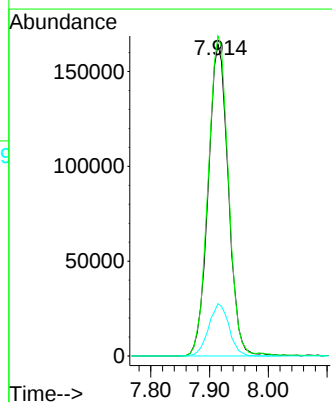
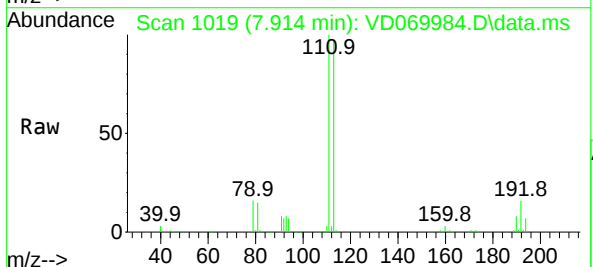
Instrument :
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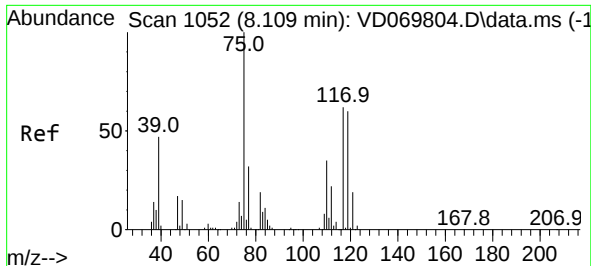
Tgt Ion:114 Resp: 1234199
Ion Ratio Lower Upper
114 100
63 21.8 0.0 41.6
88 15.9 0.0 31.4



#35
Dibromofluoromethane
Concen: 50.199 ug/l
RT: 7.914 min Scan# 1019
Delta R.T. -0.000 min
Lab File: VD069984.D
Acq: 04 Aug 2021 14:18

Tgt Ion:113 Resp: 390568
Ion Ratio Lower Upper
113 100
111 103.6 80.5 120.7
192 16.9 12.6 19.0

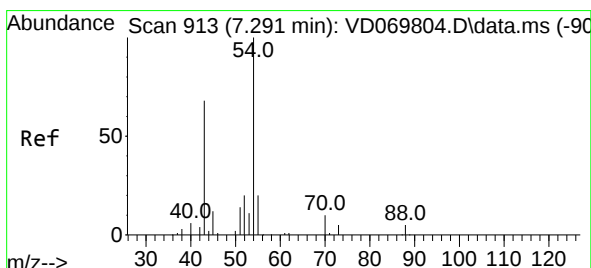
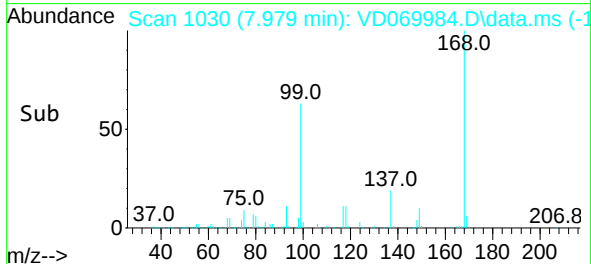
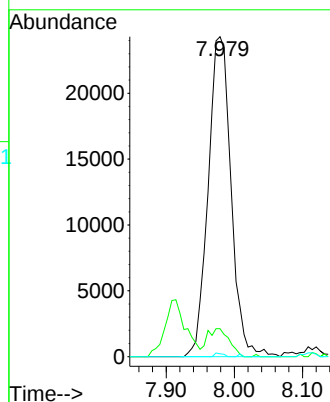
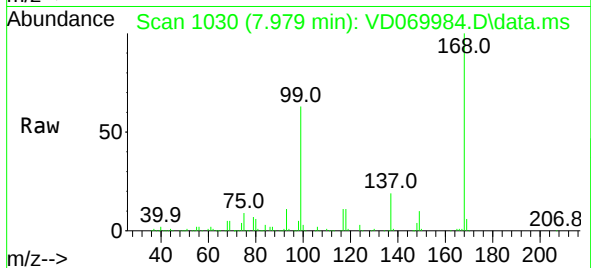




#36
1,1-Dichloropropene
Concen: 4.264 ug/l
RT: 7.979 min Scan# 1030
Delta R.T. -0.130 min
Lab File: VD069984.D
Acq: 04 Aug 2021 14:18

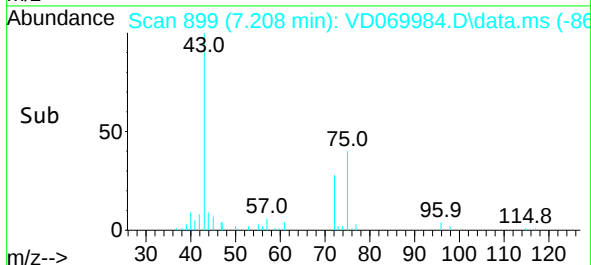
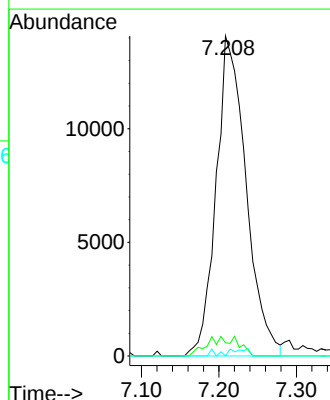
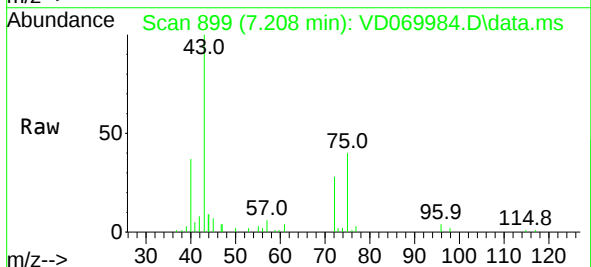
Instrument :
MSVOA_D
ClientSampled :

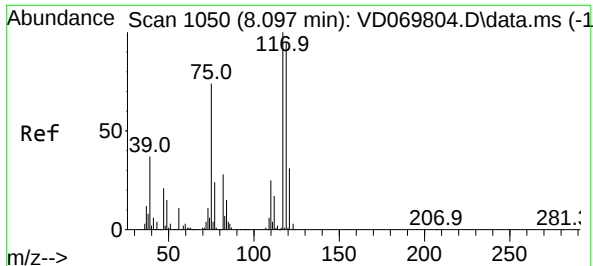
Tgt Ion: 75 Resp: 56789
Ion Ratio Lower Upper
75 100
110 8.4 16.9 50.7#
77 0.4 24.9 37.3#



#37
Ethyl Acetate
Concen: 7.796 ug/l
RT: 7.208 min Scan# 899
Delta R.T. -0.083 min
Lab File: VD069984.D
Acq: 04 Aug 2021 14:18

Tgt Ion: 43 Resp: 37802
Ion Ratio Lower Upper
43 100
61 2.5 11.8 17.8#
70 0.3 8.9 13.3#

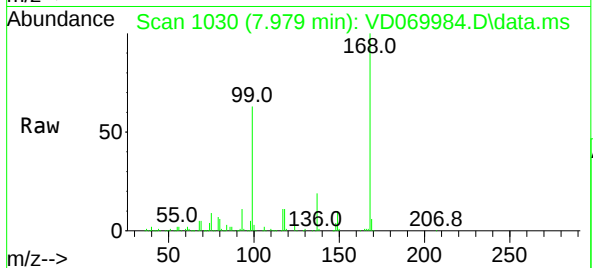




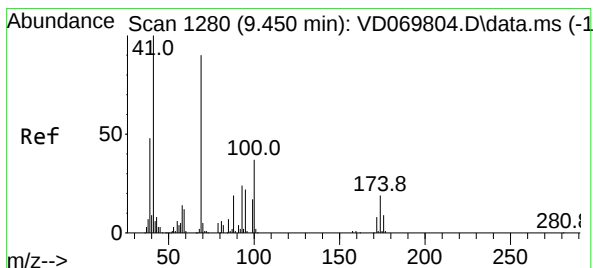
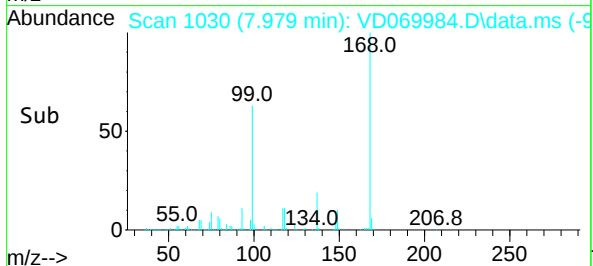
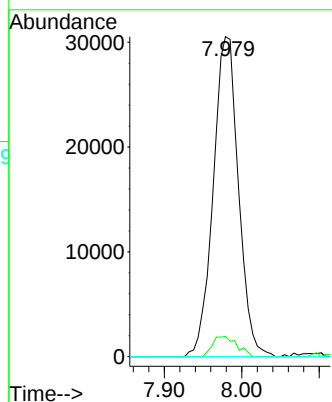
#38

Carbon Tetrachloride
Concen: 5.680 ug/l
RT: 7.979 min Scan# 1030
Delta R.T. -0.118 min
Lab File: VD069984.D
Acq: 04 Aug 2021 14:18

Instrument :
MSVOA_D
ClientSampled :



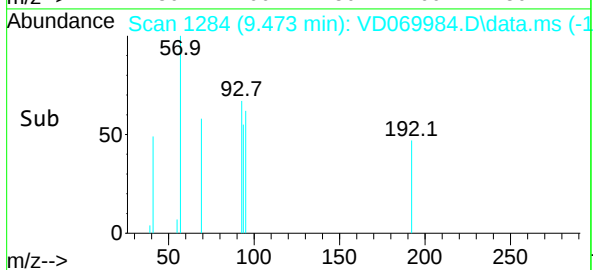
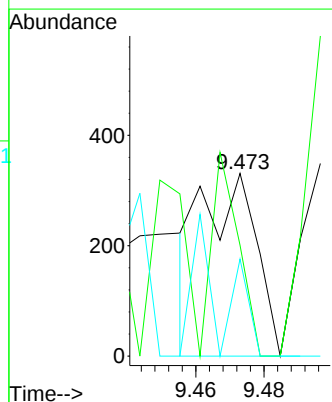
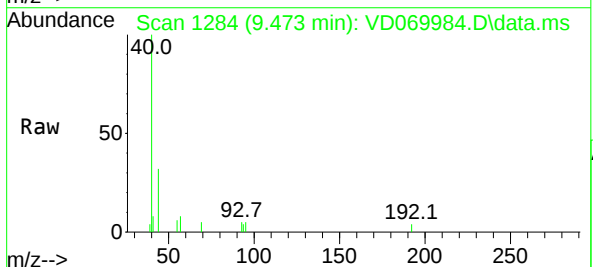
Tgt Ion:117 Resp: 69101
Ion Ratio Lower Upper
117 100
119 6.4 76.2 114.2#
121 0.0 24.5 36.7#

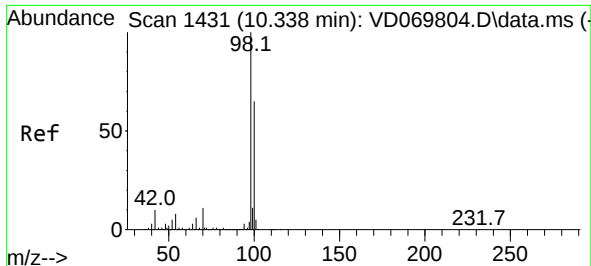


#48

Methyl methacrylate
Concen: 2.821 ug/l
RT: 9.473 min Scan# 1284
Delta R.T. 0.023 min
Lab File: VD069984.D
Acq: 04 Aug 2021 14:18

Tgt Ion: 41 Resp: 365
Ion Ratio Lower Upper
41 100
69 55.1 73.4 110.2#
39 41.9 36.6 55.0

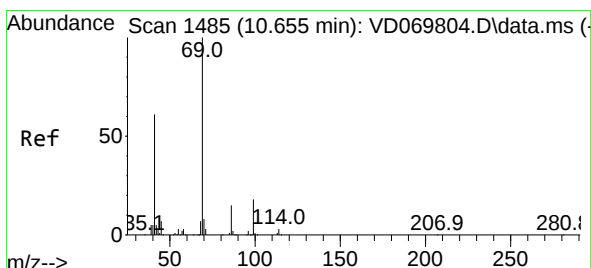
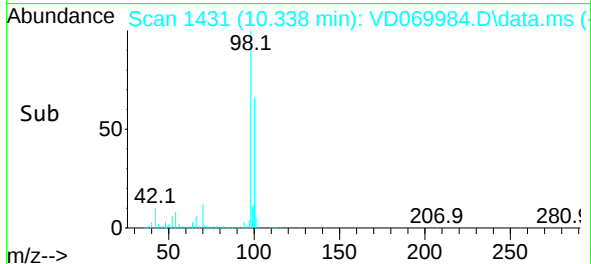
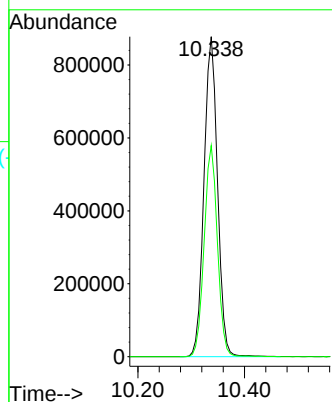
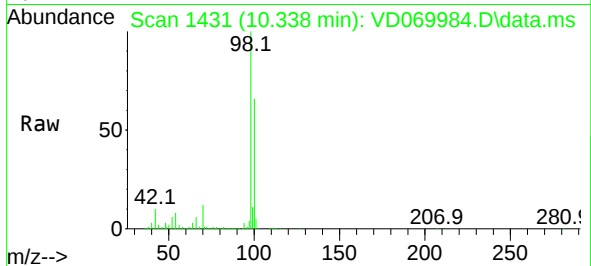




#50
Toluene-d8
Concen: 51.483 ug/l
RT: 10.338 min Scan# 1431
Delta R.T. -0.000 min
Lab File: VD069984.D
Acq: 04 Aug 2021 14:18

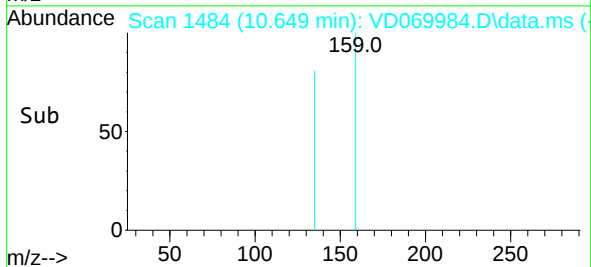
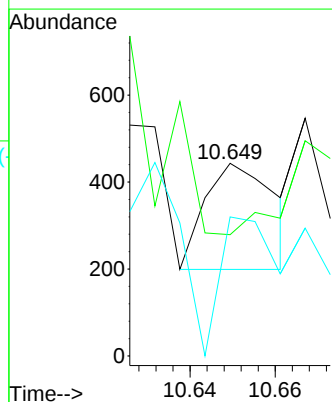
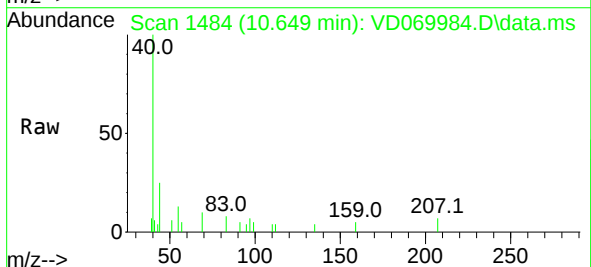
Instrument :
MSVOA_D
ClientSampled :

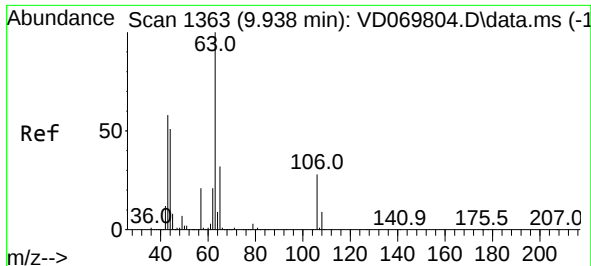
Tgt Ion: 98 Resp: 1544515
Ion Ratio Lower Upper
98 100
100 64.7 51.9 77.9



#56
Ethyl methacrylate
Concen: 3.925 ug/l
RT: 10.649 min Scan# 1484
Delta R.T. -0.006 min
Lab File: VD069984.D
Acq: 04 Aug 2021 14:18

Tgt Ion: 69 Resp: 276
Ion Ratio Lower Upper
69 100
41 0.0 50.2 75.2#
39 185.9 22.0 33.0#

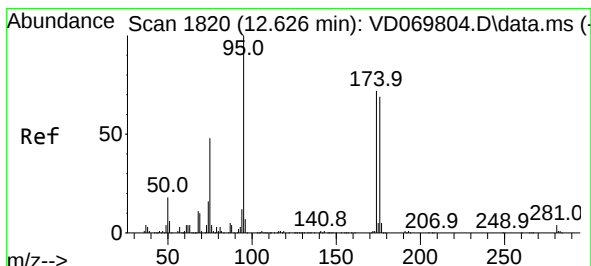
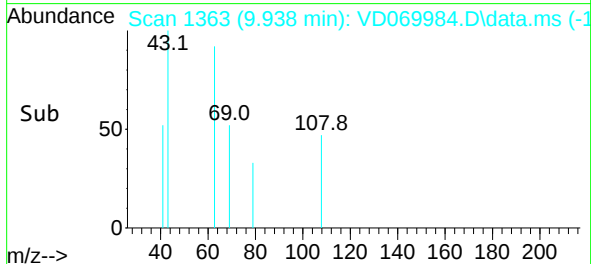
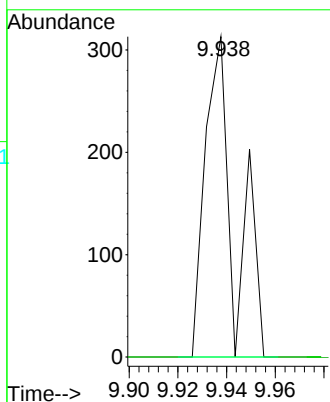
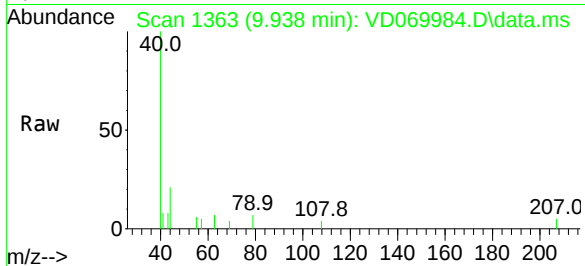




#58
2-Chloroethyl Vinyl ether
Concen: 20.933 ug/l
RT: 9.938 min Scan# 1363
Delta R.T. -0.000 min
Lab File: VD069984.D
Acq: 04 Aug 2021 14:18

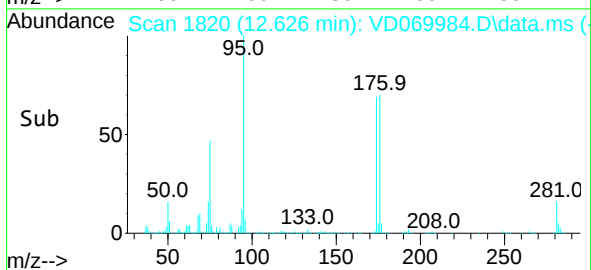
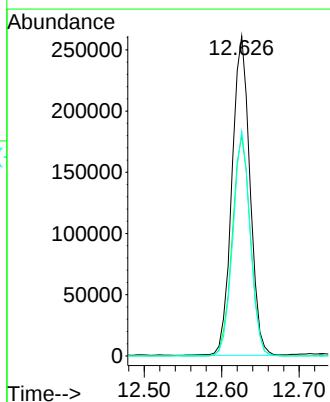
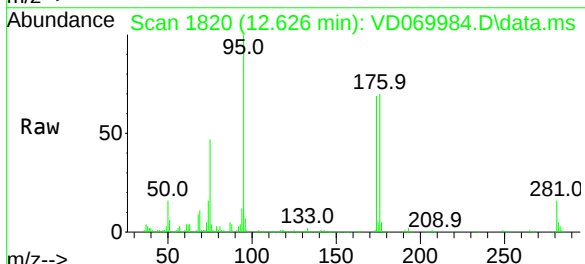
Instrument :
MSVOA_D
ClientSampled :

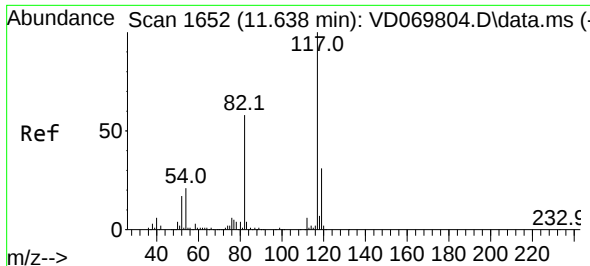
Tgt Ion: 63 Resp: 262
Ion Ratio Lower Upper
63 100
106 0.0 21.8 32.6#



#62
4-Bromofluorobenzene
Concen: 42.069 ug/l
RT: 12.626 min Scan# 1820
Delta R.T. -0.000 min
Lab File: VD069984.D
Acq: 04 Aug 2021 14:18

Tgt Ion: 95 Resp: 421795
Ion Ratio Lower Upper
95 100
174 69.4 0.0 142.6
176 67.7 0.0 134.2

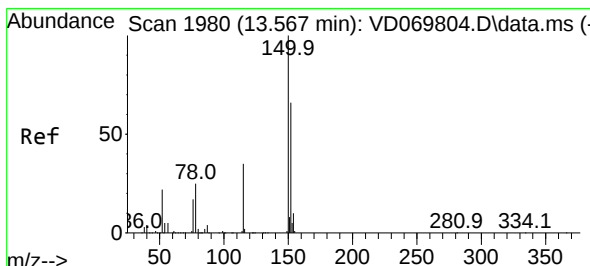
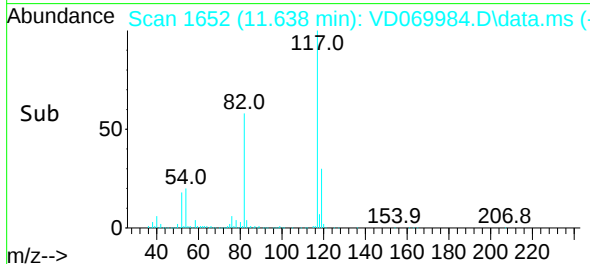
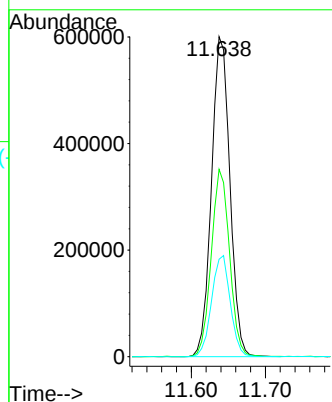
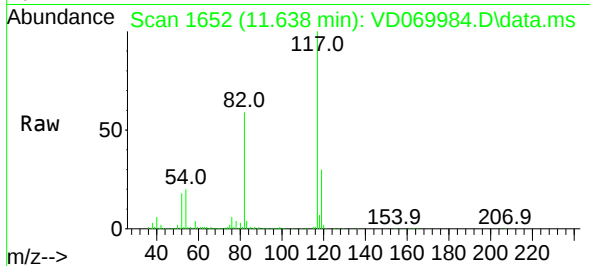




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.638 min Scan# 1652
Delta R.T. -0.000 min
Lab File: VD069984.D
Acq: 04 Aug 2021 14:18

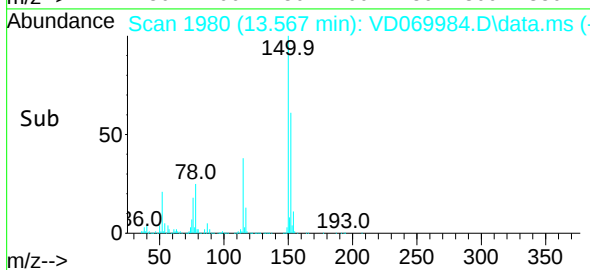
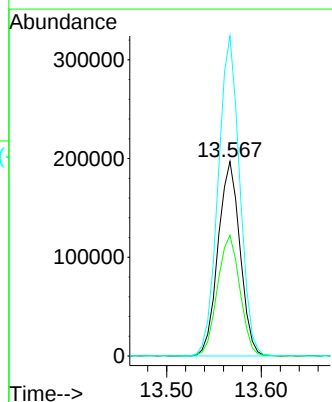
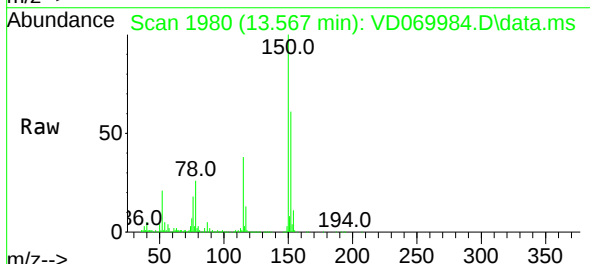
Instrument :
MSVOA_D
ClientSampleId :

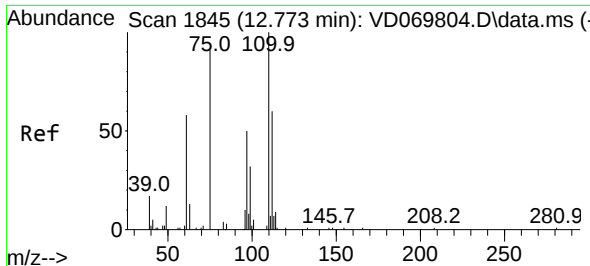
Tgt Ion:117 Resp: 1035425
Ion Ratio Lower Upper
117 100
82 58.5 46.3 69.5
119 30.5 24.7 37.1



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.567 min Scan# 1980
Delta R.T. -0.000 min
Lab File: VD069984.D
Acq: 04 Aug 2021 14:18

Tgt Ion:152 Resp: 317657
Ion Ratio Lower Upper
152 100
115 63.6 31.1 93.3
150 161.4 0.0 343.0

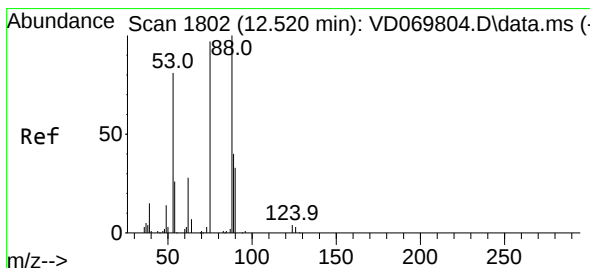
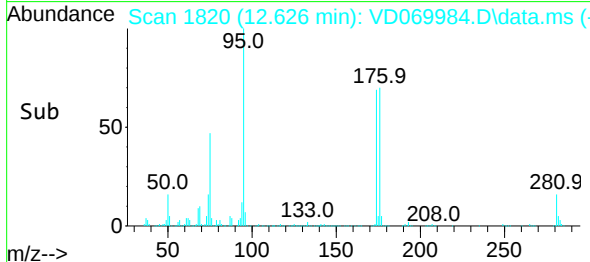
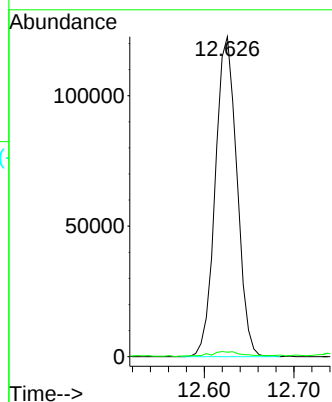
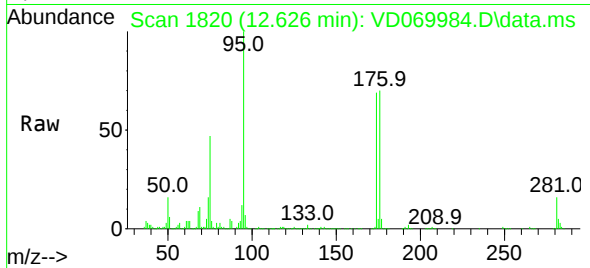




#76
1,2,3-Trichloropropane
Concen: 60.792 ug/l
RT: 12.626 min Scan# 1820
Delta R.T. -0.147 min
Lab File: VD069984.D
Acq: 04 Aug 2021 14:18

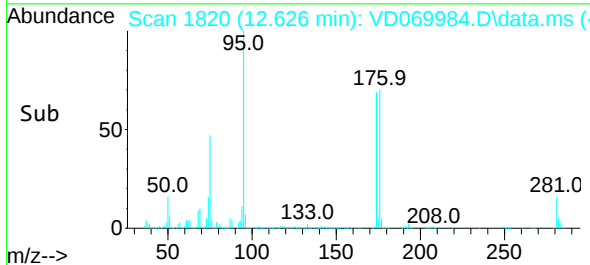
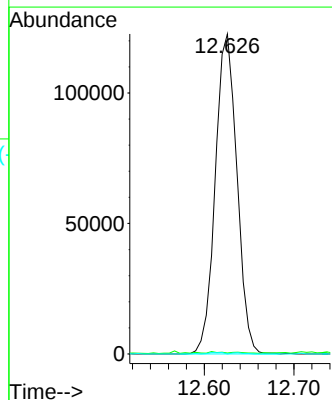
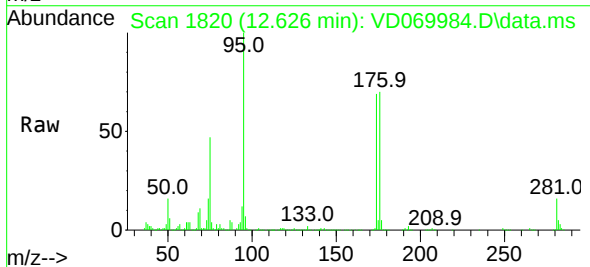
Instrument :
MSVOA_D
ClientSampleId :

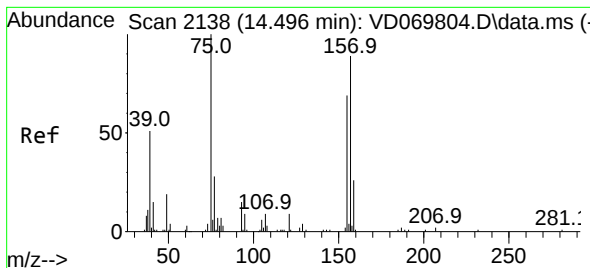
Tgt Ion: 75 Resp: 205263
Ion Ratio Lower Upper
75 100
77 2.5 181.5 544.5#



#81
trans-1,4-Dichloro-2-butene
Concen: 184.428 ug/l
RT: 12.626 min Scan# 1820
Delta R.T. 0.106 min
Lab File: VD069984.D
Acq: 04 Aug 2021 14:18

Tgt Ion: 75 Resp: 205263
Ion Ratio Lower Upper
75 100
53 0.2 67.2 100.8#
89 0.3 35.8 53.6#

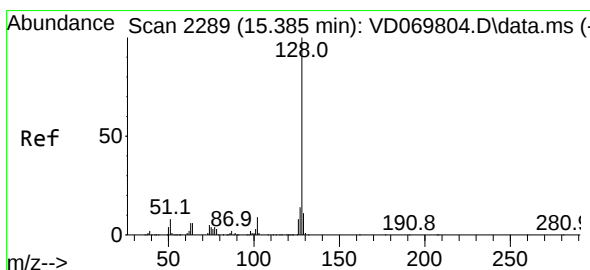
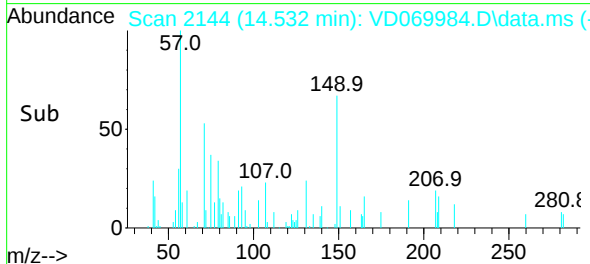
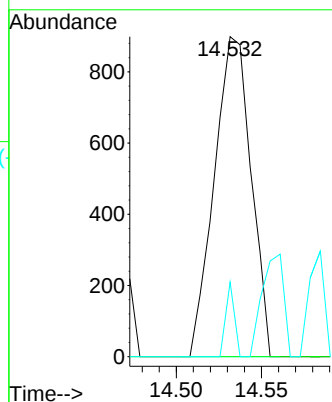
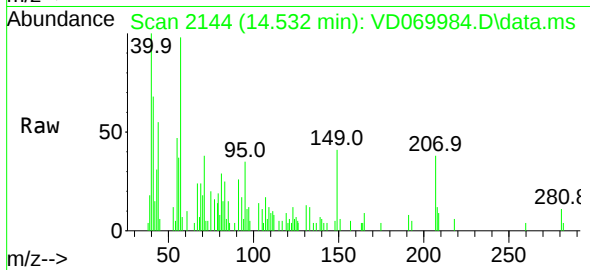




#92
1,2-Dibromo-3-Chloropropane
Concen: 2.057 ug/l
RT: 14.532 min Scan# 2144
Delta R.T. 0.035 min
Lab File: VD069984.D
Acq: 04 Aug 2021 14:18

Instrument :
MSVOA_D
ClientSampled :

Tgt Ion: 75 Resp: 1350
Ion Ratio Lower Upper
75 100
155 0.0 36.3 108.9#
157 5.5 47.0 141.0#



#95
Naphthalene
Concen: 5.285 ug/l
RT: 15.390 min Scan# 2290
Delta R.T. 0.005 min
Lab File: VD069984.D
Acq: 04 Aug 2021 14:18

Tgt Ion: 128 Resp: 3301
Ion Ratio Lower Upper
128 100
127 9.7 10.6 16.0#
129 2.4 8.6 12.8#

