

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD080421\
 Data File : VD069990.D
 Acq On : 04 Aug 2021 17:09
 Operator : VA/SY
 Sample : M3279-08
 Misc : 5.00G/5.00ml/MSVOA_D/soil
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :

Quant Time: Aug 05 03:12:28 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)

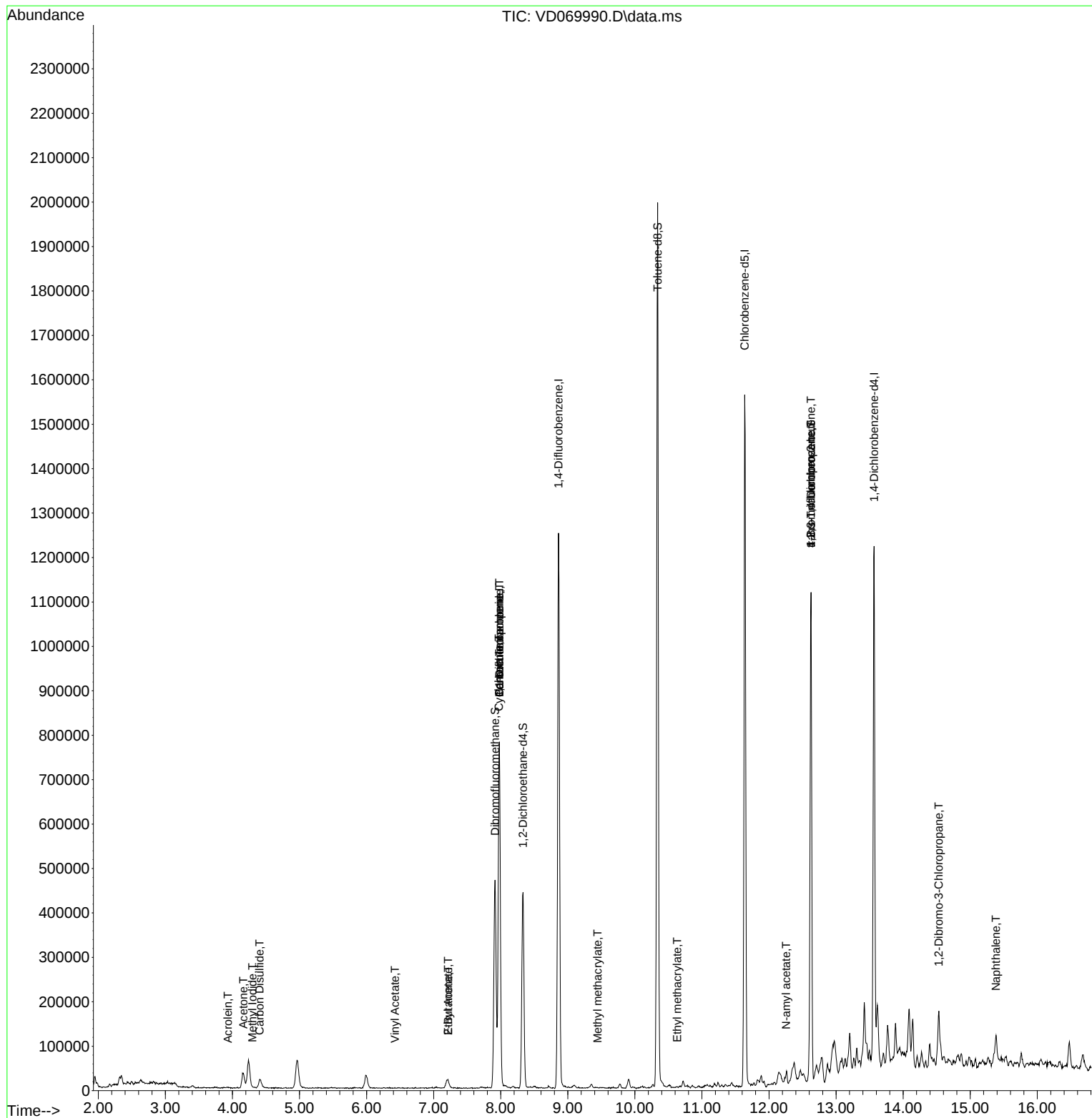
Internal Standards						
1) Pentafluorobenzene	7.979	168	547437	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.861	114	1060681	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.638	117	914110	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.567	152	309985	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.332	65	351810	55.878	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 111.760%			
35) Dibromofluoromethane	7.914	113	349158	52.218	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery = 104.440%			
50) Toluene-d8	10.338	98	1339783	51.964	ug/l	0.00
Spiked Amount 50.000	Range 49 - 140		Recovery = 103.920%			
62) 4-Bromofluorobenzene	12.626	95	374182	43.425	ug/l	0.00
Spiked Amount 50.000	Range 25 - 144		Recovery = 86.860%			
Target Compounds						Qvalue
5) Bromomethane	2.779	94	2162	Below Cal		84
10) Methyl Iodide	4.297	142	963	3.594 ug/l #		46
13) Acrolein	3.932	56	1474	3.232 ug/l #		69
16) Acetone	4.162	43	60762	53.424 ug/l		91
17) Carbon Disulfide	4.403	76	39623	1.769 ug/l		99
20) Methylene Chloride	4.968	84	51308	Below Cal		97
23) Vinyl Acetate	6.420	43	124	20.360 ug/l #		71
25) 2-Butanone	7.214	43	19470	12.623 ug/l		94
31) Cyclohexane	7.973	56	15129	1.230 ug/l #		7
36) 1,1-Dichloropropene	7.979	75	48066	4.199 ug/l #		50
37) Ethyl Acetate	7.214	43	19470	4.672 ug/l #		75
38) Carbon Tetrachloride	7.979	117	60716	5.807 ug/l #		16
48) Methyl methacrylate	9.444	41	130	2.778 ug/l #		55
56) Ethyl methacrylate	10.632	69	547	3.963 ug/l #		20
74) N-amyl acetate	12.255	43	7031	1.535 ug/l #		64
76) 1,2,3-Trichloropropane	12.626	75	184303	55.936 ug/l #		1
81) trans-1,4-Dichloro-2-b...	12.626	75	184303	169.694 ug/l #		16
92) 1,2-Dibromo-3-Chloropr...	14.532	75	31271	48.823 ug/l #		7
95) Naphthalene	15.385	128	58915	10.232 ug/l		96

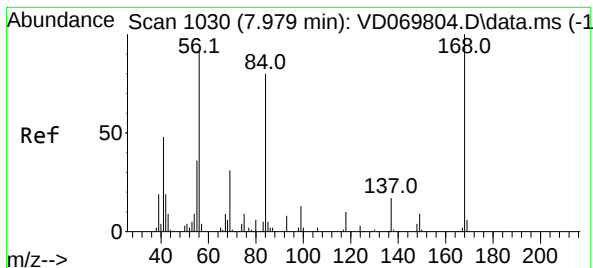
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : SW846 8260
QLast Update : Fri Jul 23 04:51:13 2021
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: VD069990.D

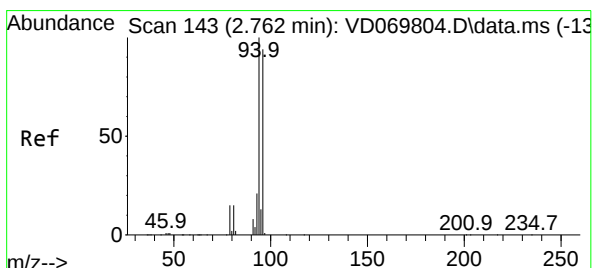
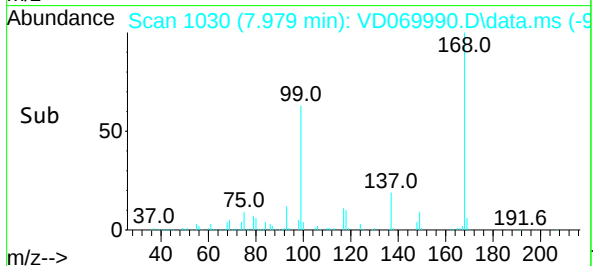
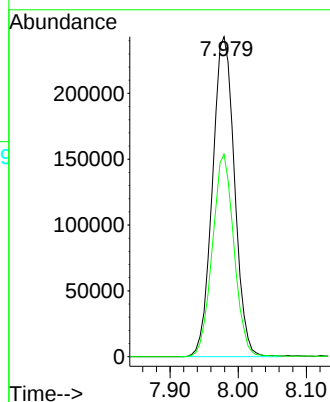
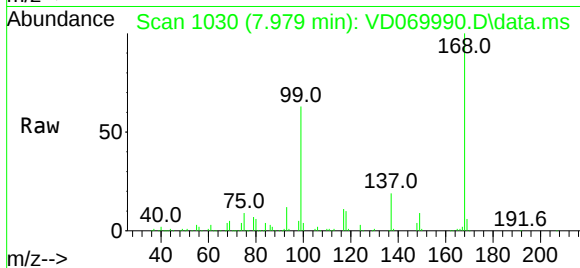
Acq: 04 Aug 2021 17:09

Tgt Ion:168 Resp: 547437

Ion Ratio Lower Upper

168 100

99 63.3 51.1 76.7



#5

Bromomethane

Concen: Below Cal

RT: 2.779 min Scan# 146

Delta R.T. 0.017 min

Lab File: VD069990.D

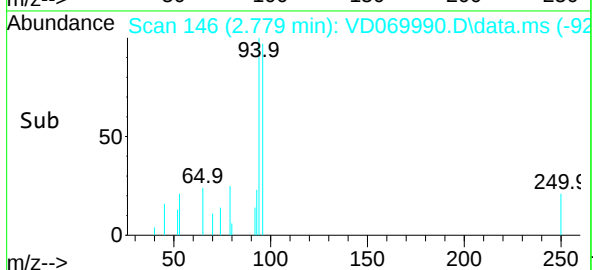
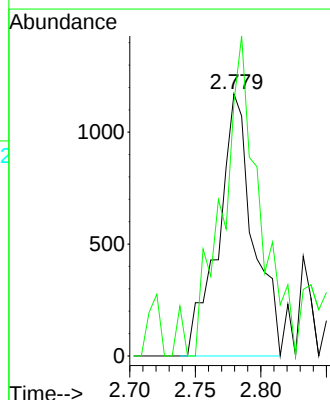
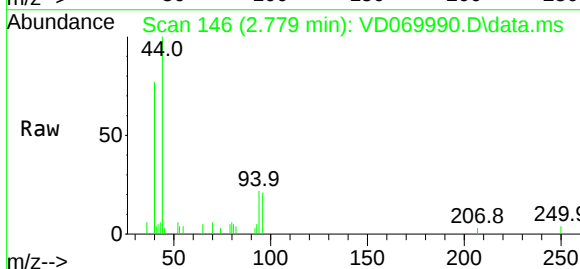
Acq: 04 Aug 2021 17:09

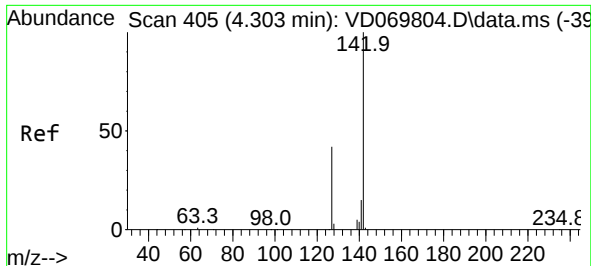
Tgt Ion: 94 Resp: 2162

Ion Ratio Lower Upper

94 100

96 77.7 74.8 112.2

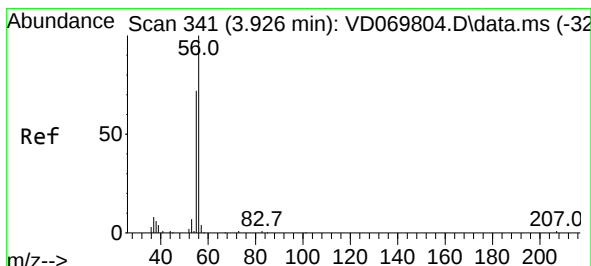
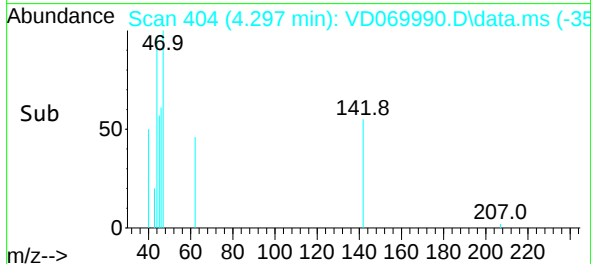
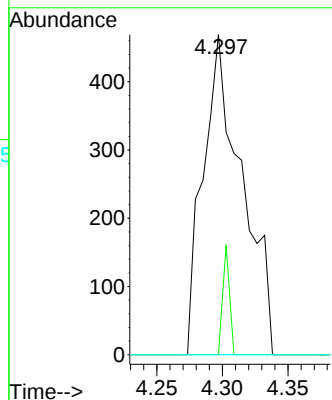
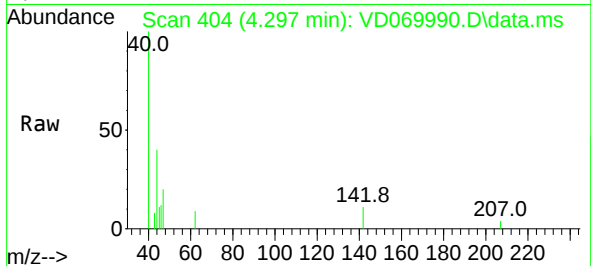




#10
Methyl Iodide
Concen: 3.594 ug/l
RT: 4.297 min Scan# 404
Delta R.T. -0.006 min
Lab File: VD069990.D
Acq: 04 Aug 2021 17:09

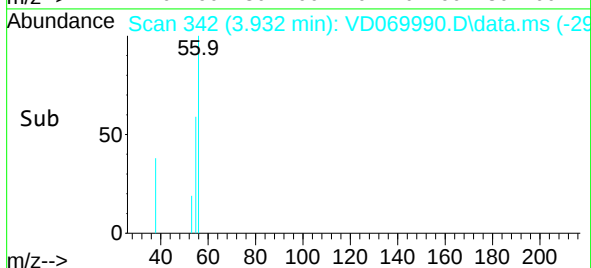
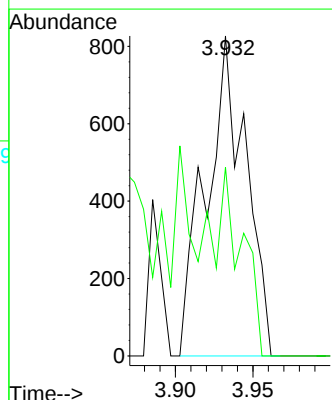
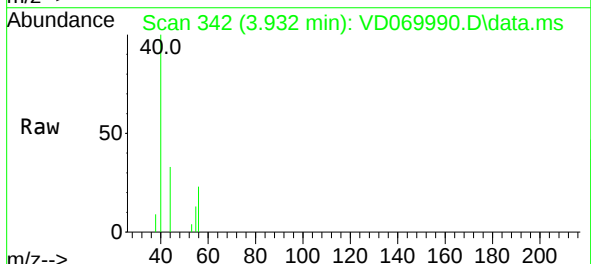
Instrument :
MSVOA_D
ClientSampled :

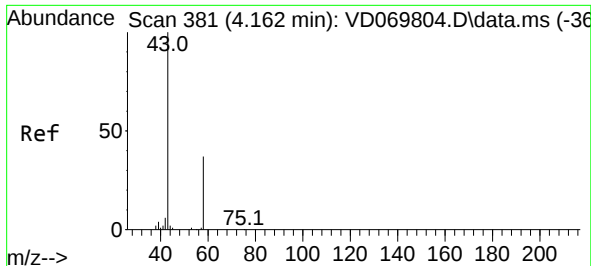
Tgt Ion:142 Resp: 963
Ion Ratio Lower Upper
142 100
127 5.9 35.7 53.5#
141 0.0 12.0 18.0#



#13
Acrolein
Concen: 3.232 ug/l
RT: 3.932 min Scan# 342
Delta R.T. 0.006 min
Lab File: VD069990.D
Acq: 04 Aug 2021 17:09

Tgt Ion: 56 Resp: 1474
Ion Ratio Lower Upper
56 100
55 45.4 57.2 85.8#

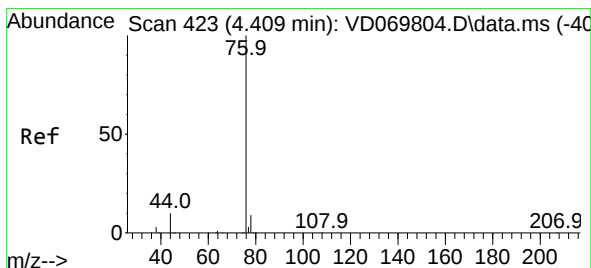
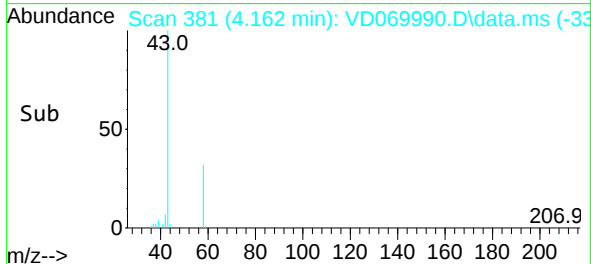
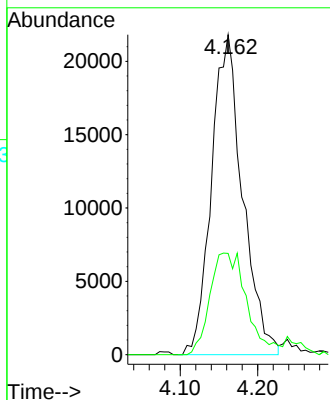
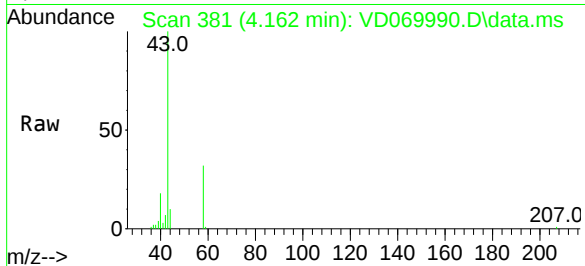




#16
Acetone
Concen: 53.424 ug/l
RT: 4.162 min Scan# 381
Delta R.T. 0.000 min
Lab File: VD069990.D
Acq: 04 Aug 2021 17:09

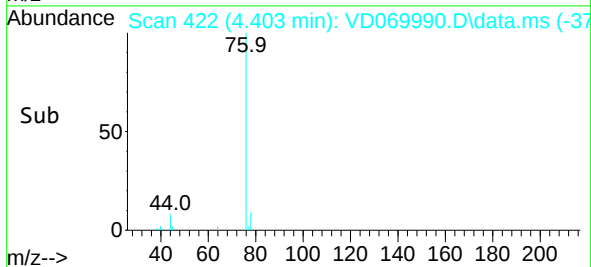
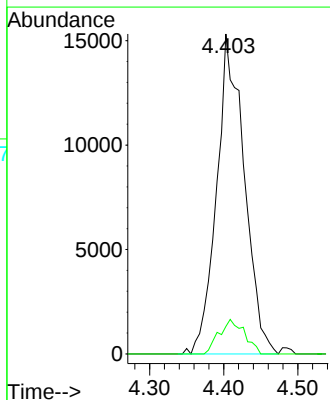
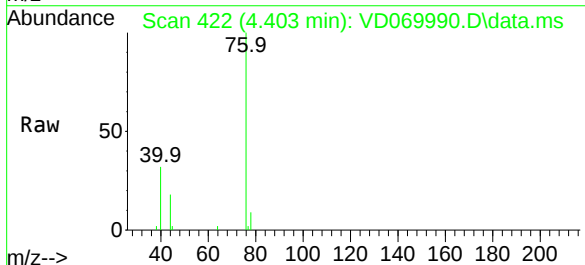
Instrument :
MSVOA_D
ClientSampled :

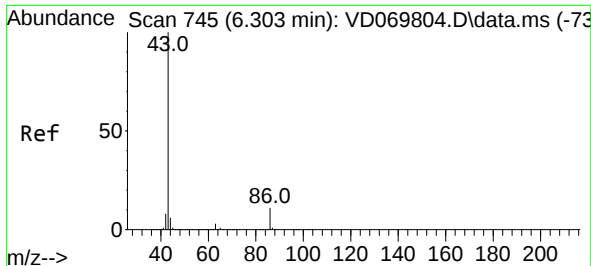
Tgt Ion: 43 Resp: 60762
Ion Ratio Lower Upper
43 100
58 31.7 29.4 44.0



#17
Carbon Disulfide
Concen: 1.769 ug/l
RT: 4.403 min Scan# 422
Delta R.T. -0.006 min
Lab File: VD069990.D
Acq: 04 Aug 2021 17:09

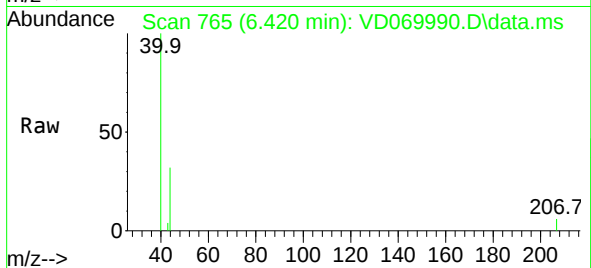
Tgt Ion: 76 Resp: 39623
Ion Ratio Lower Upper
76 100
78 8.6 7.3 10.9



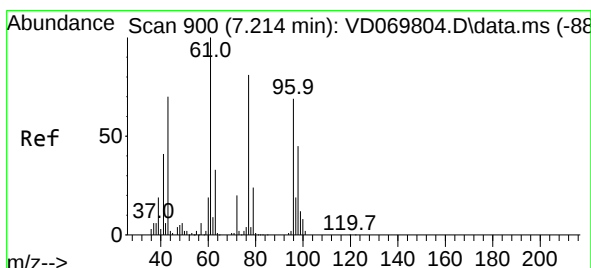
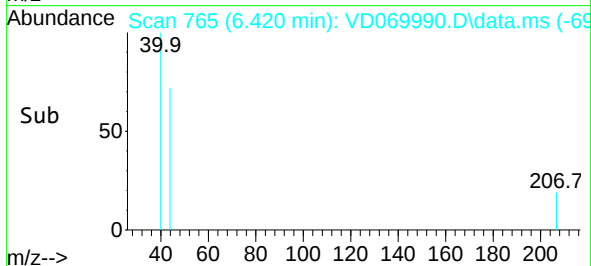
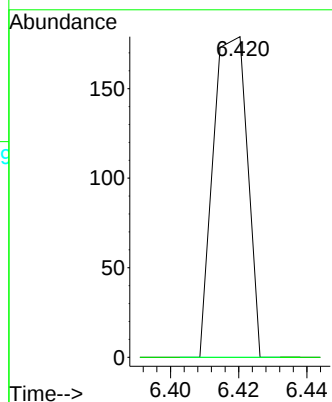


#23
 Vinyl Acetate
 Concen: 20.360 ug/l
 RT: 6.420 min Scan# 765
 Delta R.T. 0.117 min
 Lab File: VD069990.D
 Acq: 04 Aug 2021 17:09

Instrument :
 MSVOA_D
 ClientSampled :

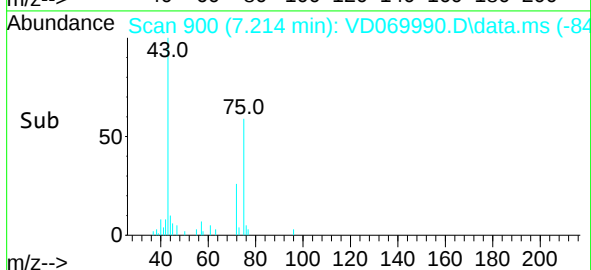
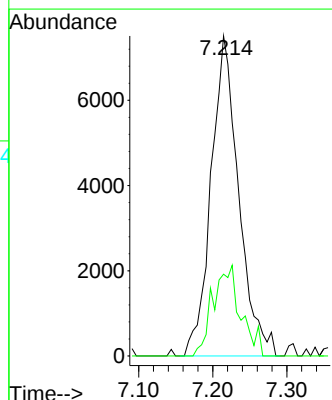
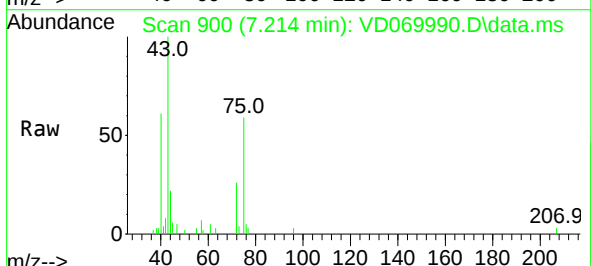


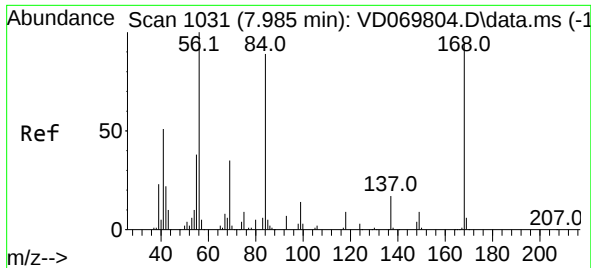
Tgt Ion: 43 Resp: 124
 Ion Ratio Lower Upper
 43 100
 86 0.0 8.6 13.0#



#25
 2-Butanone
 Concen: 12.623 ug/l
 RT: 7.214 min Scan# 900
 Delta R.T. 0.000 min
 Lab File: VD069990.D
 Acq: 04 Aug 2021 17:09

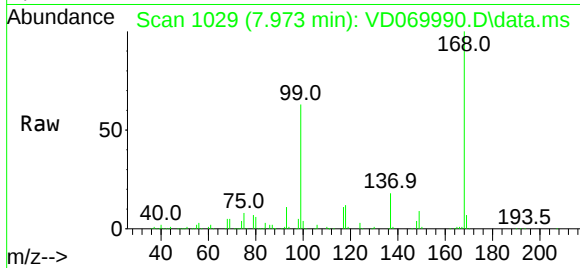
Tgt Ion: 43 Resp: 19470
 Ion Ratio Lower Upper
 43 100
 72 25.5 22.8 34.2



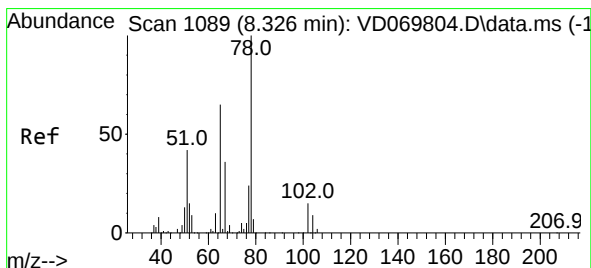
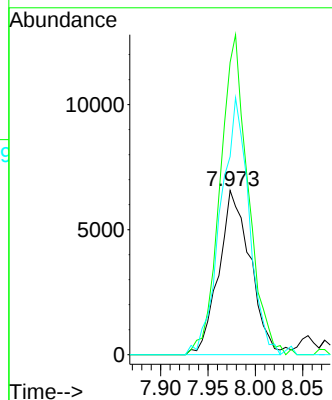
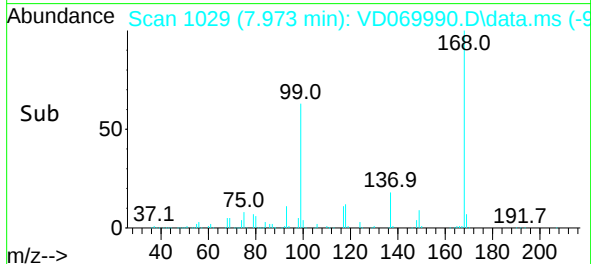


#31
Cyclohexane
Concen: 1.230 ug/l
RT: 7.973 min Scan# 1029
Delta R.T. -0.012 min
Lab File: VD069990.D
Acq: 04 Aug 2021 17:09

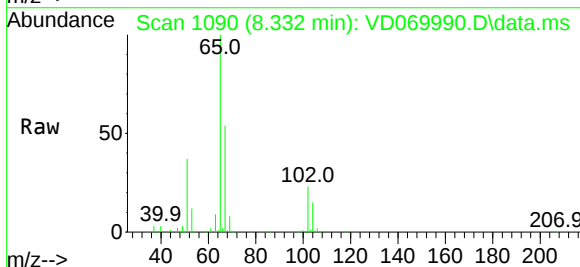
Instrument :
MSVOA_D
ClientSampled :



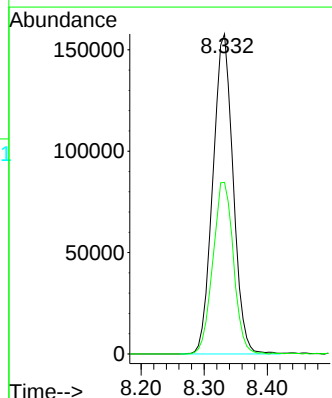
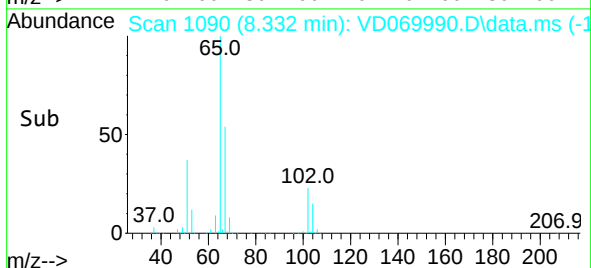
Tgt Ion: 56 Resp: 15129
Ion Ratio Lower Upper
56 100
69 178.2 27.9 41.9#
84 120.7 71.4 107.2#

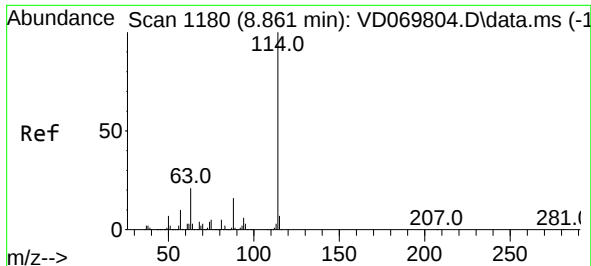


#33
1,2-Dichloroethane-d4
Concen: 55.878 ug/l
RT: 8.332 min Scan# 1090
Delta R.T. 0.006 min
Lab File: VD069990.D
Acq: 04 Aug 2021 17:09



Tgt Ion: 65 Resp: 351810
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

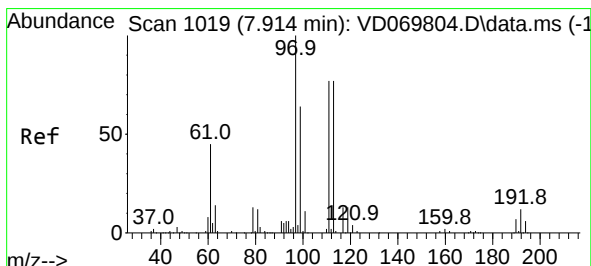
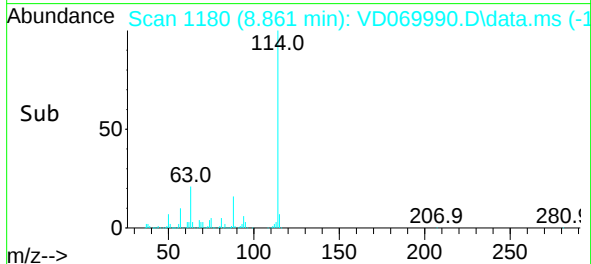
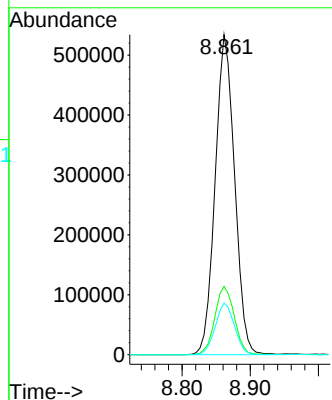
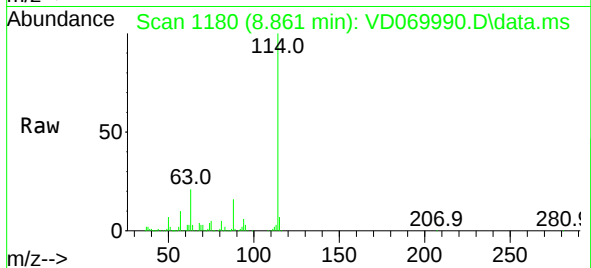
Delta R.T. 0.000 min

Lab File: VD069990.D

Acq: 04 Aug 2021 17:09

Tgt Ion:114 Resp: 1060681

Ion	Ratio	Lower	Upper
114	100		
63	21.4	0.0	41.6
88	16.1	0.0	31.4



#35

Dibromofluoromethane

Concen: 52.218 ug/l

RT: 7.914 min Scan# 1019

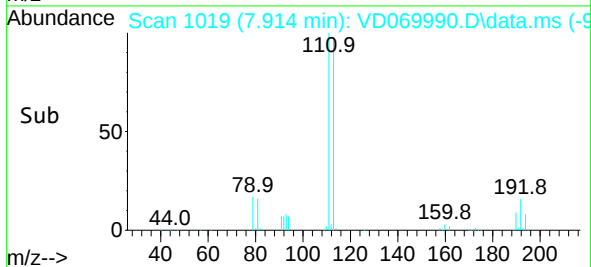
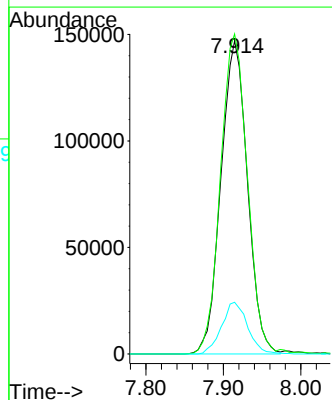
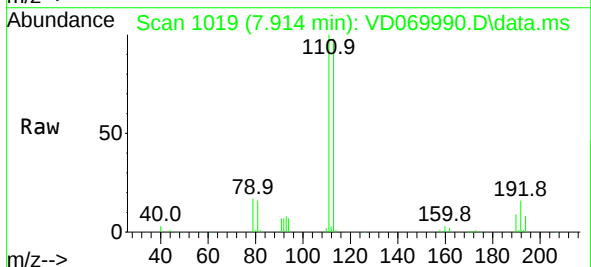
Delta R.T. 0.000 min

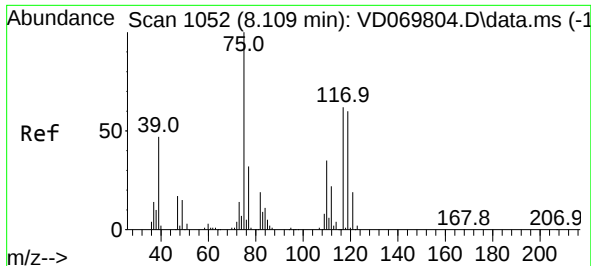
Lab File: VD069990.D

Acq: 04 Aug 2021 17:09

Tgt Ion:113 Resp: 349158

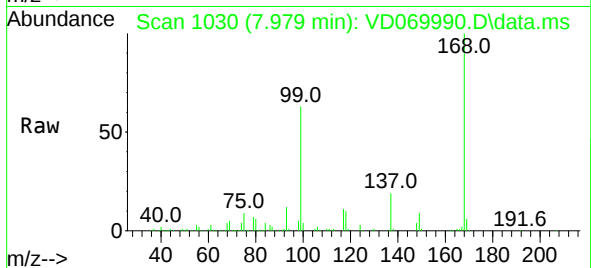
Ion	Ratio	Lower	Upper
113	100		
111	103.7	80.5	120.7
192	16.3	12.6	19.0



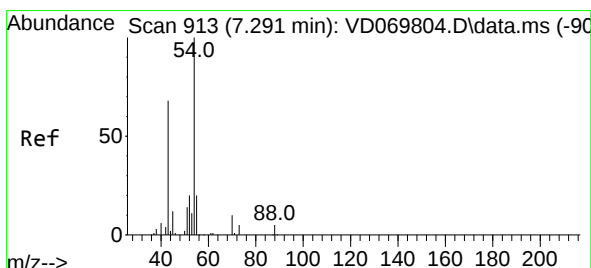
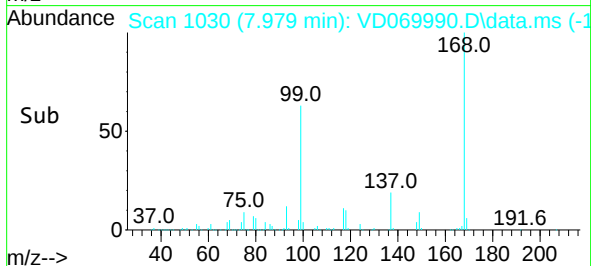
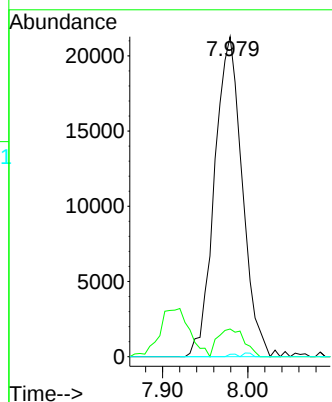


#36
1,1-Dichloropropene
Concen: 4.199 ug/l
RT: 7.979 min Scan# 1030
Delta R.T. -0.129 min
Lab File: VD069990.D
Acq: 04 Aug 2021 17:09

Instrument :
MSVOA_D
ClientSampled :

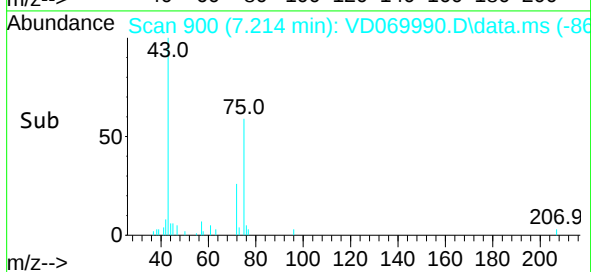
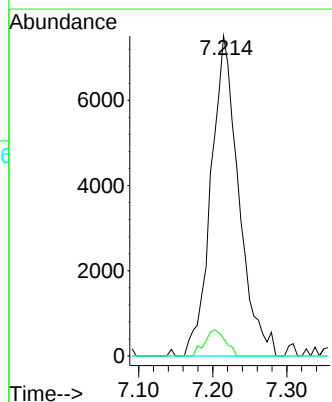
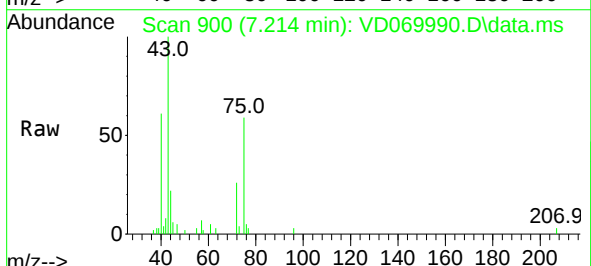


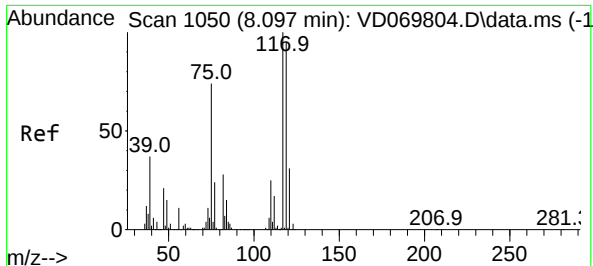
Tgt Ion: 75 Resp: 48066
Ion Ratio Lower Upper
75 100
110 8.3 16.9 50.7#
77 0.2 24.9 37.3#



#37
Ethyl Acetate
Concen: 4.672 ug/l
RT: 7.214 min Scan# 900
Delta R.T. -0.076 min
Lab File: VD069990.D
Acq: 04 Aug 2021 17:09

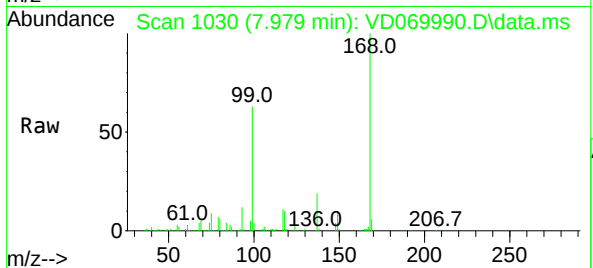
Tgt Ion: 43 Resp: 19470
Ion Ratio Lower Upper
43 100
61 6.1 11.8 17.8#
70 0.0 8.9 13.3#



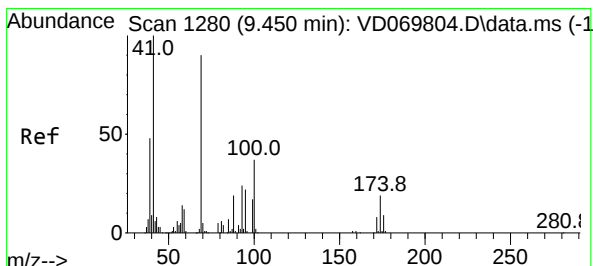
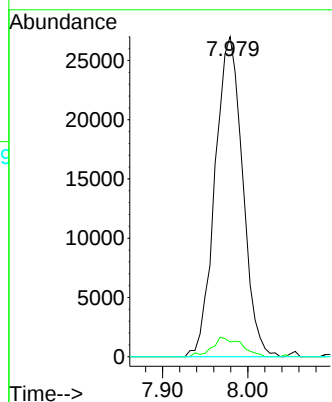
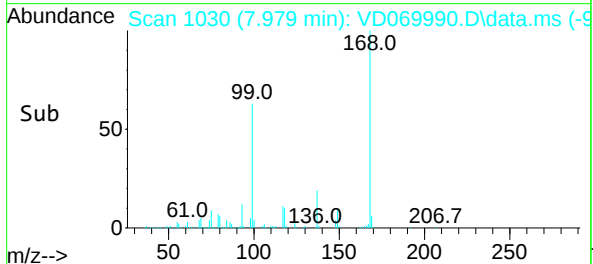


#38
Carbon Tetrachloride
Concen: 5.807 ug/l
RT: 7.979 min Scan# 1030
Delta R.T. -0.118 min
Lab File: VD069990.D
Acq: 04 Aug 2021 17:09

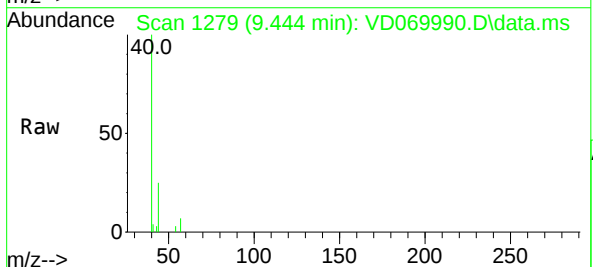
Instrument :
MSVOA_D
ClientSampled :



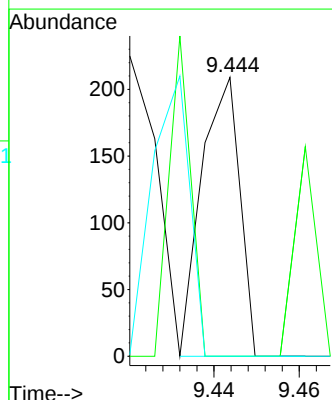
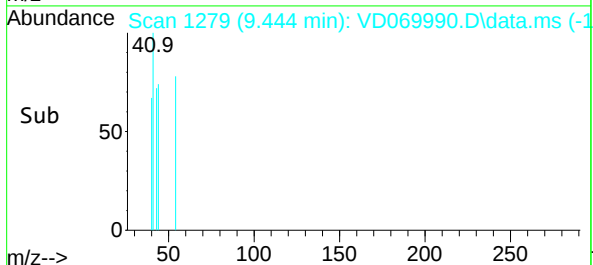
Tgt Ion:117 Resp: 60716
Ion Ratio Lower Upper
117 100
119 4.6 76.2 114.2#
121 0.0 24.5 36.7#

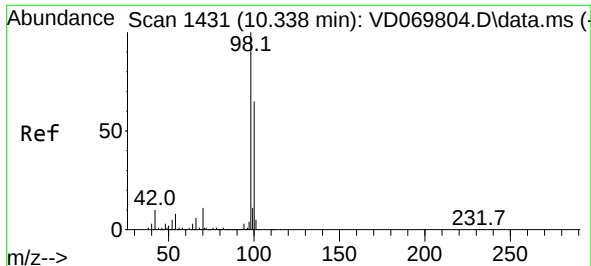


#48
Methyl methacrylate
Concen: 2.778 ug/l
RT: 9.444 min Scan# 1279
Delta R.T. -0.006 min
Lab File: VD069990.D
Acq: 04 Aug 2021 17:09



Tgt Ion: 41 Resp: 130
Ion Ratio Lower Upper
41 100
69 65.4 73.4 110.2#
39 98.5 36.6 55.0#

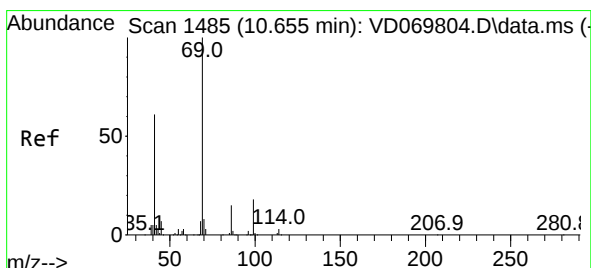
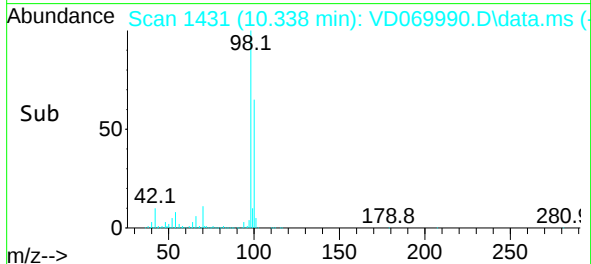
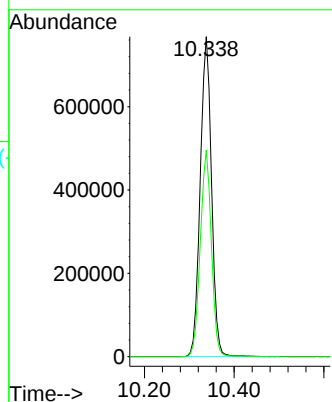
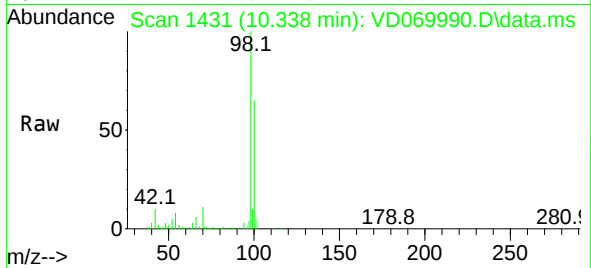




#50
Toluene-d8
Concen: 51.964 ug/l
RT: 10.338 min Scan# 1431
Delta R.T. 0.000 min
Lab File: VD069990.D
Acq: 04 Aug 2021 17:09

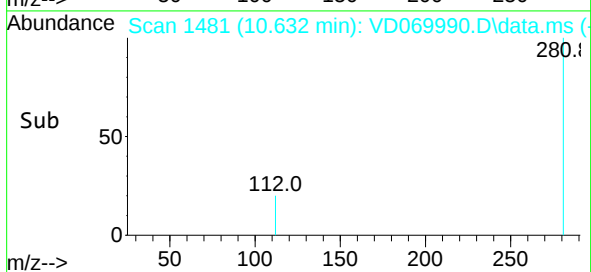
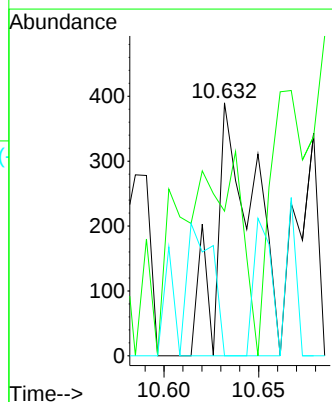
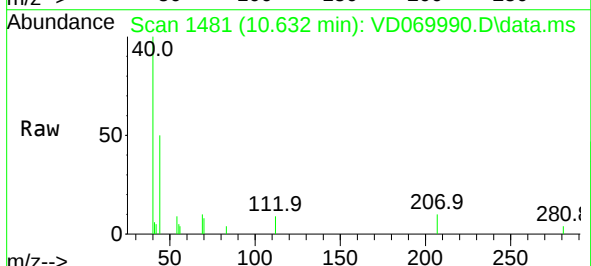
Instrument :
MSVOA_D
ClientSampleId :

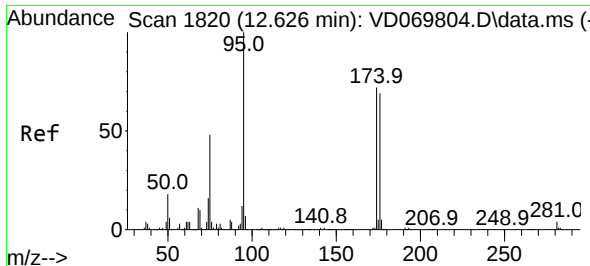
Tgt Ion: 98 Resp: 1339783
Ion Ratio Lower Upper
98 100
100 63.6 51.9 77.9



#56
Ethyl methacrylate
Concen: 3.963 ug/l
RT: 10.632 min Scan# 1481
Delta R.T. -0.023 min
Lab File: VD069990.D
Acq: 04 Aug 2021 17:09

Tgt Ion: 69 Resp: 547
Ion Ratio Lower Upper
69 100
41 134.2 50.2 75.2#
39 0.0 22.0 33.0#

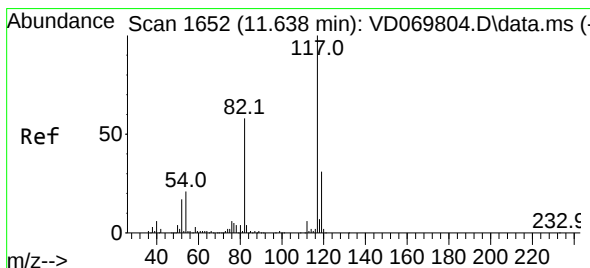
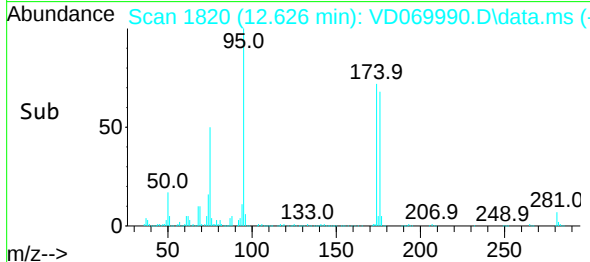
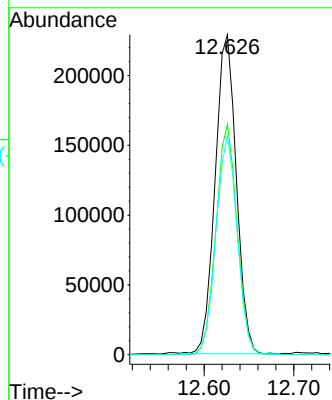
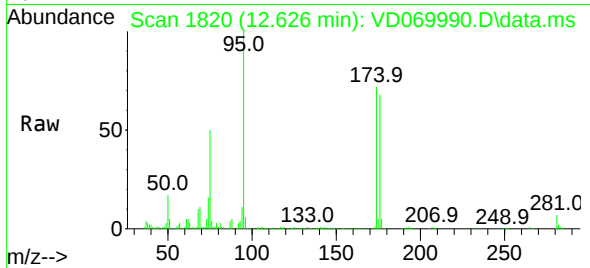




#62
4-Bromofluorobenzene
Concen: 43.425 ug/l
RT: 12.626 min Scan# 1820
Delta R.T. 0.000 min
Lab File: VD069990.D
Acq: 04 Aug 2021 17:09

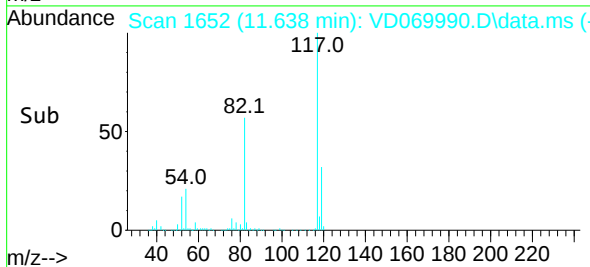
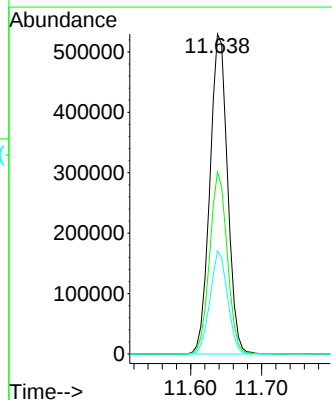
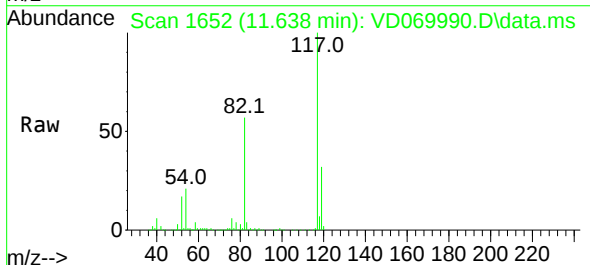
Instrument :
MSVOA_D
ClientSampleId :

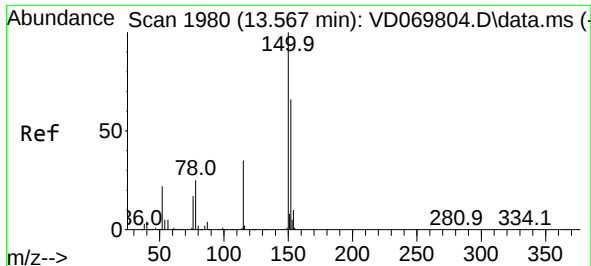
Tgt Ion: 95 Resp: 374182
Ion Ratio Lower Upper
95 100
174 72.3 0.0 142.6
176 68.7 0.0 134.2



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.638 min Scan# 1652
Delta R.T. 0.000 min
Lab File: VD069990.D
Acq: 04 Aug 2021 17:09

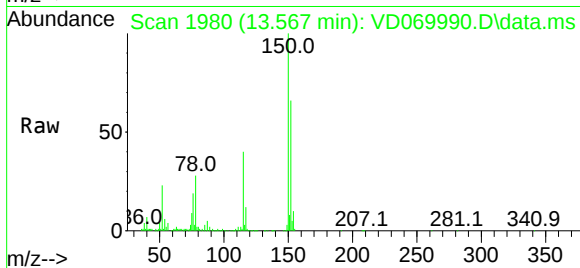
Tgt Ion: 117 Resp: 914110
Ion Ratio Lower Upper
117 100
82 56.9 46.3 69.5
119 32.2 24.7 37.1



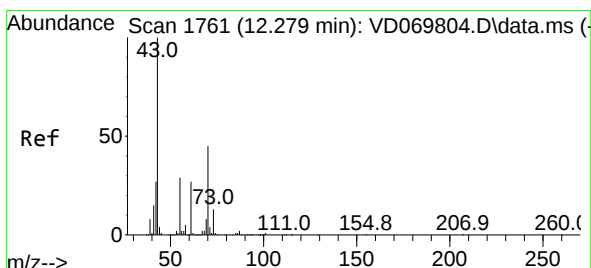
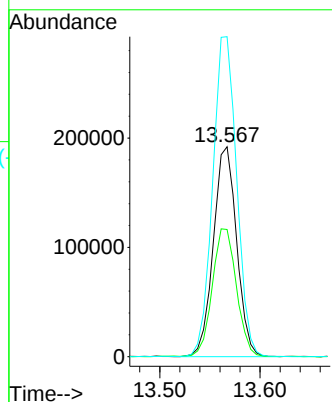
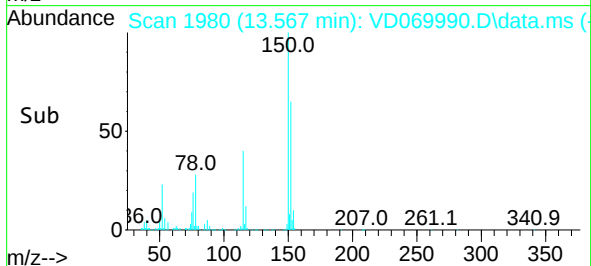


#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.567 min Scan# 1980
Delta R.T. -0.000 min
Lab File: VD069990.D
Acq: 04 Aug 2021 17:09

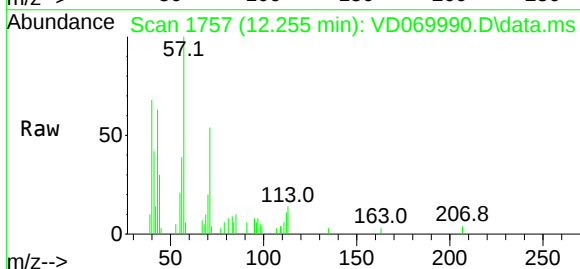
Instrument :
MSVOA_D
ClientSampled :



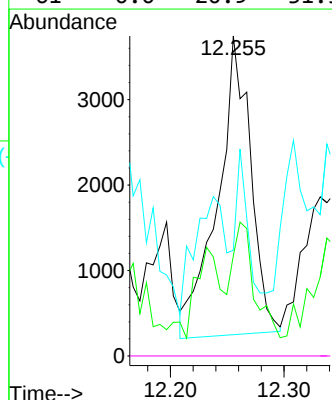
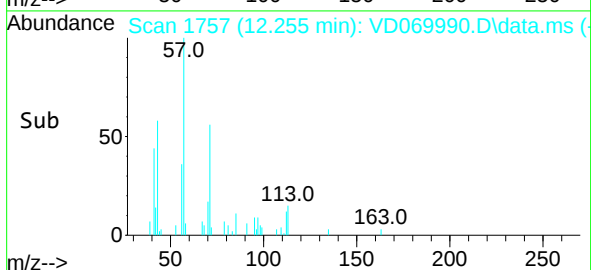
Tgt Ion:152 Resp: 309985
Ion Ratio Lower Upper
152 100
115 63.3 31.1 93.3
150 156.7 0.0 343.0

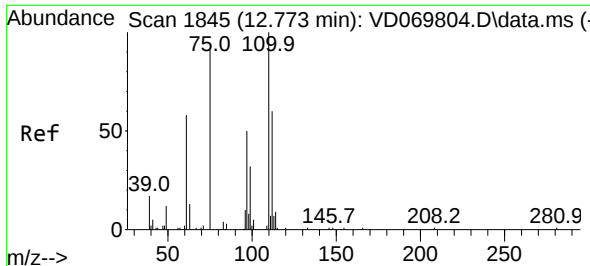


#74
N-ethyl acetate
Concen: 1.535 ug/l
RT: 12.255 min Scan# 1757
Delta R.T. -0.024 min
Lab File: VD069990.D
Acq: 04 Aug 2021 17:09



Tgt Ion: 43 Resp: 7031
Ion Ratio Lower Upper
43 100
70 24.7 37.9 56.9#
55 16.0 23.7 35.5#
61 0.0 20.9 31.3#

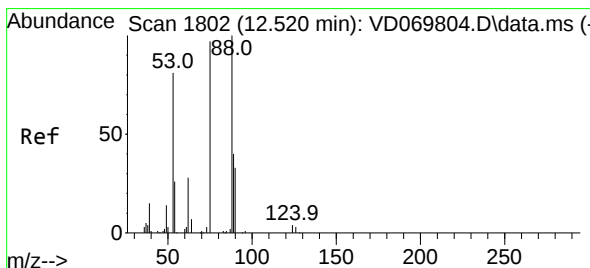
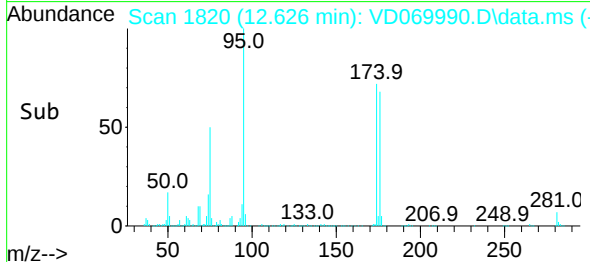
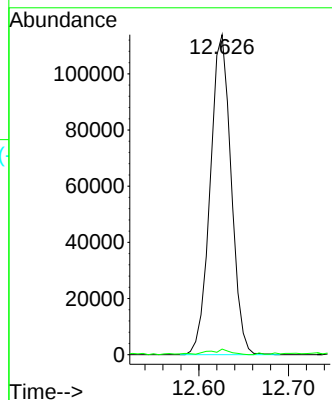
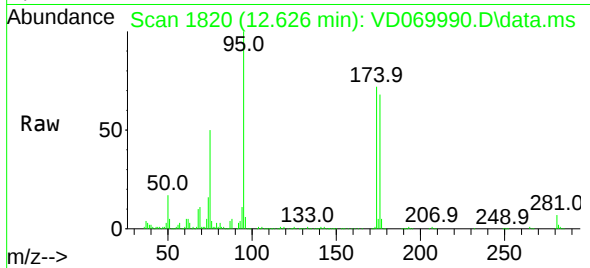




#76
1,2,3-Trichloropropane
Concen: 55.936 ug/l
RT: 12.626 min Scan# 1820
Delta R.T. -0.147 min
Lab File: VD069990.D
Acq: 04 Aug 2021 17:09

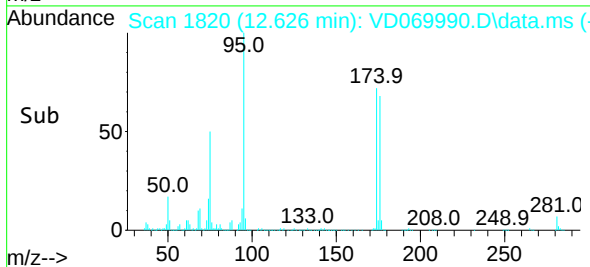
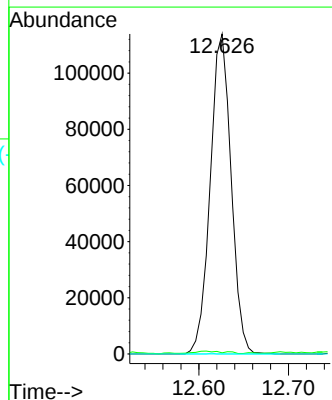
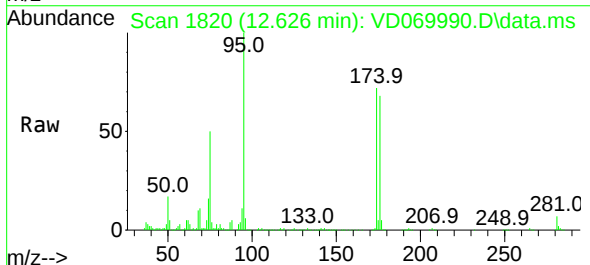
Instrument :
MSVOA_D
ClientSampleId :

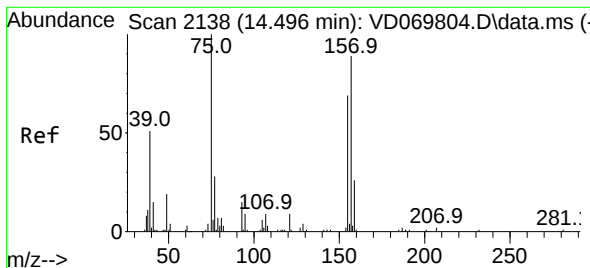
Tgt Ion: 75 Resp: 184303
Ion Ratio Lower Upper
75 100
77 1.9 181.5 544.5#



#81
trans-1,4-Dichloro-2-butene
Concen: 169.694 ug/l
RT: 12.626 min Scan# 1820
Delta R.T. 0.106 min
Lab File: VD069990.D
Acq: 04 Aug 2021 17:09

Tgt Ion: 75 Resp: 184303
Ion Ratio Lower Upper
75 100
53 0.7 67.2 100.8#
89 0.1 35.8 53.6#

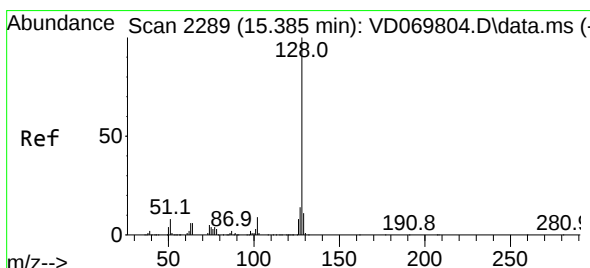
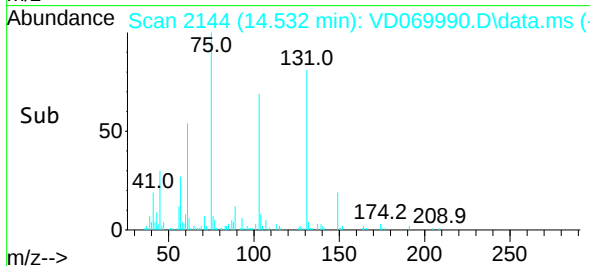
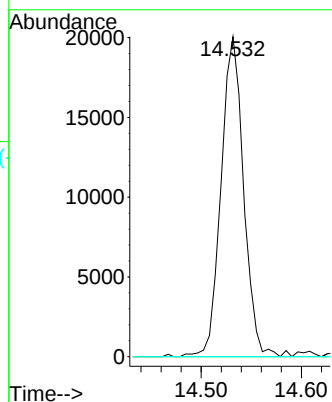
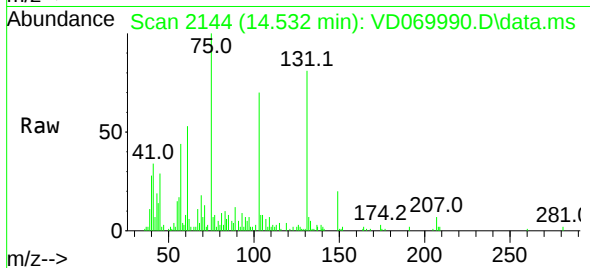




#92
1,2-Dibromo-3-Chloropropane
Concen: 48.823 ug/l
RT: 14.532 min Scan# 2144
Delta R.T. 0.035 min
Lab File: VD069990.D
Acq: 04 Aug 2021 17:09

Instrument :
MSVOA_D
ClientSampled :

Tgt Ion: 75 Resp: 31271
Ion Ratio Lower Upper
75 100
155 0.0 36.3 108.9#
157 0.0 47.0 141.0#



#95
Naphthalene
Concen: 10.232 ug/l
RT: 15.385 min Scan# 2289
Delta R.T. -0.000 min
Lab File: VD069990.D
Acq: 04 Aug 2021 17:09

Tgt Ion: 128 Resp: 58915
Ion Ratio Lower Upper
128 100
127 15.2 10.6 16.0
129 11.9 8.6 12.8

