

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD102221\
 Data File : VD070818.D
 Acq On : 22 Oct 2021 11:57
 Operator : VA/SY
 Sample : M4297-01RE
 Misc : 5.09G/5.00ml/MSVOA_D/SOIL
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :

Quant Time: Oct 23 04:10:09 2021
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D101521S.M
 Quant Title : SW846 8260
 QLast Update : Mon Oct 18 08:32:03 2021
 Response via : Initial Calibration

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

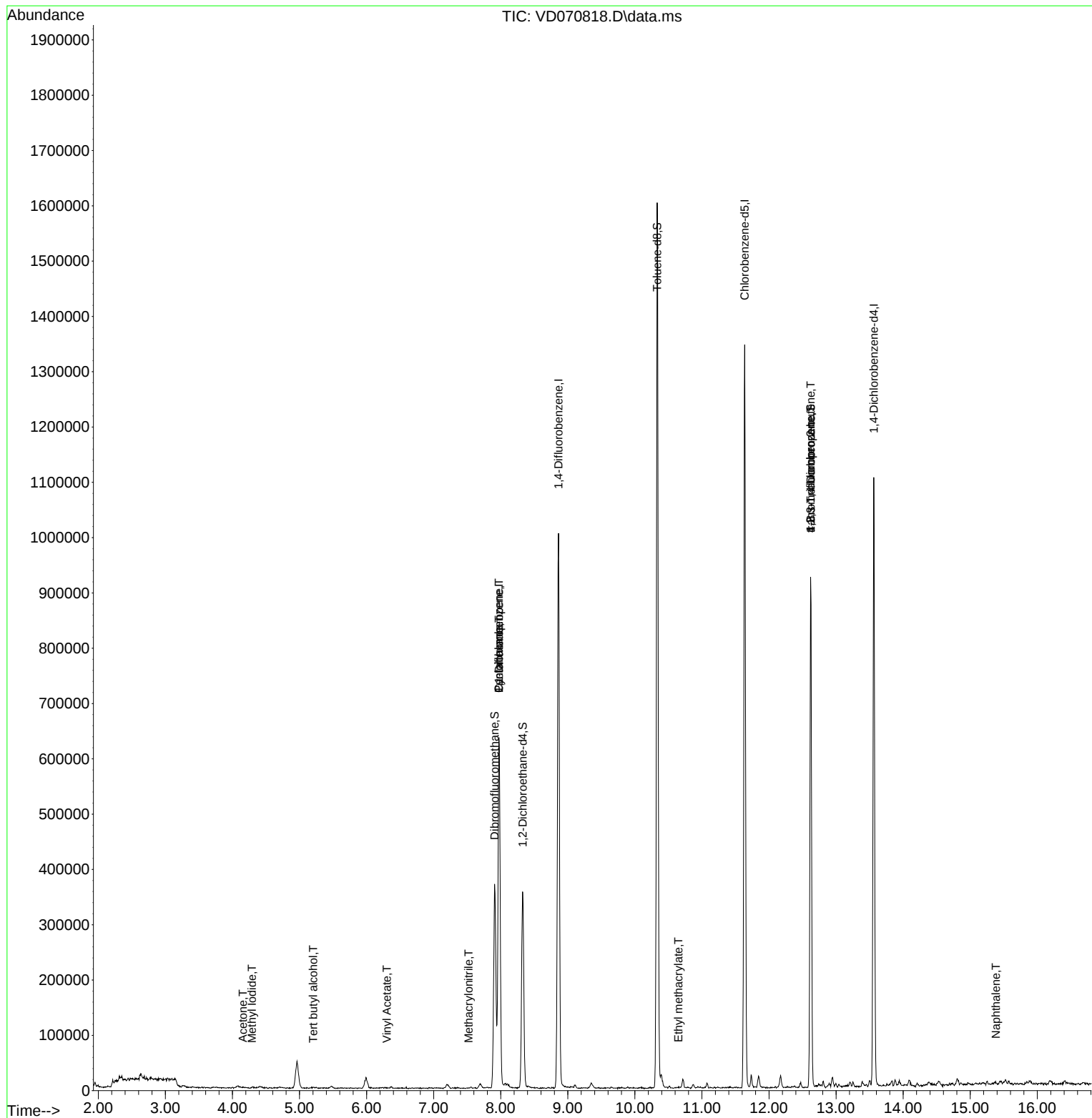
Internal Standards						
1) Pentafluorobenzene	7.973	168	440996	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.861	114	796344	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.638	117	729177	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.561	152	266649	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.326	65	289040	55.337	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 110.680%			
35) Dibromofluoromethane	7.908	113	262279	51.437	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery = 102.880%			
50) Toluene-d8	10.332	98	1036443	53.025	ug/l	0.00
Spiked Amount 50.000	Range 49 - 140		Recovery = 106.040%			
62) 4-Bromofluorobenzene	12.620	95	311472	46.278	ug/l	0.00
Spiked Amount 50.000	Range 25 - 144		Recovery = 92.560%			
Target Compounds						
					Qvalue	
10) Methyl Iodide	4.291	142	750	3.447	ug/l #	1
11) Tert butyl alcohol	5.203	59	1132	3.871	ug/l #	96
16) Acetone	4.156	43	3370	2.675	ug/l #	79
20) Methylene Chloride	4.962	84	33253	Below Cal	#	82
23) Vinyl Acetate	6.303	43	95	16.338	ug/l #	69
31) Cyclohexane	7.973	56	14070	1.331	ug/l #	12
36) 1,1-Dichloropropene	7.973	75	42317	4.770	ug/l #	42
41) Methacrylonitrile	7.520	41	126	1.996	ug/l #	36
56) Ethyl methacrylate	10.650	69	155	4.179	ug/l #	32
76) 1,2,3-Trichloropropane	12.620	75	161860	70.260	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.620	75	161860	153.890	ug/l #	17
95) Naphthalene	15.385	128	4004	5.212	ug/l #	88

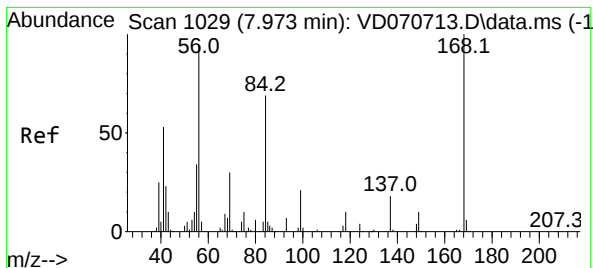
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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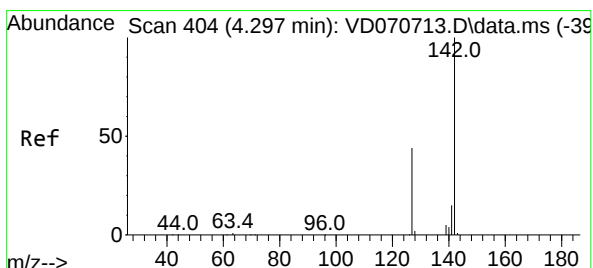
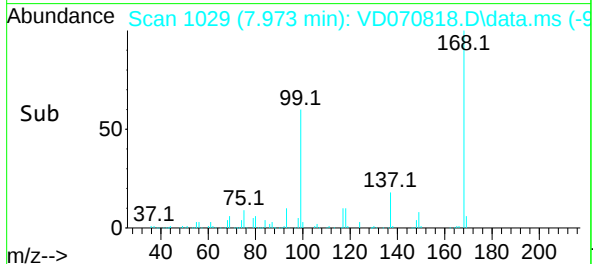
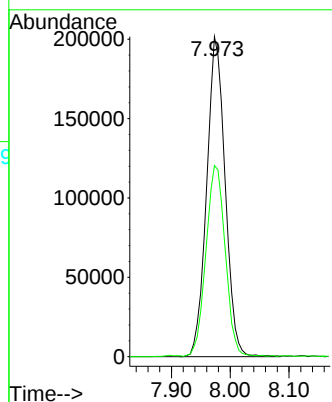
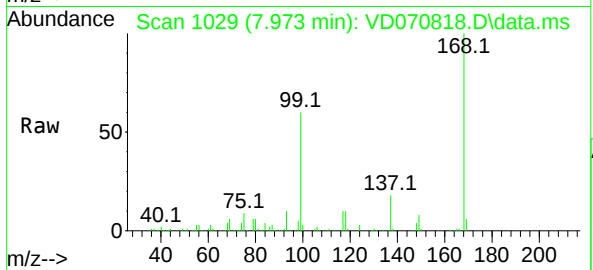




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.973 min Scan# 1029
Delta R.T. 0.000 min
Lab File: VD070818.D
Acq: 22 Oct 2021 11:57

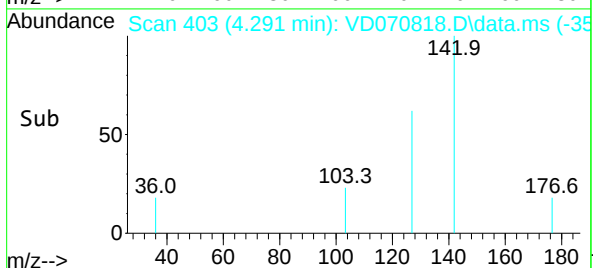
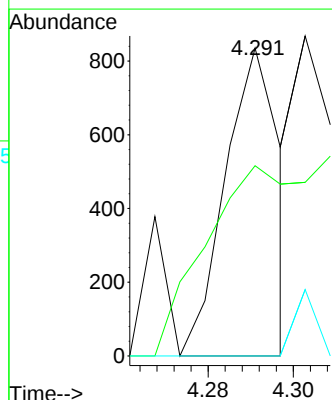
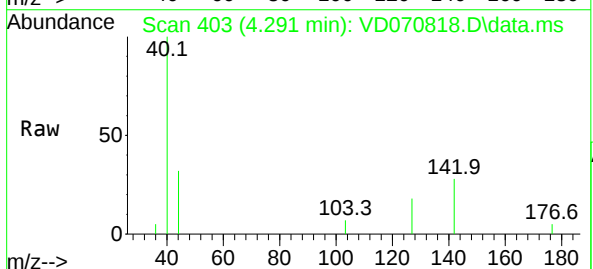
Instrument :
MSVOA_D
ClientSampleId :

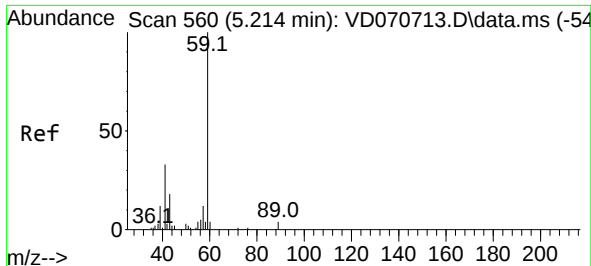
Tgt Ion:168 Resp: 440996
Ion Ratio Lower Upper
168 100
99 59.5 51.4 77.0



#10
Methyl Iodide
Concen: 3.447 ug/l
RT: 4.291 min Scan# 403
Delta R.T. -0.006 min
Lab File: VD070818.D
Acq: 22 Oct 2021 11:57

Tgt Ion:142 Resp: 750
Ion Ratio Lower Upper
142 100
127 207.1 37.5 56.3#
141 8.5 12.1 18.1#

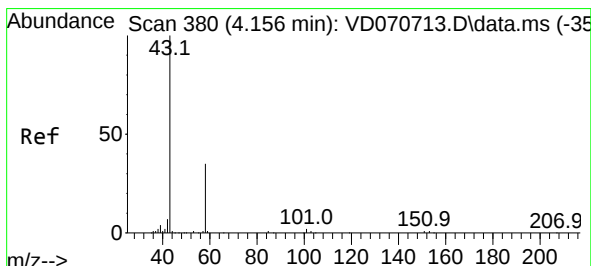
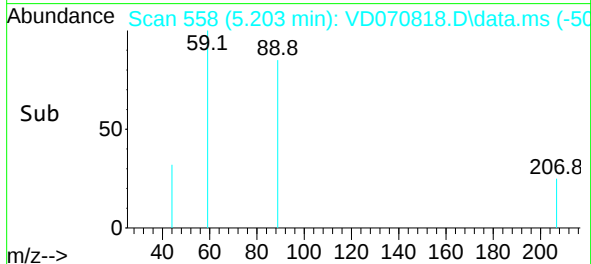
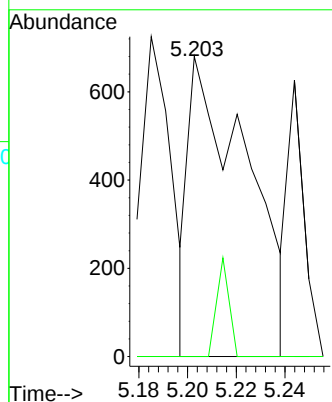
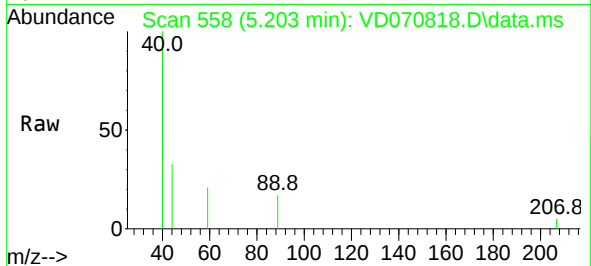




#11
Tert butyl alcohol
Concen: 3.871 ug/l
RT: 5.203 min Scan# 558
Delta R.T. -0.012 min
Lab File: VD070818.D
Acq: 22 Oct 2021 11:57

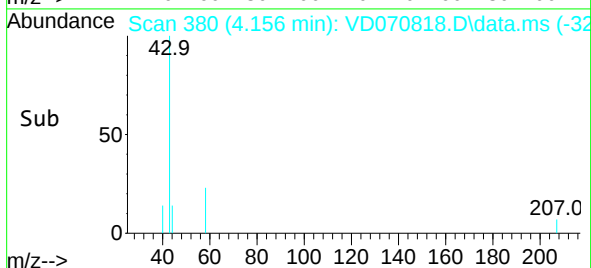
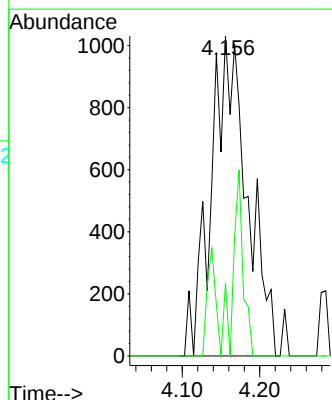
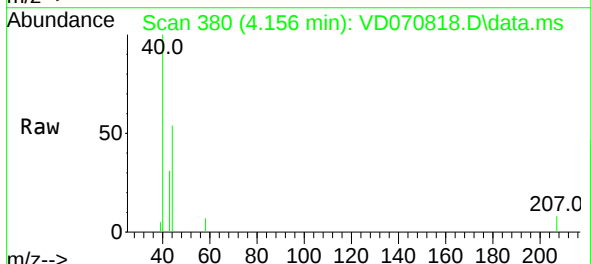
Instrument :
MSVOA_D
ClientSampleId :

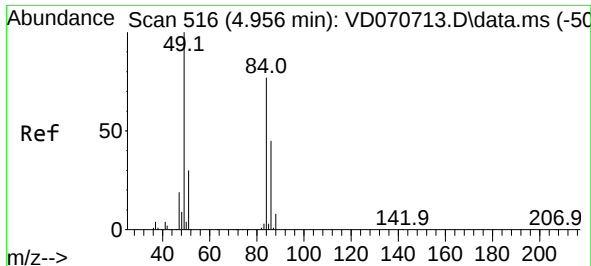
Tgt Ion: 59 Resp: 1132
Ion Ratio Lower Upper
59 100
57 7.0 4.5 6.7#



#16
Acetone
Concen: 2.675 ug/l
RT: 4.156 min Scan# 380
Delta R.T. 0.000 min
Lab File: VD070818.D
Acq: 22 Oct 2021 11:57

Tgt Ion: 43 Resp: 3370
Ion Ratio Lower Upper
43 100
58 22.8 28.2 42.2#





#20

Methylene Chloride

Concen: Below Cal

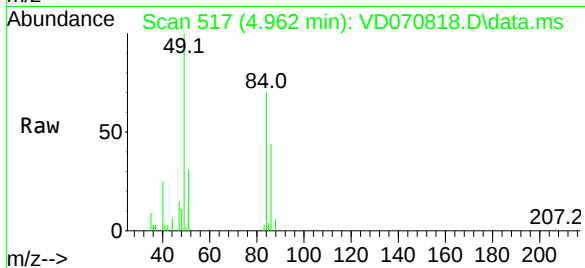
RT: 4.962 min Scan# 517

Delta R.T. 0.006 min

Lab File: VD070818.D

Acq: 22 Oct 2021 11:57

Instrument :
MSVOA_D
ClientSampleId :



Tgt Ion: 84 Resp: 33253

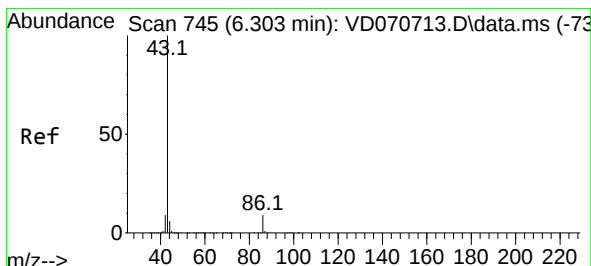
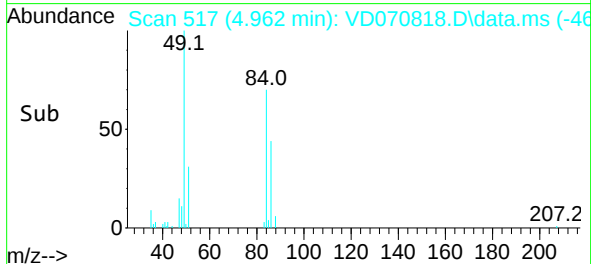
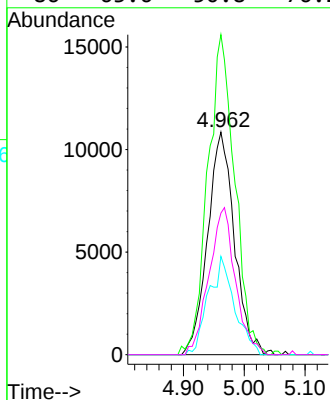
Ion Ratio Lower Upper

84 100

49 143.8 91.4 137.2#

51 44.2 26.7 40.1#

86 63.6 50.8 76.2



#23

Vinyl Acetate

Concen: 16.338 ug/l

RT: 6.303 min Scan# 745

Delta R.T. -0.000 min

Lab File: VD070818.D

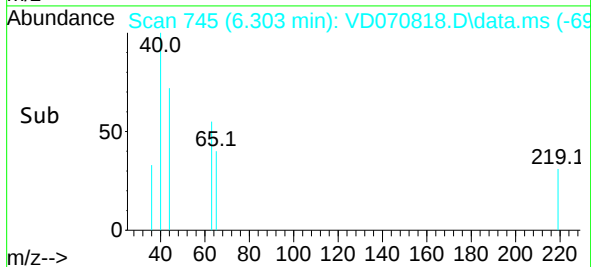
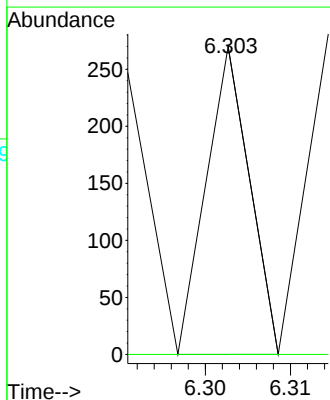
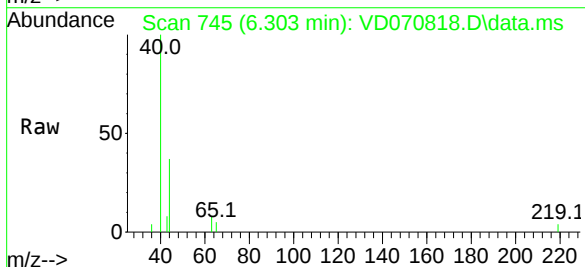
Acq: 22 Oct 2021 11:57

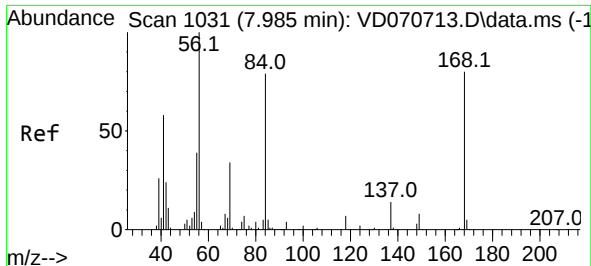
Tgt Ion: 43 Resp: 95

Ion Ratio Lower Upper

43 100

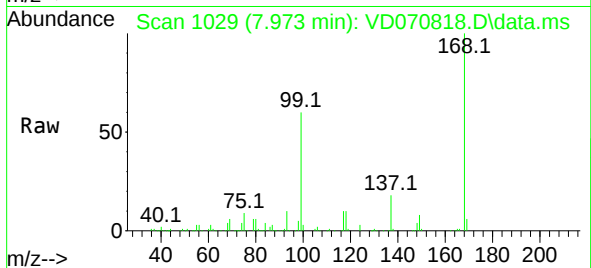
86 0.0 9.8 14.6#



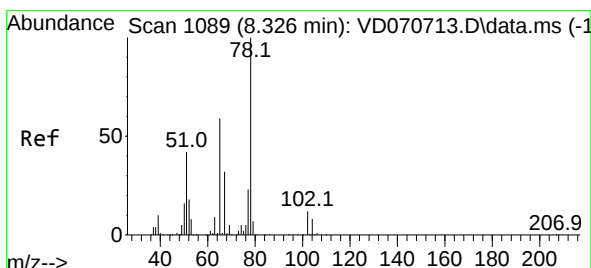
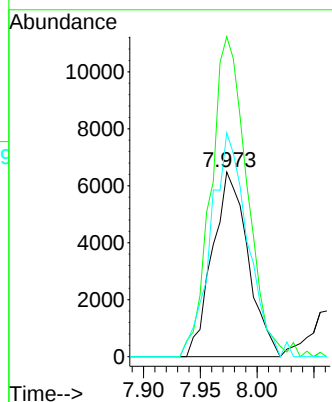
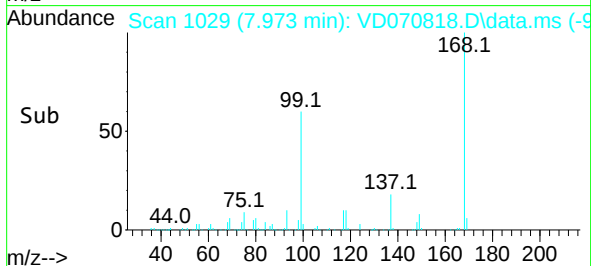


#31
Cyclohexane
Concen: 1.331 ug/l
RT: 7.973 min Scan# 1029
Delta R.T. -0.012 min
Lab File: VD070818.D
Acq: 22 Oct 2021 11:57

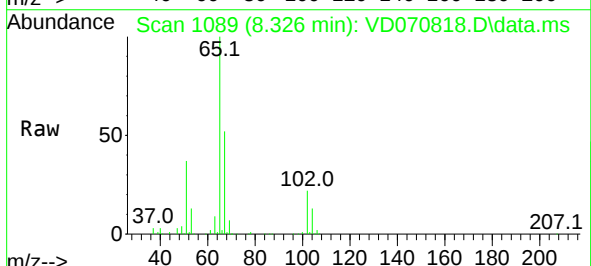
Instrument :
MSVOA_D
ClientSampleId :



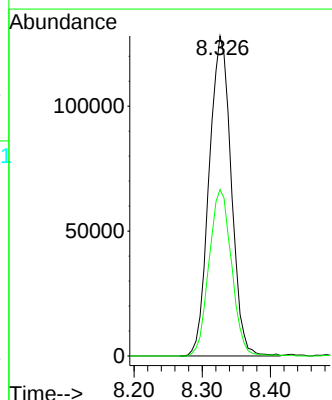
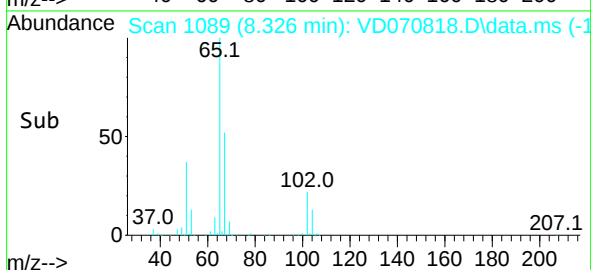
Tgt Ion: 56 Resp: 14070
Ion Ratio Lower Upper
56 100
69 173.3 27.4 41.2#
84 121.2 73.6 110.4#

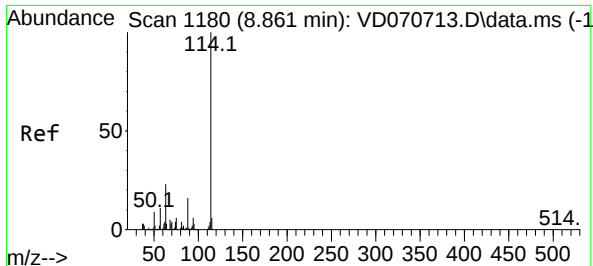


#33
1,2-Dichloroethane-d4
Concen: 55.337 ug/l
RT: 8.326 min Scan# 1089
Delta R.T. 0.000 min
Lab File: VD070818.D
Acq: 22 Oct 2021 11:57



Tgt Ion: 65 Resp: 289040
Ion Ratio Lower Upper
65 100
67 53.0 0.0 110.2





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.861 min Scan# 1180

Delta R.T. 0.000 min

Lab File: VD070818.D

Acq: 22 Oct 2021 11:57

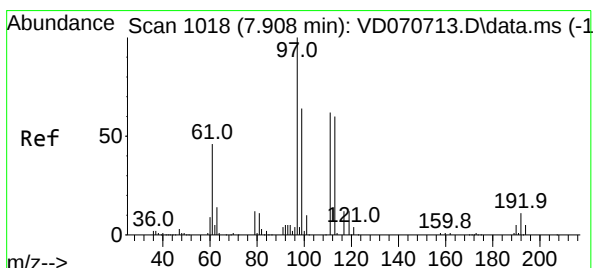
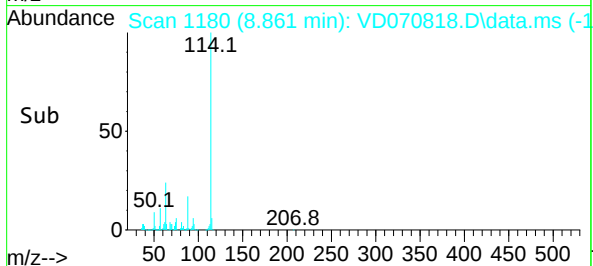
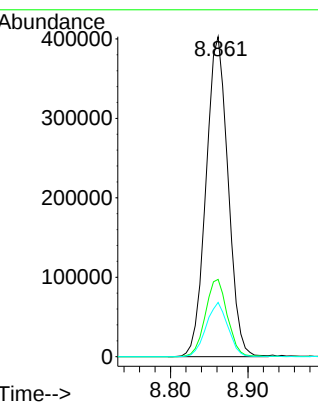
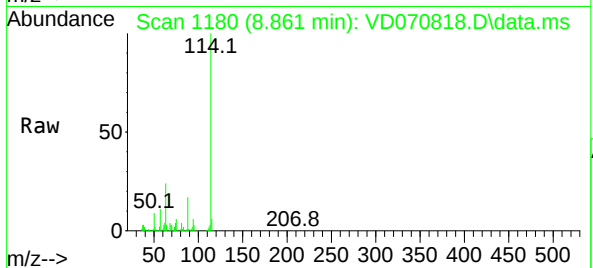
Tgt Ion:114 Resp: 796344

Ion Ratio Lower Upper

114 100

63 24.2 0.0 41.8

88 16.9 0.0 32.6



#35

Dibromofluoromethane

Concen: 51.437 ug/l

RT: 7.908 min Scan# 1018

Delta R.T. 0.000 min

Lab File: VD070818.D

Acq: 22 Oct 2021 11:57

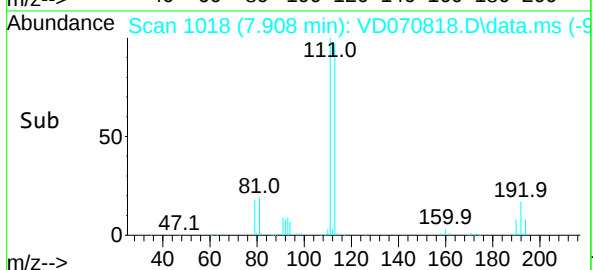
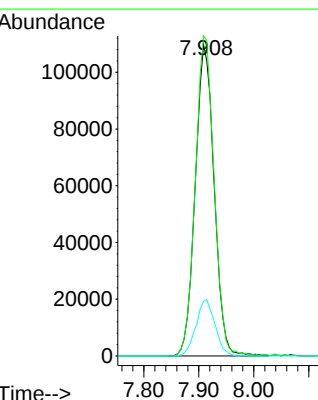
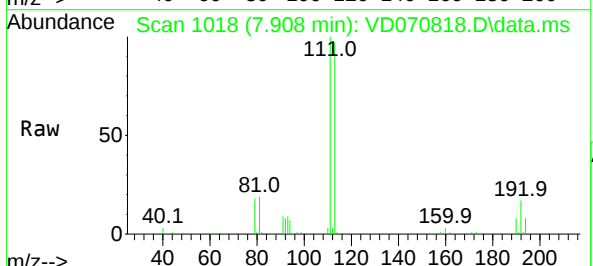
Tgt Ion:113 Resp: 262279

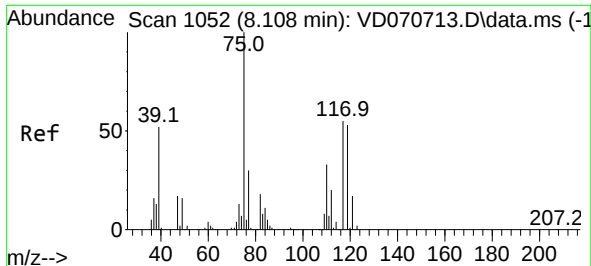
Ion Ratio Lower Upper

113 100

111 102.5 83.1 124.7

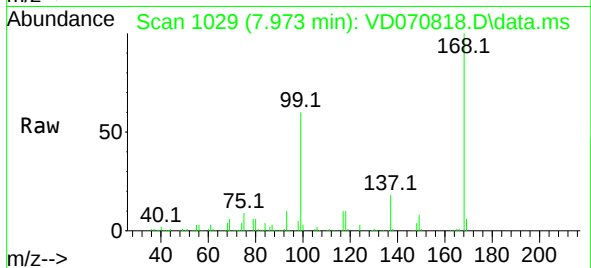
192 18.2 12.7 19.1



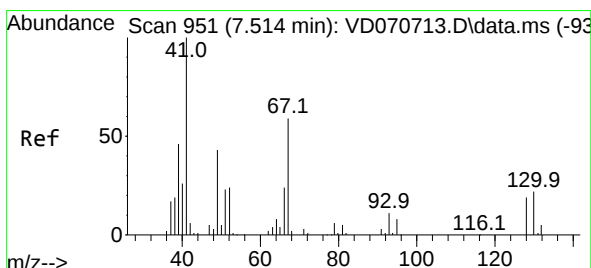
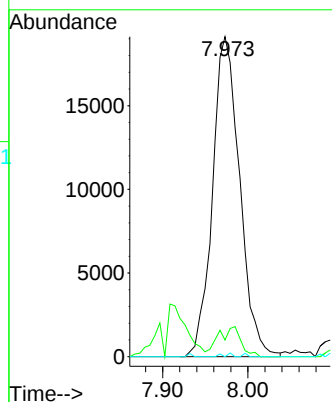
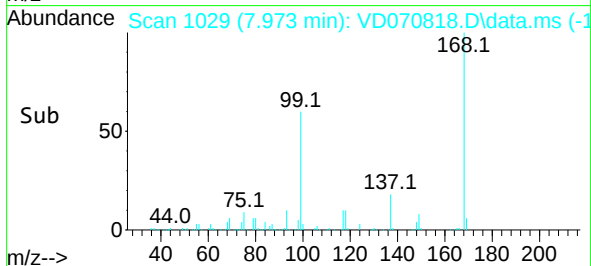


#36
1,1-Dichloropropene
Concen: 4.770 ug/l
RT: 7.973 min Scan# 1029
Delta R.T. -0.135 min
Lab File: VD070818.D
Acq: 22 Oct 2021 11:57

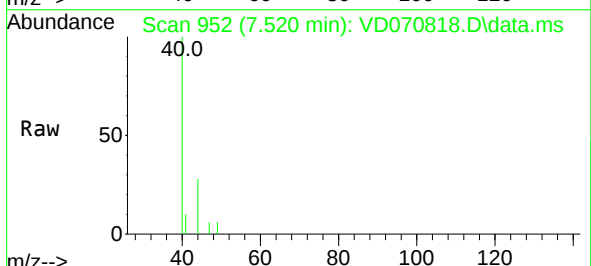
Instrument :
MSVOA_D
ClientSampleId :



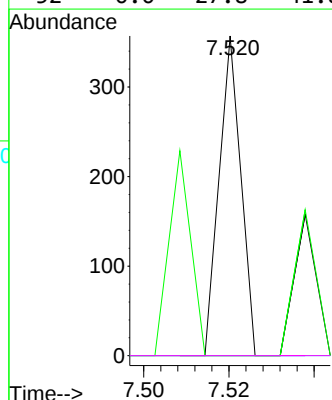
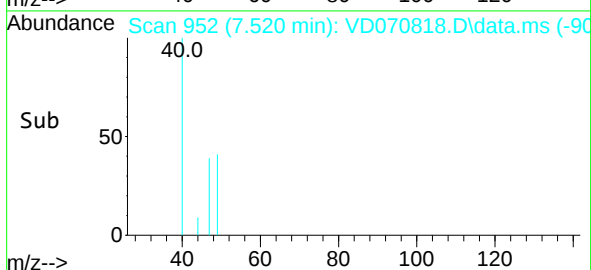
Tgt Ion: 75 Resp: 42317
Ion Ratio Lower Upper
75 100
110 0.0 17.2 51.6#
77 0.1 24.2 36.4#

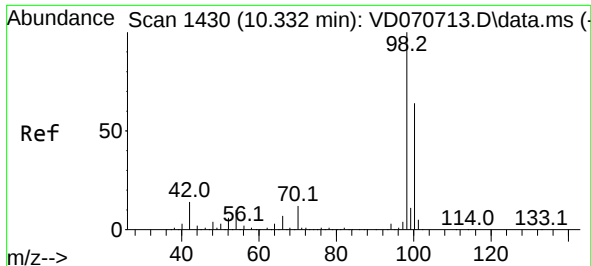


#41
Methacrylonitrile
Concen: 1.996 ug/l
RT: 7.520 min Scan# 952
Delta R.T. 0.006 min
Lab File: VD070818.D
Acq: 22 Oct 2021 11:57



Tgt Ion: 41 Resp: 126
Ion Ratio Lower Upper
41 100
39 64.3 45.2 67.8
67 0.0 75.8 113.6#
52 0.0 27.8 41.8#

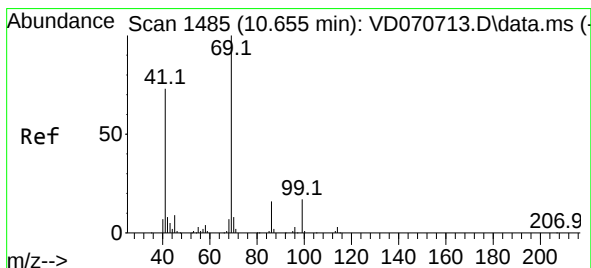
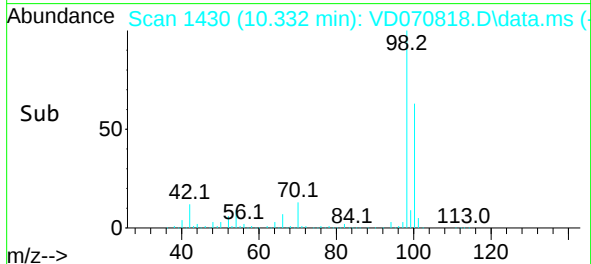
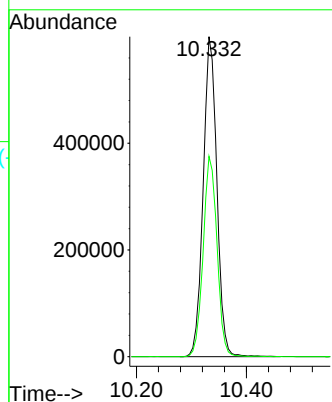
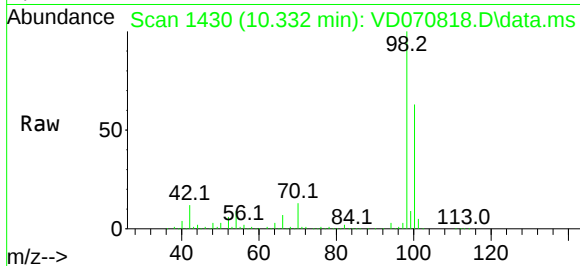




#50
Toluene-d8
Concen: 53.025 ug/l
RT: 10.332 min Scan# 1430
Delta R.T. 0.000 min
Lab File: VD070818.D
Acq: 22 Oct 2021 11:57

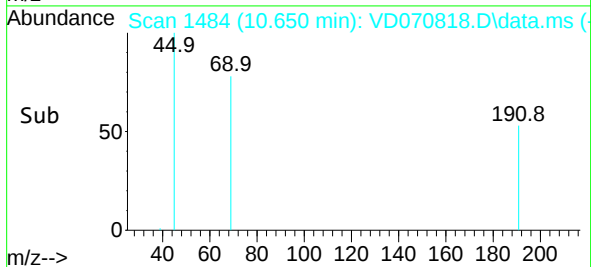
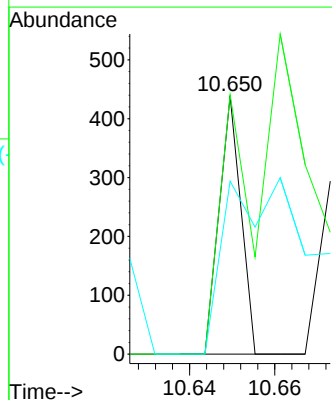
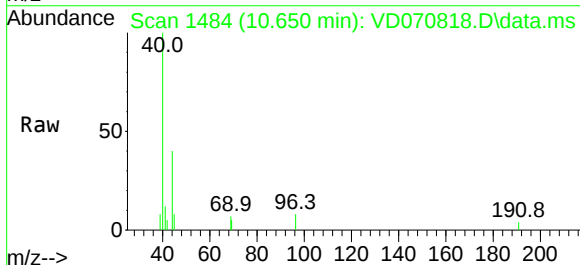
Instrument :
MSVOA_D
ClientSampled :

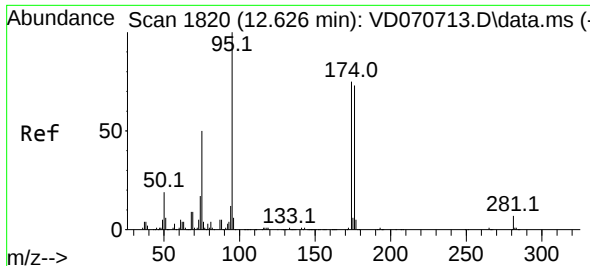
Tgt Ion: 98 Resp: 1036443
Ion Ratio Lower Upper
98 100
100 63.4 52.2 78.4



#56
Ethyl methacrylate
Concen: 4.179 ug/l
RT: 10.650 min Scan# 1484
Delta R.T. -0.005 min
Lab File: VD070818.D
Acq: 22 Oct 2021 11:57

Tgt Ion: 69 Resp: 155
Ion Ratio Lower Upper
69 100
41 0.0 44.7 67.1#
39 0.0 19.5 29.3#

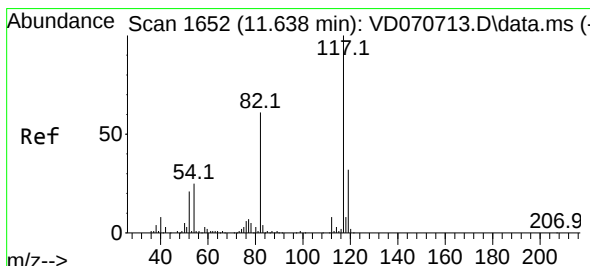
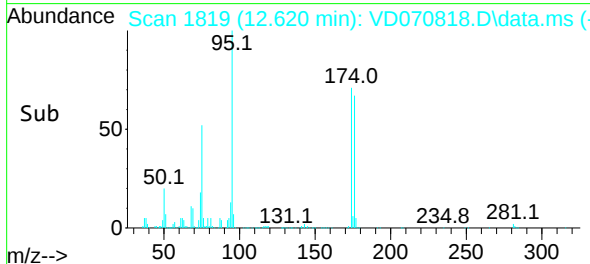
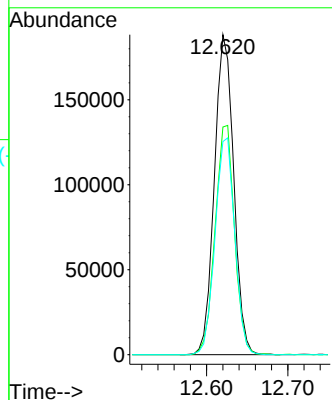
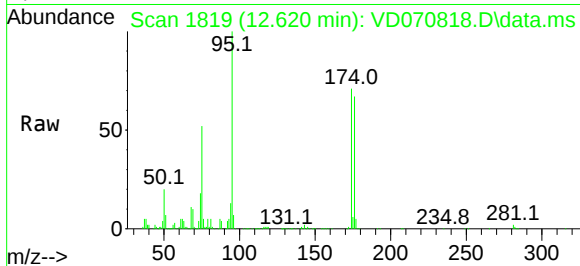




#62
4-Bromofluorobenzene
Concen: 46.278 ug/l
RT: 12.620 min Scan# 1819
Delta R.T. -0.006 min
Lab File: VD070818.D
Acq: 22 Oct 2021 11:57

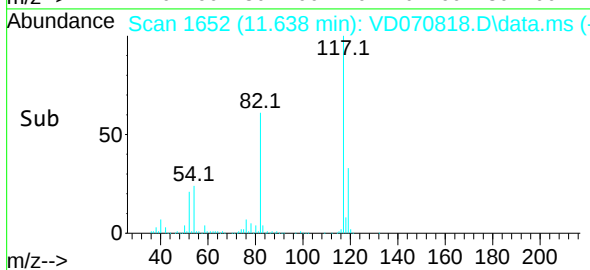
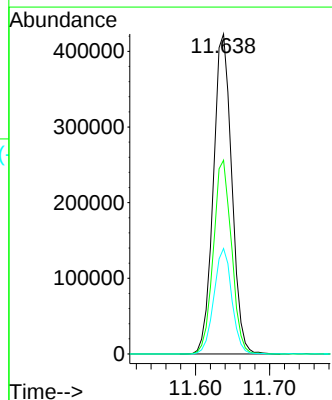
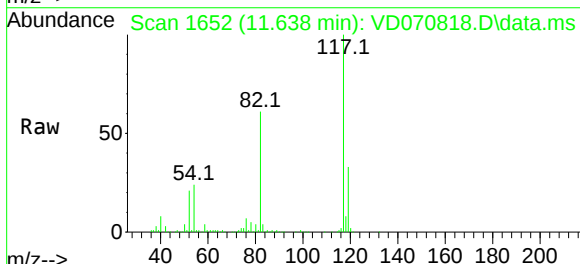
Instrument :
MSVOA_D
ClientSampleId :

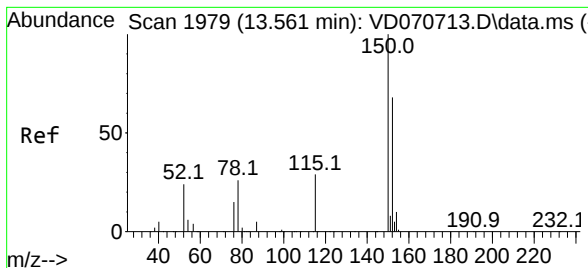
Tgt Ion: 95 Resp: 311472
Ion Ratio Lower Upper
95 100
174 72.1 0.0 138.0
176 69.1 0.0 135.6



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.638 min Scan# 1652
Delta R.T. 0.000 min
Lab File: VD070818.D
Acq: 22 Oct 2021 11:57

Tgt Ion:117 Resp: 729177
Ion Ratio Lower Upper
117 100
82 60.5 45.4 68.2
119 33.0 24.7 37.1

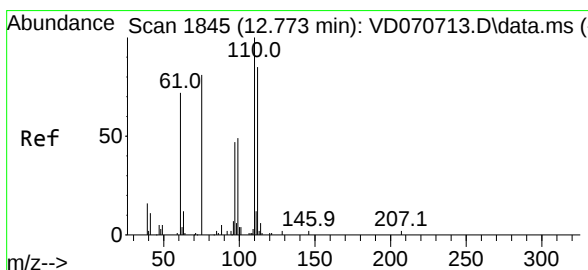
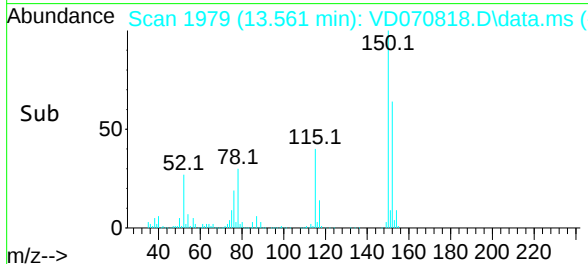
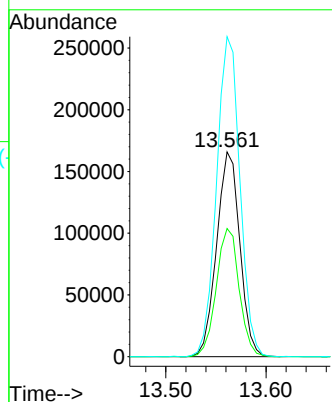
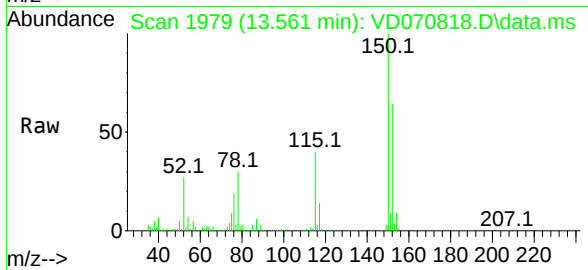




#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 13.561 min Scan# 1979
 Delta R.T. 0.000 min
 Lab File: VD070818.D
 Acq: 22 Oct 2021 11:57

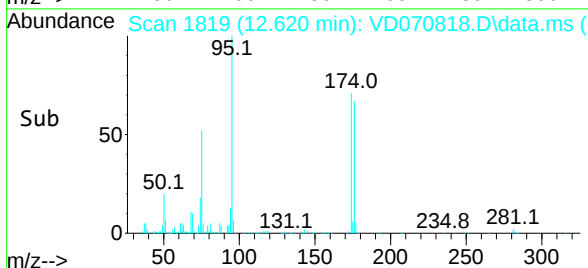
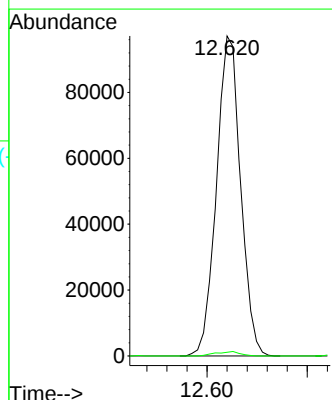
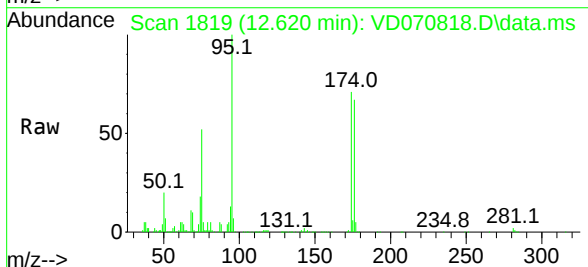
Instrument :
 MSVOA_D
 ClientSampleId :

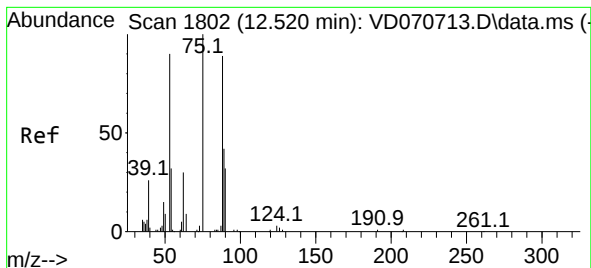
Tgt Ion:152 Resp: 266649
 Ion Ratio Lower Upper
 152 100
 115 61.8 31.9 95.7
 150 157.4 0.0 350.0



#76
 1,2,3-Trichloropropane
 Concen: 70.260 ug/l
 RT: 12.620 min Scan# 1819
 Delta R.T. -0.153 min
 Lab File: VD070818.D
 Acq: 22 Oct 2021 11:57

Tgt Ion: 75 Resp: 161860
 Ion Ratio Lower Upper
 75 100
 77 1.4 0.0 0.0#

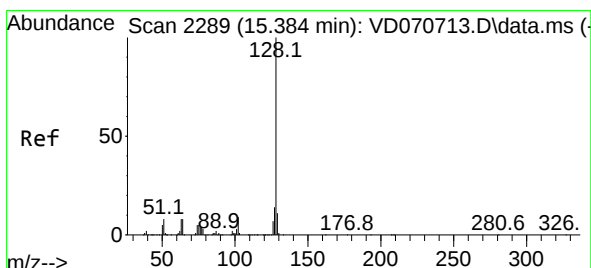
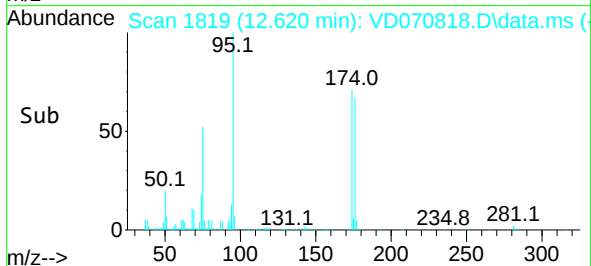
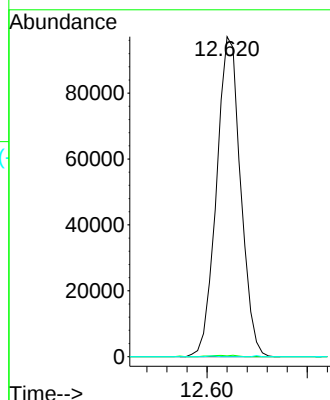
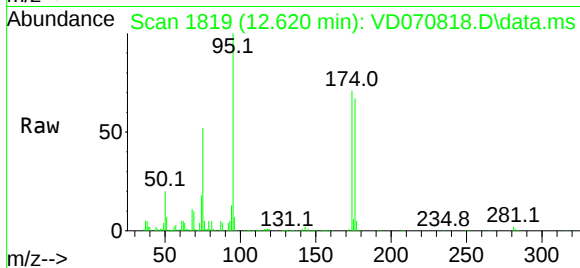




#81
trans-1,4-Dichloro-2-butene
Concen: 153.890 ug/l
RT: 12.620 min Scan# 1819
Delta R.T. 0.100 min
Lab File: VD070818.D
Acq: 22 Oct 2021 11:57

Instrument :
MSVOA_D
ClientSampleId :

Tgt Ion: 75 Resp: 161860
Ion Ratio Lower Upper
75 100
53 0.4 64.5 96.7#
89 0.0 35.3 52.9#



#95
Naphthalene
Concen: 5.212 ug/l
RT: 15.385 min Scan# 2289
Delta R.T. 0.001 min
Lab File: VD070818.D
Acq: 22 Oct 2021 11:57

Tgt Ion: 128 Resp: 4004
Ion Ratio Lower Upper
128 100
127 12.6 10.9 16.3
129 1.6 8.6 12.8#

