

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD102121\
 Data File : VD070798.D
 Acq On : 21 Oct 2021 13:52
 Operator : VA/SY
 Sample : M4285-07RE
 Misc : 3.12G/5.00ml/MSVOA_D/SOIL
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :

Quant Time: Oct 22 06:14:31 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)

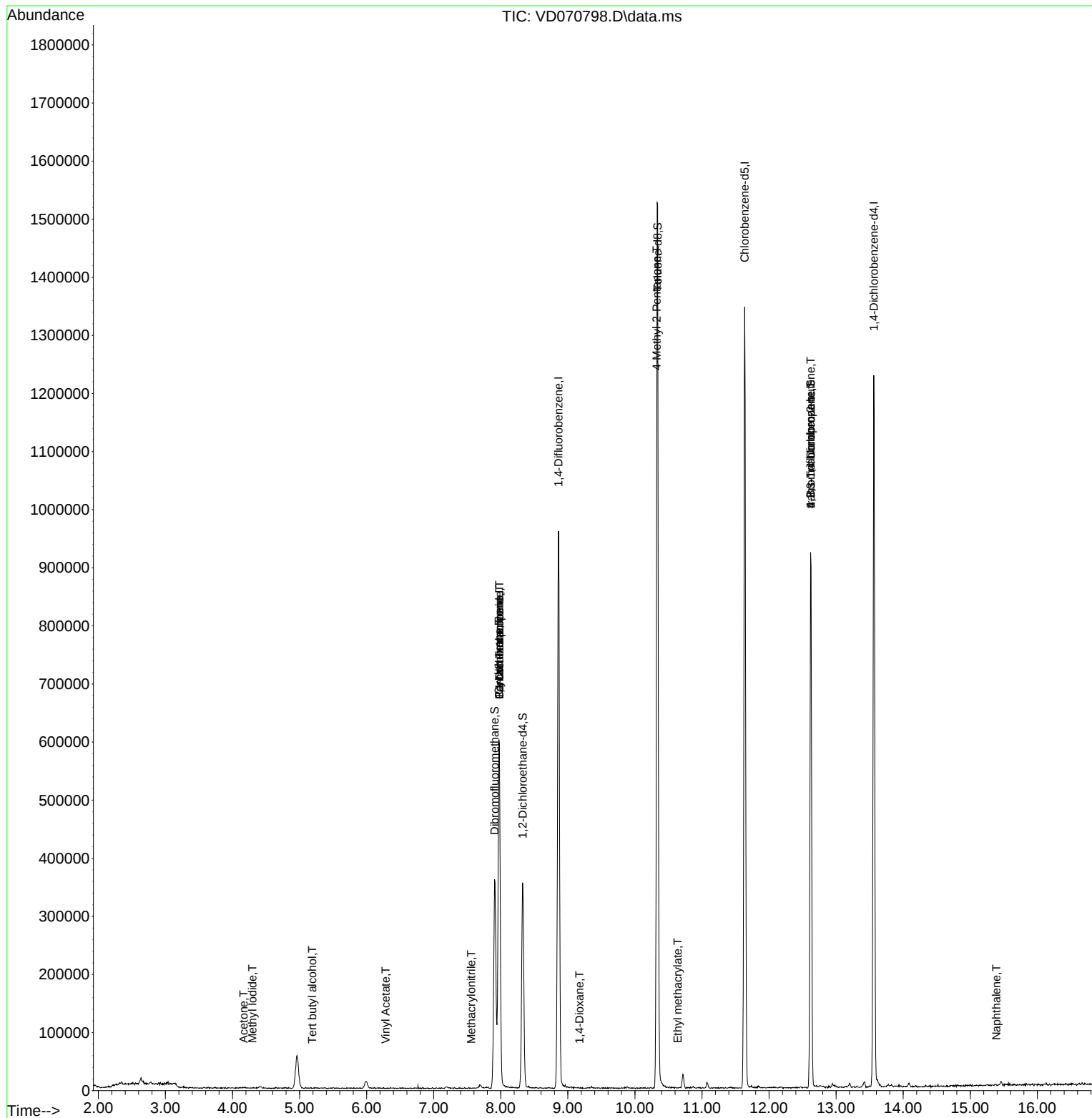
Internal Standards						
1) Pentafluorobenzene	7.979	168	421208	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.861	114	772154	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.638	117	750034	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.561	152	312565	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.326	65	276472	55.417	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 110.840%			
35) Dibromofluoromethane	7.908	113	255528	51.683	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery = 103.360%			
50) Toluene-d8	10.338	98	1019974	53.817	ug/l	0.00
Spiked Amount 50.000	Range 49 - 140		Recovery = 107.640%			
62) 4-Bromofluorobenzene	12.620	95	315444	48.337	ug/l	0.00
Spiked Amount 50.000	Range 25 - 144		Recovery = 96.680%			
Target Compounds					Qvalue	
10) Methyl Iodide	4.297	142	663	3.438	ug/l #	38
11) Tert butyl alcohol	5.191	59	285	1.020	ug/l #	83
16) Acetone	4.167	43	1603	1.332	ug/l #	66
23) Vinyl Acetate	6.285	43	58	16.335	ug/l #	69
31) Cyclohexane	7.973	56	10873	1.077	ug/l #	1
36) 1,1-Dichloropropene	7.979	75	38791	4.510	ug/l #	50
38) Carbon Tetrachloride	7.979	117	44033	5.345	ug/l #	18
41) Methacrylonitrile	7.561	41	273	2.060	ug/l #	16
49) 1,4-Dioxane	9.173	88	67	1.991	ug/l #	13
51) 4-Methyl-2-Pentanone	10.326	43	4294	1.198	ug/l #	1
56) Ethyl methacrylate	10.638	69	426	4.222	ug/l #	42
76) 1,2,3-Trichloropropane	12.620	75	160296	59.359	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.620	75	160296	130.015	ug/l #	17
95) Naphthalene	15.390	128	311	4.820	ug/l #	69

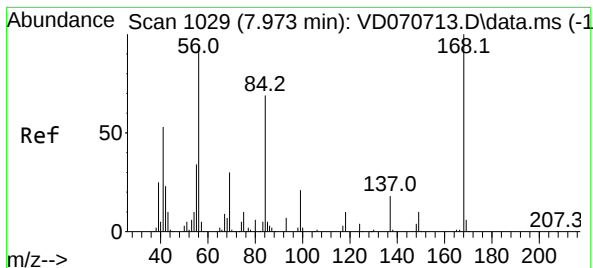
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Data File : VD070798.D
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Misc : 3.12G/5.00ml/MSVOA_D/SOIL
ALS Vial : 10 Sample Multiplier: 1

Instrument :
MSVOA_D
ClientSampleId :

Quant Time: Oct 22 06:14:31 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

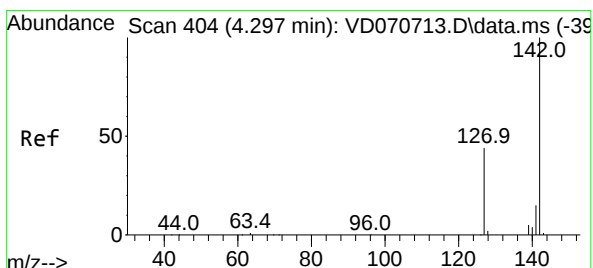
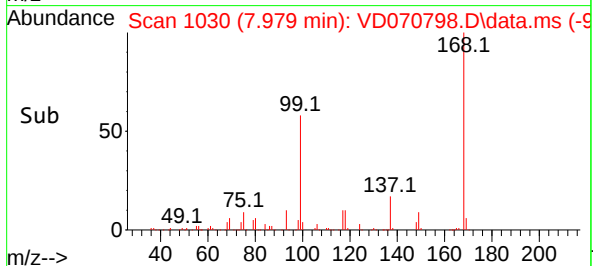
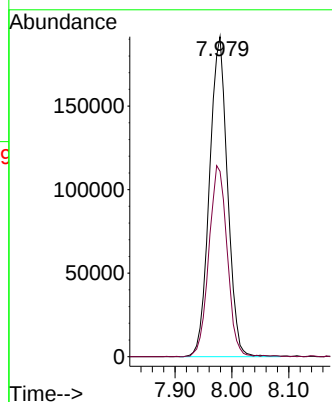
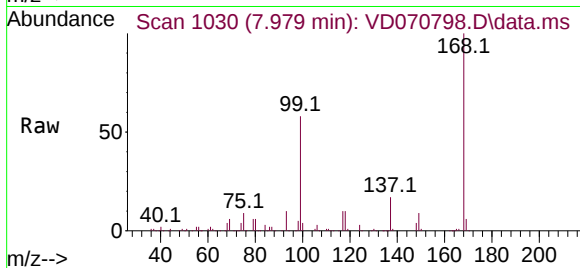




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.979 min Scan# 1030
Delta R.T. 0.006 min
Lab File: VD070798.D
Acq: 21 Oct 2021 13:52

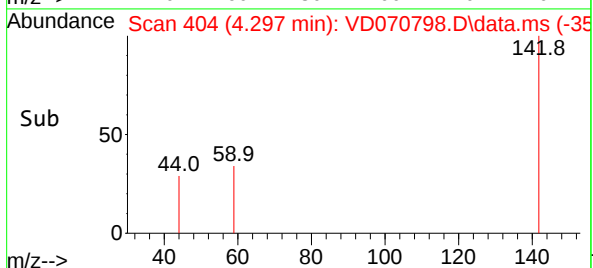
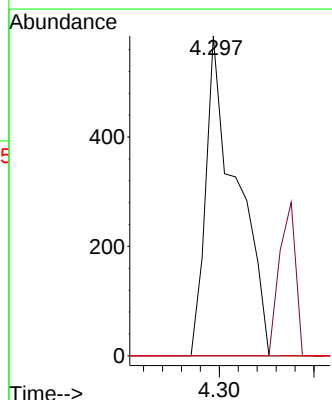
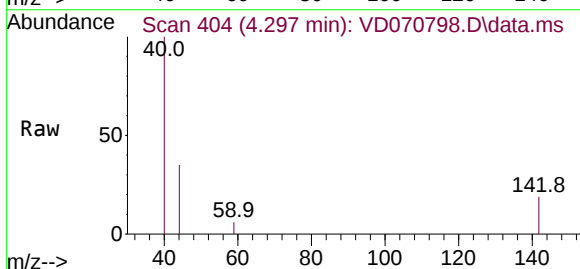
Instrument :
MSVOA_D
ClientSampled :

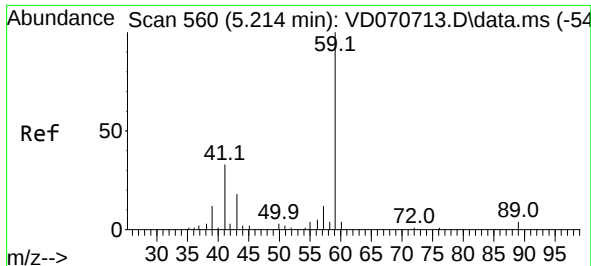
Tgt Ion:168 Resp: 421208
Ion Ratio Lower Upper
168 100
99 57.9 51.4 77.0



#10
Methyl Iodide
Concen: 3.438 ug/l
RT: 4.297 min Scan# 404
Delta R.T. -0.000 min
Lab File: VD070798.D
Acq: 21 Oct 2021 13:52

Tgt Ion:142 Resp: 663
Ion Ratio Lower Upper
142 100
127 0.0 37.5 56.3#
141 0.0 12.1 18.1#

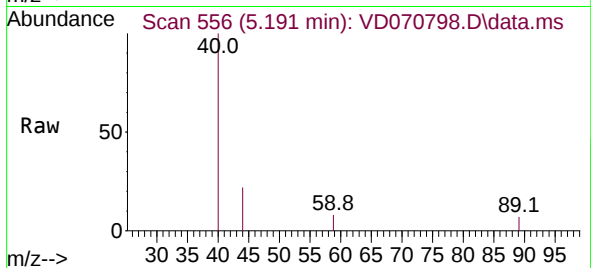




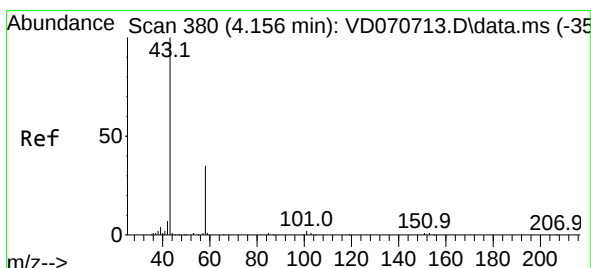
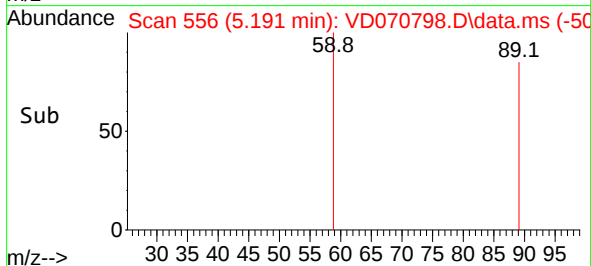
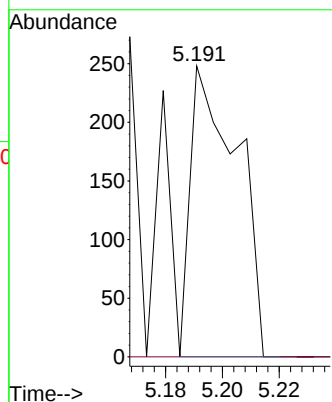
#11

Tert butyl alcohol
Concen: 1.020 ug/l
RT: 5.191 min Scan# 556
Delta R.T. -0.023 min
Lab File: VD070798.D
Acq: 21 Oct 2021 13:52

Instrument :
MSVOA_D
ClientSampled :



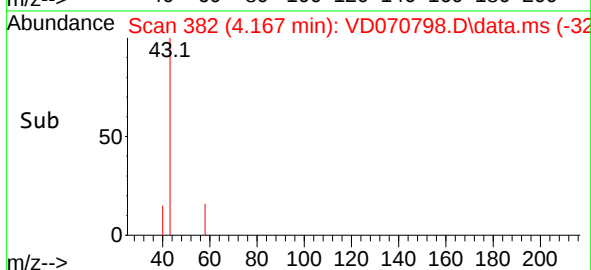
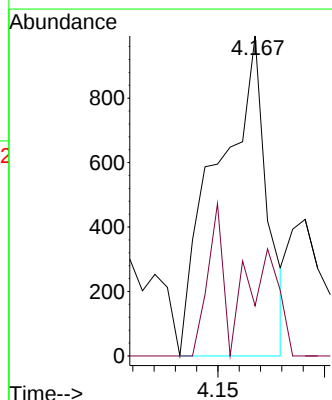
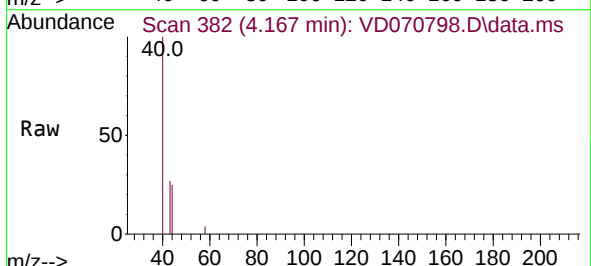
Tgt Ion: 59 Resp: 285
Ion Ratio Lower Upper
59 100
57 0.0 4.5 6.7#

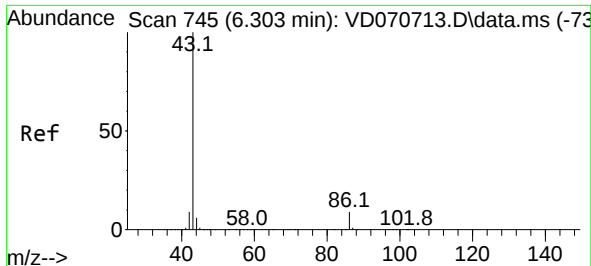


#16

Acetone
Concen: 1.332 ug/l
RT: 4.167 min Scan# 382
Delta R.T. 0.012 min
Lab File: VD070798.D
Acq: 21 Oct 2021 13:52

Tgt Ion: 43 Resp: 1603
Ion Ratio Lower Upper
43 100
58 15.6 28.2 42.2#

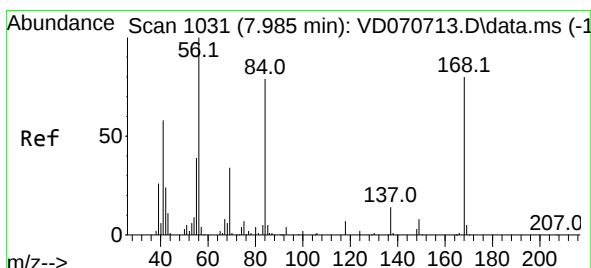
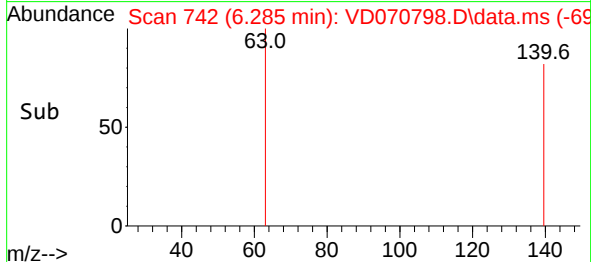
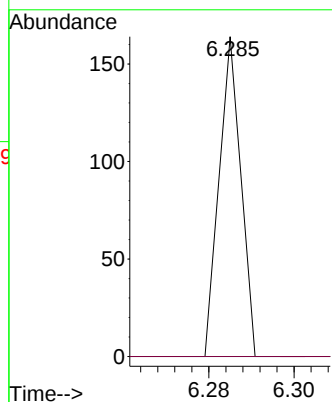
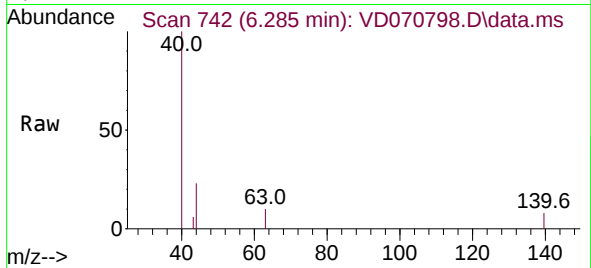




#23
 Vinyl Acetate
 Concen: 16.335 ug/l
 RT: 6.285 min Scan# 742
 Delta R.T. -0.018 min
 Lab File: VD070798.D
 Acq: 21 Oct 2021 13:52

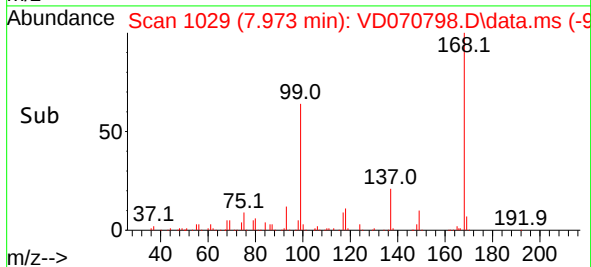
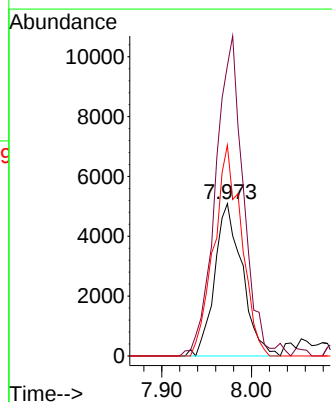
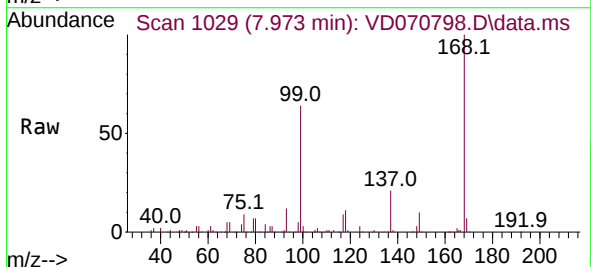
Instrument :
 MSVOA_D
 ClientSampled :

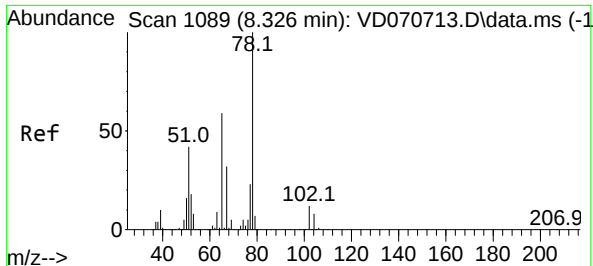
Tgt Ion: 43 Resp: 58
 Ion Ratio Lower Upper
 43 100
 86 0.0 9.8 14.6#



#31
 Cyclohexane
 Concen: 1.077 ug/l
 RT: 7.973 min Scan# 1029
 Delta R.T. -0.012 min
 Lab File: VD070798.D
 Acq: 21 Oct 2021 13:52

Tgt Ion: 56 Resp: 10873
 Ion Ratio Lower Upper
 56 100
 69 190.7 27.4 41.2#
 84 138.3 73.6 110.4#





#33

1,2-Dichloroethane-d4

Concen: 55.417 ug/l

RT: 8.326 min Scan# 1089

Delta R.T. 0.000 min

Lab File: VD070798.D

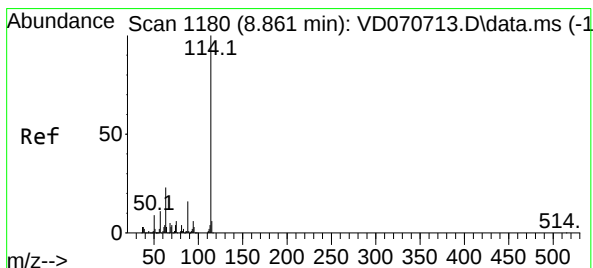
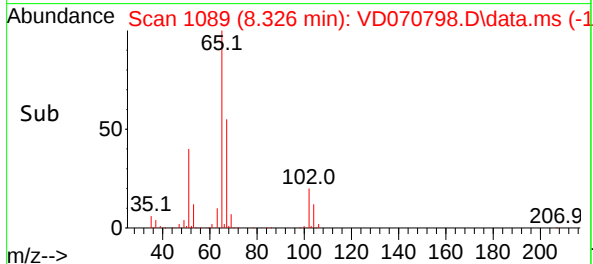
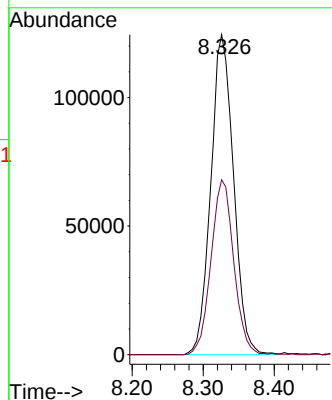
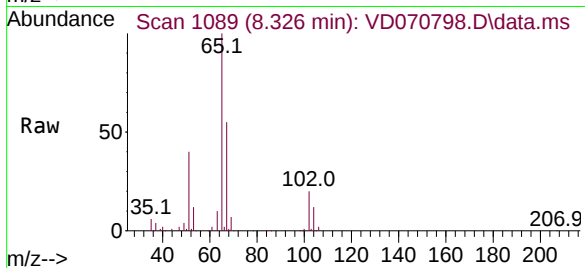
Acq: 21 Oct 2021 13:52

Tgt Ion: 65 Resp: 276472

Ion Ratio Lower Upper

65 100

67 54.7 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: VD070798.D

Acq: 21 Oct 2021 13:52

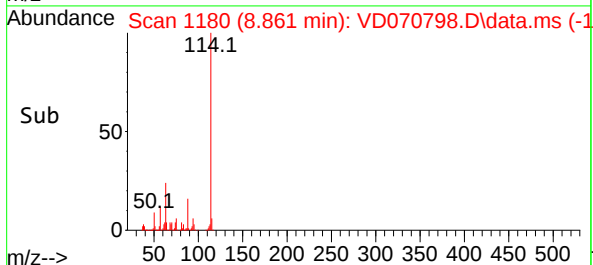
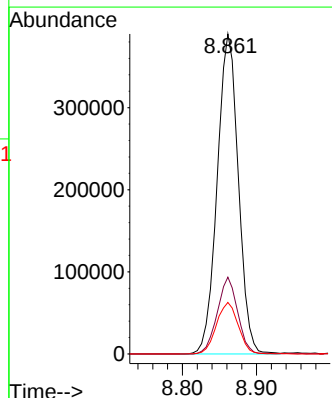
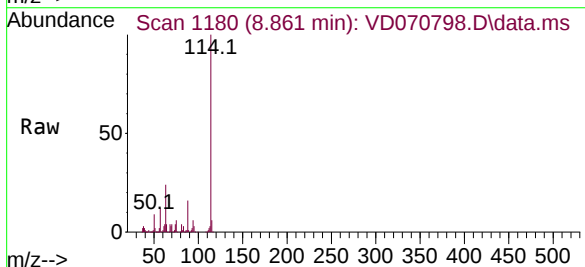
Tgt Ion: 114 Resp: 772154

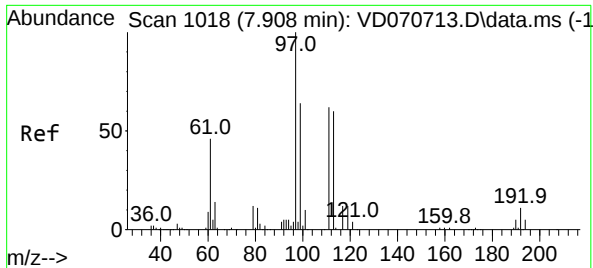
Ion Ratio Lower Upper

114 100

63 24.0 0.0 41.8

88 16.1 0.0 32.6



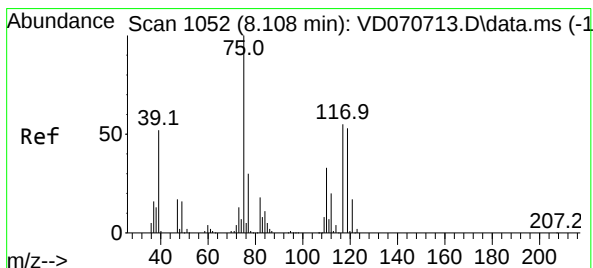
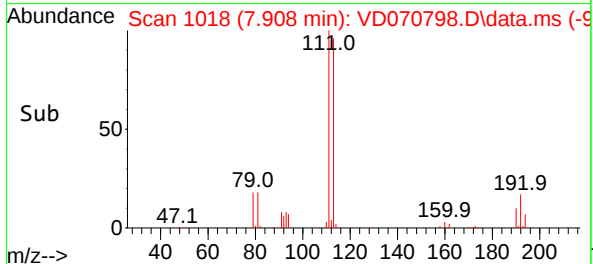
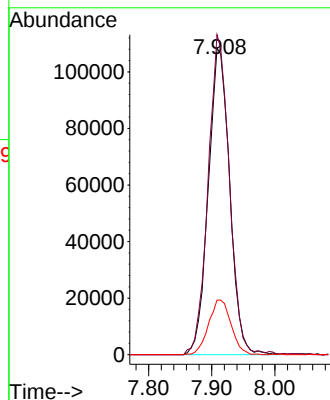
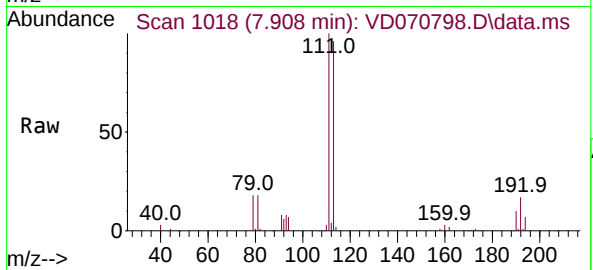


#35

Dibromofluoromethane
Concen: 51.683 ug/l
RT: 7.908 min Scan# 1018
Delta R.T. 0.000 min
Lab File: VD070798.D
Acq: 21 Oct 2021 13:52

Instrument :
MSVOA_D
ClientSampled :

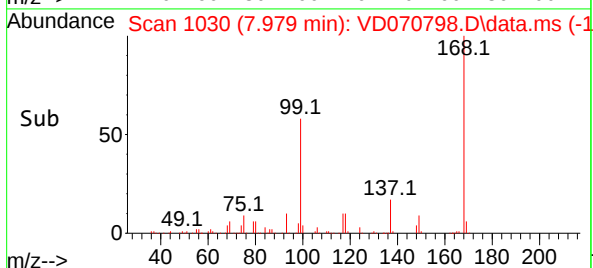
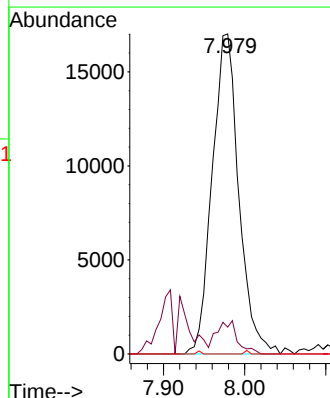
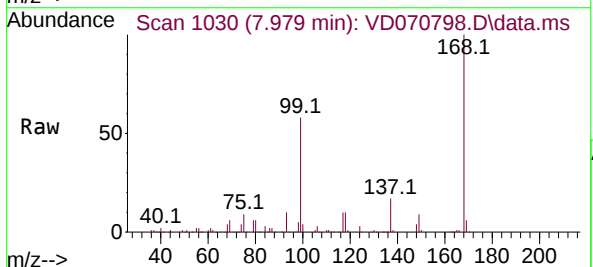
Tgt Ion:113 Resp: 255528
Ion Ratio Lower Upper
113 100
111 103.3 83.1 124.7
192 18.7 12.7 19.1

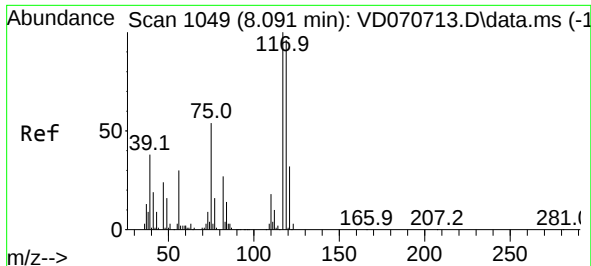


#36

1,1-Dichloropropene
Concen: 4.510 ug/l
RT: 7.979 min Scan# 1030
Delta R.T. -0.129 min
Lab File: VD070798.D
Acq: 21 Oct 2021 13:52

Tgt Ion: 75 Resp: 38791
Ion Ratio Lower Upper
75 100
110 8.1 17.2 51.6#
77 0.0 24.2 36.4#

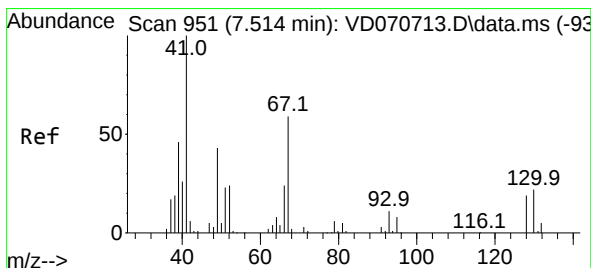
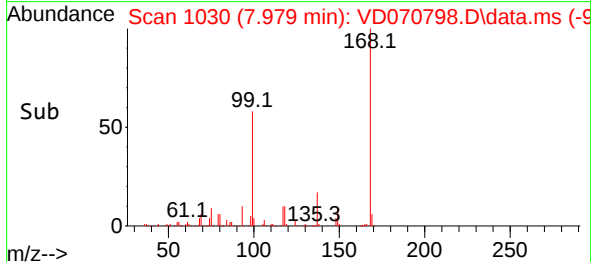
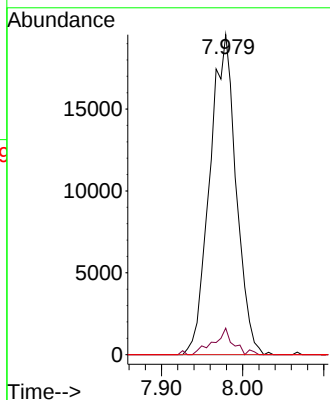
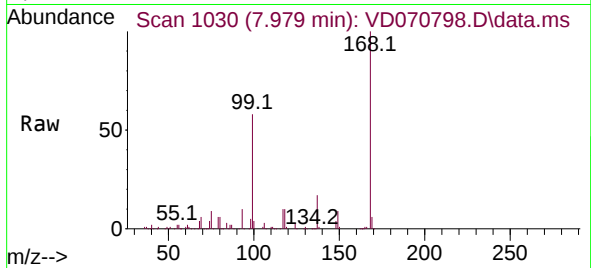




#38
Carbon Tetrachloride
Concen: 5.345 ug/l
RT: 7.979 min Scan# 1030
Delta R.T. -0.112 min
Lab File: VD070798.D
Acq: 21 Oct 2021 13:52

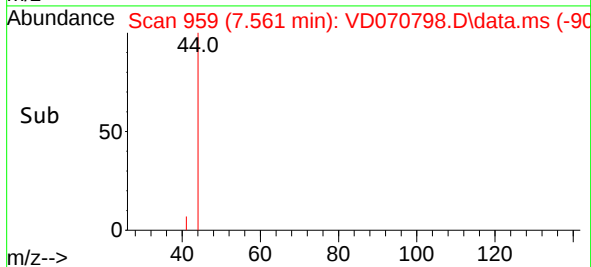
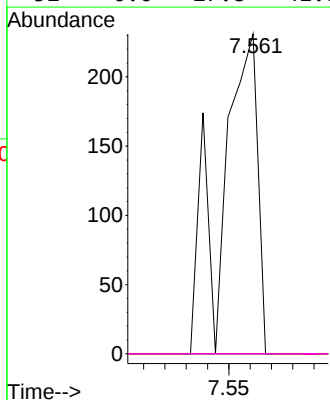
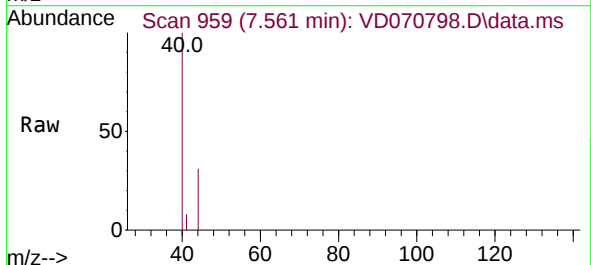
Instrument :
MSVOA_D
ClientSampled :

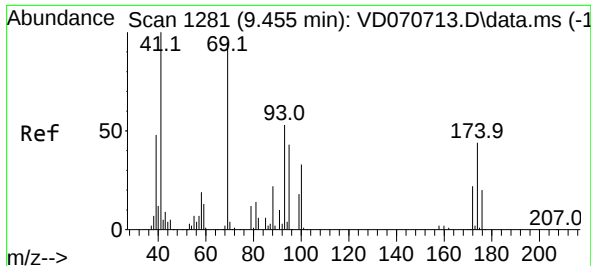
Tgt Ion:117 Resp: 44033
Ion Ratio Lower Upper
117 100
119 8.3 77.4 116.0#
121 0.0 25.4 38.0#



#41
Methacrylonitrile
Concen: 2.060 ug/l
RT: 7.561 min Scan# 959
Delta R.T. 0.047 min
Lab File: VD070798.D
Acq: 21 Oct 2021 13:52

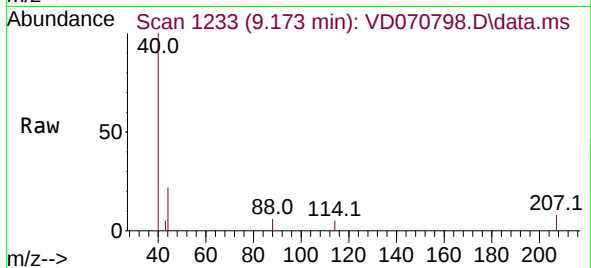
Tgt Ion: 41 Resp: 273
Ion Ratio Lower Upper
41 100
39 0.0 45.2 67.8#
67 0.0 75.8 113.6#
52 0.0 27.8 41.8#



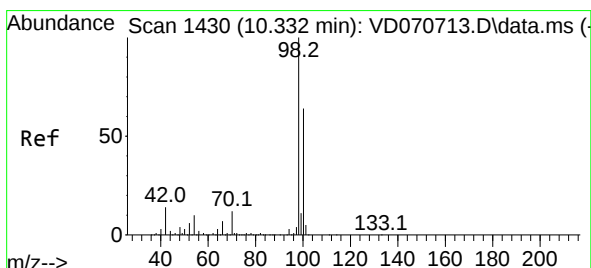
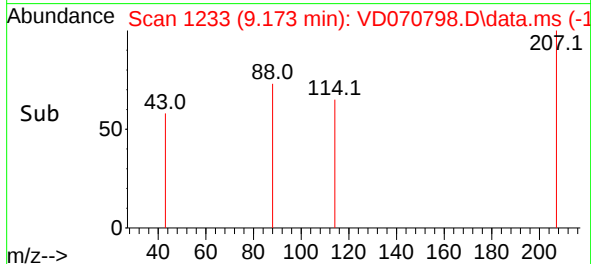
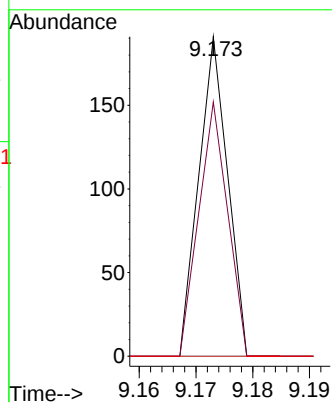


#49
1,4-Dioxane
Concen: 1.991 ug/l
RT: 9.173 min Scan# 1233
Delta R.T. -0.282 min
Lab File: VD070798.D
Acq: 21 Oct 2021 13:52

Instrument :
MSVOA_D
ClientSampled :

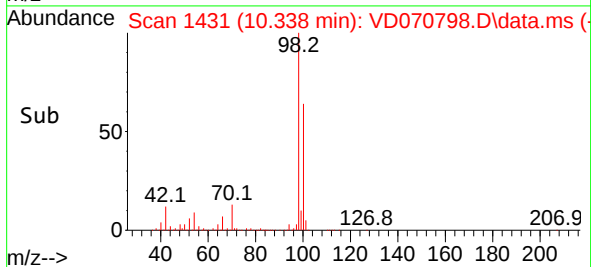
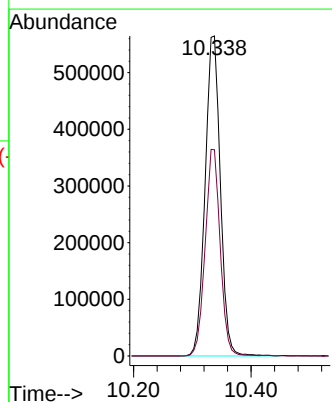
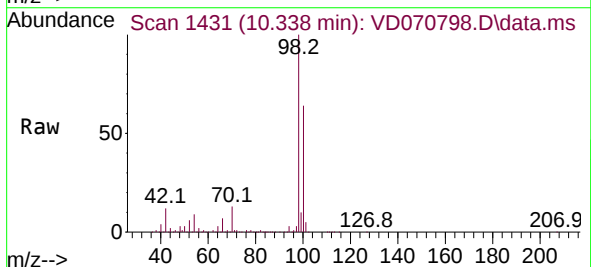


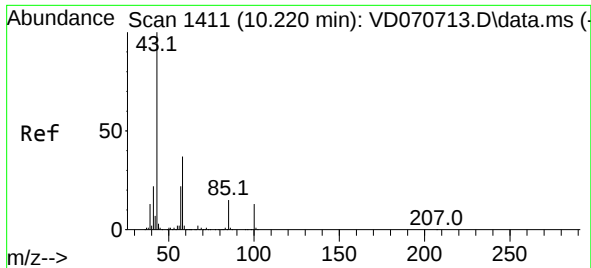
Tgt Ion: 88 Resp: 67
Ion Ratio Lower Upper
88 100
43 80.6 25.1 37.7#
58 0.0 57.4 86.0#



#50
Toluene-d8
Concen: 53.817 ug/l
RT: 10.338 min Scan# 1431
Delta R.T. 0.006 min
Lab File: VD070798.D
Acq: 21 Oct 2021 13:52

Tgt Ion: 98 Resp: 1019974
Ion Ratio Lower Upper
98 100
100 63.5 52.2 78.4

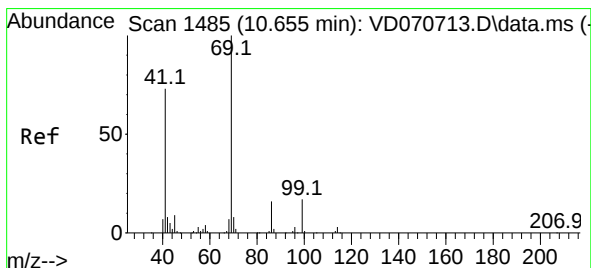
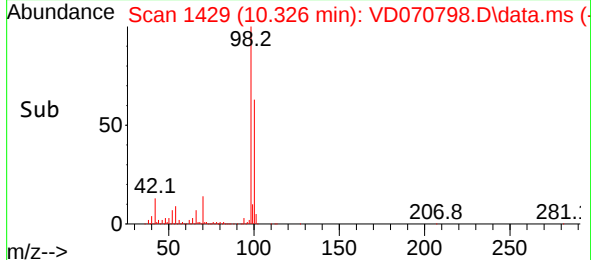
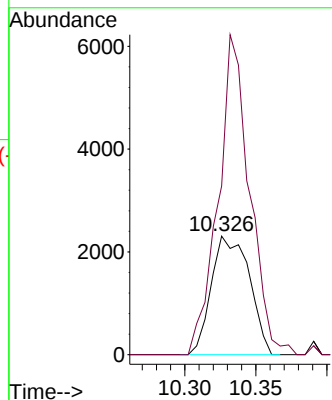
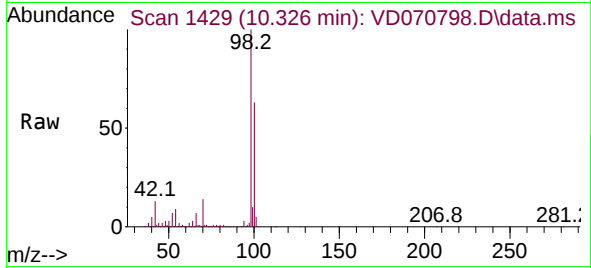




#51
4-Methyl-2-Pentanone
Concen: 1.198 ug/l
RT: 10.326 min Scan# 1429
Delta R.T. 0.106 min
Lab File: VD070798.D
Acq: 21 Oct 2021 13:52

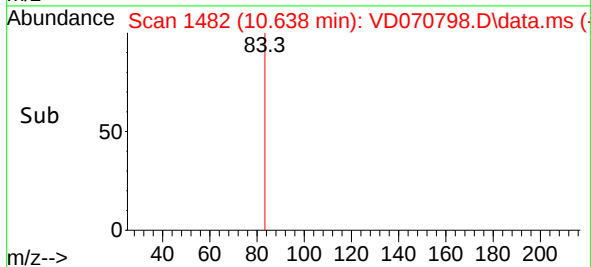
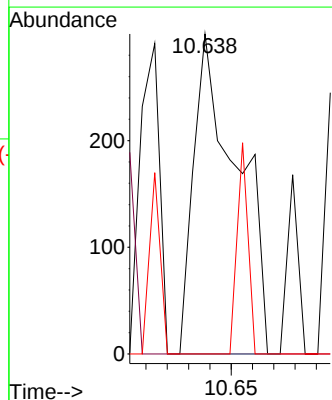
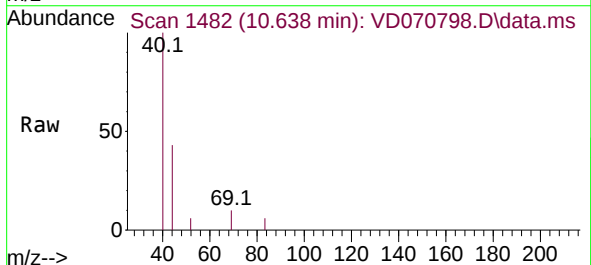
Instrument :
MSVOA_D
ClientSampled :

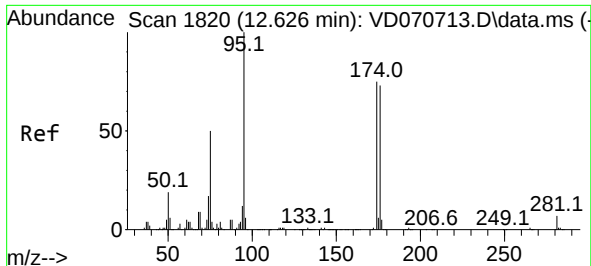
Tgt Ion: 43 Resp: 4294
Ion Ratio Lower Upper
43 100
58 223.0 35.0 52.6#



#56
Ethyl methacrylate
Concen: 4.222 ug/l
RT: 10.638 min Scan# 1482
Delta R.T. -0.017 min
Lab File: VD070798.D
Acq: 21 Oct 2021 13:52

Tgt Ion: 69 Resp: 426
Ion Ratio Lower Upper
69 100
41 0.0 44.7 67.1#
39 16.4 19.5 29.3#

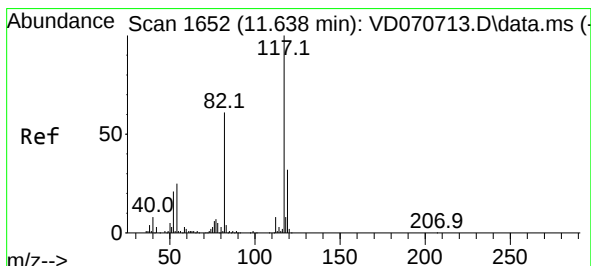
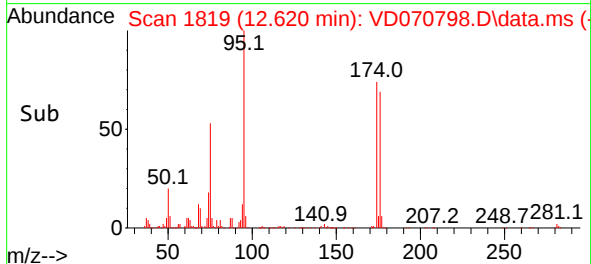
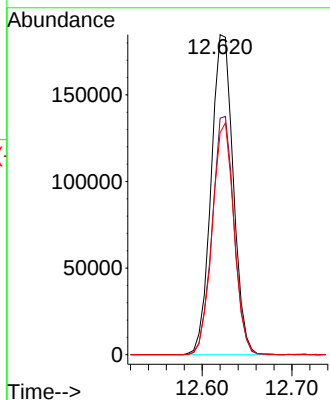
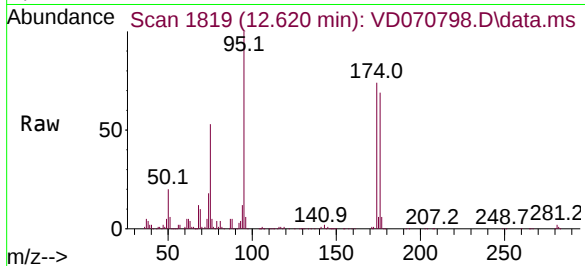




#62
4-Bromofluorobenzene
Concen: 48.337 ug/l
RT: 12.620 min Scan# 1819
Delta R.T. -0.006 min
Lab File: VD070798.D
Acq: 21 Oct 2021 13:52

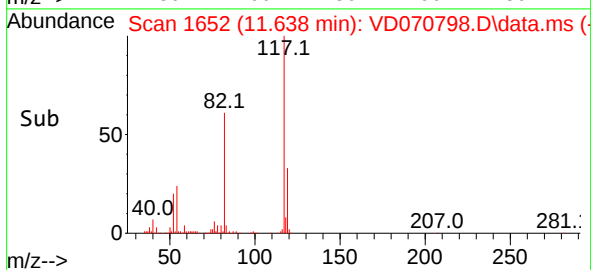
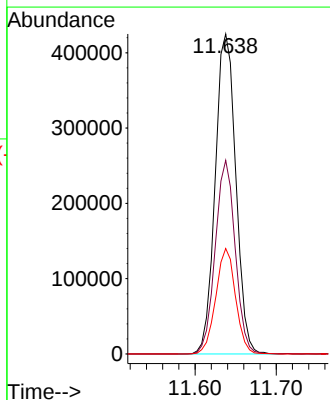
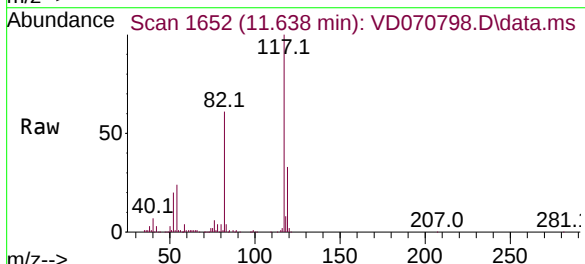
Instrument :
MSVOA_D
ClientSampleId :

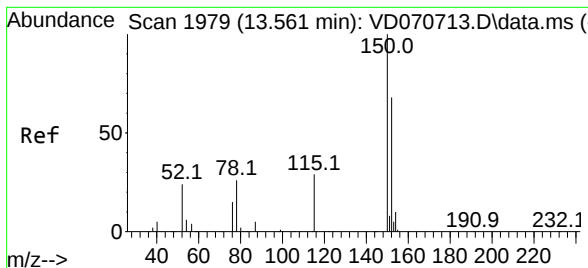
Tgt Ion: 95 Resp: 315444
Ion Ratio Lower Upper
95 100
174 73.4 0.0 138.0
176 71.3 0.0 135.6



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.638 min Scan# 1652
Delta R.T. 0.000 min
Lab File: VD070798.D
Acq: 21 Oct 2021 13:52

Tgt Ion: 117 Resp: 750034
Ion Ratio Lower Upper
117 100
82 60.5 45.4 68.2
119 32.9 24.7 37.1

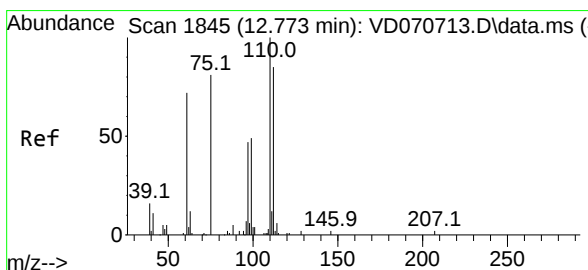
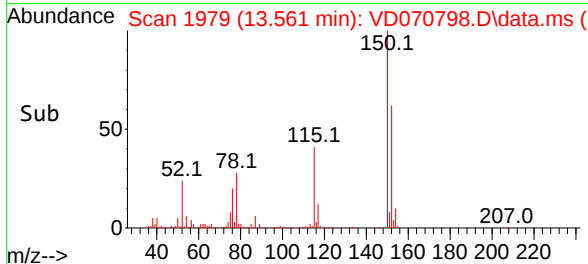
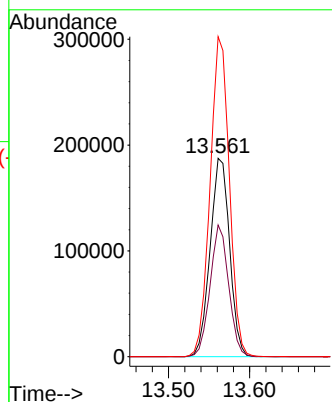
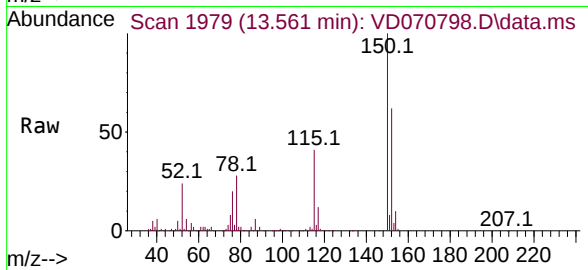




#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.561 min Scan# 1979
Delta R.T. 0.000 min
Lab File: VD070798.D
Acq: 21 Oct 2021 13:52

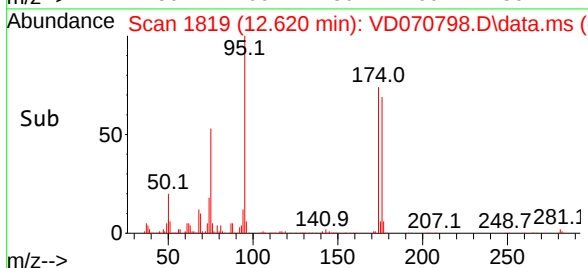
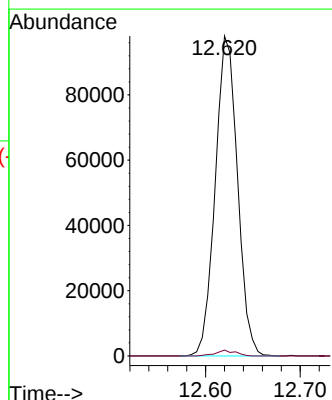
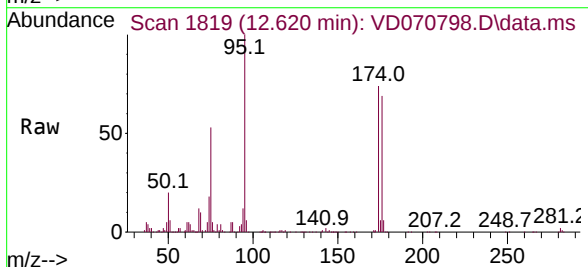
Instrument :
MSVOA_D
ClientSampled :

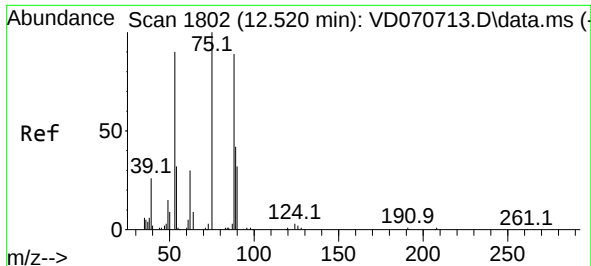
Tgt Ion:152 Resp: 312565
Ion Ratio Lower Upper
152 100
115 63.3 31.9 95.7
150 159.1 0.0 350.0



#76
1,2,3-Trichloropropane
Concen: 59.359 ug/l
RT: 12.620 min Scan# 1819
Delta R.T. -0.153 min
Lab File: VD070798.D
Acq: 21 Oct 2021 13:52

Tgt Ion: 75 Resp: 160296
Ion Ratio Lower Upper
75 100
77 1.6 0.0 0.0#

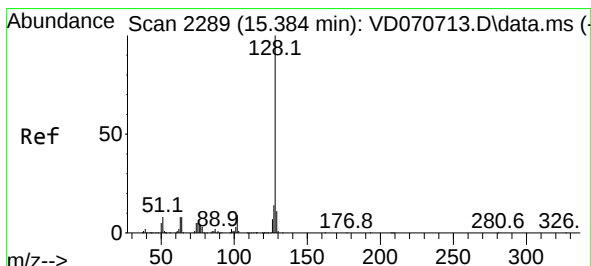
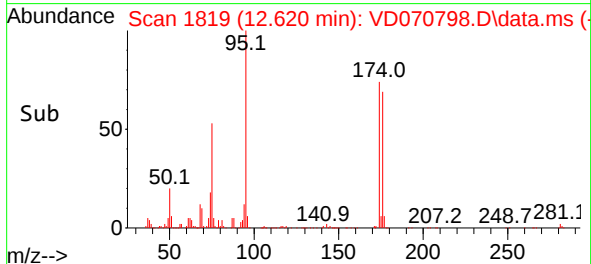
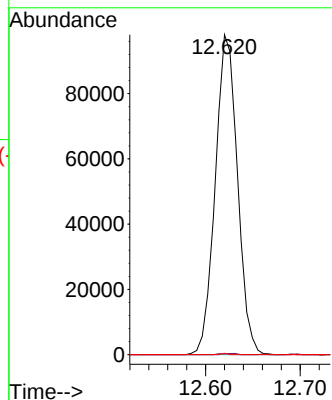
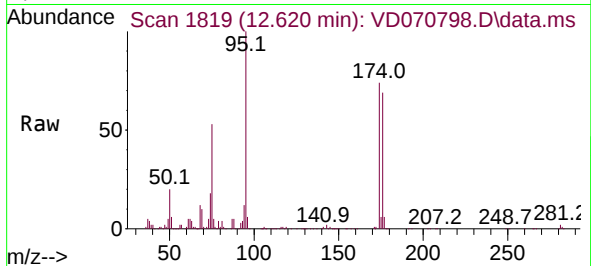




#81
trans-1,4-Dichloro-2-butene
Concen: 130.015 ug/l
RT: 12.620 min Scan# 1819
Delta R.T. 0.100 min
Lab File: VD070798.D
Acq: 21 Oct 2021 13:52

Instrument :
MSVOA_D
ClientSampled :

Tgt Ion: 75 Resp: 160296
Ion Ratio Lower Upper
75 100
53 0.3 64.5 96.7#
89 0.1 35.3 52.9#



#95
Naphthalene
Concen: 4.820 ug/l
RT: 15.390 min Scan# 2290
Delta R.T. 0.006 min
Lab File: VD070798.D
Acq: 21 Oct 2021 13:52

Tgt Ion:128 Resp: 311
Ion Ratio Lower Upper
128 100
127 0.0 10.9 16.3#
129 0.0 8.6 12.8#

