

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD101921\
 Data File : VD070757.D
 Acq On : 19 Oct 2021 14:33
 Operator : VA/SY
 Sample : M4252-1-RE
 Misc : 4.21G/5.00ml/MSVOA_D/SOIL
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 MH-CB-(1)

Quant Time: Oct 20 04:40:44 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

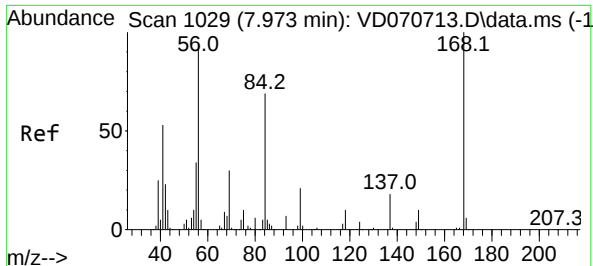
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

Internal Standards						
1) Pentafluorobenzene	7.973	168	408233	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.861	114	771743	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.638	117	731030	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.567	152	298874	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.326	65	279237	57.750	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 115.500%			
35) Dibromofluoromethane	7.914	113	257847	52.180	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery = 104.360%			
50) Toluene-d8	10.338	98	1011702	53.409	ug/l	0.00
Spiked Amount 50.000	Range 49 - 140		Recovery = 106.820%			
62) 4-Bromofluorobenzene	12.626	95	309520	47.454	ug/l	0.00
Spiked Amount 50.000	Range 25 - 144		Recovery = 94.900%			
Target Compounds						Qvalue
10) Methyl Iodide	4.291	142	700	3.448	ug/l #	38
11) Tert butyl alcohol	5.214	59	367	1.356	ug/l #	83
16) Acetone	4.162	43	2377	2.038	ug/l	90
20) Methylene Chloride	4.967	84	27436	Below Cal		91
23) Vinyl Acetate	6.273	43	54	16.335	ug/l #	69
31) Cyclohexane	7.979	56	11432	1.169	ug/l #	1
36) 1,1-Dichloropropene	7.979	75	38270	4.451	ug/l #	49
38) Carbon Tetrachloride	7.979	117	43076	5.231	ug/l #	16
41) Methacrylonitrile	7.556	41	167	2.015	ug/l #	16
51) 4-Methyl-2-Pentanone	10.332	43	5107	1.426	ug/l #	1
56) Ethyl methacrylate	10.644	69	120	4.174	ug/l #	32
76) 1,2,3-Trichloropropane	12.626	75	155384	60.176	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.626	75	155384	131.804	ug/l #	17
95) Naphthalene	15.390	128	213	4.813	ug/l #	69

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

Quant Time: Oct 20 04:40:44 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

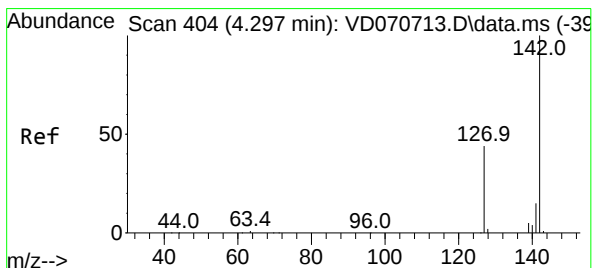
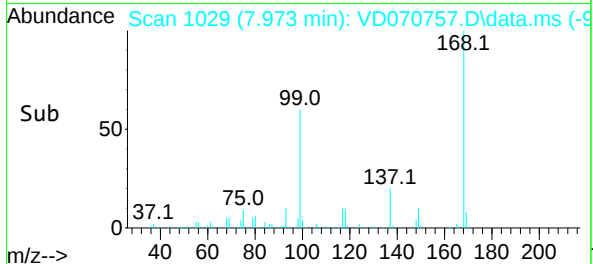
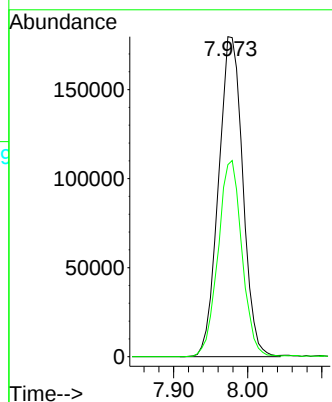
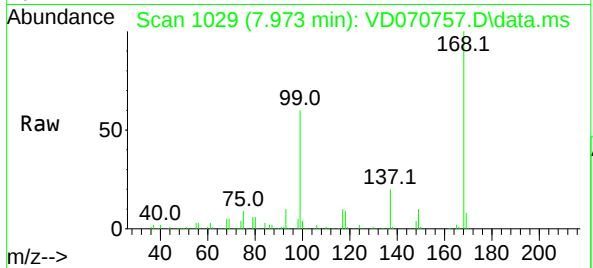




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.973 min Scan# 1029
Delta R.T. 0.000 min
Lab File: VD070757.D
Acq: 19 Oct 2021 14:33

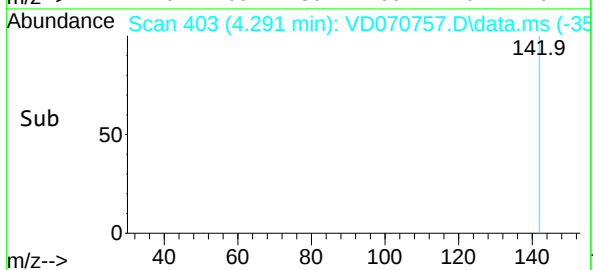
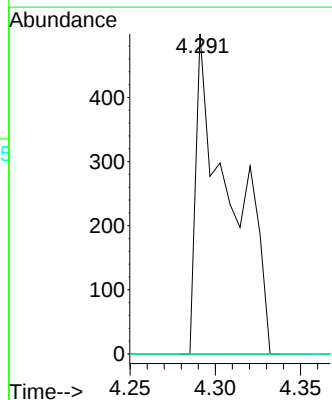
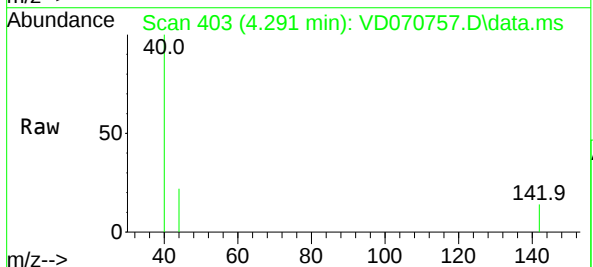
Instrument :
MSVOA_D
ClientSampleId :
MH-CB-(1)

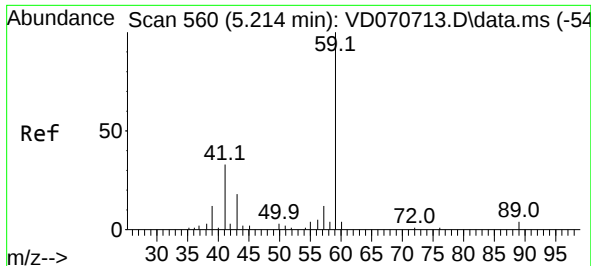
Tgt Ion:168 Resp: 408233
Ion Ratio Lower Upper
168 100
99 60.0 51.4 77.0



#10
Methyl Iodide
Concen: 3.448 ug/l
RT: 4.291 min Scan# 403
Delta R.T. -0.006 min
Lab File: VD070757.D
Acq: 19 Oct 2021 14:33

Tgt Ion:142 Resp: 700
Ion Ratio Lower Upper
142 100
127 0.0 37.5 56.3#
141 0.0 12.1 18.1#



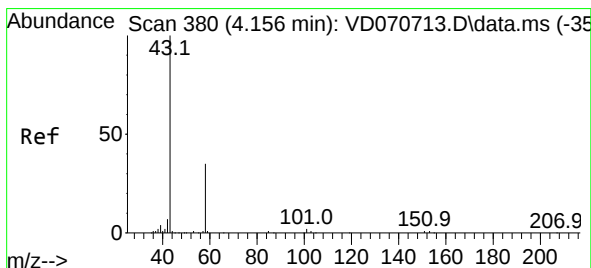
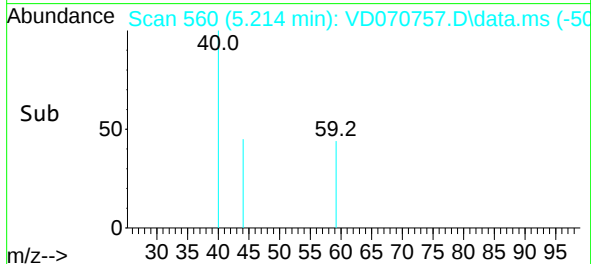
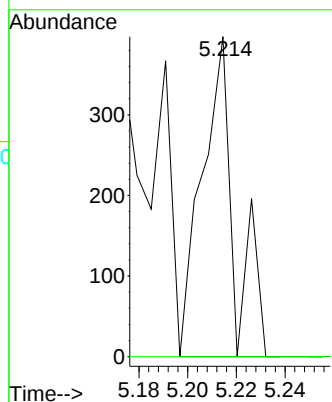
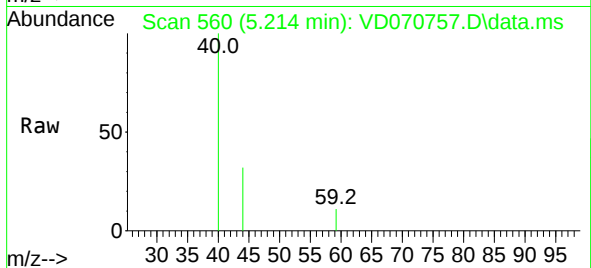


#11

Tert butyl alcohol
Concen: 1.356 ug/l
RT: 5.214 min Scan# 560
Delta R.T. 0.000 min
Lab File: VD070757.D
Acq: 19 Oct 2021 14:33

Instrument :
MSVOA_D
ClientSampleId :
MH-CB-(1)

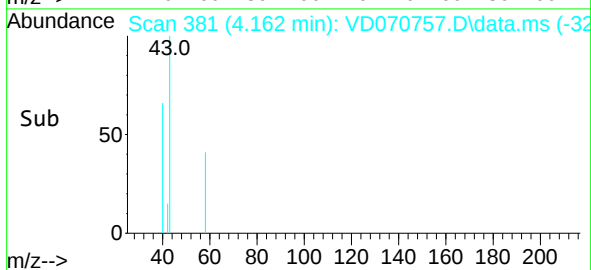
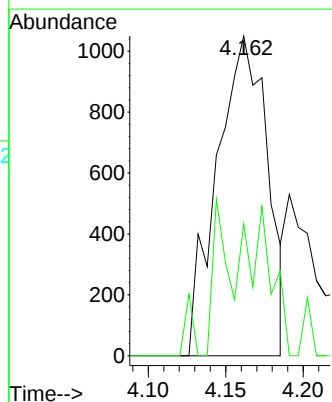
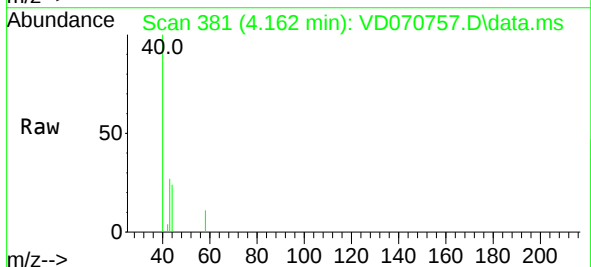
Tgt Ion: 59 Resp: 367
Ion Ratio Lower Upper
59 100
57 0.0 4.5 6.7#

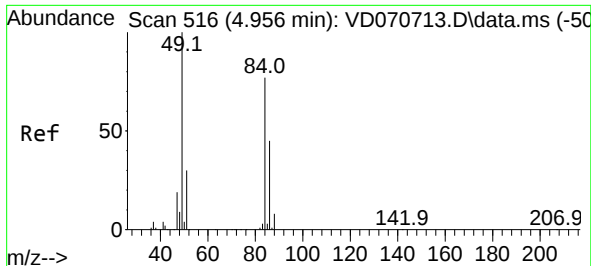


#16

Acetone
Concen: 2.038 ug/l
RT: 4.162 min Scan# 381
Delta R.T. 0.006 min
Lab File: VD070757.D
Acq: 19 Oct 2021 14:33

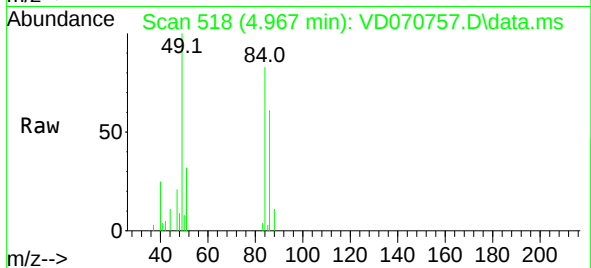
Tgt Ion: 43 Resp: 2377
Ion Ratio Lower Upper
43 100
58 41.2 28.2 42.2



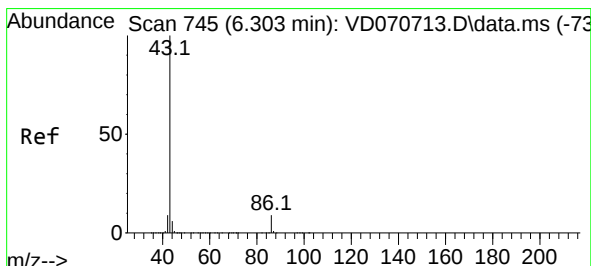
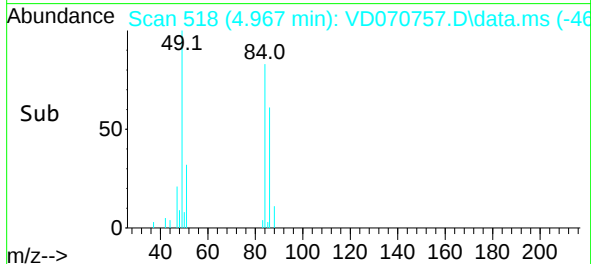
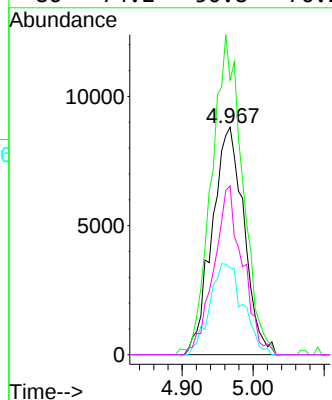


#20
Methylene Chloride
Concen: Below Cal
RT: 4.967 min Scan# 518
Delta R.T. 0.011 min
Lab File: VD070757.D
Acq: 19 Oct 2021 14:33

Instrument :
MSVOA_D
ClientSampleId :
MH-CB-(1)

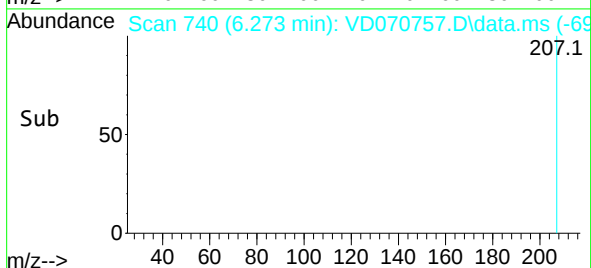
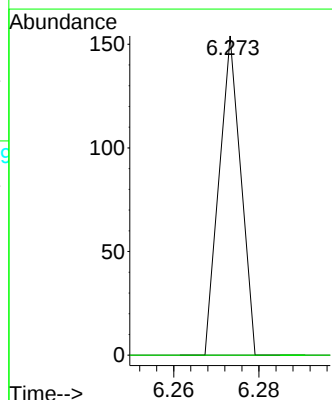
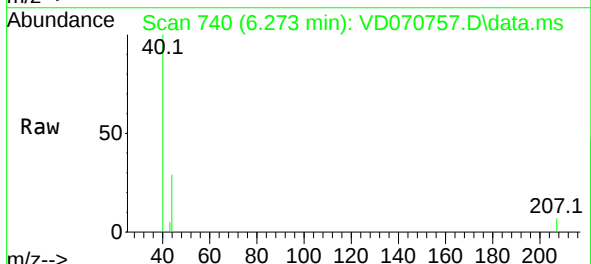


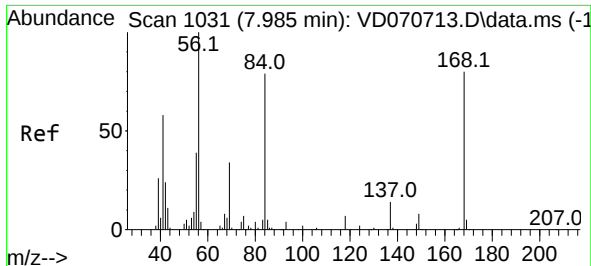
Tgt Ion:	84	Resp:	27436
Ion	Ratio	Lower	Upper
84	100		
49	120.8	91.4	137.2
51	38.3	26.7	40.1
86	74.2	50.8	76.2



#23
Vinyl Acetate
Concen: 16.335 ug/l
RT: 6.273 min Scan# 740
Delta R.T. -0.030 min
Lab File: VD070757.D
Acq: 19 Oct 2021 14:33

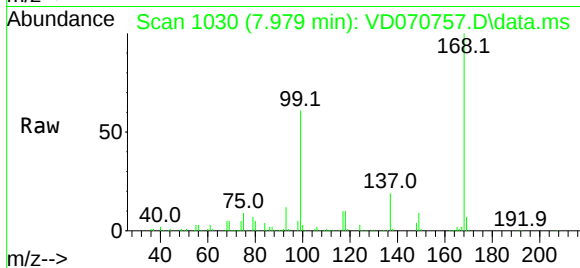
Tgt Ion:	43	Resp:	54
Ion	Ratio	Lower	Upper
43	100		
86	0.0	9.8	14.6#



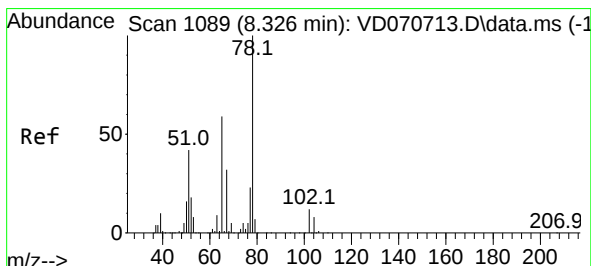
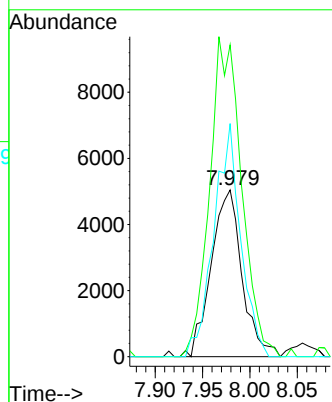
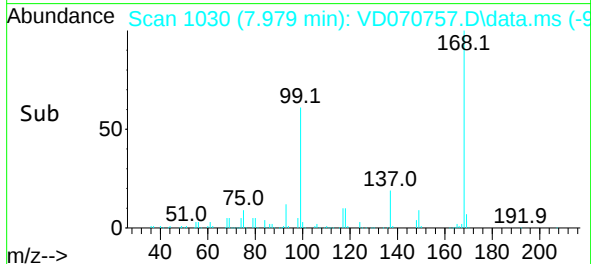


#31
Cyclohexane
Concen: 1.169 ug/l
RT: 7.979 min Scan# 1030
Delta R.T. -0.006 min
Lab File: VD070757.D
Acq: 19 Oct 2021 14:33

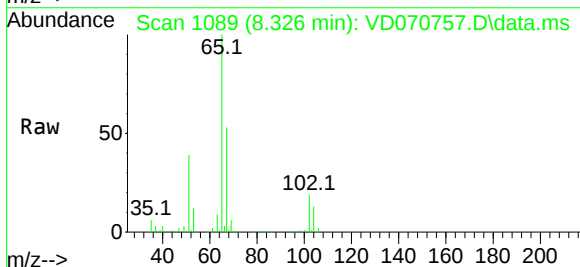
Instrument :
MSVOA_D
ClientSampleId :
MH-CB-(1)



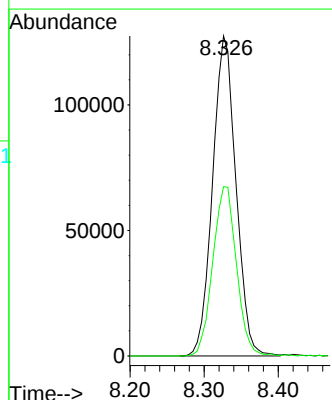
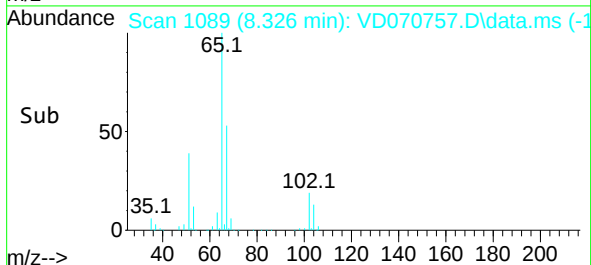
Tgt Ion: 56 Resp: 11432
Ion Ratio Lower Upper
56 100
69 187.0 27.4 41.2#
84 148.3 73.6 110.4#

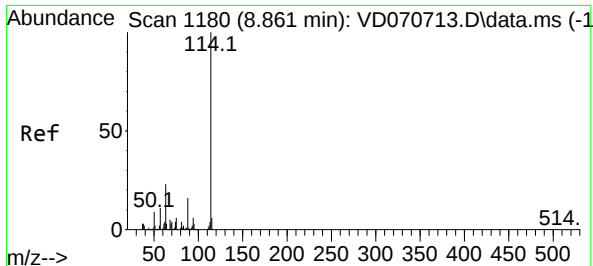


#33
1,2-Dichloroethane-d4
Concen: 57.750 ug/l
RT: 8.326 min Scan# 1089
Delta R.T. 0.000 min
Lab File: VD070757.D
Acq: 19 Oct 2021 14:33



Tgt Ion: 65 Resp: 279237
Ion Ratio Lower Upper
65 100
67 53.6 0.0 110.2



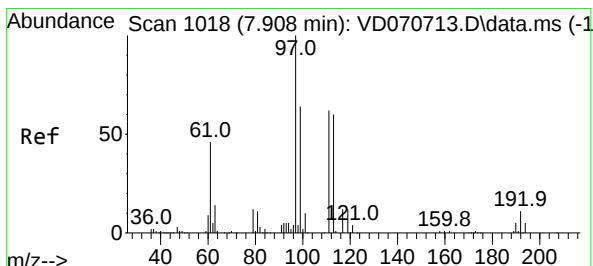
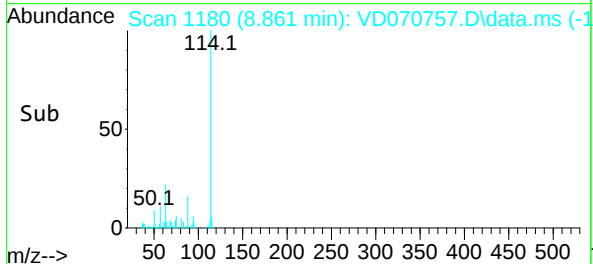
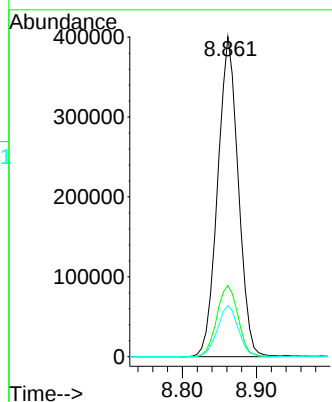
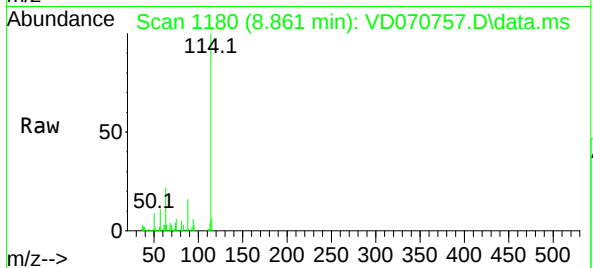


#34

1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.861 min Scan# 1180
Delta R.T. 0.000 min
Lab File: VD070757.D
Acq: 19 Oct 2021 14:33

Instrument :
MSVOA_D
ClientSampleId :
MH-CB-(1)

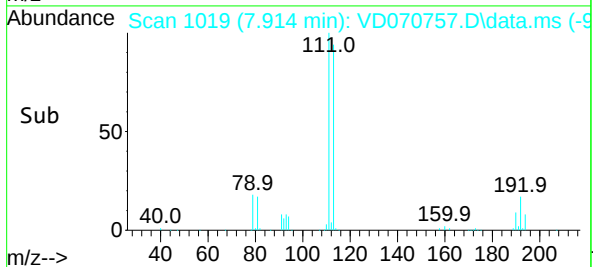
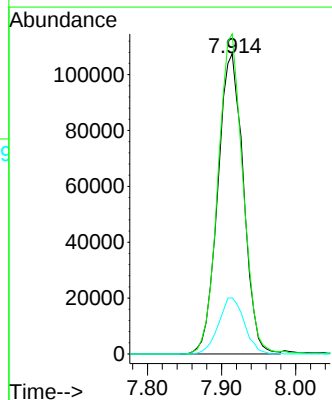
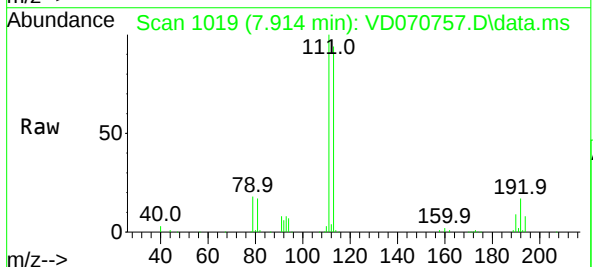
Tgt Ion:114	Resp: 771743
Ion Ratio	Lower Upper
114 100	
63 22.3	0.0 41.8
88 16.0	0.0 32.6

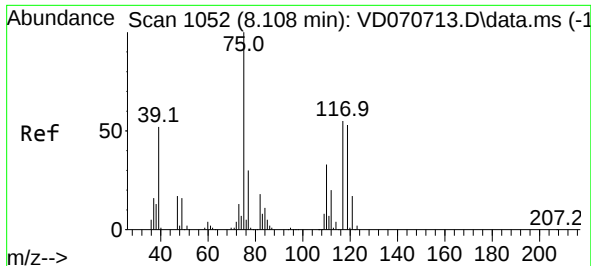


#35

Dibromofluoromethane
Concen: 52.180 ug/l
RT: 7.914 min Scan# 1019
Delta R.T. 0.006 min
Lab File: VD070757.D
Acq: 19 Oct 2021 14:33

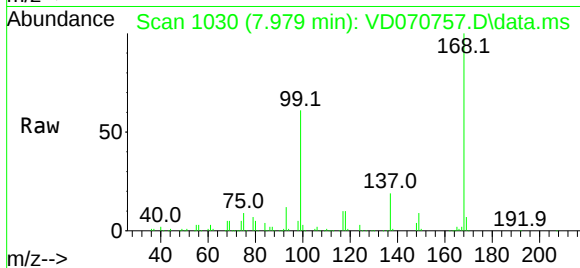
Tgt Ion:113	Resp: 257847
Ion Ratio	Lower Upper
113 100	
111 104.0	83.1 124.7
192 18.8	12.7 19.1



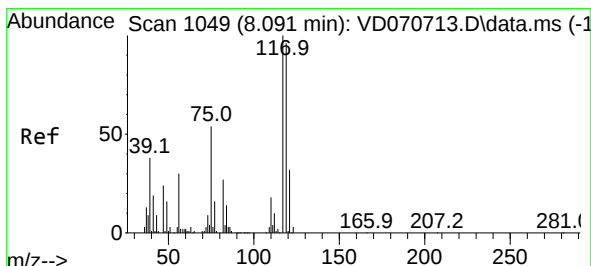
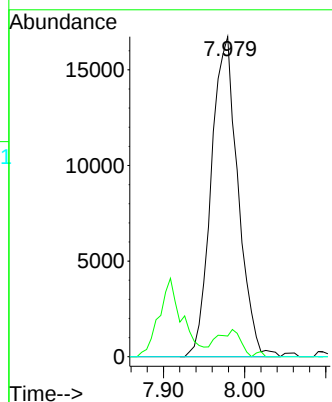
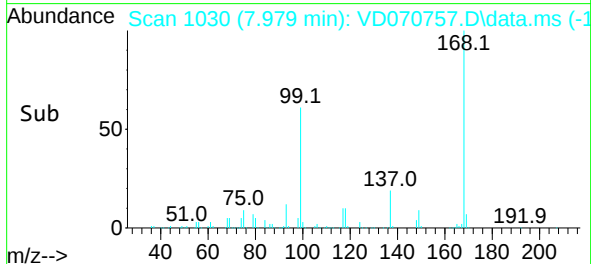


#36
1,1-Dichloropropene
Concen: 4.451 ug/l
RT: 7.979 min Scan# 1030
Delta R.T. -0.129 min
Lab File: VD070757.D
Acq: 19 Oct 2021 14:33

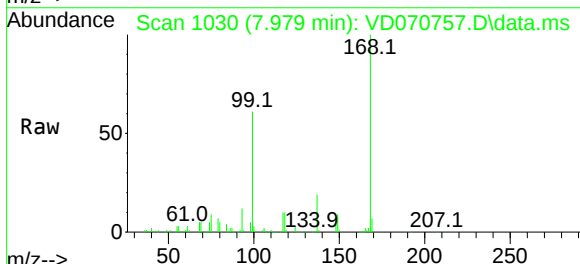
Instrument :
MSVOA_D
ClientSampleId :
MH-CB-(1)



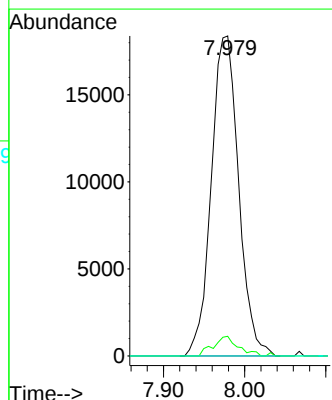
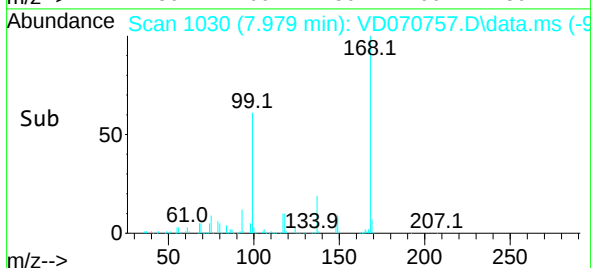
Tgt Ion: 75 Resp: 38270
Ion Ratio Lower Upper
75 100
110 7.7 17.2 51.6#
77 0.0 24.2 36.4#

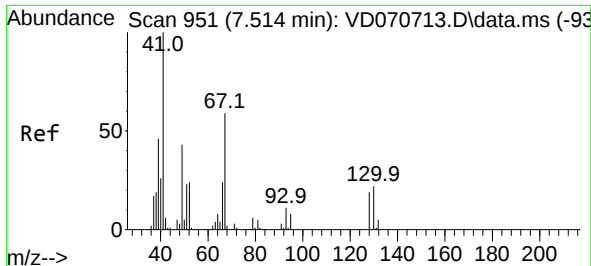


#38
Carbon Tetrachloride
Concen: 5.231 ug/l
RT: 7.979 min Scan# 1030
Delta R.T. -0.112 min
Lab File: VD070757.D
Acq: 19 Oct 2021 14:33



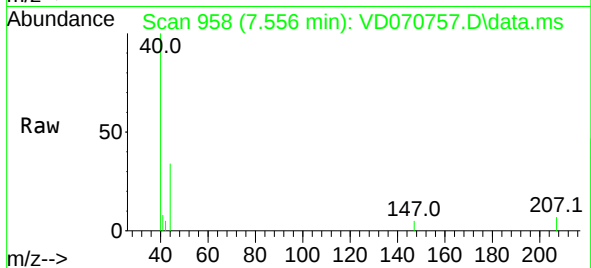
Tgt Ion: 117 Resp: 43076
Ion Ratio Lower Upper
117 100
119 6.1 77.4 116.0#
121 0.0 25.4 38.0#



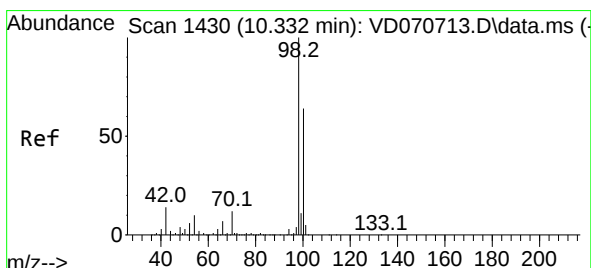
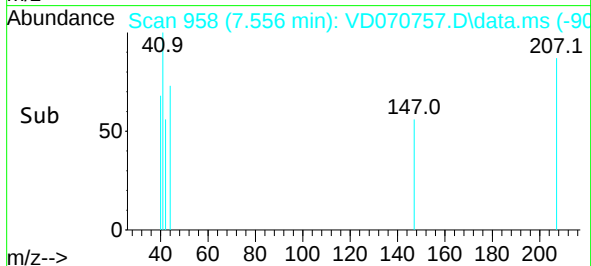
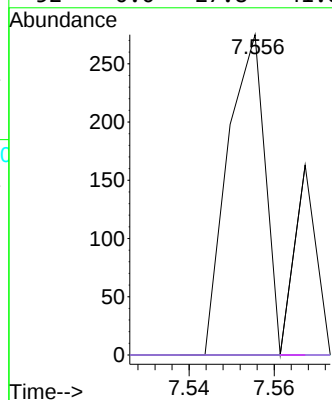


#41
Methacrylonitrile
Concen: 2.015 ug/l
RT: 7.556 min Scan# 958
Delta R.T. 0.042 min
Lab File: VD070757.D
Acq: 19 Oct 2021 14:33

Instrument :
MSVOA_D
ClientSampleId :
MH-CB-(1)

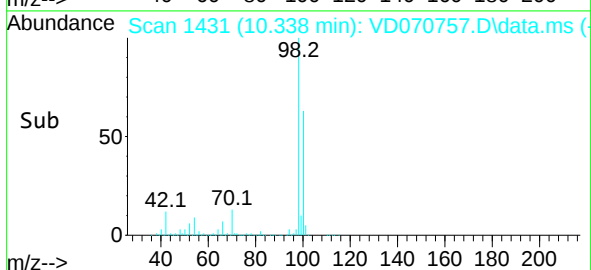
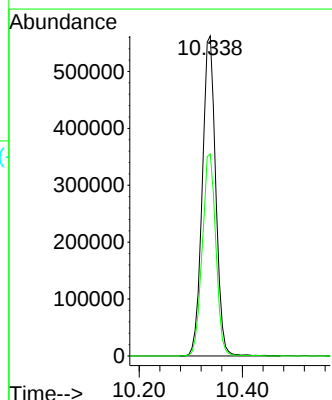
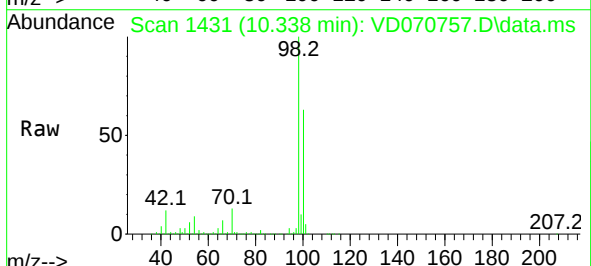


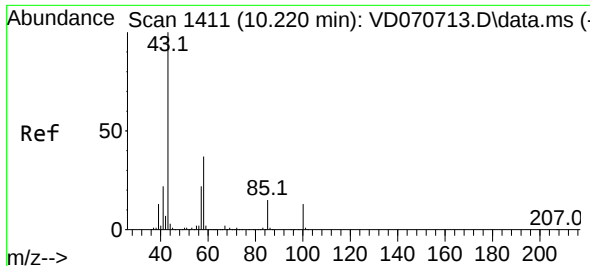
Tgt Ion:	41	Resp:	167
Ion	Ratio	Lower	Upper
41	100		
39	0.0	45.2	67.8#
67	0.0	75.8	113.6#
52	0.0	27.8	41.8#



#50
Toluene-d8
Concen: 53.409 ug/l
RT: 10.338 min Scan# 1431
Delta R.T. 0.006 min
Lab File: VD070757.D
Acq: 19 Oct 2021 14:33

Tgt Ion:	98	Resp:	1011702
Ion	Ratio	Lower	Upper
98	100		
100	63.9	52.2	78.4

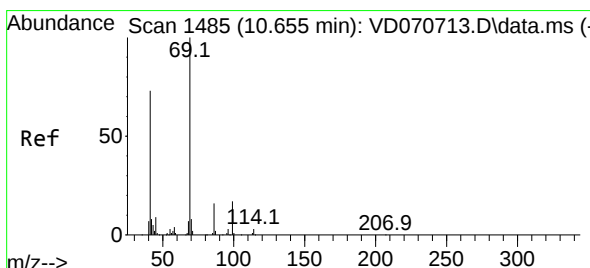
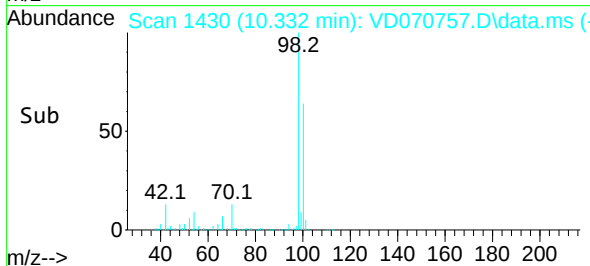
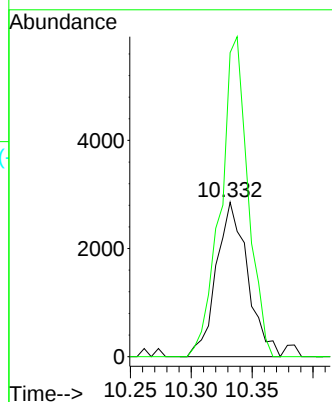
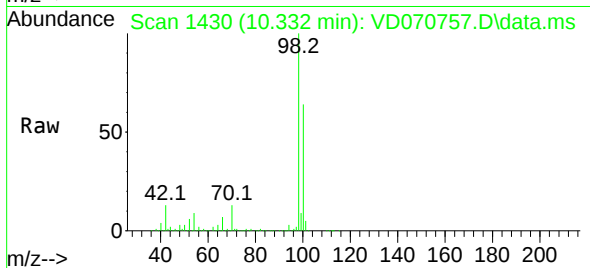




#51
4-Methyl-2-Pentanone
Concen: 1.426 ug/l
RT: 10.332 min Scan# 1430
Delta R.T. 0.112 min
Lab File: VD070757.D
Acq: 19 Oct 2021 14:33

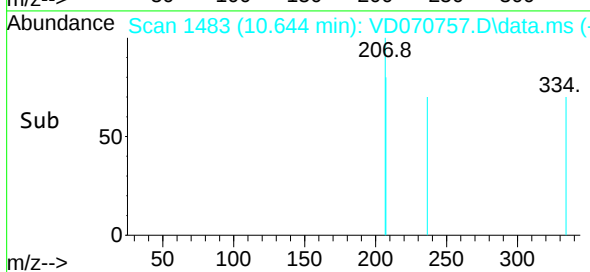
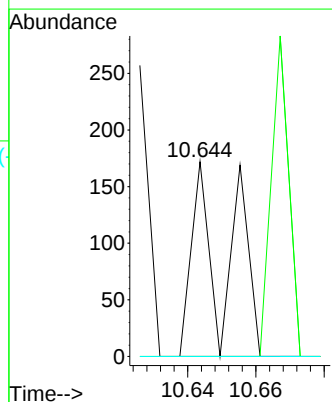
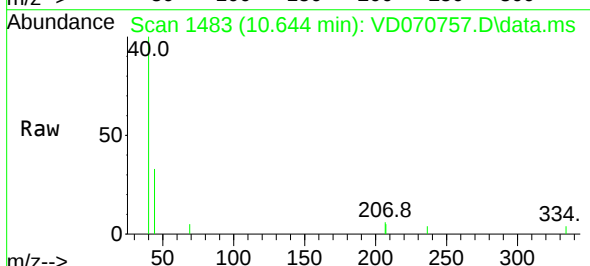
Instrument :
MSVOA_D
ClientSampleId :
MH-CB-(1)

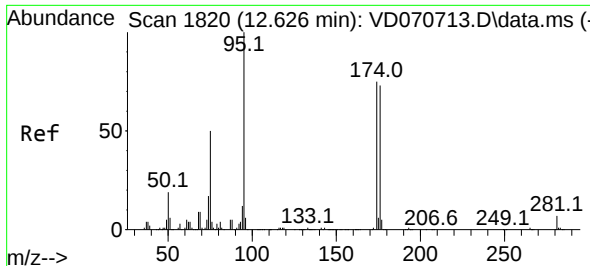
Tgt Ion: 43 Resp: 5107
Ion Ratio Lower Upper
43 100
58 182.1 35.0 52.6#



#56
Ethyl methacrylate
Concen: 4.174 ug/l
RT: 10.644 min Scan# 1483
Delta R.T. -0.011 min
Lab File: VD070757.D
Acq: 19 Oct 2021 14:33

Tgt Ion: 69 Resp: 120
Ion Ratio Lower Upper
69 100
41 0.0 44.7 67.1#
39 0.0 19.5 29.3#

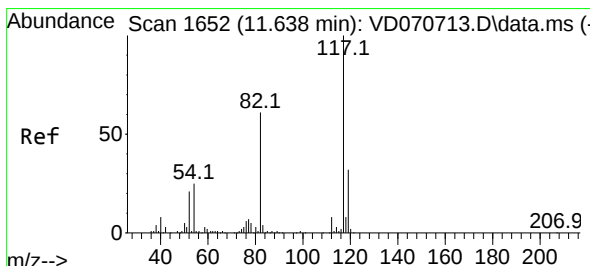
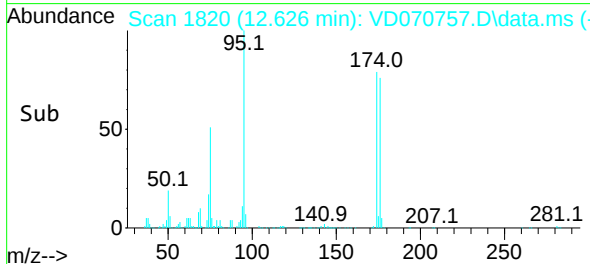
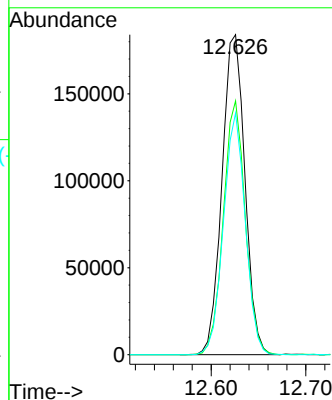
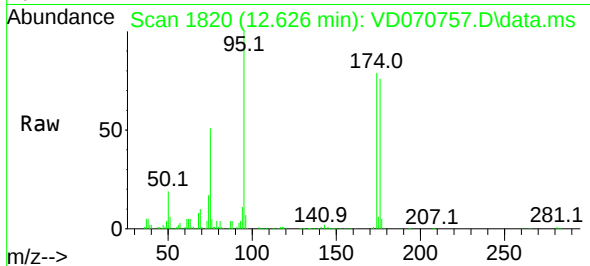




#62
4-Bromofluorobenzene
Concen: 47.454 ug/l
RT: 12.626 min Scan# 1820
Delta R.T. 0.000 min
Lab File: VD070757.D
Acq: 19 Oct 2021 14:33

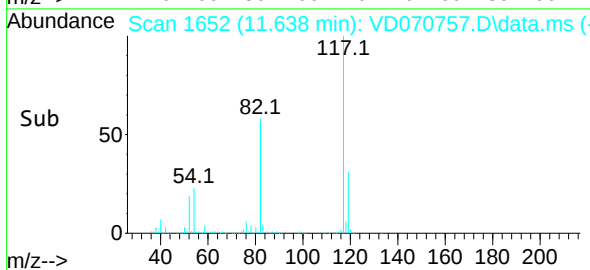
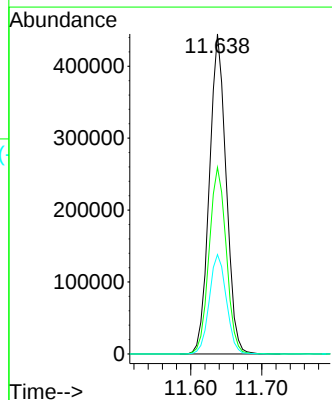
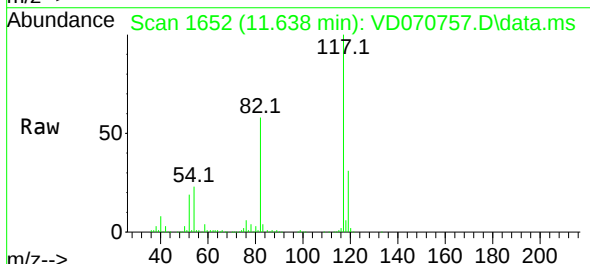
Instrument :
MSVOA_D
ClientSampleId :
MH-CB-(1)

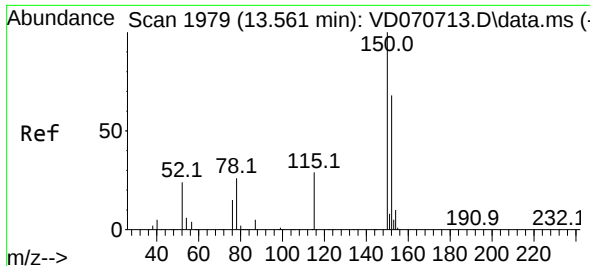
Tgt Ion: 95 Resp: 309520
Ion Ratio Lower Upper
95 100
174 76.0 0.0 138.0
176 71.8 0.0 135.6



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.638 min Scan# 1652
Delta R.T. 0.000 min
Lab File: VD070757.D
Acq: 19 Oct 2021 14:33

Tgt Ion: 117 Resp: 731030
Ion Ratio Lower Upper
117 100
82 58.3 45.4 68.2
119 31.0 24.7 37.1

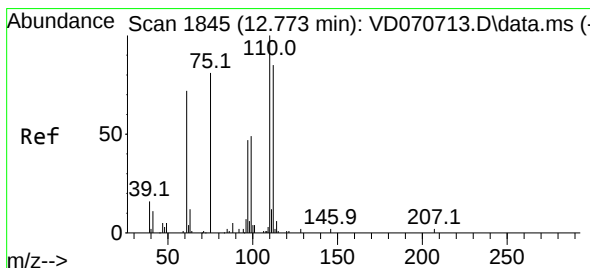
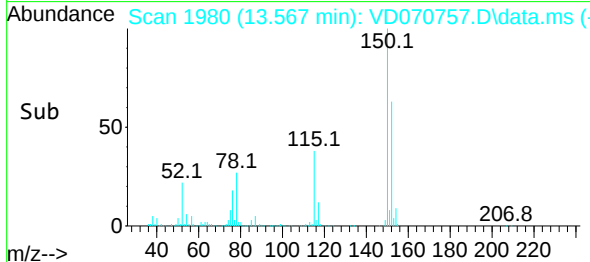
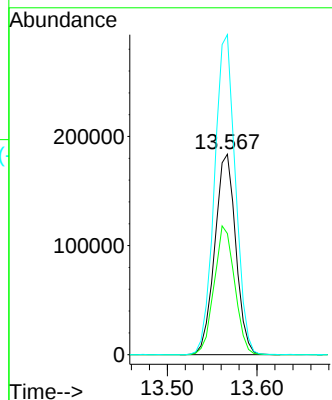
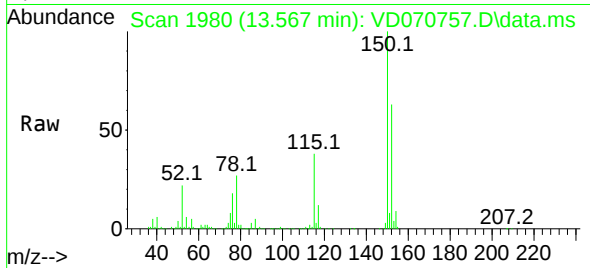




#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 13.567 min Scan# 1980
 Delta R.T. 0.006 min
 Lab File: VD070757.D
 Acq: 19 Oct 2021 14:33

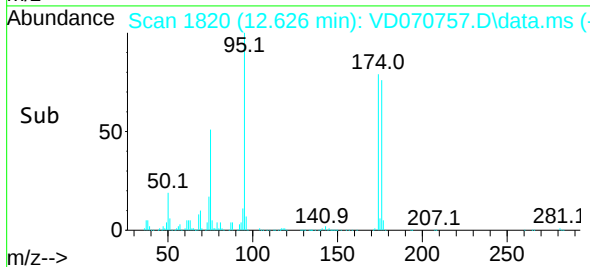
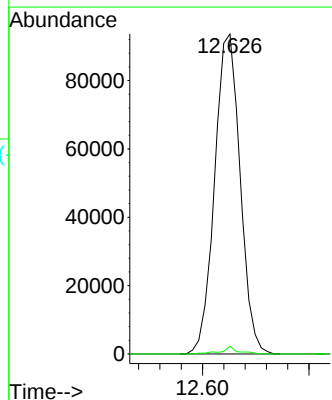
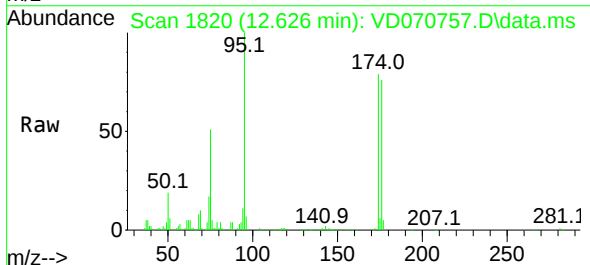
Instrument :
 MSVOA_D
 ClientSampleId :
 MH-CB-(1)

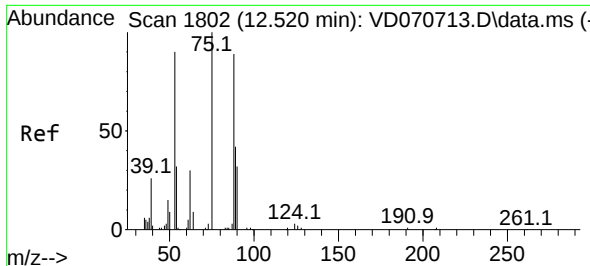
Tgt Ion:152 Resp: 298874
 Ion Ratio Lower Upper
 152 100
 115 62.8 31.9 95.7
 150 159.2 0.0 350.0



#76
 1,2,3-Trichloropropane
 Concen: 60.176 ug/l
 RT: 12.626 min Scan# 1820
 Delta R.T. -0.147 min
 Lab File: VD070757.D
 Acq: 19 Oct 2021 14:33

Tgt Ion: 75 Resp: 155384
 Ion Ratio Lower Upper
 75 100
 77 1.5 0.0 0.0#

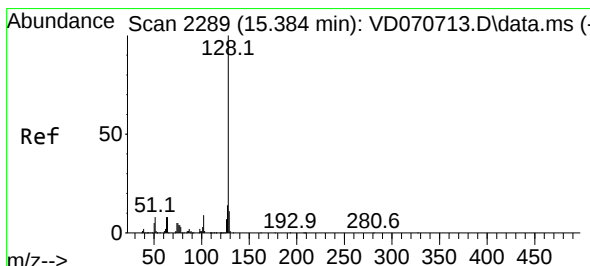
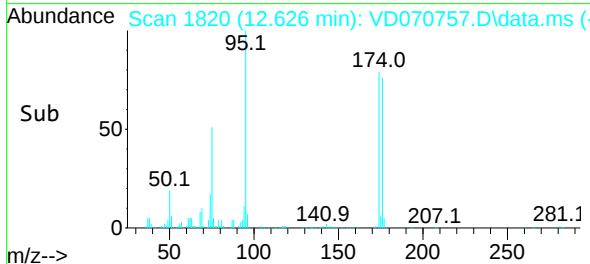
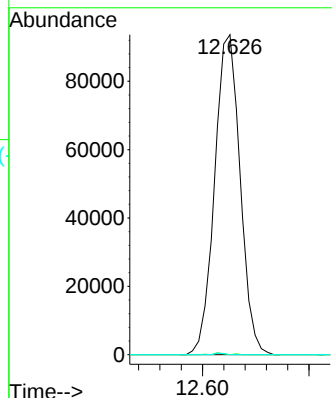
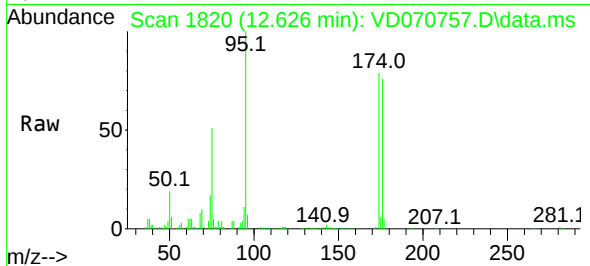




#81
trans-1,4-Dichloro-2-butene
Concen: 131.804 ug/l
RT: 12.626 min Scan# 1820
Delta R.T. 0.106 min
Lab File: VD070757.D
Acq: 19 Oct 2021 14:33

Instrument :
MSVOA_D
ClientSampleId :
MH-CB-(1)

Tgt Ion: 75 Resp: 155384
Ion Ratio Lower Upper
75 100
53 0.3 64.5 96.7#
89 0.2 35.3 52.9#



#95
Naphthalene
Concen: 4.813 ug/l
RT: 15.390 min Scan# 2290
Delta R.T. 0.006 min
Lab File: VD070757.D
Acq: 19 Oct 2021 14:33

Tgt Ion:128 Resp: 213
Ion Ratio Lower Upper
128 100
127 0.0 10.9 16.3#
129 0.0 8.6 12.8#

