

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD102721\
 Data File : VD070860.D
 Acq On : 27 Oct 2021 13:26
 Operator : VA/SY
 Sample : M4356-01
 Misc : 5.05G/5.00ml/MSVOA_D/SOIL
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :

Quant Time: Oct 28 03:55:07 2021
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D102621S.M
 Quant Title : SW846 8260
 QLast Update : Wed Oct 27 05:34:47 2021
 Response via : Initial Calibration

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

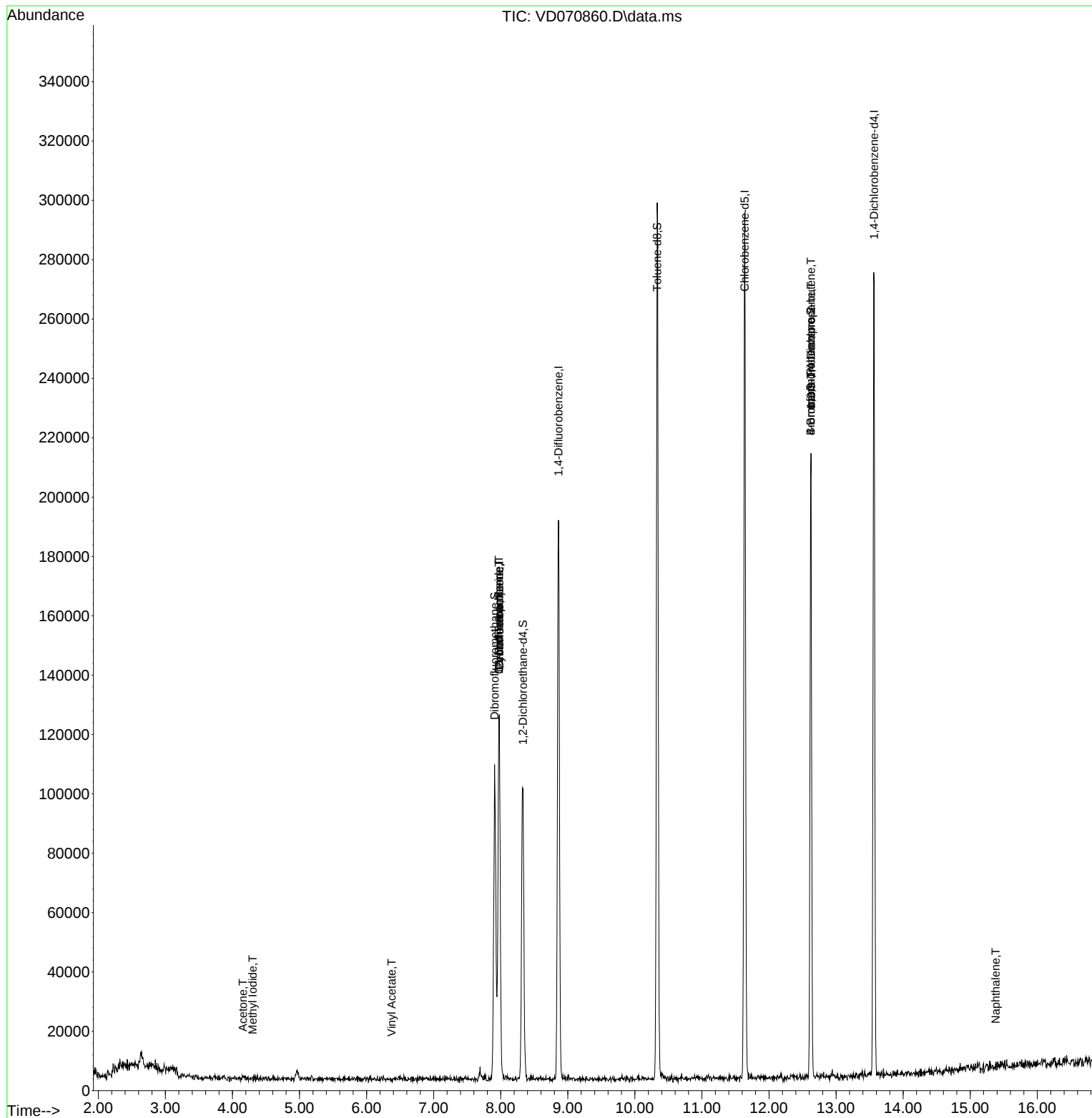
Internal Standards						
1) Pentafluorobenzene	7.979	168	93387	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.861	114	164908	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.638	117	177885	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.567	152	77157	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.332	65	80605	85.819	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 171.640%#			
35) Dibromofluoromethane	7.908	113	73744	67.822	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery = 135.640%			
50) Toluene-d8	10.332	98	213829	52.272	ug/l	0.00
Spiked Amount 50.000	Range 49 - 140		Recovery = 104.540%			
62) 4-Bromofluorobenzene	12.620	95	69090	51.189	ug/l	0.00
Spiked Amount 50.000	Range 25 - 144		Recovery = 102.380%			
Target Compounds						
					Qvalue	
5) Bromomethane	2.773	94	1400	Below Cal	#	56
10) Methyl Iodide	4.303	142	61	3.660	ug/l #	40
16) Acetone	4.156	43	845	3.867	ug/l #	40
20) Methylene Chloride	4.962	84	1983	Below Cal	#	69
23) Vinyl Acetate	6.373	43	142	14.501	ug/l #	72
31) Cyclohexane	7.979	56	2389	1.248	ug/l #	49
36) 1,1-Dichloropropene	7.973	75	8536	4.947	ug/l #	48
38) Carbon Tetrachloride	7.973	117	9488	5.468	ug/l #	19
71) Bromoform	12.620	173	956	1.336	ug/l #	29
76) 1,2,3-Trichloropropane	12.626	75	33096	43.574	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.626	75	33096	114.365	ug/l #	18
95) Naphthalene	15.379	128	72	4.151	ug/l #	69

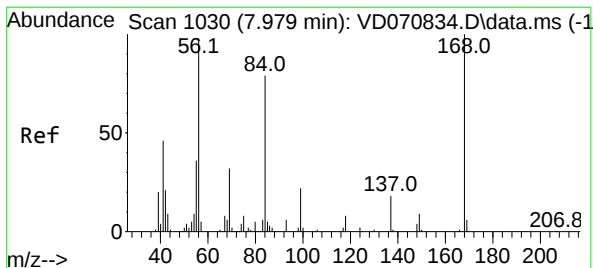
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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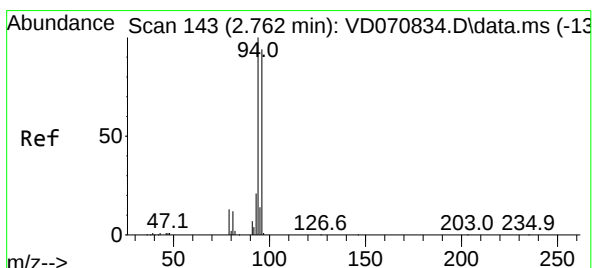
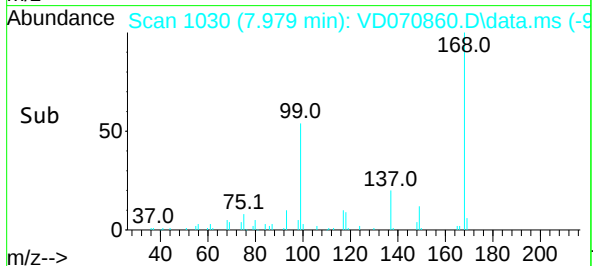
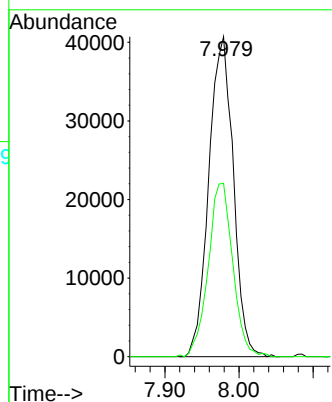
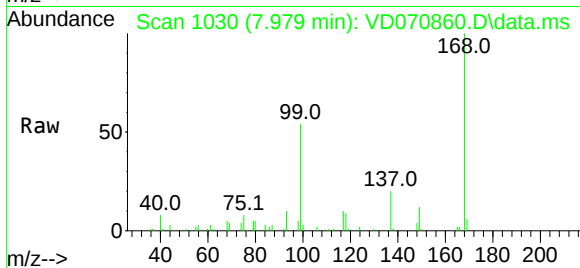




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.979 min Scan# 1030
Delta R.T. 0.000 min
Lab File: VD070860.D
Acq: 27 Oct 2021 13:26

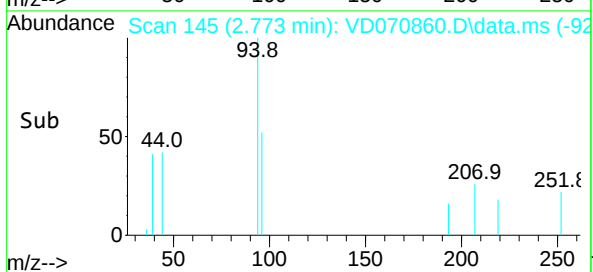
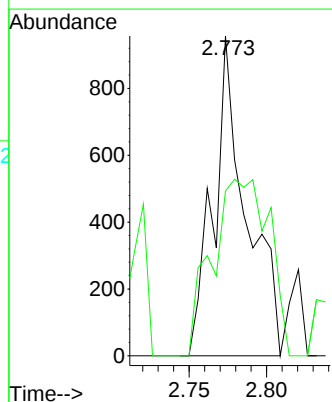
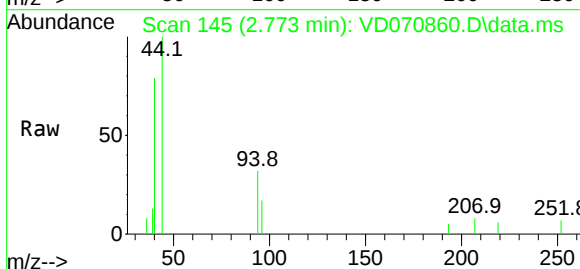
Instrument :
MSVOA_D
ClientSampled :

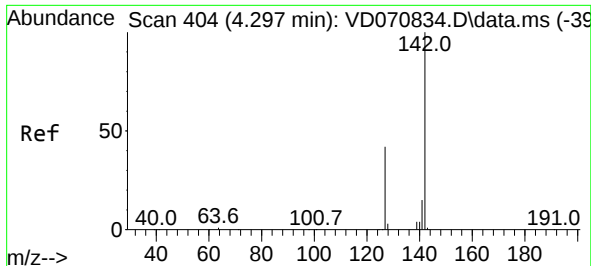
Tgt Ion:168 Resp: 93387
Ion Ratio Lower Upper
168 100
99 54.2 46.6 69.8



#5
Bromomethane
Concen: Below Cal
RT: 2.773 min Scan# 145
Delta R.T. 0.011 min
Lab File: VD070860.D
Acq: 27 Oct 2021 13:26

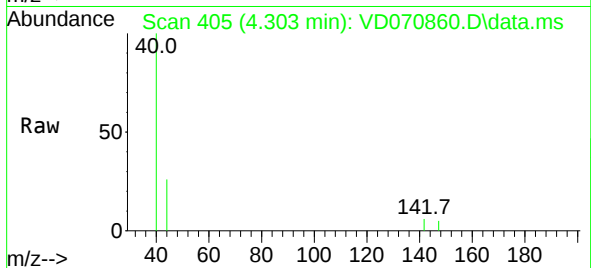
Tgt Ion: 94 Resp: 1400
Ion Ratio Lower Upper
94 100
96 51.5 74.8 112.2#



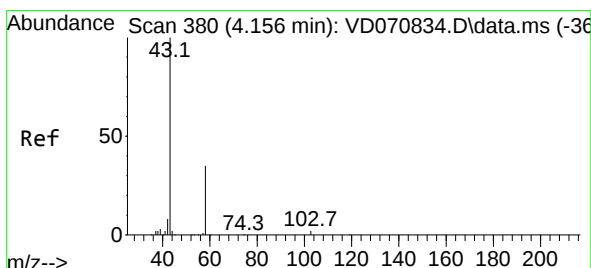
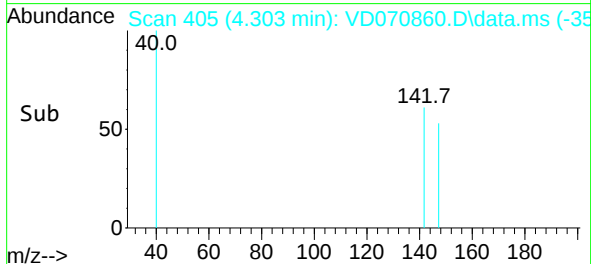
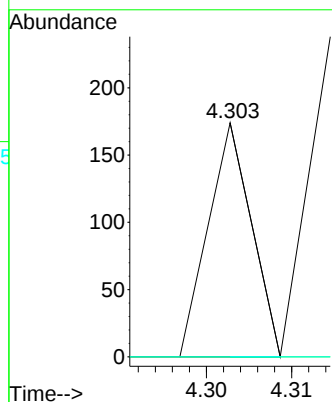


#10
Methyl Iodide
Concen: 3.660 ug/l
RT: 4.303 min Scan# 405
Delta R.T. 0.006 min
Lab File: VD070860.D
Acq: 27 Oct 2021 13:26

Instrument :
MSVOA_D
ClientSampled :

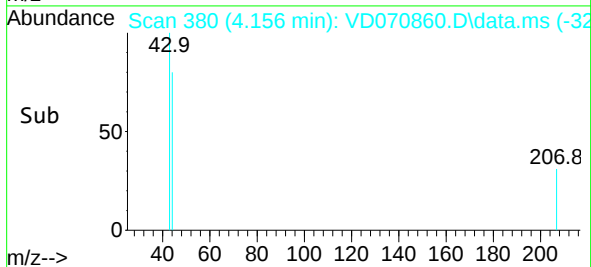
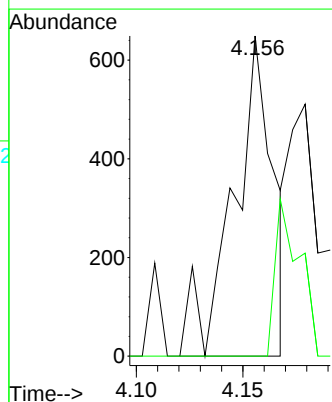
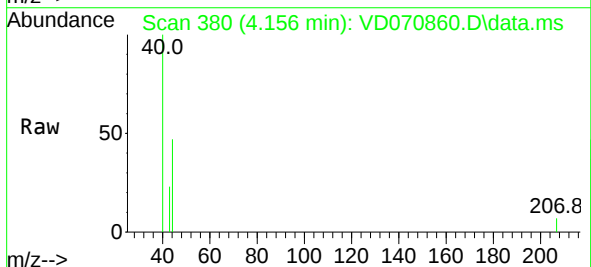


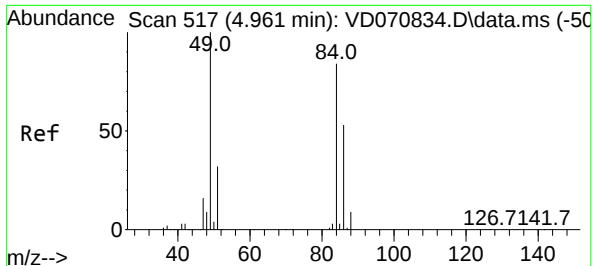
Tgt Ion:142 Resp: 61
Ion Ratio Lower Upper
142 100
127 0.0 35.0 52.4#
141 0.0 12.0 18.0#



#16
Acetone
Concen: 3.867 ug/l
RT: 4.156 min Scan# 380
Delta R.T. 0.000 min
Lab File: VD070860.D
Acq: 27 Oct 2021 13:26

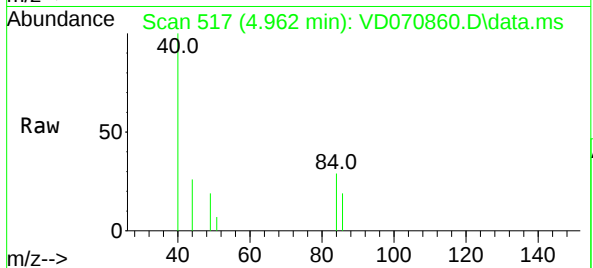
Tgt Ion: 43 Resp: 845
Ion Ratio Lower Upper
43 100
58 0.0 27.8 41.8#



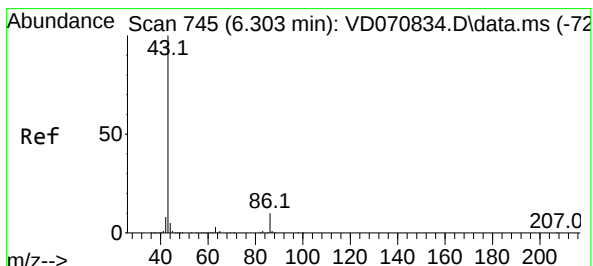
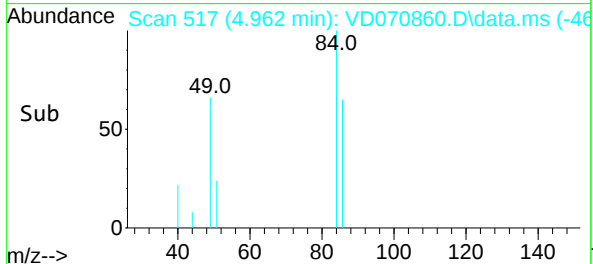
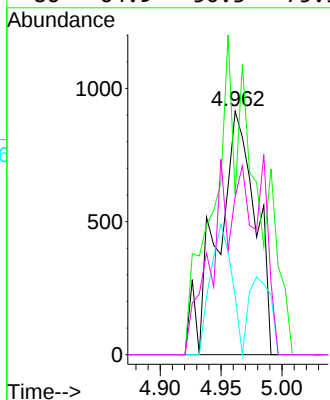


#20
Methylene Chloride
Concen: Below Cal
RT: 4.962 min Scan# 517
Delta R.T. 0.001 min
Lab File: VD070860.D
Acq: 27 Oct 2021 13:26

Instrument :
MSVOA_D
ClientSampled :

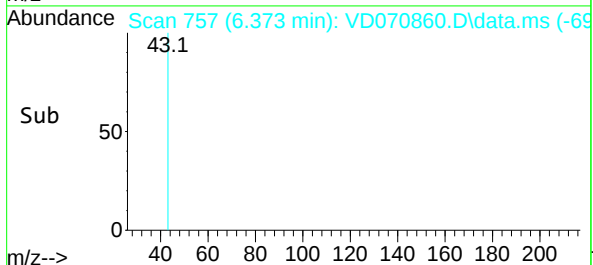
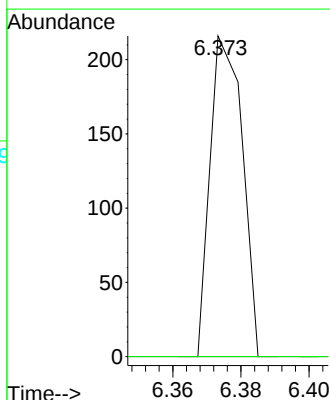
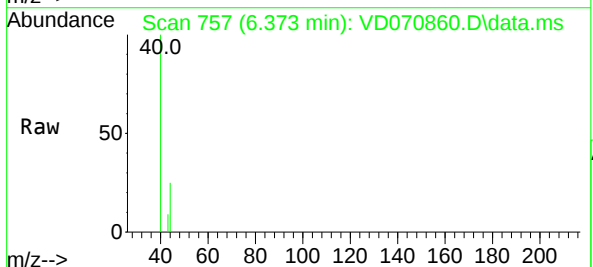


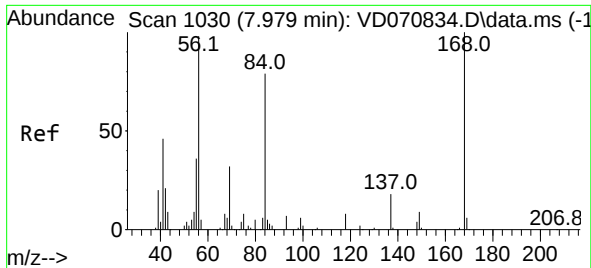
Tgt Ion:	84	Resp:	1983
Ion	Ratio	Lower	Upper
84	100		
49	65.6	95.8	143.6#
51	24.3	30.9	46.3#
86	64.9	50.3	75.5



#23
Vinyl Acetate
Concen: 14.501 ug/l
RT: 6.373 min Scan# 757
Delta R.T. 0.070 min
Lab File: VD070860.D
Acq: 27 Oct 2021 13:26

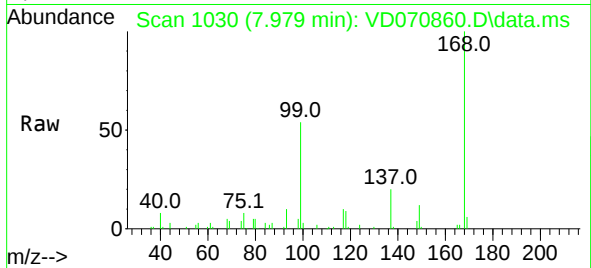
Tgt Ion:	43	Resp:	142
Ion	Ratio	Lower	Upper
43	100		
86	0.0	8.2	12.4#



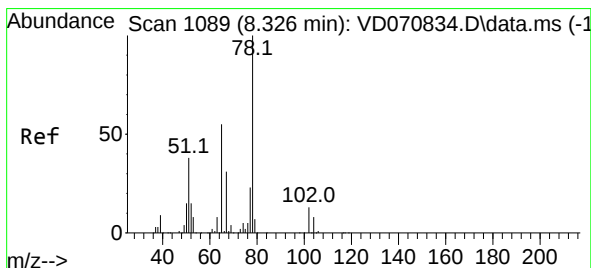
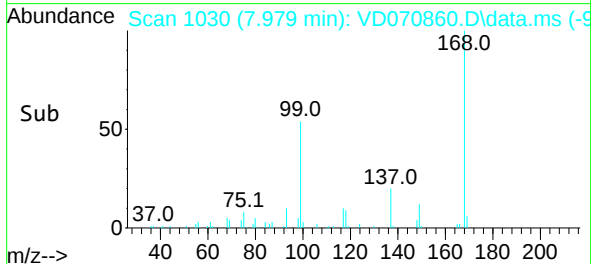
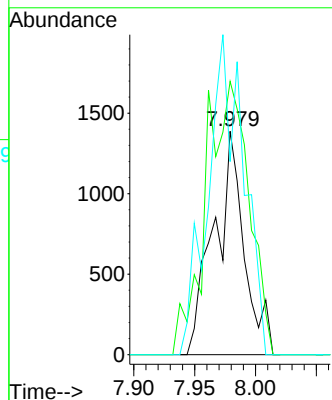


#31
Cyclohexane
Concen: 1.248 ug/l
RT: 7.979 min Scan# 1030
Delta R.T. 0.000 min
Lab File: VD070860.D
Acq: 27 Oct 2021 13:26

Instrument :
MSVOA_D
ClientSampled :

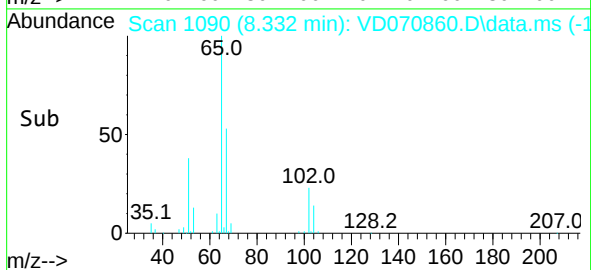
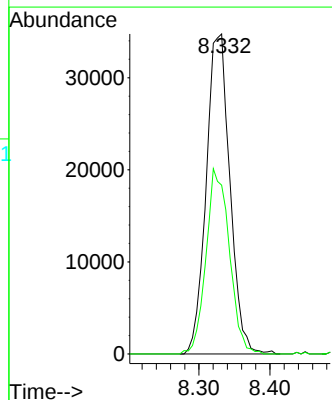
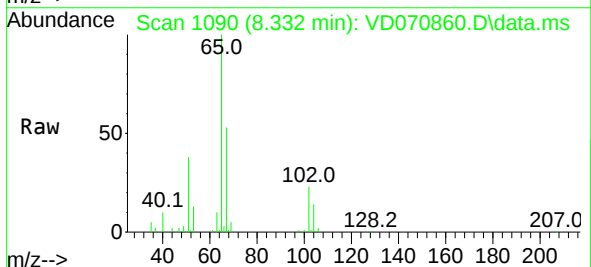


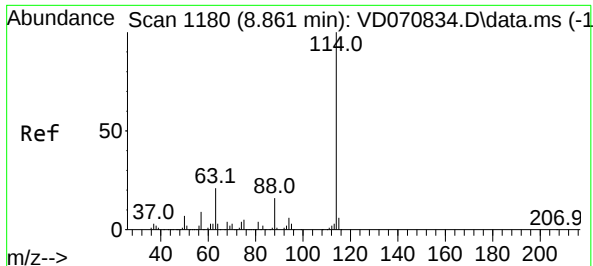
Tgt Ion: 56 Resp: 2389
Ion Ratio Lower Upper
56 100
69 122.3 25.9 38.9#
84 86.5 64.3 96.5



#33
1,2-Dichloroethane-d4
Concen: 85.819 ug/l
RT: 8.332 min Scan# 1090
Delta R.T. 0.006 min
Lab File: VD070860.D
Acq: 27 Oct 2021 13:26

Tgt Ion: 65 Resp: 80605
Ion Ratio Lower Upper
65 100
67 56.9 0.0 112.2



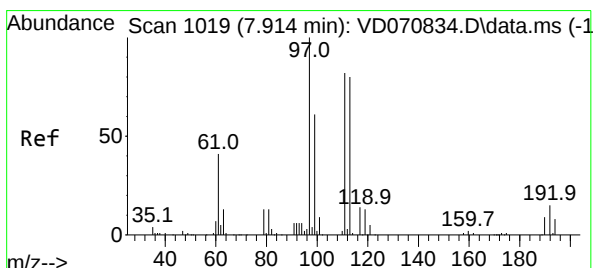
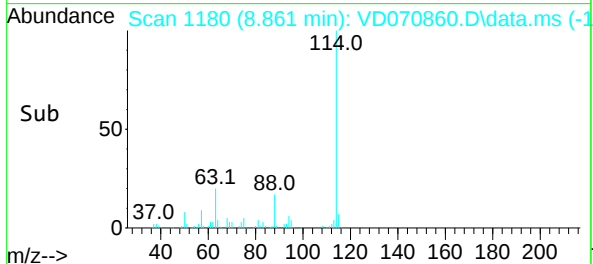
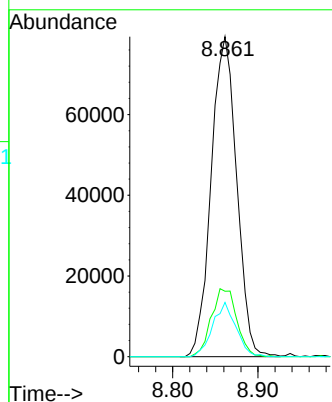
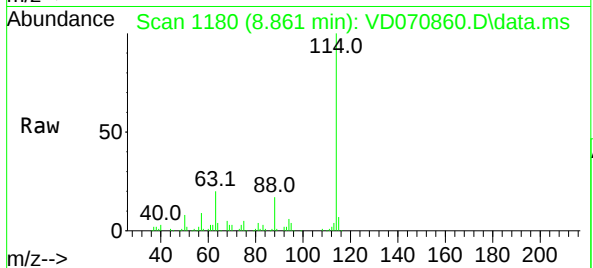


#34

1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.861 min Scan# 1180
Delta R.T. 0.000 min
Lab File: VD070860.D
Acq: 27 Oct 2021 13:26

Instrument :
MSVOA_D
ClientSampled :

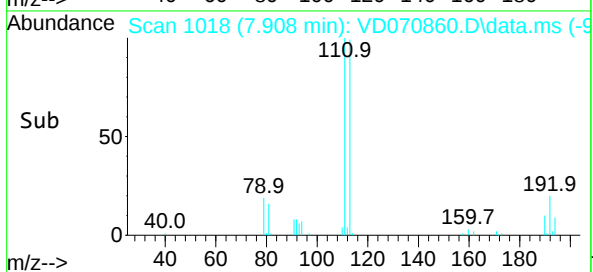
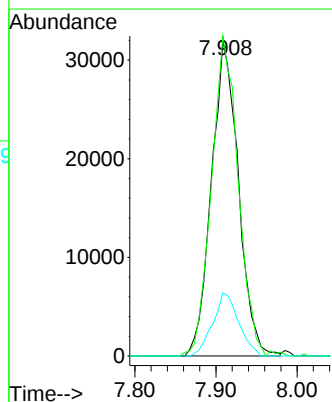
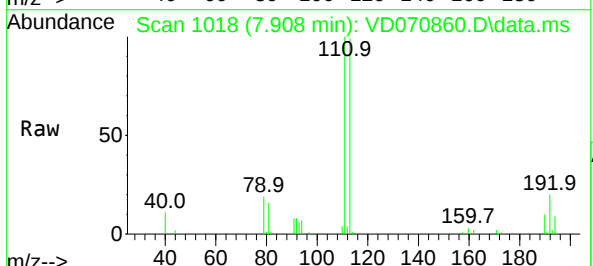
Tgt Ion:	114	Resp:	164908
Ion Ratio	Lower	Upper	
114	100		
63	20.5	0.0	41.8
88	17.0	0.0	32.8

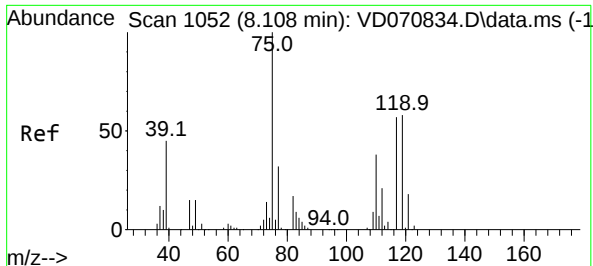


#35

Dibromofluoromethane
Concen: 67.822 ug/l
RT: 7.908 min Scan# 1018
Delta R.T. -0.006 min
Lab File: VD070860.D
Acq: 27 Oct 2021 13:26

Tgt Ion:	113	Resp:	73744
Ion Ratio	Lower	Upper	
113	100		
111	100.9	82.0	123.0
192	19.2	15.2	22.8

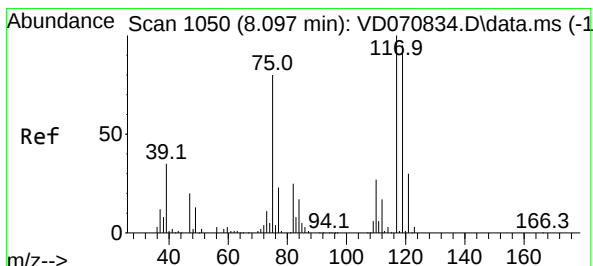
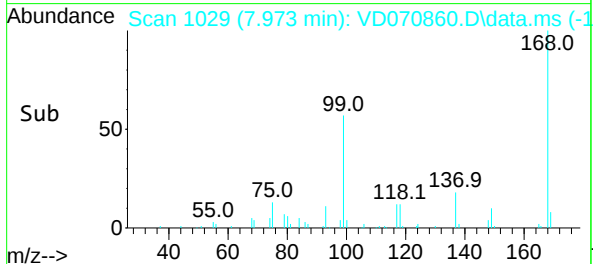
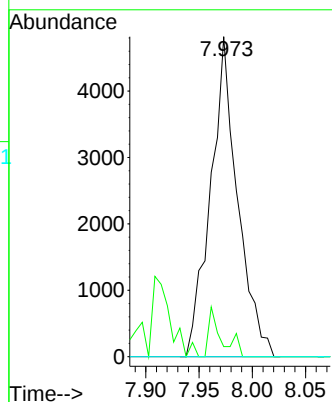
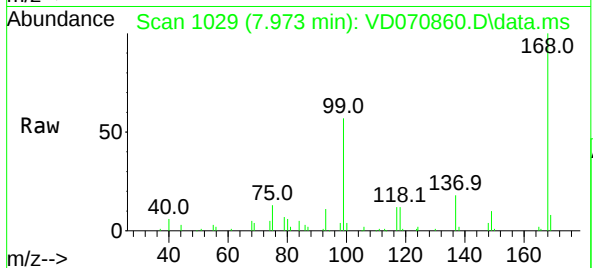




#36
1,1-Dichloropropene
Concen: 4.947 ug/l
RT: 7.973 min Scan# 1029
Delta R.T. -0.135 min
Lab File: VD070860.D
Acq: 27 Oct 2021 13:26

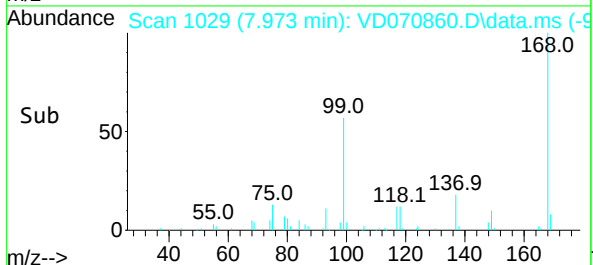
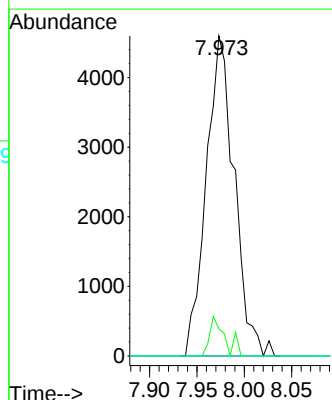
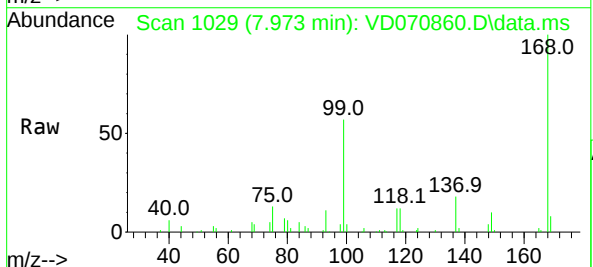
Instrument :
MSVOA_D
ClientSampled :

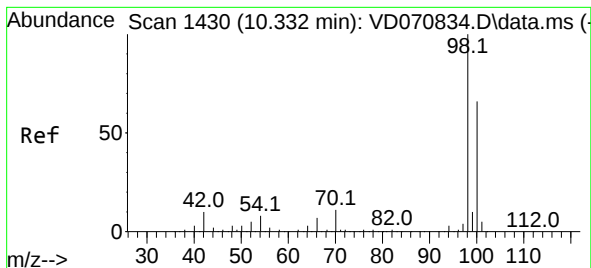
Tgt Ion: 75 Resp: 8536
Ion Ratio Lower Upper
75 100
110 7.3 17.8 53.4#
77 0.0 24.8 37.2#



#38
Carbon Tetrachloride
Concen: 5.468 ug/l
RT: 7.973 min Scan# 1029
Delta R.T. -0.123 min
Lab File: VD070860.D
Acq: 27 Oct 2021 13:26

Tgt Ion: 117 Resp: 9488
Ion Ratio Lower Upper
117 100
119 8.5 75.8 113.6#
121 0.0 23.6 35.4#

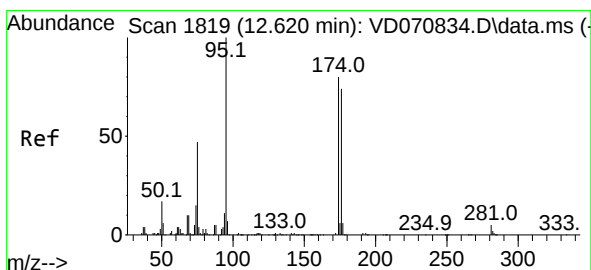
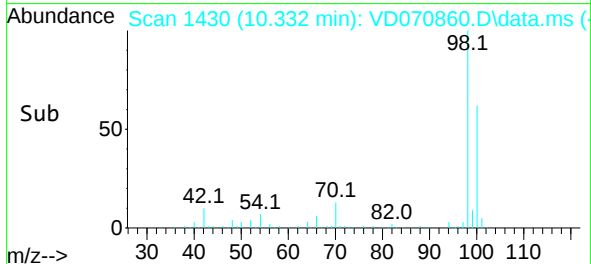
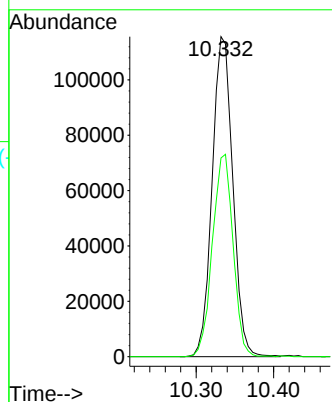
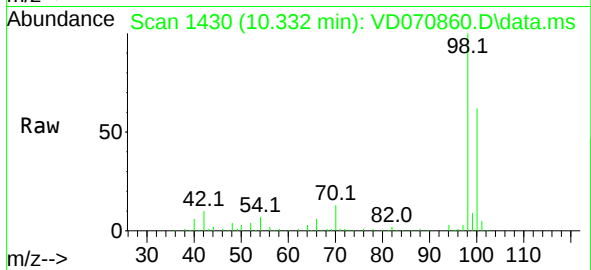




#50
Toluene-d8
Concen: 52.272 ug/l
RT: 10.332 min Scan# 1430
Delta R.T. 0.000 min
Lab File: VD070860.D
Acq: 27 Oct 2021 13:26

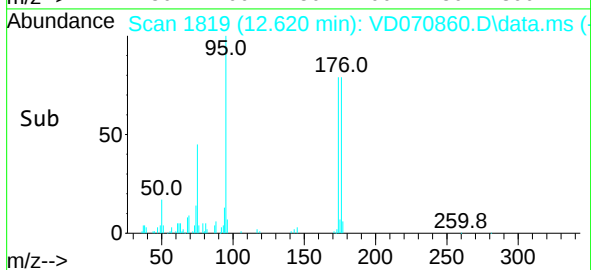
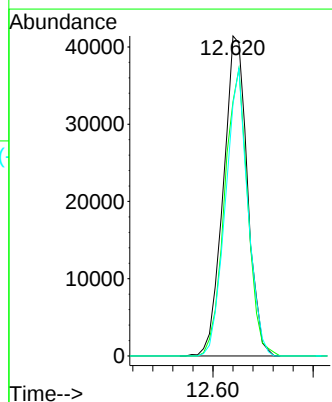
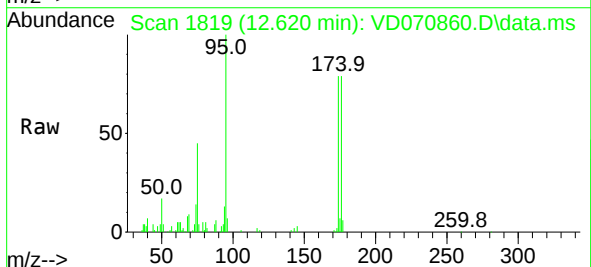
Instrument :
MSVOA_D
ClientSampled :

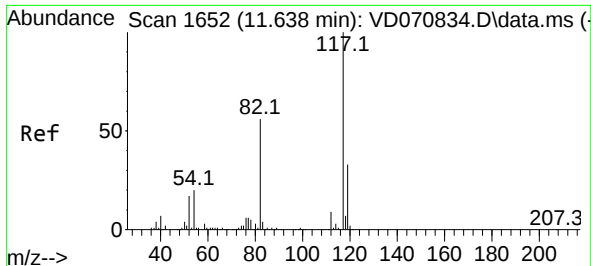
Tgt Ion: 98 Resp: 213829
Ion Ratio Lower Upper
98 100
100 63.3 51.8 77.6



#62
4-Bromofluorobenzene
Concen: 51.189 ug/l
RT: 12.620 min Scan# 1819
Delta R.T. 0.000 min
Lab File: VD070860.D
Acq: 27 Oct 2021 13:26

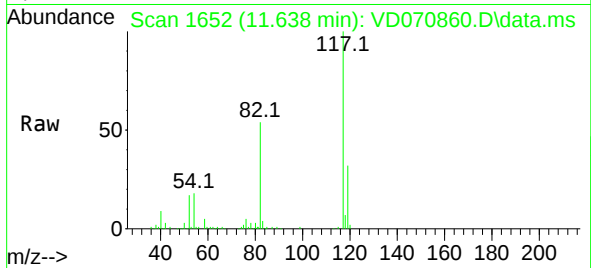
Tgt Ion: 95 Resp: 69090
Ion Ratio Lower Upper
95 100
174 85.7 0.0 159.4
176 83.1 0.0 154.0



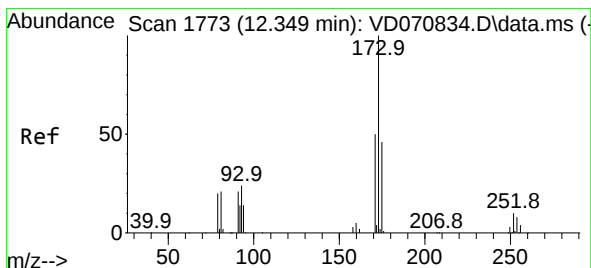
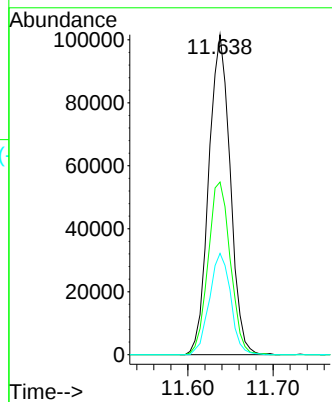
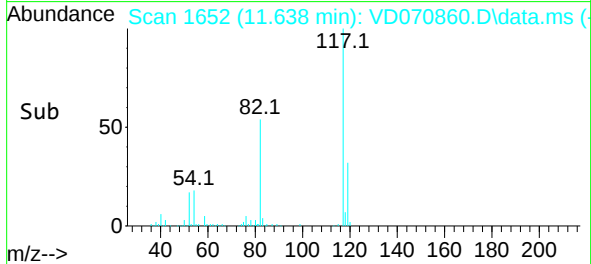


#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.638 min Scan# 1652
Delta R.T. 0.000 min
Lab File: VD070860.D
Acq: 27 Oct 2021 13:26

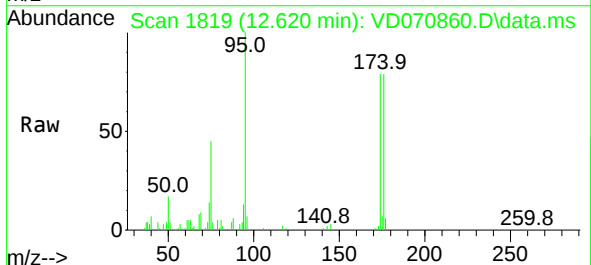
Instrument :
MSVOA_D
ClientSampleId :



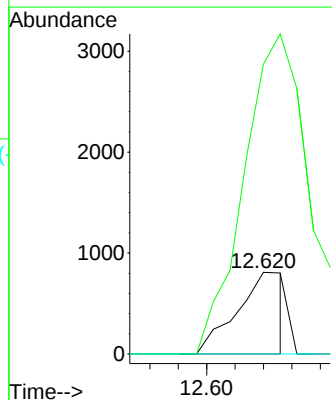
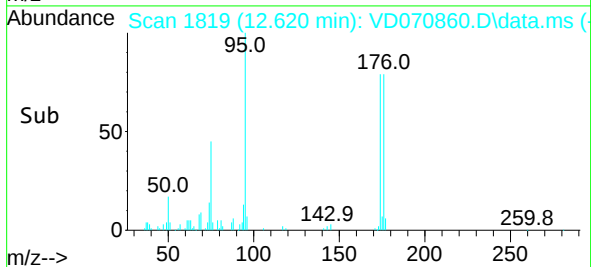
Tgt Ion:117 Resp: 177885
Ion Ratio Lower Upper
117 100
82 53.9 44.7 67.1
119 31.7 26.2 39.4

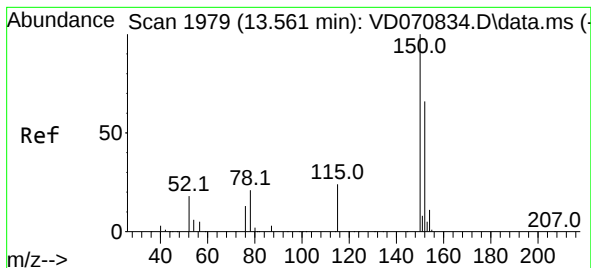


#71
Bromoform
Concen: 1.336 ug/l
RT: 12.620 min Scan# 1819
Delta R.T. 0.271 min
Lab File: VD070860.D
Acq: 27 Oct 2021 13:26



Tgt Ion:173 Resp: 956
Ion Ratio Lower Upper
173 100
175 0.0 24.1 72.2#
254 0.0 0.1 0.1#

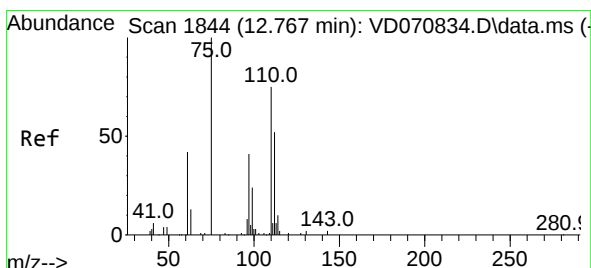
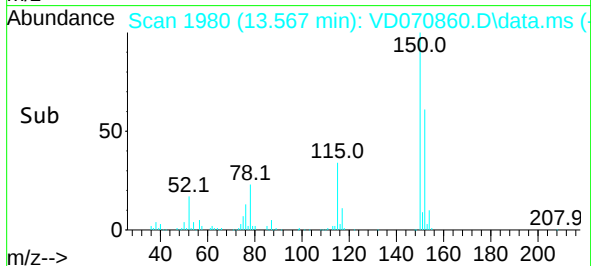
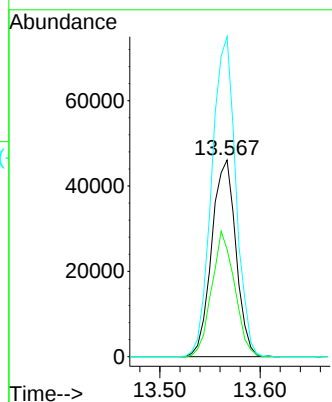
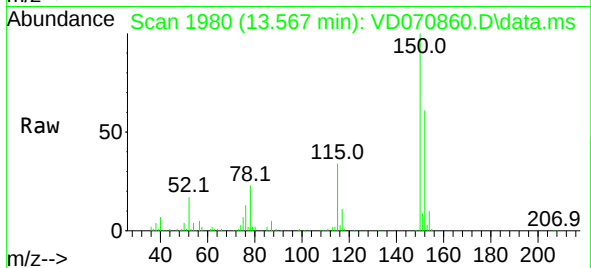




#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 13.567 min Scan# 1980
 Delta R.T. 0.006 min
 Lab File: VD070860.D
 Acq: 27 Oct 2021 13:26

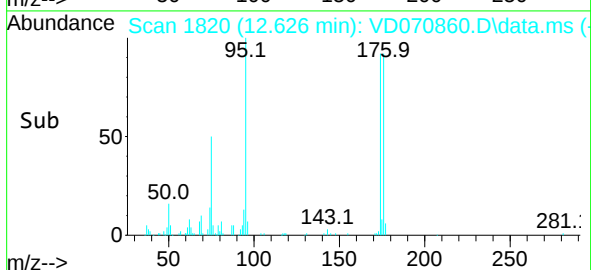
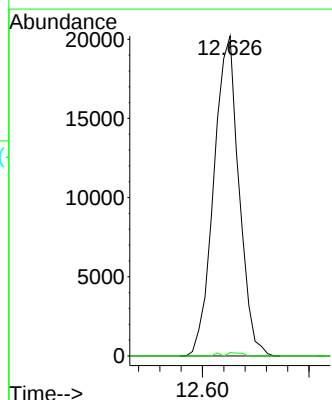
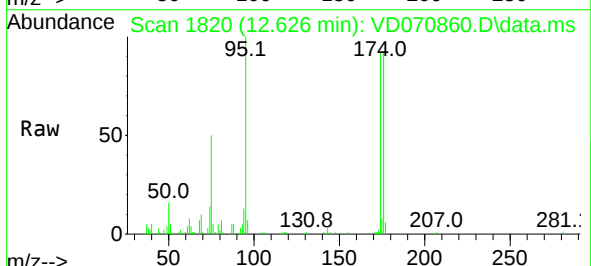
Instrument :
 MSVOA_D
 ClientSampled :

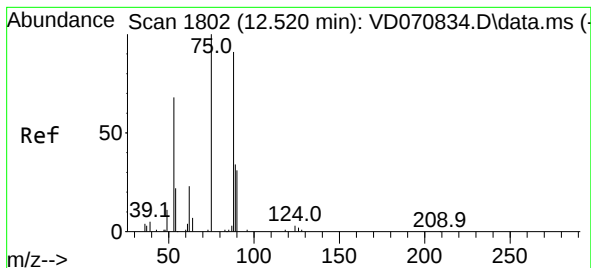
Tgt Ion:152 Resp: 77157
 Ion Ratio Lower Upper
 152 100
 115 60.5 29.8 89.3
 150 161.9 0.0 349.2



#76
 1,2,3-Trichloropropane
 Concen: 43.574 ug/l
 RT: 12.626 min Scan# 1820
 Delta R.T. -0.141 min
 Lab File: VD070860.D
 Acq: 27 Oct 2021 13:26

Tgt Ion: 75 Resp: 33096
 Ion Ratio Lower Upper
 75 100
 77 0.8 158.4 475.3#

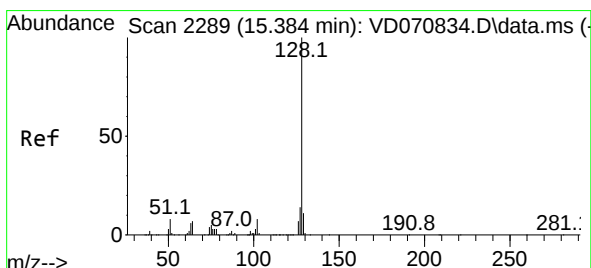
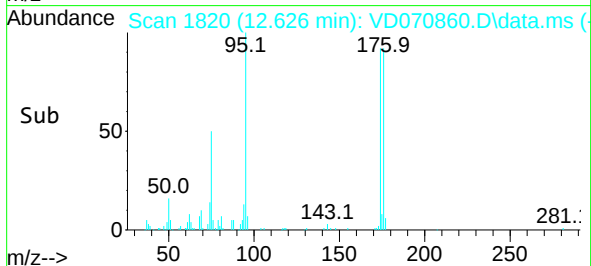
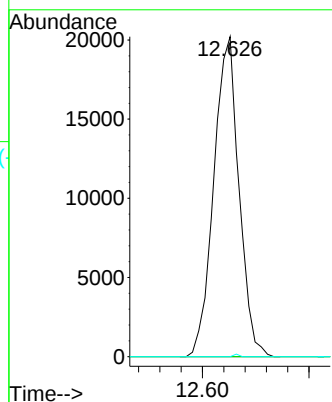
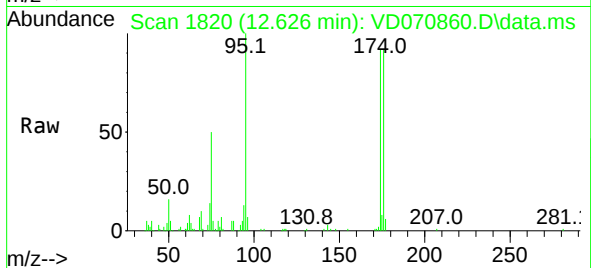




#81
trans-1,4-Dichloro-2-butene
Concen: 114.365 ug/l
RT: 12.626 min Scan# 1820
Delta R.T. 0.106 min
Lab File: VD070860.D
Acq: 27 Oct 2021 13:26

Instrument :
MSVOA_D
ClientSampleId :

Tgt Ion: 75 Resp: 33096
Ion Ratio Lower Upper
75 100
53 0.0 62.6 94.0#
89 0.2 34.5 51.7#



#95
Naphthalene
Concen: 4.151 ug/l
RT: 15.379 min Scan# 2288
Delta R.T. -0.005 min
Lab File: VD070860.D
Acq: 27 Oct 2021 13:26

Tgt Ion:128 Resp: 72
Ion Ratio Lower Upper
128 100
127 0.0 10.7 16.1#
129 0.0 8.7 13.1#

