

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD102721\
 Data File : VD070868.D
 Acq On : 27 Oct 2021 17:13
 Operator : VA/SY
 Sample : M4358-07
 Misc : 5.31G/5.00ml/MSVOA_D/SOIL
 ALS Vial : 17 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :

Quant Time: Oct 28 03:58:02 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)

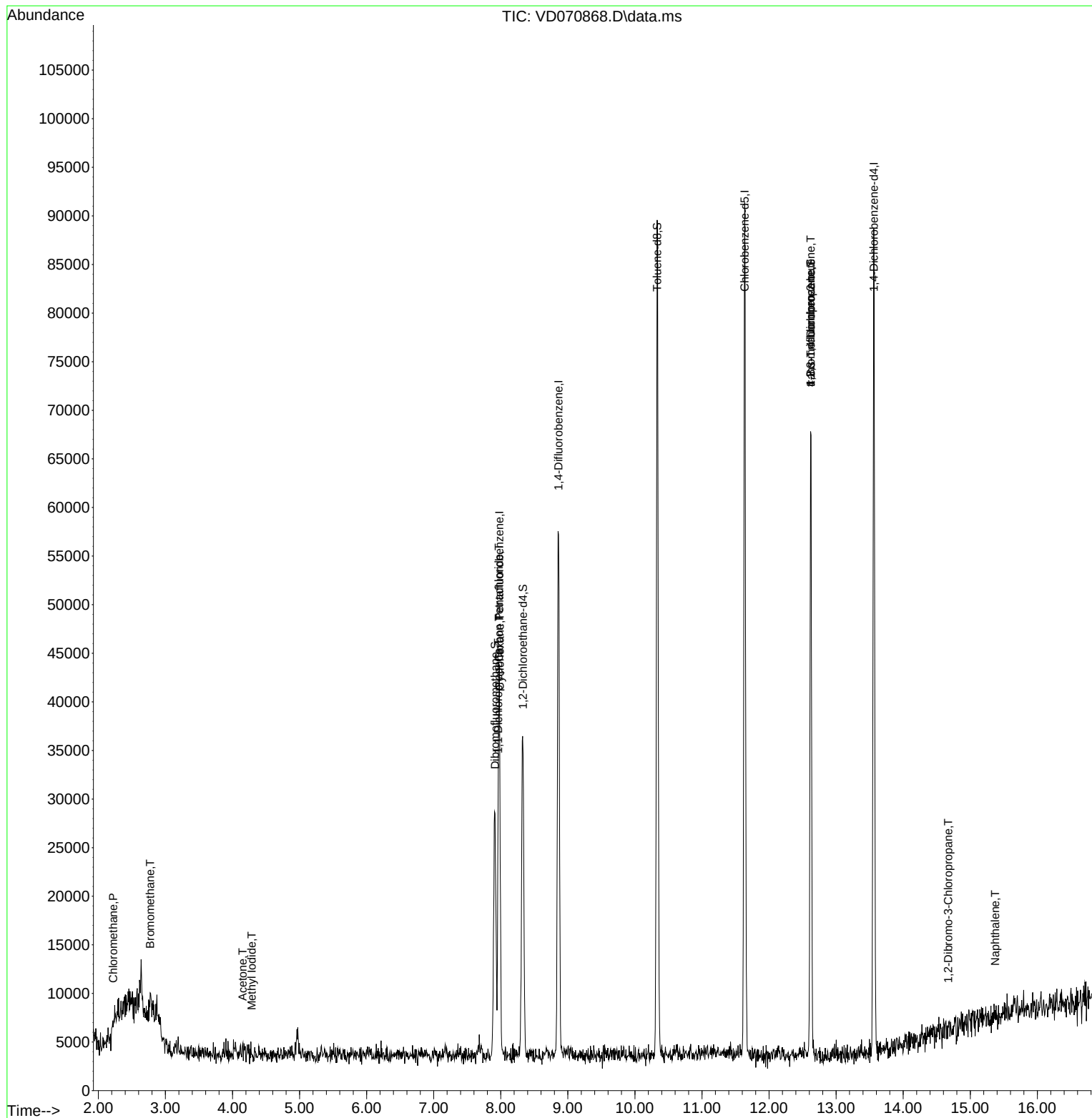
Internal Standards						
1) Pentafluorobenzene	7.979	168	31102	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.861	114	49066	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.638	117	53614	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.561	152	23775	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.332	65	27313	87.315	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 174.640%#			
35) Dibromofluoromethane	7.914	113	19251	59.506	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery = 119.020%			
50) Toluene-d8	10.332	98	59311	48.731	ug/l	0.00
Spiked Amount 50.000	Range 49 - 140		Recovery = 97.460%			
62) 4-Bromofluorobenzene	12.620	95	21211	52.818	ug/l	0.00
Spiked Amount 50.000	Range 25 - 144		Recovery = 105.640%			
Target Compounds						
					Qvalue	
3) Chloromethane	2.220	50	476	1.166	ug/l #	42
5) Bromomethane	2.773	94	1467	1.304	ug/l #	79
10) Methyl Iodide	4.285	142	361	4.499	ug/l #	40
16) Acetone	4.150	43	293	4.026	ug/l #	40
20) Methylene Chloride	4.961	84	1316	Below Cal	#	42
31) Cyclohexane	7.985	56	675	1.059	ug/l #	27
36) 1,1-Dichloropropene	7.961	75	1105	2.152	ug/l #	48
38) Carbon Tetrachloride	7.973	117	3126	6.055	ug/l #	12
76) 1,2,3-Trichloropropane	12.620	75	9569	40.885	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.620	75	9569	107.310	ug/l #	18
92) 1,2-Dibromo-3-Chloropr...	14.673	75	86	1.824	ug/l #	4
95) Naphthalene	15.373	128	187	4.354	ug/l #	69

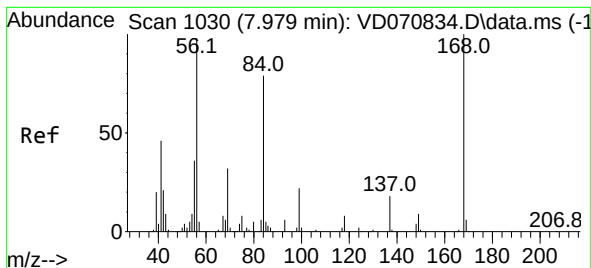
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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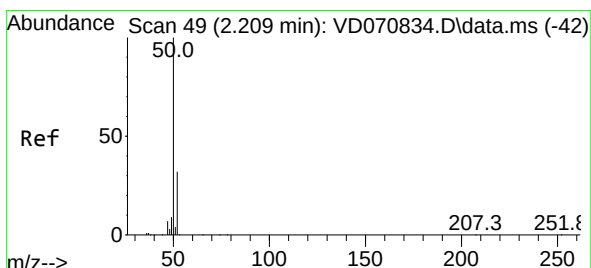
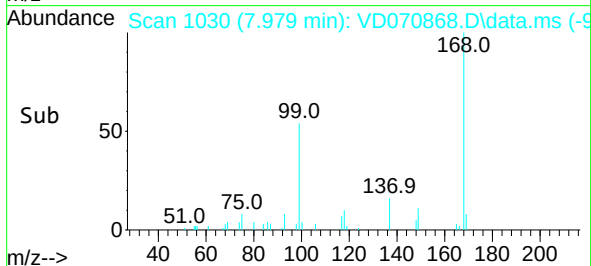
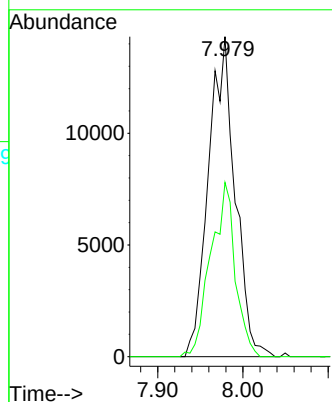
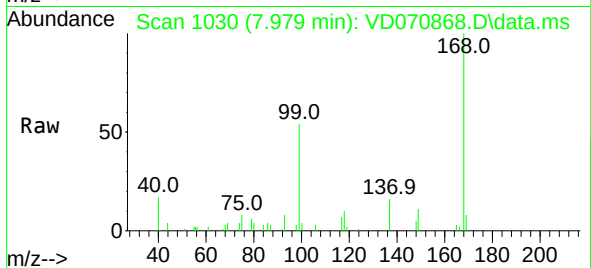




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.979 min Scan# 1030
Delta R.T. -0.000 min
Lab File: VD070868.D
Acq: 27 Oct 2021 17:13

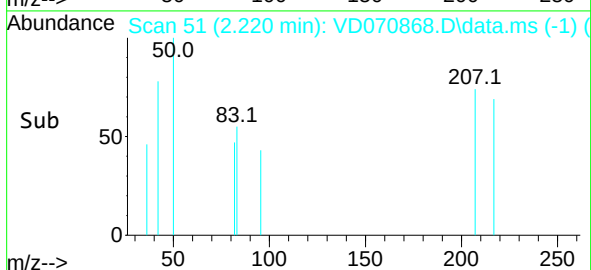
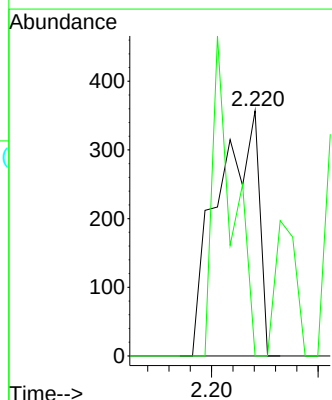
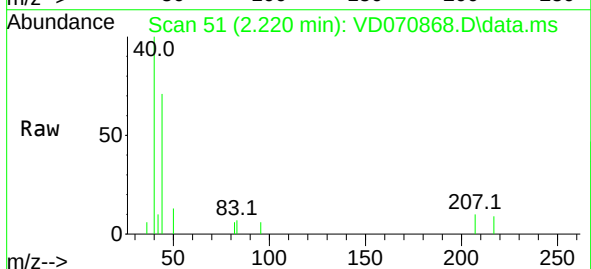
Instrument :
MSVOA_D
ClientSampled :

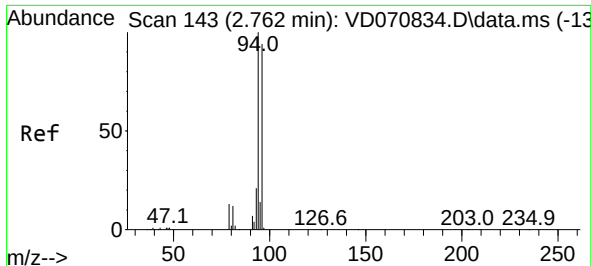
Tgt Ion:168 Resp: 31102
Ion Ratio Lower Upper
168 100
99 54.5 46.6 69.8



#3
Chloromethane
Concen: 1.166 ug/l
RT: 2.220 min Scan# 51
Delta R.T. 0.012 min
Lab File: VD070868.D
Acq: 27 Oct 2021 17:13

Tgt Ion: 50 Resp: 476
Ion Ratio Lower Upper
50 100
52 0.0 25.8 38.8#

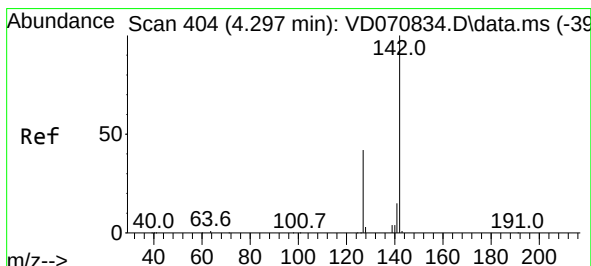
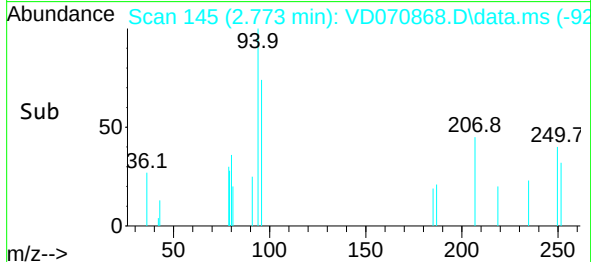
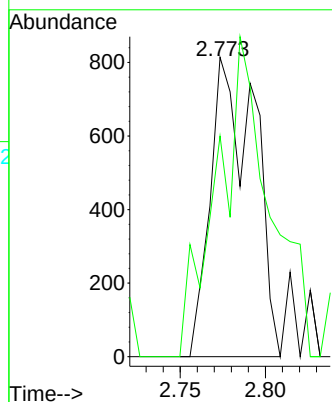
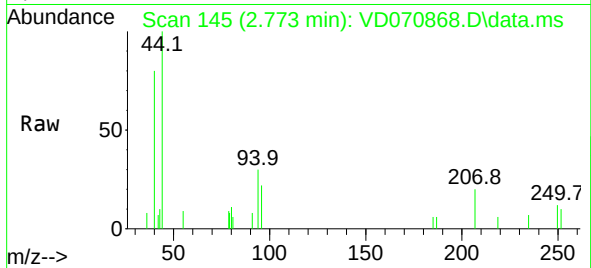




#5
Bromomethane
Concen: 1.304 ug/l
RT: 2.773 min Scan# 145
Delta R.T. 0.011 min
Lab File: VD070868.D
Acq: 27 Oct 2021 17:13

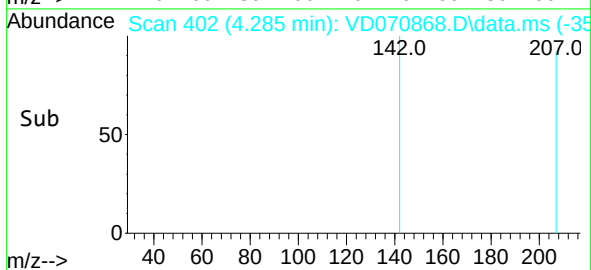
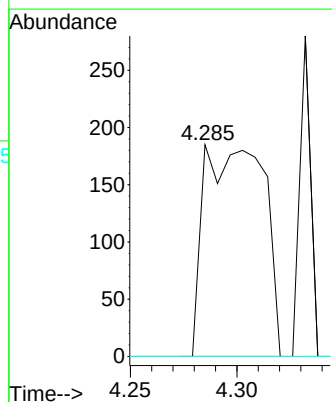
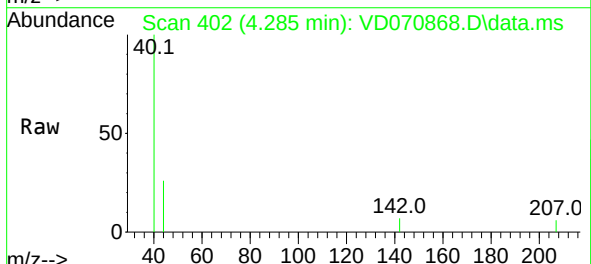
Instrument :
MSVOA_D
ClientSampled :

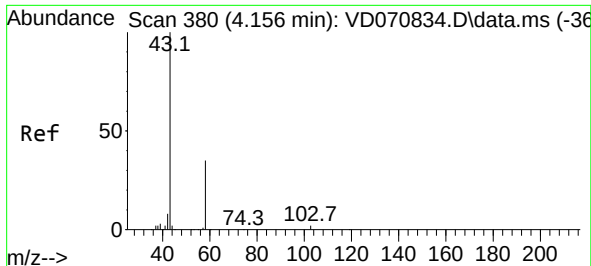
Tgt Ion: 94 Resp: 1467
Ion Ratio Lower Upper
94 100
96 73.7 74.8 112.2#



#10
Methyl Iodide
Concen: 4.499 ug/l
RT: 4.285 min Scan# 402
Delta R.T. -0.012 min
Lab File: VD070868.D
Acq: 27 Oct 2021 17:13

Tgt Ion: 142 Resp: 361
Ion Ratio Lower Upper
142 100
127 0.0 35.0 52.4#
141 0.0 12.0 18.0#

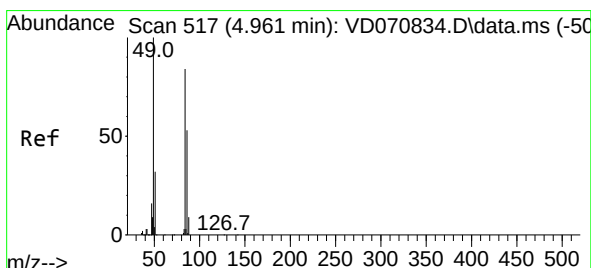
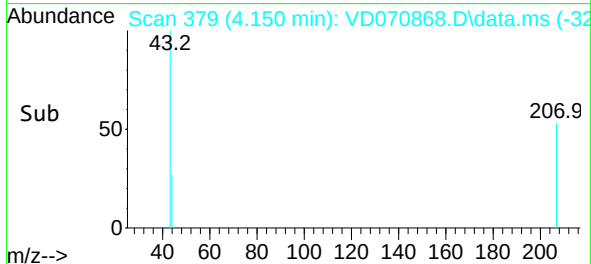
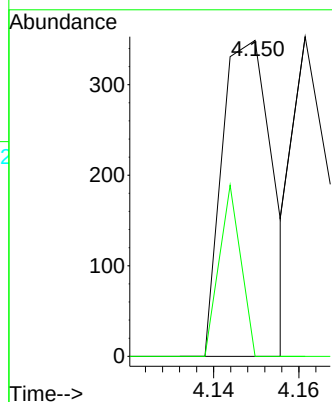
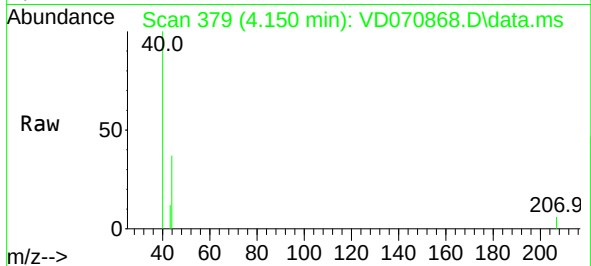




#16
Acetone
Concen: 4.026 ug/l
RT: 4.150 min Scan# 379
Delta R.T. -0.006 min
Lab File: VD070868.D
Acq: 27 Oct 2021 17:13

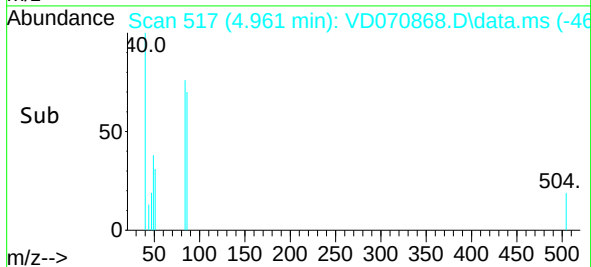
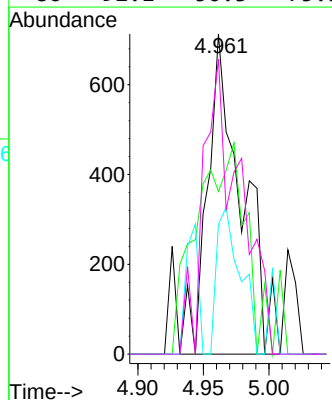
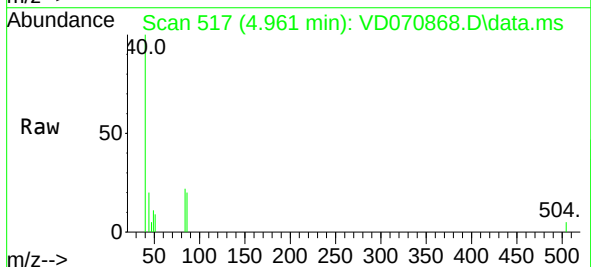
Instrument :
MSVOA_D
ClientSampled :

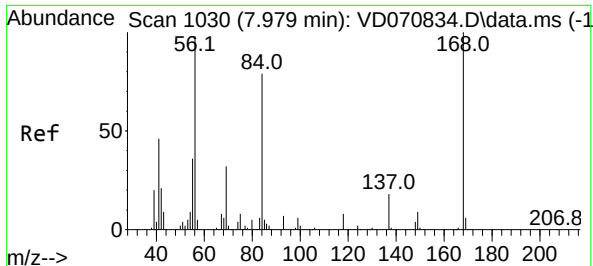
Tgt Ion: 43 Resp: 293
Ion Ratio Lower Upper
43 100
58 0.0 27.8 41.8#



#20
Methylene Chloride
Concen: Below Cal
RT: 4.961 min Scan# 517
Delta R.T. 0.000 min
Lab File: VD070868.D
Acq: 27 Oct 2021 17:13

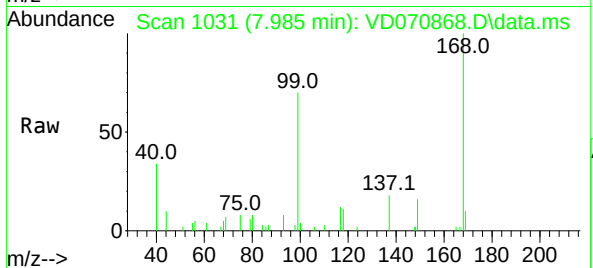
Tgt Ion: 84 Resp: 1316
Ion Ratio Lower Upper
84 100
49 24.5 95.8 143.6#
51 40.5 30.9 46.3
86 92.1 50.3 75.5#



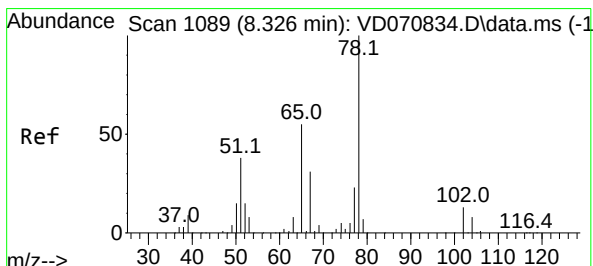
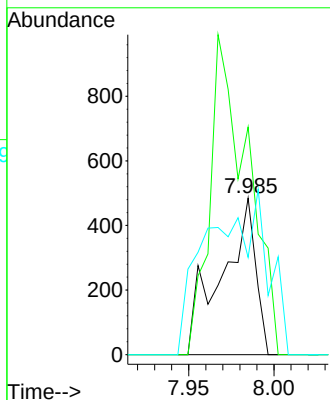
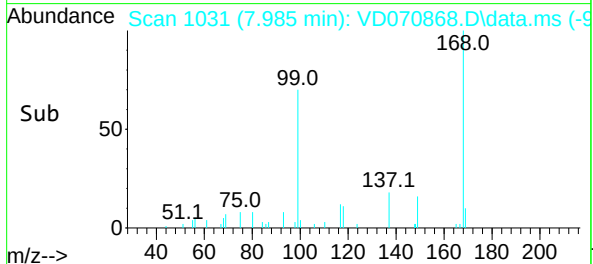


#31
Cyclohexane
Concen: 1.059 ug/l
RT: 7.985 min Scan# 1031
Delta R.T. 0.006 min
Lab File: VD070868.D
Acq: 27 Oct 2021 17:13

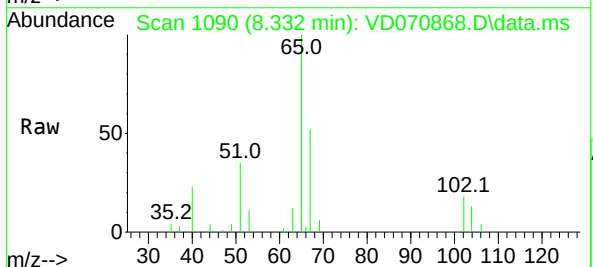
Instrument :
MSVOA_D
ClientSampled :



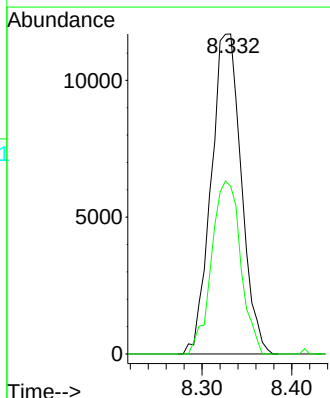
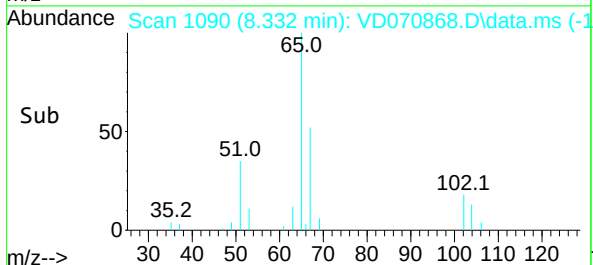
Tgt Ion: 56 Resp: 675
Ion Ratio Lower Upper
56 100
69 145.4 25.9 38.9#
84 62.1 64.3 96.5#

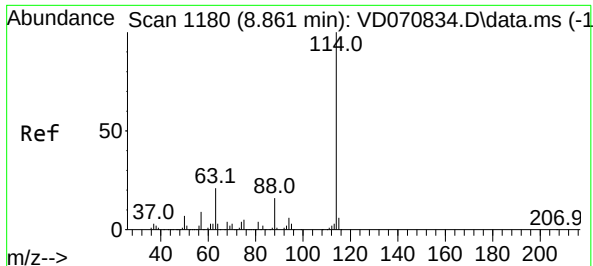


#33
1,2-Dichloroethane-d4
Concen: 87.315 ug/l
RT: 8.332 min Scan# 1090
Delta R.T. 0.006 min
Lab File: VD070868.D
Acq: 27 Oct 2021 17:13



Tgt Ion: 65 Resp: 27313
Ion Ratio Lower Upper
65 100
67 52.1 0.0 112.2



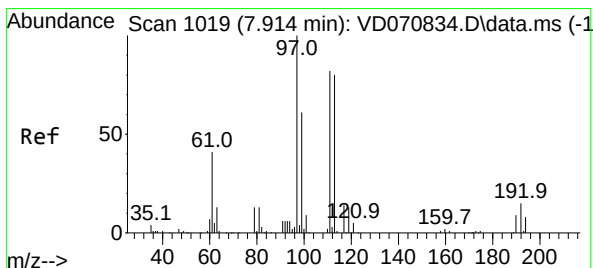
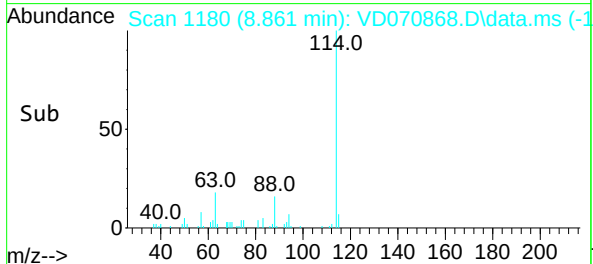
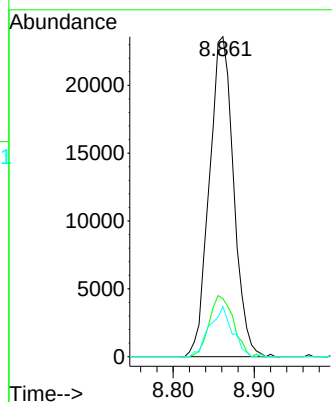
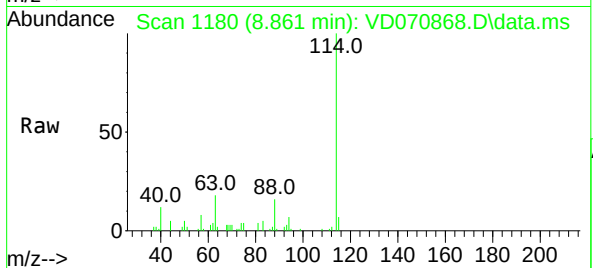


#34

1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.861 min Scan# 1180
Delta R.T. 0.000 min
Lab File: VD070868.D
Acq: 27 Oct 2021 17:13

Instrument :
MSVOA_D
ClientSampled :

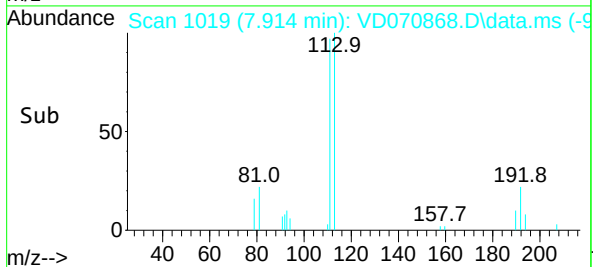
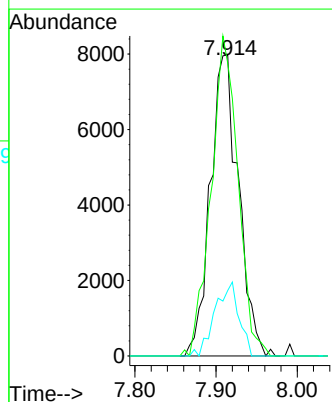
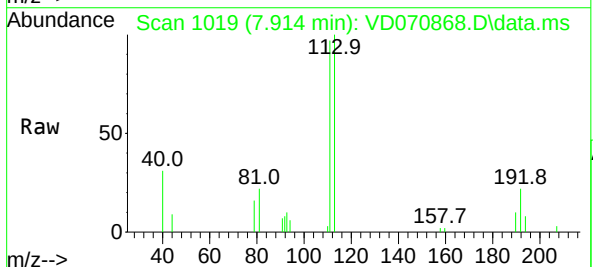
Tgt Ion:	114	Resp:	49066
Ion Ratio	Lower	Upper	
114	100		
63	18.1	0.0	41.8
88	15.7	0.0	32.8

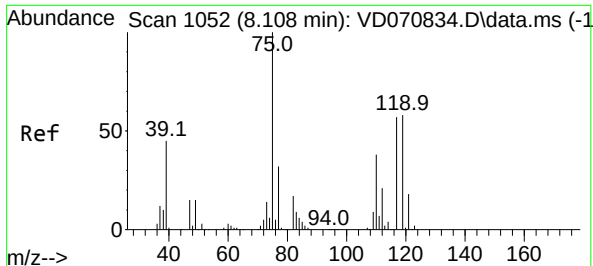


#35

Dibromofluoromethane
Concen: 59.506 ug/l
RT: 7.914 min Scan# 1019
Delta R.T. 0.000 min
Lab File: VD070868.D
Acq: 27 Oct 2021 17:13

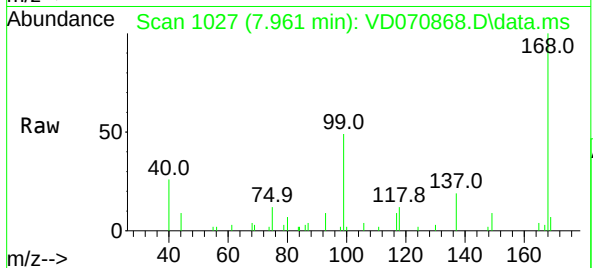
Tgt Ion:	113	Resp:	19251
Ion Ratio	Lower	Upper	
113	100		
111	101.7	82.0	123.0
192	20.8	15.2	22.8



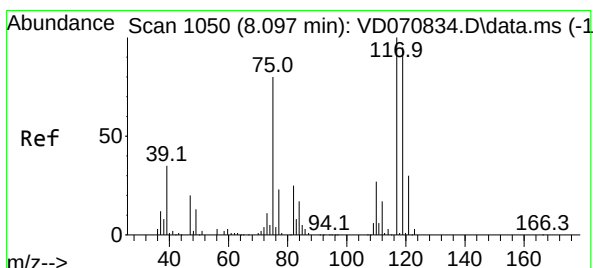
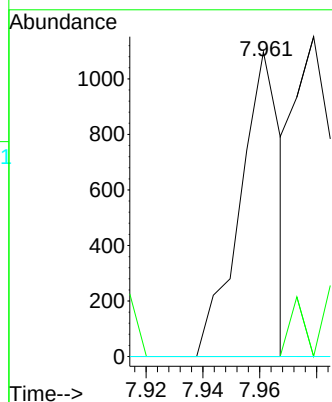
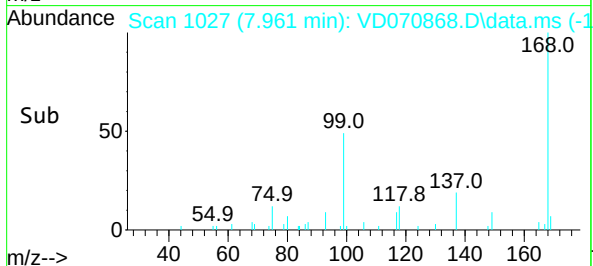


#36
1,1-Dichloropropene
Concen: 2.152 ug/l
RT: 7.961 min Scan# 1027
Delta R.T. -0.147 min
Lab File: VD070868.D
Acq: 27 Oct 2021 17:13

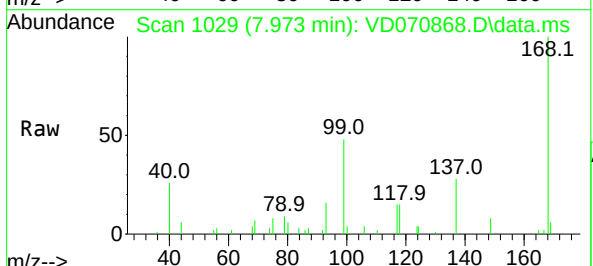
Instrument :
MSVOA_D
ClientSampled :



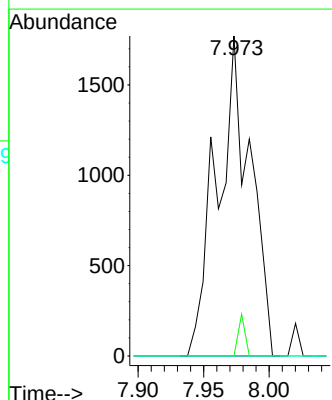
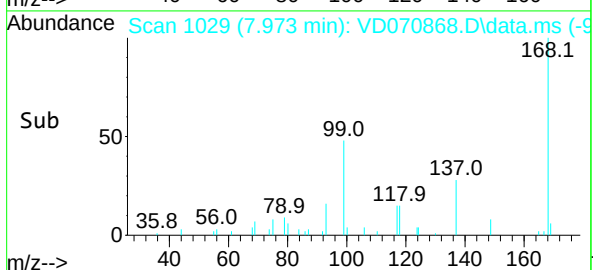
Tgt Ion: 75 Resp: 1105
Ion Ratio Lower Upper
75 100
110 6.9 17.8 53.4#
77 0.0 24.8 37.2#

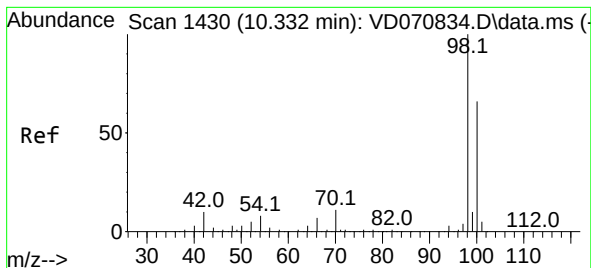


#38
Carbon Tetrachloride
Concen: 6.055 ug/l
RT: 7.973 min Scan# 1029
Delta R.T. -0.124 min
Lab File: VD070868.D
Acq: 27 Oct 2021 17:13



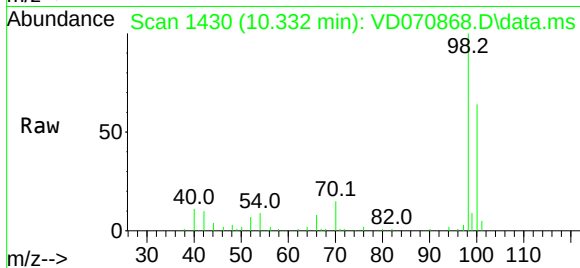
Tgt Ion: 117 Resp: 3126
Ion Ratio Lower Upper
117 100
119 0.0 75.8 113.6#
121 0.0 23.6 35.4#



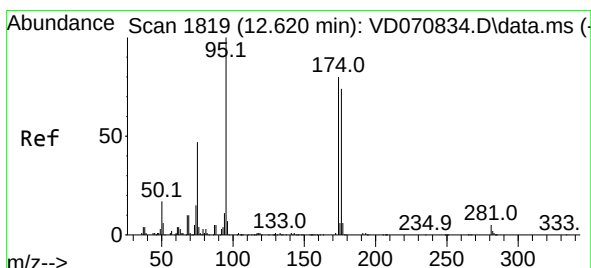
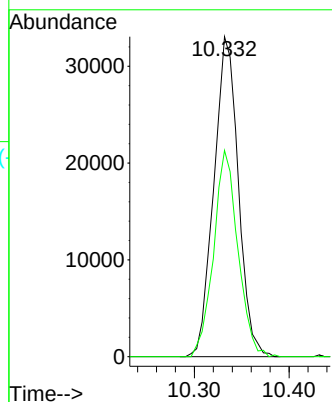
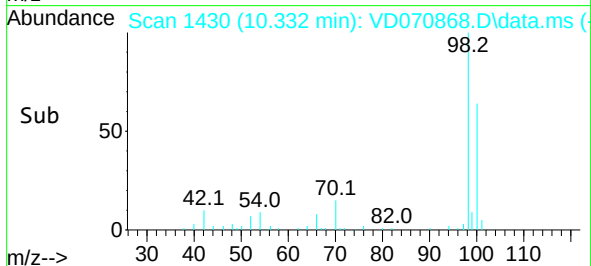


#50
Toluene-d8
Concen: 48.731 ug/l
RT: 10.332 min Scan# 1430
Delta R.T. 0.000 min
Lab File: VD070868.D
Acq: 27 Oct 2021 17:13

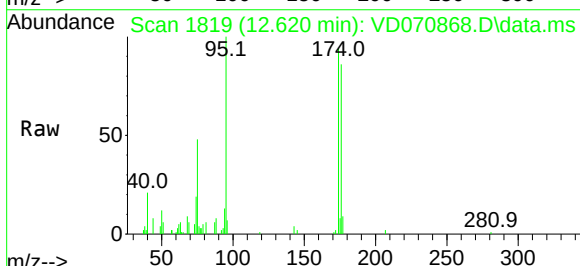
Instrument :
MSVOA_D
ClientSampled :



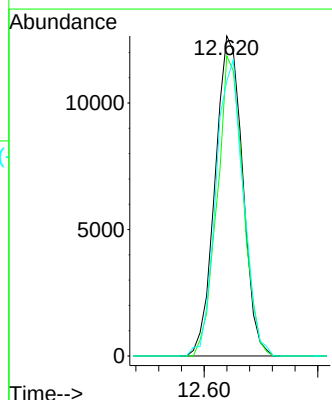
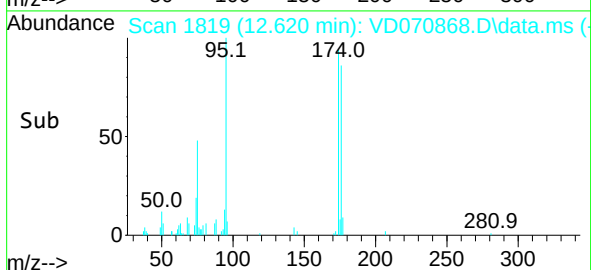
Tgt Ion: 98 Resp: 59311
Ion Ratio Lower Upper
98 100
100 63.9 51.8 77.6

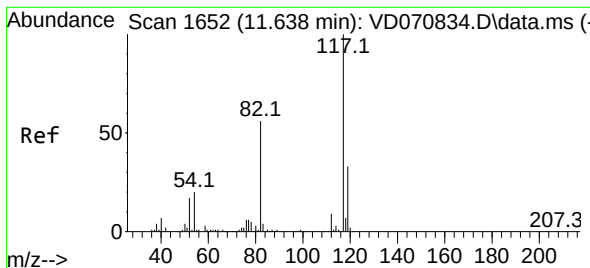


#62
4-Bromofluorobenzene
Concen: 52.818 ug/l
RT: 12.620 min Scan# 1819
Delta R.T. 0.000 min
Lab File: VD070868.D
Acq: 27 Oct 2021 17:13



Tgt Ion: 95 Resp: 21211
Ion Ratio Lower Upper
95 100
174 88.4 0.0 159.4
176 92.2 0.0 154.0

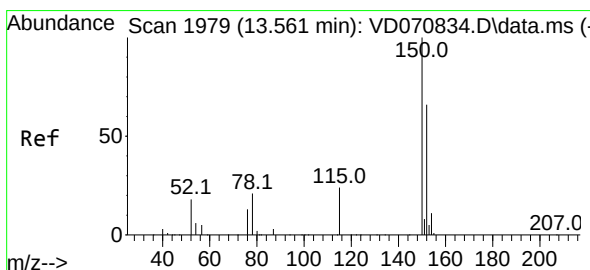
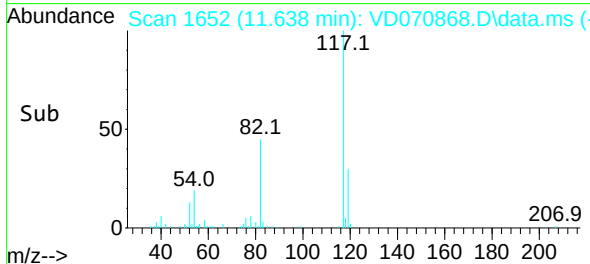
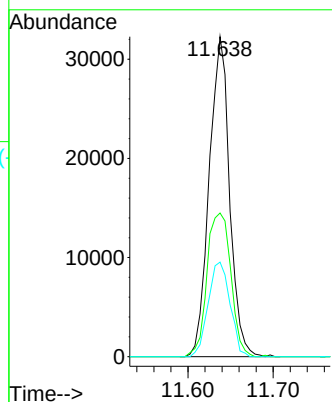
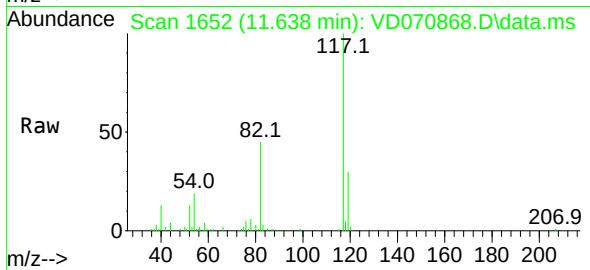




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.638 min Scan# 1652
Delta R.T. 0.000 min
Lab File: VD070868.D
Acq: 27 Oct 2021 17:13

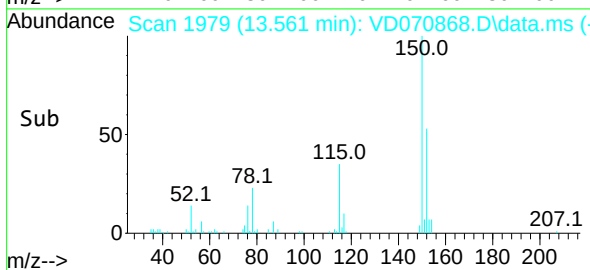
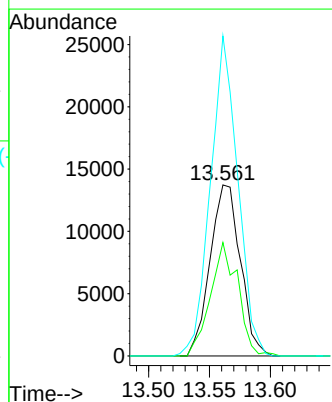
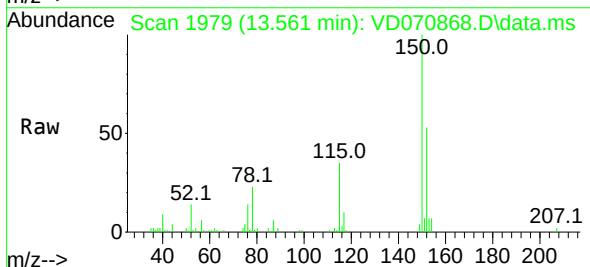
Instrument :
MSVOA_D
ClientSampleId :

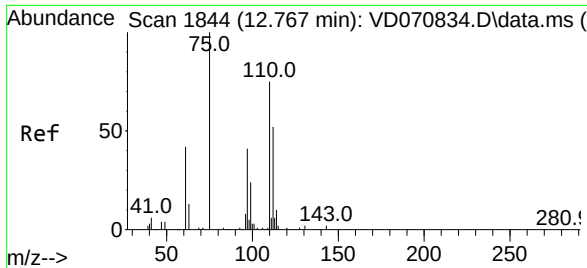
Tgt Ion:117 Resp: 53614
Ion Ratio Lower Upper
117 100
82 44.9 44.7 67.1
119 29.6 26.2 39.4



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.561 min Scan# 1979
Delta R.T. 0.000 min
Lab File: VD070868.D
Acq: 27 Oct 2021 17:13

Tgt Ion:152 Resp: 23775
Ion Ratio Lower Upper
152 100
115 60.3 29.8 89.3
150 169.1 0.0 349.2

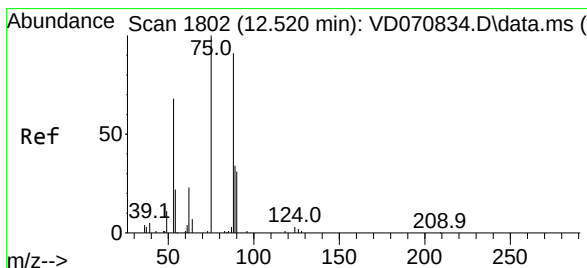
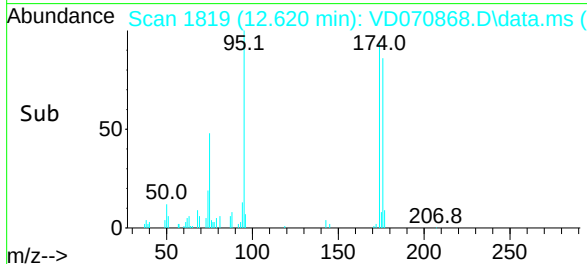
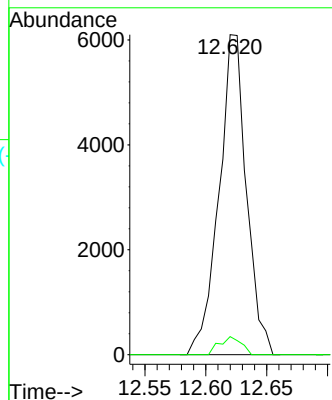
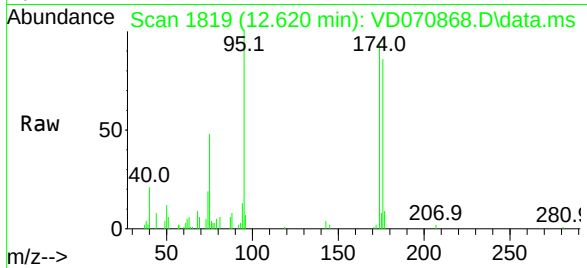




#76
1,2,3-Trichloropropane
Concen: 40.885 ug/l
RT: 12.620 min Scan# 1819
Delta R.T. -0.147 min
Lab File: VD070868.D
Acq: 27 Oct 2021 17:13

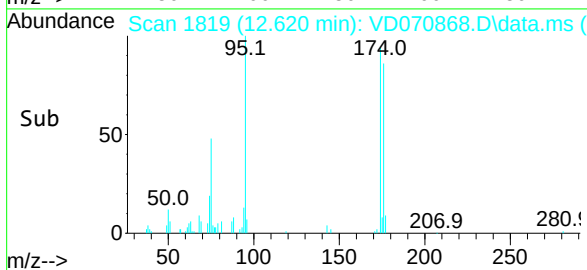
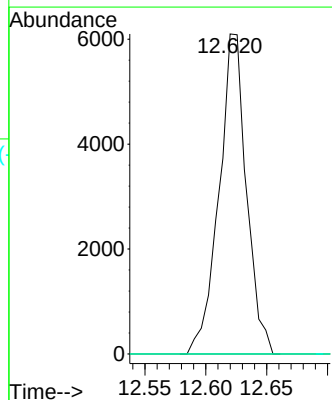
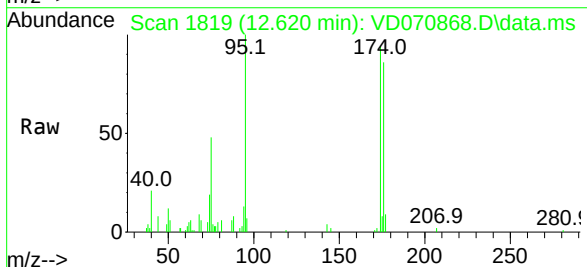
Instrument :
MSVOA_D
ClientSampleId :

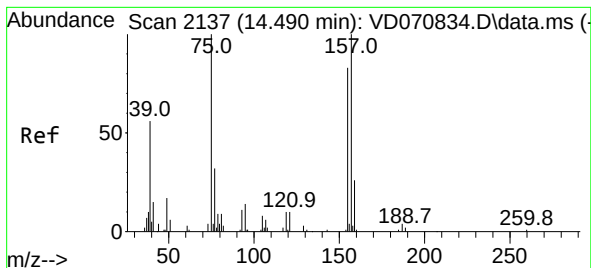
Tgt Ion: 75 Resp: 9569
Ion Ratio Lower Upper
75 100
77 4.5 158.4 475.3#



#81
trans-1,4-Dichloro-2-butene
Concen: 107.310 ug/l
RT: 12.620 min Scan# 1819
Delta R.T. 0.100 min
Lab File: VD070868.D
Acq: 27 Oct 2021 17:13

Tgt Ion: 75 Resp: 9569
Ion Ratio Lower Upper
75 100
53 0.0 62.6 94.0#
89 0.0 34.5 51.7#

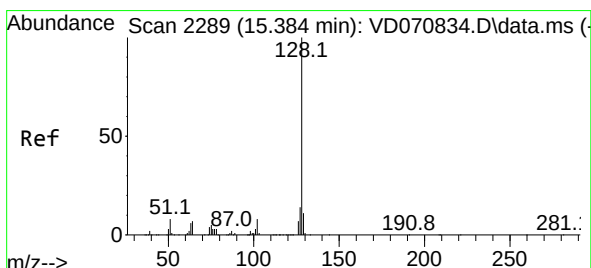
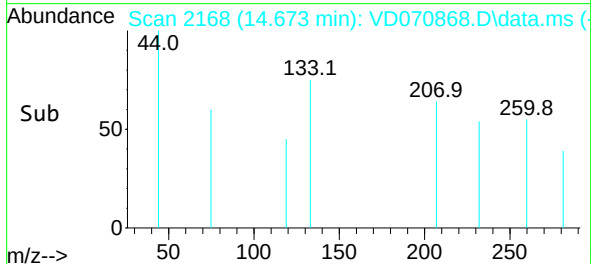
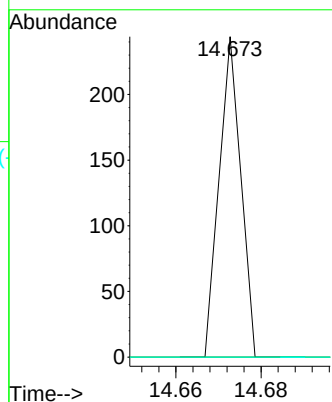
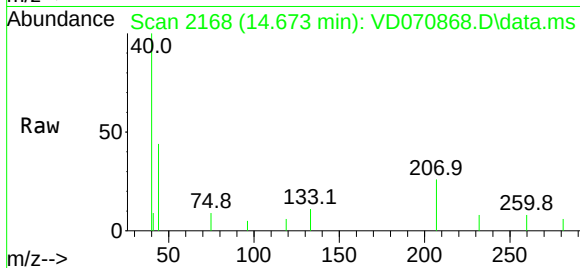




#92
1,2-Dibromo-3-Chloropropane
Concen: 1.824 ug/l
RT: 14.673 min Scan# 2168
Delta R.T. 0.182 min
Lab File: VD070868.D
Acq: 27 Oct 2021 17:13

Instrument :
MSVOA_D
ClientSampled :

Tgt Ion: 75 Resp: 86
Ion Ratio Lower Upper
75 100
155 0.0 40.0 120.0#
157 0.0 49.8 149.3#



#95
Naphthalene
Concen: 4.354 ug/l
RT: 15.373 min Scan# 2287
Delta R.T. -0.011 min
Lab File: VD070868.D
Acq: 27 Oct 2021 17:13

Tgt Ion: 128 Resp: 187
Ion Ratio Lower Upper
128 100
127 0.0 10.7 16.1#
129 0.0 8.7 13.1#

