

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD092421\
 Data File : VD070453.D
 Acq On : 24 Sep 2021 14:28
 Operator : VA/SY
 Sample : M3920-03
 Misc : 7.51G/5.00ml/MSVOA_D/SOIL
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :

Quant Time: Sep 25 03:08:29 2021
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D090821S.M
 Quant Title : SW846 8260
 QLast Update : Thu Sep 09 03:07:09 2021
 Response via : Initial Calibration

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

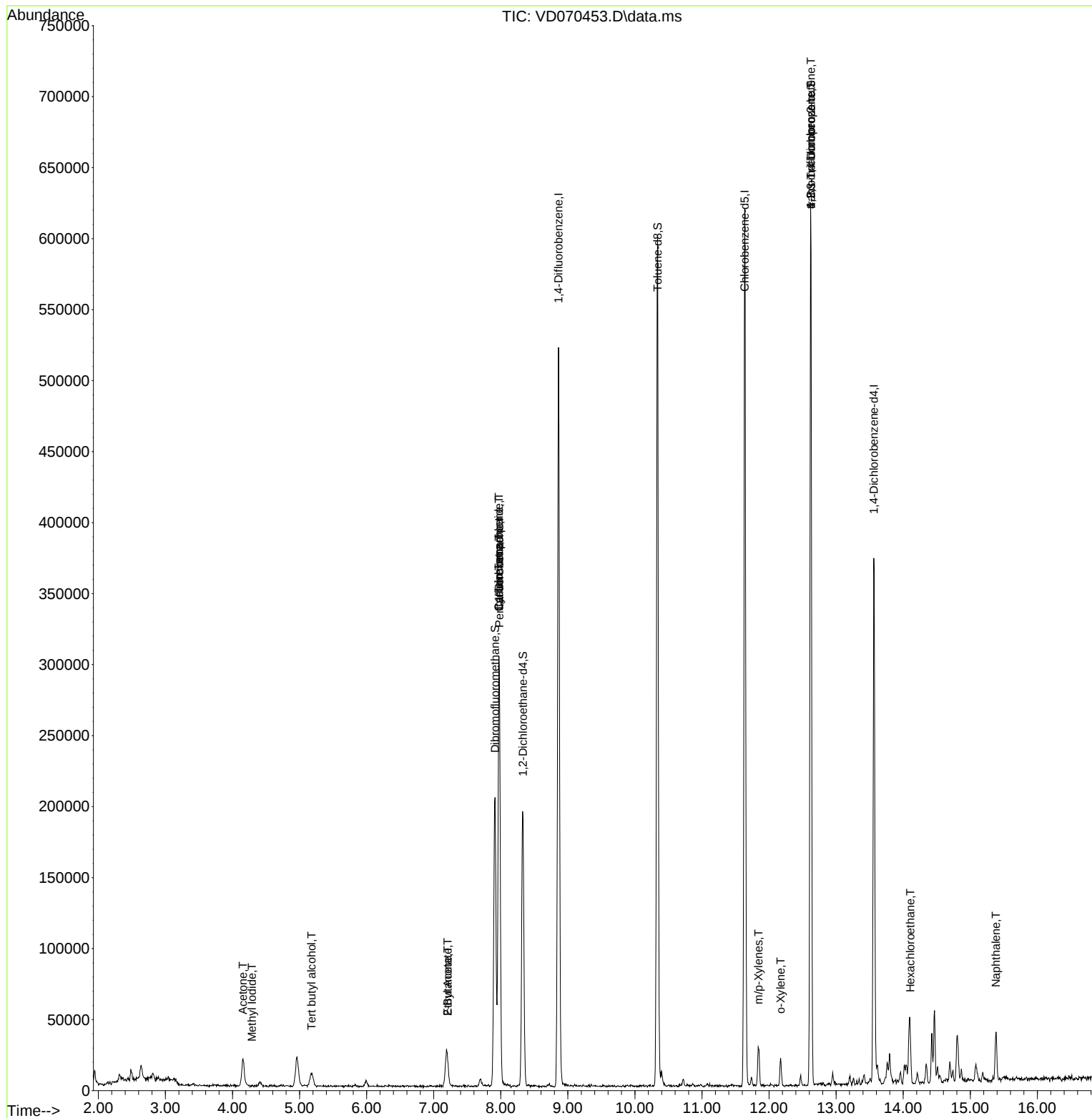
Internal Standards						
1) Pentafluorobenzene	7.979	168	216104	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.861	114	437323	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.638	117	373709	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.561	152	99367	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.332	65	158937	57.278	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 114.560%			
35) Dibromofluoromethane	7.914	113	153733	49.385	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery = 98.780%			
50) Toluene-d8	10.338	98	420612	37.215	ug/l	0.00
Spiked Amount 50.000	Range 49 - 140		Recovery = 74.420%			
62) 4-Bromofluorobenzene	12.626	95	112872	28.575	ug/l	0.00
Spiked Amount 50.000	Range 25 - 144		Recovery = 57.160%			
Target Compounds					Qvalue	
2) Dichlorodifluoromethane	1.979	85	201	Below Cal	#	43
3) Chloromethane	2.209	50	723	Below Cal	#	17
5) Bromomethane	2.762	94	573	Below Cal	#	73
6) Chloroethane	2.909	64	91	Below Cal	#	44
10) Methyl Iodide	4.291	142	136	1.079	ug/l #	1
11) Tert butyl alcohol	5.179	59	5249	16.730	ug/l #	100
16) Acetone	4.156	43	31863	64.317	ug/l	97
18) Methyl Acetate	4.703	43	908	Below Cal	#	48
20) Methylene Chloride	4.956	84	17654	Below Cal	#	89
25) 2-Butanone	7.208	43	7586	11.503	ug/l	97
31) Cyclohexane	7.973	56	5276	1.104	ug/l #	1
36) 1,1-Dichloropropene	7.973	75	19687	4.212	ug/l #	48
37) Ethyl Acetate	7.208	43	7586	4.340	ug/l #	86
38) Carbon Tetrachloride	7.973	117	23778	5.143	ug/l #	17
68) m/p-Xylenes	11.843	106	9604	1.862	ug/l	89
69) o-Xylene	12.173	106	5310	1.149	ug/l	89
76) 1,2,3-Trichloropropane	12.626	75	55543	55.261	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.626	75	55543	138.461	ug/l #	19
90) Hexachloroethane	14.108	117	2381	1.688	ug/l #	18
95) Naphthalene	15.384	128	31233	10.776	ug/l	98

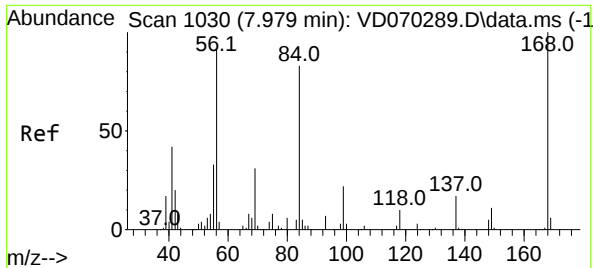
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD092421\
Data File : VD070453.D
Acq On : 24 Sep 2021 14:28
Operator : VA/SY
Sample : M3920-03
Misc : 7.51G/5.00ml/MSVOA_D/SOIL
ALS Vial : 11 Sample Multiplier: 1

Instrument :
MSVOA_D
ClientSampleId :

Quant Time: Sep 25 03:08:29 2021
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D090821S.M
Quant Title : SW846 8260
QLast Update : Thu Sep 09 03:07:09 2021
Response via : Initial Calibration

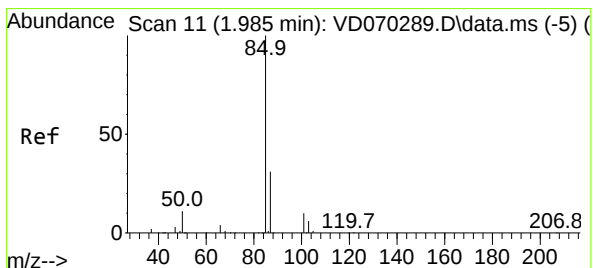
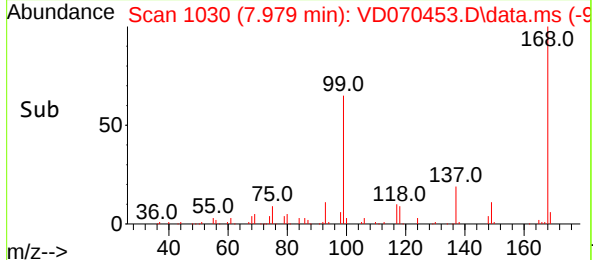
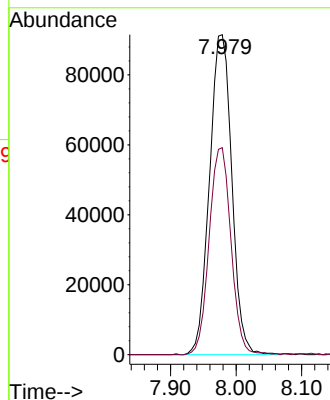
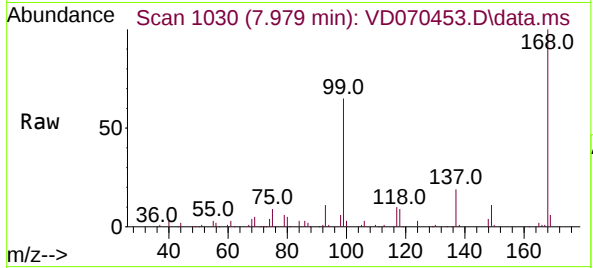




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.979 min Scan# 1030
Delta R.T. -0.000 min
Lab File: VD070453.D
Acq: 24 Sep 2021 14:28

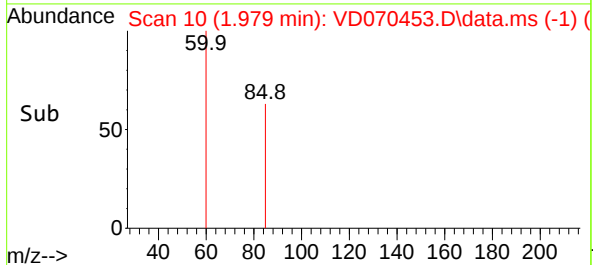
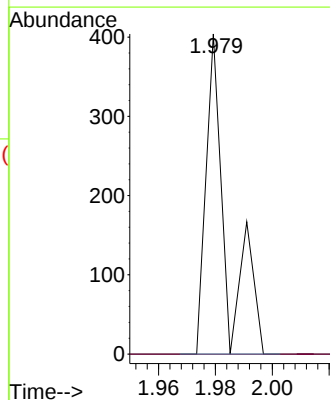
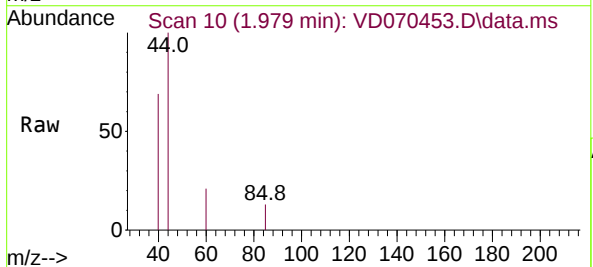
Instrument :
MSVOA_D
ClientSampleId :

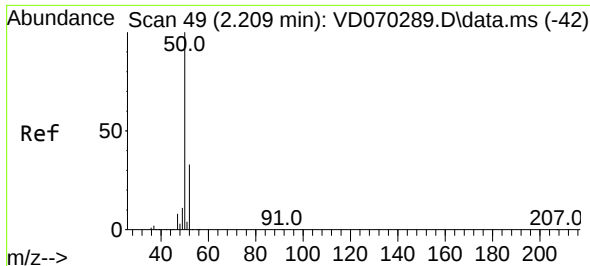
Tgt Ion:168 Resp: 216104
Ion Ratio Lower Upper
168 100
99 64.7 50.8 76.2



#2
Dichlorodifluoromethane
Concen: Below Cal
RT: 1.979 min Scan# 10
Delta R.T. -0.006 min
Lab File: VD070453.D
Acq: 24 Sep 2021 14:28

Tgt Ion: 85 Resp: 201
Ion Ratio Lower Upper
85 100
87 0.0 15.6 46.8#

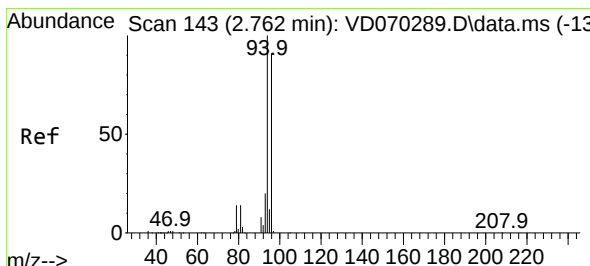
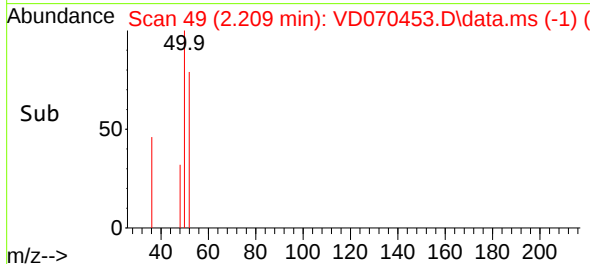
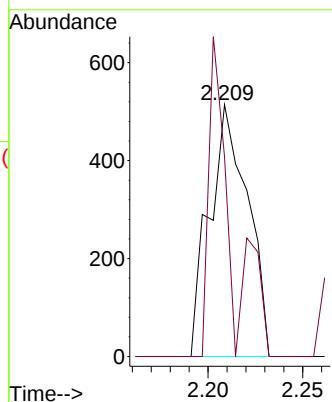
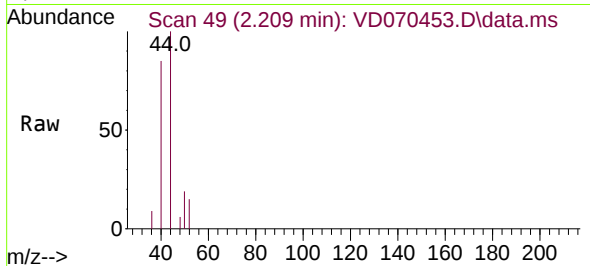




#3
Chloromethane
Concen: Below Cal
RT: 2.209 min Scan# 49
Delta R.T. -0.000 min
Lab File: VD070453.D
Acq: 24 Sep 2021 14:28

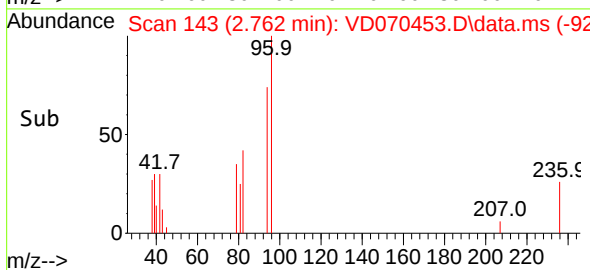
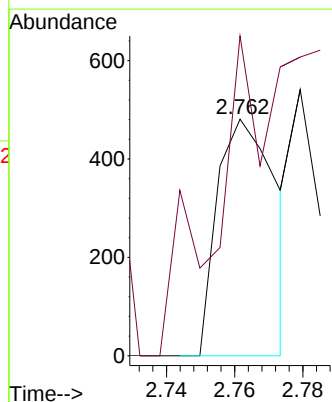
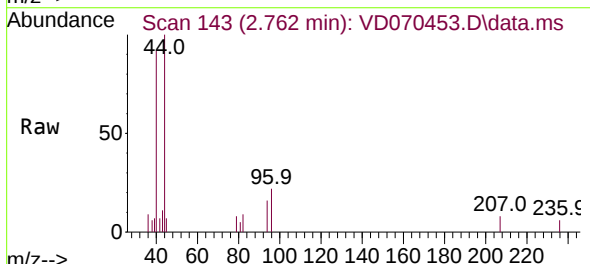
Instrument :
MSVOA_D
ClientSampled :

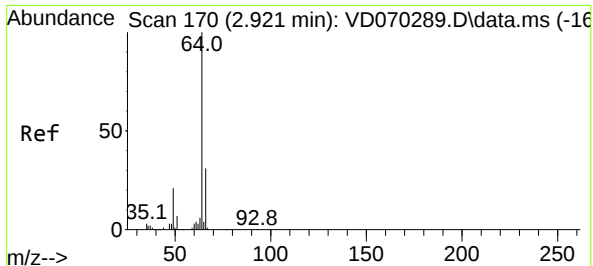
Tgt Ion: 50 Resp: 723
Ion Ratio Lower Upper
50 100
52 79.4 26.2 39.2#



#5
Bromomethane
Concen: Below Cal
RT: 2.762 min Scan# 143
Delta R.T. -0.000 min
Lab File: VD070453.D
Acq: 24 Sep 2021 14:28

Tgt Ion: 94 Resp: 573
Ion Ratio Lower Upper
94 100
96 65.3 73.0 109.6#

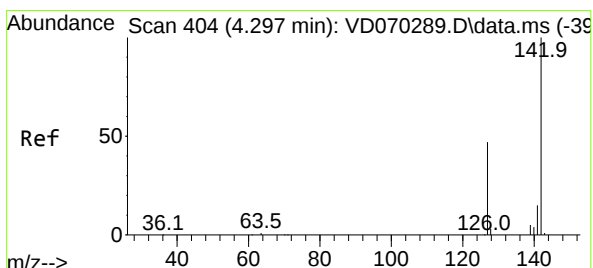
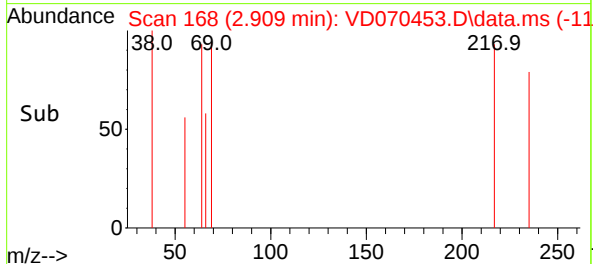
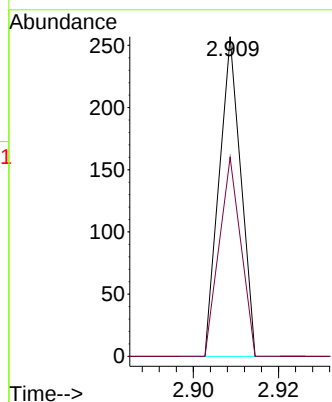
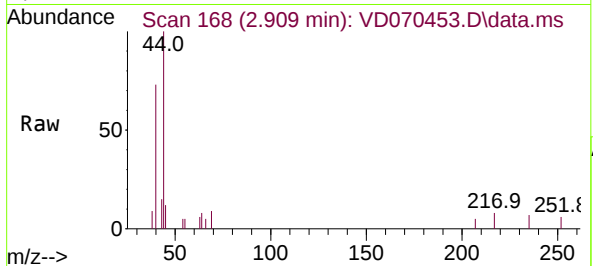




#6
Chloroethane
Concen: Below Cal
RT: 2.909 min Scan# 168
Delta R.T. -0.012 min
Lab File: VD070453.D
Acq: 24 Sep 2021 14:28

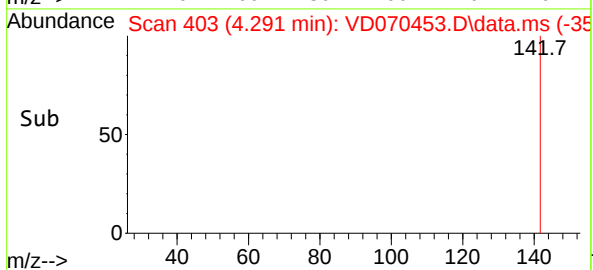
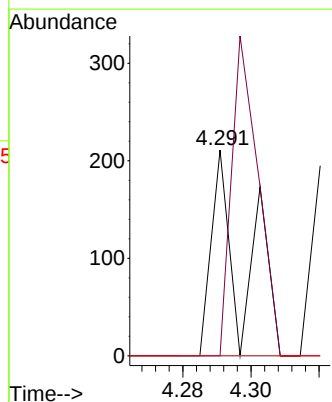
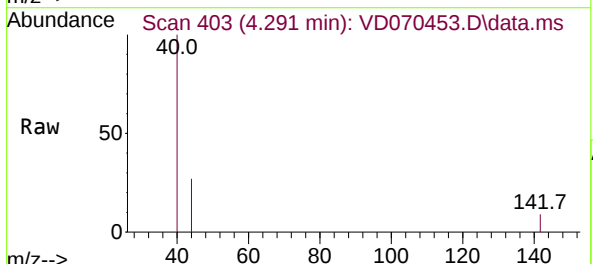
Instrument :
MSVOA_D
ClientSampled :

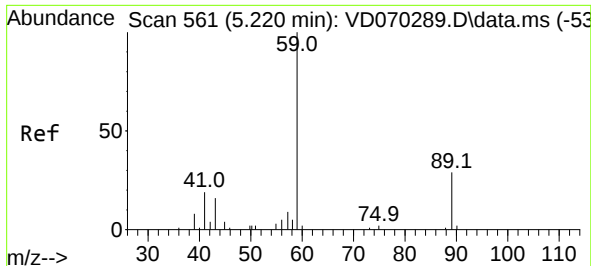
Tgt Ion: 64 Resp: 91
Ion Ratio Lower Upper
64 100
66 62.3 25.0 37.4#



#10
Methyl Iodide
Concen: 1.079 ug/l
RT: 4.291 min Scan# 403
Delta R.T. -0.006 min
Lab File: VD070453.D
Acq: 24 Sep 2021 14:28

Tgt Ion: 142 Resp: 136
Ion Ratio Lower Upper
142 100
127 130.1 36.9 55.3#
141 0.0 11.8 17.6#

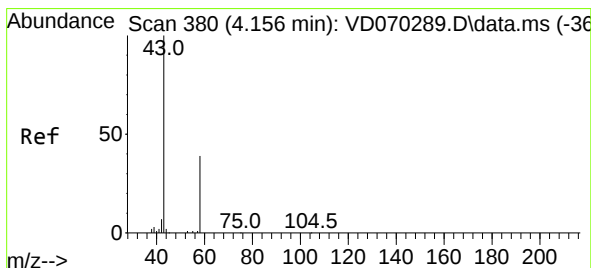
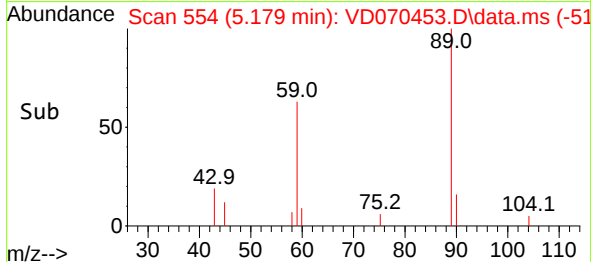
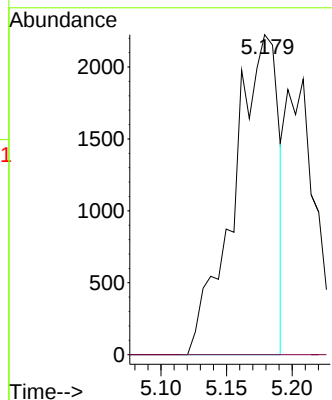
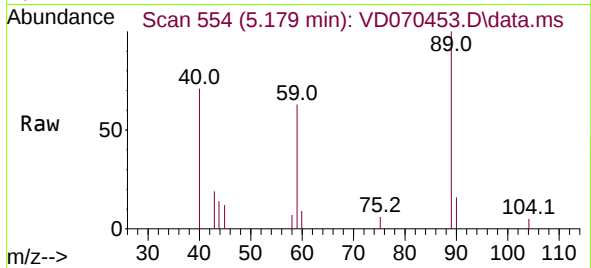




#11
Tert butyl alcohol
Concen: 16.730 ug/l
RT: 5.179 min Scan# 554
Delta R.T. -0.041 min
Lab File: VD070453.D
Acq: 24 Sep 2021 14:28

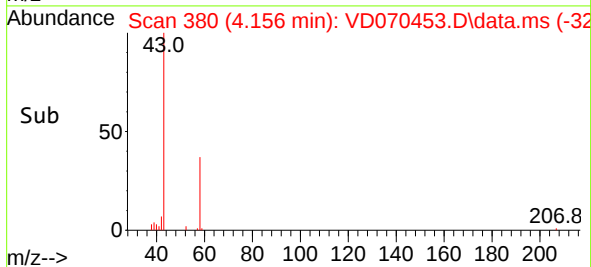
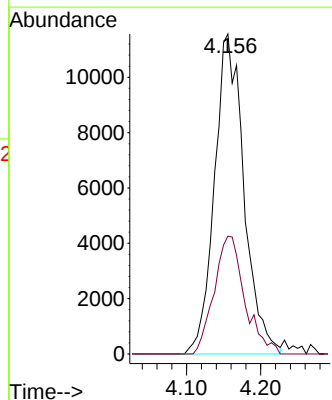
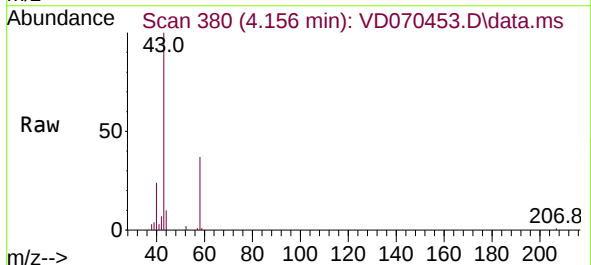
Instrument :
MSVOA_D
ClientSampled :

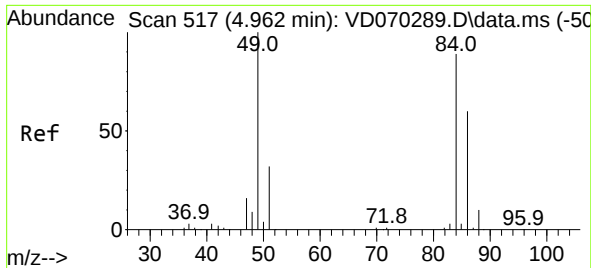
Tgt Ion: 59 Resp: 5249
Ion Ratio Lower Upper
59 100
57 0.0 0.0 0.0



#16
Acetone
Concen: 64.317 ug/l
RT: 4.156 min Scan# 380
Delta R.T. -0.000 min
Lab File: VD070453.D
Acq: 24 Sep 2021 14:28

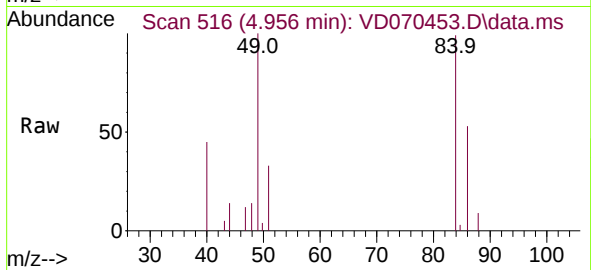
Tgt Ion: 43 Resp: 31863
Ion Ratio Lower Upper
43 100
58 36.8 30.9 46.3



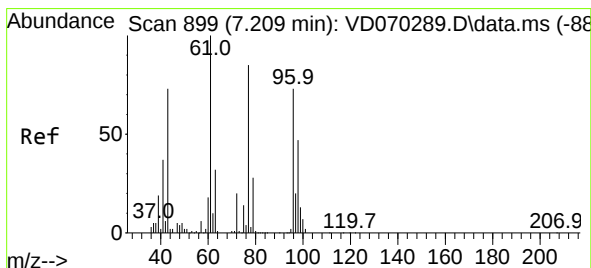
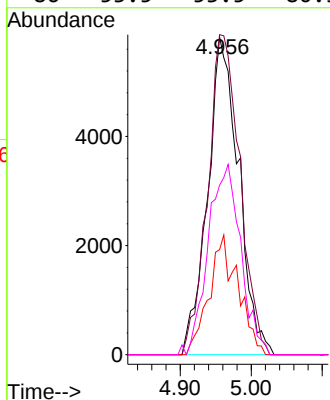
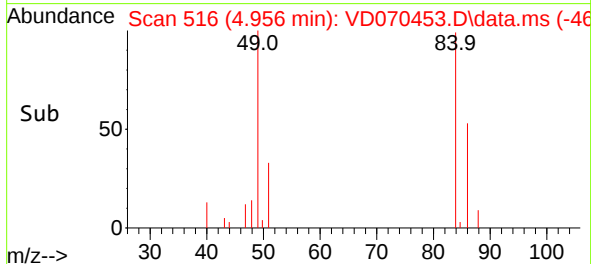


#20
Methylene Chloride
Concen: Below Cal
RT: 4.956 min Scan# 516
Delta R.T. -0.006 min
Lab File: VD070453.D
Acq: 24 Sep 2021 14:28

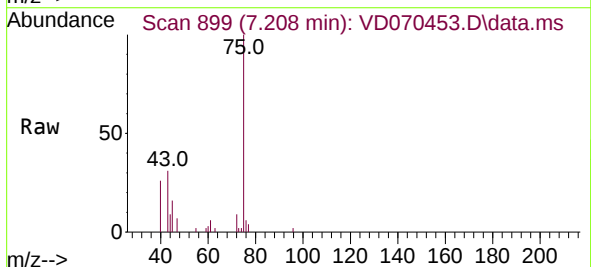
Instrument :
MSVOA_D
ClientSampleId :



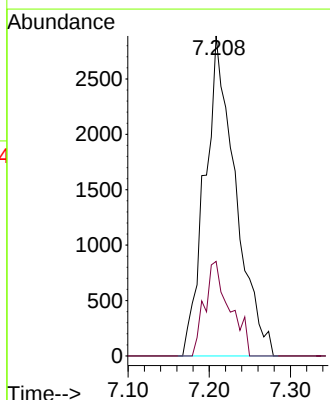
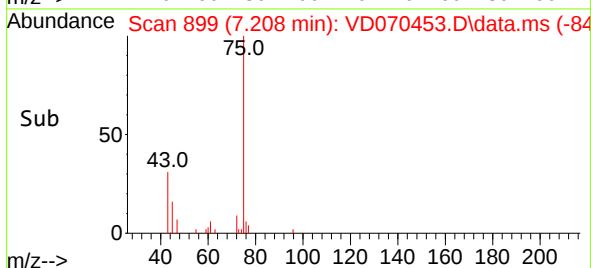
Tgt Ion:	84	Resp:	17654
Ion	Ratio	Lower	Upper
84	100		
49	100.9	89.6	134.4
51	33.1	28.6	43.0
86	53.5	53.5	80.3#

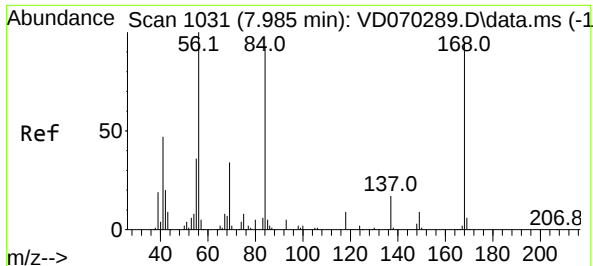


#25
2-Butanone
Concen: 11.503 ug/l
RT: 7.208 min Scan# 899
Delta R.T. -0.000 min
Lab File: VD070453.D
Acq: 24 Sep 2021 14:28



Tgt Ion:	43	Resp:	7586
Ion	Ratio	Lower	Upper
43	100		
72	29.5	22.2	33.4

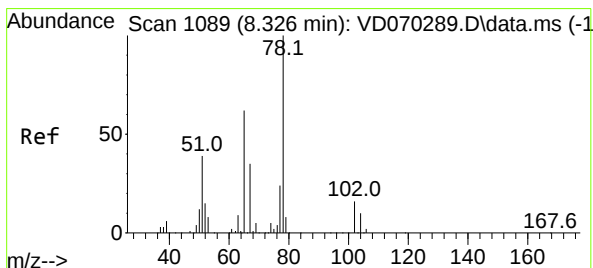
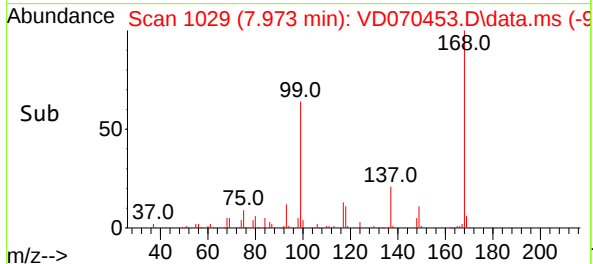
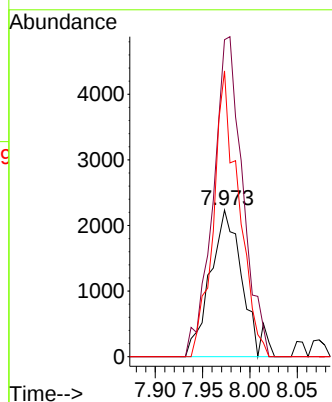
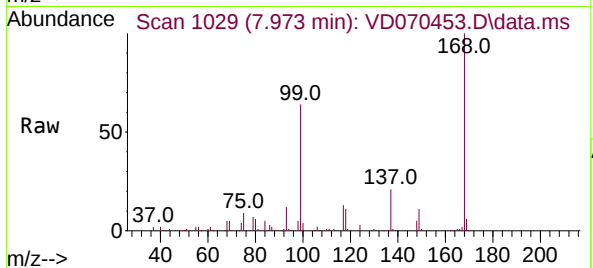




#31
Cyclohexane
Concen: 1.104 ug/l
RT: 7.973 min Scan# 1029
Delta R.T. -0.012 min
Lab File: VD070453.D
Acq: 24 Sep 2021 14:28

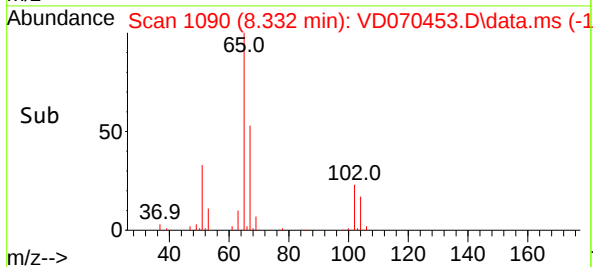
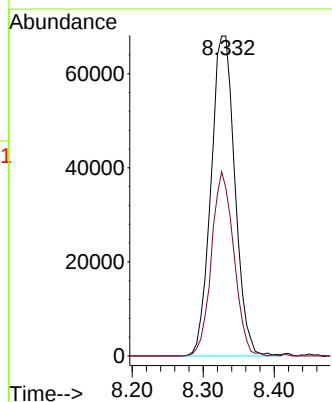
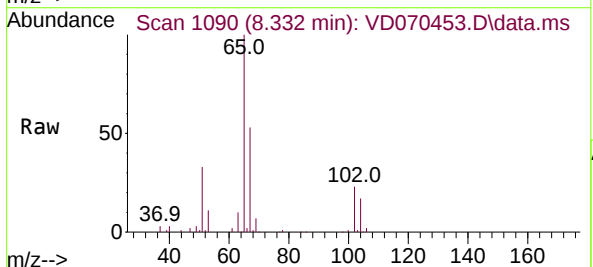
Instrument :
MSVOA_D
ClientSampleId :

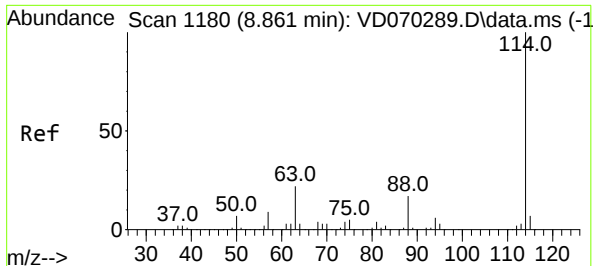
Tgt Ion: 56 Resp: 5276
Ion Ratio Lower Upper
56 100
69 216.3 26.9 40.3#
84 195.0 73.6 110.4#



#33
1,2-Dichloroethane-d4
Concen: 57.278 ug/l
RT: 8.332 min Scan# 1090
Delta R.T. 0.006 min
Lab File: VD070453.D
Acq: 24 Sep 2021 14:28

Tgt Ion: 65 Resp: 158937
Ion Ratio Lower Upper
65 100
67 53.8 0.0 111.4

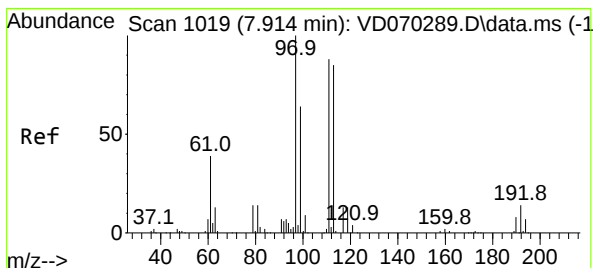
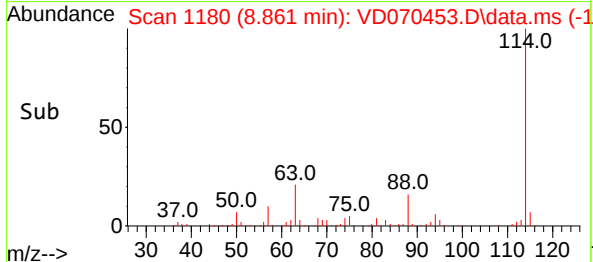
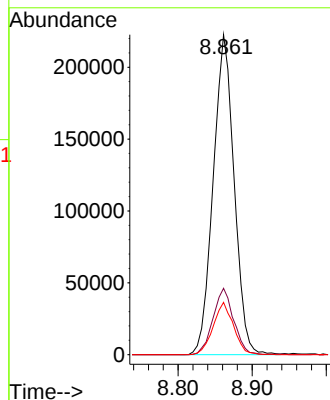
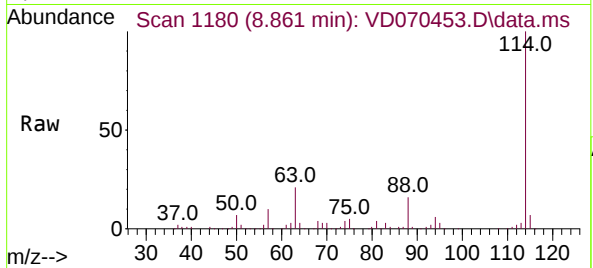




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.861 min Scan# 1180
Delta R.T. -0.000 min
Lab File: VD070453.D
Acq: 24 Sep 2021 14:28

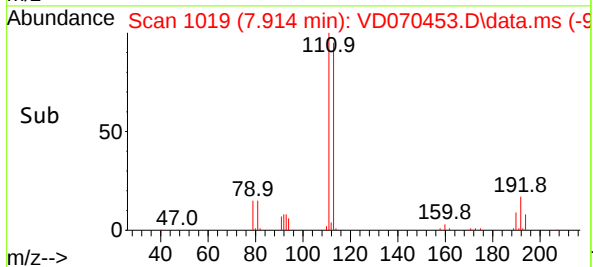
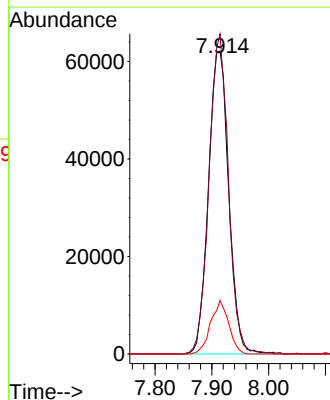
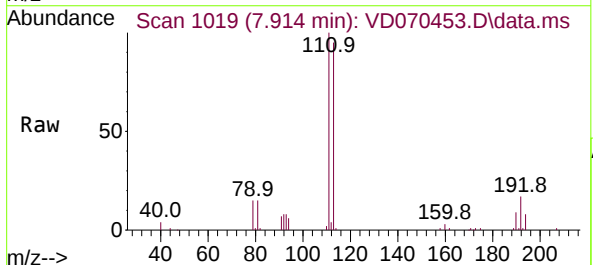
Instrument :
MSVOA_D
ClientSampleId :

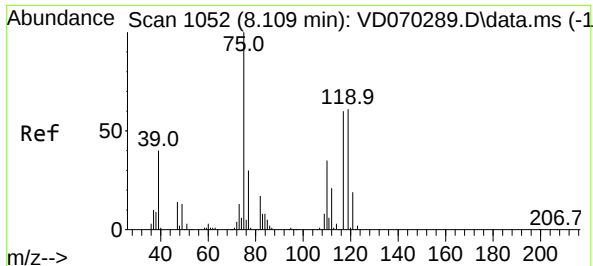
Tgt Ion:114 Resp: 437323
Ion Ratio Lower Upper
114 100
63 20.7 0.0 43.4
88 16.4 0.0 33.4



#35
Dibromofluoromethane
Concen: 49.385 ug/l
RT: 7.914 min Scan# 1019
Delta R.T. -0.000 min
Lab File: VD070453.D
Acq: 24 Sep 2021 14:28

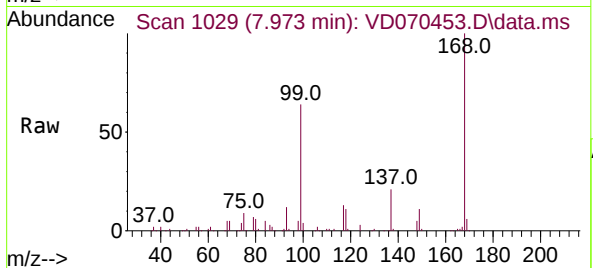
Tgt Ion:113 Resp: 153733
Ion Ratio Lower Upper
113 100
111 101.1 81.4 122.2
192 15.8 13.0 19.6



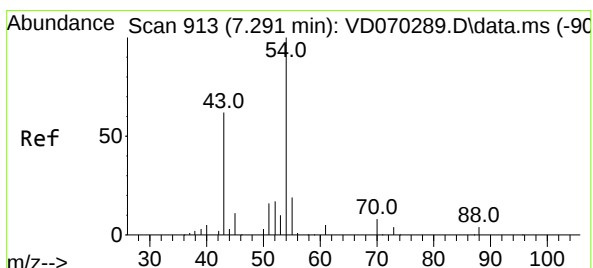
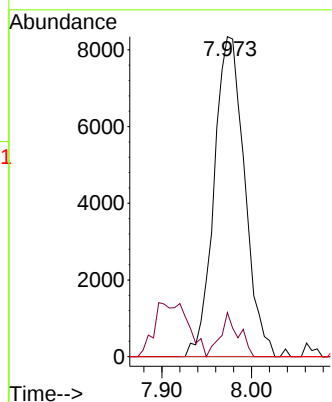
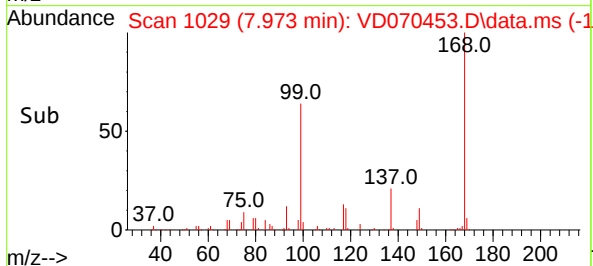


#36
1,1-Dichloropropene
Concen: 4.212 ug/l
RT: 7.973 min Scan# 1029
Delta R.T. -0.135 min
Lab File: VD070453.D
Acq: 24 Sep 2021 14:28

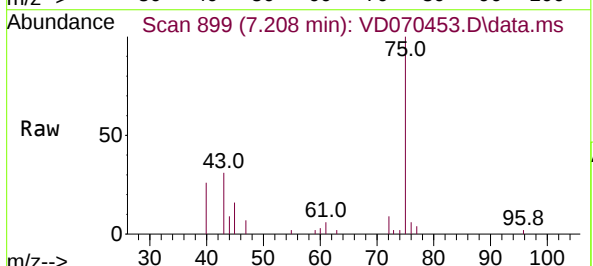
Instrument :
MSVOA_D
ClientSampleId :



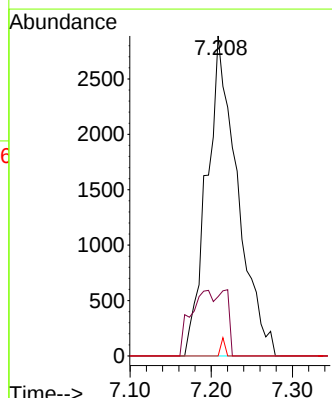
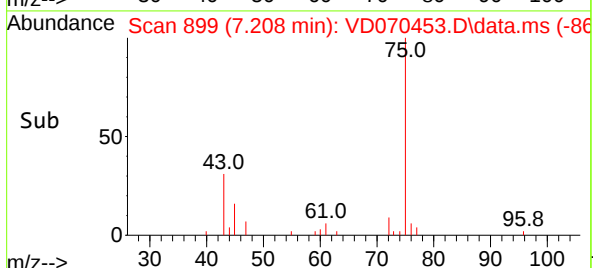
Tgt Ion: 75 Resp: 19687
Ion Ratio Lower Upper
75 100
110 8.2 17.9 53.7#
77 0.0 25.3 37.9#

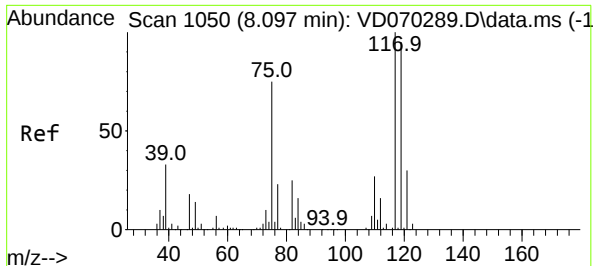


#37
Ethyl Acetate
Concen: 4.340 ug/l
RT: 7.208 min Scan# 899
Delta R.T. -0.083 min
Lab File: VD070453.D
Acq: 24 Sep 2021 14:28



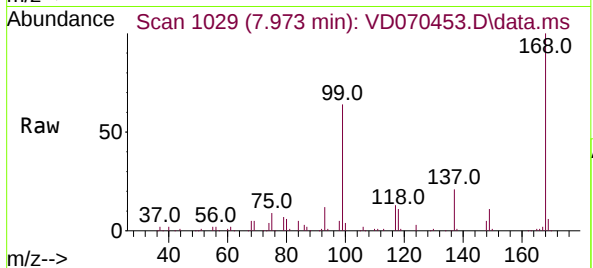
Tgt Ion: 43 Resp: 7586
Ion Ratio Lower Upper
43 100
61 15.5 13.0 19.6
70 0.8 9.8 14.6#



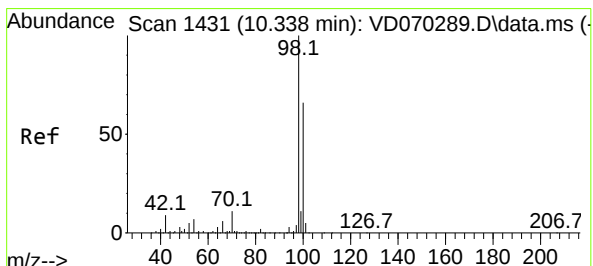
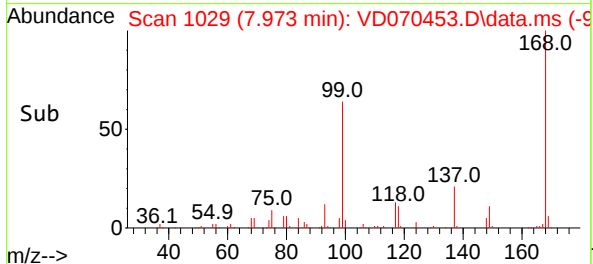
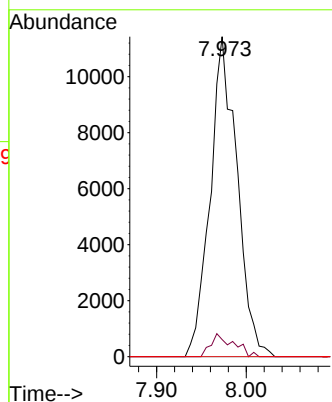


#38
Carbon Tetrachloride
Concen: 5.143 ug/l
RT: 7.973 min Scan# 1029
Delta R.T. -0.124 min
Lab File: VD070453.D
Acq: 24 Sep 2021 14:28

Instrument :
MSVOA_D
ClientSampleId :

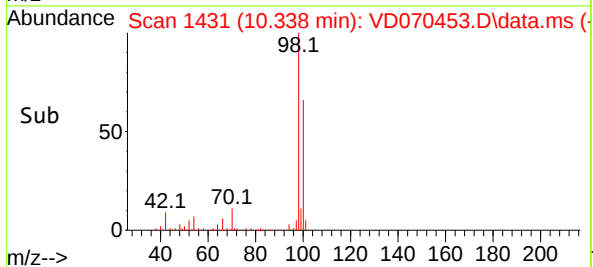
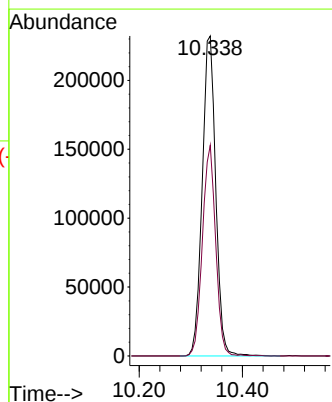
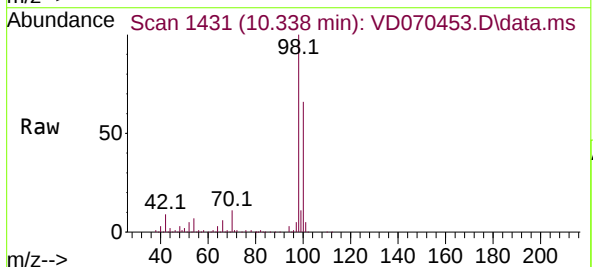


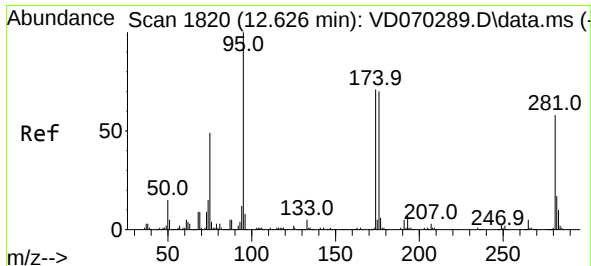
Tgt Ion:117 Resp: 23778
Ion Ratio Lower Upper
117 100
119 5.4 76.1 114.1#
121 0.0 23.8 35.6#



#50
Toluene-d8
Concen: 37.215 ug/l
RT: 10.338 min Scan# 1431
Delta R.T. -0.000 min
Lab File: VD070453.D
Acq: 24 Sep 2021 14:28

Tgt Ion: 98 Resp: 420612
Ion Ratio Lower Upper
98 100
100 64.7 52.0 78.0

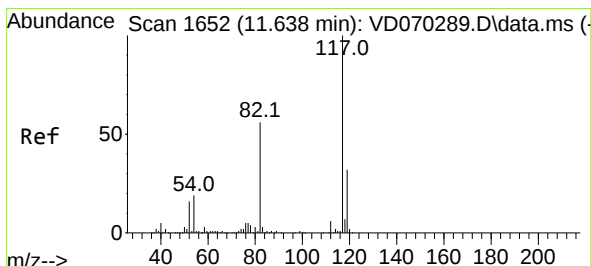
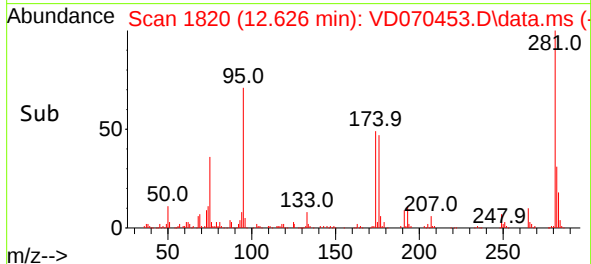
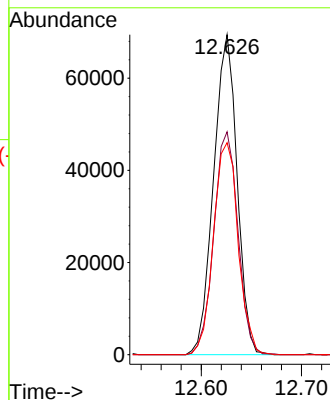
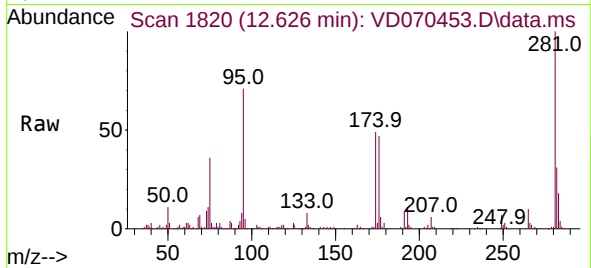




#62
4-Bromofluorobenzene
Concen: 28.575 ug/l
RT: 12.626 min Scan# 1820
Delta R.T. -0.000 min
Lab File: VD070453.D
Acq: 24 Sep 2021 14:28

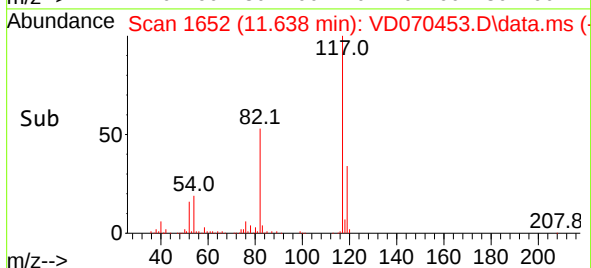
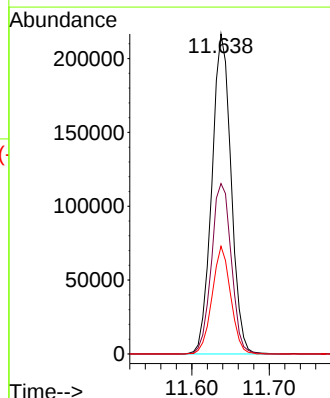
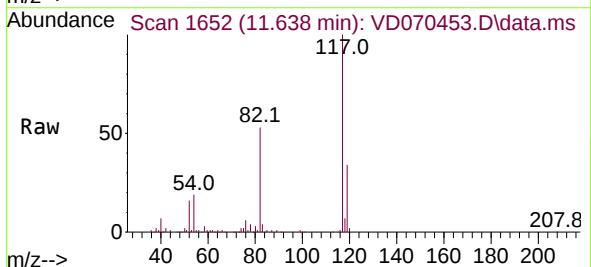
Instrument :
MSVOA_D
ClientSampleId :

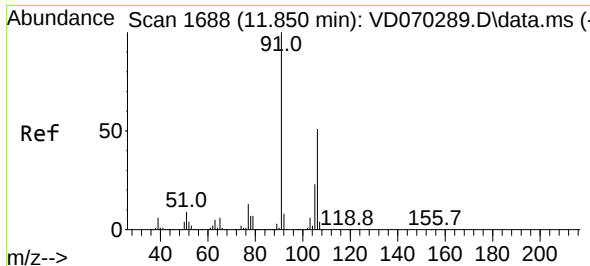
Tgt Ion: 95 Resp: 112872
Ion Ratio Lower Upper
95 100
174 71.3 0.0 140.6
176 69.8 0.0 137.4



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.638 min Scan# 1652
Delta R.T. -0.000 min
Lab File: VD070453.D
Acq: 24 Sep 2021 14:28

Tgt Ion:117 Resp: 373709
Ion Ratio Lower Upper
117 100
82 53.2 45.0 67.4
119 33.7 25.2 37.8

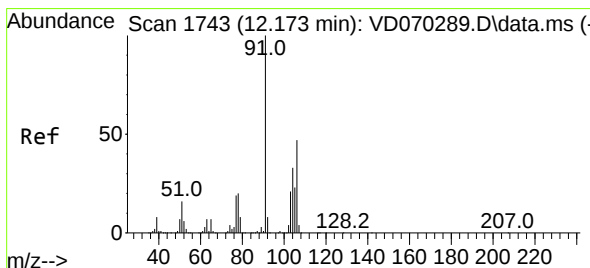
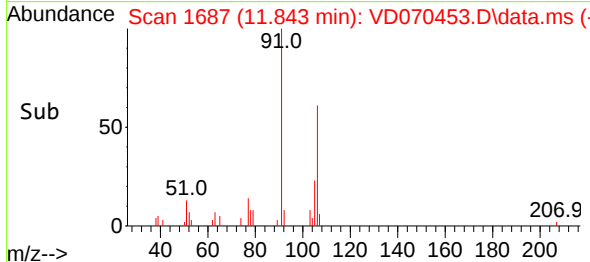
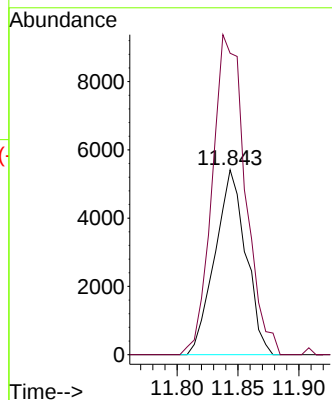
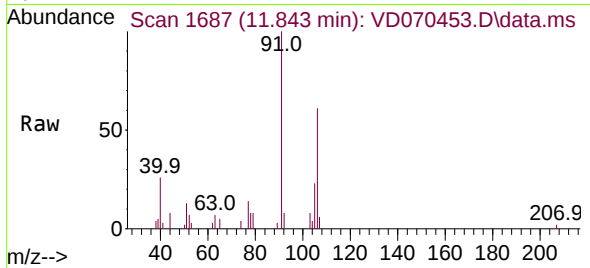




#68
m/p-Xylenes
Concen: 1.862 ug/l
RT: 11.843 min Scan# 1687
Delta R.T. -0.006 min
Lab File: VD070453.D
Acq: 24 Sep 2021 14:28

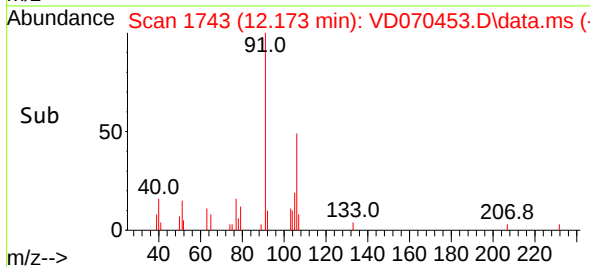
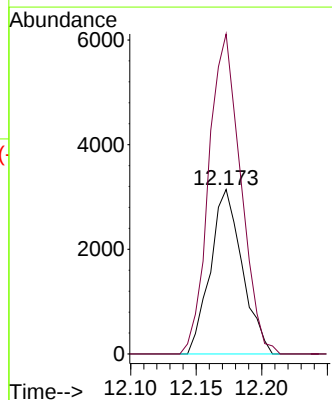
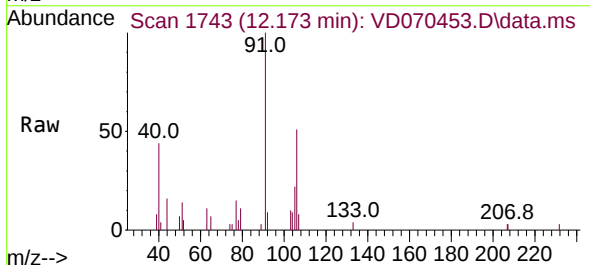
Instrument :
MSVOA_D
ClientSampleId :

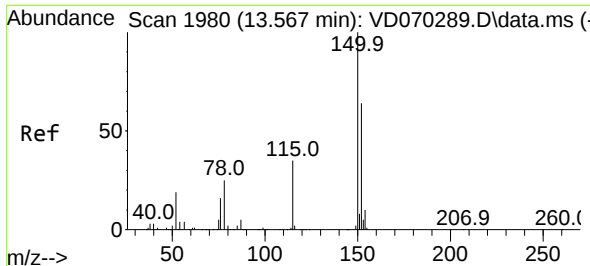
Tgt Ion:106 Resp: 9604
Ion Ratio Lower Upper
106 100
91 185.1 161.2 241.8



#69
o-Xylene
Concen: 1.149 ug/l
RT: 12.173 min Scan# 1743
Delta R.T. -0.000 min
Lab File: VD070453.D
Acq: 24 Sep 2021 14:28

Tgt Ion:106 Resp: 5310
Ion Ratio Lower Upper
106 100
91 195.2 106.3 318.9

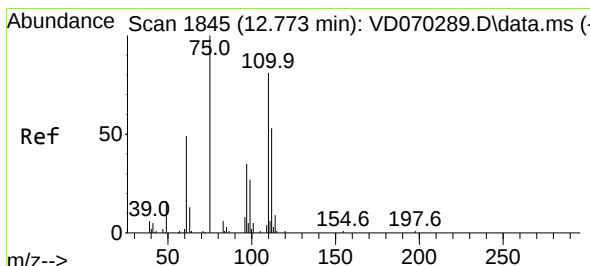
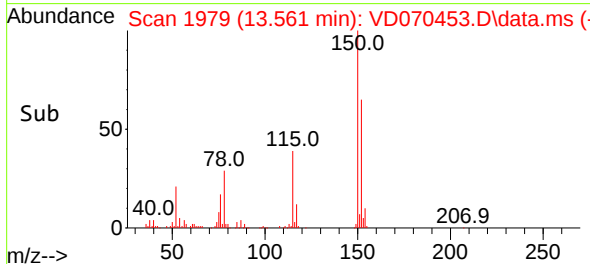
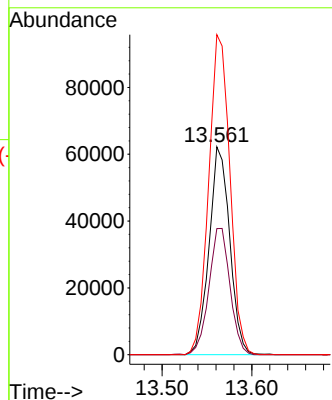
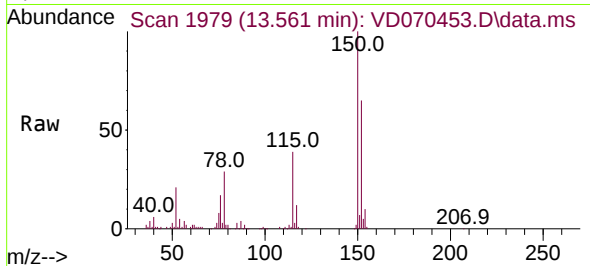




#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.561 min Scan# 1979
Delta R.T. -0.006 min
Lab File: VD070453.D
Acq: 24 Sep 2021 14:28

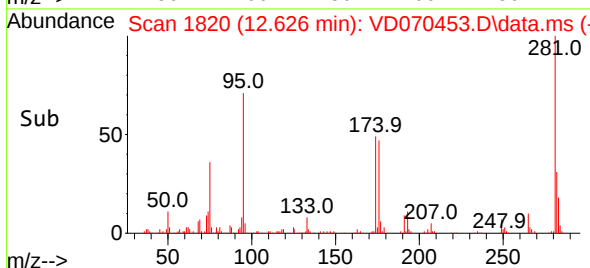
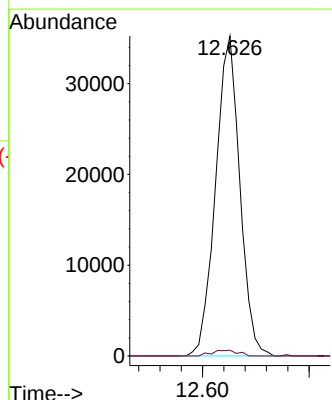
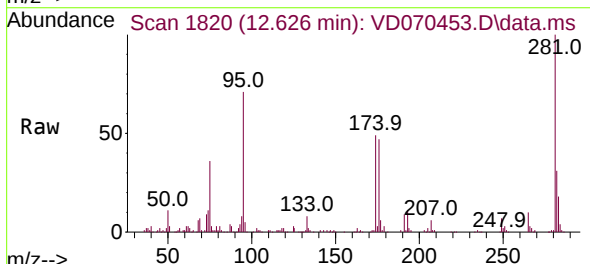
Instrument :
MSVOA_D
ClientSampleId :

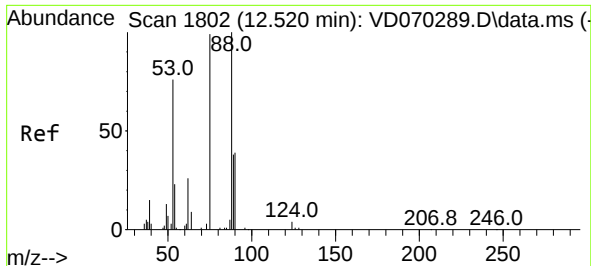
Tgt Ion	Ratio	Lower	Upper
152	100		
115	62.1	32.1	96.3
150	158.0	0.0	350.6



#76
1,2,3-Trichloropropane
Concen: 55.261 ug/l
RT: 12.626 min Scan# 1820
Delta R.T. -0.147 min
Lab File: VD070453.D
Acq: 24 Sep 2021 14:28

Tgt Ion	Ratio	Lower	Upper
75	100		
77	2.0	174.9	524.7#

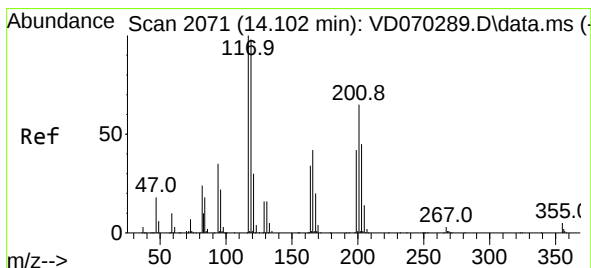
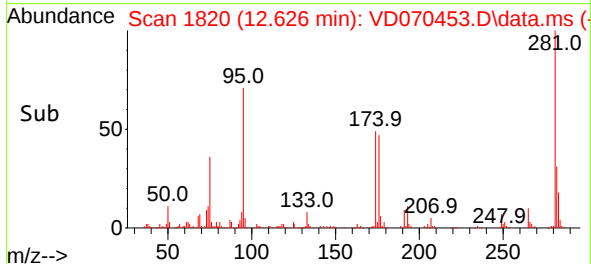
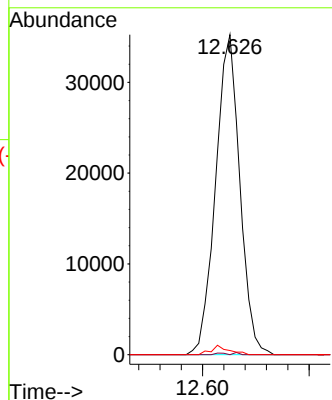
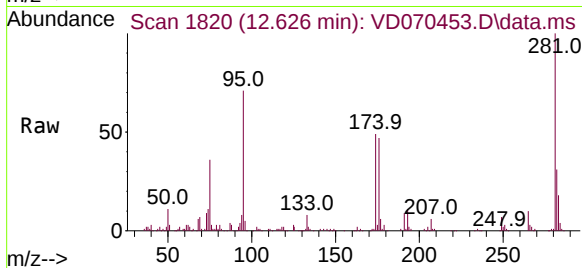




#81
trans-1,4-Dichloro-2-butene
Concen: 138.461 ug/l
RT: 12.626 min Scan# 1820
Delta R.T. 0.106 min
Lab File: VD070453.D
Acq: 24 Sep 2021 14:28

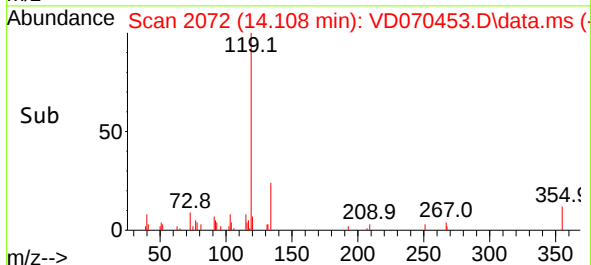
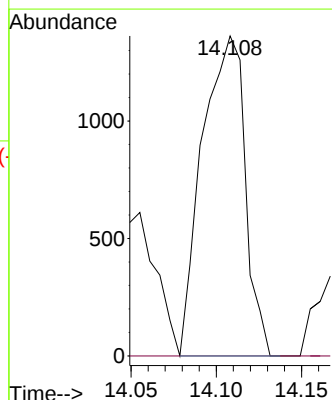
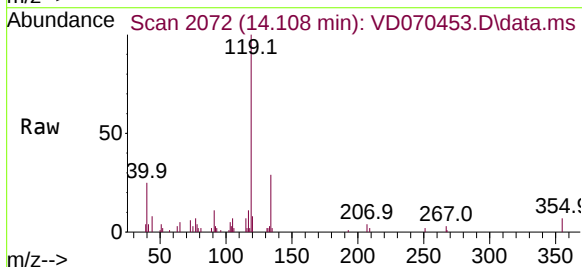
Instrument :
MSVOA_D
ClientSampleId :

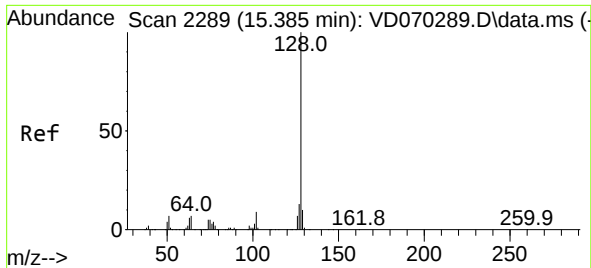
Tgt Ion: 75 Resp: 55543
Ion Ratio Lower Upper
75 100
53 0.2 64.2 96.2#
89 2.1 35.6 53.4#



#90
Hexachloroethane
Concen: 1.688 ug/l
RT: 14.108 min Scan# 2072
Delta R.T. 0.006 min
Lab File: VD070453.D
Acq: 24 Sep 2021 14:28

Tgt Ion: 117 Resp: 2381
Ion Ratio Lower Upper
117 100
201 0.0 31.9 95.9#





#95
Naphthalene
Concen: 10.776 ug/l
RT: 15.384 min Scan# 2289
Delta R.T. -0.000 min
Lab File: VD070453.D
Acq: 24 Sep 2021 14:28

Instrument :
MSVOA_D
ClientSampleId :

Tgt Ion:	128	Resp:	31233
Ion	Ratio	Lower	Upper
128	100		
127	14.0	10.5	15.7
129	10.4	9.0	13.4

