

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD092221\
 Data File : VD070427.D
 Acq On : 22 Sep 2021 15:26
 Operator : VA/SY
 Sample : M3867-03
 Misc : 5.79G/5.00ml/MSVOA_D/SOIL
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 SB-3-(7.0-8.0)

Quant Time: Sep 23 05:32:51 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)

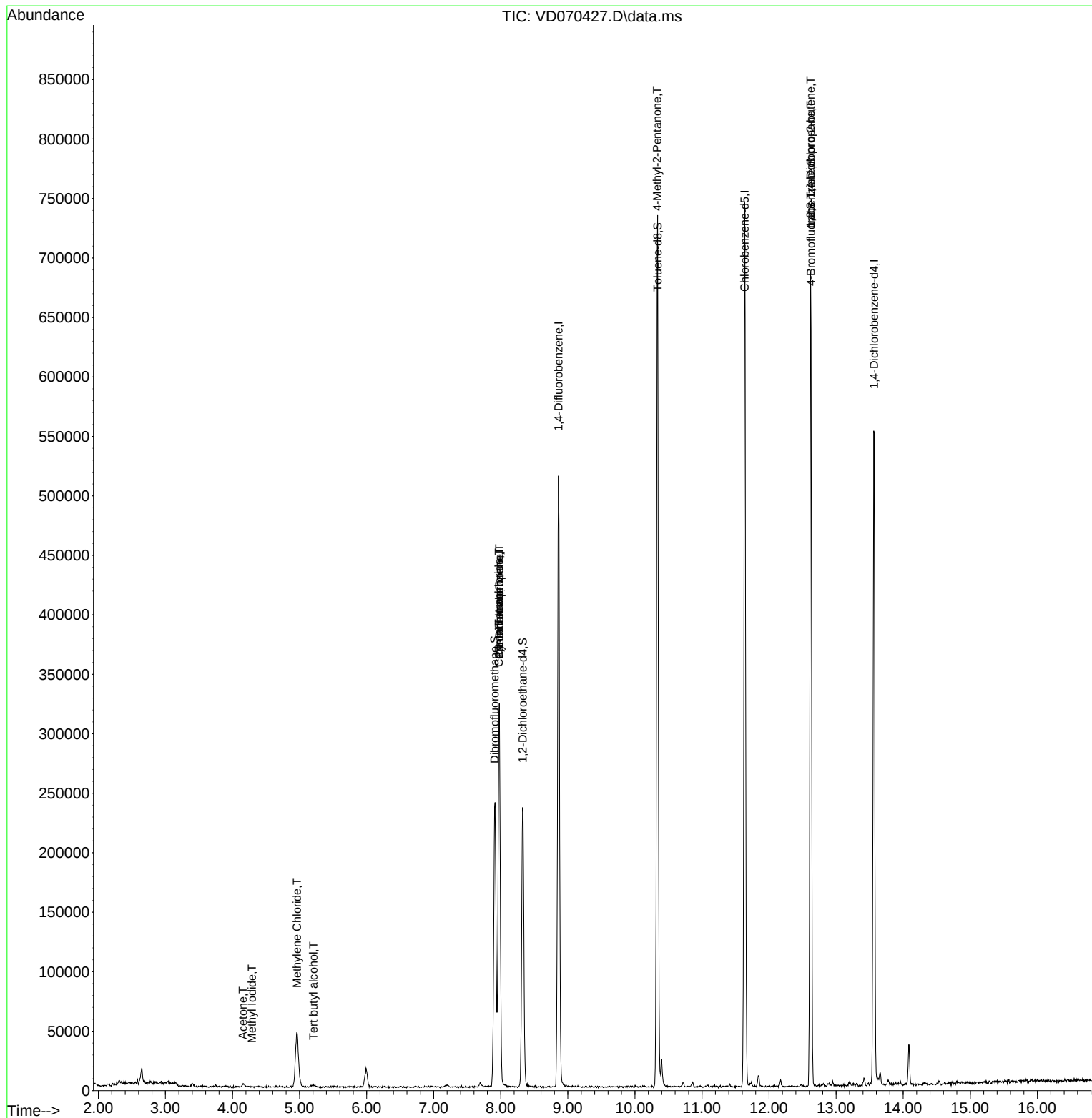
Internal Standards						
1) Pentafluorobenzene	7.979	168	225740	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.861	114	450136	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.637	117	434968	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.567	152	154080	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.326	65	187225	64.593	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 129.180%			
35) Dibromofluoromethane	7.908	113	179675	56.076	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery = 112.160%			
50) Toluene-d8	10.337	98	508898	43.745	ug/l	0.00
Spiked Amount 50.000	Range 49 - 140		Recovery = 87.480%			
62) 4-Bromofluorobenzene	12.626	95	156440	38.478	ug/l	0.00
Spiked Amount 50.000	Range 25 - 144		Recovery = 76.960%			
Target Compounds						
2) Dichlorodifluoromethane	1.991	85	249	Below Cal	#	43
3) Chloromethane	2.214	50	615	Below Cal	#	23
5) Bromomethane	2.773	94	1129	Below Cal	#	66
6) Chloroethane	2.644	64	58	Below Cal	#	1
10) Methyl Iodide	4.291	142	134	1.076	ug/l #	39
11) Tert butyl alcohol	5.208	59	981	2.993	ug/l #	100
16) Acetone	4.155	43	4262	8.236	ug/l	92
18) Methyl Acetate	4.685	43	67	Below Cal	#	48
20) Methylene Chloride	4.961	84	39309	5.763	ug/l	90
31) Cyclohexane	7.979	56	6043	1.210	ug/l #	2
36) 1,1-Dichloropropene	7.979	75	20147	4.187	ug/l #	47
38) Carbon Tetrachloride	7.973	117	25292	5.315	ug/l #	17
51) 4-Methyl-2-Pentanone	10.332	43	2029	1.179	ug/l #	1
76) 1,2,3-Trichloropropane	12.620	75	76130	48.847	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.620	75	76130	122.391	ug/l #	18

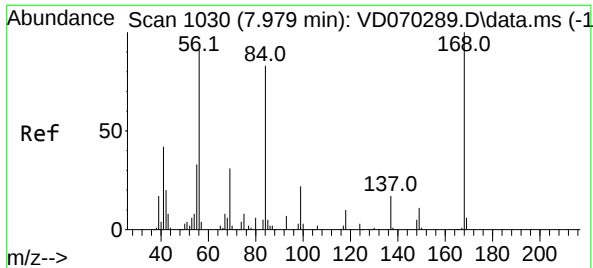
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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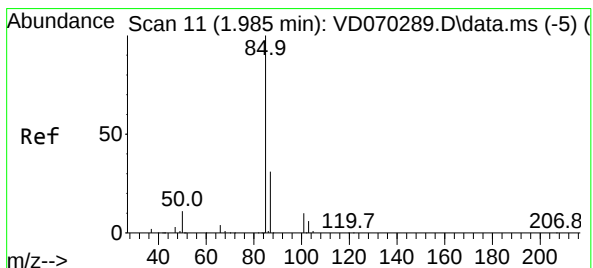
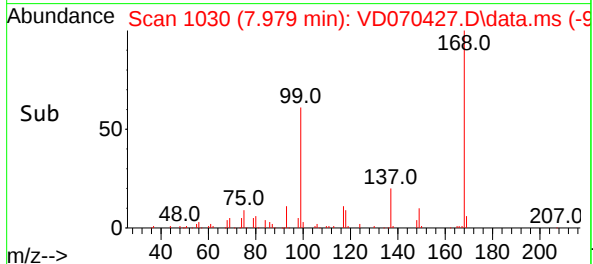
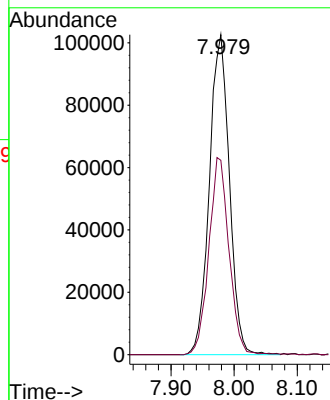
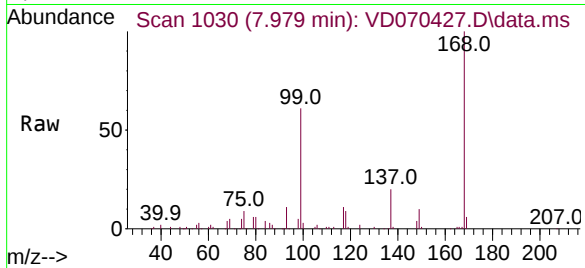




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.979 min Scan# 1030
Delta R.T. -0.000 min
Lab File: VD070427.D
Acq: 22 Sep 2021 15:26

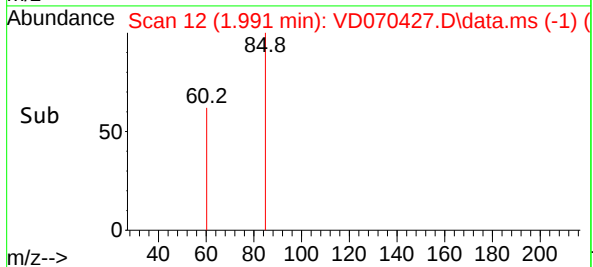
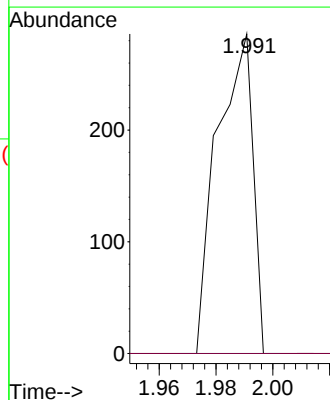
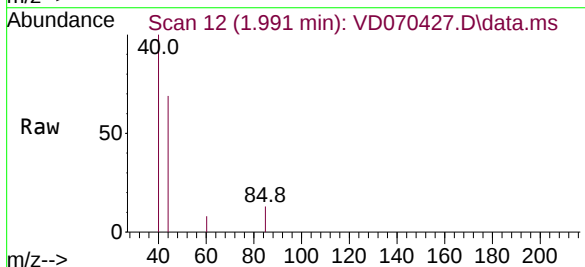
Instrument :
MSVOA_D
ClientSampleId :
SB-3-(7.0-8.0)

Tgt Ion:168 Resp: 225740
Ion Ratio Lower Upper
168 100
99 60.7 50.8 76.2



#2
Dichlorodifluoromethane
Concen: Below Cal
RT: 1.991 min Scan# 12
Delta R.T. 0.006 min
Lab File: VD070427.D
Acq: 22 Sep 2021 15:26

Tgt Ion: 85 Resp: 249
Ion Ratio Lower Upper
85 100
87 0.0 15.6 46.8#

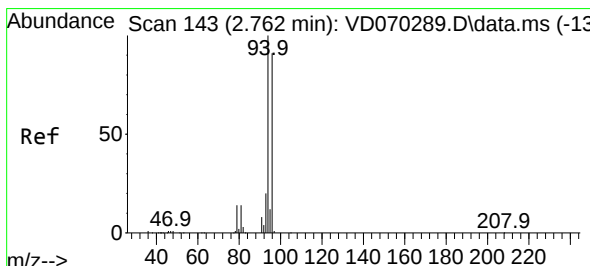
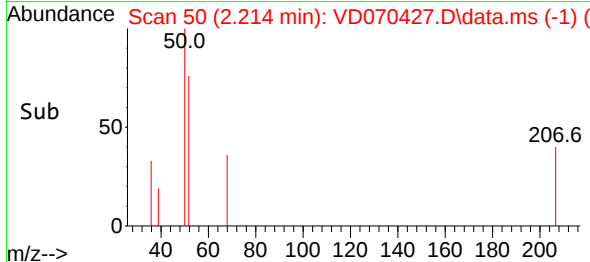
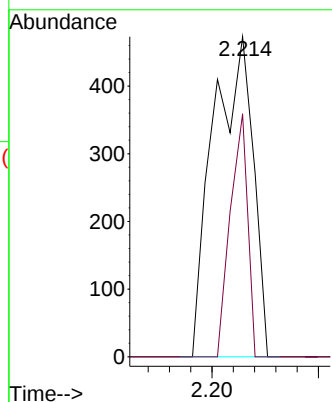
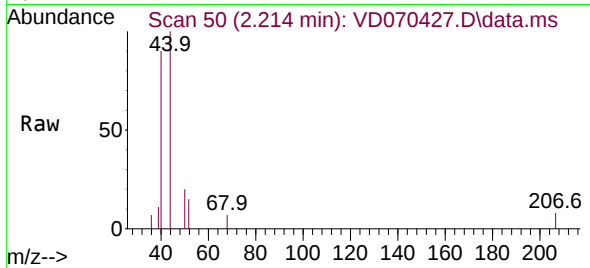




#3
Chloromethane
Concen: Below Cal
RT: 2.214 min Scan# 50
Delta R.T. 0.005 min
Lab File: VD070427.D
Acq: 22 Sep 2021 15:26

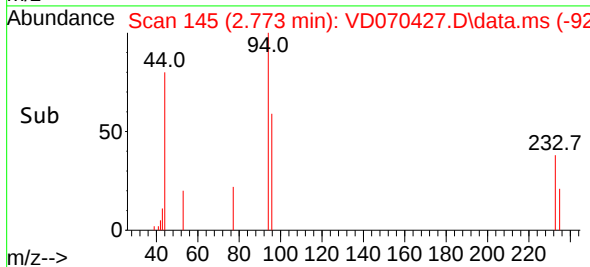
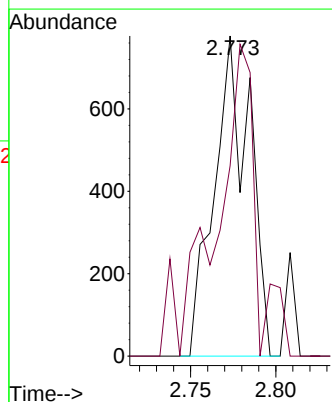
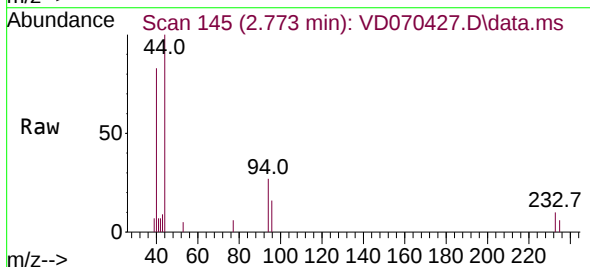
Instrument :
MSVOA_D
ClientSampleId :
SB-3-(7.0-8.0)

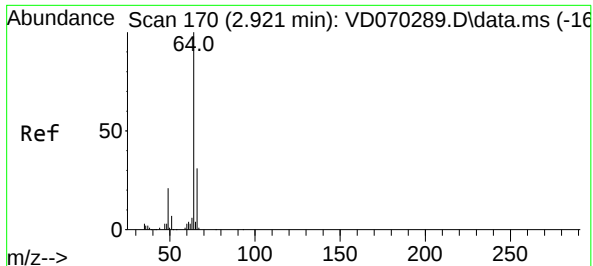
Tgt Ion: 50 Resp: 615
Ion Ratio Lower Upper
50 100
52 75.9 26.2 39.2#



#5
Bromomethane
Concen: Below Cal
RT: 2.773 min Scan# 145
Delta R.T. 0.011 min
Lab File: VD070427.D
Acq: 22 Sep 2021 15:26

Tgt Ion: 94 Resp: 1129
Ion Ratio Lower Upper
94 100
96 59.5 73.0 109.6#

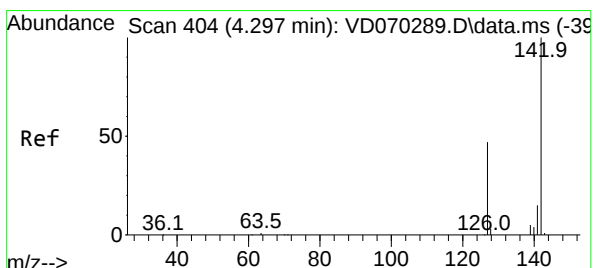
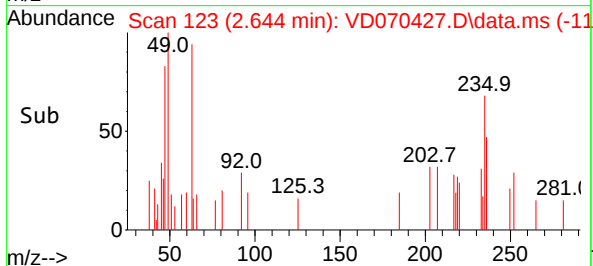
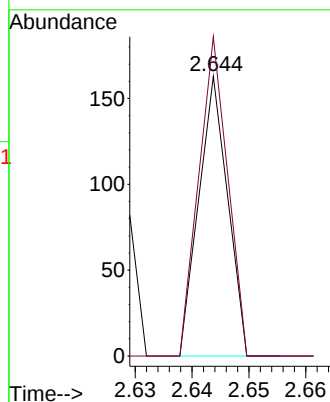
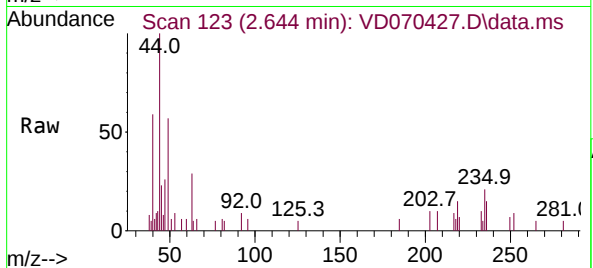




#6
Chloroethane
Concen: Below Cal
RT: 2.644 min Scan# 123
Delta R.T. -0.277 min
Lab File: VD070427.D
Acq: 22 Sep 2021 15:26

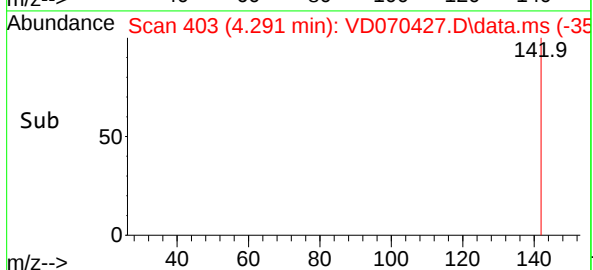
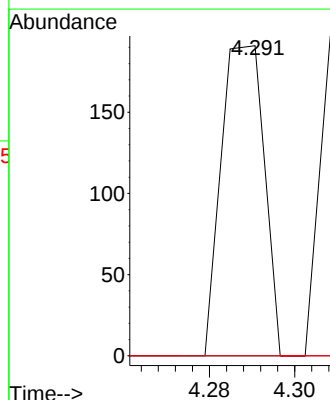
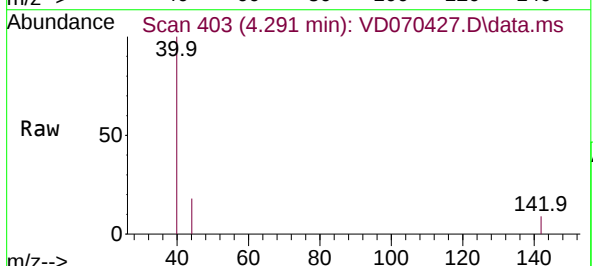
Instrument :
MSVOA_D
ClientSampleId :
SB-3-(7.0-8.0)

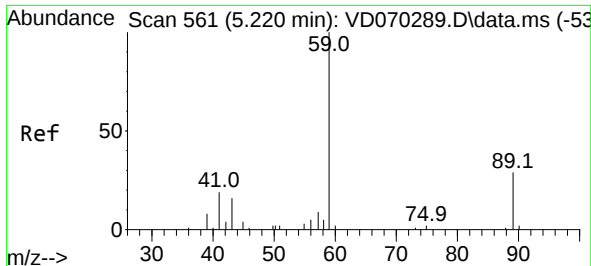
Tgt Ion: 64 Resp: 58
Ion Ratio Lower Upper
64 100
66 114.1 25.0 37.4#



#10
Methyl Iodide
Concen: 1.076 ug/l
RT: 4.291 min Scan# 403
Delta R.T. -0.006 min
Lab File: VD070427.D
Acq: 22 Sep 2021 15:26

Tgt Ion: 142 Resp: 134
Ion Ratio Lower Upper
142 100
127 0.0 36.9 55.3#
141 0.0 11.8 17.6#



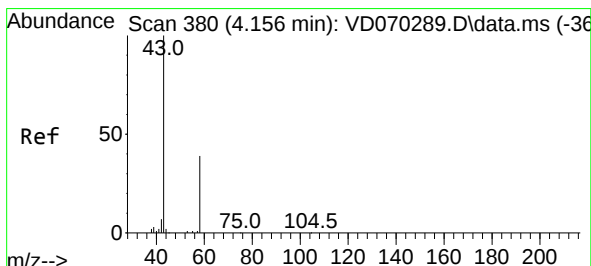
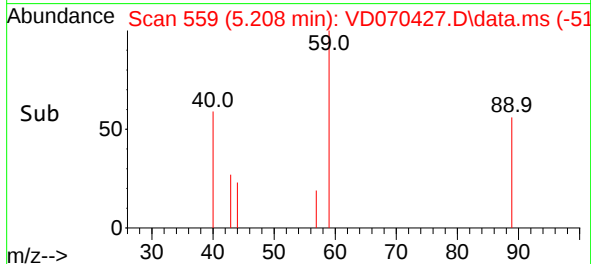
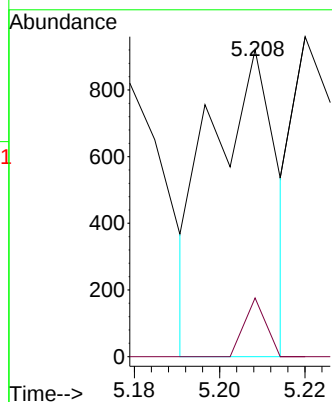
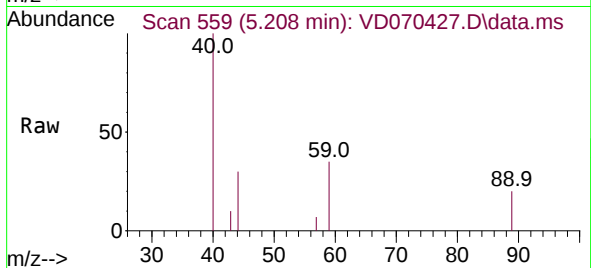


#11

Tert butyl alcohol
Concen: 2.993 ug/l
RT: 5.208 min Scan# 559
Delta R.T. -0.012 min
Lab File: VD070427.D
Acq: 22 Sep 2021 15:26

Instrument :
MSVOA_D
ClientSampleId :
SB-3-(7.0-8.0)

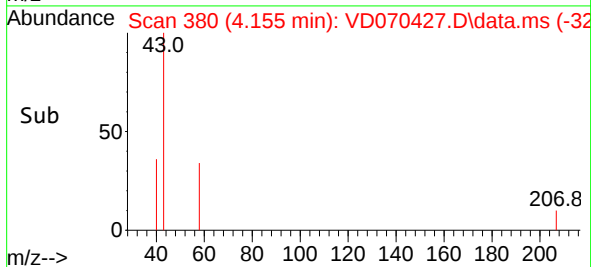
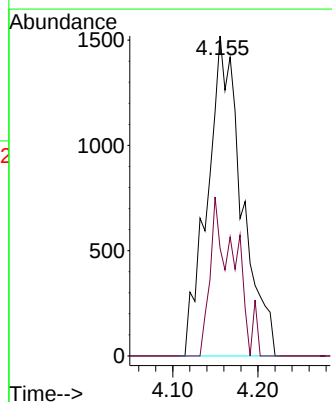
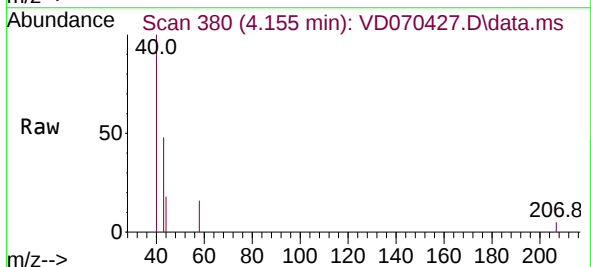
Tgt Ion: 59 Resp: 981
Ion Ratio Lower Upper
59 100
57 6.3 0.0 0.0#

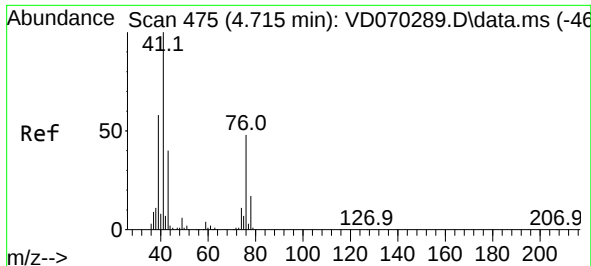


#16

Acetone
Concen: 8.236 ug/l
RT: 4.155 min Scan# 380
Delta R.T. -0.000 min
Lab File: VD070427.D
Acq: 22 Sep 2021 15:26

Tgt Ion: 43 Resp: 4262
Ion Ratio Lower Upper
43 100
58 33.7 30.9 46.3

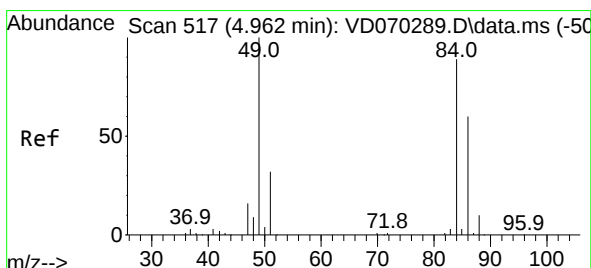
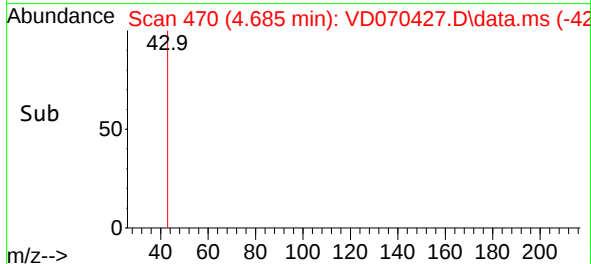
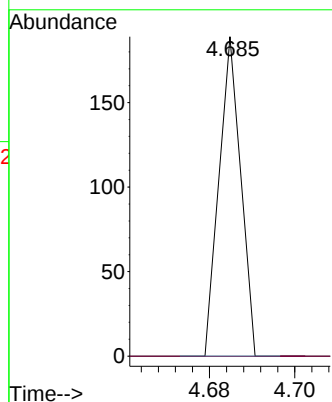
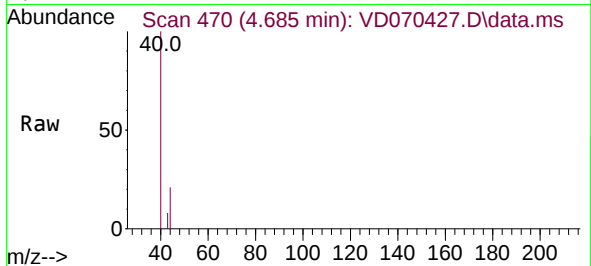




#18
Methyl Acetate
Concen: Below Cal
RT: 4.685 min Scan# 470
Delta R.T. -0.030 min
Lab File: VD070427.D
Acq: 22 Sep 2021 15:26

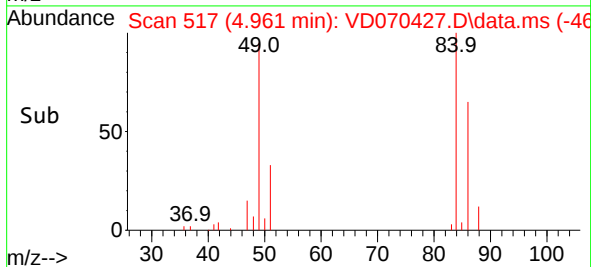
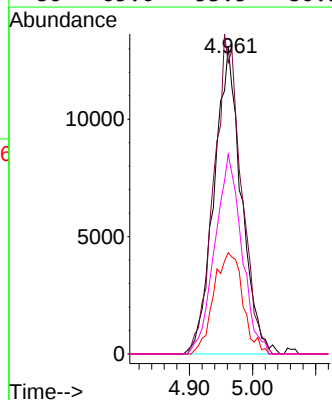
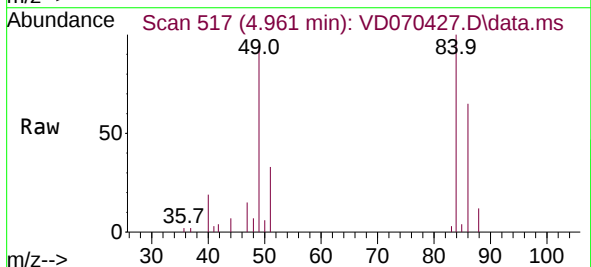
Instrument :
MSVOA_D
ClientSampleId :
SB-3-(7.0-8.0)

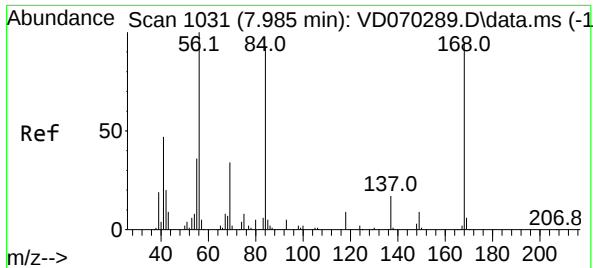
Tgt Ion: 43 Resp: 67
Ion Ratio Lower Upper
43 100
74 0.0 21.6 32.4#



#20
Methylene Chloride
Concen: 5.763 ug/l
RT: 4.961 min Scan# 517
Delta R.T. -0.001 min
Lab File: VD070427.D
Acq: 22 Sep 2021 15:26

Tgt Ion: 84 Resp: 39309
Ion Ratio Lower Upper
84 100
49 94.9 89.6 134.4
51 33.0 28.6 43.0
86 65.0 53.5 80.3

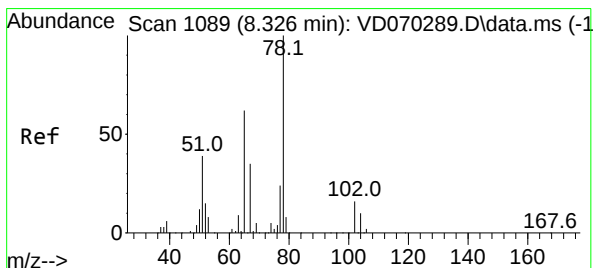
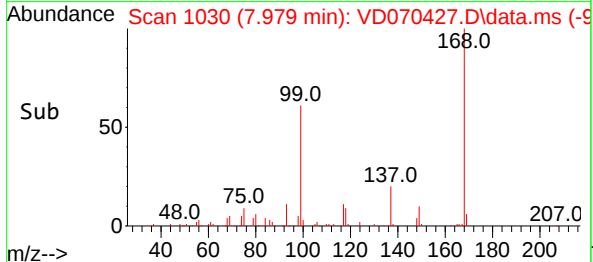
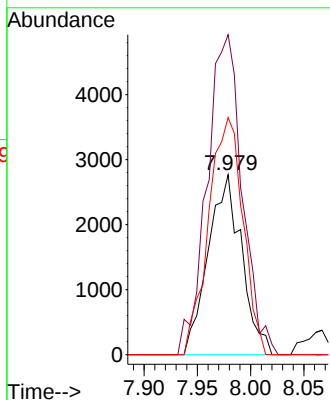
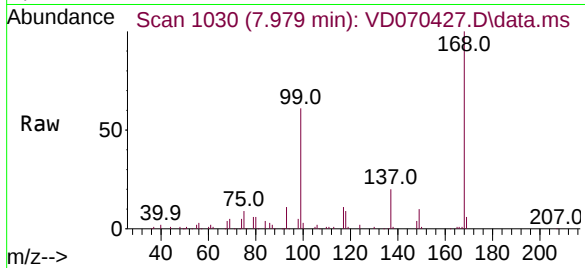




#31
Cyclohexane
Concen: 1.210 ug/l
RT: 7.979 min Scan# 1030
Delta R.T. -0.006 min
Lab File: VD070427.D
Acq: 22 Sep 2021 15:26

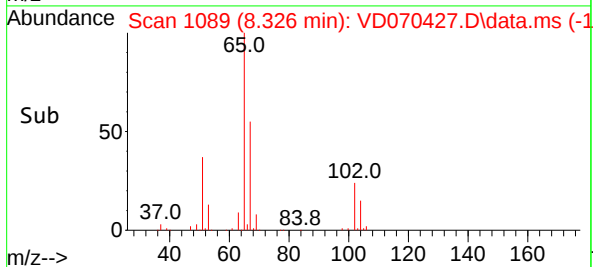
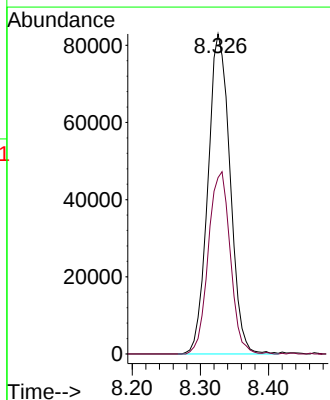
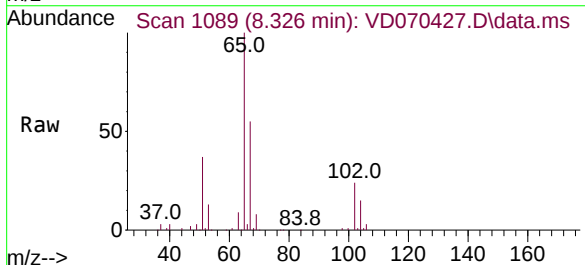
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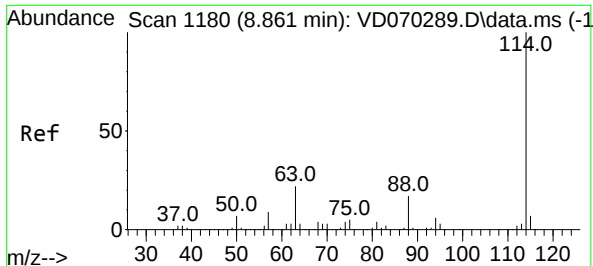
Tgt Ion: 56 Resp: 6043
Ion Ratio Lower Upper
56 100
69 177.7 26.9 40.3#
84 131.7 73.6 110.4#



#33
1,2-Dichloroethane-d4
Concen: 64.593 ug/l
RT: 8.326 min Scan# 1089
Delta R.T. -0.000 min
Lab File: VD070427.D
Acq: 22 Sep 2021 15:26

Tgt Ion: 65 Resp: 187225
Ion Ratio Lower Upper
65 100
67 56.4 0.0 111.4

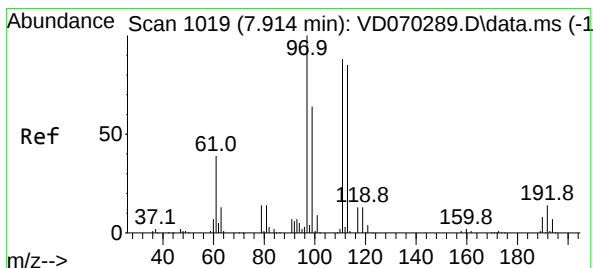
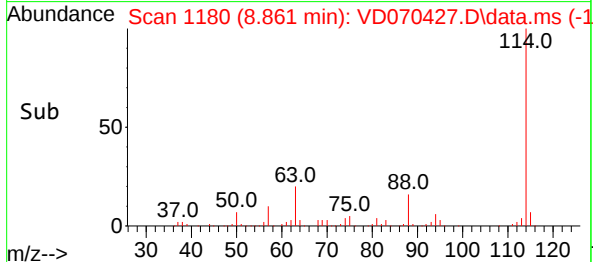
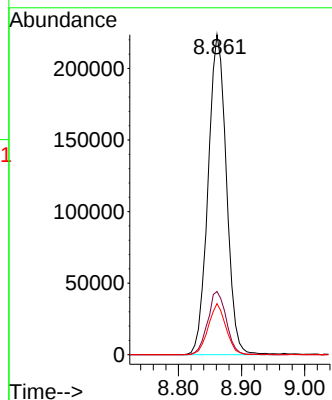
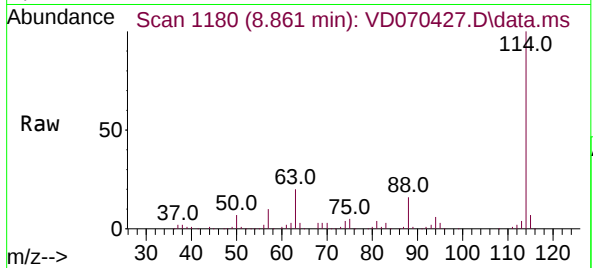




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.861 min Scan# 1180
Delta R.T. -0.000 min
Lab File: VD070427.D
Acq: 22 Sep 2021 15:26

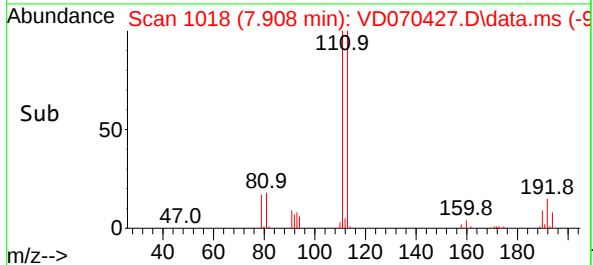
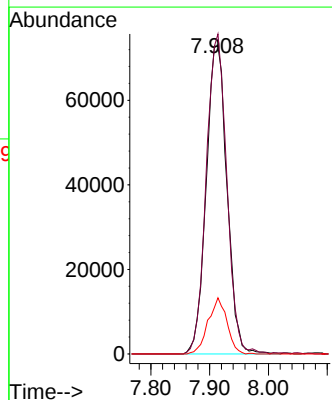
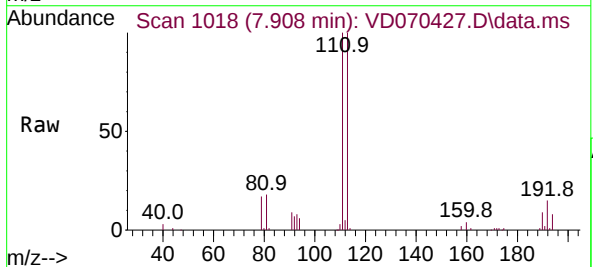
Instrument :
MSVOA_D
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SB-3-(7.0-8.0)

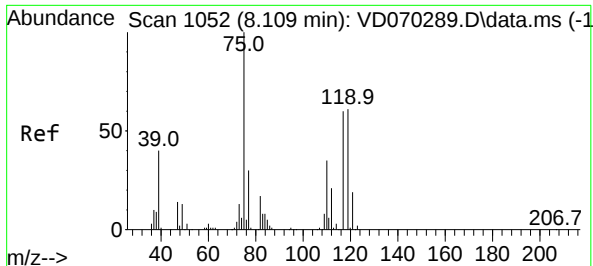
Tgt Ion:114 Resp: 450136
Ion Ratio Lower Upper
114 100
63 19.8 0.0 43.4
88 16.0 0.0 33.4



#35
Dibromofluoromethane
Concen: 56.076 ug/l
RT: 7.908 min Scan# 1018
Delta R.T. -0.006 min
Lab File: VD070427.D
Acq: 22 Sep 2021 15:26

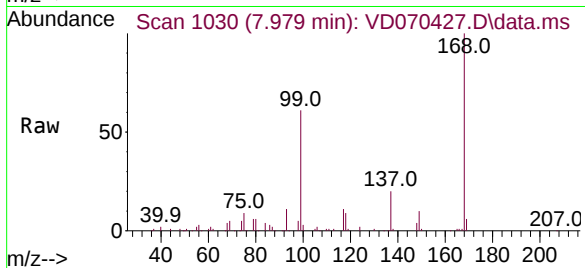
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Ion Ratio Lower Upper
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111 101.8 81.4 122.2
192 16.5 13.0 19.6



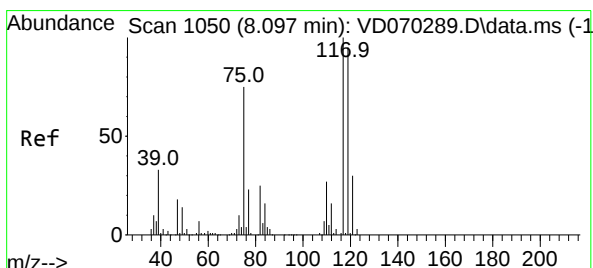
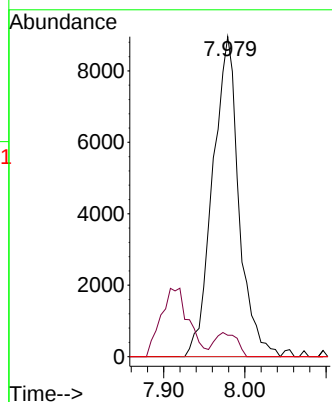
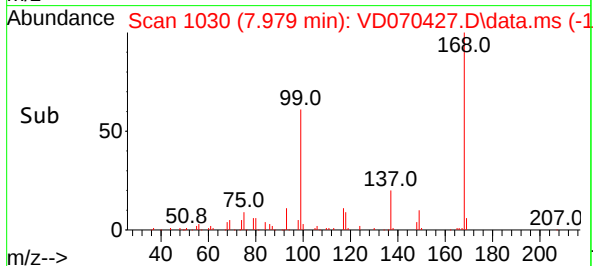


#36
1,1-Dichloropropene
Concen: 4.187 ug/l
RT: 7.979 min Scan# 1030
Delta R.T. -0.130 min
Lab File: VD070427.D
Acq: 22 Sep 2021 15:26

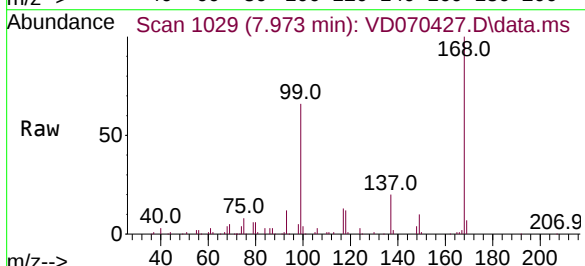
Instrument :
MSVOA_D
ClientSampleId :
SB-3-(7.0-8.0)



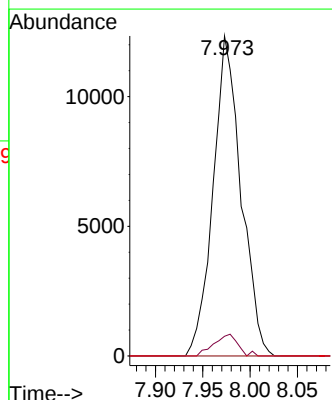
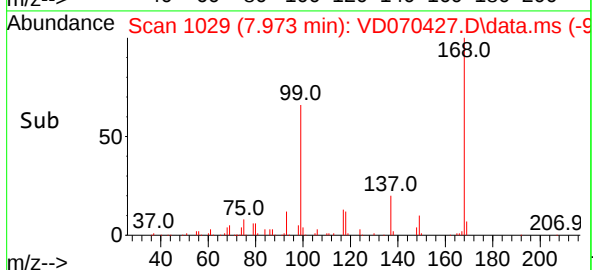
Tgt Ion: 75 Resp: 20147
Ion Ratio Lower Upper
75 100
110 6.3 17.9 53.7#
77 0.0 25.3 37.9#

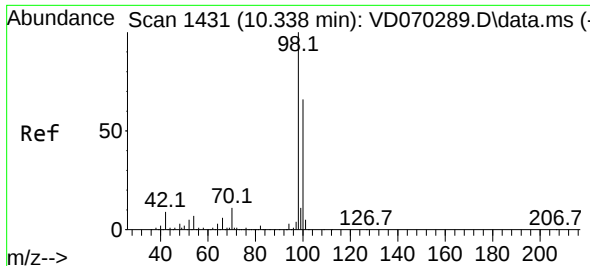


#38
Carbon Tetrachloride
Concen: 5.315 ug/l
RT: 7.973 min Scan# 1029
Delta R.T. -0.124 min
Lab File: VD070427.D
Acq: 22 Sep 2021 15:26



Tgt Ion: 117 Resp: 25292
Ion Ratio Lower Upper
117 100
119 6.2 76.1 114.1#
121 0.0 23.8 35.6#

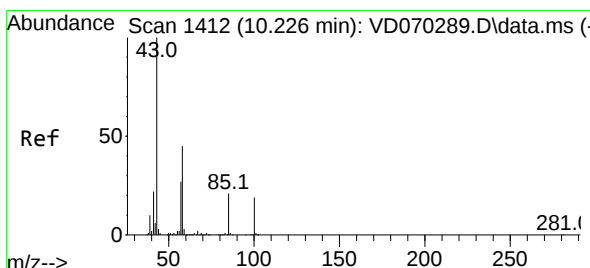
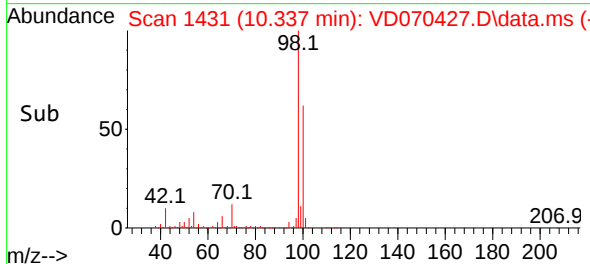
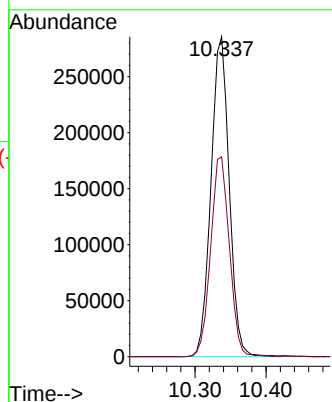
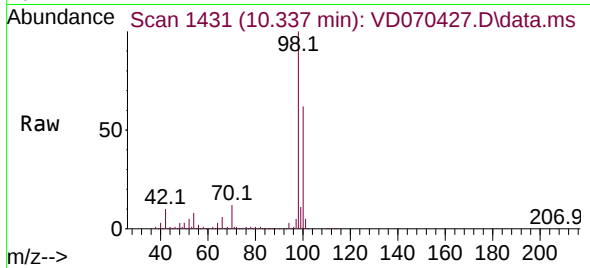




#50
Toluene-d8
Concen: 43.745 ug/l
RT: 10.337 min Scan# 1431
Delta R.T. -0.000 min
Lab File: VD070427.D
Acq: 22 Sep 2021 15:26

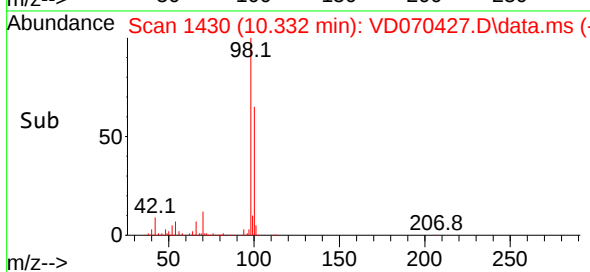
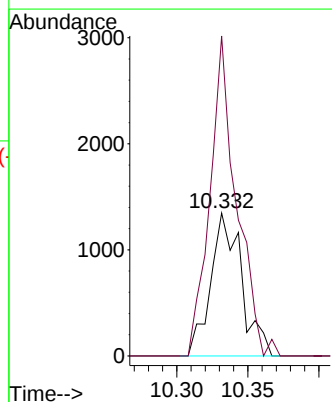
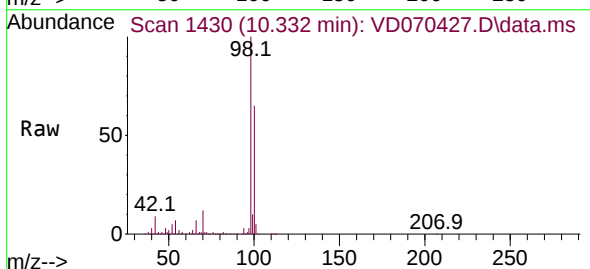
Instrument :
MSVOA_D
ClientSampleId :
SB-3-(7.0-8.0)

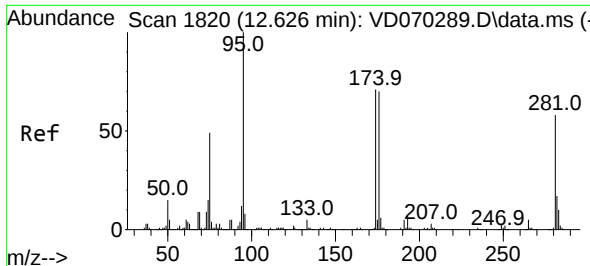
Tgt Ion: 98 Resp: 508898
Ion Ratio Lower Upper
98 100
100 64.2 52.0 78.0



#51
4-Methyl-2-Pentanone
Concen: 1.179 ug/l
RT: 10.332 min Scan# 1430
Delta R.T. 0.106 min
Lab File: VD070427.D
Acq: 22 Sep 2021 15:26

Tgt Ion: 43 Resp: 2029
Ion Ratio Lower Upper
43 100
58 193.6 35.4 53.2#

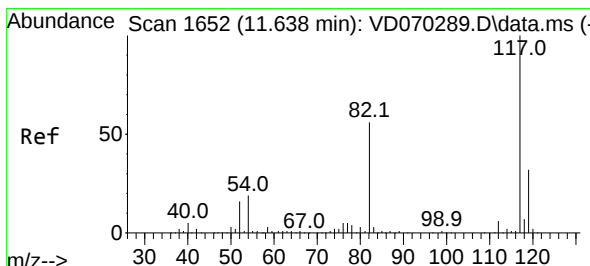
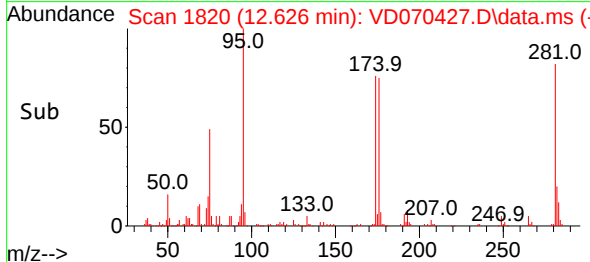
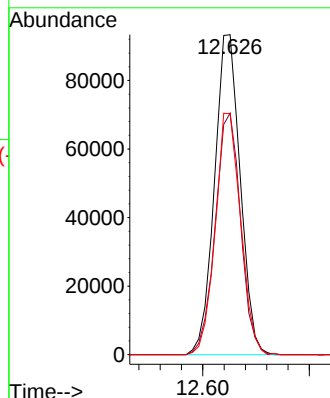
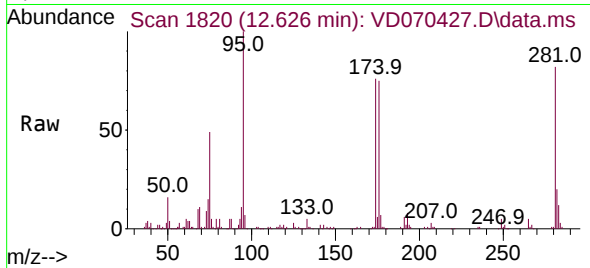




#62
4-Bromofluorobenzene
Concen: 38.478 ug/l
RT: 12.626 min Scan# 1820
Delta R.T. -0.000 min
Lab File: VD070427.D
Acq: 22 Sep 2021 15:26

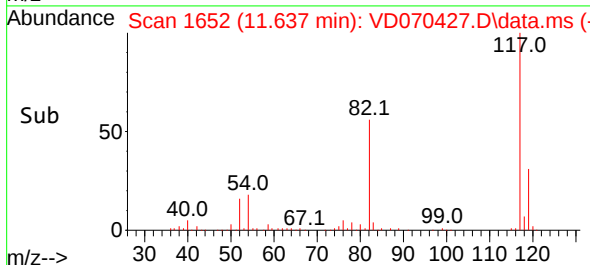
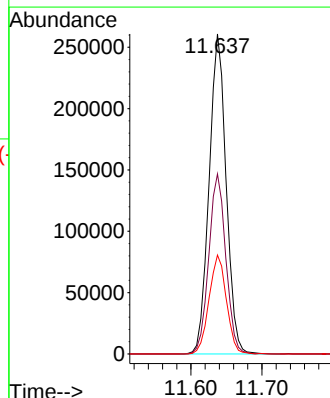
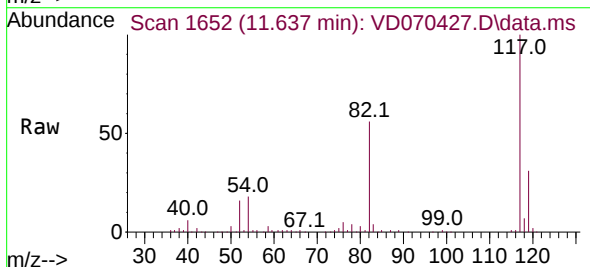
Instrument :
MSVOA_D
ClientSampleId :
SB-3-(7.0-8.0)

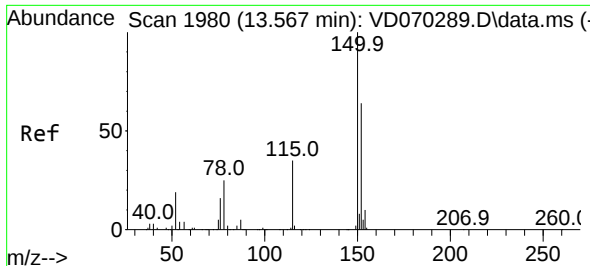
Tgt Ion: 95 Resp: 156440
Ion Ratio Lower Upper
95 100
174 74.3 0.0 140.6
176 74.1 0.0 137.4



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.637 min Scan# 1652
Delta R.T. -0.000 min
Lab File: VD070427.D
Acq: 22 Sep 2021 15:26

Tgt Ion: 117 Resp: 434968
Ion Ratio Lower Upper
117 100
82 56.3 45.0 67.4
119 30.9 25.2 37.8

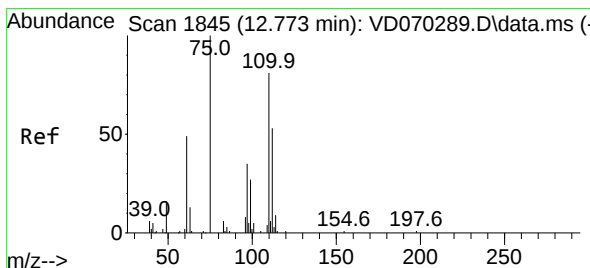
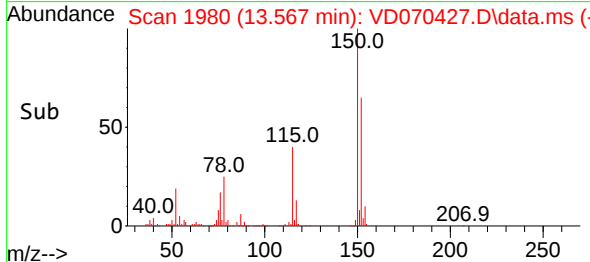
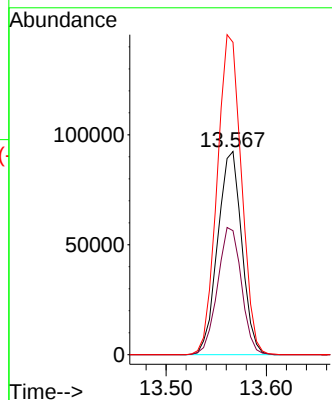
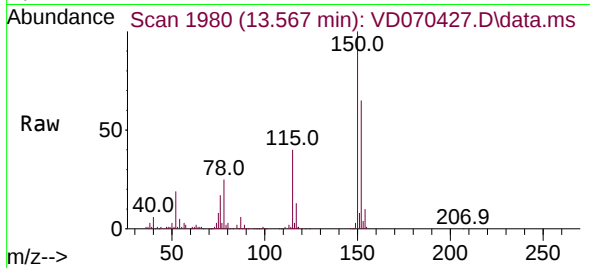




#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 13.567 min Scan# 1980
 Delta R.T. -0.000 min
 Lab File: VD070427.D
 Acq: 22 Sep 2021 15:26

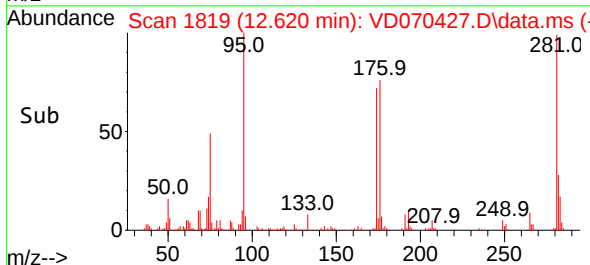
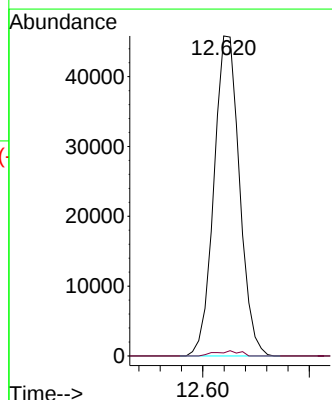
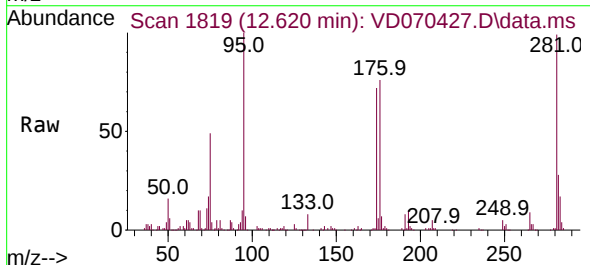
Instrument :
 MSVOA_D
 ClientSampleId :
 SB-3-(7.0-8.0)

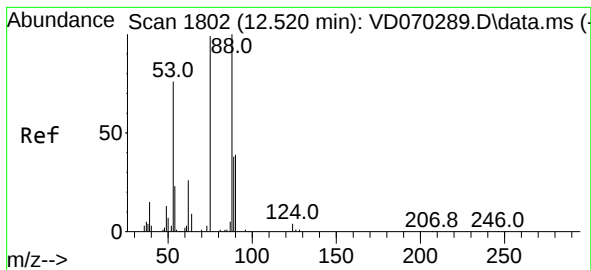
Tgt Ion:152 Resp: 154080
 Ion Ratio Lower Upper
 152 100
 115 62.2 32.1 96.3
 150 158.8 0.0 350.6



#76
 1,2,3-Trichloropropane
 Concen: 48.847 ug/l
 RT: 12.620 min Scan# 1819
 Delta R.T. -0.153 min
 Lab File: VD070427.D
 Acq: 22 Sep 2021 15:26

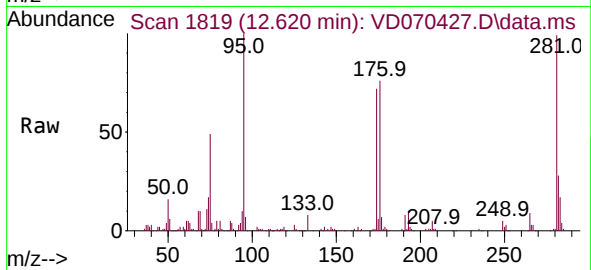
Tgt Ion: 75 Resp: 76130
 Ion Ratio Lower Upper
 75 100
 77 1.6 174.9 524.7#





#81
 trans-1,4-Dichloro-2-butene
 Concen: 122.391 ug/l
 RT: 12.620 min Scan# 1819
 Delta R.T. 0.100 min
 Lab File: VD070427.D
 Acq: 22 Sep 2021 15:26

Instrument :
 MSVOA_D
 ClientSampleId :
 SB-3-(7.0-8.0)



Tgt Ion	Ratio	Lower	Upper
75	100		
53	0.5	64.2	96.2#
89	1.3	35.6	53.4#

