

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD062121\
 Data File : VD069506.D
 Acq On : 21 Jun 2021 17:53
 Operator : VA/SY
 Sample : M2764-03RE
 Misc : 8.35G/5.00ml/MSVOA_D/SOIL
 ALS Vial : 19 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :

Quant Time: Jun 22 05:09:17 2021
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D062121S.M
 Quant Title : SW846 8260
 QLast Update : Tue Jun 22 04:33:24 2021
 Response via : Initial Calibration

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

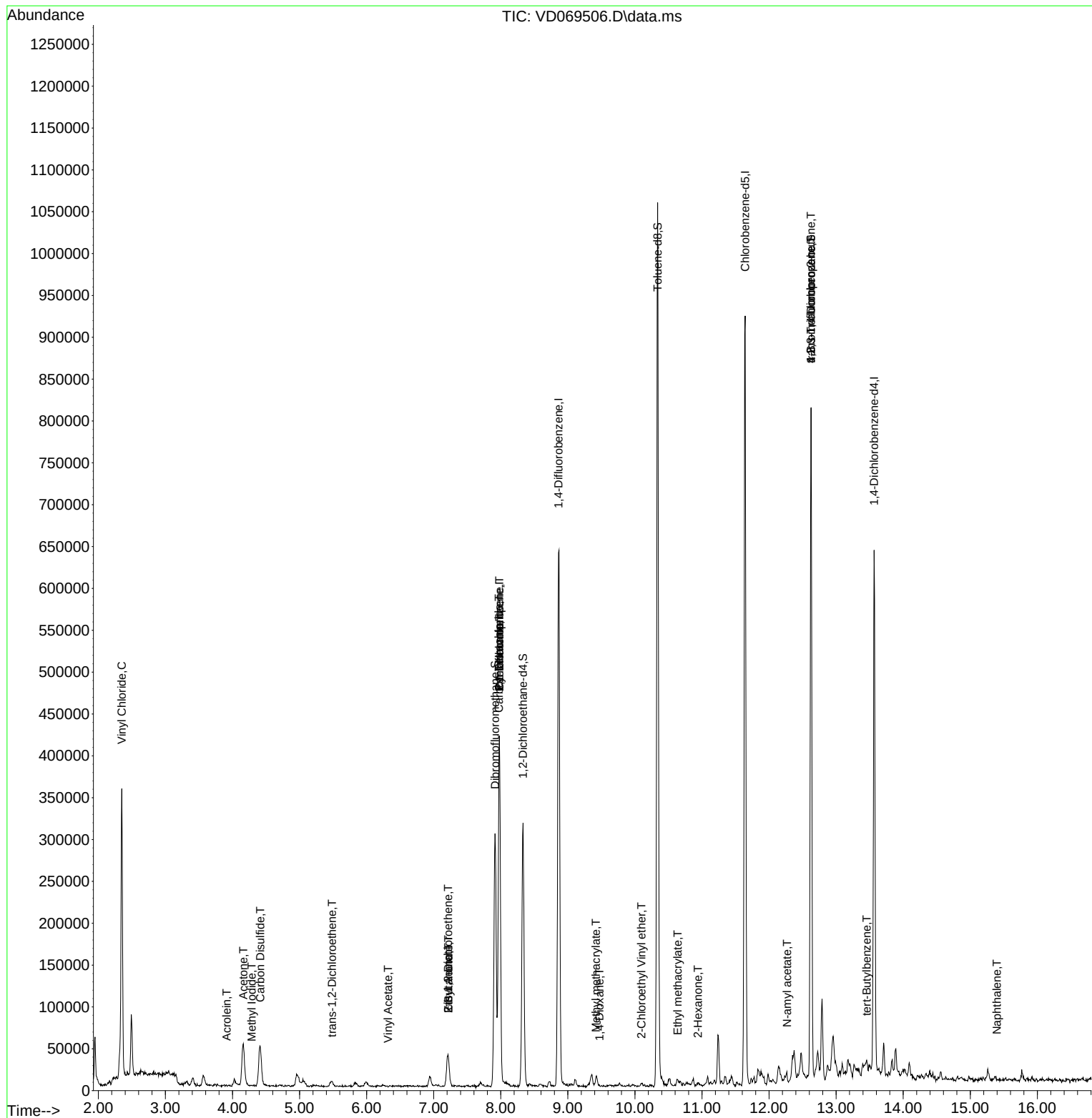
Internal Standards						
1) Pentafluorobenzene	7.979	168	286157	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.861	114	548539	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.643	117	524263	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.567	152	165596	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.332	65	248655	69.712	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	= 139.420%	
35) Dibromofluoromethane	7.914	113	217837	58.748	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	= 117.500%	
50) Toluene-d8	10.338	98	699118	50.265	ug/l	0.00
Spiked Amount	50.000	Range	49 - 140	Recovery	= 100.540%	
62) 4-Bromofluorobenzene	12.626	95	212079	46.381	ug/l	0.00
Spiked Amount	50.000	Range	25 - 144	Recovery	= 92.760%	
Target Compounds						
						Qvalue
4) Vinyl Chloride	2.350	62	304994	68.147	ug/l	97
5) Bromomethane	2.773	94	1674	Below Cal	#	28
10) Methyl Iodide	4.285	142	108	3.973	ug/l #	51
11) Tert butyl alcohol	5.220	59	1304	Below Cal	#	83
13) Acrolein	3.914	56	295	1.486	ug/l #	83
16) Acetone	4.161	43	85675	142.705	ug/l	89
17) Carbon Disulfide	4.414	76	104629	11.246	ug/l	98
18) Methyl Acetate	4.726	43	603	Below Cal	#	72
20) Methylene Chloride	4.956	84	10783	Below Cal		92
21) trans-1,2-Dichloroethene	5.485	96	4333	1.271	ug/l #	60
23) Vinyl Acetate	6.320	43	55	19.021	ug/l #	70
25) 2-Butanone	7.220	43	18923	24.804	ug/l	100
27) cis-1,2-Dichloroethene	7.214	96	15694	4.237	ug/l	90
31) Cyclohexane	7.979	56	10058	2.094	ug/l #	42
36) 1,1-Dichloropropene	7.979	75	26893	4.995	ug/l #	51
37) Ethyl Acetate	7.220	43	18923	9.472	ug/l #	1
38) Carbon Tetrachloride	7.973	117	31311	5.877	ug/l #	18
48) Methyl methacrylate	9.420	41	3916	2.271	ug/l #	34
49) 1,4-Dioxane	9.473	88	60	2.919	ug/l #	1
56) Ethyl methacrylate	10.638	69	1979	3.123	ug/l #	69
58) 2-Chloroethyl Vinyl ether	10.096	63	61	10.632	ug/l #	47
59) 2-Hexanone	10.938	43	1766	1.371	ug/l #	22
74) N-amyl acetate	12.267	43	3141	1.356	ug/l #	63
76) 1,2,3-Trichloropropane	12.626	75	111211	68.415	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.626	75	111211	170.823	ug/l #	13
83) tert-Butylbenzene	13.455	119	424	2.040	ug/l	82
95) Naphthalene	15.396	128	1216	3.574	ug/l #	76

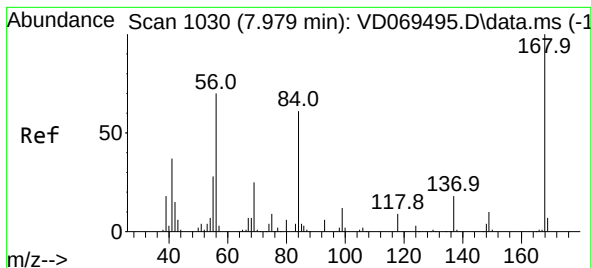
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Response via : Initial Calibration

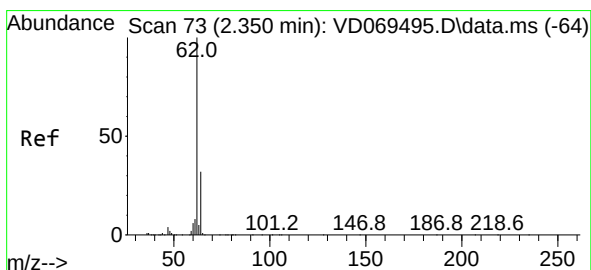
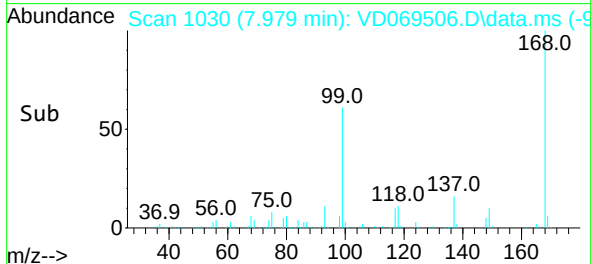
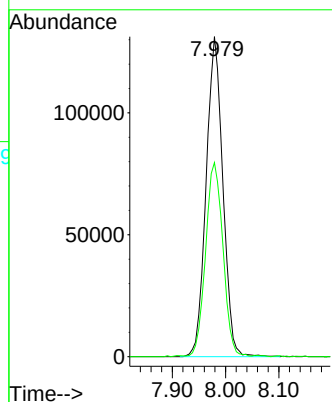
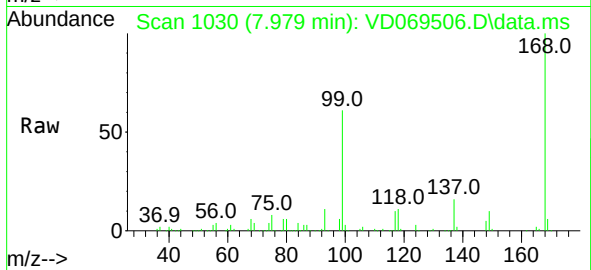




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.979 min Scan# 1030
Delta R.T. -0.000 min
Lab File: VD069506.D
Acq: 21 Jun 2021 17:53

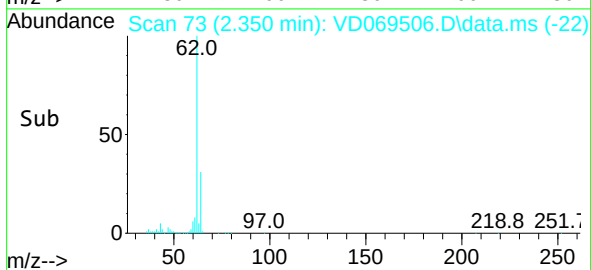
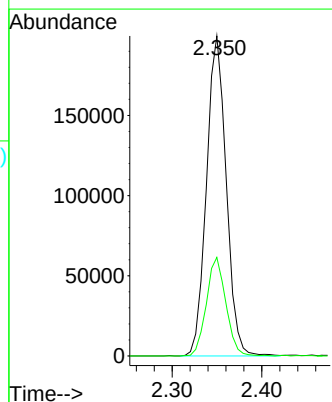
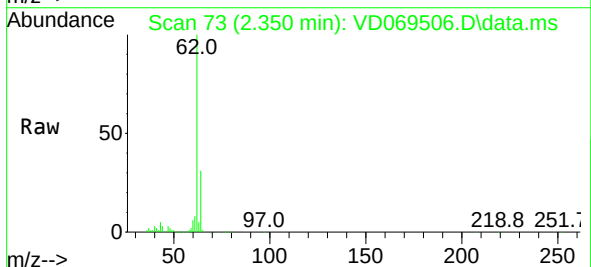
Instrument :
MSVOA_D
ClientSampleId :

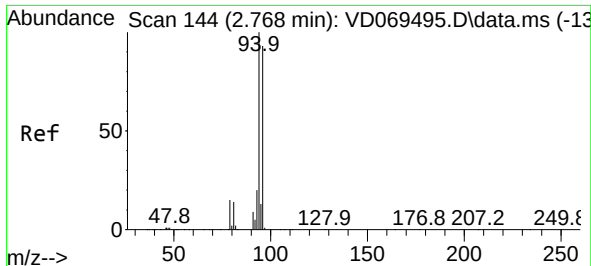
Tgt Ion:168 Resp: 286157
Ion Ratio Lower Upper
168 100
99 60.3 49.3 73.9



#4
Vinyl Chloride
Concen: 68.147 ug/l
RT: 2.350 min Scan# 73
Delta R.T. -0.000 min
Lab File: VD069506.D
Acq: 21 Jun 2021 17:53

Tgt Ion: 62 Resp: 304994
Ion Ratio Lower Upper
62 100
64 30.8 25.8 38.8

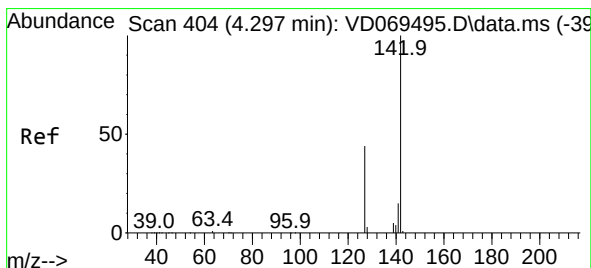
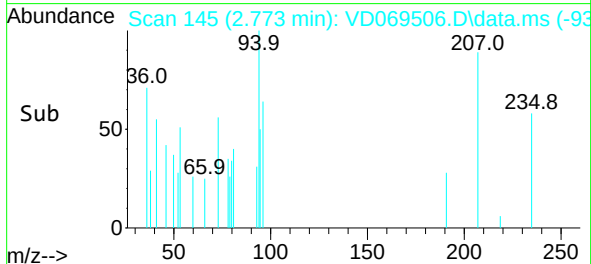
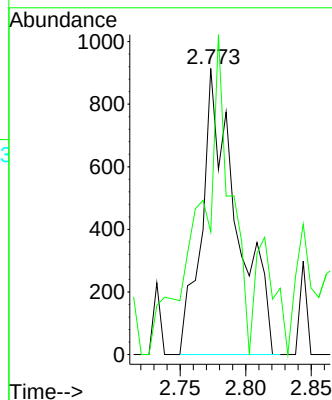
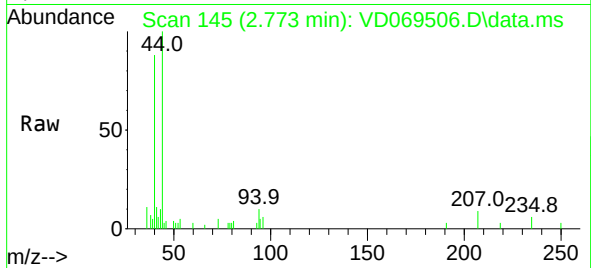




#5
Bromomethane
Concen: Below Cal
RT: 2.773 min Scan# 145
Delta R.T. 0.005 min
Lab File: VD069506.D
Acq: 21 Jun 2021 17:53

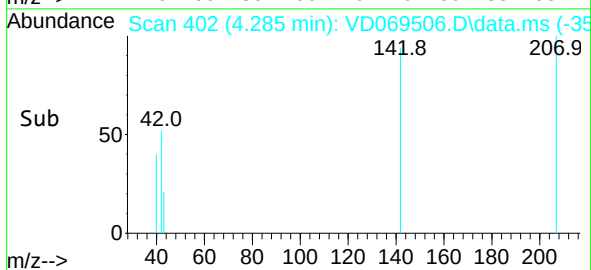
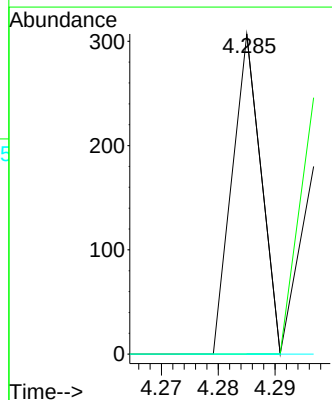
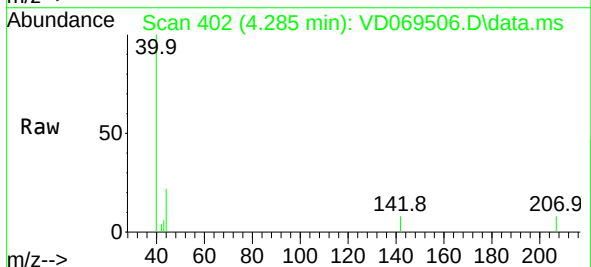
Instrument :
MSVOA_D
ClientSampled :

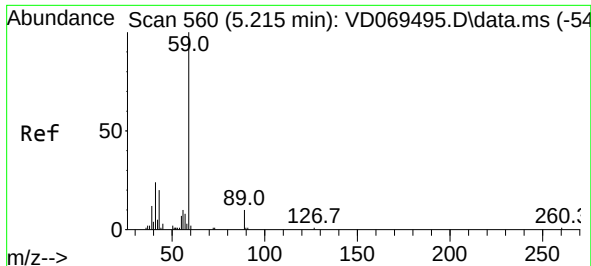
Tgt Ion: 94 Resp: 1674
Ion Ratio Lower Upper
94 100
96 24.1 74.6 111.8#



#10
Methyl Iodide
Concen: 3.973 ug/l
RT: 4.285 min Scan# 402
Delta R.T. -0.012 min
Lab File: VD069506.D
Acq: 21 Jun 2021 17:53

Tgt Ion:142 Resp: 108
Ion Ratio Lower Upper
142 100
127 80.6 36.5 54.7#
141 0.0 12.0 18.0#

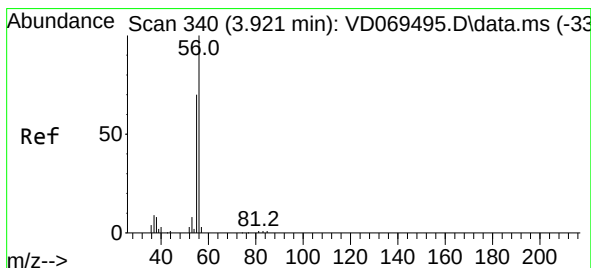
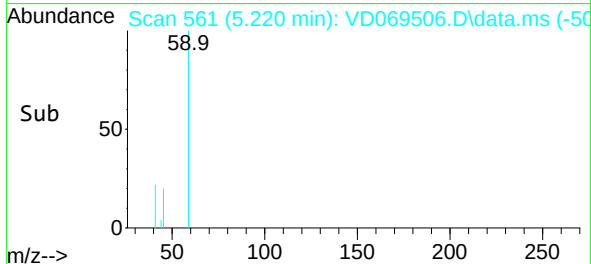
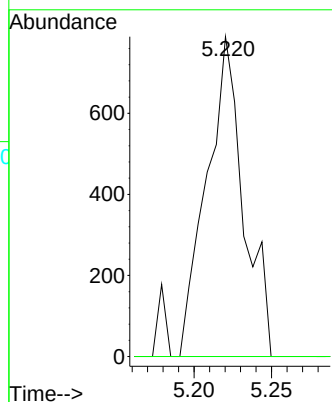
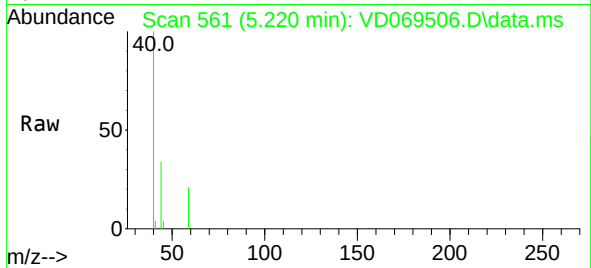




#11
Tert butyl alcohol
Concen: Below Cal
RT: 5.220 min Scan# 561
Delta R.T. 0.005 min
Lab File: VD069506.D
Acq: 21 Jun 2021 17:53

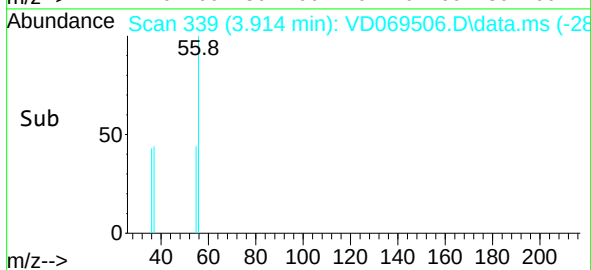
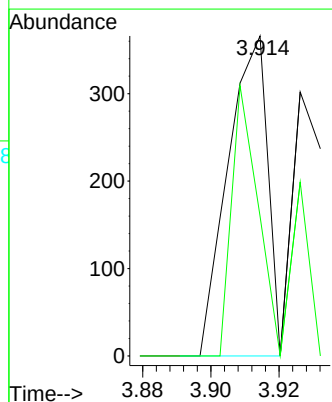
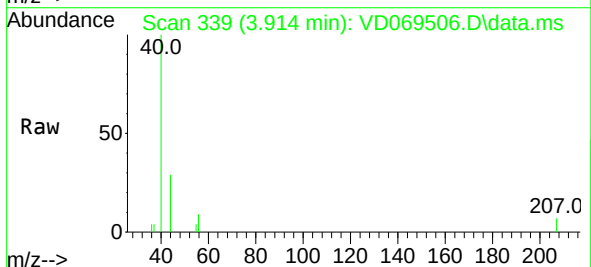
Instrument :
MSVOA_D
ClientSampled :

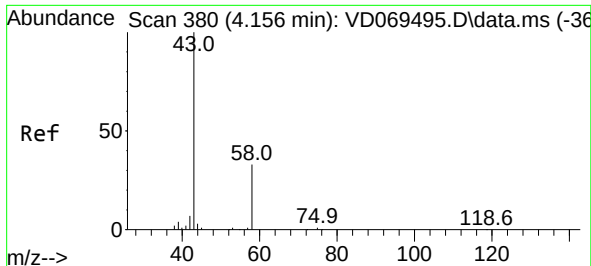
Tgt Ion: 59 Resp: 1304
Ion Ratio Lower Upper
59 100
57 0.0 4.6 7.0#



#13
Acrolein
Concen: 1.486 ug/l
RT: 3.914 min Scan# 339
Delta R.T. -0.006 min
Lab File: VD069506.D
Acq: 21 Jun 2021 17:53

Tgt Ion: 56 Resp: 295
Ion Ratio Lower Upper
56 100
55 55.9 56.0 84.0#

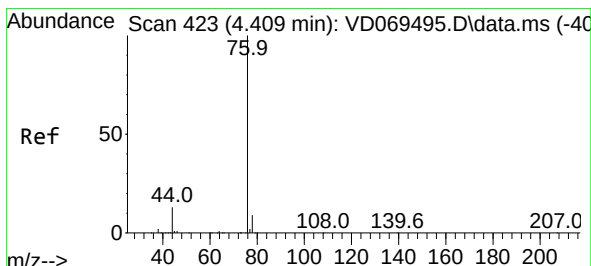
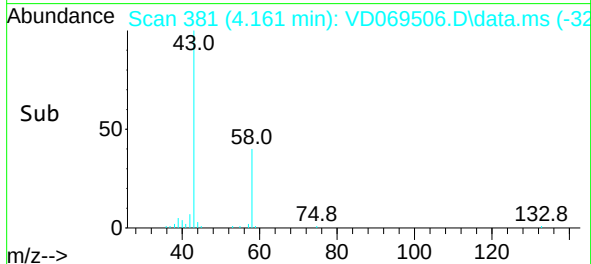
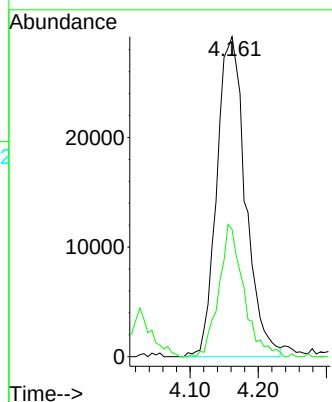
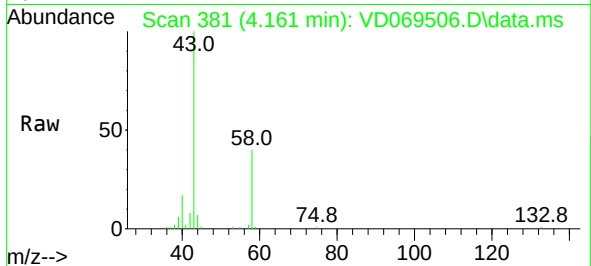




#16
Acetone
Concen: 142.705 ug/l
RT: 4.161 min Scan# 381
Delta R.T. 0.006 min
Lab File: VD069506.D
Acq: 21 Jun 2021 17:53

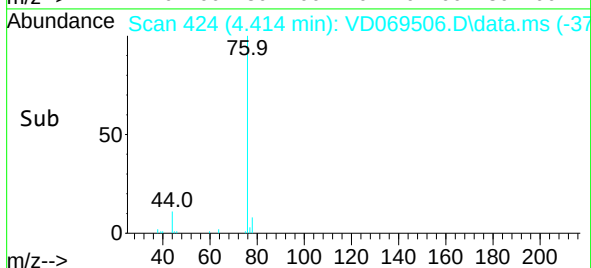
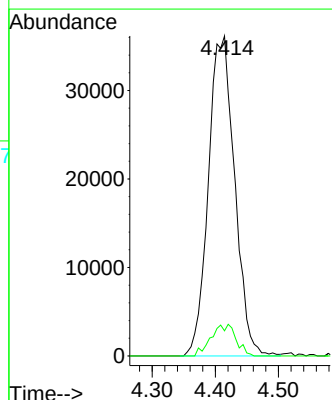
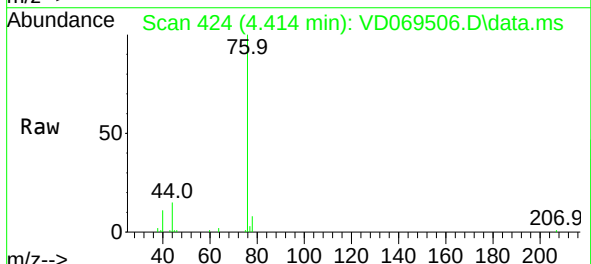
Instrument :
MSVOA_D
ClientSampled :

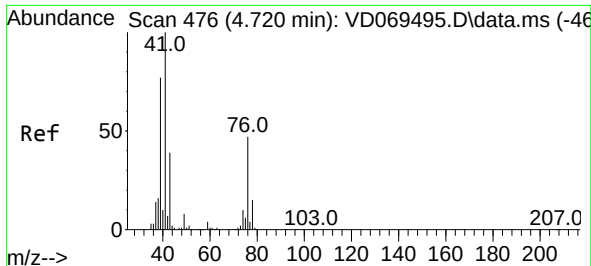
Tgt Ion: 43 Resp: 85675
Ion Ratio Lower Upper
43 100
58 39.8 26.8 40.2



#17
Carbon Disulfide
Concen: 11.246 ug/l
RT: 4.414 min Scan# 424
Delta R.T. 0.006 min
Lab File: VD069506.D
Acq: 21 Jun 2021 17:53

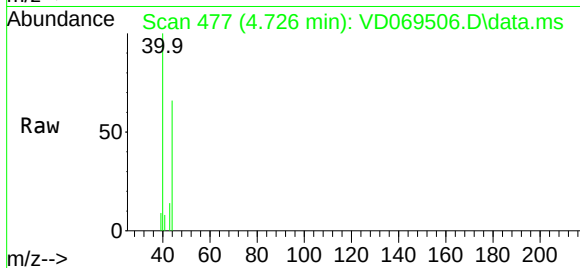
Tgt Ion: 76 Resp: 104629
Ion Ratio Lower Upper
76 100
78 7.8 7.0 10.4



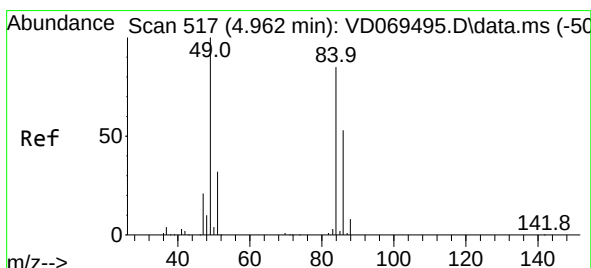
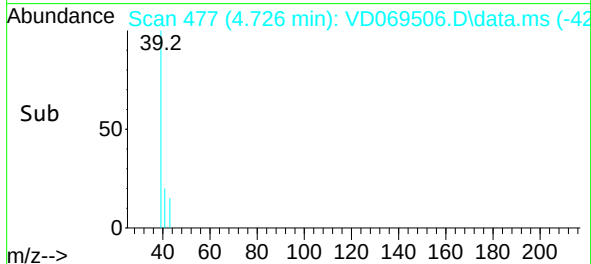
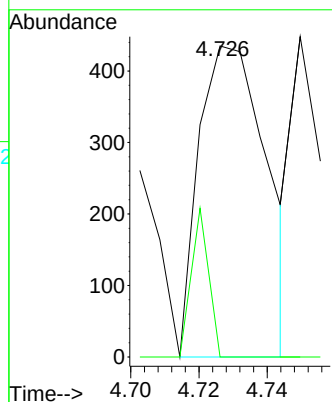


#18
Methyl Acetate
Concen: Below Cal
RT: 4.726 min Scan# 477
Delta R.T. 0.006 min
Lab File: VD069506.D
Acq: 21 Jun 2021 17:53

Instrument :
MSVOA_D
ClientSampled :

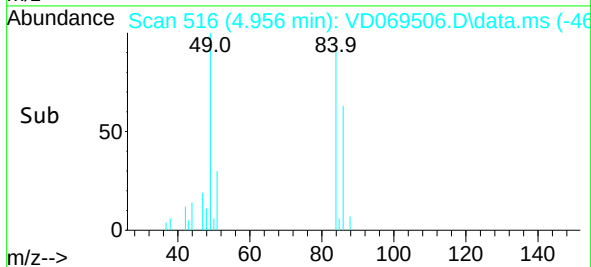
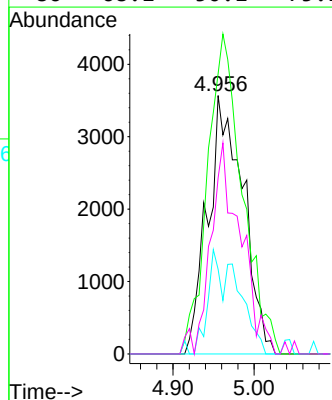
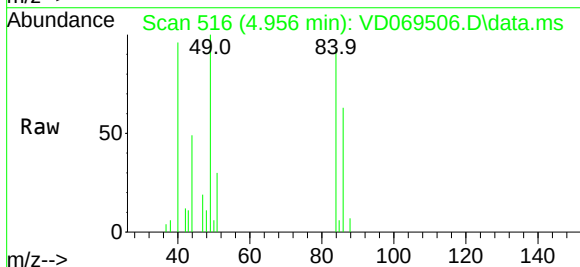


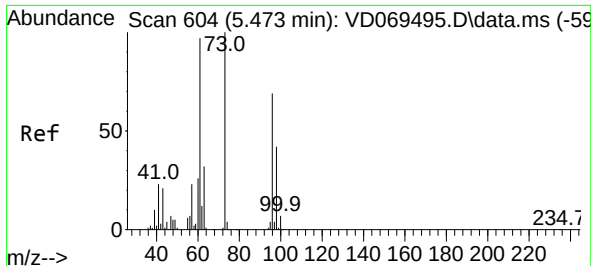
Tgt Ion: 43 Resp: 603
Ion Ratio Lower Upper
43 100
74 12.1 21.0 31.4#



#20
Methylene Chloride
Concen: Below Cal
RT: 4.956 min Scan# 516
Delta R.T. -0.006 min
Lab File: VD069506.D
Acq: 21 Jun 2021 17:53

Tgt Ion: 84 Resp: 10783
Ion Ratio Lower Upper
84 100
49 108.5 94.0 141.0
51 32.7 29.7 44.5
86 68.1 50.1 75.1

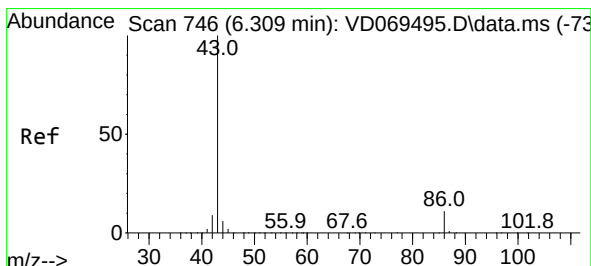
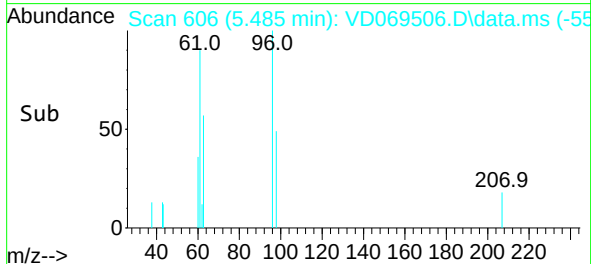
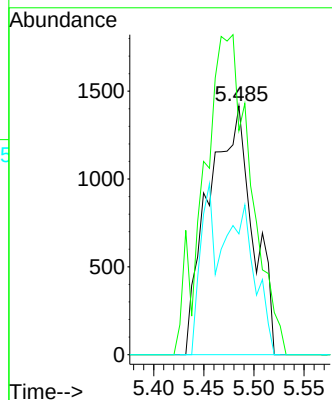
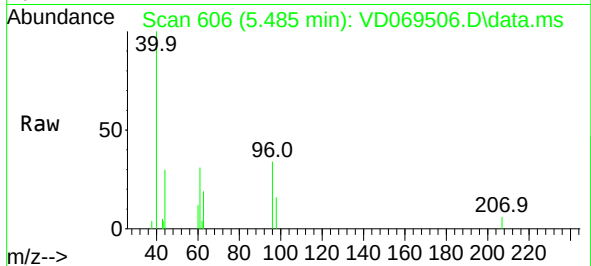




#21
trans-1,2-Dichloroethene
Concen: 1.271 ug/l
RT: 5.485 min Scan# 606
Delta R.T. 0.012 min
Lab File: VD069506.D
Acq: 21 Jun 2021 17:53

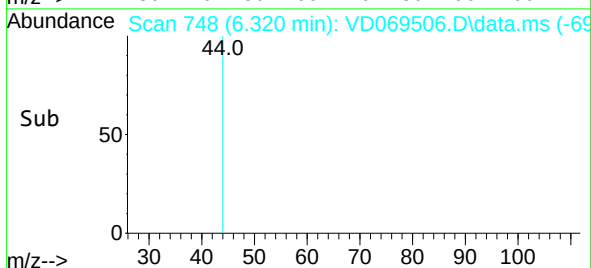
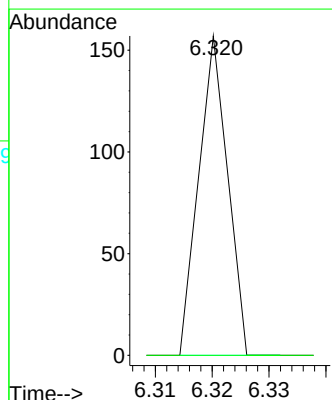
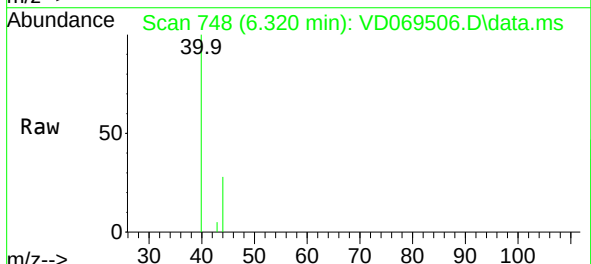
Instrument :
MSVOA_D
ClientSampled :

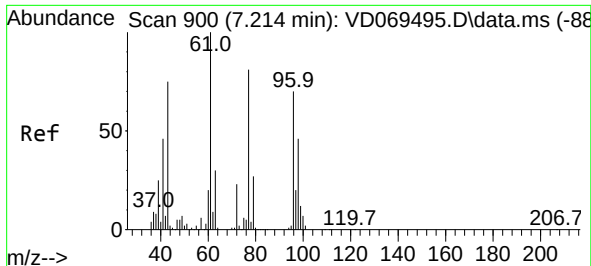
Tgt Ion: 96 Resp: 4333
Ion Ratio Lower Upper
96 100
61 78.5 111.8 167.6#
98 48.6 48.5 72.7



#23
Vinyl Acetate
Concen: 19.021 ug/l
RT: 6.320 min Scan# 748
Delta R.T. 0.011 min
Lab File: VD069506.D
Acq: 21 Jun 2021 17:53

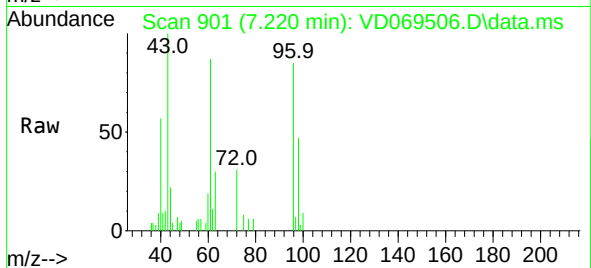
Tgt Ion: 43 Resp: 55
Ion Ratio Lower Upper
43 100
86 0.0 9.1 13.7#



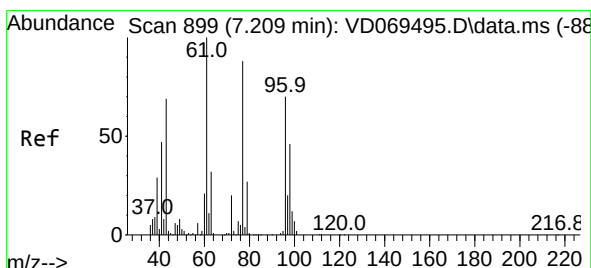
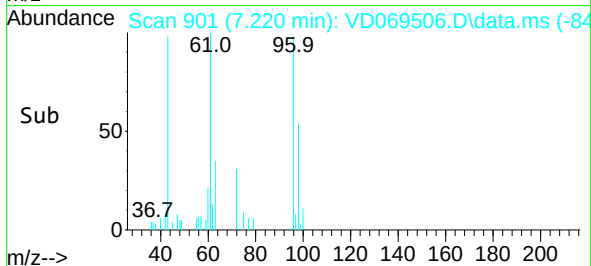
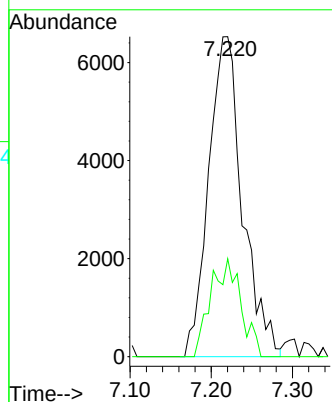


#25
2-Butanone
Concen: 24.804 ug/l
RT: 7.220 min Scan# 901
Delta R.T. 0.006 min
Lab File: VD069506.D
Acq: 21 Jun 2021 17:53

Instrument :
MSVOA_D
ClientSampled :

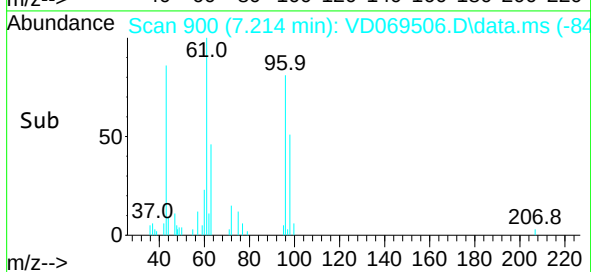
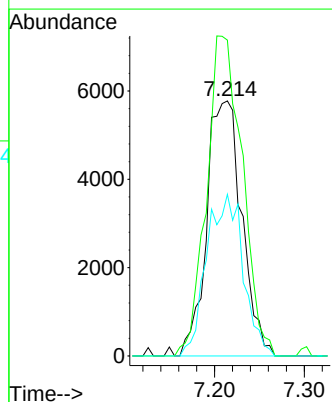
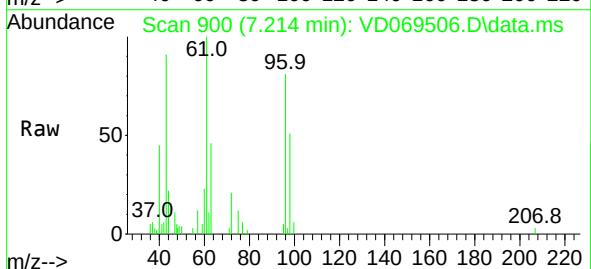


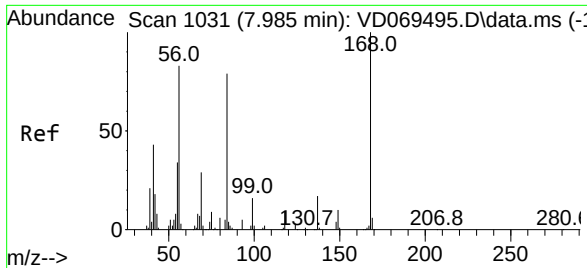
Tgt Ion: 43 Resp: 18923
Ion Ratio Lower Upper
43 100
72 30.6 24.3 36.5



#27
cis-1,2-Dichloroethene
Concen: 4.237 ug/l
RT: 7.214 min Scan# 900
Delta R.T. 0.006 min
Lab File: VD069506.D
Acq: 21 Jun 2021 17:53

Tgt Ion: 96 Resp: 15694
Ion Ratio Lower Upper
96 100
61 127.8 0.0 290.8
98 65.9 0.0 131.8

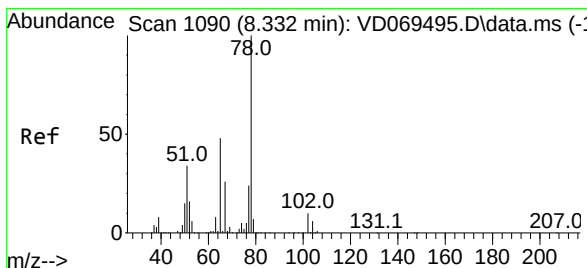
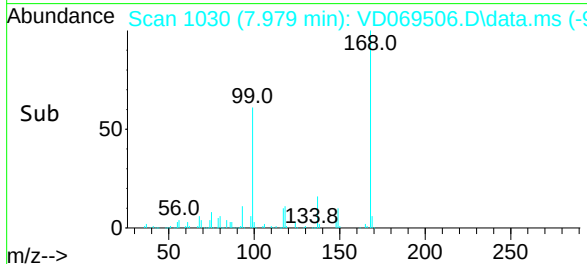
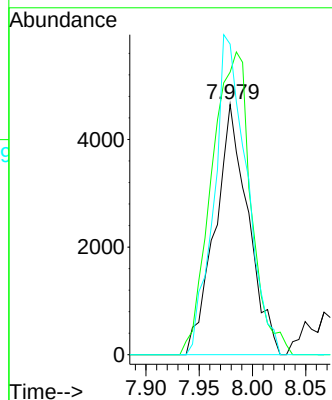
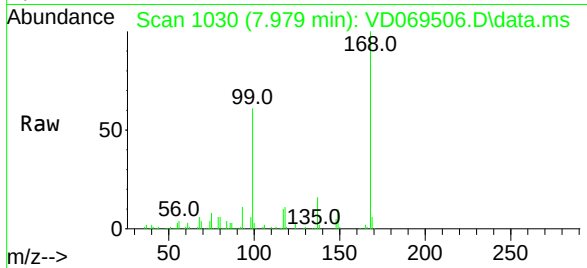




#31
Cyclohexane
Concen: 2.094 ug/l
RT: 7.979 min Scan# 1030
Delta R.T. -0.006 min
Lab File: VD069506.D
Acq: 21 Jun 2021 17:53

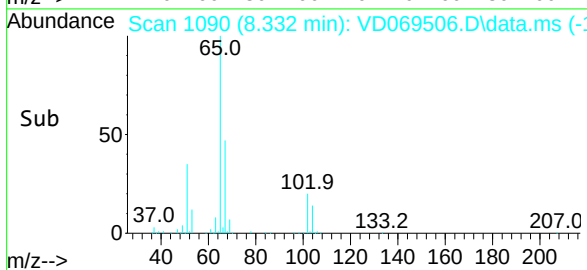
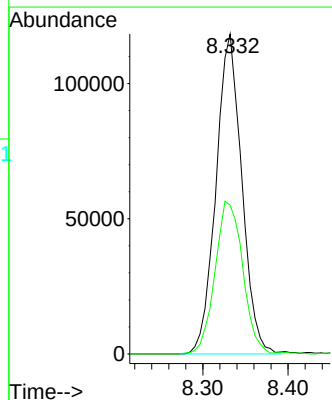
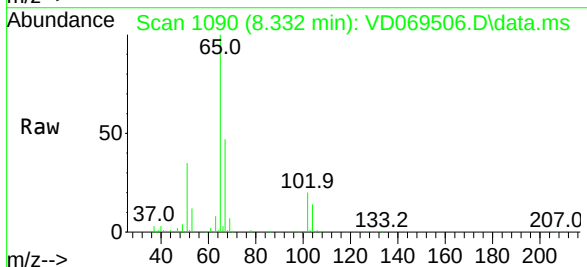
Instrument :
MSVOA_D
ClientSampleId :

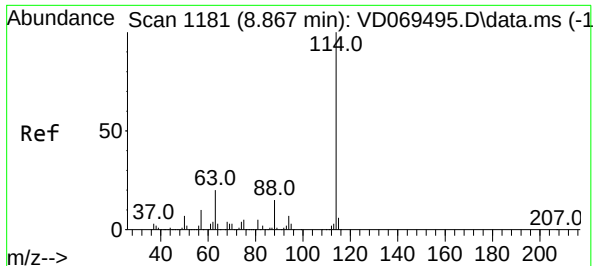
Tgt Ion: 56 Resp: 10058
Ion Ratio Lower Upper
56 100
69 112.9 28.0 42.0#
84 124.1 75.7 113.5#



#33
1,2-Dichloroethane-d4
Concen: 69.712 ug/l
RT: 8.332 min Scan# 1090
Delta R.T. -0.000 min
Lab File: VD069506.D
Acq: 21 Jun 2021 17:53

Tgt Ion: 65 Resp: 248655
Ion Ratio Lower Upper
65 100
67 51.2 0.0 105.6

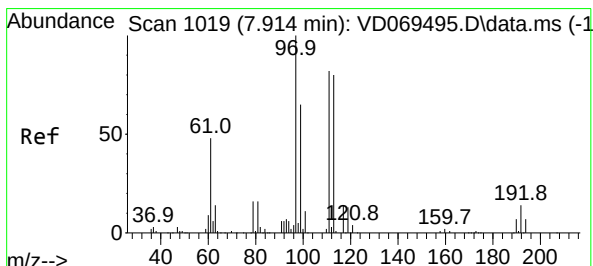
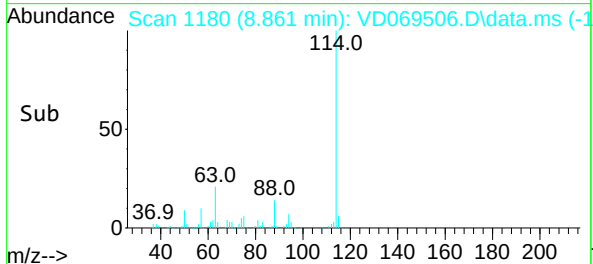
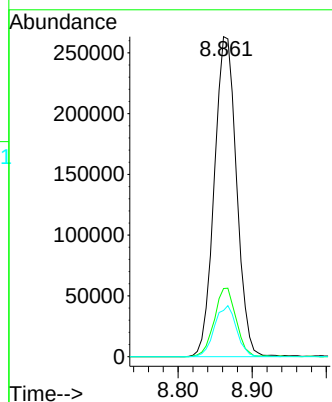
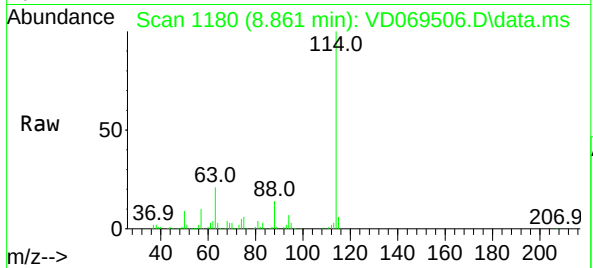




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.861 min Scan# 1180
Delta R.T. -0.006 min
Lab File: VD069506.D
Acq: 21 Jun 2021 17:53

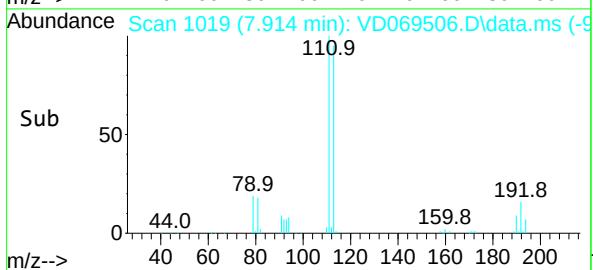
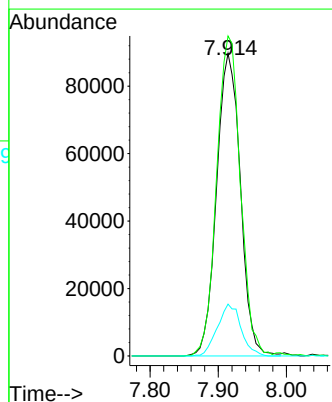
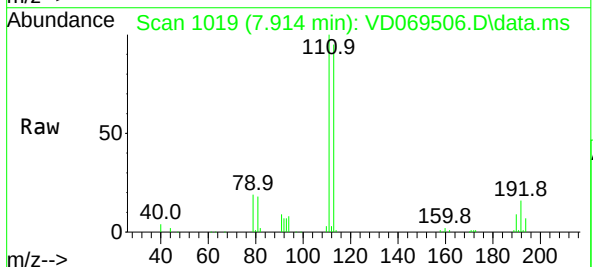
Instrument :
MSVOA_D
ClientSampled :

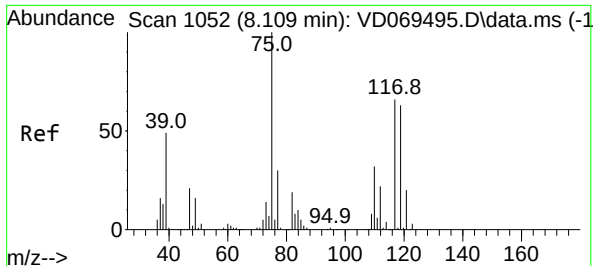
Tgt Ion:114 Resp: 548539
Ion Ratio Lower Upper
114 100
63 21.3 0.0 39.6
88 14.5 0.0 29.8



#35
Dibromofluoromethane
Concen: 58.748 ug/l
RT: 7.914 min Scan# 1019
Delta R.T. -0.000 min
Lab File: VD069506.D
Acq: 21 Jun 2021 17:53

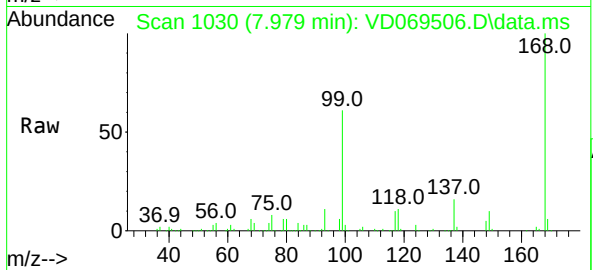
Tgt Ion:113 Resp: 217837
Ion Ratio Lower Upper
113 100
111 105.5 81.8 122.8
192 17.0 13.8 20.6



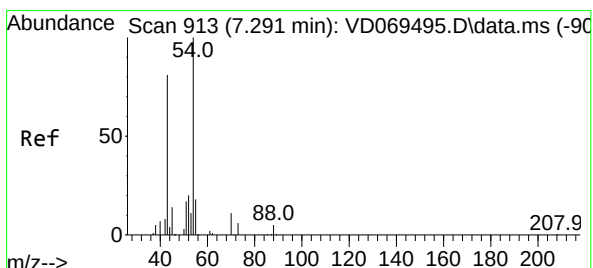
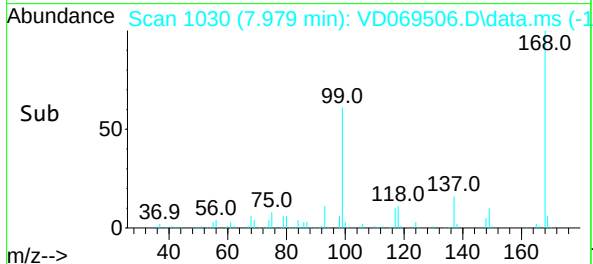
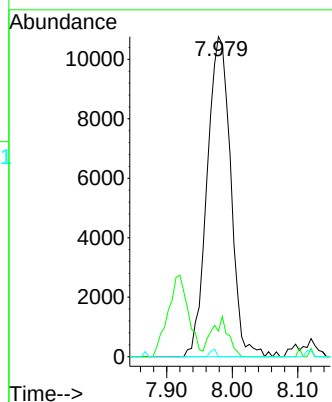


#36
1,1-Dichloropropene
Concen: 4.995 ug/l
RT: 7.979 min Scan# 1030
Delta R.T. -0.130 min
Lab File: VD069506.D
Acq: 21 Jun 2021 17:53

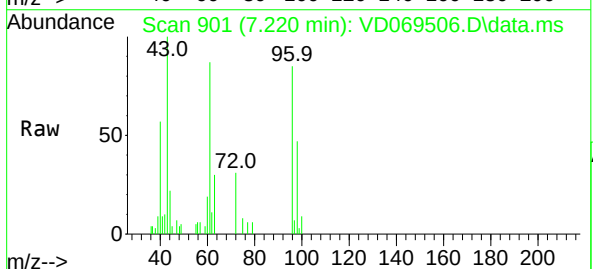
Instrument :
MSVOA_D
ClientSampled :



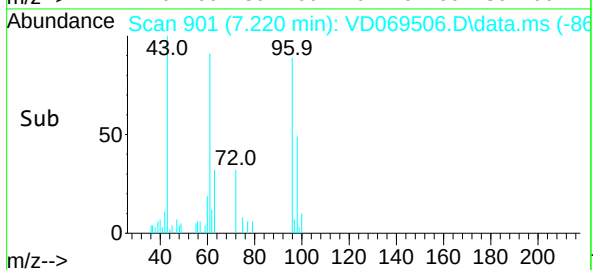
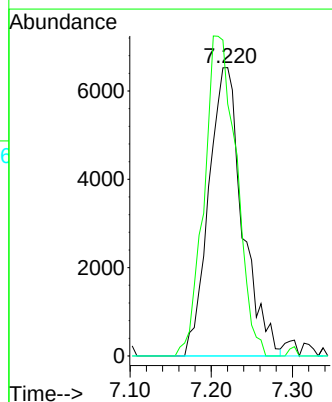
Tgt Ion: 75 Resp: 26893
Ion Ratio Lower Upper
75 100
110 8.7 16.8 50.4#
77 0.6 24.3 36.5#

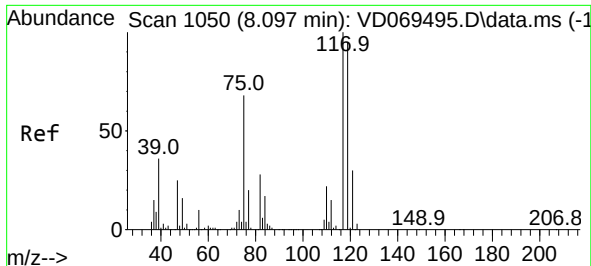


#37
Ethyl Acetate
Concen: 9.472 ug/l
RT: 7.220 min Scan# 901
Delta R.T. -0.071 min
Lab File: VD069506.D
Acq: 21 Jun 2021 17:53



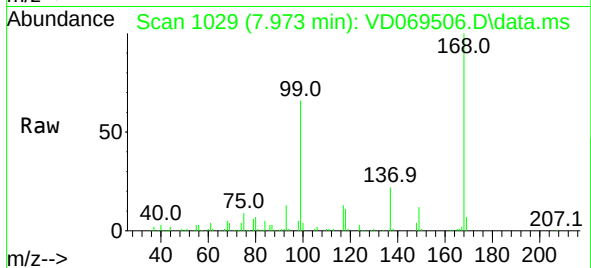
Tgt Ion: 43 Resp: 18923
Ion Ratio Lower Upper
43 100
61 106.0 11.4 17.0#
70 0.0 9.5 14.3#



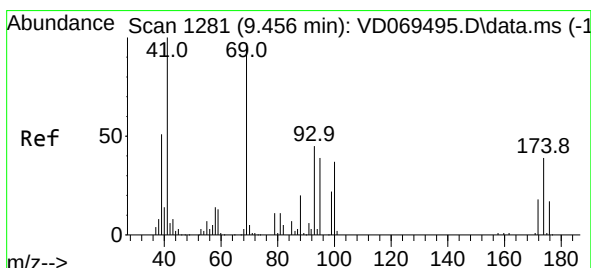
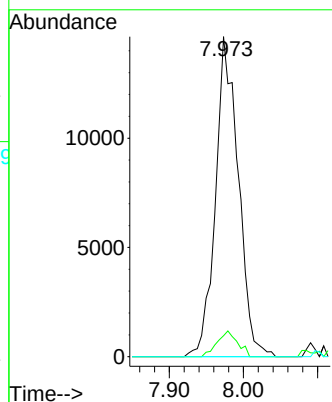
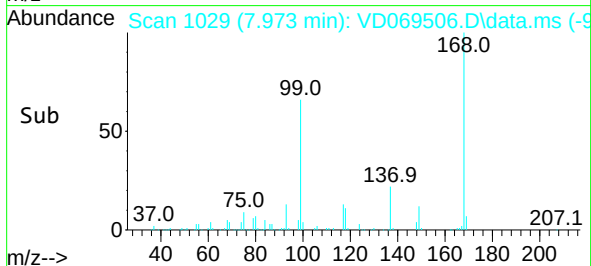


#38
Carbon Tetrachloride
Concen: 5.877 ug/l
RT: 7.973 min Scan# 1029
Delta R.T. -0.124 min
Lab File: VD069506.D
Acq: 21 Jun 2021 17:53

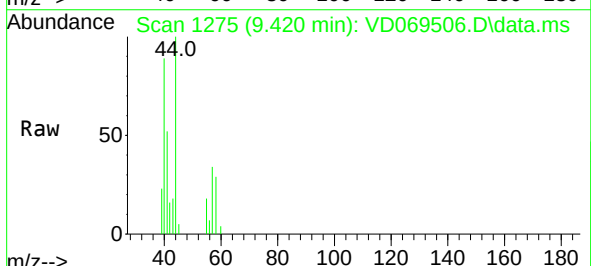
Instrument :
MSVOA_D
ClientSampled :



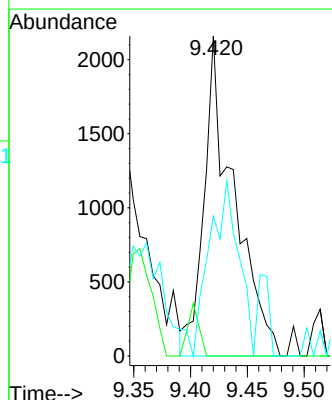
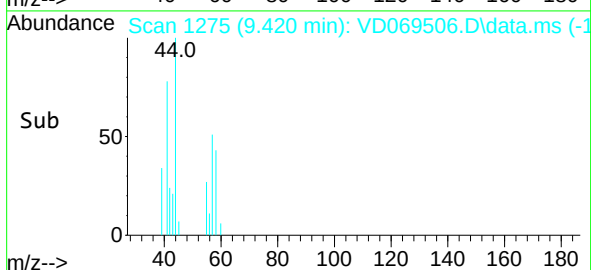
Tgt Ion:117 Resp: 31311
Ion Ratio Lower Upper
117 100
119 6.5 75.6 113.4#
121 0.0 23.8 35.8#

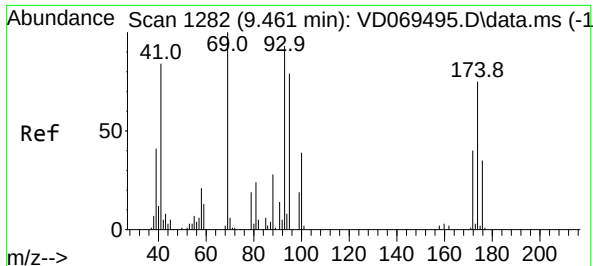


#48
Methyl methacrylate
Concen: 2.271 ug/l
RT: 9.420 min Scan# 1275
Delta R.T. -0.035 min
Lab File: VD069506.D
Acq: 21 Jun 2021 17:53



Tgt Ion: 41 Resp: 3916
Ion Ratio Lower Upper
41 100
69 0.0 80.9 121.3#
39 53.3 45.8 68.6

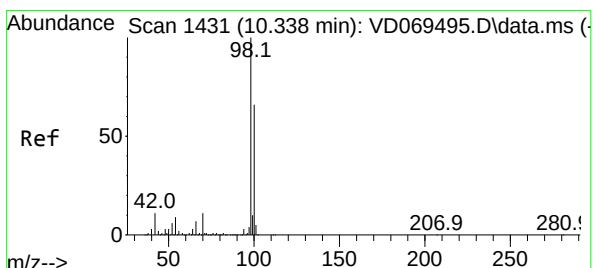
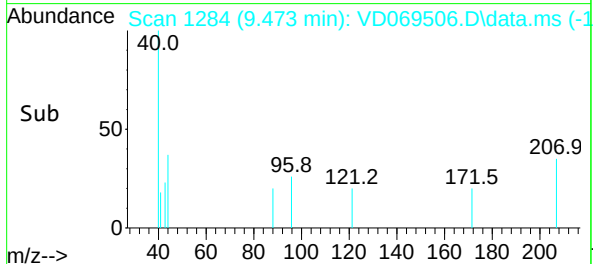
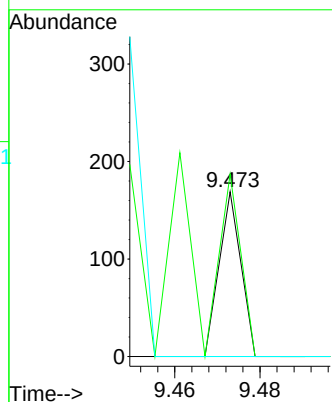
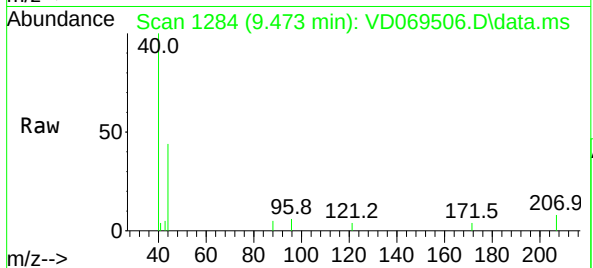




#49
1,4-Dioxane
Concen: 2.919 ug/l
RT: 9.473 min Scan# 1284
Delta R.T. 0.012 min
Lab File: VD069506.D
Acq: 21 Jun 2021 17:53

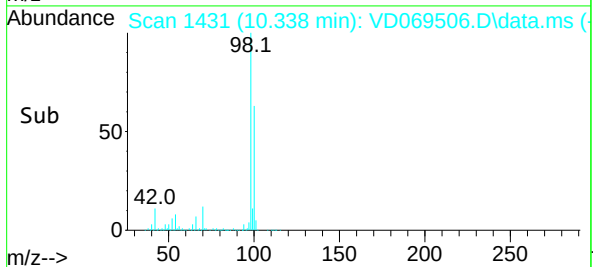
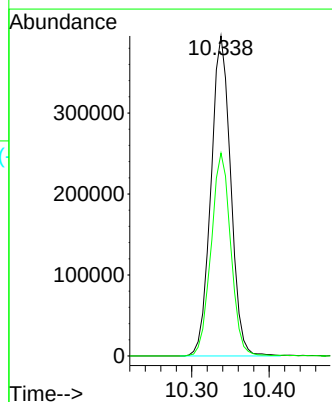
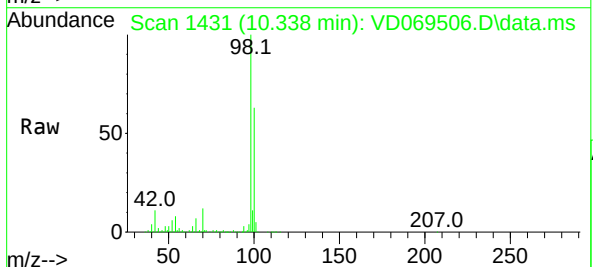
Instrument :
MSVOA_D
ClientSampleId :

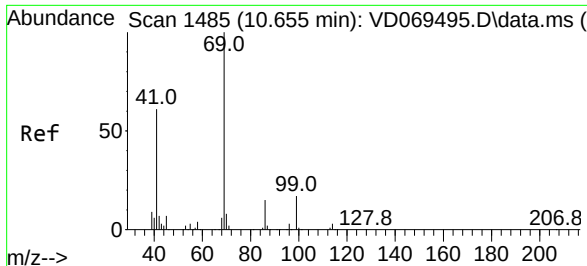
Tgt Ion: 88 Resp: 60
Ion Ratio Lower Upper
88 100
43 233.3 26.5 39.7#
58 0.0 56.0 84.0#



#50
Toluene-d8
Concen: 50.265 ug/l
RT: 10.338 min Scan# 1431
Delta R.T. -0.000 min
Lab File: VD069506.D
Acq: 21 Jun 2021 17:53

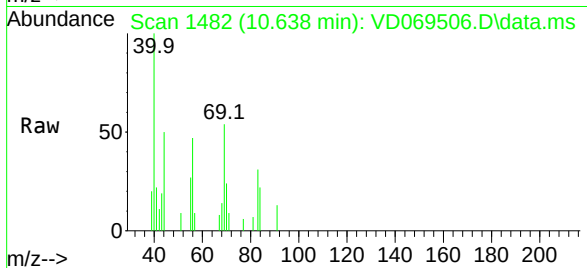
Tgt Ion: 98 Resp: 699118
Ion Ratio Lower Upper
98 100
100 63.2 52.3 78.5



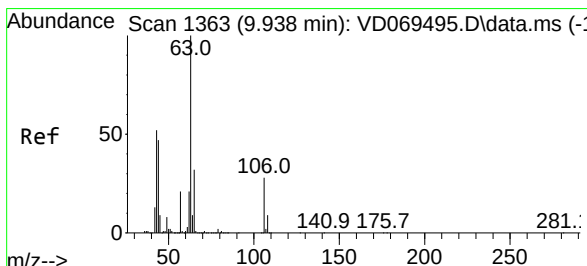
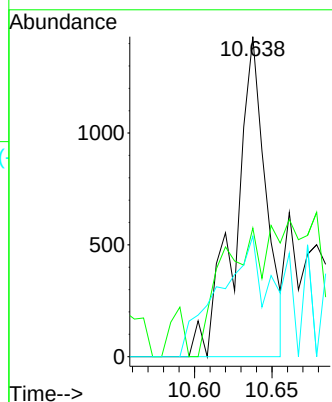
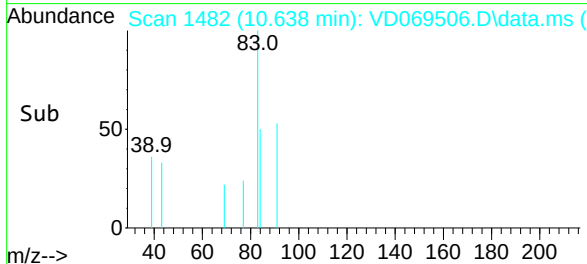


#56
Ethyl methacrylate
Concen: 3.123 ug/l
RT: 10.638 min Scan# 1482
Delta R.T. -0.017 min
Lab File: VD069506.D
Acq: 21 Jun 2021 17:53

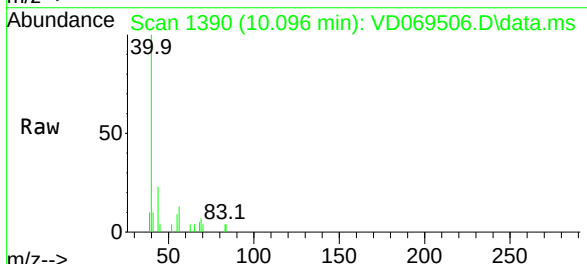
Instrument :
MSVOA_D
ClientSampleId :



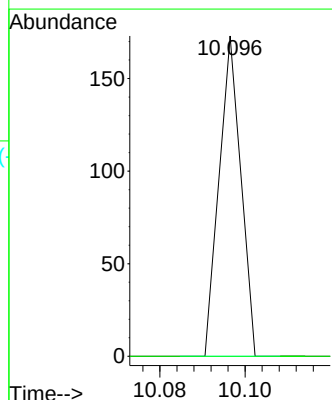
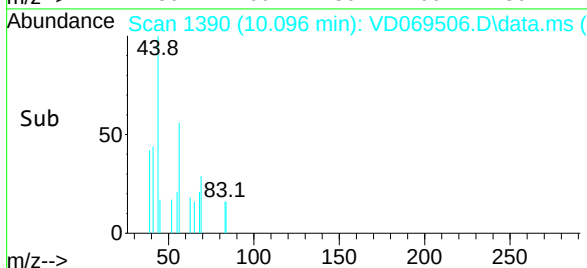
Tgt Ion: 69 Resp: 1979
Ion Ratio Lower Upper
69 100
41 50.7 49.4 74.0
39 68.5 26.9 40.3#

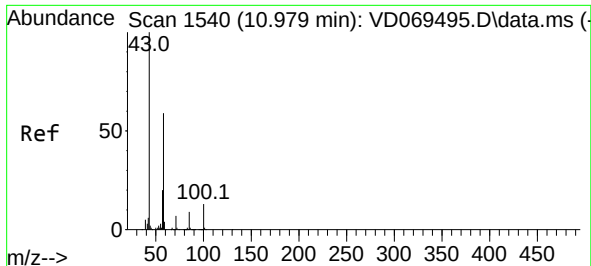


#58
2-Chloroethyl Vinyl ether
Concen: 10.632 ug/l
RT: 10.096 min Scan# 1390
Delta R.T. 0.158 min
Lab File: VD069506.D
Acq: 21 Jun 2021 17:53



Tgt Ion: 63 Resp: 61
Ion Ratio Lower Upper
63 100
106 0.0 22.2 33.2#

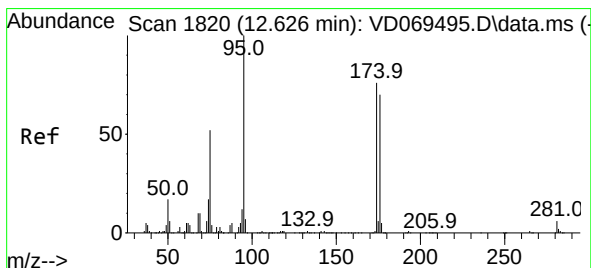
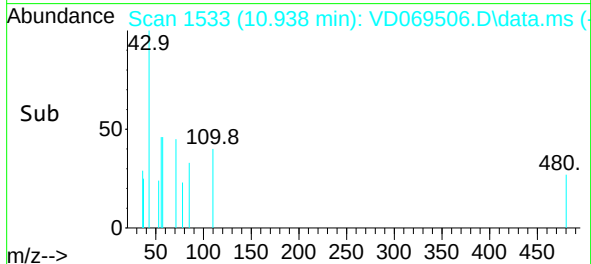
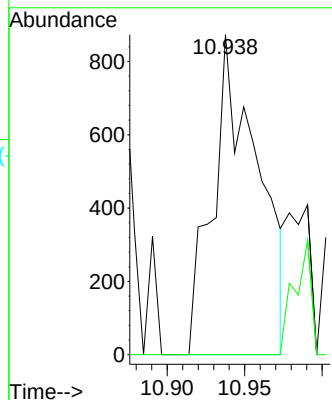
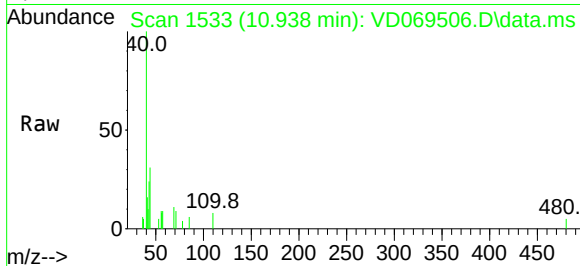




#59
2-Hexanone
Concen: 1.371 ug/l
RT: 10.938 min Scan# 1533
Delta R.T. -0.041 min
Lab File: VD069506.D
Acq: 21 Jun 2021 17:53

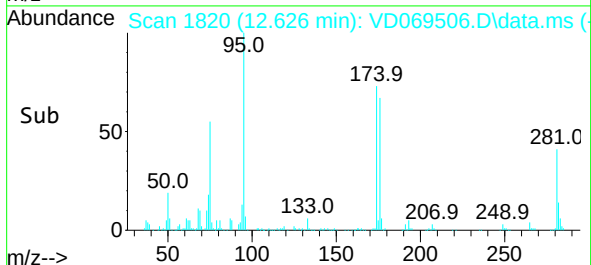
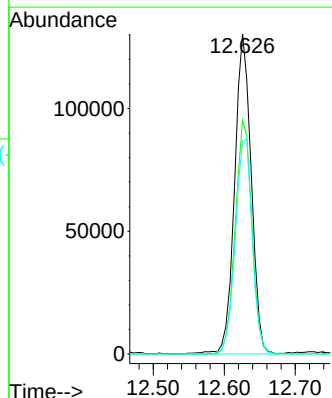
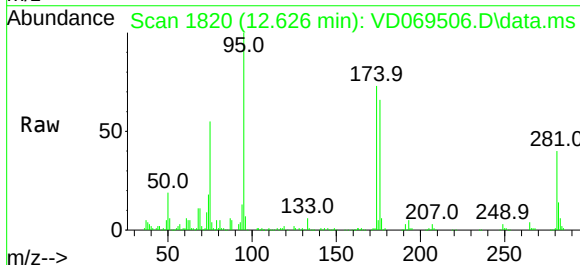
Instrument :
MSVOA_D
ClientSampled :

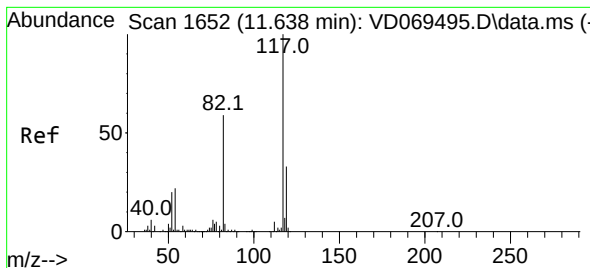
Tgt Ion: 43 Resp: 1766
Ion Ratio Lower Upper
43 100
58 0.0 28.7 86.3#



#62
4-Bromofluorobenzene
Concen: 46.381 ug/l
RT: 12.626 min Scan# 1820
Delta R.T. -0.000 min
Lab File: VD069506.D
Acq: 21 Jun 2021 17:53

Tgt Ion: 95 Resp: 212079
Ion Ratio Lower Upper
95 100
174 73.3 0.0 148.0
176 68.9 0.0 139.8

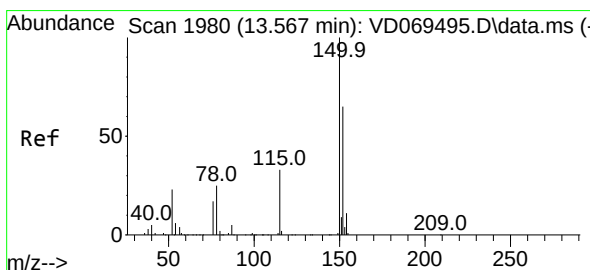
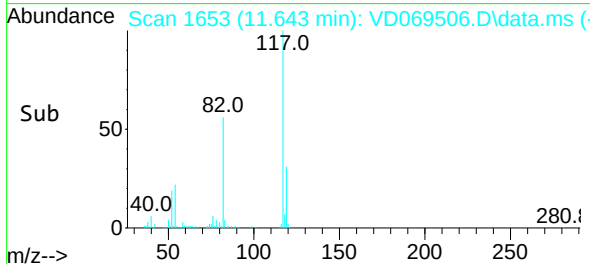
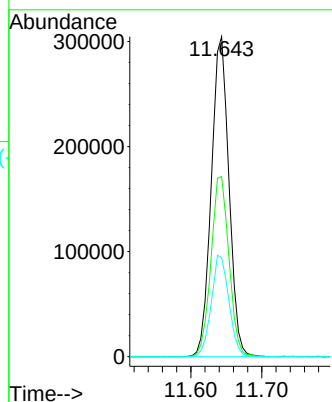
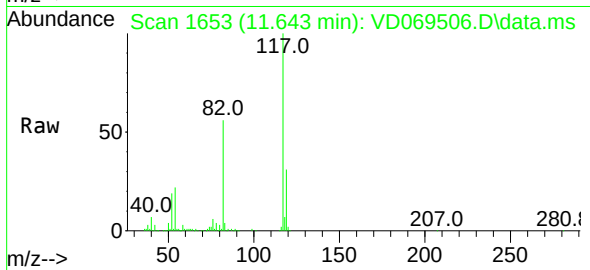




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.643 min Scan# 1653
Delta R.T. 0.006 min
Lab File: VD069506.D
Acq: 21 Jun 2021 17:53

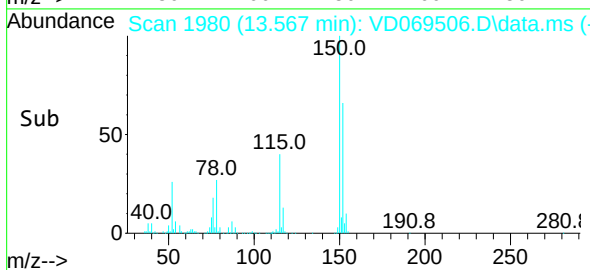
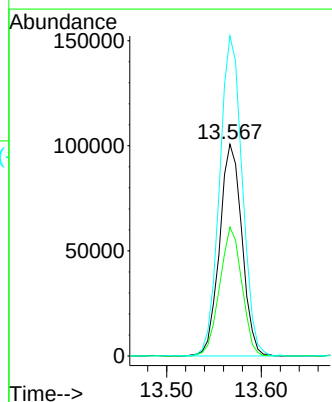
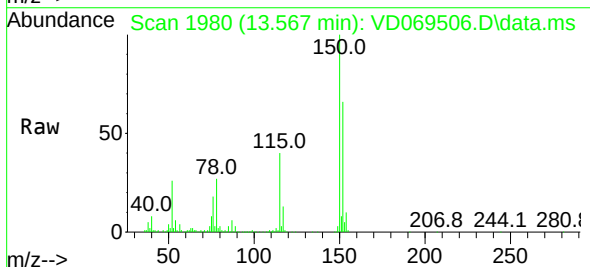
Instrument :
MSVOA_D
ClientSampleId :

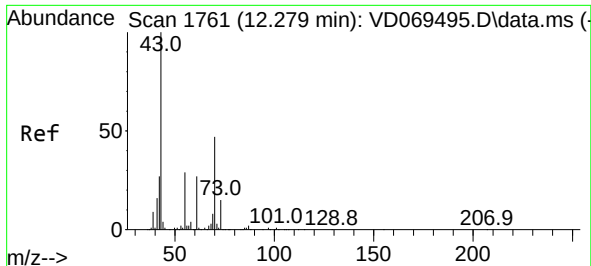
Tgt Ion:117 Resp: 524263
Ion Ratio Lower Upper
117 100
82 56.2 46.8 70.2
119 31.0 26.2 39.2



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.567 min Scan# 1980
Delta R.T. -0.000 min
Lab File: VD069506.D
Acq: 21 Jun 2021 17:53

Tgt Ion:152 Resp: 165596
Ion Ratio Lower Upper
152 100
115 60.2 31.7 95.1
150 152.8 0.0 350.8

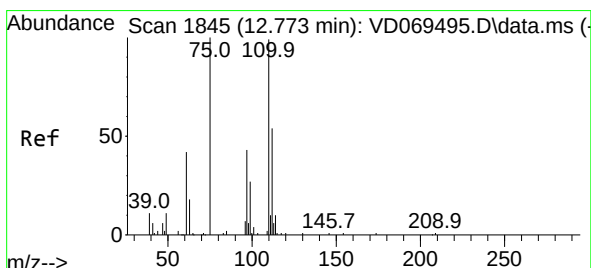
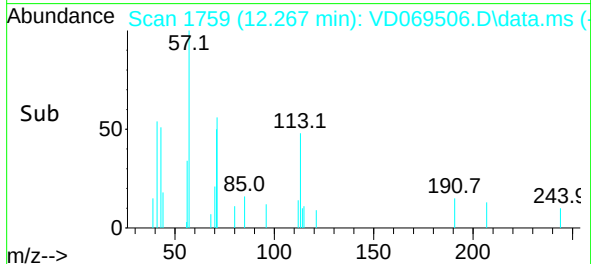
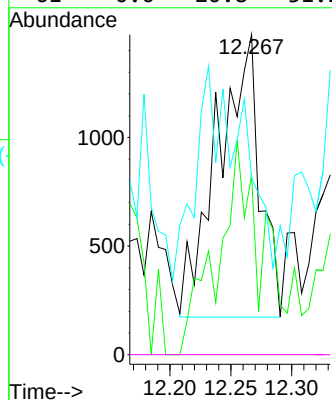
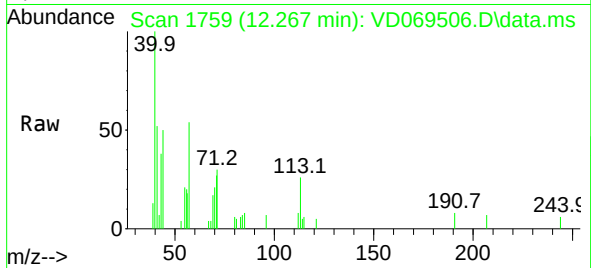




#74
N-amy1 acetate
Concen: 1.356 ug/l
RT: 12.267 min Scan# 1759
Delta R.T. -0.012 min
Lab File: VD069506.D
Acq: 21 Jun 2021 17:53

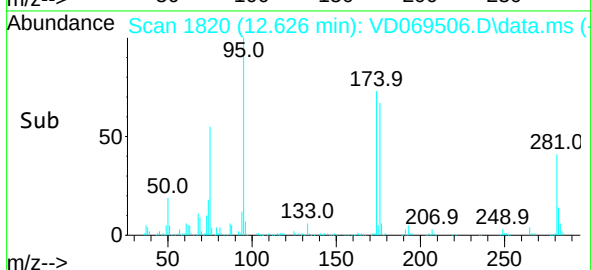
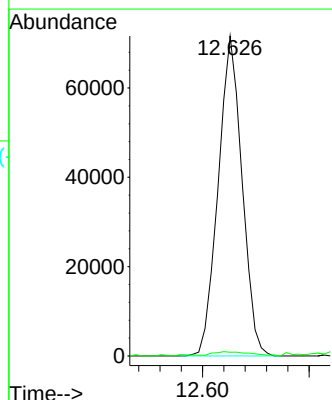
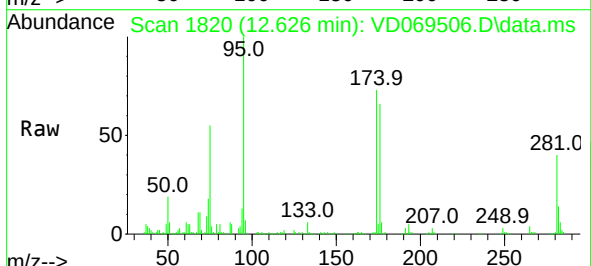
Instrument :
MSVOA_D
ClientSampleId :

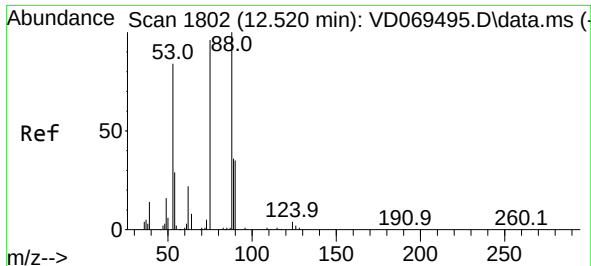
Tgt Ion: 43 Resp: 3141
Ion Ratio Lower Upper
43 100
70 60.0 38.1 57.1#
55 0.0 24.1 36.1#
61 0.0 20.8 31.2#



#76
1,2,3-Trichloropropane
Concen: 68.415 ug/l
RT: 12.626 min Scan# 1820
Delta R.T. -0.147 min
Lab File: VD069506.D
Acq: 21 Jun 2021 17:53

Tgt Ion: 75 Resp: 111211
Ion Ratio Lower Upper
75 100
77 1.9 162.6 487.8#

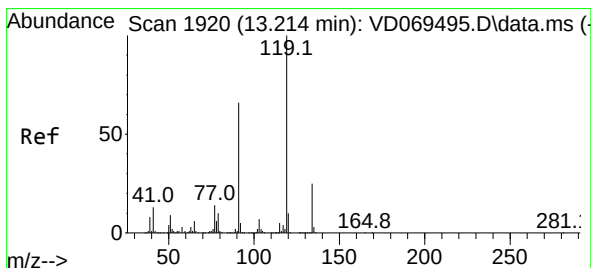
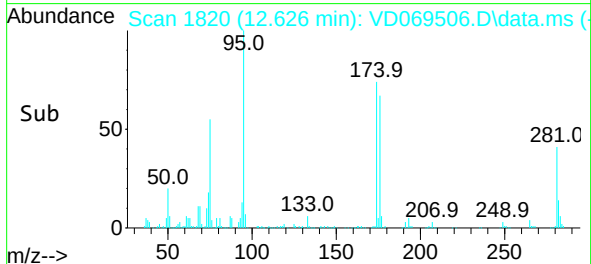
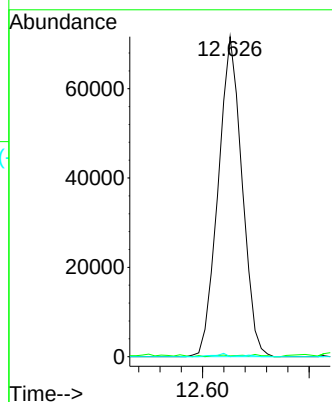
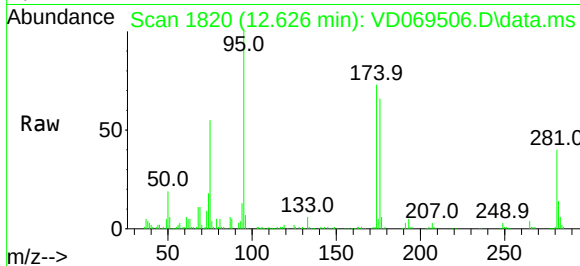




#81
 trans-1,4-Dichloro-2-butene
 Concen: 170.823 ug/l
 RT: 12.626 min Scan# 1820
 Delta R.T. 0.106 min
 Lab File: VD069506.D
 Acq: 21 Jun 2021 17:53

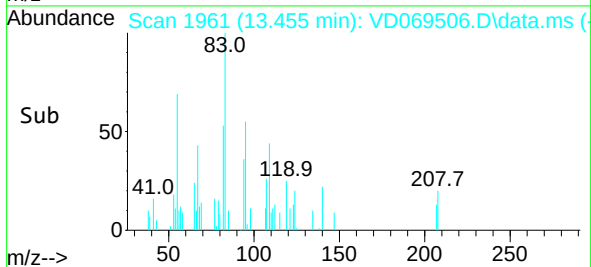
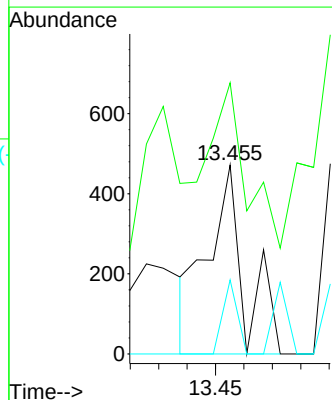
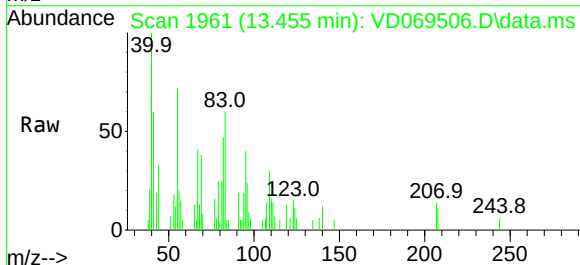
Instrument :
 MSVOA_D
 ClientSampleId :

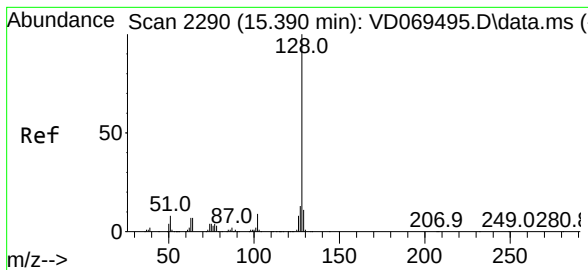
Tgt Ion: 75 Resp: 111211
 Ion Ratio Lower Upper
 75 100
 53 0.4 74.6 112.0#
 89 0.6 35.3 52.9#



#83
 tert-Butylbenzene
 Concen: 2.040 ug/l
 RT: 13.455 min Scan# 1961
 Delta R.T. 0.241 min
 Lab File: VD069506.D
 Acq: 21 Jun 2021 17:53

Tgt Ion: 119 Resp: 424
 Ion Ratio Lower Upper
 119 100
 91 78.8 32.5 97.4
 134 15.3 12.9 38.7





#95
Naphthalene
Concen: 3.574 ug/l
RT: 15.396 min Scan# 2291
Delta R.T. 0.006 min
Lab File: VD069506.D
Acq: 21 Jun 2021 17:53

Instrument :
MSVOA_D
ClientSampleId :

Tgt Ion:128 Resp: 1216
Ion Ratio Lower Upper
128 100
127 5.2 10.6 16.0#
129 0.0 8.7 13.1#

