

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN102121\
 Data File : VN069111.D
 Acq On : 22 Oct 2021 1:41
 Operator : JC/MD
 Sample : M4274-01
 Misc : 5.00mL/MSVOA_N/WATER
 ALS Vial : 37 Sample Multiplier: 1

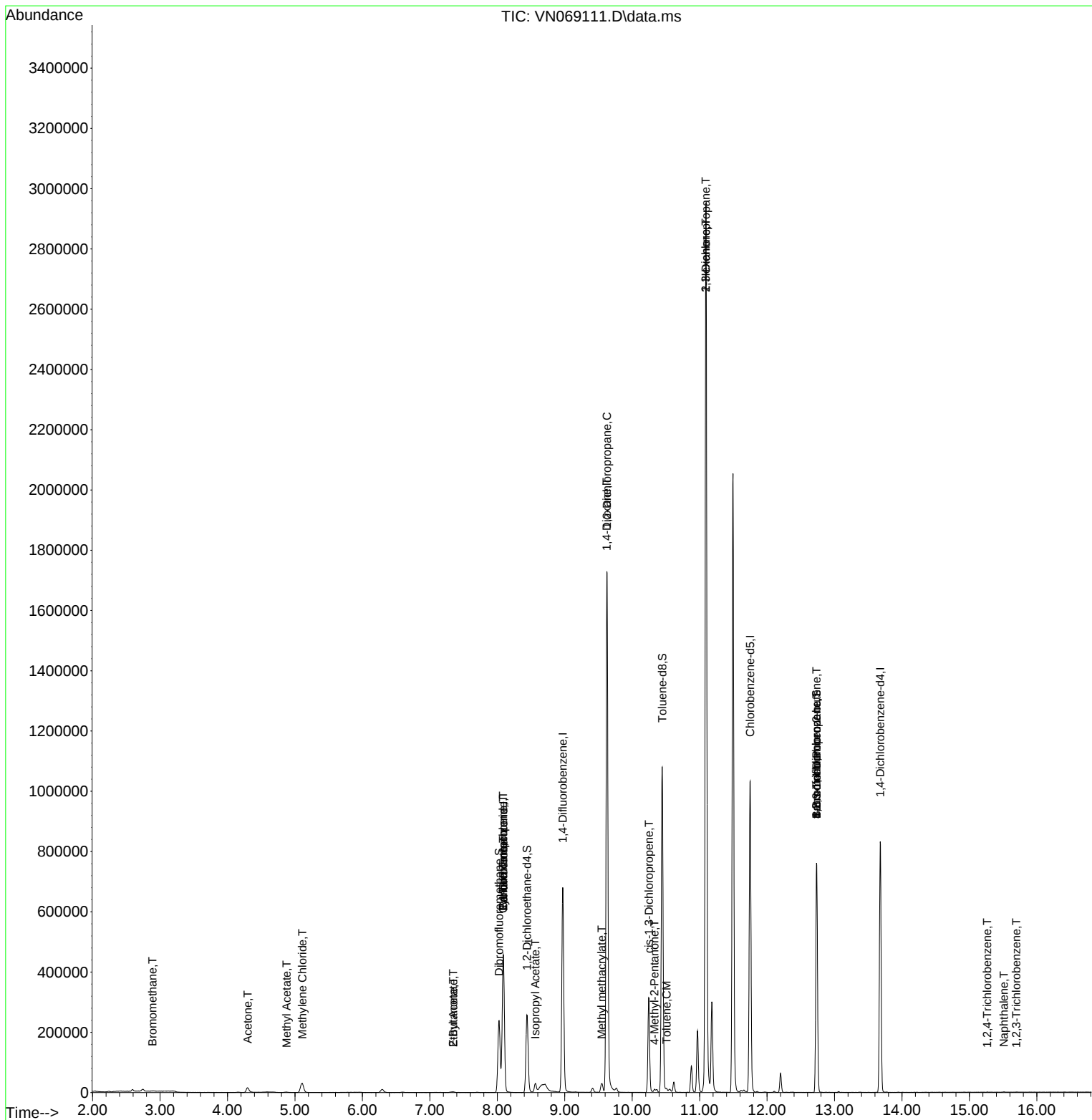
Instrument :
 MSVOA_N
 ClientSampleId :

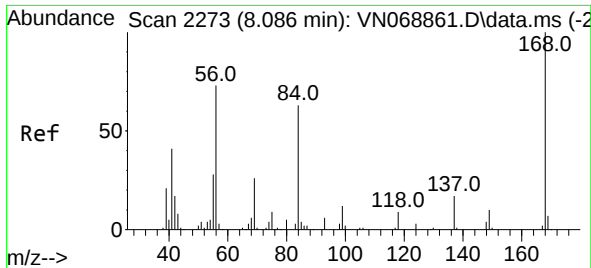
Quant Time: Oct 22 03:17:10 2021
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N101221W.M
 Quant Title : SW846 8260
 QLast Update : Wed Oct 13 05:44:40 2021
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	8.091	168	353035	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.971	114	604500	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.749	117	612432	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.677	152	224034	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.440	65	222147	47.726	ug/l	0.00
Spiked Amount 50.000	Range 61 - 141		Recovery =	95.460%		
35) Dibromofluoromethane	8.027	113	176422	50.162	ug/l	0.00
Spiked Amount 50.000	Range 69 - 133		Recovery =	100.320%		
50) Toluene-d8	10.446	98	769595	54.689	ug/l	0.00
Spiked Amount 50.000	Range 65 - 126		Recovery =	109.380%		
62) 4-Bromofluorobenzene	12.733	95	274316	51.667	ug/l	0.00
Spiked Amount 50.000	Range 58 - 135		Recovery =	103.340%		
Target Compounds						
					Qvalue	
5) Bromomethane	2.888	94	892	0.370	ug/l #	59
16) Acetone	4.299	43	30784	17.722	ug/l	98
18) Methyl Acetate	4.875	43	3633	0.551	ug/l #	66
20) Methylene Chloride	5.109	84	26371	6.596	ug/l	96
25) 2-Butanone	7.345	43	2693	1.025	ug/l	96
31) Cyclohexane	8.085	56	8071	1.115	ug/l #	20
36) 1,1-Dichloropropene	8.088	75	27841	5.392	ug/l #	50
37) Ethyl Acetate	7.345	43	2693	0.505	ug/l #	68
38) Carbon Tetrachloride	8.088	117	35332	6.231	ug/l #	15
43) Isopropyl Acetate	8.566	43	35964	3.822	ug/l #	90
45) 1,2-Dichloropropane	9.628	63	2099	0.514	ug/l #	43
48) Methyl methacrylate	9.547	41	7917	1.791	ug/l #	13
49) 1,4-Dioxane	9.622	88	82	36.551	ug/l #	1
51) 4-Methyl-2-Pentanone	10.330	43	4437	0.813	ug/l #	66
52) Toluene	10.510	92	3899	0.385	ug/l	99
54) cis-1,3-Dichloropropene	10.247	75	59472	8.744	ug/l #	60
57) 1,3-Dichloropropane	11.092	76	32327	4.916	ug/l #	42
59) 2-Hexanone	11.092	43	461153	117.867	ug/l #	51
71) Bromoform	12.733	173	952	0.262	ug/l #	1
76) 1,2,3-Trichloropropane	12.733	75	142912	29.981	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.733	75	142912	71.727	ug/l #	12
93) 1,2,4-Trichlorobenzene	15.265	180	188	2.649	ug/l #	63
95) Naphthalene	15.512	128	1676	3.961	ug/l #	69
96) 1,2,3-Trichlorobenzene	15.697	180	204	2.568	ug/l #	71

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

Quant Time: Oct 22 03:17:10 2021
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N101221W.M
Quant Title : SW846 8260
QLast Update : Wed Oct 13 05:44:40 2021
Response via : Initial Calibration

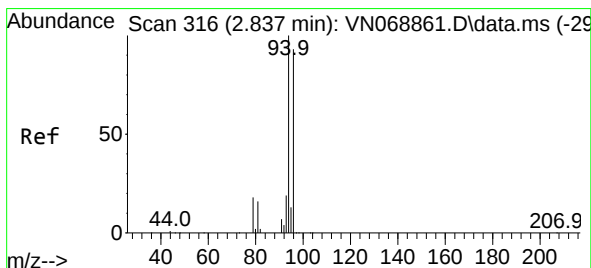
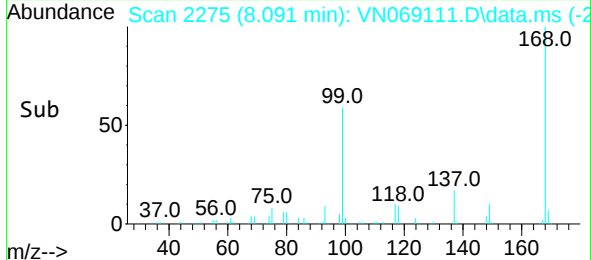
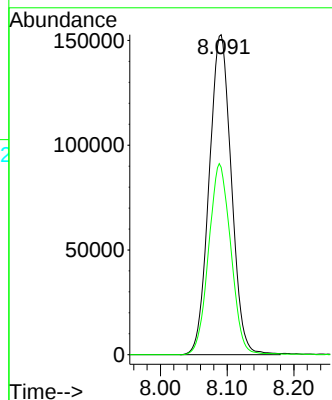
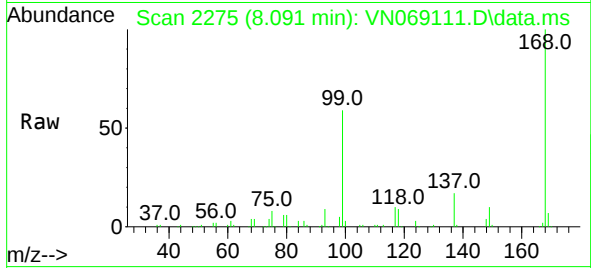




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.091 min Scan# 2275
Delta R.T. 0.005 min
Lab File: VN069111.D
Acq: 22 Oct 2021 1:41

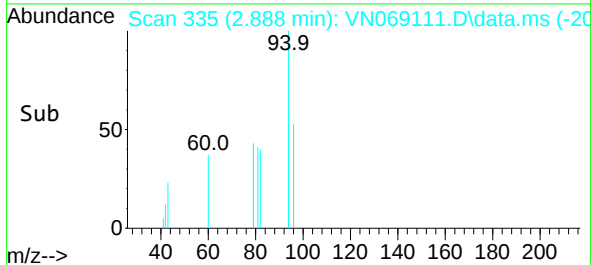
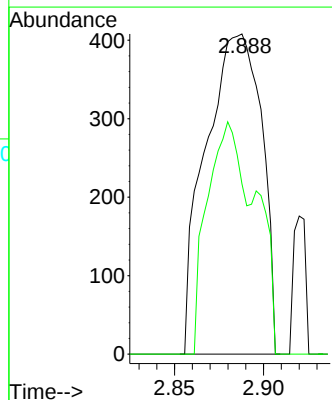
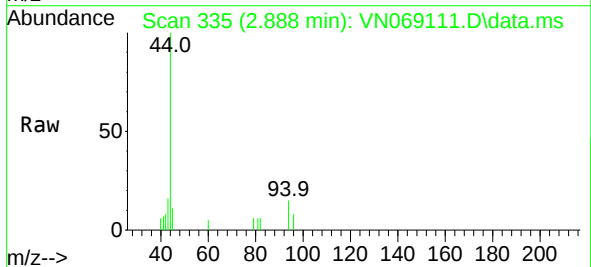
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MSVOA_N
ClientSampled :

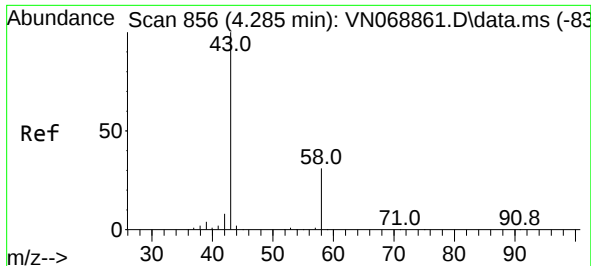
Tgt Ion:168 Resp: 353035
Ion Ratio Lower Upper
168 100
99 58.5 48.9 73.3



#5
Bromomethane
Concen: 0.370 ug/l
RT: 2.888 min Scan# 335
Delta R.T. 0.051 min
Lab File: VN069111.D
Acq: 22 Oct 2021 1:41

Tgt Ion: 94 Resp: 892
Ion Ratio Lower Upper
94 100
96 53.2 74.2 111.4#

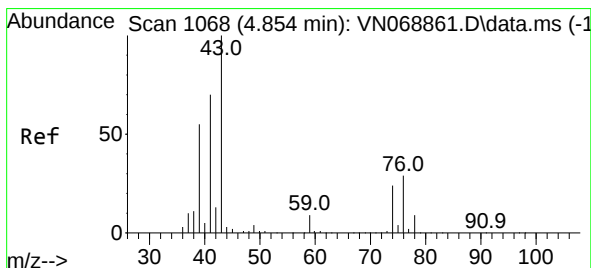
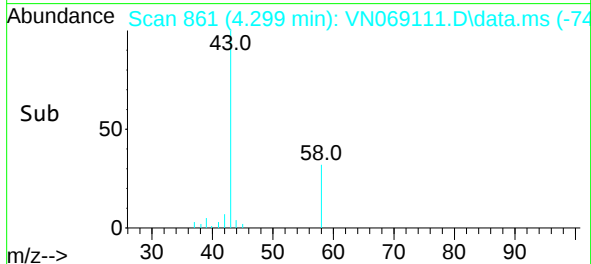
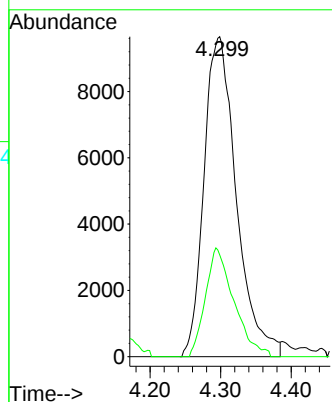
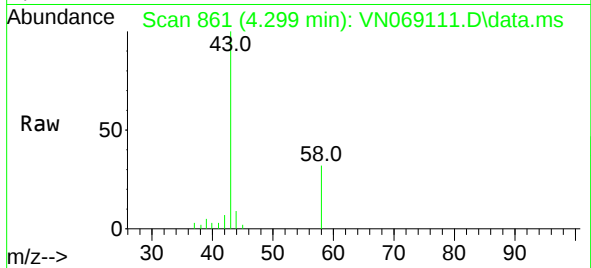




#16
Acetone
Concen: 17.722 ug/l
RT: 4.299 min Scan# 861
Delta R.T. 0.013 min
Lab File: VN069111.D
Acq: 22 Oct 2021 1:41

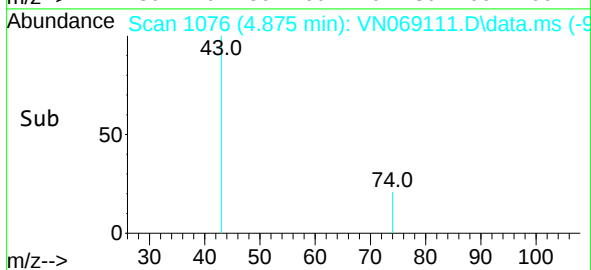
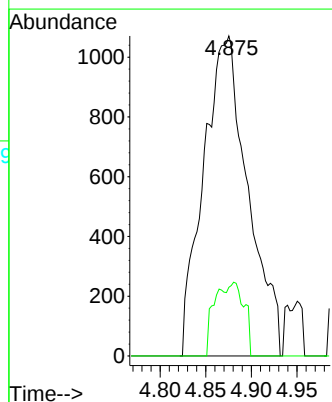
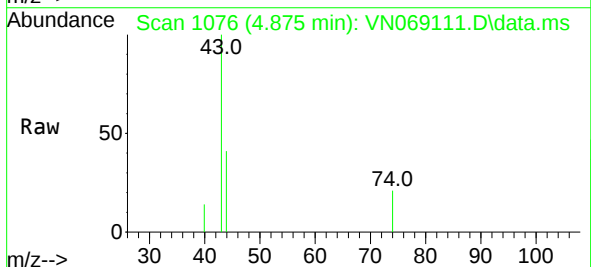
Instrument :
MSVOA_N
ClientSampled :

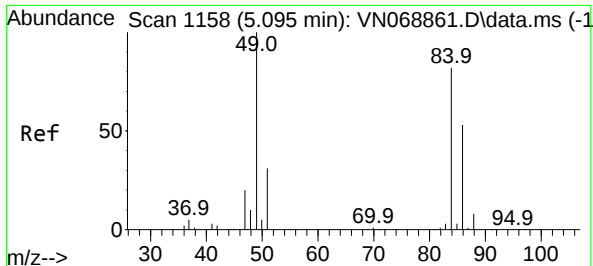
Tgt Ion: 43 Resp: 30784
Ion Ratio Lower Upper
43 100
58 31.8 24.5 36.7



#18
Methyl Acetate
Concen: 0.551 ug/l
RT: 4.875 min Scan# 1076
Delta R.T. 0.021 min
Lab File: VN069111.D
Acq: 22 Oct 2021 1:41

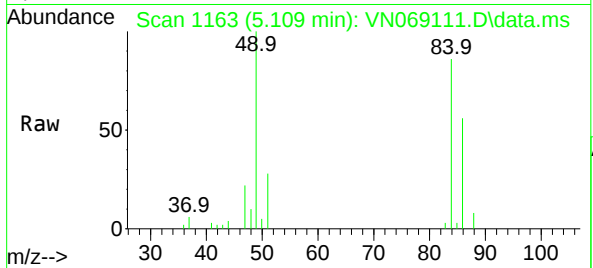
Tgt Ion: 43 Resp: 3633
Ion Ratio Lower Upper
43 100
74 7.0 18.9 28.3#



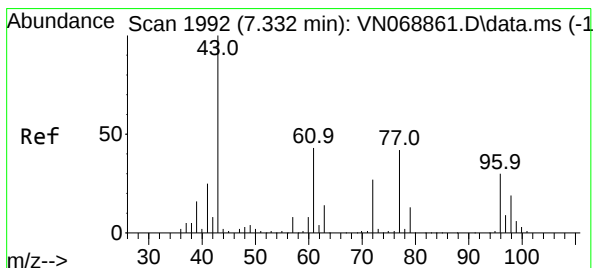
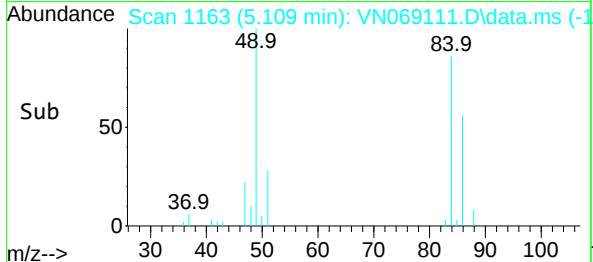
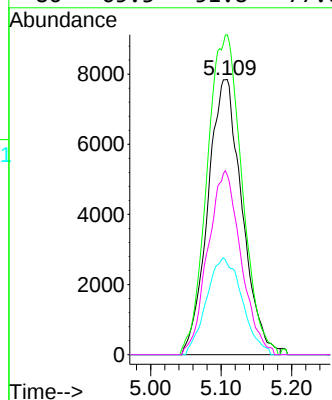


#20
Methylene Chloride
Concen: 6.596 ug/l
RT: 5.109 min Scan# 1163
Delta R.T. 0.013 min
Lab File: VN069111.D
Acq: 22 Oct 2021 1:41

Instrument :
MSVOA_N
ClientSampled :

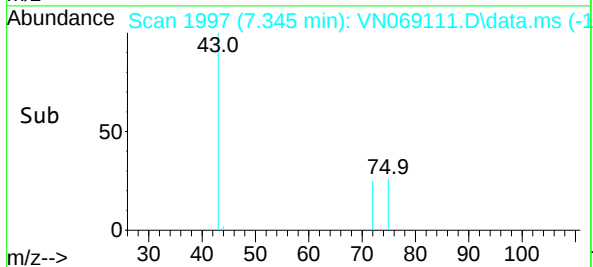
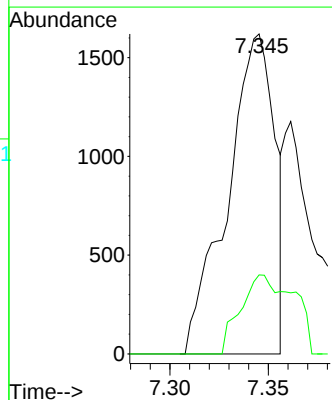
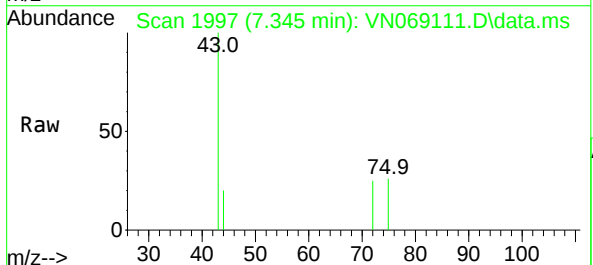


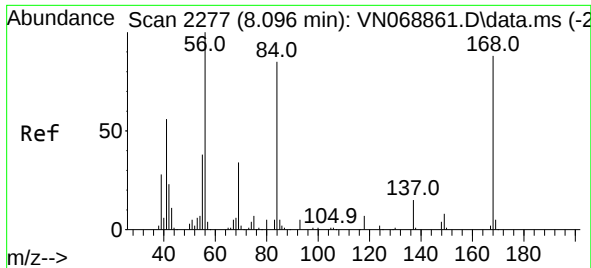
Tgt Ion:	84	Resp:	26371
Ion	Ratio	Lower	Upper
84	100		
49	116.3	97.6	146.4
51	33.0	30.3	45.5
86	65.3	51.8	77.6



#25
2-Butanone
Concen: 1.025 ug/l
RT: 7.345 min Scan# 1997
Delta R.T. 0.013 min
Lab File: VN069111.D
Acq: 22 Oct 2021 1:41

Tgt Ion:	43	Resp:	2693
Ion	Ratio	Lower	Upper
43	100		
72	24.7	21.2	31.8

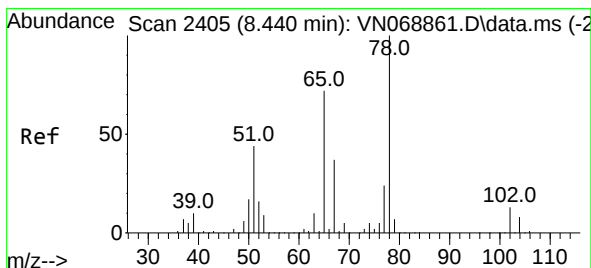
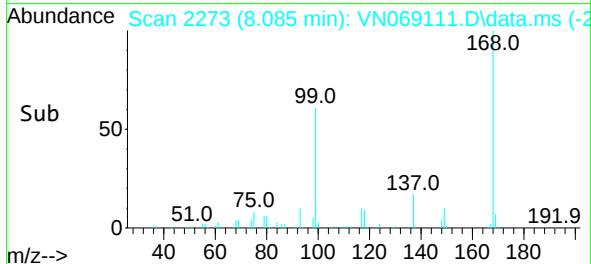
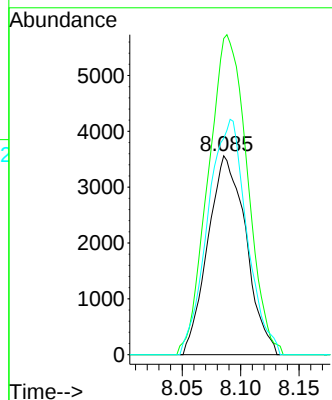
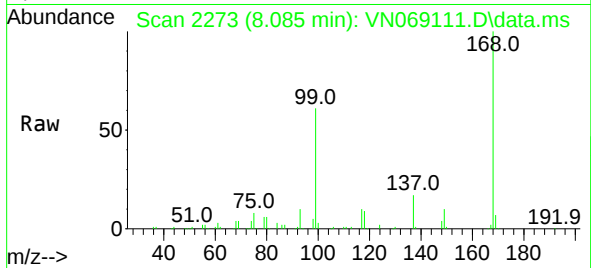




#31
Cyclohexane
Concen: 1.115 ug/l
RT: 8.085 min Scan# 2273
Delta R.T. -0.011 min
Lab File: VN069111.D
Acq: 22 Oct 2021 1:41

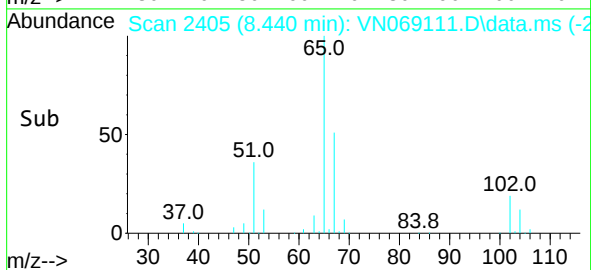
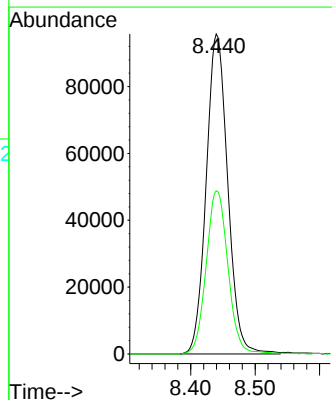
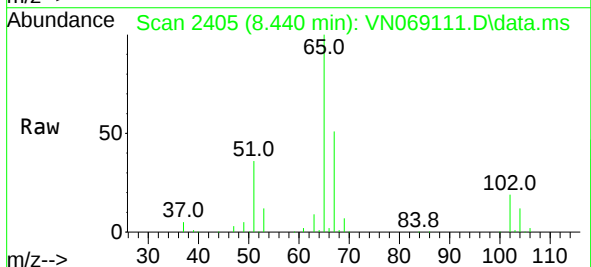
Instrument :
MSVOA_N
ClientSampled :

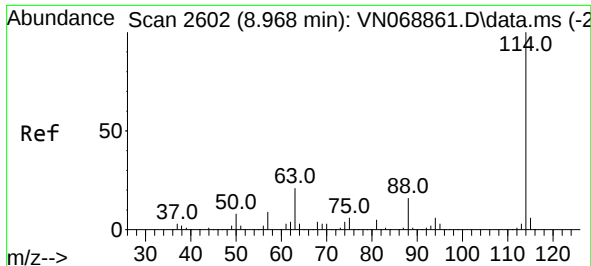
Tgt Ion: 56 Resp: 8071
Ion Ratio Lower Upper
56 100
69 154.8 26.9 40.3#
84 108.8 67.6 101.4#



#33
1,2-Dichloroethane-d4
Concen: 47.726 ug/l
RT: 8.440 min Scan# 2405
Delta R.T. -0.000 min
Lab File: VN069111.D
Acq: 22 Oct 2021 1:41

Tgt Ion: 65 Resp: 222147
Ion Ratio Lower Upper
65 100
67 51.7 0.0 103.8

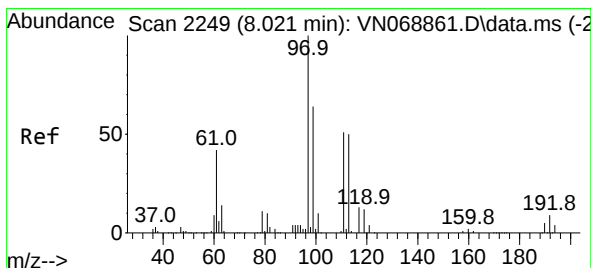
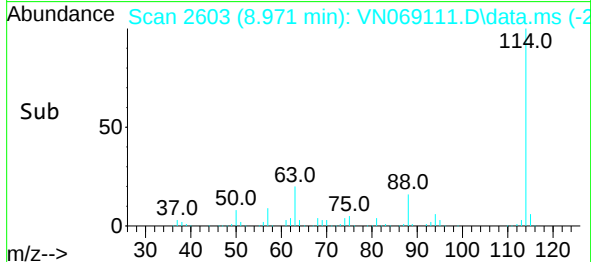
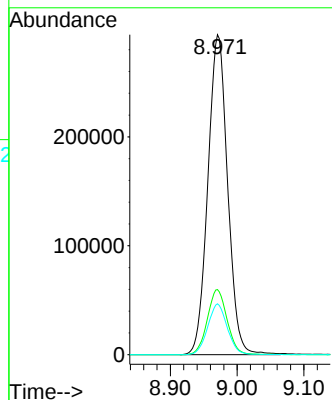
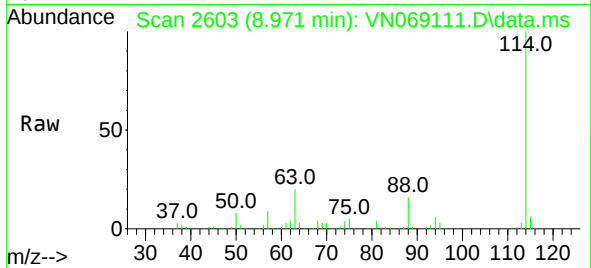




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.971 min Scan# 2603
Delta R.T. 0.003 min
Lab File: VN069111.D
Acq: 22 Oct 2021 1:41

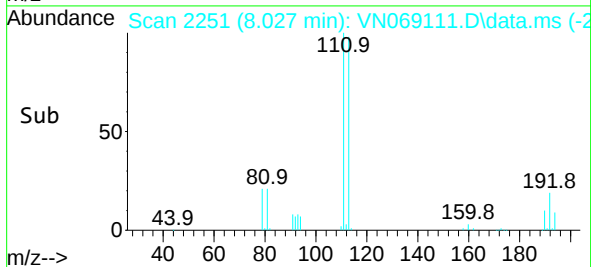
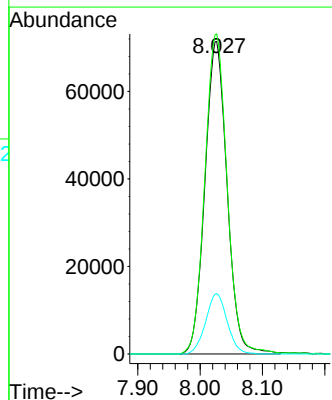
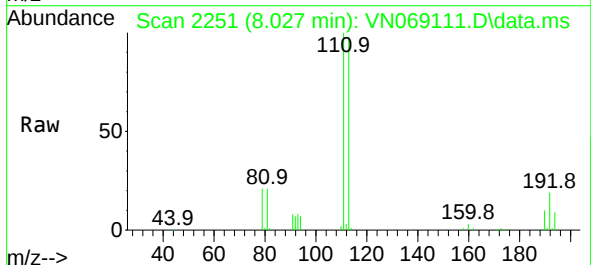
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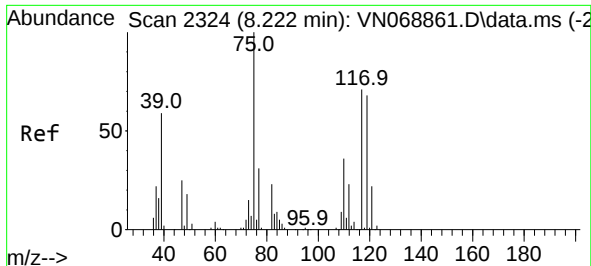
Tgt Ion:114 Resp: 604500
Ion Ratio Lower Upper
114 100
63 20.4 0.0 42.6
88 15.9 0.0 32.0



#35
Dibromofluoromethane
Concen: 50.162 ug/l
RT: 8.027 min Scan# 2251
Delta R.T. 0.005 min
Lab File: VN069111.D
Acq: 22 Oct 2021 1:41

Tgt Ion:113 Resp: 176422
Ion Ratio Lower Upper
113 100
111 103.1 83.2 124.8
192 18.8 15.0 22.4

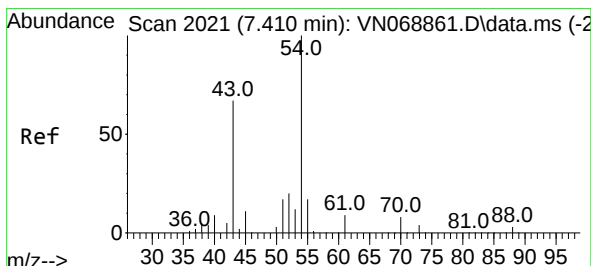
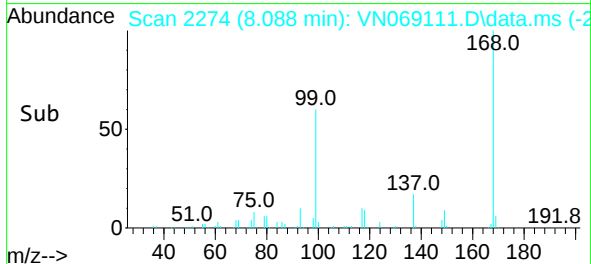
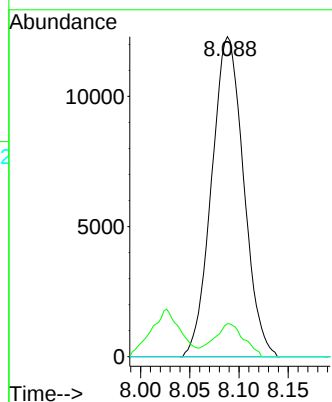
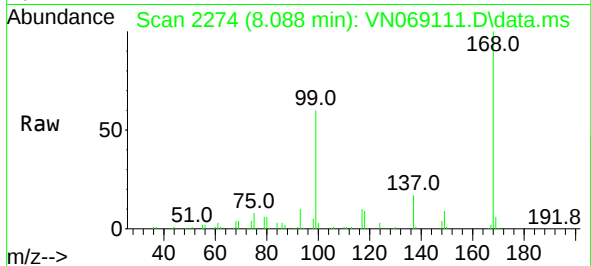




#36
1,1-Dichloropropene
Concen: 5.392 ug/l
RT: 8.088 min Scan# 2274
Delta R.T. -0.134 min
Lab File: VN069111.D
Acq: 22 Oct 2021 1:41

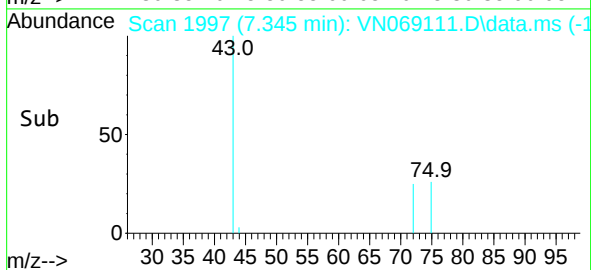
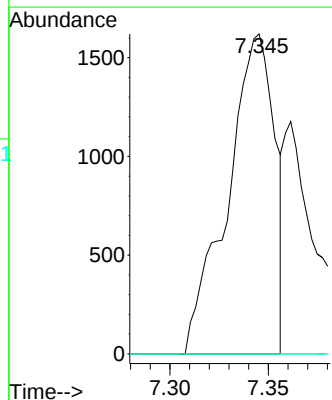
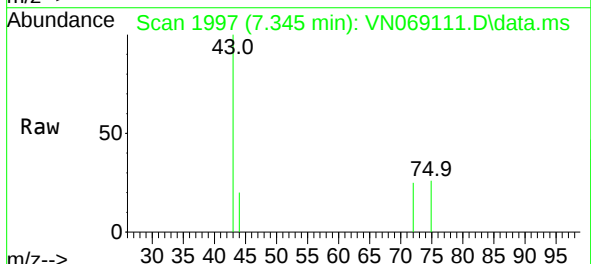
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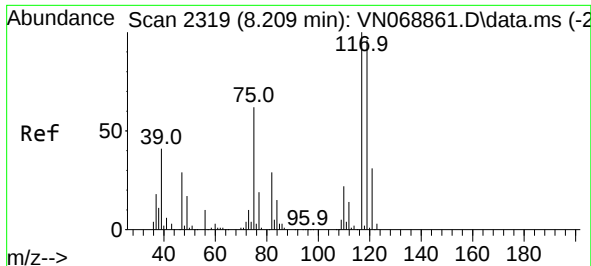
Tgt Ion: 75 Resp: 27841
Ion Ratio Lower Upper
75 100
110 9.7 17.9 53.8#
77 0.0 24.7 37.1#



#37
Ethyl Acetate
Concen: 0.505 ug/l
RT: 7.345 min Scan# 1997
Delta R.T. -0.064 min
Lab File: VN069111.D
Acq: 22 Oct 2021 1:41

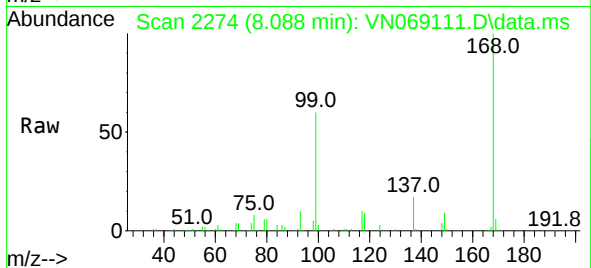
Tgt Ion: 43 Resp: 2693
Ion Ratio Lower Upper
43 100
61 0.0 11.2 16.8#
70 0.0 8.4 12.6#



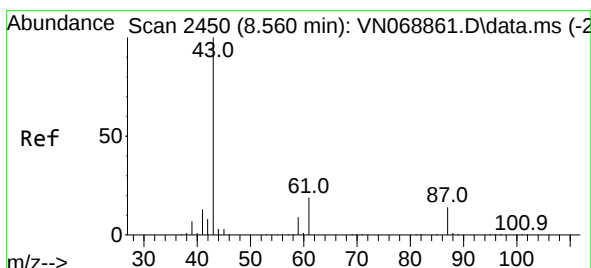
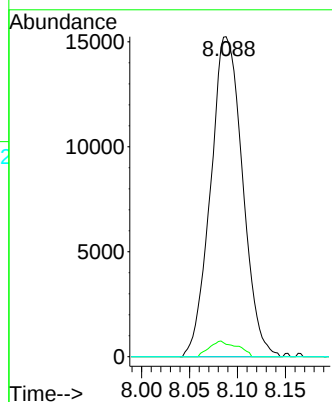
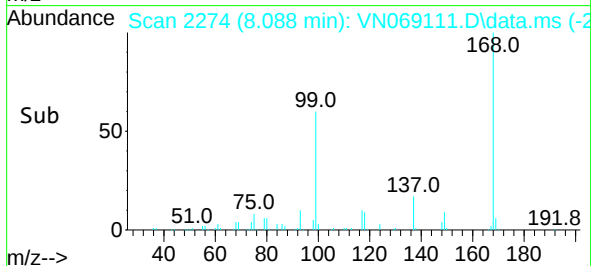


#38
Carbon Tetrachloride
Concen: 6.231 ug/l
RT: 8.088 min Scan# 2274
Delta R.T. -0.121 min
Lab File: VN069111.D
Acq: 22 Oct 2021 1:41

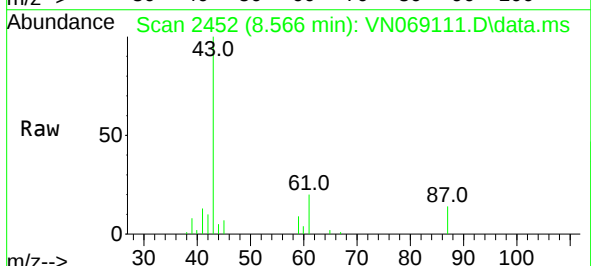
Instrument :
MSVOA_N
ClientSampled :



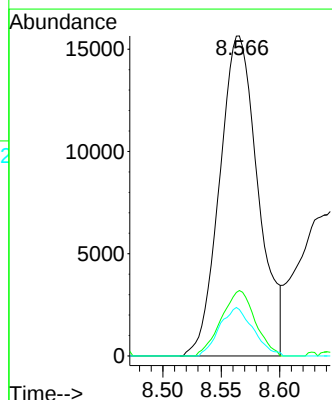
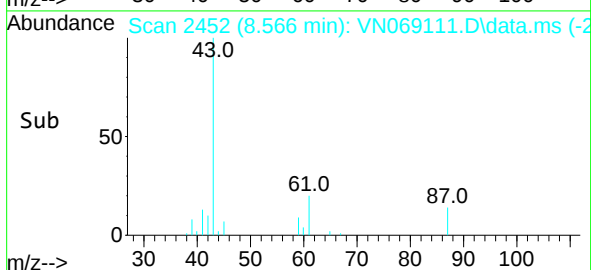
Tgt Ion:117 Resp: 35332
Ion Ratio Lower Upper
117 100
119 3.9 76.9 115.3#
121 0.0 24.6 37.0#

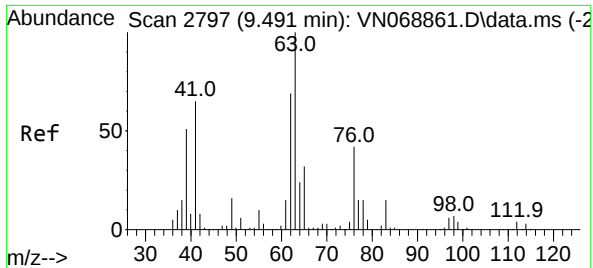


#43
Isopropyl Acetate
Concen: 3.822 ug/l
RT: 8.566 min Scan# 2452
Delta R.T. 0.005 min
Lab File: VN069111.D
Acq: 22 Oct 2021 1:41



Tgt Ion: 43 Resp: 35964
Ion Ratio Lower Upper
43 100
61 18.0 20.4 30.6#
87 13.2 10.7 16.1

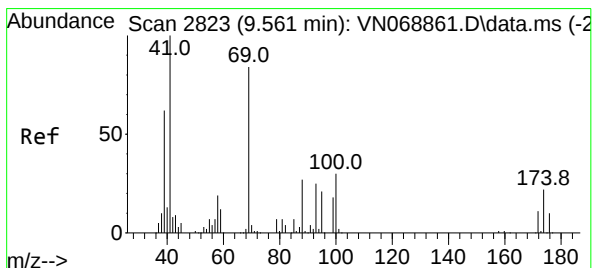
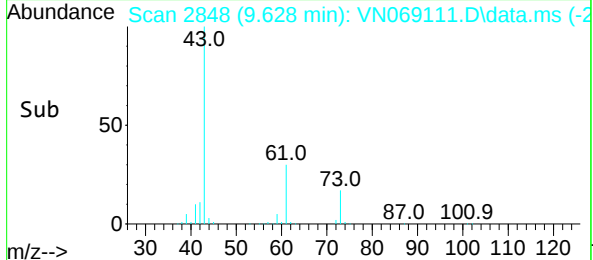
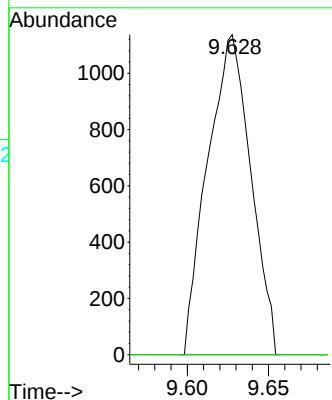
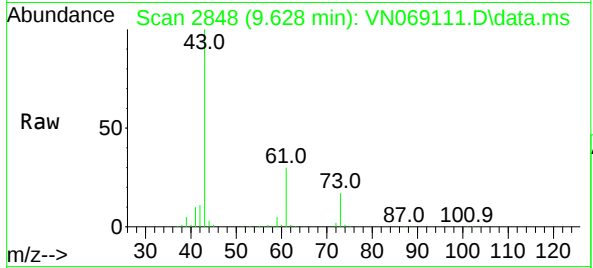




#45
1,2-Dichloropropane
Concen: 0.514 ug/l
RT: 9.628 min Scan# 2848
Delta R.T. 0.137 min
Lab File: VN069111.D
Acq: 22 Oct 2021 1:41

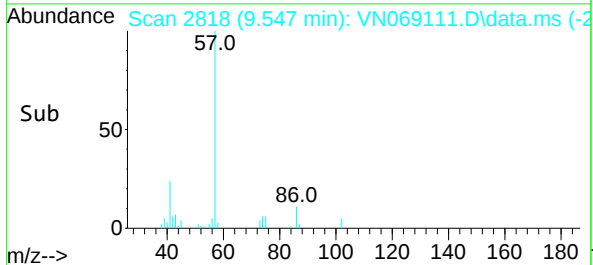
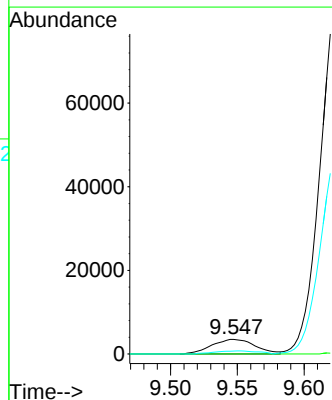
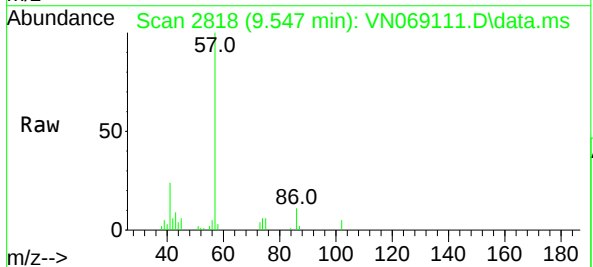
Instrument :
MSVOA_N
ClientSampled :

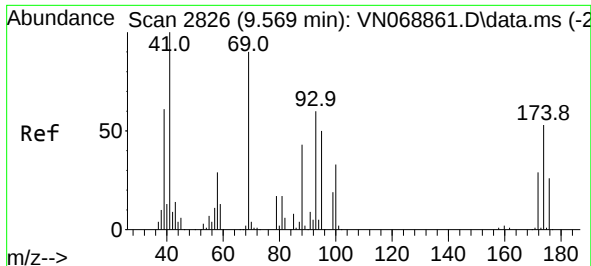
Tgt Ion: 63 Resp: 2099
Ion Ratio Lower Upper
63 100
65 0.0 25.6 38.4#



#48
Methyl methacrylate
Concen: 1.791 ug/l
RT: 9.547 min Scan# 2818
Delta R.T. -0.014 min
Lab File: VN069111.D
Acq: 22 Oct 2021 1:41

Tgt Ion: 41 Resp: 7917
Ion Ratio Lower Upper
41 100
69 0.0 66.4 99.6#
39 0.0 50.2 75.2#

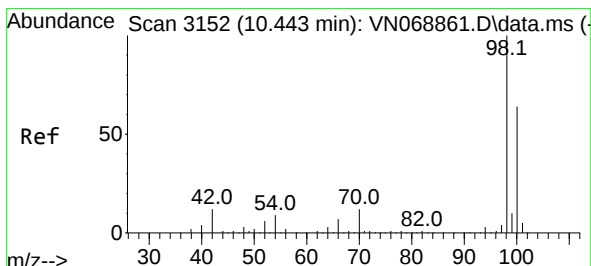
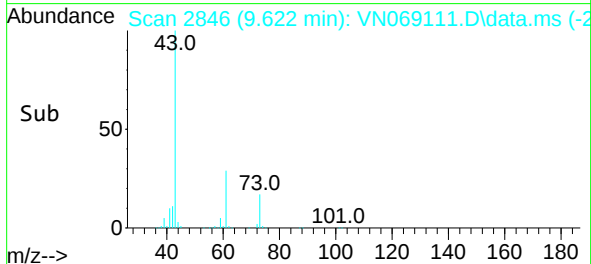
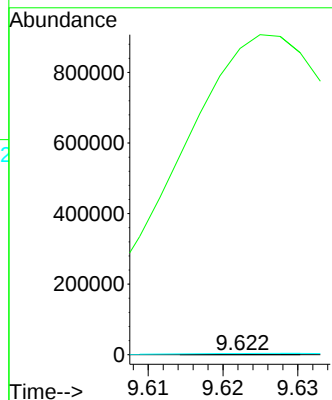
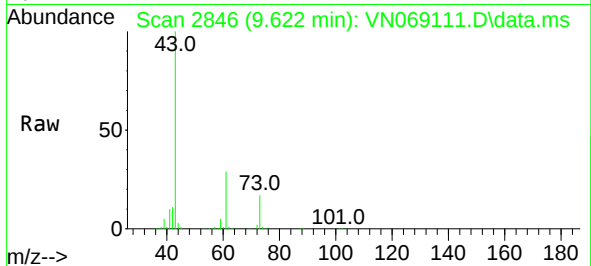




#49
1,4-Dioxane
Concen: 36.551 ug/l
RT: 9.622 min Scan# 2846
Delta R.T. 0.053 min
Lab File: VN069111.D
Acq: 22 Oct 2021 1:41

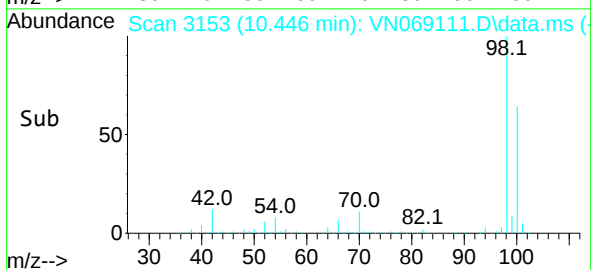
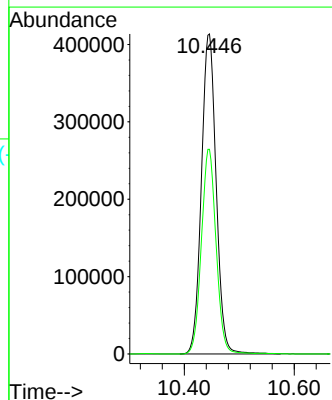
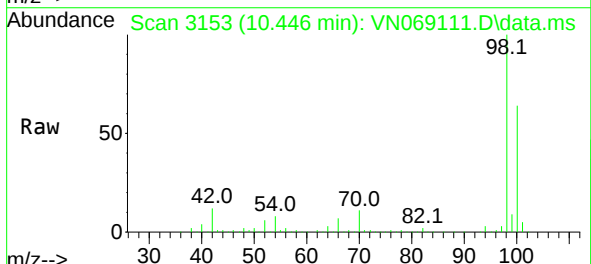
Instrument :
MSVOA_N
ClientSampled :

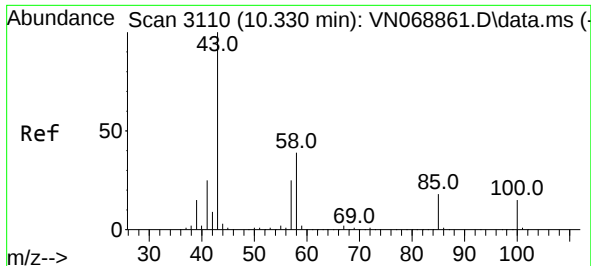
Tgt Ion: 88 Resp: 82
Ion Ratio Lower Upper
88 100
43 2112443.9 24.9 37.3#
58 8547.6 56.9 85.3#



#50
Toluene-d8
Concen: 54.689 ug/l
RT: 10.446 min Scan# 3153
Delta R.T. 0.003 min
Lab File: VN069111.D
Acq: 22 Oct 2021 1:41

Tgt Ion: 98 Resp: 769595
Ion Ratio Lower Upper
98 100
100 63.7 51.5 77.3

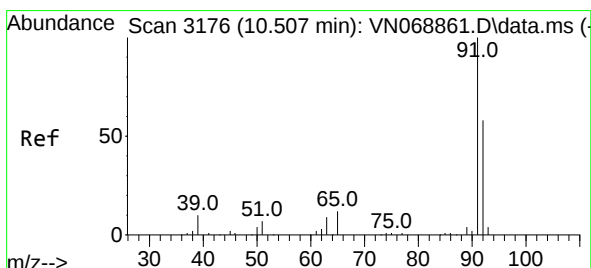
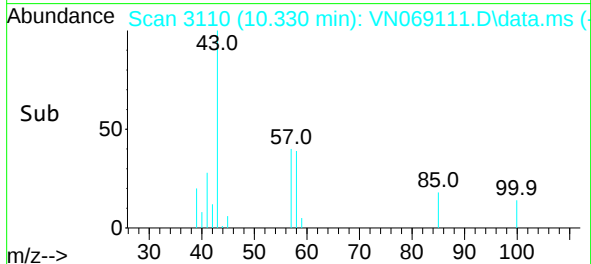
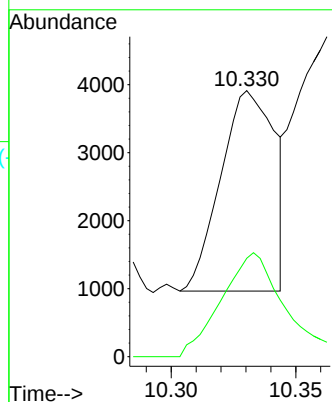
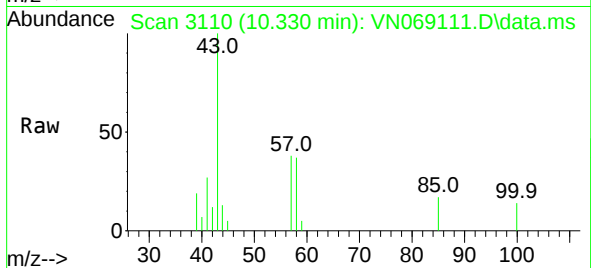




#51
4-Methyl-2-Pentanone
Concen: 0.813 ug/l
RT: 10.330 min Scan# 3110
Delta R.T. -0.000 min
Lab File: VN069111.D
Acq: 22 Oct 2021 1:41

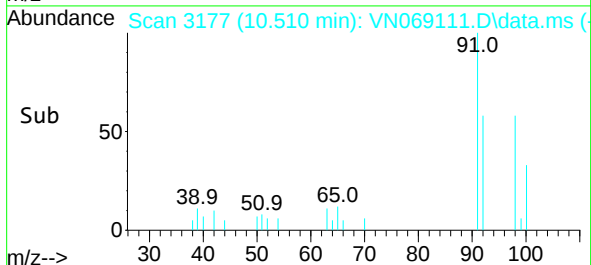
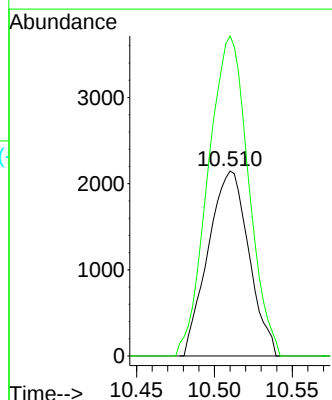
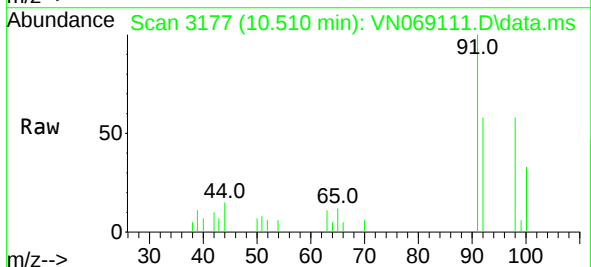
Instrument :
MSVOA_N
ClientSampled :

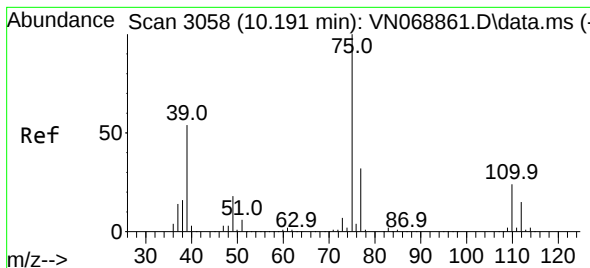
Tgt Ion: 43 Resp: 4437
Ion Ratio Lower Upper
43 100
58 59.4 31.0 46.4#



#52
Toluene
Concen: 0.385 ug/l
RT: 10.510 min Scan# 3177
Delta R.T. 0.003 min
Lab File: VN069111.D
Acq: 22 Oct 2021 1:41

Tgt Ion: 92 Resp: 3899
Ion Ratio Lower Upper
92 100
91 171.7 138.5 207.7

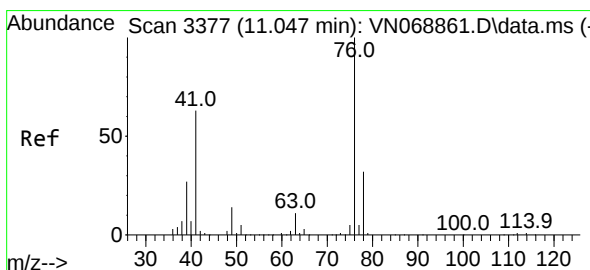
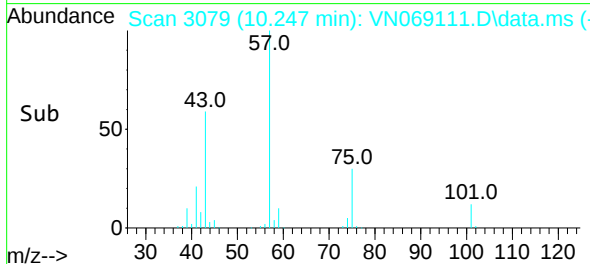
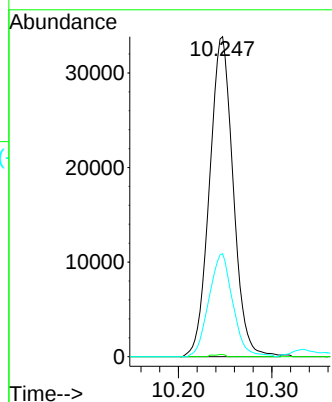
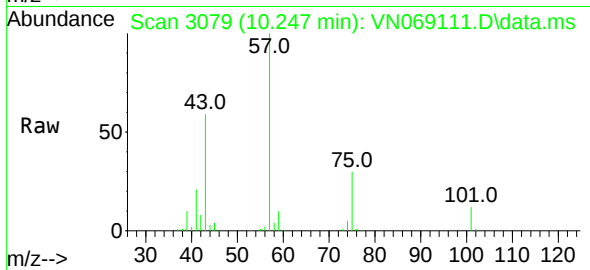




#54
cis-1,3-Dichloropropene
Concen: 8.744 ug/l
RT: 10.247 min Scan# 3079
Delta R.T. 0.056 min
Lab File: VN069111.D
Acq: 22 Oct 2021 1:41

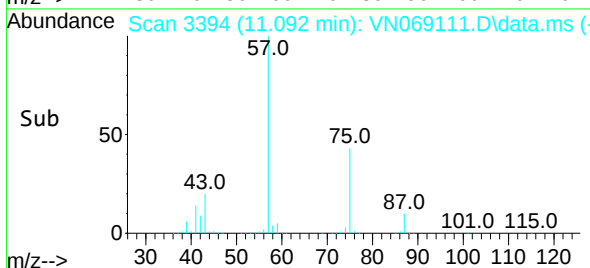
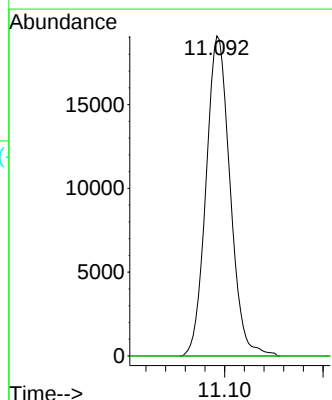
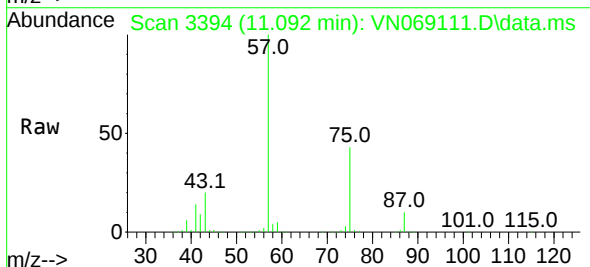
Instrument :
MSVOA_N
ClientSampled :

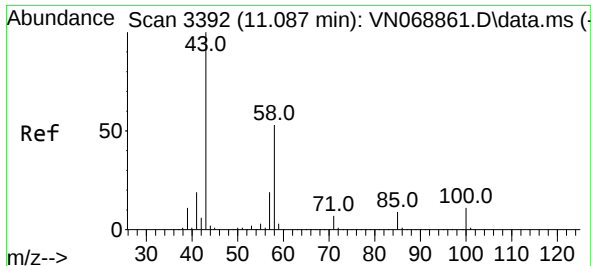
Tgt Ion: 75 Resp: 59472
Ion Ratio Lower Upper
75 100
77 0.7 25.6 38.4#
39 32.2 42.9 64.3#



#57
1,3-Dichloropropane
Concen: 4.916 ug/l
RT: 11.092 min Scan# 3394
Delta R.T. 0.045 min
Lab File: VN069111.D
Acq: 22 Oct 2021 1:41

Tgt Ion: 76 Resp: 32327
Ion Ratio Lower Upper
76 100
78 0.0 25.8 38.8#

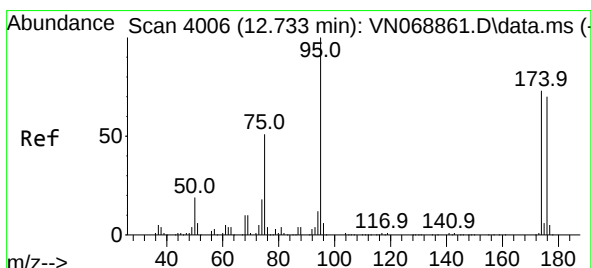
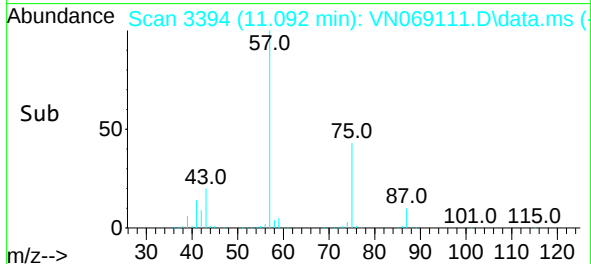
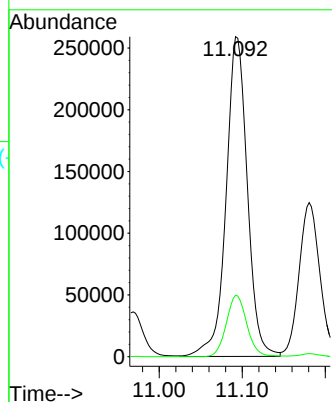
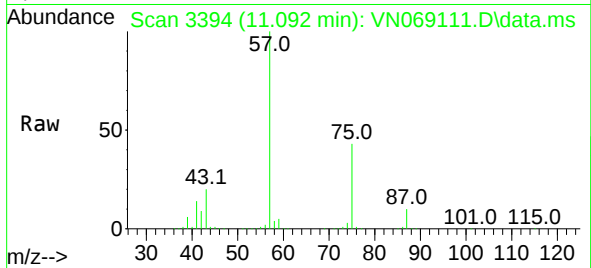




#59
2-Hexanone
Concen: 117.867 ug/l
RT: 11.092 min Scan# 3394
Delta R.T. 0.005 min
Lab File: VN069111.D
Acq: 22 Oct 2021 1:41

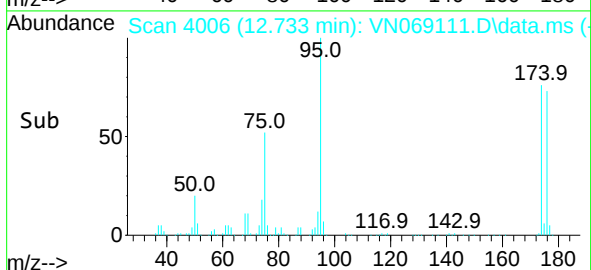
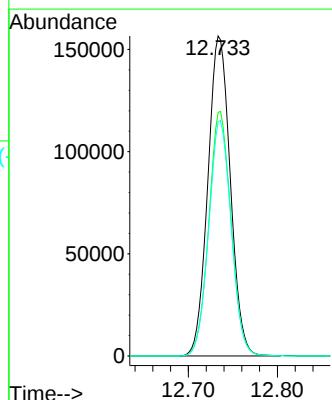
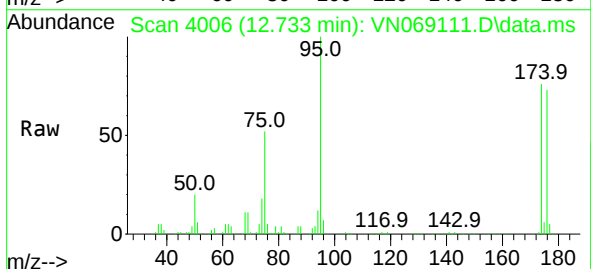
Instrument :
MSVOA_N
ClientSampleId :

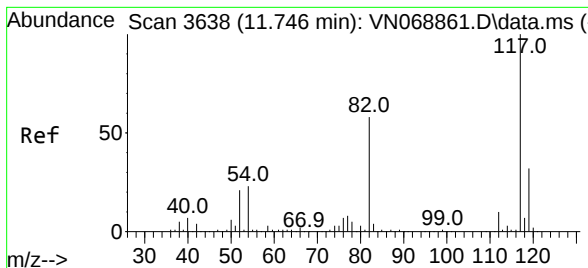
Tgt Ion: 43 Resp: 461153
Ion Ratio Lower Upper
43 100
58 18.6 26.9 80.7#



#62
4-Bromofluorobenzene
Concen: 51.667 ug/l
RT: 12.733 min Scan# 4006
Delta R.T. -0.000 min
Lab File: VN069111.D
Acq: 22 Oct 2021 1:41

Tgt Ion: 95 Resp: 274316
Ion Ratio Lower Upper
95 100
174 75.8 0.0 144.8
176 73.6 0.0 140.0

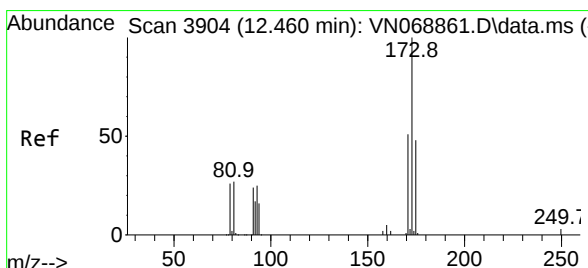
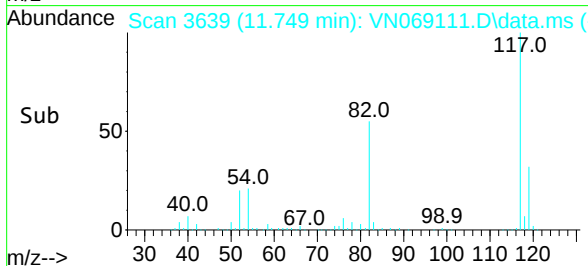
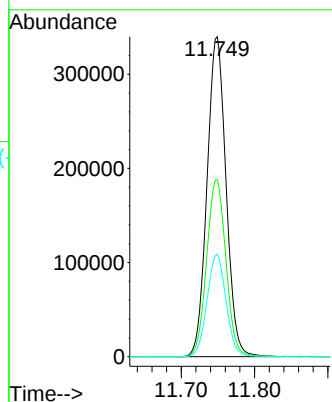
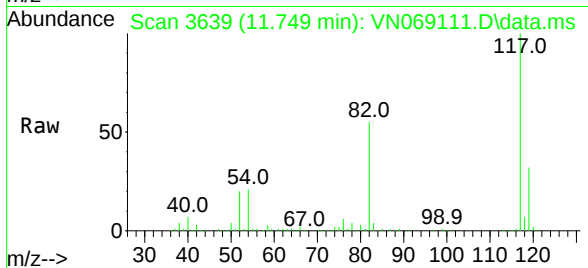




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.749 min Scan# 3639
Delta R.T. 0.003 min
Lab File: VN069111.D
Acq: 22 Oct 2021 1:41

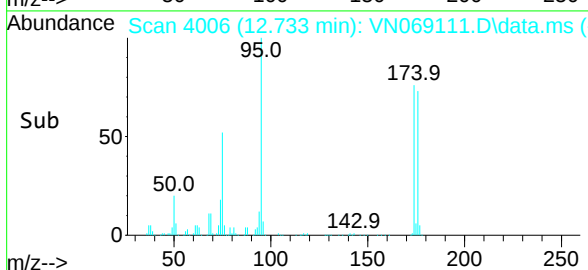
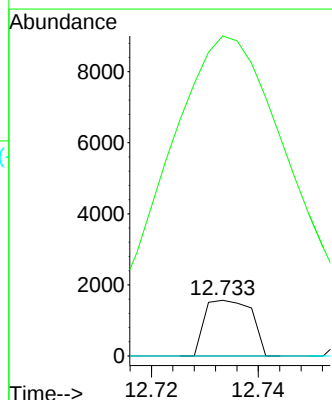
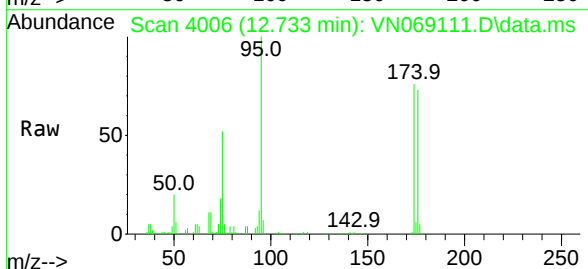
Instrument :
MSVOA_N
ClientSampleId :

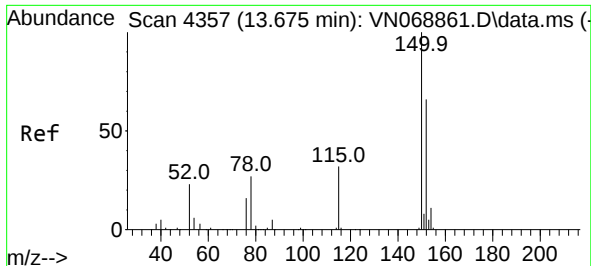
Tgt Ion:117 Resp: 612432
Ion Ratio Lower Upper
117 100
82 55.3 46.4 69.6
119 32.0 26.0 39.0



#71
Bromoform
Concen: 0.262 ug/l
RT: 12.733 min Scan# 4006
Delta R.T. 0.273 min
Lab File: VN069111.D
Acq: 22 Oct 2021 1:41

Tgt Ion:173 Resp: 952
Ion Ratio Lower Upper
173 100
175 1495.8 23.8 71.5#
254 0.0 0.0 0.0

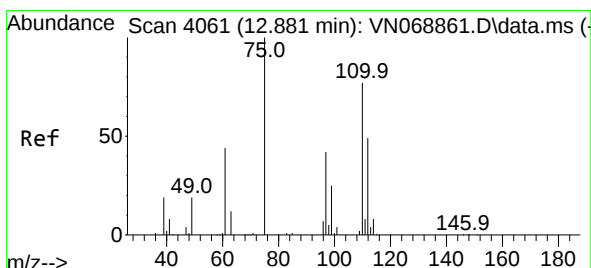
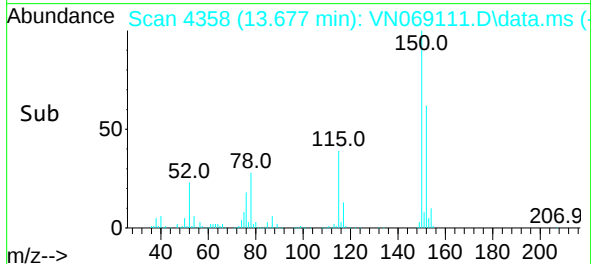
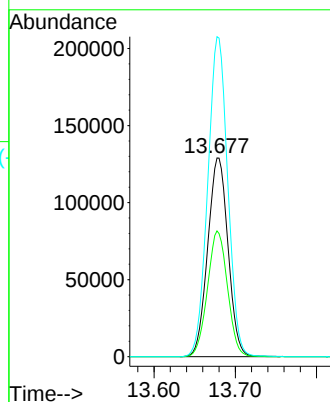
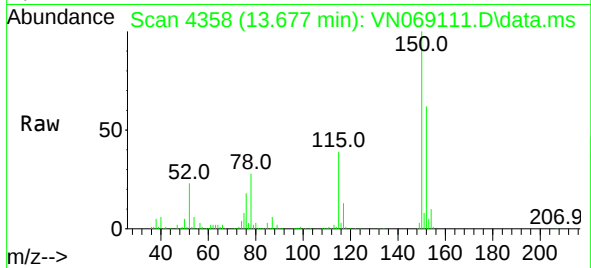




#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 13.677 min Scan# 4358
 Delta R.T. 0.003 min
 Lab File: VN069111.D
 Acq: 22 Oct 2021 1:41

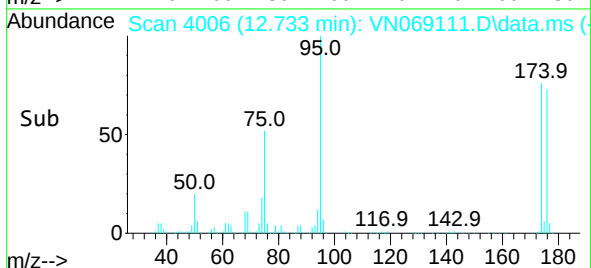
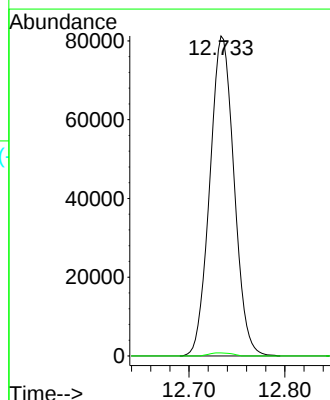
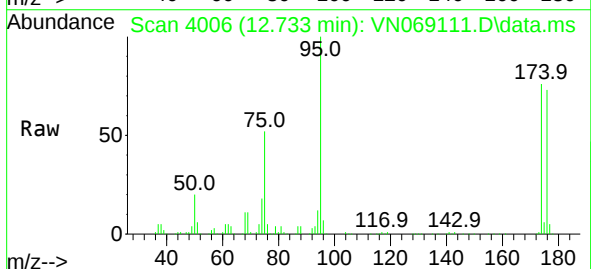
Instrument :
 MSVOA_N
 ClientSampleId :

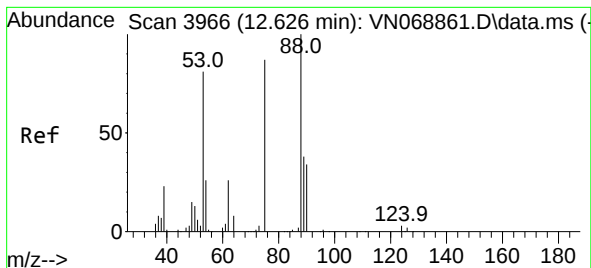
Tgt Ion:152 Resp: 224034
 Ion Ratio Lower Upper
 152 100
 115 62.3 31.4 94.3
 150 158.3 0.0 351.0



#76
 1,2,3-Trichloropropane
 Concen: 29.981 ug/l
 RT: 12.733 min Scan# 4006
 Delta R.T. -0.148 min
 Lab File: VN069111.D
 Acq: 22 Oct 2021 1:41

Tgt Ion: 75 Resp: 142912
 Ion Ratio Lower Upper
 75 100
 77 0.9 96.2 288.4#

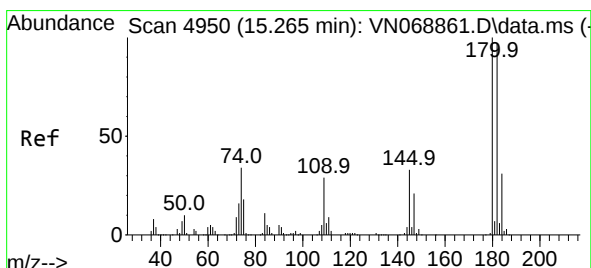
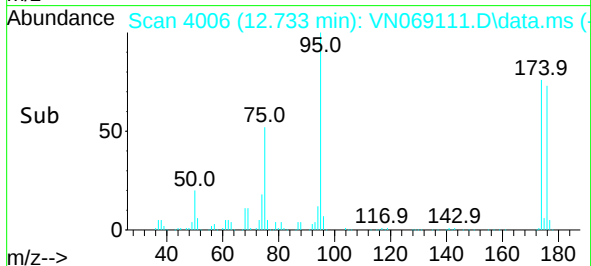
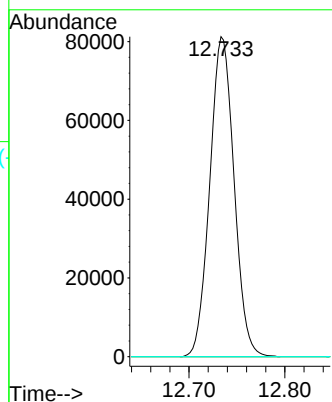
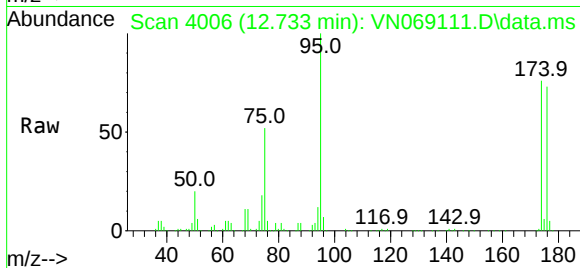




#81
trans-1,4-Dichloro-2-butene
Concen: 71.727 ug/l
RT: 12.733 min Scan# 4006
Delta R.T. 0.107 min
Lab File: VN069111.D
Acq: 22 Oct 2021 1:41

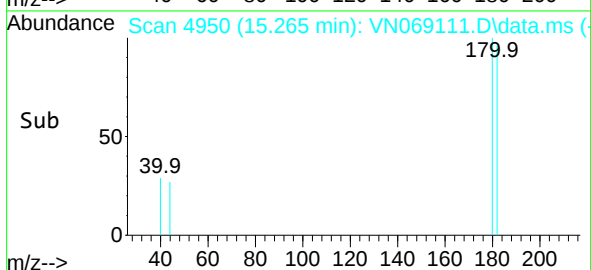
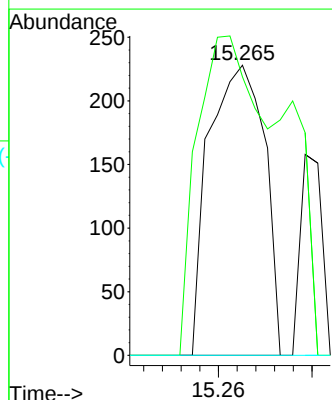
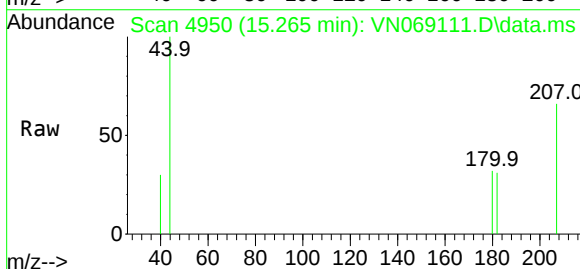
Instrument :
MSVOA_N
ClientSampleId :

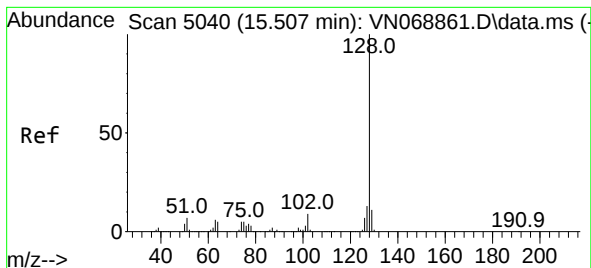
Tgt Ion: 75 Resp: 142912
Ion Ratio Lower Upper
75 100
53 0.0 75.4 113.2#
89 0.0 36.9 55.3#



#93
1,2,4-Trichlorobenzene
Concen: 2.649 ug/l
RT: 15.265 min Scan# 4950
Delta R.T. 0.000 min
Lab File: VN069111.D
Acq: 22 Oct 2021 1:41

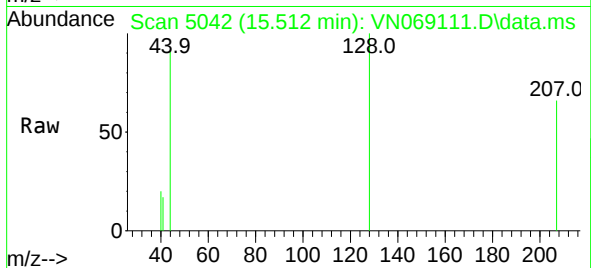
Tgt Ion:180 Resp: 188
Ion Ratio Lower Upper
180 100
182 124.5 47.9 143.7
145 0.0 16.4 49.2#



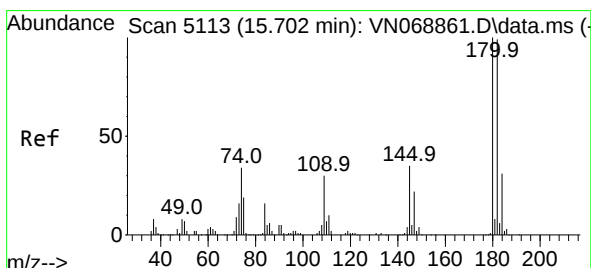
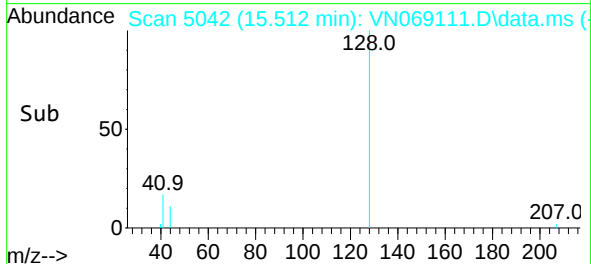
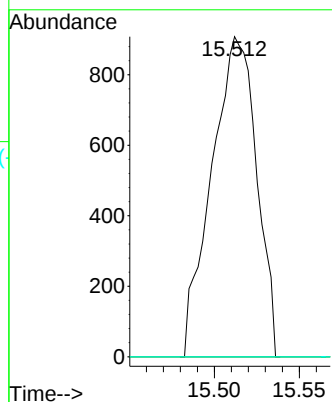


#95
Naphthalene
Concen: 3.961 ug/l
RT: 15.512 min Scan# 5042
Delta R.T. 0.005 min
Lab File: VN069111.D
Acq: 22 Oct 2021 1:41

Instrument :
MSVOA_N
ClientSampleId :



Tgt Ion:128 Resp: 1676
Ion Ratio Lower Upper
128 100
127 0.0 10.5 15.7#
129 0.0 8.9 13.3#



#96
1,2,3-Trichlorobenzene
Concen: 2.568 ug/l
RT: 15.697 min Scan# 5111
Delta R.T. -0.005 min
Lab File: VN069111.D
Acq: 22 Oct 2021 1:41

Tgt Ion:180 Resp: 204
Ion Ratio Lower Upper
180 100
182 113.7 48.1 144.3
145 0.0 17.4 52.2#

