

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN102021\
 Data File : VN069061.D
 Acq On : 20 Oct 2021 14:56
 Operator : JC/MD
 Sample : M4259-07
 Misc : 5.00mL/MSVOA_N/WATER
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :

Quant Time: Oct 20 23:14:32 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

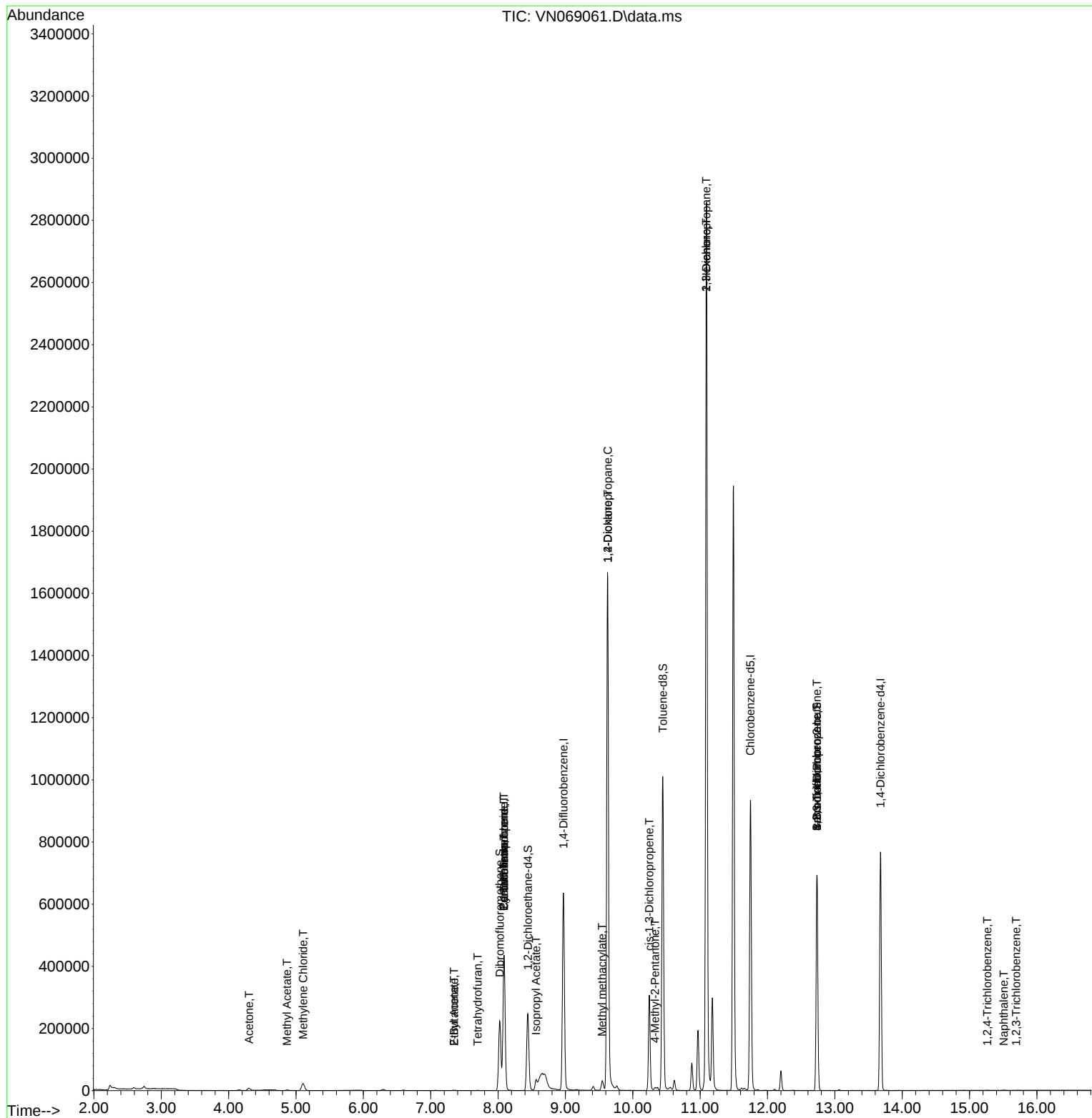
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	8.088	168	326054	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.971	114	573021	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.746	117	555751	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.678	152	206042	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.442	65	210834	49.044	ug/l	0.00
Spiked Amount	50.000	Range 61 - 141	Recovery	=	98.080%	
35) Dibromofluoromethane	8.027	113	166356	49.898	ug/l	0.00
Spiked Amount	50.000	Range 69 - 133	Recovery	=	99.800%	
50) Toluene-d8	10.446	98	718053	53.829	ug/l	0.00
Spiked Amount	50.000	Range 65 - 126	Recovery	=	107.660%	
62) 4-Bromofluorobenzene	12.733	95	252221	50.115	ug/l	0.00
Spiked Amount	50.000	Range 58 - 135	Recovery	=	100.240%	
Target Compounds						
					Qvalue	
16) Acetone	4.301	43	13341	8.316	ug/l	99
18) Methyl Acetate	4.867	43	4339	0.713	ug/l #	66
20) Methylene Chloride	5.106	84	19618	5.313	ug/l	93
25) 2-Butanone	7.345	43	3236	1.334	ug/l	92
29) Tetrahydrofuran	7.697	42	769	0.489	ug/l #	53
31) Cyclohexane	8.088	56	7686	1.150	ug/l #	10
36) 1,1-Dichloropropene	8.088	75	27003	5.517	ug/l #	49
37) Ethyl Acetate	7.345	43	3236	0.640	ug/l #	68
38) Carbon Tetrachloride	8.088	117	33554	6.242	ug/l #	16
43) Isopropyl Acetate	8.566	43	42511	4.766	ug/l #	86
45) 1,2-Dichloropropane	9.630	63	2067	0.534	ug/l #	43
48) Methyl methacrylate	9.545	41	7852	1.874	ug/l #	13
49) 1,4-Dioxane	9.630	88	88	36.673	ug/l #	1
51) 4-Methyl-2-Pentanone	10.330	43	5918	1.144	ug/l	97
54) cis-1,3-Dichloropropene	10.245	75	56783	8.807	ug/l #	61
57) 1,3-Dichloropropane	11.092	76	31249	5.013	ug/l #	42
59) 2-Hexanone	11.092	43	447443	120.645	ug/l #	50
71) Bromoform	12.733	173	1599	0.485	ug/l #	1
76) 1,2,3-Trichloropropane	12.733	75	134857	30.761	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.733	75	134857	73.595	ug/l #	12
93) 1,2,4-Trichlorobenzene	15.263	180	242	2.668	ug/l #	63
95) Naphthalene	15.507	128	1379	3.945	ug/l #	69
96) 1,2,3-Trichlorobenzene	15.692	180	52	2.529	ug/l #	83

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

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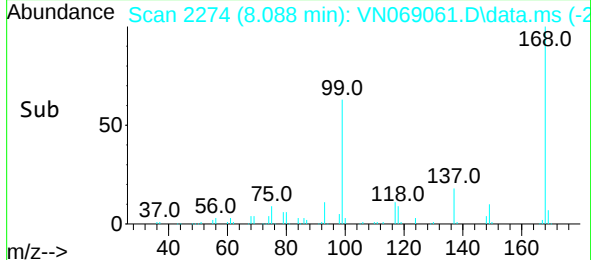
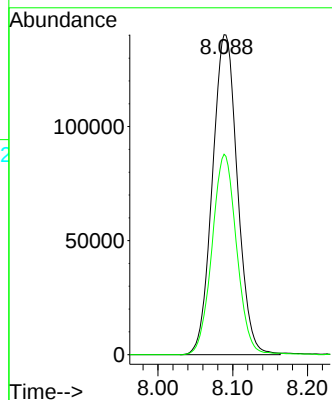
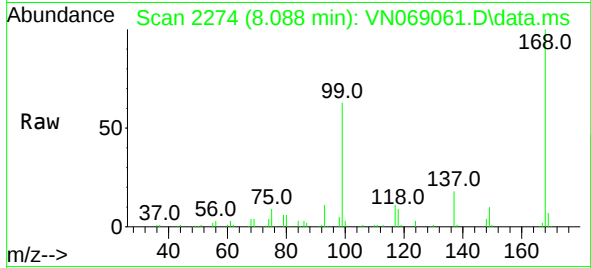




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.088 min Scan# 2274
Delta R.T. 0.002 min
Lab File: VN069061.D
Acq: 20 Oct 2021 14:56

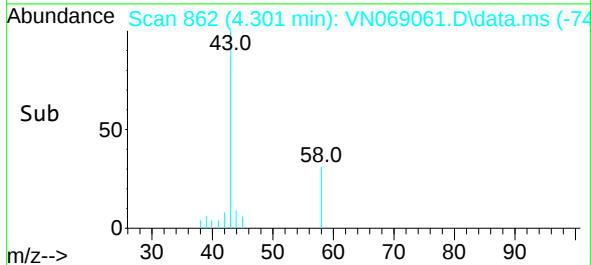
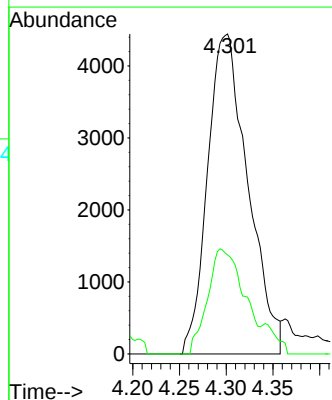
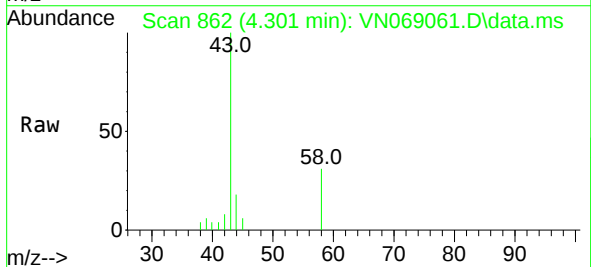
Instrument :
MSVOA_N
ClientSampled :

Tgt Ion:168 Resp: 326054
Ion Ratio Lower Upper
168 100
99 62.6 48.9 73.3



#16
Acetone
Concen: 8.316 ug/l
RT: 4.301 min Scan# 862
Delta R.T. 0.016 min
Lab File: VN069061.D
Acq: 20 Oct 2021 14:56

Tgt Ion: 43 Resp: 13341
Ion Ratio Lower Upper
43 100
58 31.0 24.5 36.7

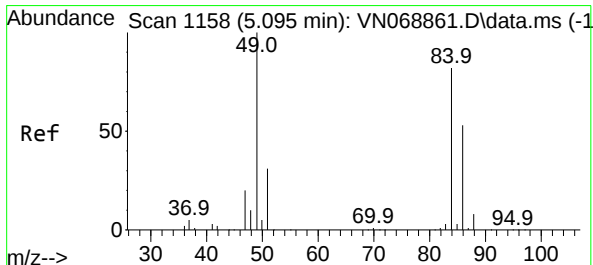
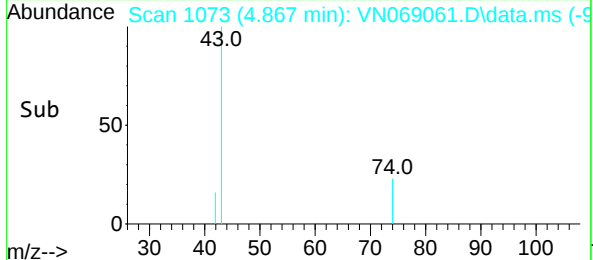
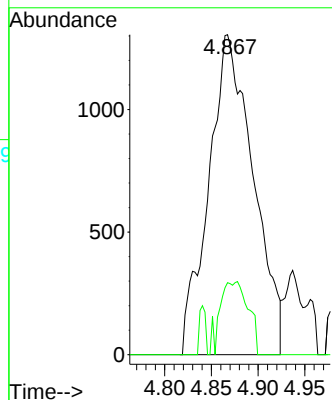
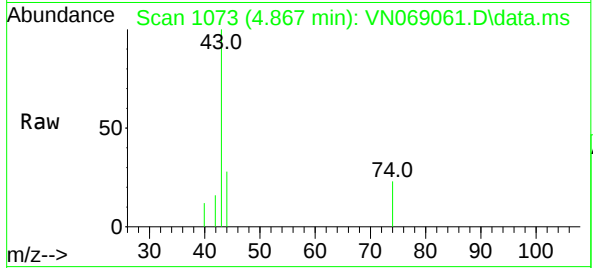




#18
Methyl Acetate
Concen: 0.713 ug/l
RT: 4.867 min Scan# 1073
Delta R.T. 0.013 min
Lab File: VN069061.D
Acq: 20 Oct 2021 14:56

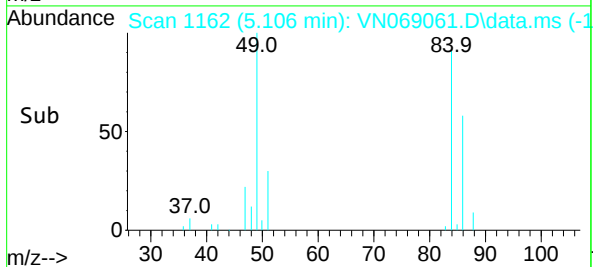
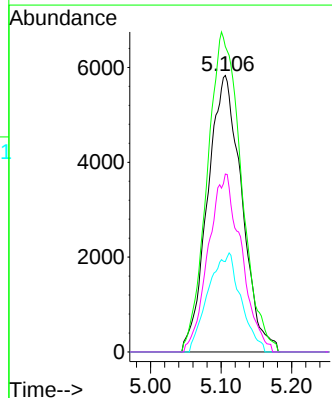
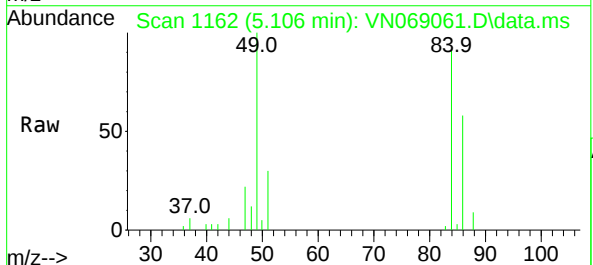
Instrument :
MSVOA_N
ClientSampled :

Tgt Ion: 43 Resp: 4339
Ion Ratio Lower Upper
43 100
74 7.0 18.9 28.3#



#20
Methylene Chloride
Concen: 5.313 ug/l
RT: 5.106 min Scan# 1162
Delta R.T. 0.011 min
Lab File: VN069061.D
Acq: 20 Oct 2021 14:56

Tgt Ion: 84 Resp: 19618
Ion Ratio Lower Upper
84 100
49 110.5 97.6 146.4
51 32.7 30.3 45.5
86 64.3 51.8 77.6

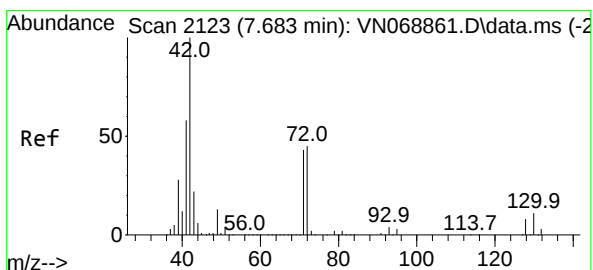
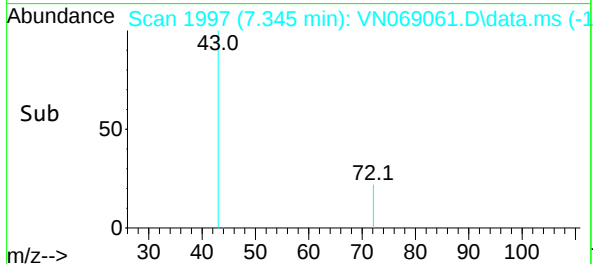
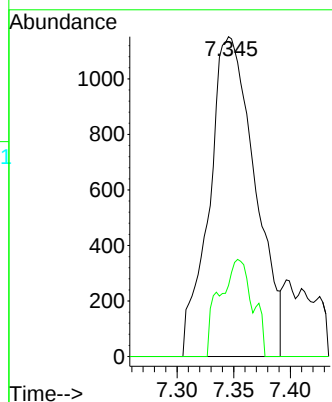
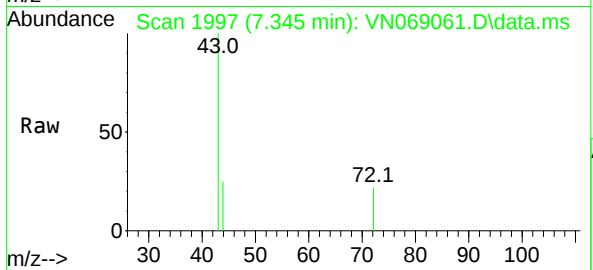




#25
2-Butanone
Concen: 1.334 ug/l
RT: 7.345 min Scan# 1997
Delta R.T. 0.013 min
Lab File: VN069061.D
Acq: 20 Oct 2021 14:56

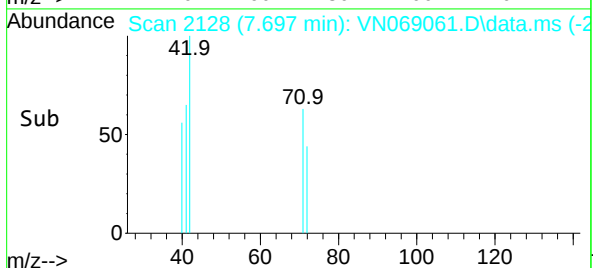
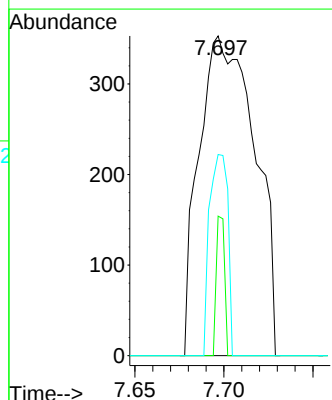
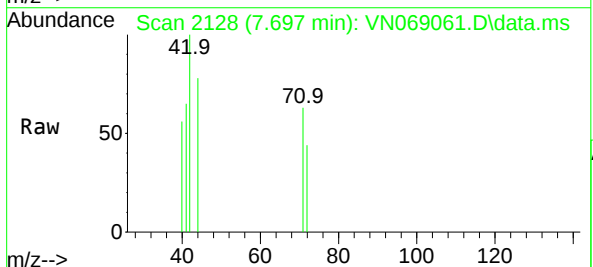
Instrument :
MSVOA_N
ClientSampled :

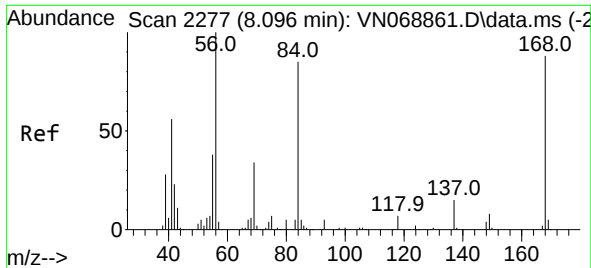
Tgt Ion: 43 Resp: 3236
Ion Ratio Lower Upper
43 100
72 22.2 21.2 31.8



#29
Tetrahydrofuran
Concen: 0.489 ug/l
RT: 7.697 min Scan# 2128
Delta R.T. 0.013 min
Lab File: VN069061.D
Acq: 20 Oct 2021 14:56

Tgt Ion: 42 Resp: 769
Ion Ratio Lower Upper
42 100
72 6.4 35.4 53.2#
71 20.5 33.8 50.6#

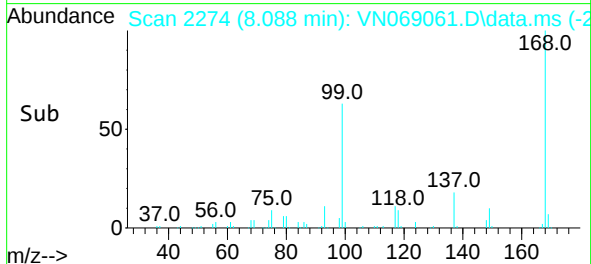
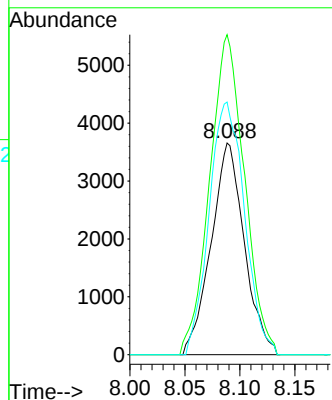
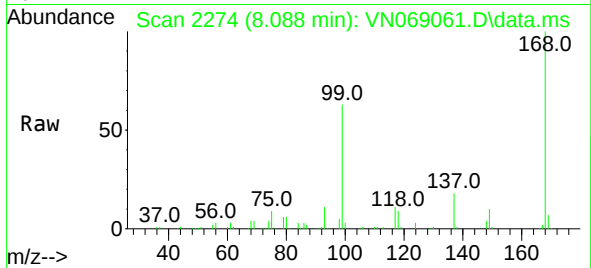




#31
Cyclohexane
Concen: 1.150 ug/l
RT: 8.088 min Scan# 2274
Delta R.T. -0.008 min
Lab File: VN069061.D
Acq: 20 Oct 2021 14:56

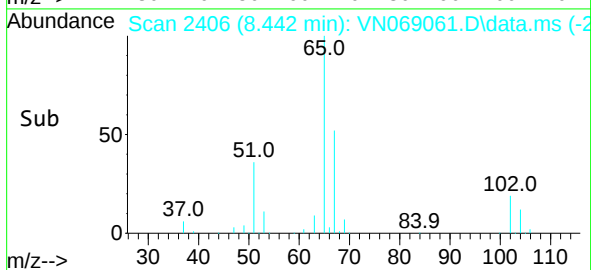
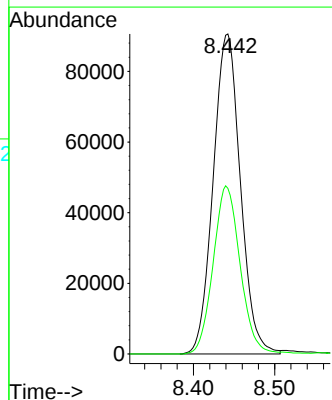
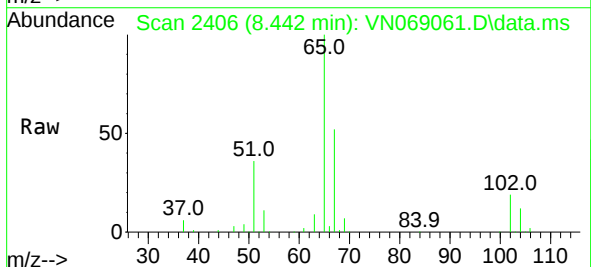
Instrument :
MSVOA_N
ClientSampleId :

Tgt Ion: 56 Resp: 7686
Ion Ratio Lower Upper
56 100
69 151.1 26.9 40.3#
84 124.8 67.6 101.4#



#33
1,2-Dichloroethane-d4
Concen: 49.044 ug/l
RT: 8.442 min Scan# 2406
Delta R.T. 0.003 min
Lab File: VN069061.D
Acq: 20 Oct 2021 14:56

Tgt Ion: 65 Resp: 210834
Ion Ratio Lower Upper
65 100
67 52.2 0.0 103.8

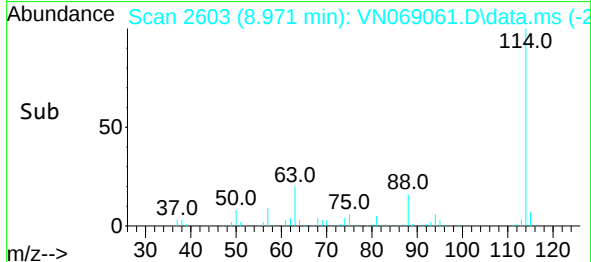
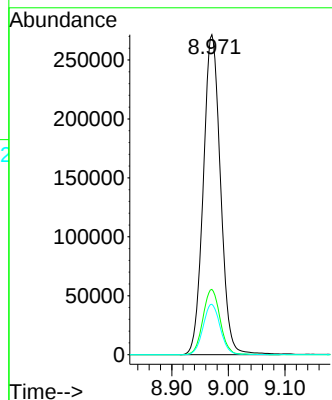
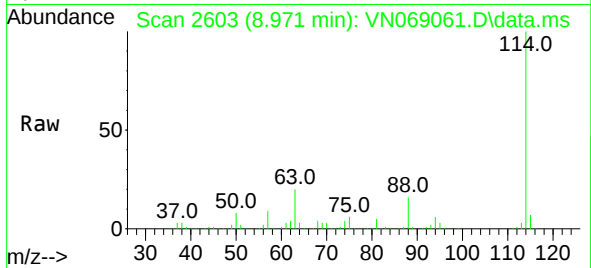




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.971 min Scan# 2603
Delta R.T. 0.003 min
Lab File: VN069061.D
Acq: 20 Oct 2021 14:56

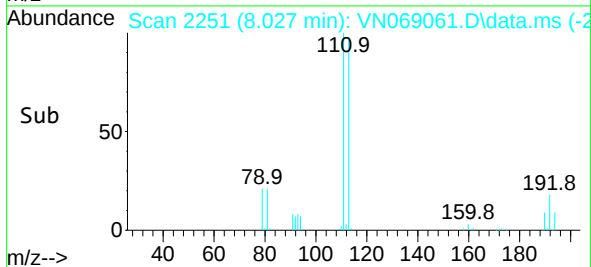
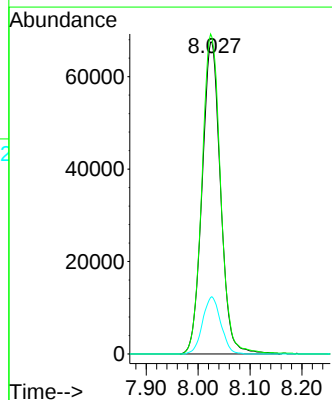
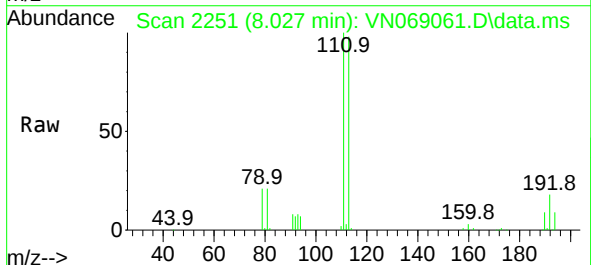
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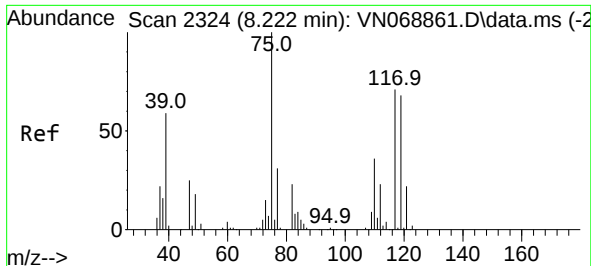
Tgt Ion:114 Resp: 573021
Ion Ratio Lower Upper
114 100
63 20.4 0.0 42.6
88 15.8 0.0 32.0



#35
Dibromofluoromethane
Concen: 49.898 ug/l
RT: 8.027 min Scan# 2251
Delta R.T. 0.005 min
Lab File: VN069061.D
Acq: 20 Oct 2021 14:56

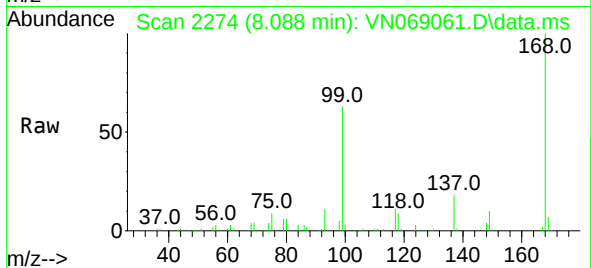
Tgt Ion:113 Resp: 166356
Ion Ratio Lower Upper
113 100
111 103.3 83.2 124.8
192 18.1 15.0 22.4



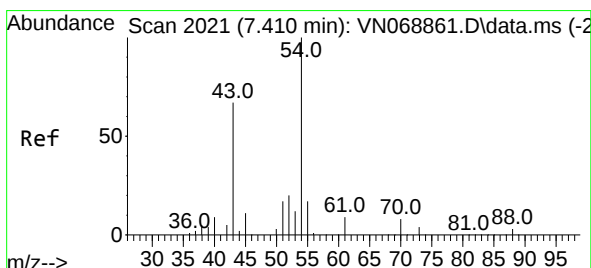
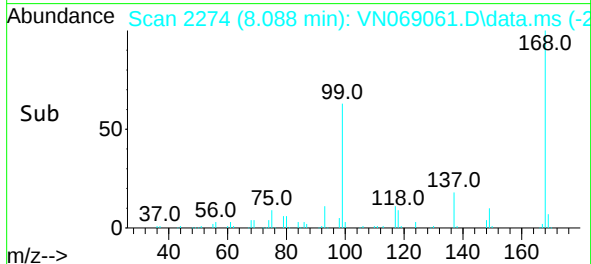
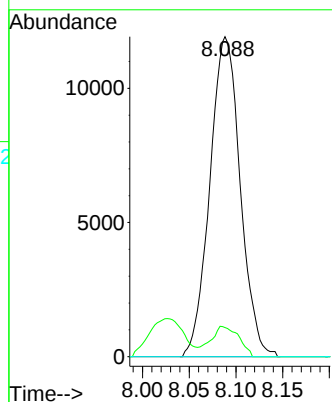


#36
1,1-Dichloropropene
Concen: 5.517 ug/l
RT: 8.088 min Scan# 2274
Delta R.T. -0.134 min
Lab File: VN069061.D
Acq: 20 Oct 2021 14:56

Instrument :
MSVOA_N
ClientSampled :

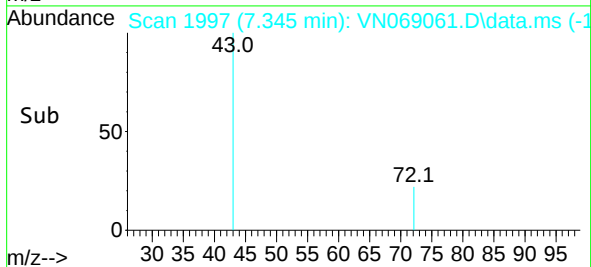
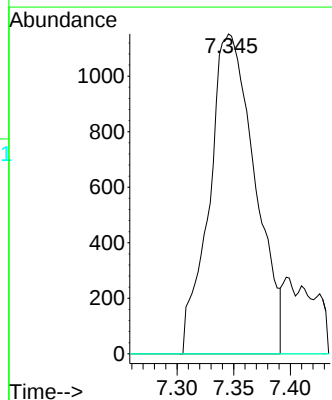
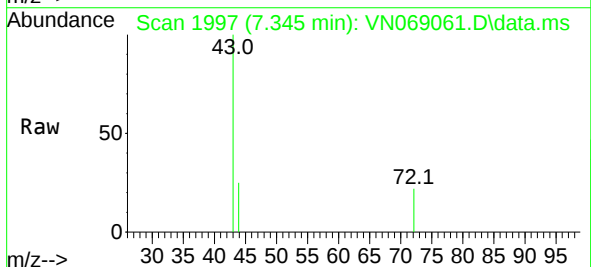


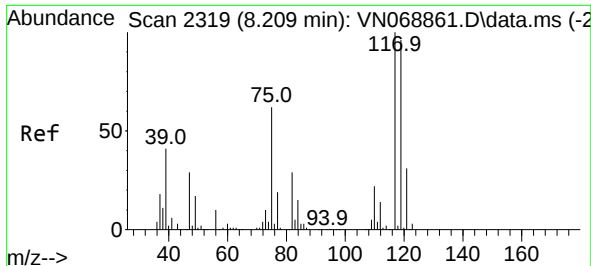
Tgt Ion: 75 Resp: 27003
Ion Ratio Lower Upper
75 100
110 8.7 17.9 53.8#
77 0.0 24.7 37.1#



#37
Ethyl Acetate
Concen: 0.640 ug/l
RT: 7.345 min Scan# 1997
Delta R.T. -0.064 min
Lab File: VN069061.D
Acq: 20 Oct 2021 14:56

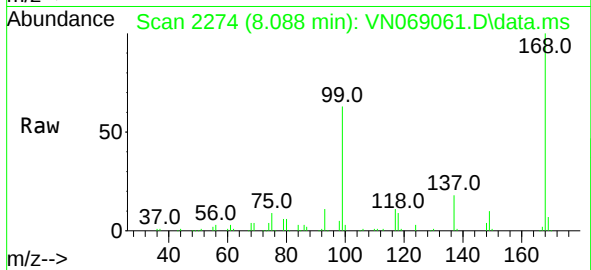
Tgt Ion: 43 Resp: 3236
Ion Ratio Lower Upper
43 100
61 0.0 11.2 16.8#
70 0.0 8.4 12.6#



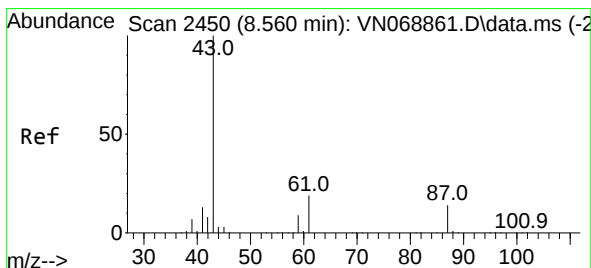
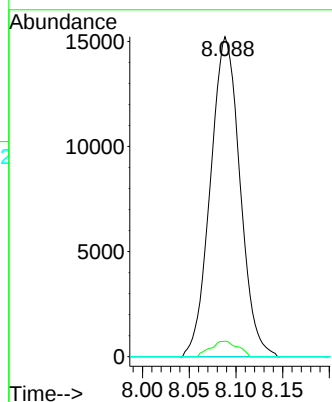
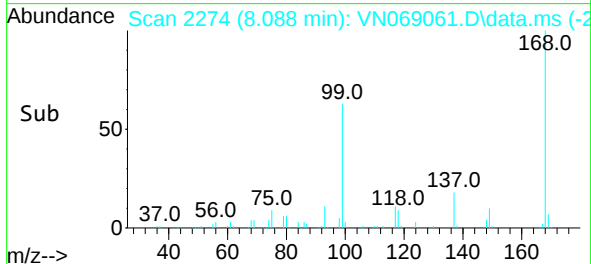


#38
Carbon Tetrachloride
Concen: 6.242 ug/l
RT: 8.088 min Scan# 2274
Delta R.T. -0.121 min
Lab File: VN069061.D
Acq: 20 Oct 2021 14:56

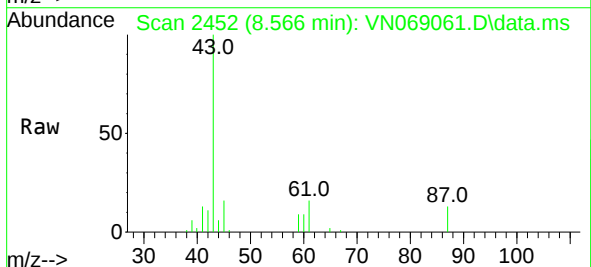
Instrument :
MSVOA_N
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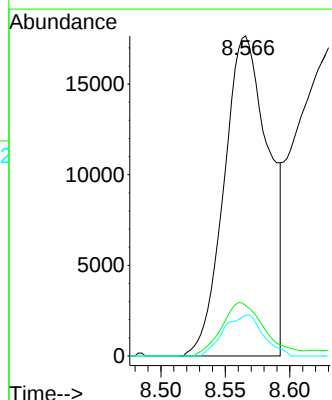
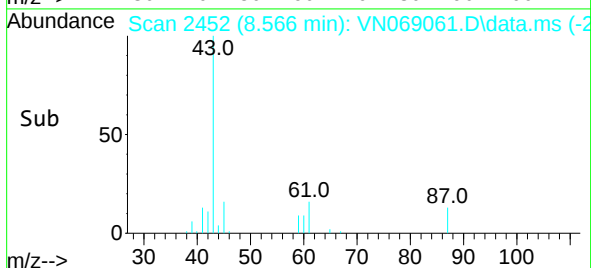
Tgt Ion:117 Resp: 33554
Ion Ratio Lower Upper
117 100
119 4.8 76.9 115.3#
121 0.0 24.6 37.0#

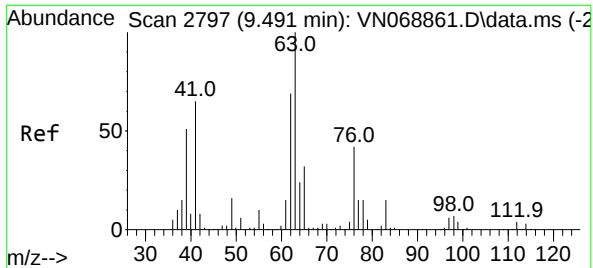


#43
Isopropyl Acetate
Concen: 4.766 ug/l
RT: 8.566 min Scan# 2452
Delta R.T. 0.005 min
Lab File: VN069061.D
Acq: 20 Oct 2021 14:56



Tgt Ion: 43 Resp: 42511
Ion Ratio Lower Upper
43 100
61 16.0 20.4 30.6#
87 11.3 10.7 16.1

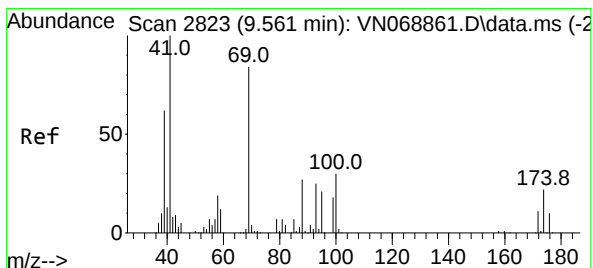
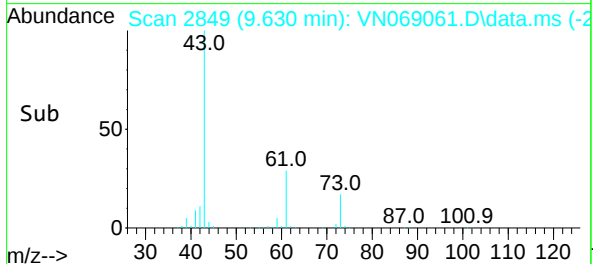
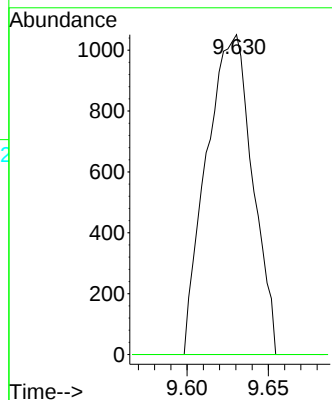
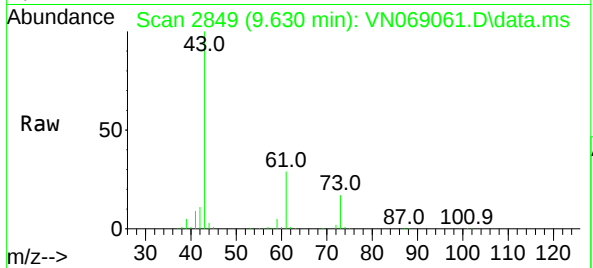




#45
1,2-Dichloropropane
Concen: 0.534 ug/l
RT: 9.630 min Scan# 2849
Delta R.T. 0.139 min
Lab File: VN069061.D
Acq: 20 Oct 2021 14:56

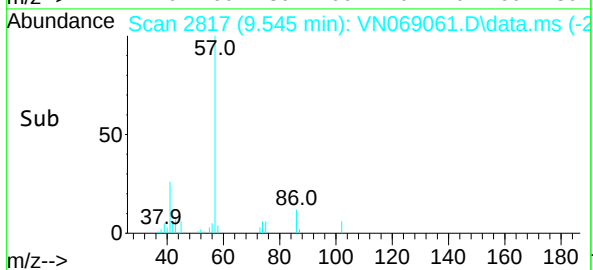
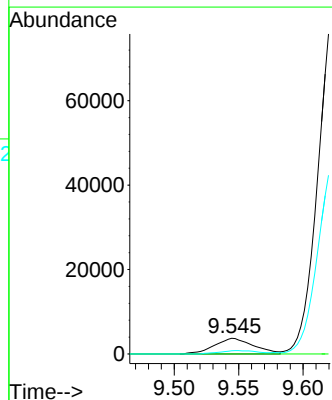
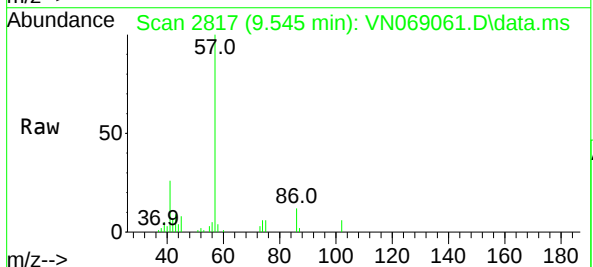
Instrument :
MSVOA_N
ClientSampled :

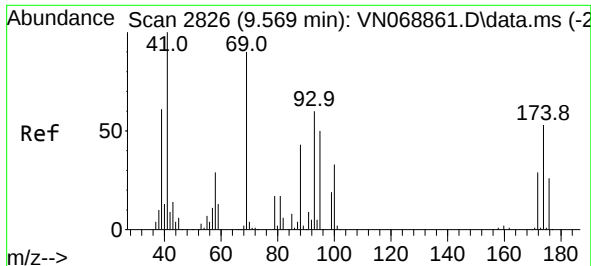
Tgt Ion: 63 Resp: 2067
Ion Ratio Lower Upper
63 100
65 0.0 25.6 38.4#



#48
Methyl methacrylate
Concen: 1.874 ug/l
RT: 9.545 min Scan# 2817
Delta R.T. -0.016 min
Lab File: VN069061.D
Acq: 20 Oct 2021 14:56

Tgt Ion: 41 Resp: 7852
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: 36.673 ug/l

RT: 9.630 min Scan# 2849

Delta R.T. 0.061 min

Lab File: VN069061.D

Acq: 20 Oct 2021 14:56

Tgt Ion: 88 Resp: 88

Ion Ratio Lower Upper

88 100

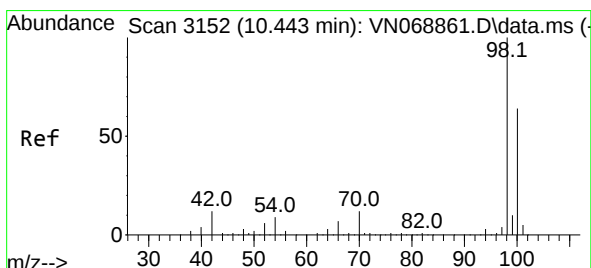
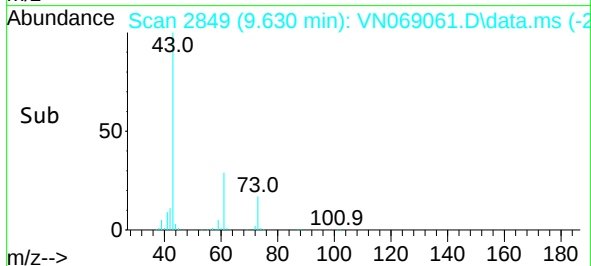
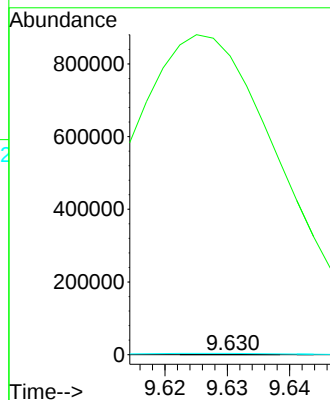
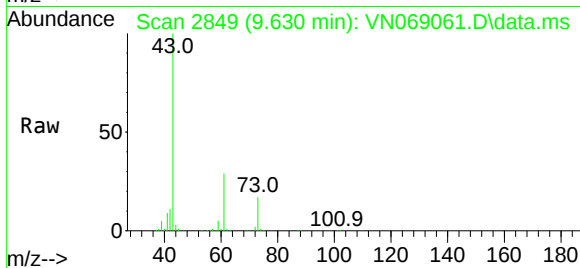
43 1946086.4 24.9 37.3#

58 7750.0 56.9 85.3#

Instrument :

MSVOA_N

ClientSampled :



#50

Toluene-d8

Concen: 53.829 ug/l

RT: 10.446 min Scan# 3153

Delta R.T. 0.003 min

Lab File: VN069061.D

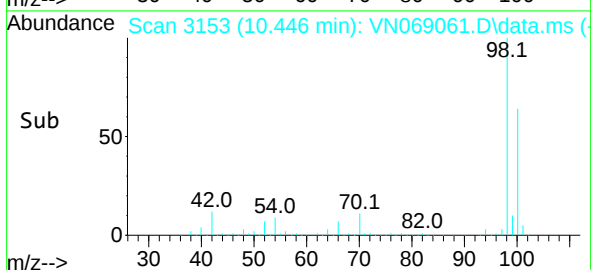
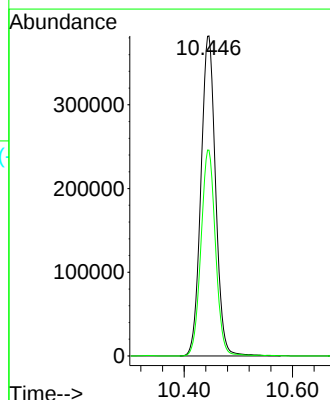
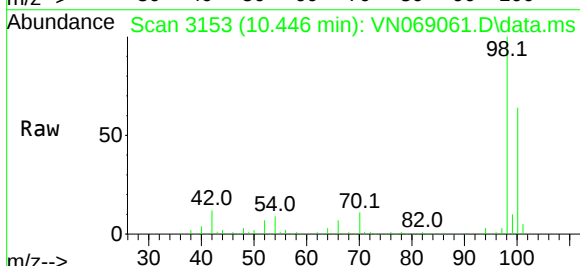
Acq: 20 Oct 2021 14:56

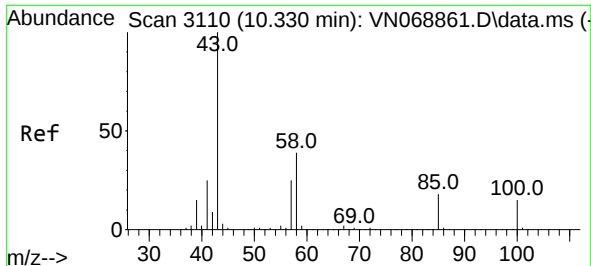
Tgt Ion: 98 Resp: 718053

Ion Ratio Lower Upper

98 100

100 63.8 51.5 77.3

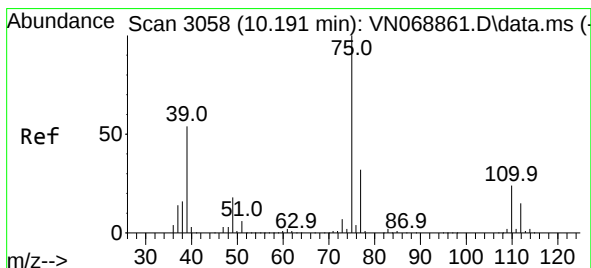
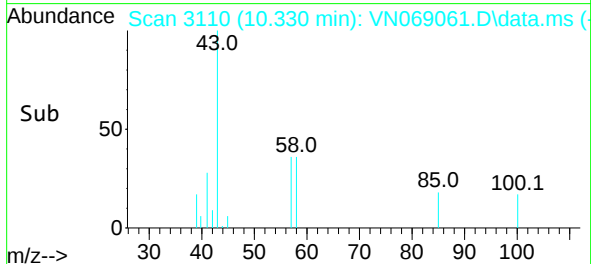
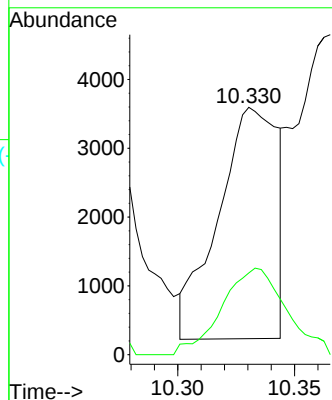
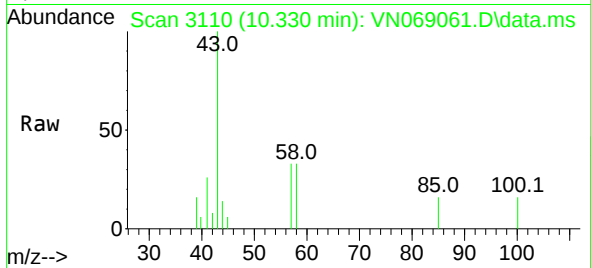




#51
4-Methyl-2-Pentanone
Concen: 1.144 ug/l
RT: 10.330 min Scan# 3110
Delta R.T. 0.000 min
Lab File: VN069061.D
Acq: 20 Oct 2021 14:56

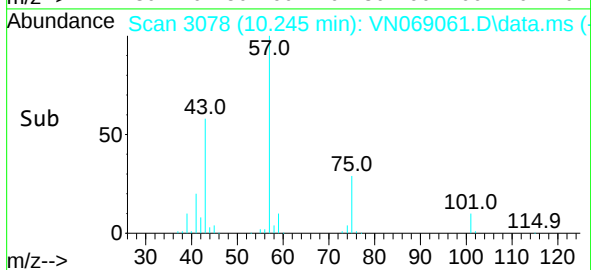
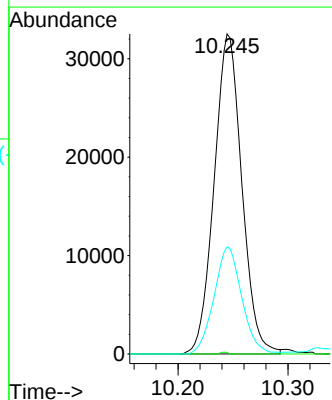
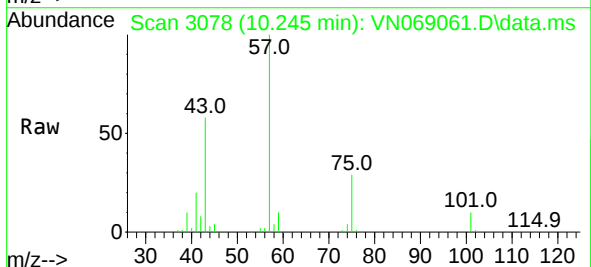
Instrument :
MSVOA_N
ClientSampled :

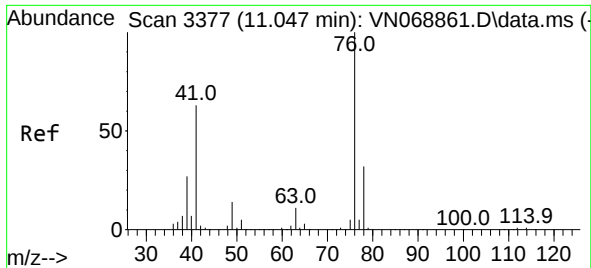
Tgt Ion: 43 Resp: 5918
Ion Ratio Lower Upper
43 100
58 40.5 31.0 46.4



#54
cis-1,3-Dichloropropene
Concen: 8.807 ug/l
RT: 10.245 min Scan# 3078
Delta R.T. 0.054 min
Lab File: VN069061.D
Acq: 20 Oct 2021 14:56

Tgt Ion: 75 Resp: 56783
Ion Ratio Lower Upper
75 100
77 0.5 25.6 38.4#
39 33.5 42.9 64.3#

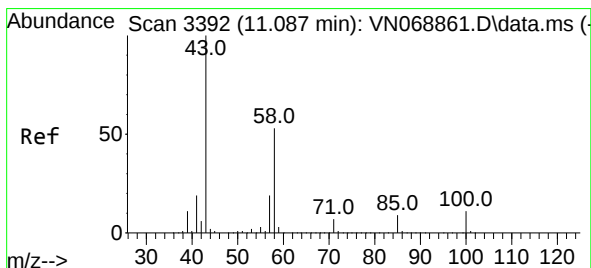
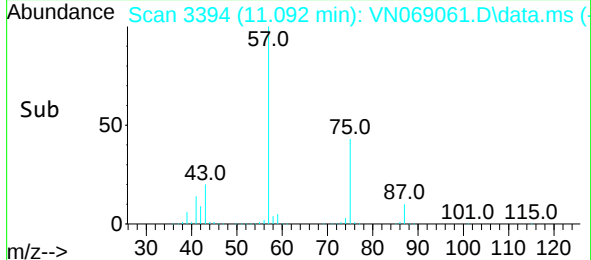
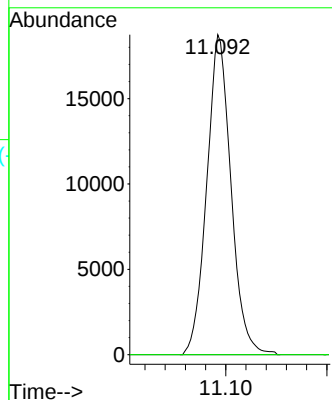
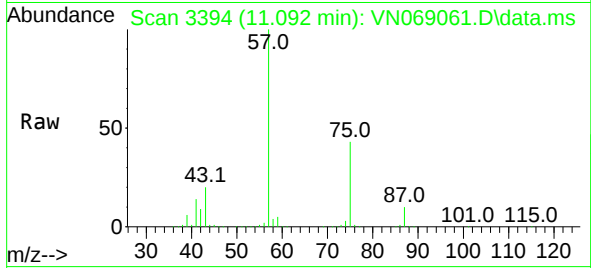




#57
1,3-Dichloropropane
Concen: 5.013 ug/l
RT: 11.092 min Scan# 3394
Delta R.T. 0.046 min
Lab File: VN069061.D
Acq: 20 Oct 2021 14:56

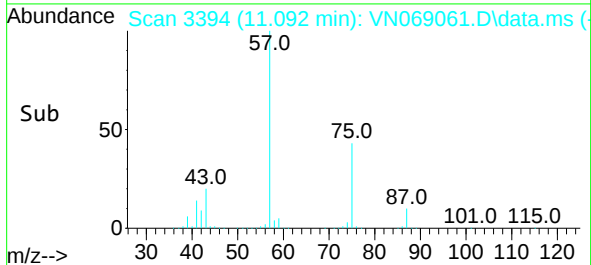
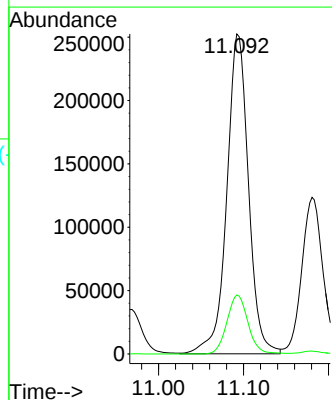
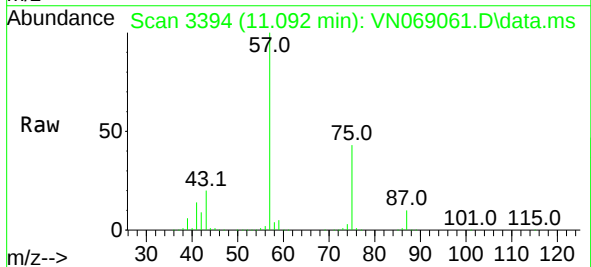
Instrument :
MSVOA_N
ClientSampled :

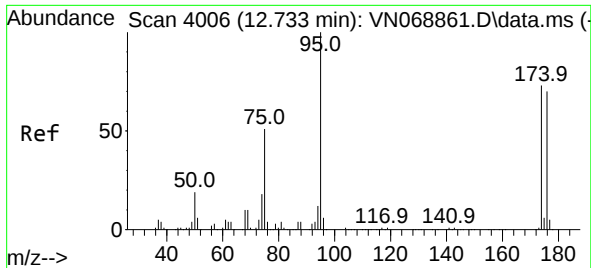
Tgt Ion: 76 Resp: 31249
Ion Ratio Lower Upper
76 100
78 0.0 25.8 38.8#



#59
2-Hexanone
Concen: 120.645 ug/l
RT: 11.092 min Scan# 3394
Delta R.T. 0.005 min
Lab File: VN069061.D
Acq: 20 Oct 2021 14:56

Tgt Ion: 43 Resp: 447443
Ion Ratio Lower Upper
43 100
58 17.9 26.9 80.7#

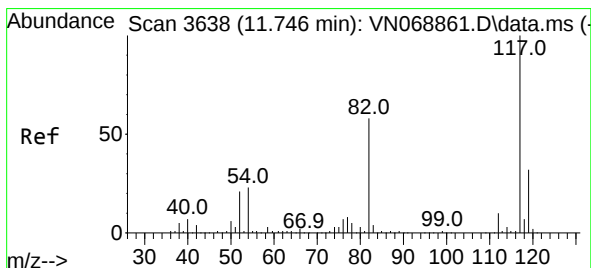
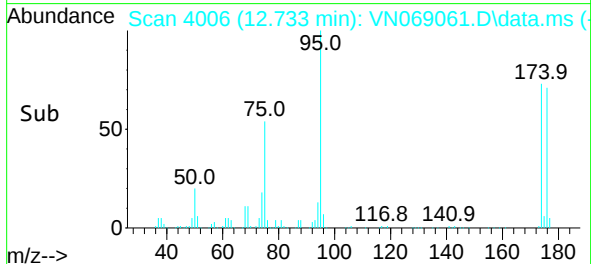
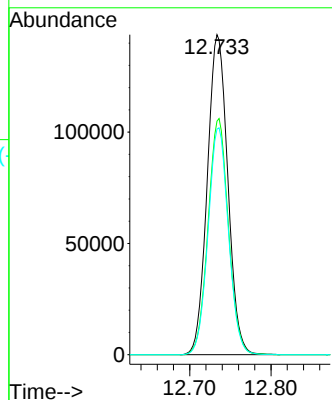
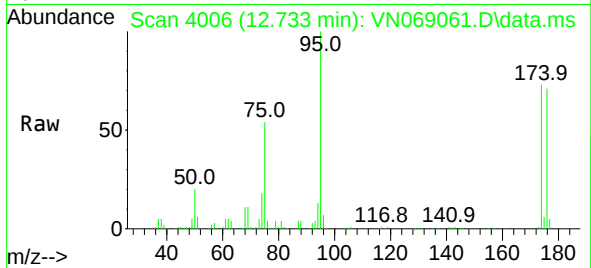




#62
4-Bromofluorobenzene
Concen: 50.115 ug/l
RT: 12.733 min Scan# 4006
Delta R.T. 0.000 min
Lab File: VN069061.D
Acq: 20 Oct 2021 14:56

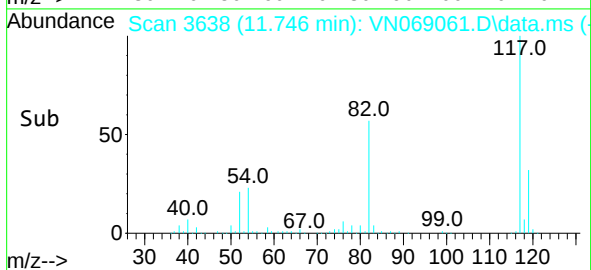
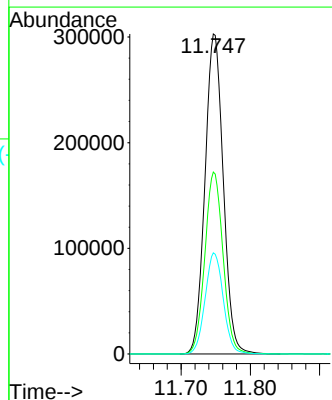
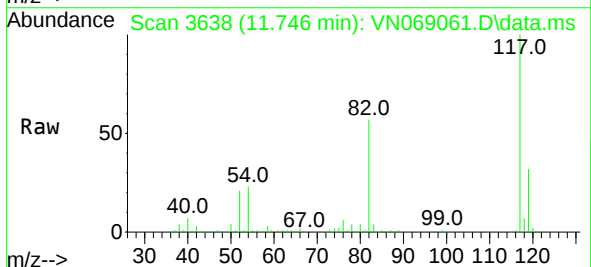
Instrument :
MSVOA_N
ClientSampleId :

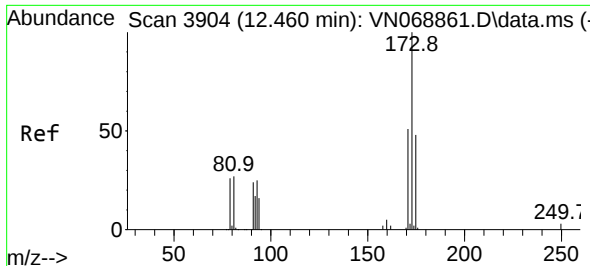
Tgt Ion: 95 Resp: 252221
Ion Ratio Lower Upper
95 100
174 73.4 0.0 144.8
176 70.3 0.0 140.0



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.746 min Scan# 3638
Delta R.T. 0.000 min
Lab File: VN069061.D
Acq: 20 Oct 2021 14:56

Tgt Ion: 117 Resp: 555751
Ion Ratio Lower Upper
117 100
82 56.9 46.4 69.6
119 31.6 26.0 39.0

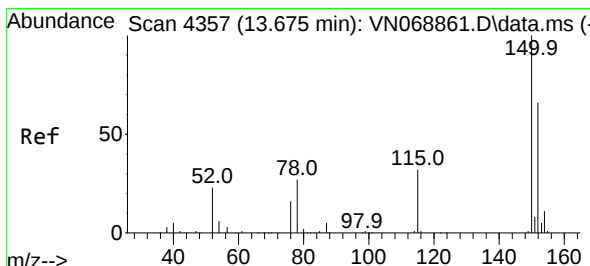
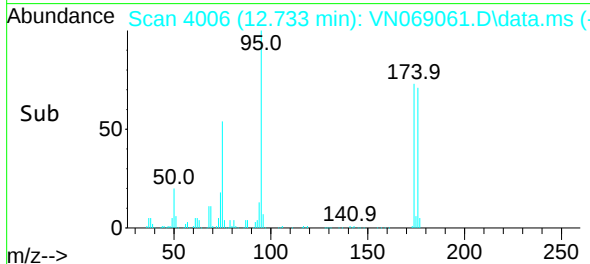
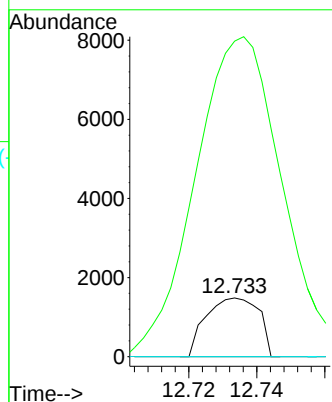
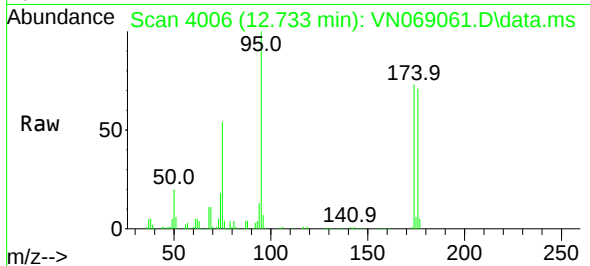




#71
Bromoform
Concen: 0.485 ug/l
RT: 12.733 min Scan# 4006
Delta R.T. 0.274 min
Lab File: VN069061.D
Acq: 20 Oct 2021 14:56

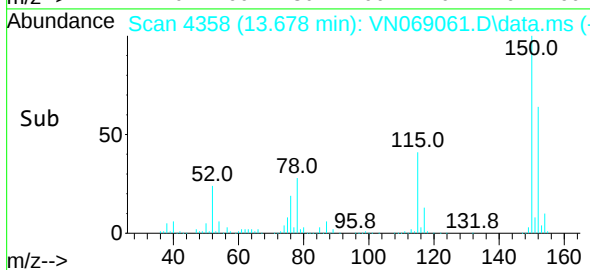
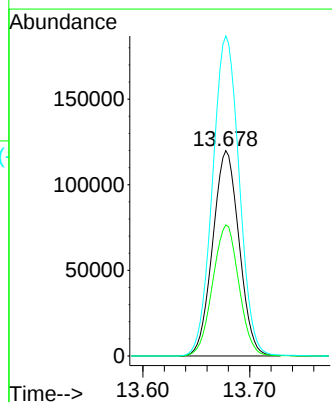
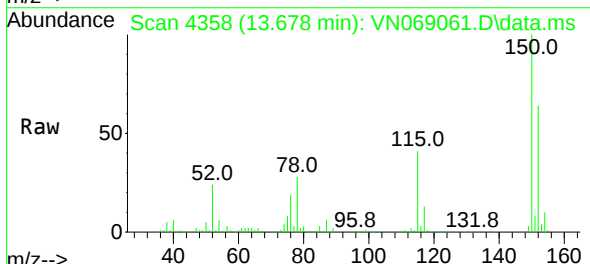
Instrument :
MSVOA_N
ClientSampled :

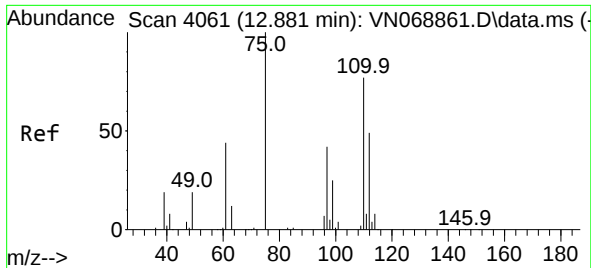
Tgt Ion:173 Resp: 1599
Ion Ratio Lower Upper
173 100
175 818.8 23.8 71.5#
254 0.0 0.0 0.0



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.678 min Scan# 4358
Delta R.T. 0.003 min
Lab File: VN069061.D
Acq: 20 Oct 2021 14:56

Tgt Ion:152 Resp: 206042
Ion Ratio Lower Upper
152 100
115 63.5 31.4 94.3
150 157.7 0.0 351.0

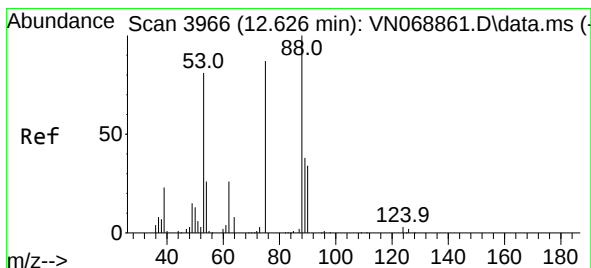
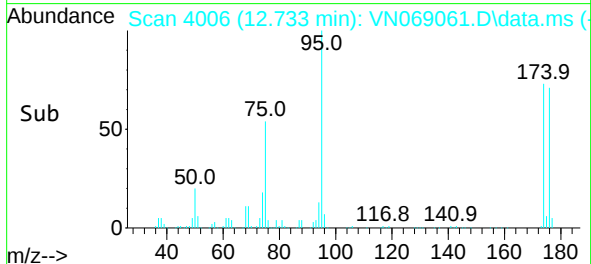
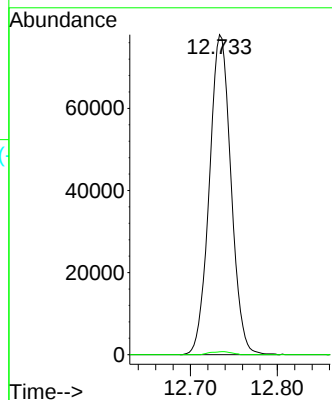
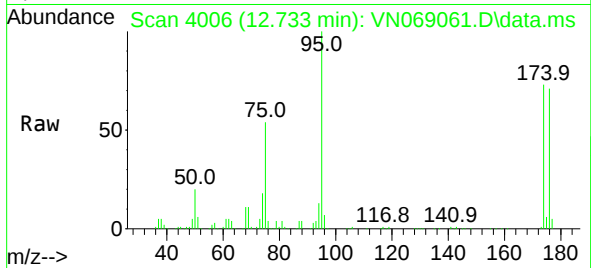




#76
1,2,3-Trichloropropane
Concen: 30.761 ug/l
RT: 12.733 min Scan# 4006
Delta R.T. -0.147 min
Lab File: VN069061.D
Acq: 20 Oct 2021 14:56

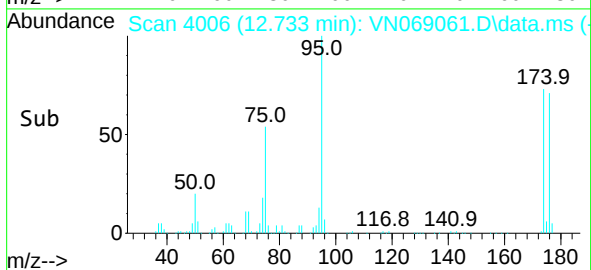
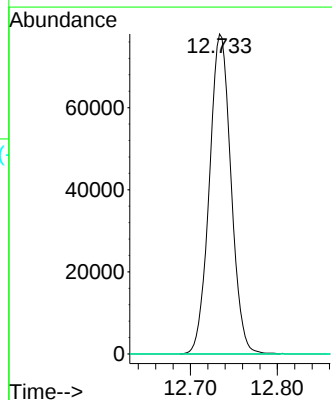
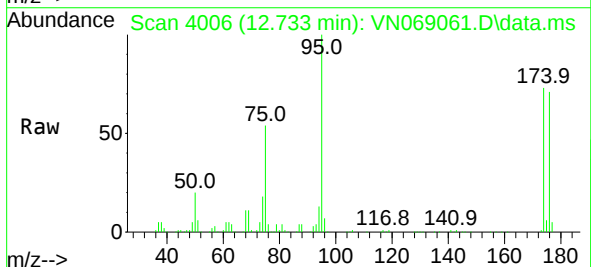
Instrument :
MSVOA_N
ClientSampled :

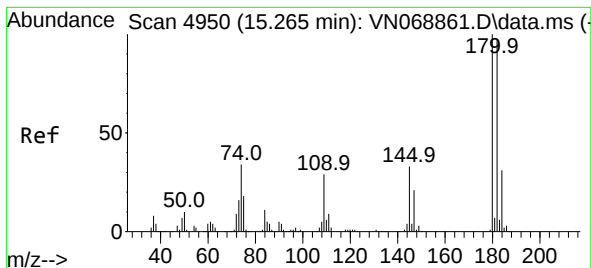
Tgt Ion: 75 Resp: 134857
Ion Ratio Lower Upper
75 100
77 0.9 96.2 288.4#



#81
trans-1,4-Dichloro-2-butene
Concen: 73.595 ug/l
RT: 12.733 min Scan# 4006
Delta R.T. 0.107 min
Lab File: VN069061.D
Acq: 20 Oct 2021 14:56

Tgt Ion: 75 Resp: 134857
Ion Ratio Lower Upper
75 100
53 0.0 75.4 113.2#
89 0.0 36.9 55.3#

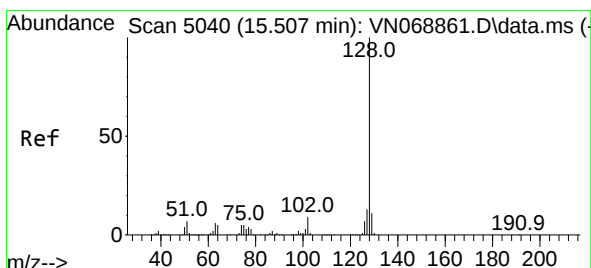
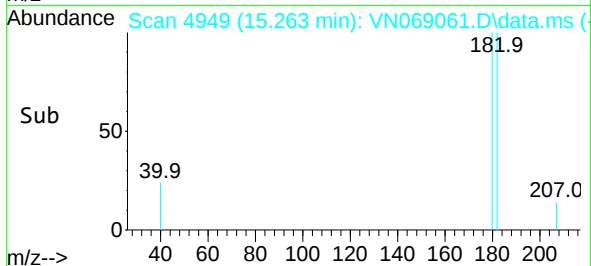
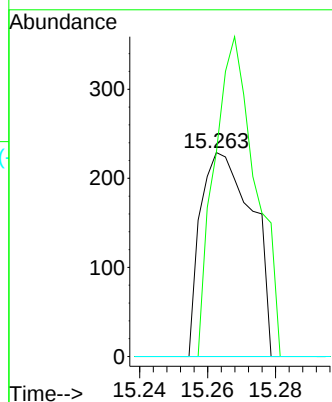
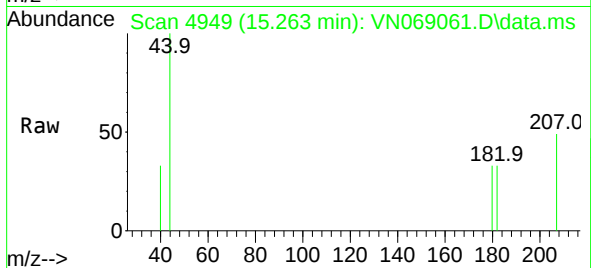




#93
1,2,4-Trichlorobenzene
Concen: 2.668 ug/l
RT: 15.263 min Scan# 4949
Delta R.T. -0.002 min
Lab File: VN069061.D
Acq: 20 Oct 2021 14:56

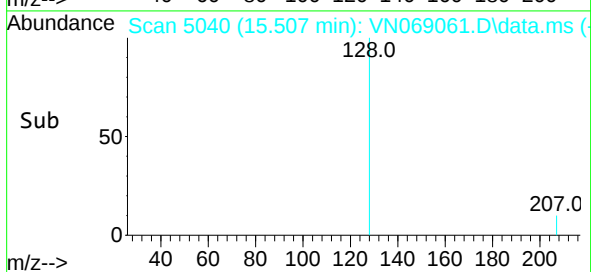
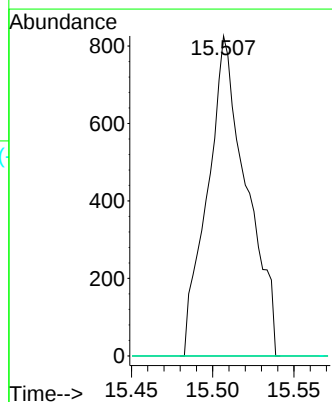
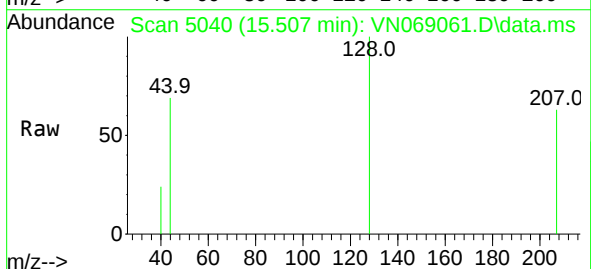
Instrument :
MSVOA_N
ClientSampleId :

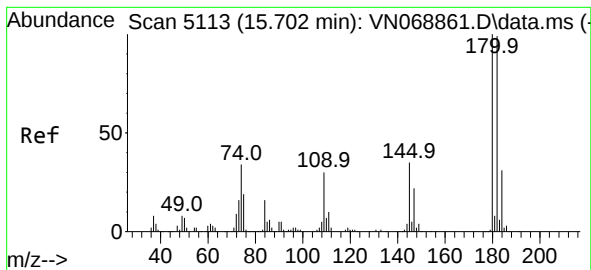
Tgt Ion:180 Resp: 242
Ion Ratio Lower Upper
180 100
182 125.2 47.9 143.7
145 0.0 16.4 49.2#



#95
Naphthalene
Concen: 3.945 ug/l
RT: 15.507 min Scan# 5040
Delta R.T. -0.000 min
Lab File: VN069061.D
Acq: 20 Oct 2021 14:56

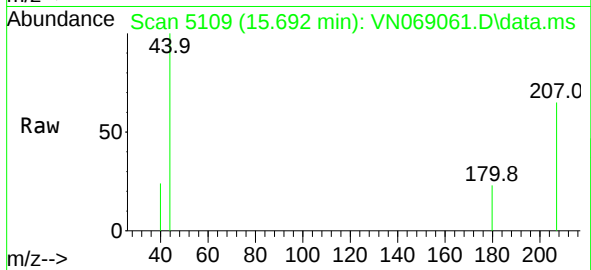
Tgt Ion:128 Resp: 1379
Ion Ratio Lower Upper
128 100
127 0.0 10.5 15.7#
129 0.0 8.9 13.3#





#96
 1,2,3-Trichlorobenzene
 Concen: 2.529 ug/l
 RT: 15.692 min Scan# 5109
 Delta R.T. -0.010 min
 Lab File: VN069061.D
 Acq: 20 Oct 2021 14:56

Instrument :
 MSVOA_N
 ClientSampleId :



Tgt Ion:180 Resp: 52
 Ion Ratio Lower Upper
 180 100
 182 98.1 48.1 144.3
 145 0.0 17.4 52.2#

