

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN101921\
 Data File : VN069038.D
 Acq On : 19 Oct 2021 20:20
 Operator : JC/MD
 Sample : M4222-01
 Misc : 5.00mL/MSVOA_N/WATER
 ALS Vial : 21 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :

Quant Time: Oct 20 05:50:36 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)

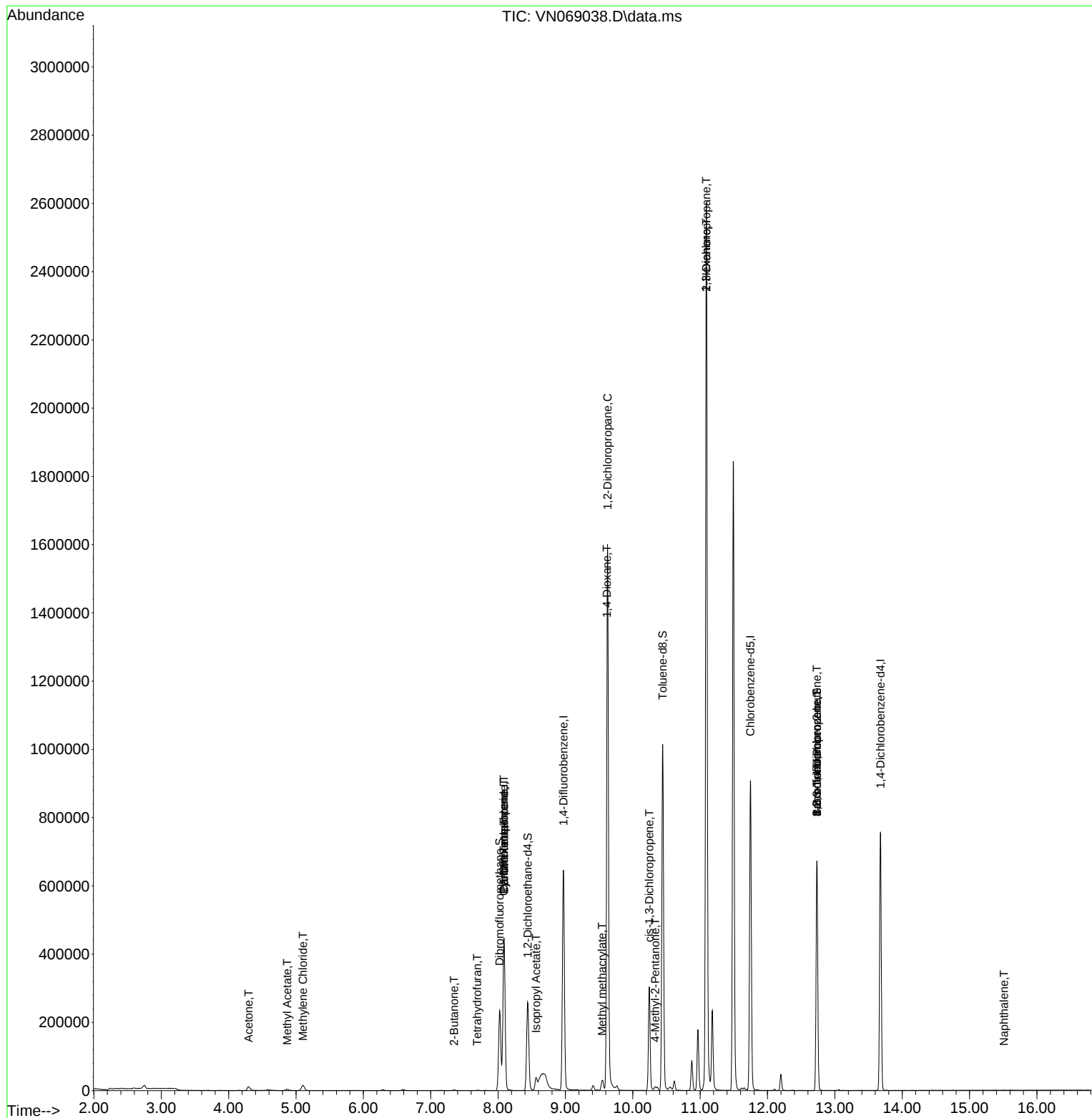
Internal Standards						
1) Pentafluorobenzene	8.088	168	333249	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.971	114	579115	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.747	117	538229	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.678	152	202287	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.440	65	218185	49.658	ug/l	0.00
Spiked Amount 50.000	Range 61 - 141		Recovery =	99.320%		
35) Dibromofluoromethane	8.024	113	171546	50.914	ug/l	0.00
Spiked Amount 50.000	Range 69 - 133		Recovery =	101.820%		
50) Toluene-d8	10.443	98	717922	53.253	ug/l	0.00
Spiked Amount 50.000	Range 65 - 126		Recovery =	106.500%		
62) 4-Bromofluorobenzene	12.733	95	242579	47.692	ug/l	0.00
Spiked Amount 50.000	Range 58 - 135		Recovery =	95.380%		
Target Compounds					Qvalue	
16) Acetone	4.296	43	21559	13.148	ug/l	99
18) Methyl Acetate	4.870	43	7820	1.257	ug/l	91
20) Methylene Chloride	5.103	84	13012	3.448	ug/l	98
25) 2-Butanone	7.348	43	3589	1.447	ug/l	98
29) Tetrahydrofuran	7.691	42	363	0.226	ug/l #	68
31) Cyclohexane	8.086	56	7811	1.143	ug/l #	15
36) 1,1-Dichloropropene	8.088	75	27420	5.543	ug/l #	49
38) Carbon Tetrachloride	8.088	117	33870	6.235	ug/l #	15
43) Isopropyl Acetate	8.563	43	43251	4.798	ug/l #	85
45) 1,2-Dichloropropane	9.628	63	2138	0.547	ug/l #	43
48) Methyl methacrylate	9.545	41	7920	1.870	ug/l #	13
49) 1,4-Dioxane	9.617	88	136	37.222	ug/l #	1
51) 4-Methyl-2-Pentanone	10.333	43	5240	1.003	ug/l #	81
54) cis-1,3-Dichloropropene	10.245	75	57636	8.845	ug/l #	60
57) 1,3-Dichloropropane	11.092	76	28754	4.564	ug/l #	42
59) 2-Hexanone	11.092	43	405582	108.207	ug/l #	51
71) Bromoform	12.733	173	1096	0.343	ug/l #	1
76) 1,2,3-Trichloropropane	12.733	75	128795	29.924	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.733	75	128795	71.591	ug/l #	12
95) Naphthalene	15.509	128	346	3.846	ug/l #	69

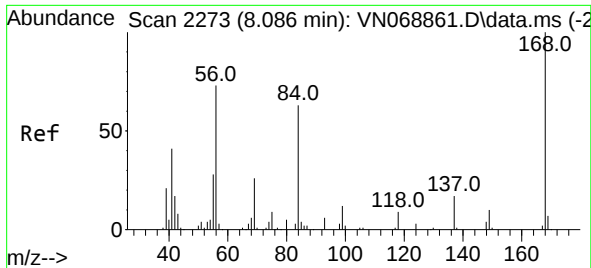
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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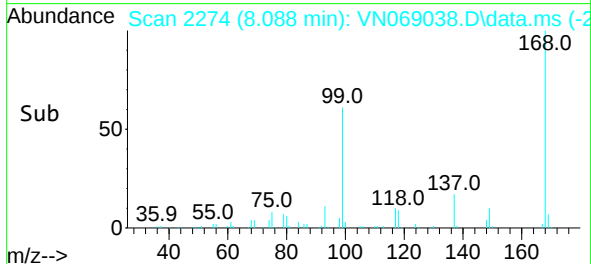
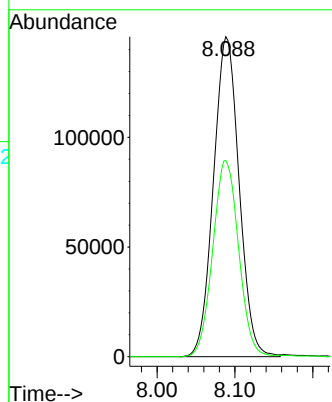
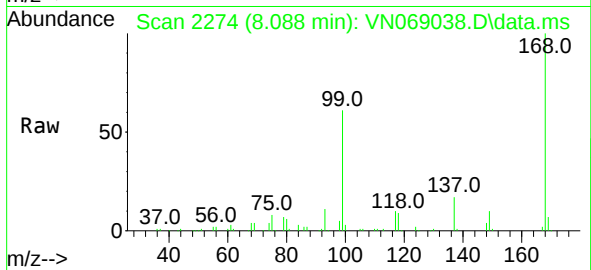




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.088 min Scan# 2274
Delta R.T. 0.002 min
Lab File: VN069038.D
Acq: 19 Oct 2021 20:20

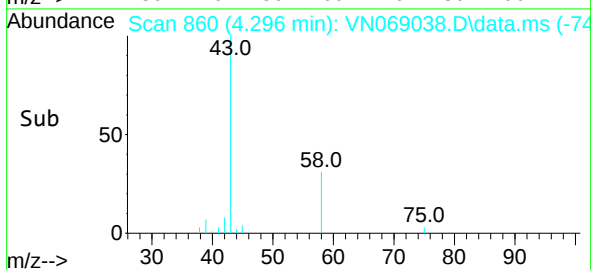
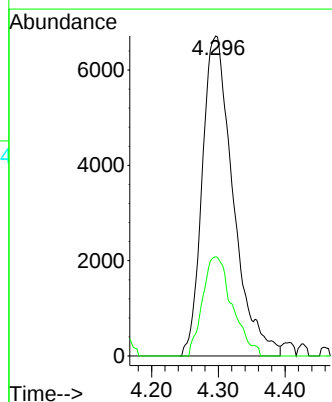
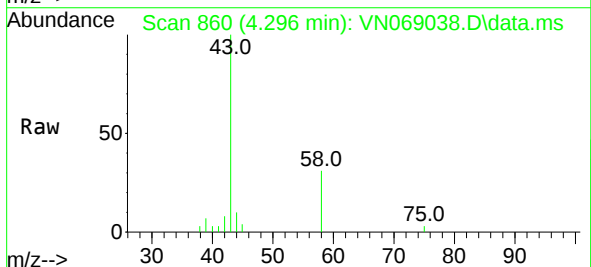
Instrument :
MSVOA_N
ClientSampled :

Tgt Ion:168 Resp: 333249
Ion Ratio Lower Upper
168 100
99 61.4 48.9 73.3



#16
Acetone
Concen: 13.148 ug/l
RT: 4.296 min Scan# 860
Delta R.T. 0.011 min
Lab File: VN069038.D
Acq: 19 Oct 2021 20:20

Tgt Ion: 43 Resp: 21559
Ion Ratio Lower Upper
43 100
58 31.0 24.5 36.7

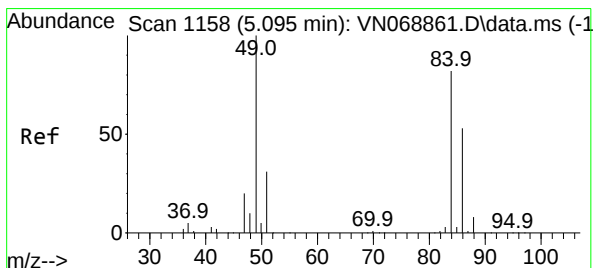
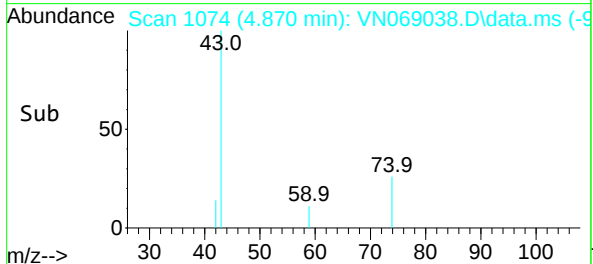
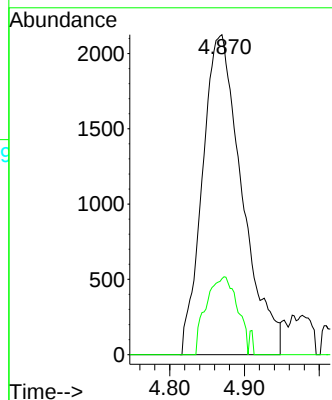
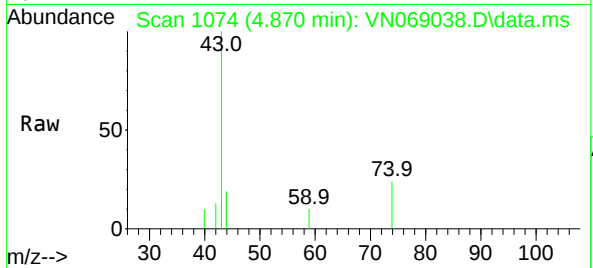




#18
Methyl Acetate
Concen: 1.257 ug/l
RT: 4.870 min Scan# 1074
Delta R.T. 0.016 min
Lab File: VN069038.D
Acq: 19 Oct 2021 20:20

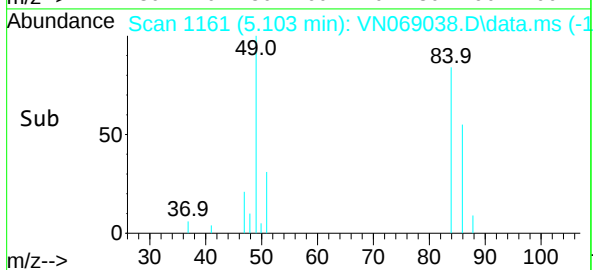
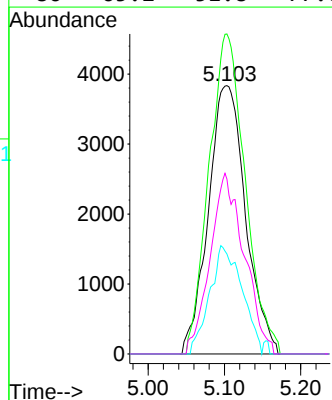
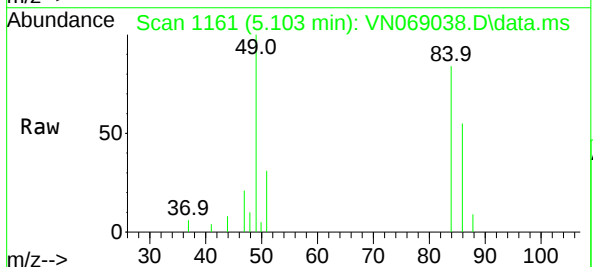
Instrument :
MSVOA_N
ClientSampled :

Tgt Ion: 43 Resp: 7820
Ion Ratio Lower Upper
43 100
74 19.0 18.9 28.3



#20
Methylene Chloride
Concen: 3.448 ug/l
RT: 5.103 min Scan# 1161
Delta R.T. 0.008 min
Lab File: VN069038.D
Acq: 19 Oct 2021 20:20

Tgt Ion: 84 Resp: 13012
Ion Ratio Lower Upper
84 100
49 119.2 97.6 146.4
51 37.3 30.3 45.5
86 65.2 51.8 77.6

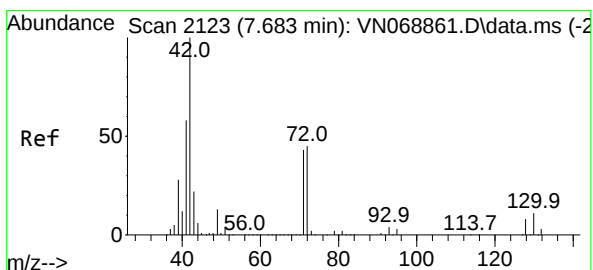
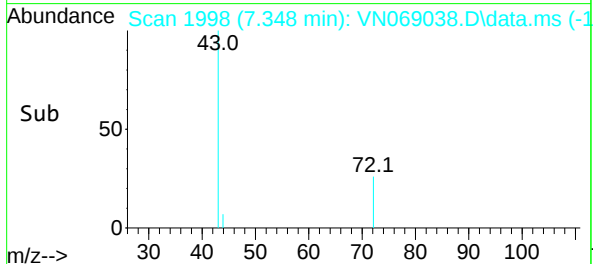
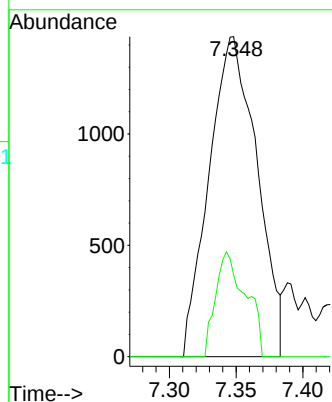
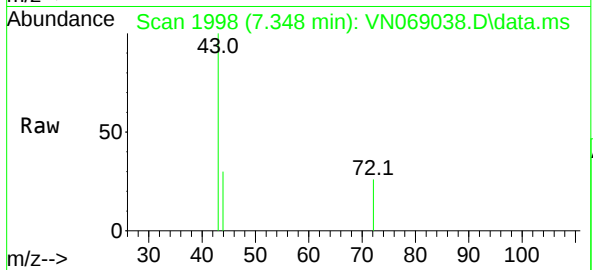




#25
2-Butanone
Concen: 1.447 ug/l
RT: 7.348 min Scan# 1998
Delta R.T. 0.016 min
Lab File: VN069038.D
Acq: 19 Oct 2021 20:20

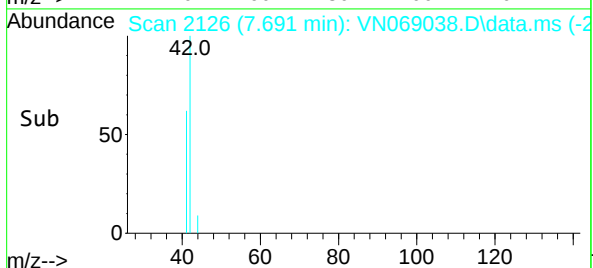
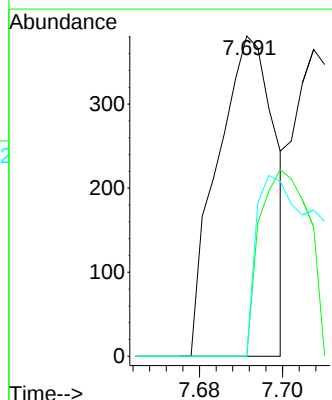
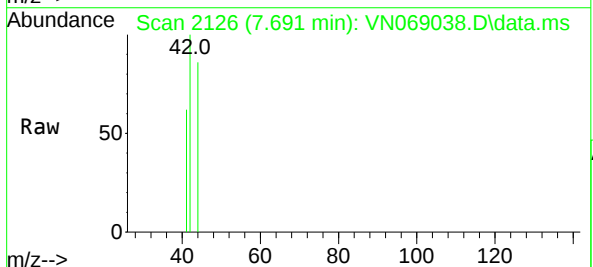
Instrument :
MSVOA_N
ClientSampled :

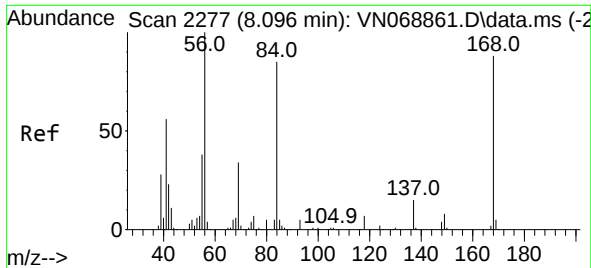
Tgt Ion: 43 Resp: 3589
Ion Ratio Lower Upper
43 100
72 25.6 21.2 31.8



#29
Tetrahydrofuran
Concen: 0.226 ug/l
RT: 7.691 min Scan# 2126
Delta R.T. 0.008 min
Lab File: VN069038.D
Acq: 19 Oct 2021 20:20

Tgt Ion: 42 Resp: 363
Ion Ratio Lower Upper
42 100
72 50.1 35.4 53.2
71 78.0 33.8 50.6#

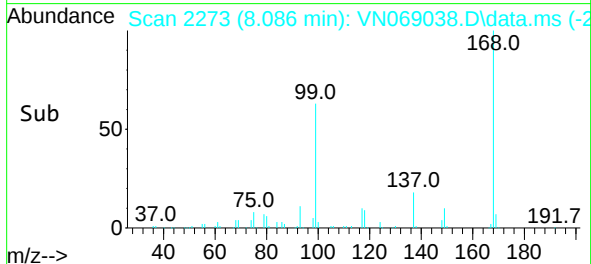
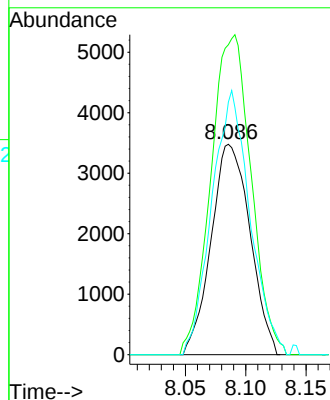
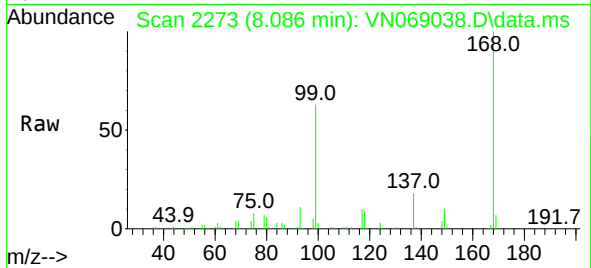




#31
Cyclohexane
Concen: 1.143 ug/l
RT: 8.086 min Scan# 2273
Delta R.T. -0.010 min
Lab File: VN069038.D
Acq: 19 Oct 2021 20:20

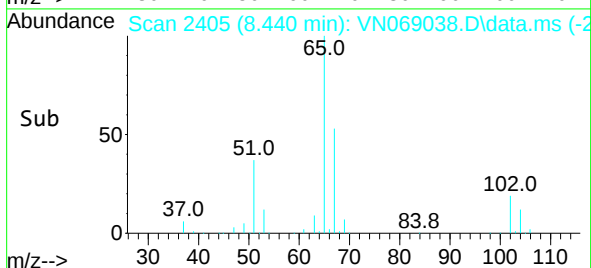
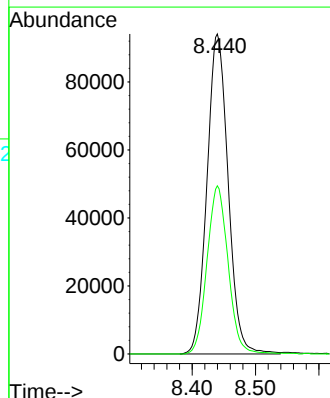
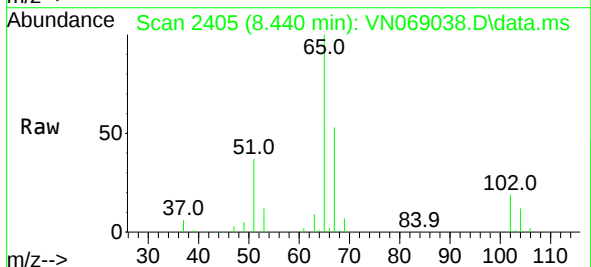
Instrument :
MSVOA_N
ClientSampleId :

Tgt Ion:	56	Resp:	7811
Ion	Ratio	Lower	Upper
56	100		
69	147.3	26.9	40.3#
84	120.0	67.6	101.4#



#33
1,2-Dichloroethane-d4
Concen: 49.658 ug/l
RT: 8.440 min Scan# 2405
Delta R.T. 0.000 min
Lab File: VN069038.D
Acq: 19 Oct 2021 20:20

Tgt Ion:	65	Resp:	218185
Ion	Ratio	Lower	Upper
65	100		
67	52.0	0.0	103.8

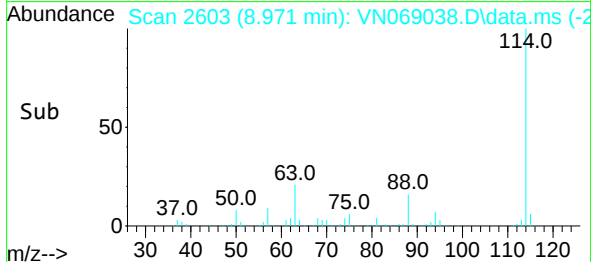
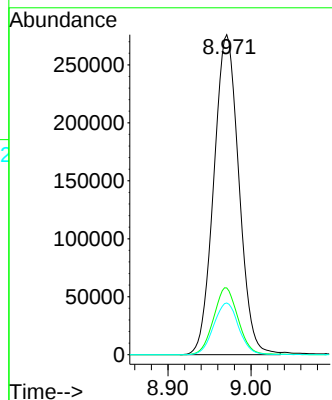
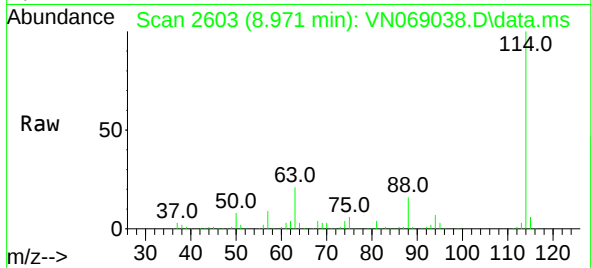




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.971 min Scan# 2603
Delta R.T. 0.003 min
Lab File: VN069038.D
Acq: 19 Oct 2021 20:20

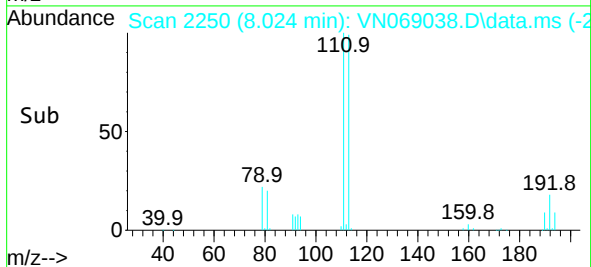
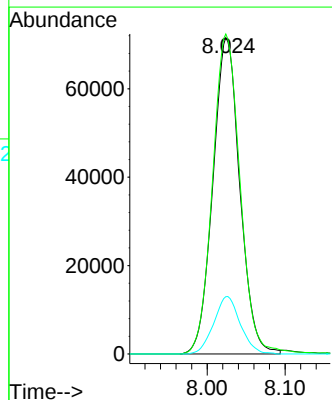
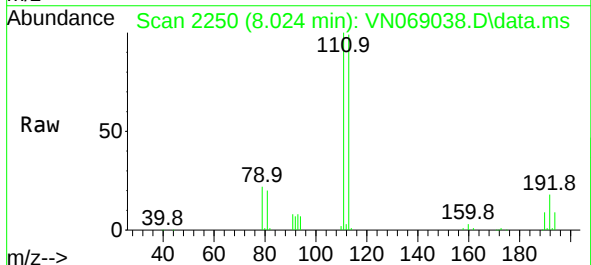
Instrument :
MSVOA_N
ClientSampled :

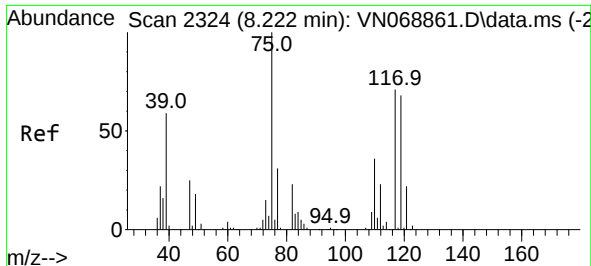
Tgt Ion:114 Resp: 579115
Ion Ratio Lower Upper
114 100
63 20.9 0.0 42.6
88 16.2 0.0 32.0



#35
Dibromofluoromethane
Concen: 50.914 ug/l
RT: 8.024 min Scan# 2250
Delta R.T. 0.003 min
Lab File: VN069038.D
Acq: 19 Oct 2021 20:20

Tgt Ion:113 Resp: 171546
Ion Ratio Lower Upper
113 100
111 103.4 83.2 124.8
192 18.0 15.0 22.4





#36

1,1-Dichloropropene

Concen: 5.543 ug/l

RT: 8.088 min Scan# 2274

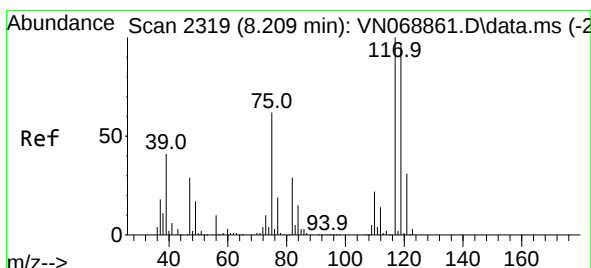
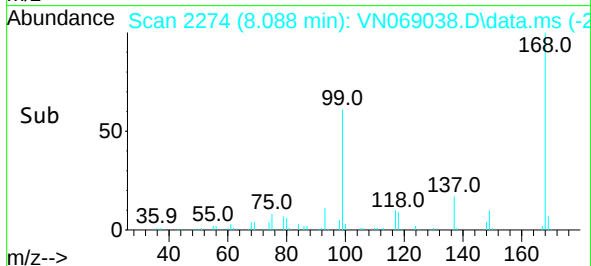
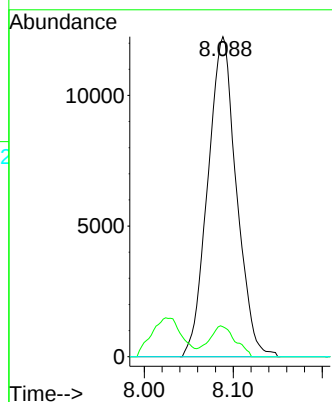
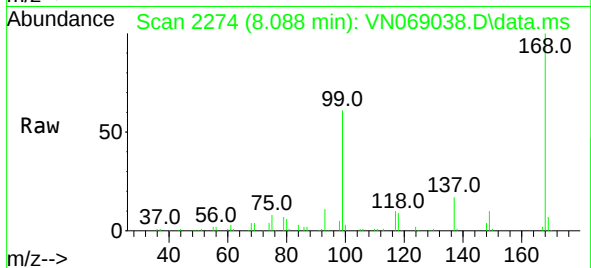
Delta R.T. -0.134 min

Lab File: VN069038.D

Acq: 19 Oct 2021 20:20

Tgt Ion:	75	Resp:	27420
Ion Ratio	Lower	Upper	
75	100		
110	8.8	17.9	53.8#
77	0.0	24.7	37.1#

Instrument :
MSVOA_N
ClientSampled :



#38

Carbon Tetrachloride

Concen: 6.235 ug/l

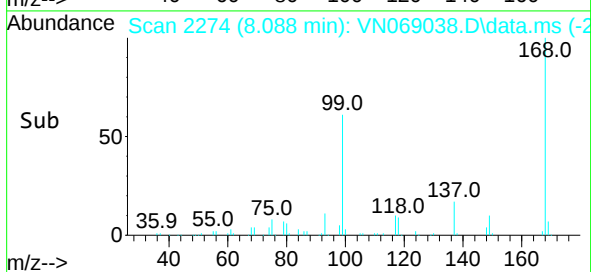
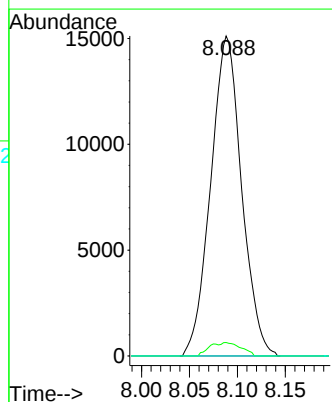
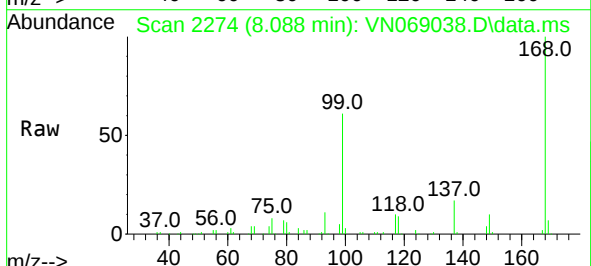
RT: 8.088 min Scan# 2274

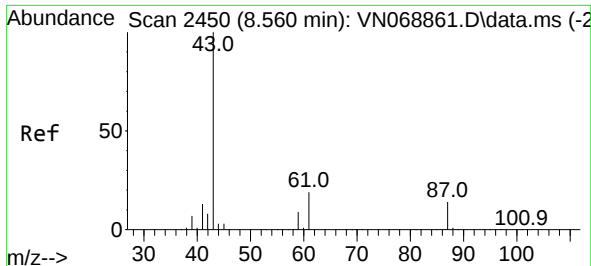
Delta R.T. -0.121 min

Lab File: VN069038.D

Acq: 19 Oct 2021 20:20

Tgt Ion:	117	Resp:	33870
Ion Ratio	Lower	Upper	
117	100		
119	4.2	76.9	115.3#
121	0.0	24.6	37.0#

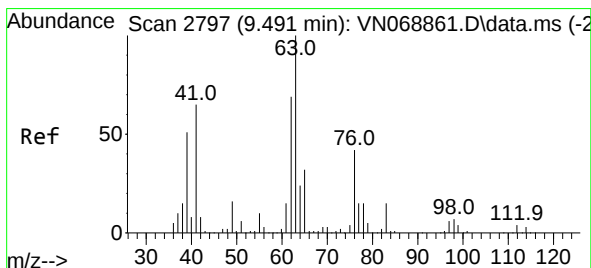
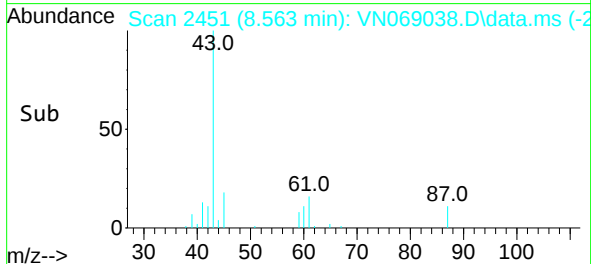
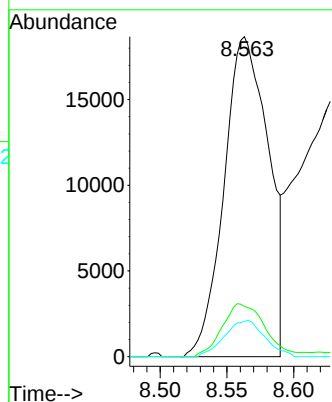
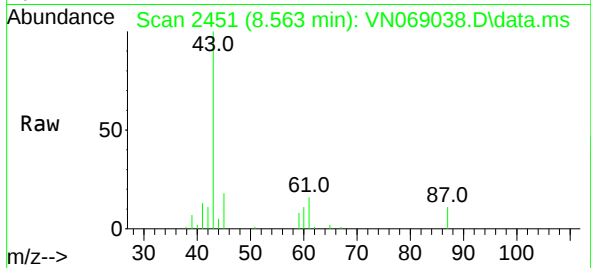




#43
Isopropyl Acetate
Concen: 4.798 ug/l
RT: 8.563 min Scan# 2451
Delta R.T. 0.003 min
Lab File: VN069038.D
Acq: 19 Oct 2021 20:20

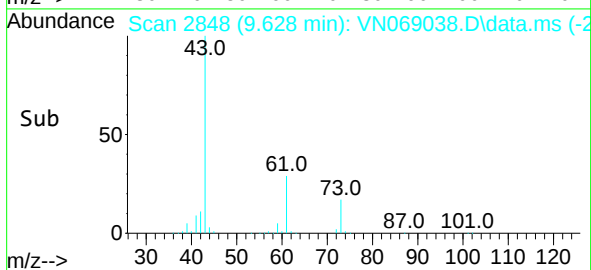
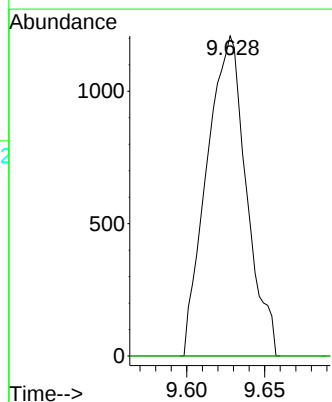
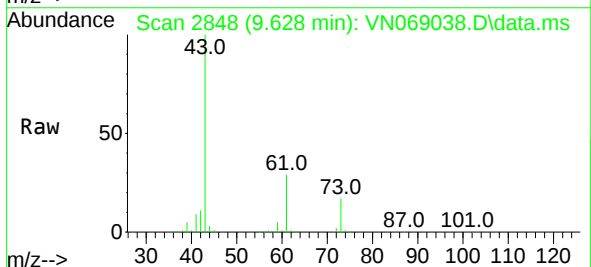
Instrument :
MSVOA_N
ClientSampled :

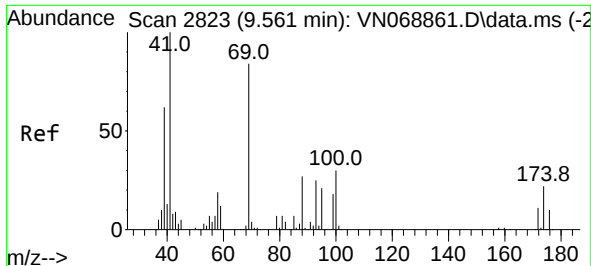
Tgt Ion: 43 Resp: 43251
Ion Ratio Lower Upper
43 100
61 15.9 20.4 30.6#
87 10.3 10.7 16.1#



#45
1,2-Dichloropropane
Concen: 0.547 ug/l
RT: 9.628 min Scan# 2848
Delta R.T. 0.137 min
Lab File: VN069038.D
Acq: 19 Oct 2021 20:20

Tgt Ion: 63 Resp: 2138
Ion Ratio Lower Upper
63 100
65 0.0 25.6 38.4#

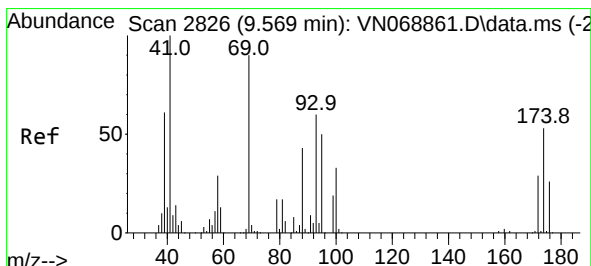
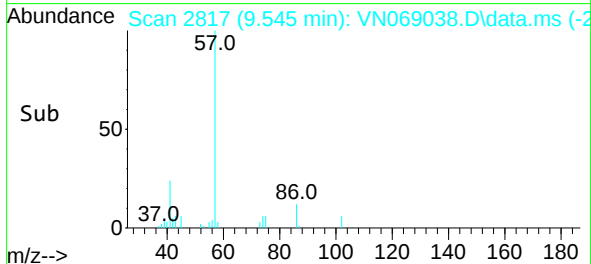
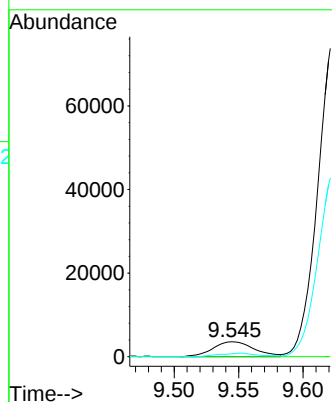
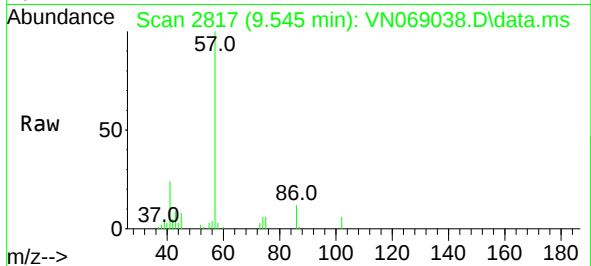




#48
Methyl methacrylate
Concen: 1.870 ug/l
RT: 9.545 min Scan# 2817
Delta R.T. -0.016 min
Lab File: VN069038.D
Acq: 19 Oct 2021 20:20

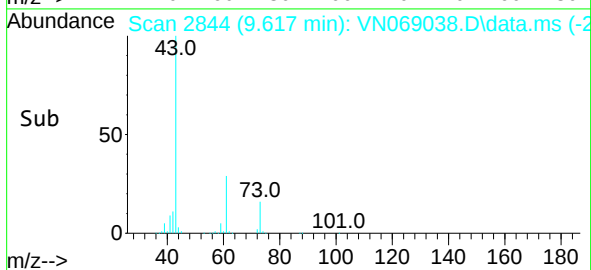
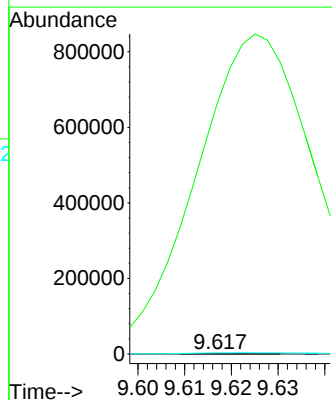
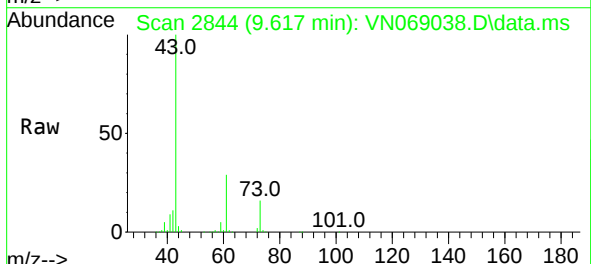
Instrument :
MSVOA_N
ClientSampleId :

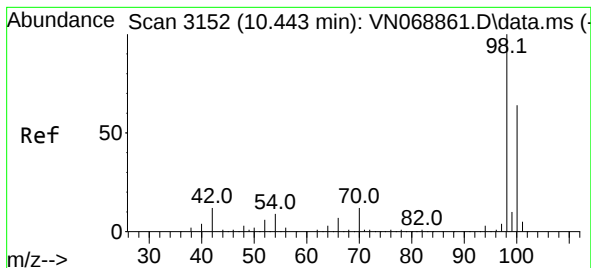
Tgt Ion: 41 Resp: 7920
Ion Ratio Lower Upper
41 100
69 0.0 66.4 99.6#
39 0.0 50.2 75.2#



#49
1,4-Dioxane
Concen: 37.222 ug/l
RT: 9.617 min Scan# 2844
Delta R.T. 0.048 min
Lab File: VN069038.D
Acq: 19 Oct 2021 20:20

Tgt Ion: 88 Resp: 136
Ion Ratio Lower Upper
88 100
43 1173528.7 24.9 37.3#
58 4549.3 56.9 85.3#

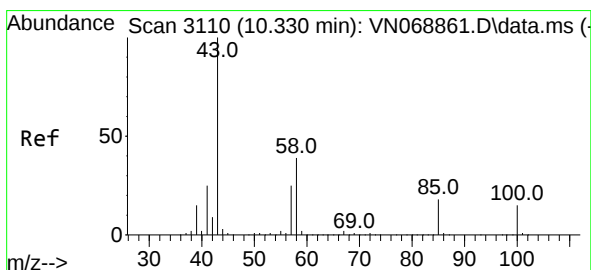
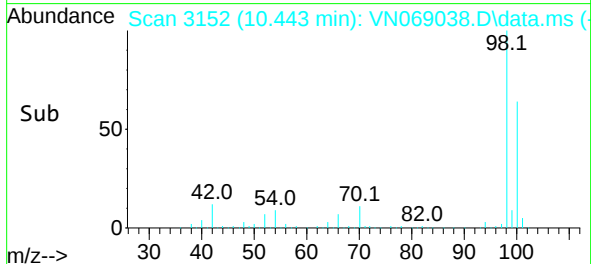
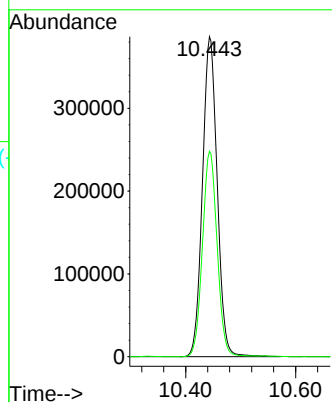
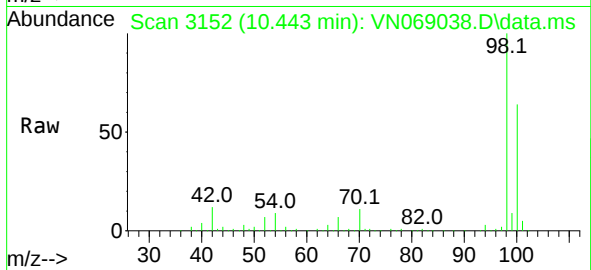




#50
Toluene-d8
Concen: 53.253 ug/l
RT: 10.443 min Scan# 3152
Delta R.T. 0.000 min
Lab File: VN069038.D
Acq: 19 Oct 2021 20:20

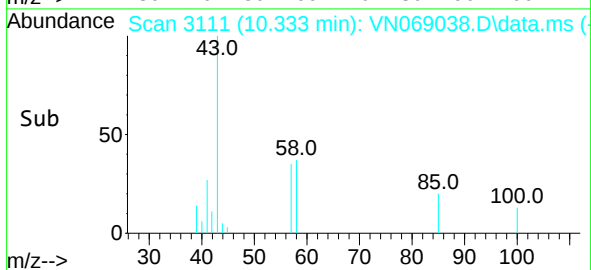
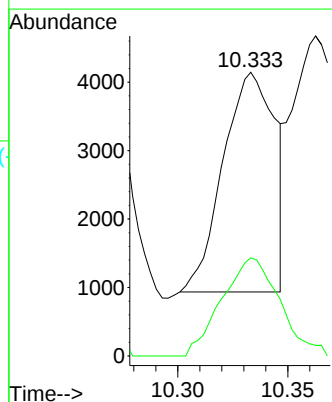
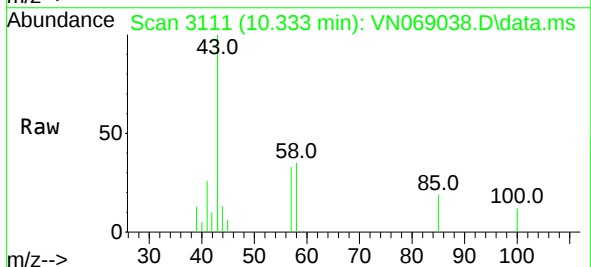
Instrument :
MSVOA_N
ClientSampled :

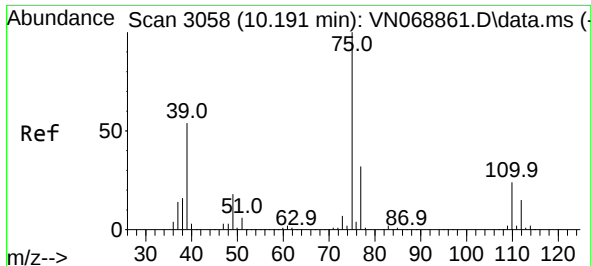
Tgt Ion: 98 Resp: 717922
Ion Ratio Lower Upper
98 100
100 63.9 51.5 77.3



#51
4-Methyl-2-Pentanone
Concen: 1.003 ug/l
RT: 10.333 min Scan# 3111
Delta R.T. 0.003 min
Lab File: VN069038.D
Acq: 19 Oct 2021 20:20

Tgt Ion: 43 Resp: 5240
Ion Ratio Lower Upper
43 100
58 50.0 31.0 46.4#

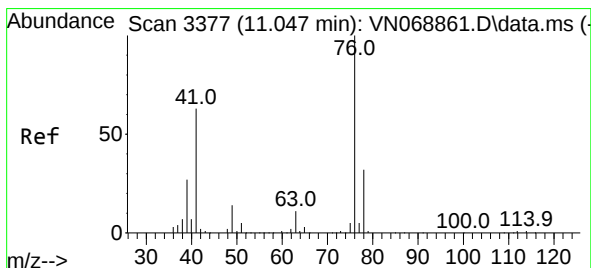
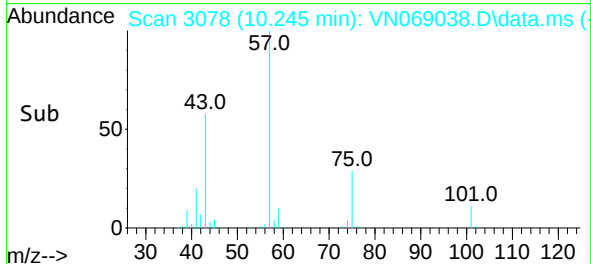
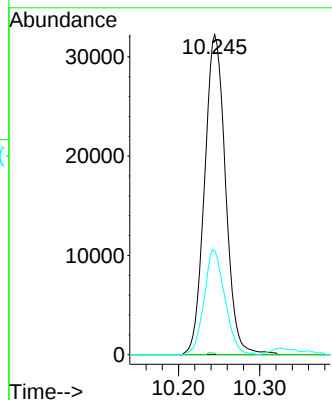
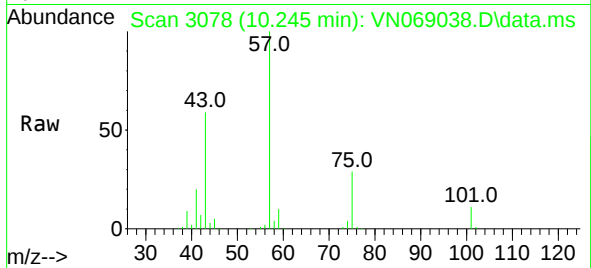




#54
 cis-1,3-Dichloropropene
 Concen: 8.845 ug/l
 RT: 10.245 min Scan# 3078
 Delta R.T. 0.054 min
 Lab File: VN069038.D
 Acq: 19 Oct 2021 20:20

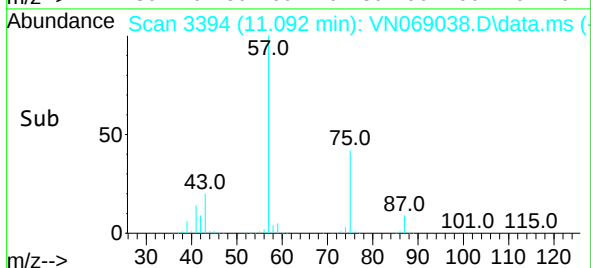
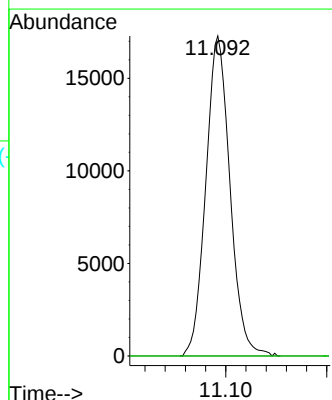
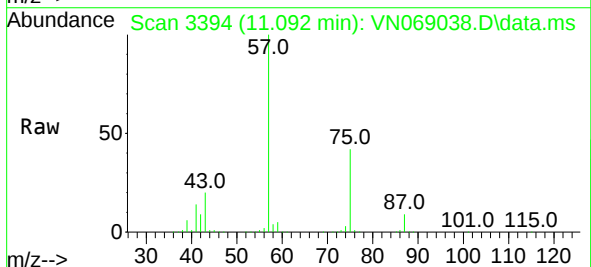
Instrument :
 MSVOA_N
 ClientSampleId :

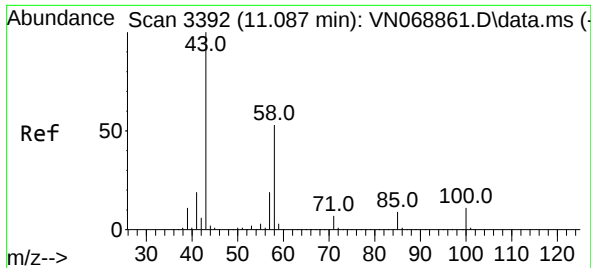
Tgt Ion: 75 Resp: 57636
 Ion Ratio Lower Upper
 75 100
 77 0.5 25.6 38.4#
 39 32.5 42.9 64.3#



#57
 1,3-Dichloropropane
 Concen: 4.564 ug/l
 RT: 11.092 min Scan# 3394
 Delta R.T. 0.046 min
 Lab File: VN069038.D
 Acq: 19 Oct 2021 20:20

Tgt Ion: 76 Resp: 28754
 Ion Ratio Lower Upper
 76 100
 78 0.0 25.8 38.8#

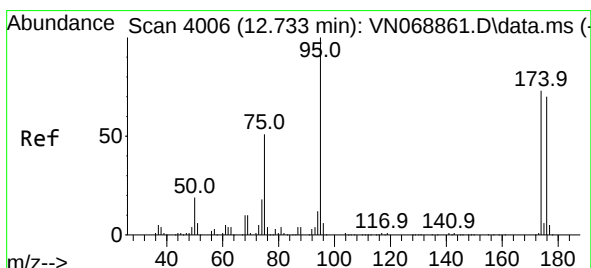
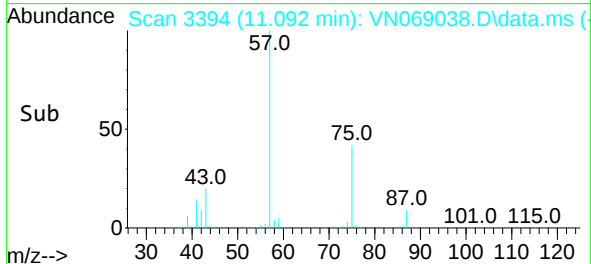
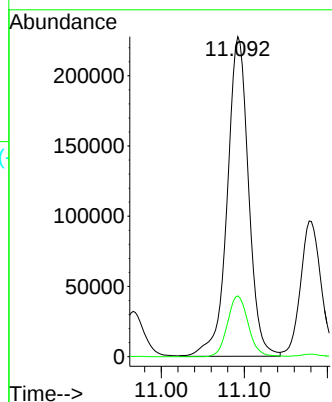
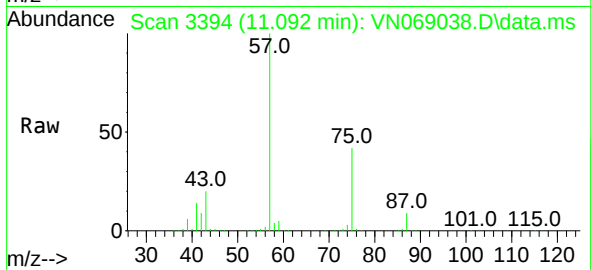




#59
2-Hexanone
Concen: 108.207 ug/l
RT: 11.092 min Scan# 3394
Delta R.T. 0.005 min
Lab File: VN069038.D
Acq: 19 Oct 2021 20:20

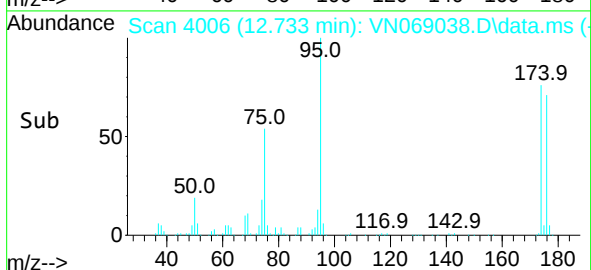
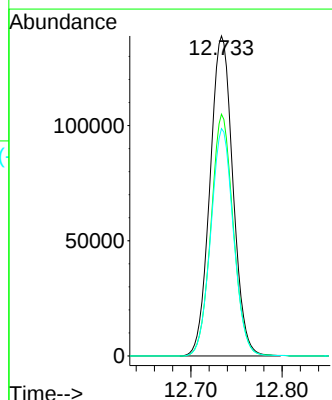
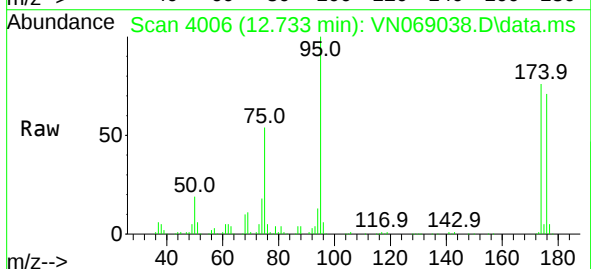
Instrument :
MSVOA_N
ClientSampled :

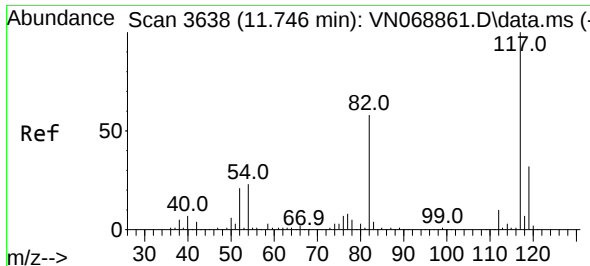
Tgt Ion: 43 Resp: 405582
Ion Ratio Lower Upper
43 100
58 18.6 26.9 80.7#



#62
4-Bromofluorobenzene
Concen: 47.692 ug/l
RT: 12.733 min Scan# 4006
Delta R.T. 0.000 min
Lab File: VN069038.D
Acq: 19 Oct 2021 20:20

Tgt Ion: 95 Resp: 242579
Ion Ratio Lower Upper
95 100
174 73.4 0.0 144.8
176 70.3 0.0 140.0

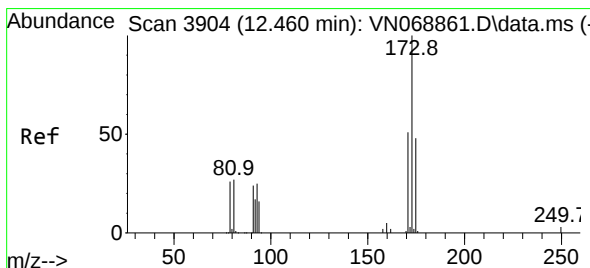
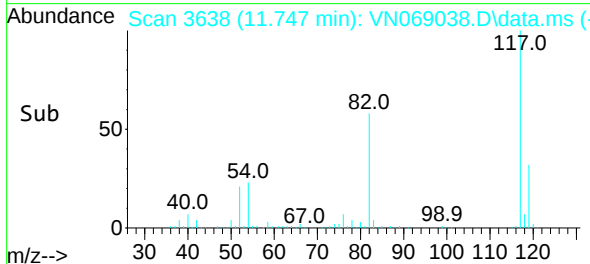
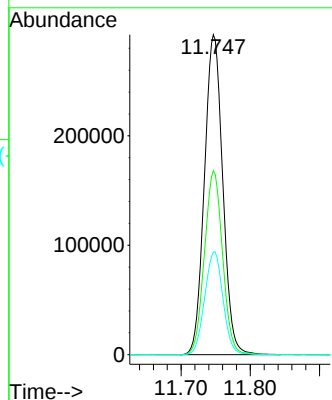
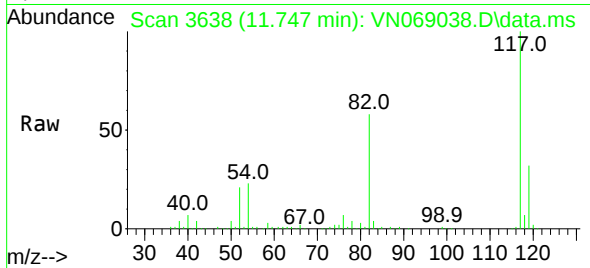




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.747 min Scan# 3638
Delta R.T. 0.000 min
Lab File: VN069038.D
Acq: 19 Oct 2021 20:20

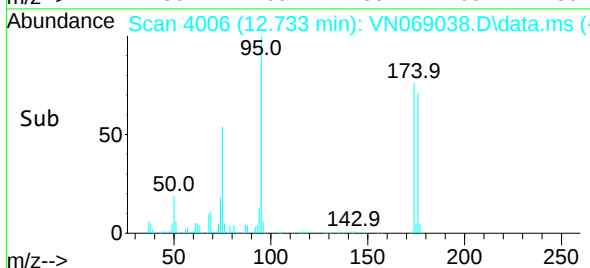
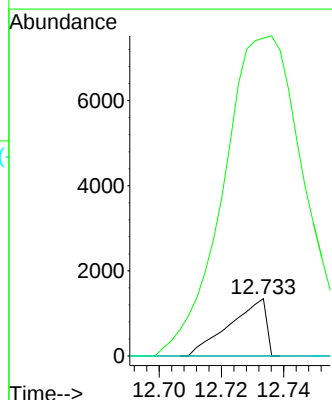
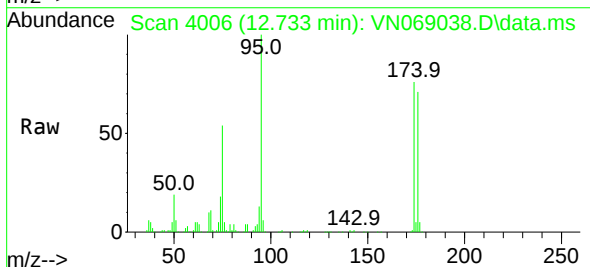
Instrument :
MSVOA_N
ClientSampleId :

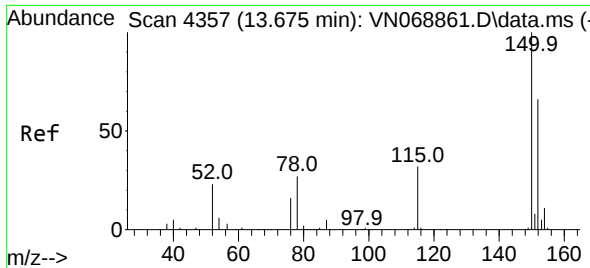
Tgt Ion:117 Resp: 538229
Ion Ratio Lower Upper
117 100
82 57.5 46.4 69.6
119 32.1 26.0 39.0



#71
Bromoform
Concen: 0.343 ug/l
RT: 12.733 min Scan# 4006
Delta R.T. 0.274 min
Lab File: VN069038.D
Acq: 19 Oct 2021 20:20

Tgt Ion:173 Resp: 1096
Ion Ratio Lower Upper
173 100
175 1151.7 23.8 71.5#
254 0.0 0.0 0.0

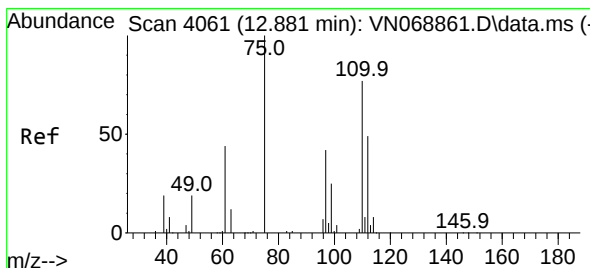
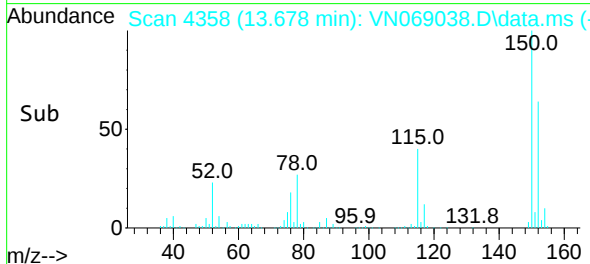
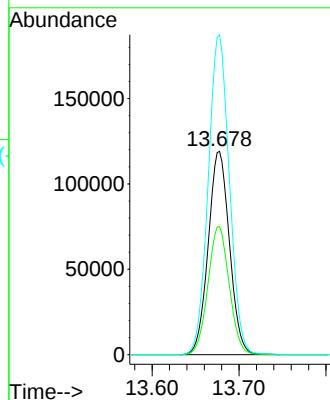
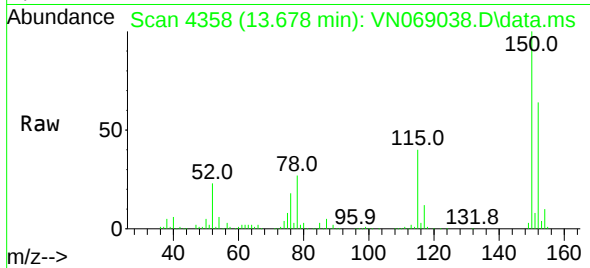




#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 13.678 min Scan# 4358
 Delta R.T. 0.003 min
 Lab File: VN069038.D
 Acq: 19 Oct 2021 20:20

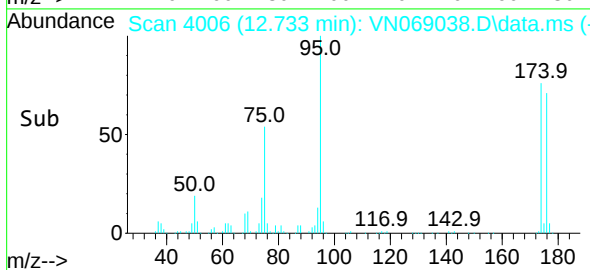
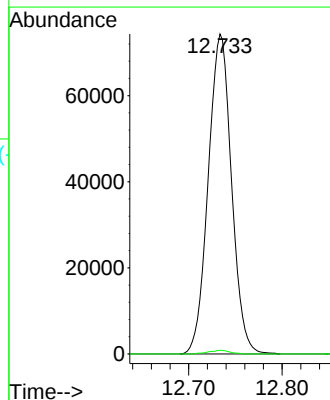
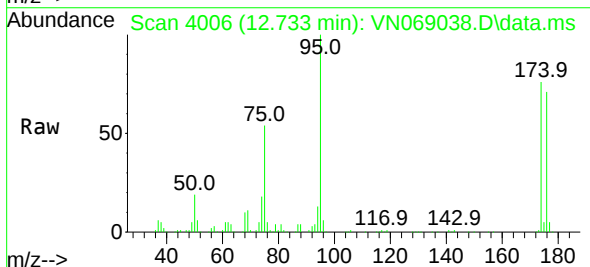
Instrument :
 MSVOA_N
 ClientSampled :

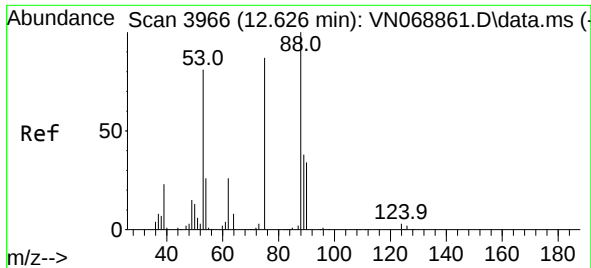
Tgt Ion:152 Resp: 202287
 Ion Ratio Lower Upper
 152 100
 115 63.1 31.4 94.3
 150 156.8 0.0 351.0



#76
 1,2,3-Trichloropropane
 Concen: 29.924 ug/l
 RT: 12.733 min Scan# 4006
 Delta R.T. -0.147 min
 Lab File: VN069038.D
 Acq: 19 Oct 2021 20:20

Tgt Ion: 75 Resp: 128795
 Ion Ratio Lower Upper
 75 100
 77 1.0 96.2 288.4#

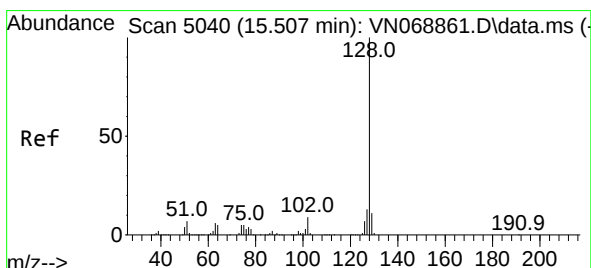
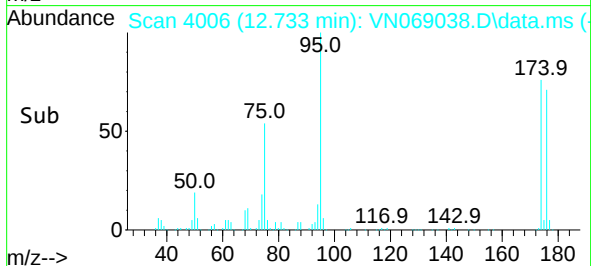
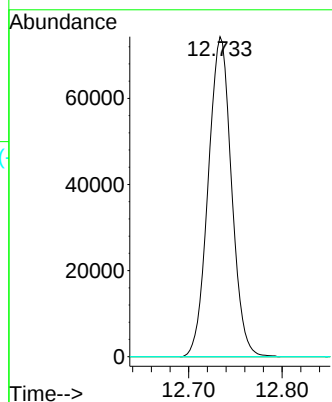
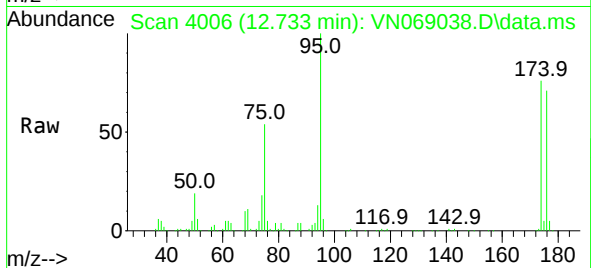




#81
trans-1,4-Dichloro-2-butene
Concen: 71.591 ug/l
RT: 12.733 min Scan# 4006
Delta R.T. 0.107 min
Lab File: VN069038.D
Acq: 19 Oct 2021 20:20

Instrument :
MSVOA_N
ClientSampled :

Tgt Ion: 75 Resp: 128795
Ion Ratio Lower Upper
75 100
53 0.0 75.4 113.2#
89 0.0 36.9 55.3#



#95
Naphthalene
Concen: 3.846 ug/l
RT: 15.509 min Scan# 5041
Delta R.T. 0.002 min
Lab File: VN069038.D
Acq: 19 Oct 2021 20:20

Tgt Ion:128 Resp: 346
Ion Ratio Lower Upper
128 100
127 0.0 10.5 15.7#
129 0.0 8.9 13.3#

