

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN102121\
 Data File : VN069118.D
 Acq On : 22 Oct 2021 4:37
 Operator : JC/MD
 Sample : M4285-13
 Misc : 5.00mL/MSVOA_N/WATER
 ALS Vial : 44 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :

Quant Time: Oct 22 07:21:43 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

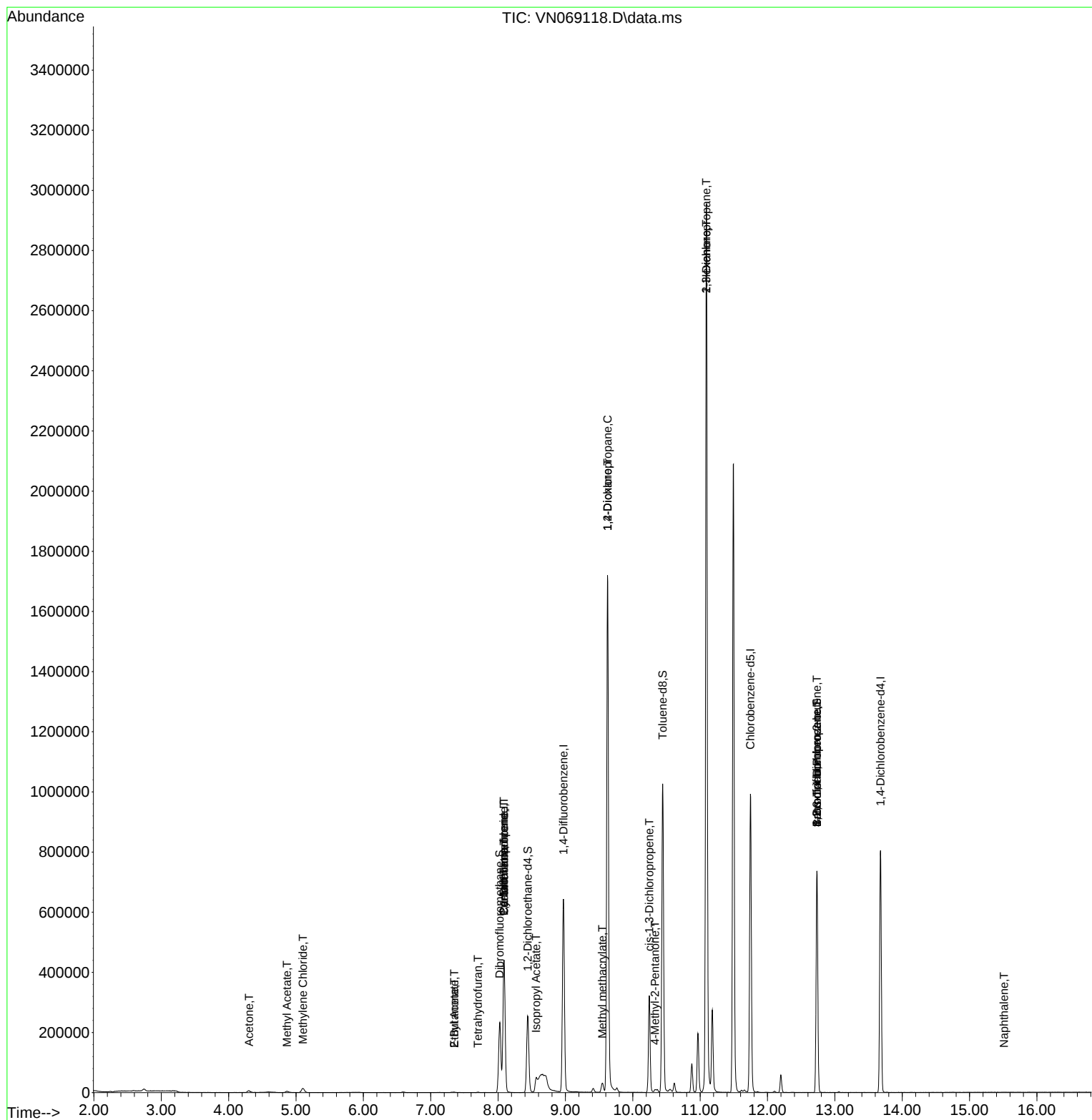
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	8.088	168	336379	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.971	114	583957	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.746	117	588337	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.677	152	217429	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.440	65	216921	48.911	ug/l	0.00
Spiked Amount	50.000	Range	61 - 141	Recovery	=	97.820%
35) Dibromofluoromethane	8.024	113	170850	50.287	ug/l	0.00
Spiked Amount	50.000	Range	69 - 133	Recovery	=	100.580%
50) Toluene-d8	10.443	98	735466	54.102	ug/l	0.00
Spiked Amount	50.000	Range	65 - 126	Recovery	=	108.200%
62) 4-Bromofluorobenzene	12.733	95	265672	51.799	ug/l	0.00
Spiked Amount	50.000	Range	58 - 135	Recovery	=	103.600%
Target Compounds						
					Qvalue	
16) Acetone	4.301	43	12316	7.441	ug/l	98
18) Methyl Acetate	4.867	43	8776	1.398	ug/l	98
20) Methylene Chloride	5.103	84	12020	3.155	ug/l	92
25) 2-Butanone	7.351	43	2695	1.077	ug/l #	87
29) Tetrahydrofuran	7.699	42	1046	0.644	ug/l #	46
31) Cyclohexane	8.088	56	7489	1.086	ug/l #	14
36) 1,1-Dichloropropene	8.088	75	26752	5.363	ug/l #	49
37) Ethyl Acetate	7.351	43	2695	0.523	ug/l #	68
38) Carbon Tetrachloride	8.088	117	34571	6.311	ug/l #	15
43) Isopropyl Acetate	8.566	43	58439	6.429	ug/l #	79
45) 1,2-Dichloropropane	9.625	63	2001	0.508	ug/l #	43
48) Methyl methacrylate	9.547	41	7946	1.861	ug/l #	13
49) 1,4-Dioxane	9.625	88	133	37.175	ug/l #	1
51) 4-Methyl-2-Pentanone	10.330	43	6730	1.277	ug/l	96
54) cis-1,3-Dichloropropene	10.245	75	60556	9.216	ug/l #	61
57) 1,3-Dichloropropane	11.092	76	31788	5.004	ug/l #	42
59) 2-Hexanone	11.092	43	452608	119.752	ug/l #	51
71) Bromoform	12.733	173	1465	0.420	ug/l #	1
76) 1,2,3-Trichloropropane	12.733	75	139296	30.110	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.733	75	139296	72.036	ug/l #	12
95) Naphthalene	15.512	128	708	3.876	ug/l #	69

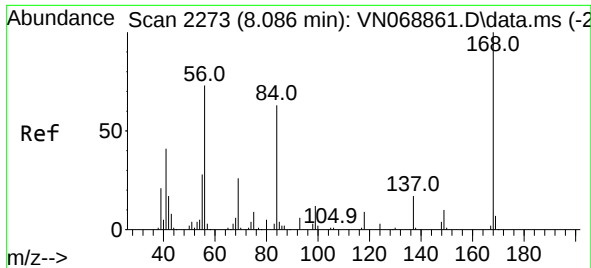
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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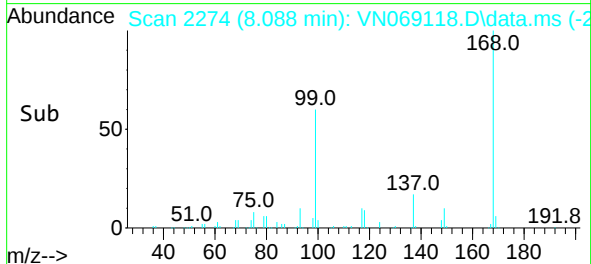
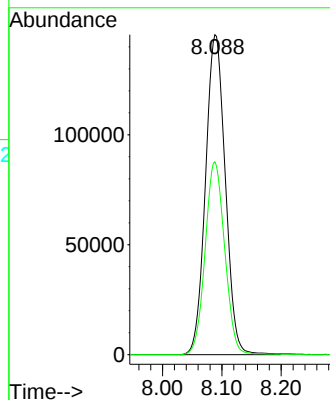
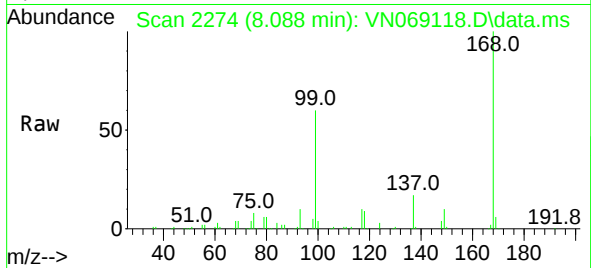




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.088 min Scan# 2274
Delta R.T. 0.002 min
Lab File: VN069118.D
Acq: 22 Oct 2021 4:37

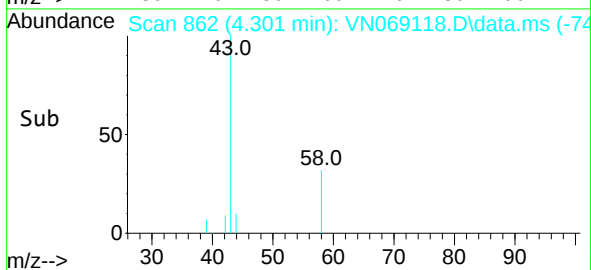
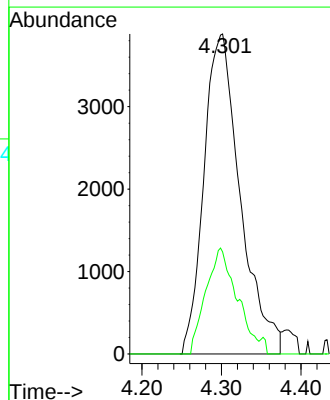
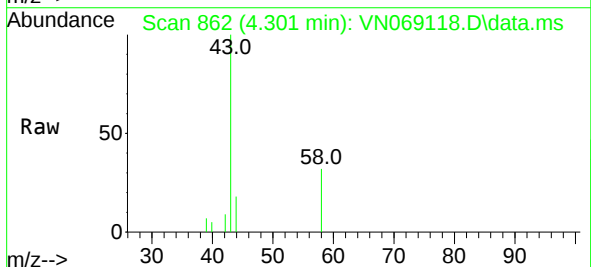
Instrument :
MSVOA_N
ClientSampled :

Tgt Ion:168 Resp: 336379
Ion Ratio Lower Upper
168 100
99 60.3 48.9 73.3



#16
Acetone
Concen: 7.441 ug/l
RT: 4.301 min Scan# 862
Delta R.T. 0.016 min
Lab File: VN069118.D
Acq: 22 Oct 2021 4:37

Tgt Ion: 43 Resp: 12316
Ion Ratio Lower Upper
43 100
58 31.9 24.5 36.7





#18

Methyl Acetate

Concen: 1.398 ug/l

RT: 4.867 min Scan# 1073

Delta R.T. 0.013 min

Lab File: VN069118.D

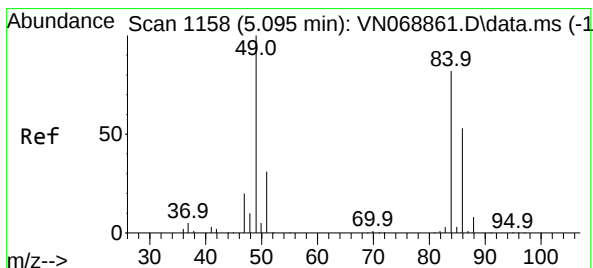
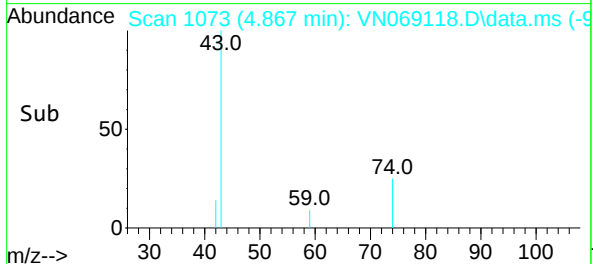
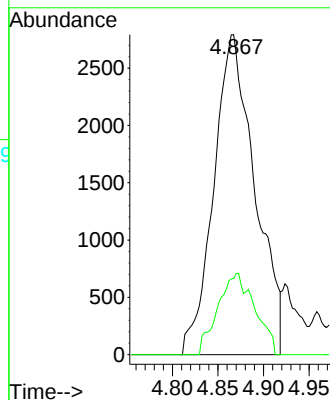
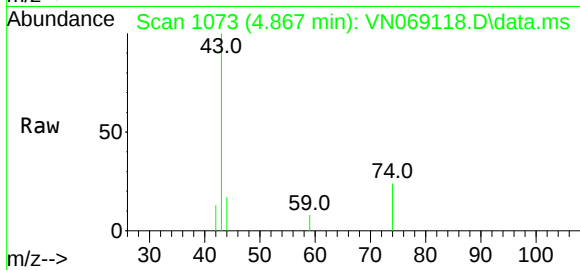
Acq: 22 Oct 2021 4:37

Tgt Ion: 43 Resp: 8776

Ion Ratio Lower Upper

43 100

74 22.8 18.9 28.3



#20

Methylene Chloride

Concen: 3.155 ug/l

RT: 5.103 min Scan# 1161

Delta R.T. 0.008 min

Lab File: VN069118.D

Acq: 22 Oct 2021 4:37

Tgt Ion: 84 Resp: 12020

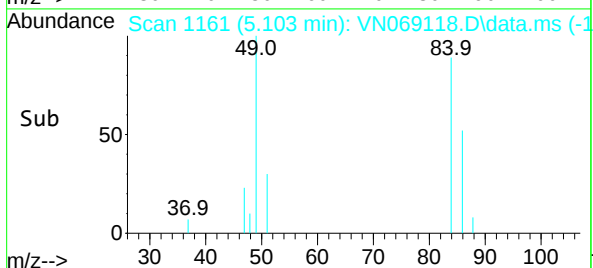
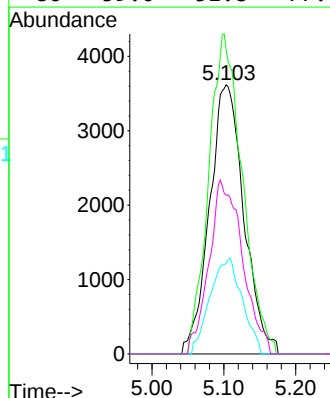
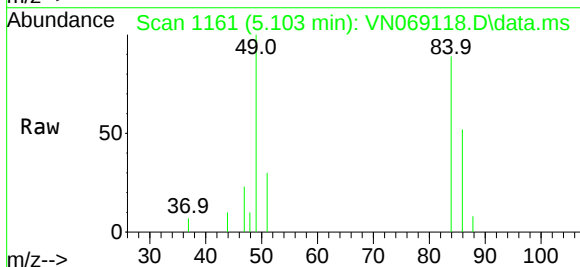
Ion Ratio Lower Upper

84 100

49 113.0 97.6 146.4

51 33.6 30.3 45.5

86 59.0 51.8 77.6

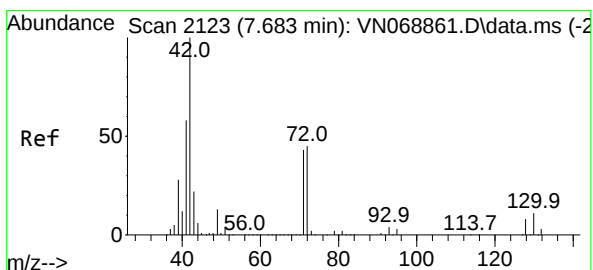
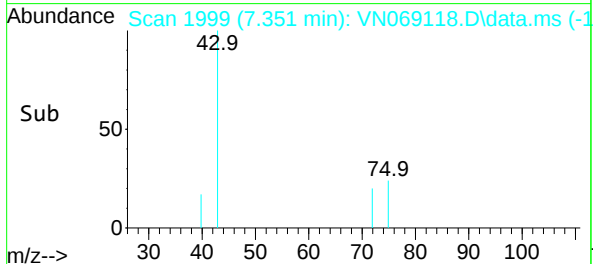
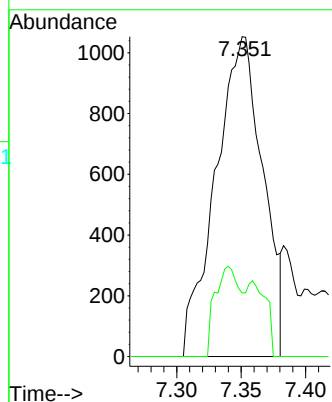
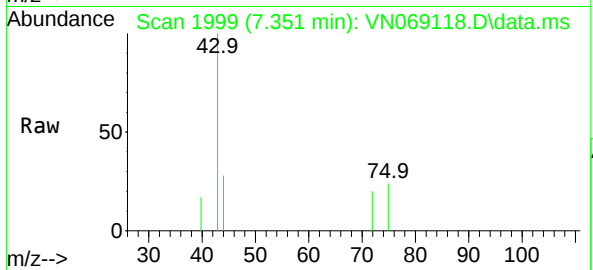




#25
2-Butanone
Concen: 1.077 ug/l
RT: 7.351 min Scan# 1999
Delta R.T. 0.019 min
Lab File: VN069118.D
Acq: 22 Oct 2021 4:37

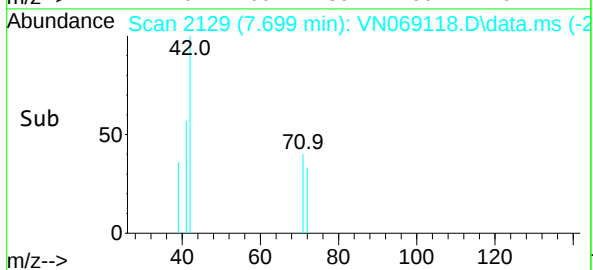
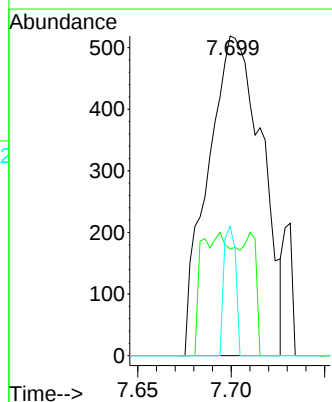
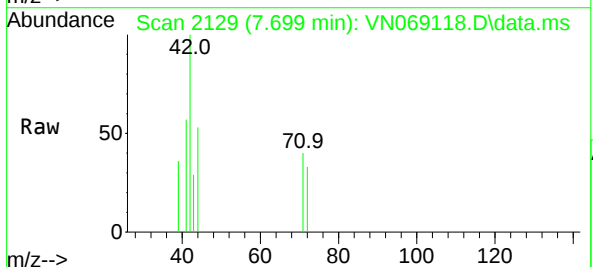
Instrument :
MSVOA_N
ClientSampleId :

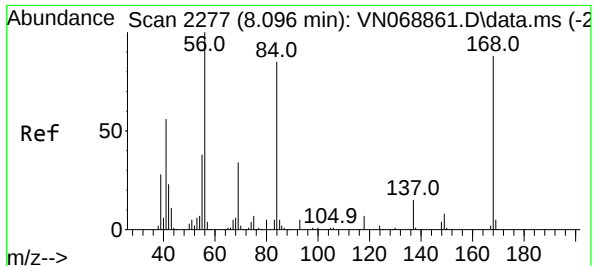
Tgt Ion: 43 Resp: 2695
Ion Ratio Lower Upper
43 100
72 19.8 21.2 31.8#



#29
Tetrahydrofuran
Concen: 0.644 ug/l
RT: 7.699 min Scan# 2129
Delta R.T. 0.016 min
Lab File: VN069118.D
Acq: 22 Oct 2021 4:37

Tgt Ion: 42 Resp: 1046
Ion Ratio Lower Upper
42 100
72 8.5 35.4 53.2#
71 8.8 33.8 50.6#

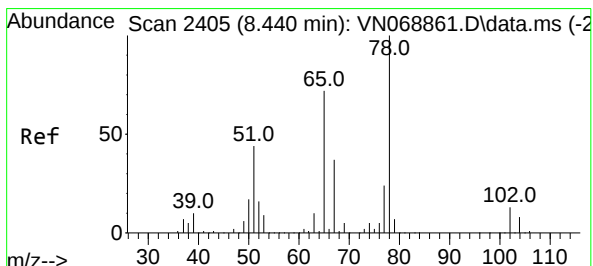
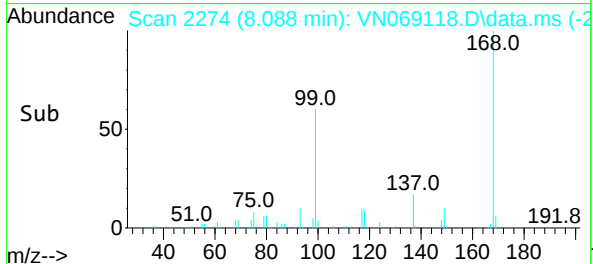
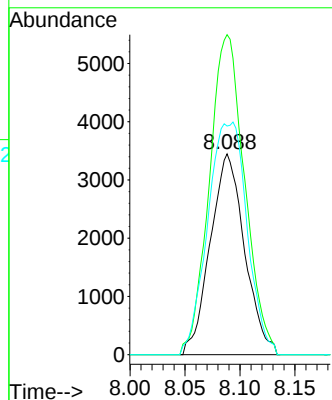
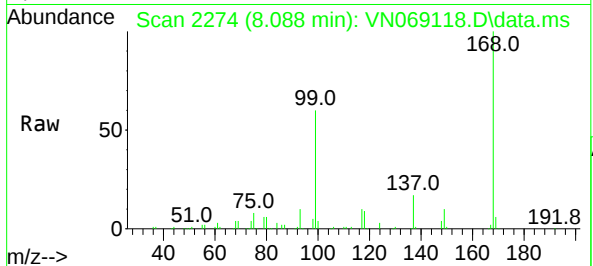




#31
Cyclohexane
Concen: 1.086 ug/l
RT: 8.088 min Scan# 2274
Delta R.T. -0.008 min
Lab File: VN069118.D
Acq: 22 Oct 2021 4:37

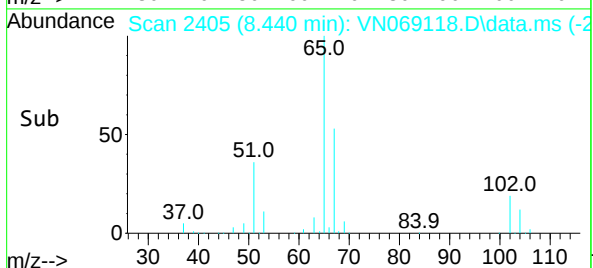
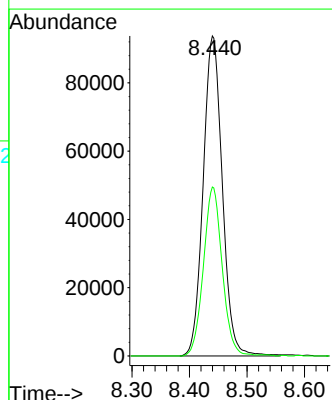
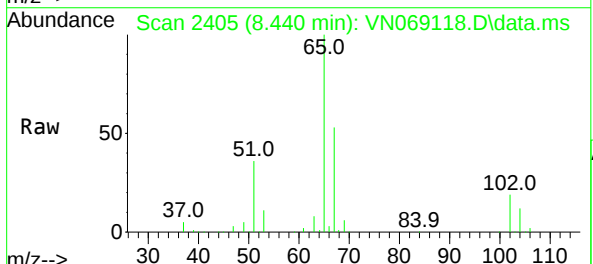
Instrument :
MSVOA_N
ClientSampled :

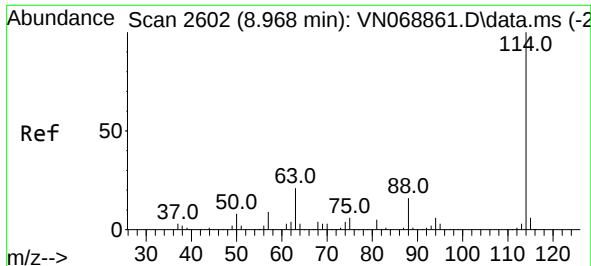
Tgt Ion: 56 Resp: 7489
Ion Ratio Lower Upper
56 100
69 159.4 26.9 40.3#
84 113.9 67.6 101.4#



#33
1,2-Dichloroethane-d4
Concen: 48.911 ug/l
RT: 8.440 min Scan# 2405
Delta R.T. -0.000 min
Lab File: VN069118.D
Acq: 22 Oct 2021 4:37

Tgt Ion: 65 Resp: 216921
Ion Ratio Lower Upper
65 100
67 51.7 0.0 103.8

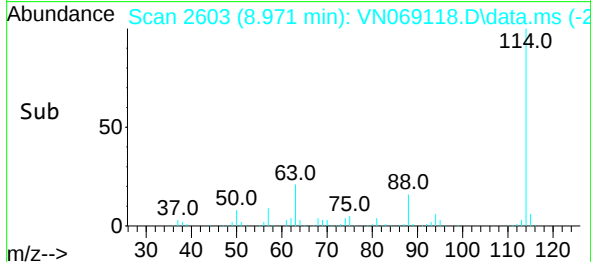
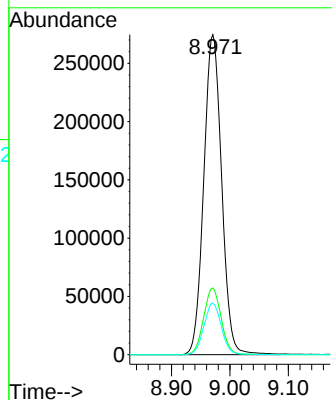
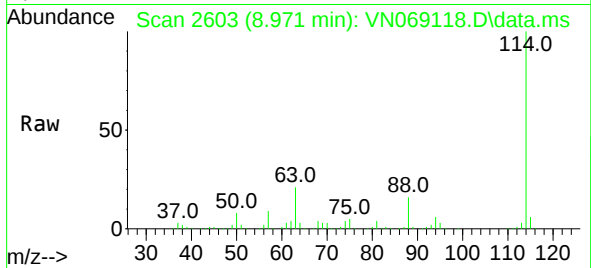




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.971 min Scan# 2603
Delta R.T. 0.003 min
Lab File: VN069118.D
Acq: 22 Oct 2021 4:37

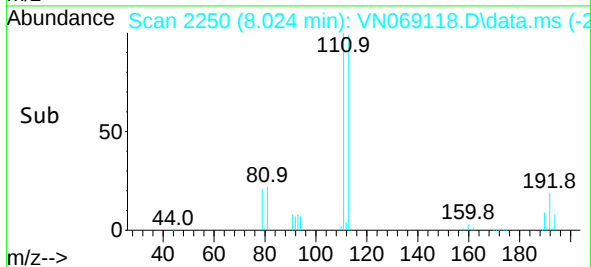
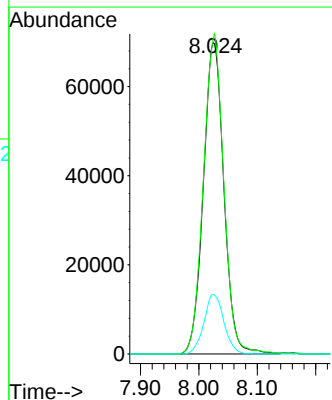
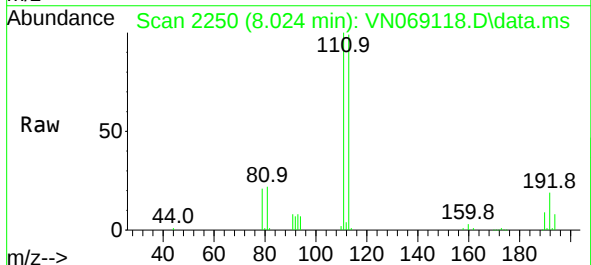
Instrument :
MSVOA_N
ClientSampled :

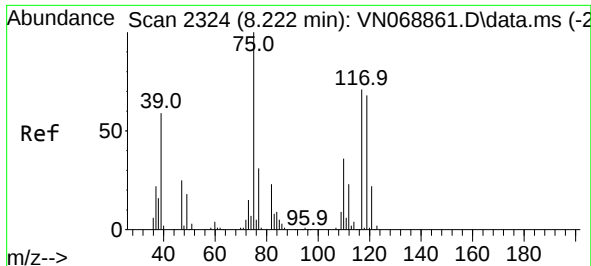
Tgt Ion:114 Resp: 583957
Ion Ratio Lower Upper
114 100
63 20.8 0.0 42.6
88 16.1 0.0 32.0



#35
Dibromofluoromethane
Concen: 50.287 ug/l
RT: 8.024 min Scan# 2250
Delta R.T. 0.003 min
Lab File: VN069118.D
Acq: 22 Oct 2021 4:37

Tgt Ion:113 Resp: 170850
Ion Ratio Lower Upper
113 100
111 102.1 83.2 124.8
192 18.6 15.0 22.4

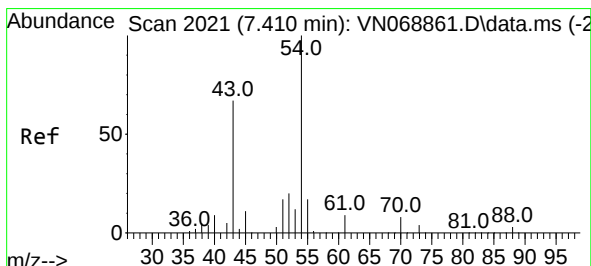
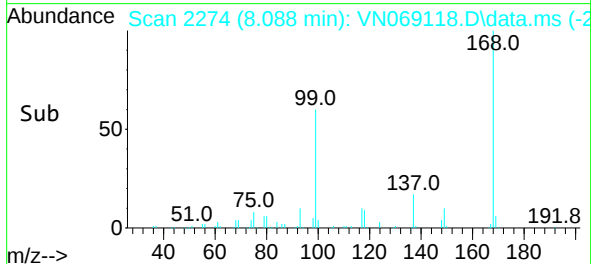
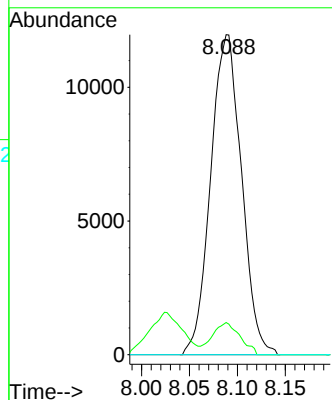
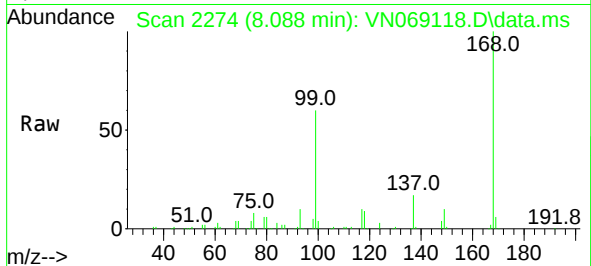




#36
1,1-Dichloropropene
Concen: 5.363 ug/l
RT: 8.088 min Scan# 2274
Delta R.T. -0.134 min
Lab File: VN069118.D
Acq: 22 Oct 2021 4:37

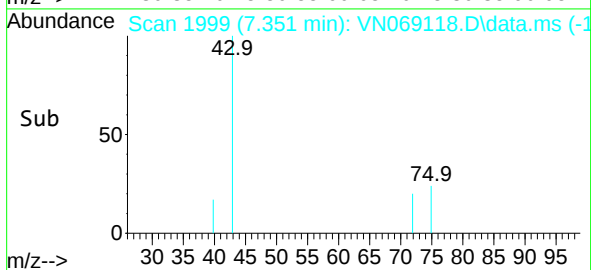
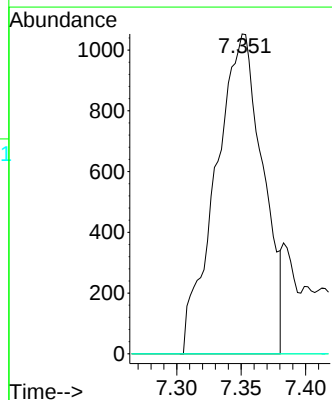
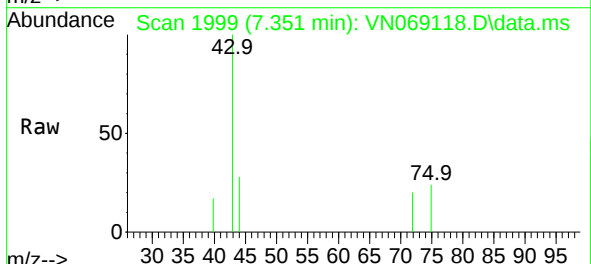
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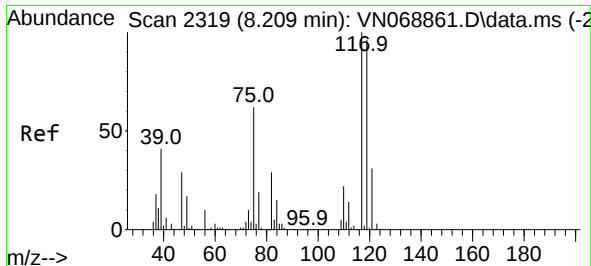
Tgt Ion: 75 Resp: 26752
Ion Ratio Lower Upper
75 100
110 9.0 17.9 53.8#
77 0.0 24.7 37.1#



#37
Ethyl Acetate
Concen: 0.523 ug/l
RT: 7.351 min Scan# 1999
Delta R.T. -0.059 min
Lab File: VN069118.D
Acq: 22 Oct 2021 4:37

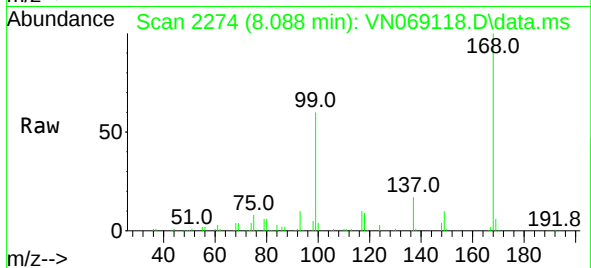
Tgt Ion: 43 Resp: 2695
Ion Ratio Lower Upper
43 100
61 0.0 11.2 16.8#
70 0.0 8.4 12.6#



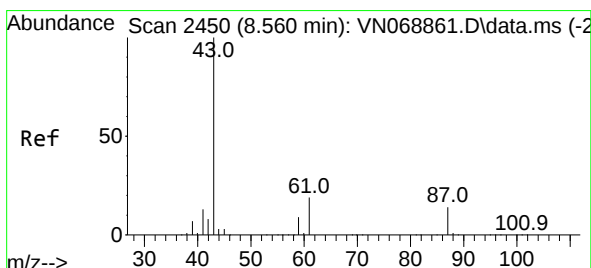
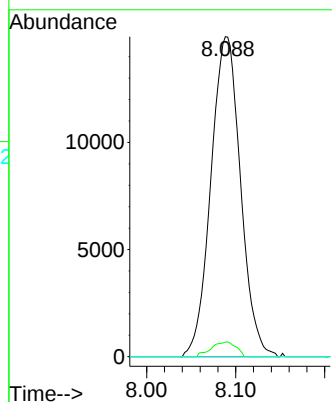
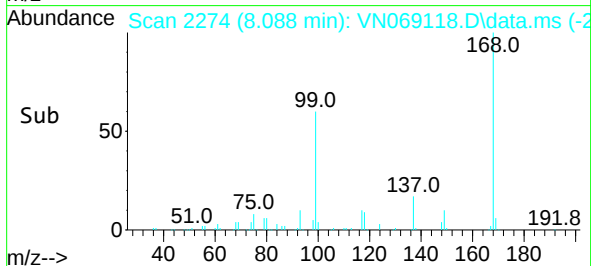


#38
Carbon Tetrachloride
Concen: 6.311 ug/l
RT: 8.088 min Scan# 2274
Delta R.T. -0.121 min
Lab File: VN069118.D
Acq: 22 Oct 2021 4:37

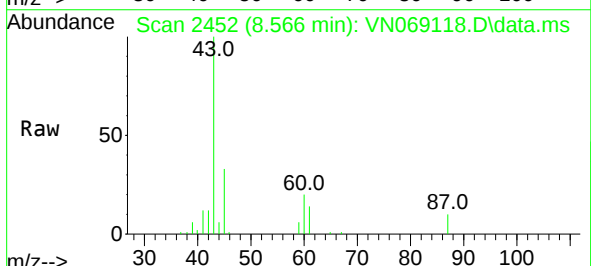
Instrument :
MSVOA_N
ClientSampled :



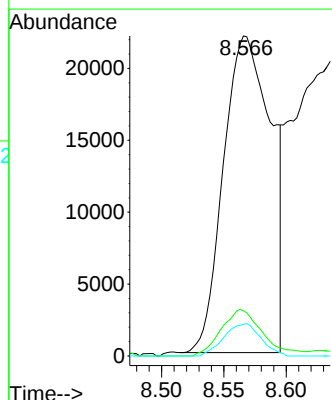
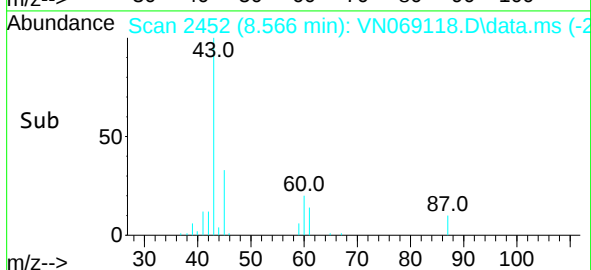
Tgt Ion:117 Resp: 34571
Ion Ratio Lower Upper
117 100
119 4.6 76.9 115.3#
121 0.0 24.6 37.0#

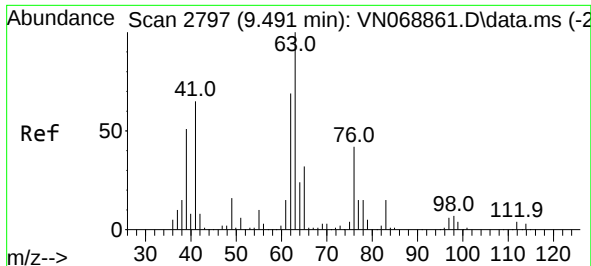


#43
Isopropyl Acetate
Concen: 6.429 ug/l
RT: 8.566 min Scan# 2452
Delta R.T. 0.005 min
Lab File: VN069118.D
Acq: 22 Oct 2021 4:37



Tgt Ion: 43 Resp: 58439
Ion Ratio Lower Upper
43 100
61 12.8 20.4 30.6#
87 7.9 10.7 16.1#

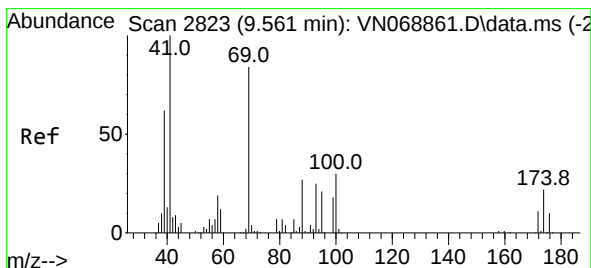
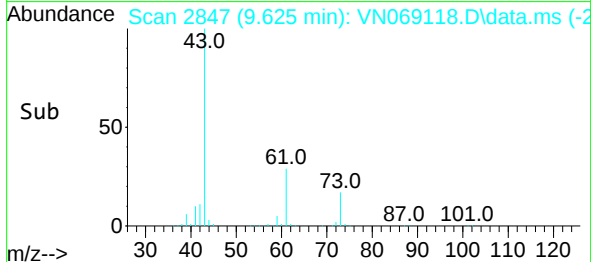
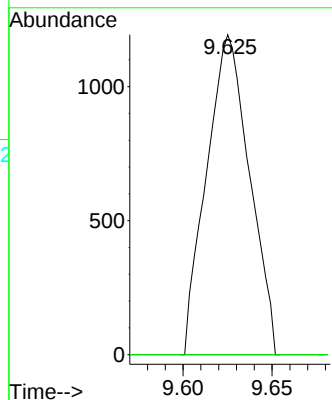
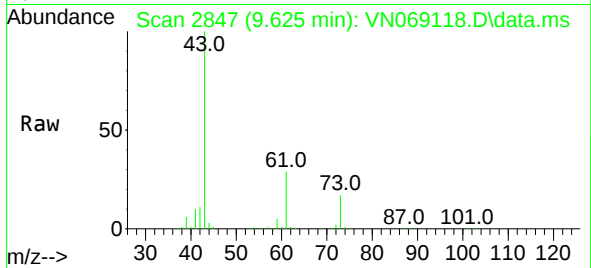




#45
1,2-Dichloropropane
Concen: 0.508 ug/l
RT: 9.625 min Scan# 2847
Delta R.T. 0.134 min
Lab File: VN069118.D
Acq: 22 Oct 2021 4:37

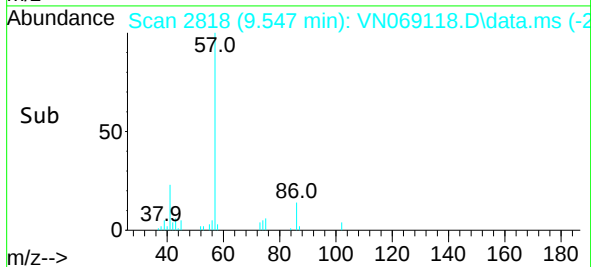
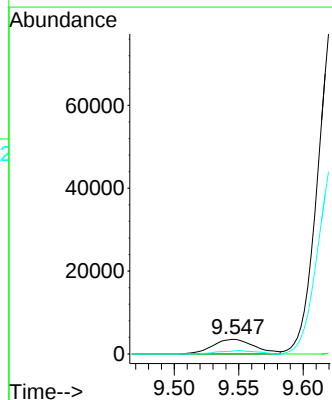
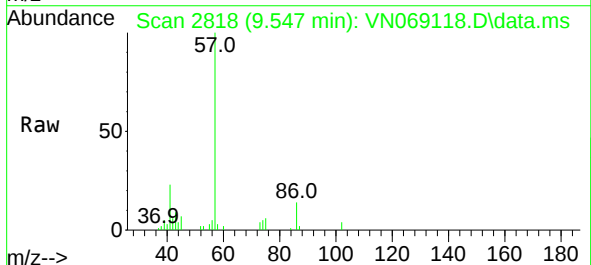
Instrument :
MSVOA_N
ClientSampled :

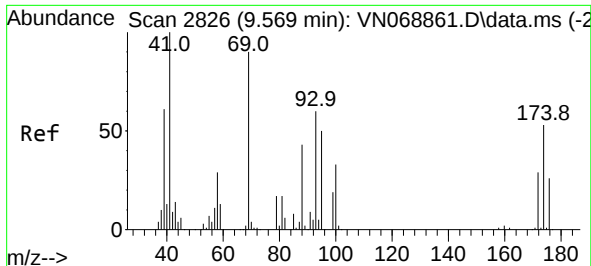
Tgt Ion: 63 Resp: 2001
Ion Ratio Lower Upper
63 100
65 0.0 25.6 38.4#



#48
Methyl methacrylate
Concen: 1.861 ug/l
RT: 9.547 min Scan# 2818
Delta R.T. -0.013 min
Lab File: VN069118.D
Acq: 22 Oct 2021 4:37

Tgt Ion: 41 Resp: 7946
Ion Ratio Lower Upper
41 100
69 0.0 66.4 99.6#
39 0.0 50.2 75.2#

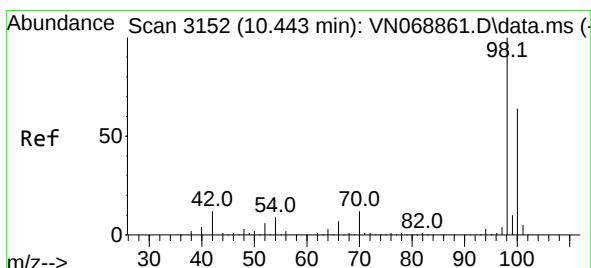
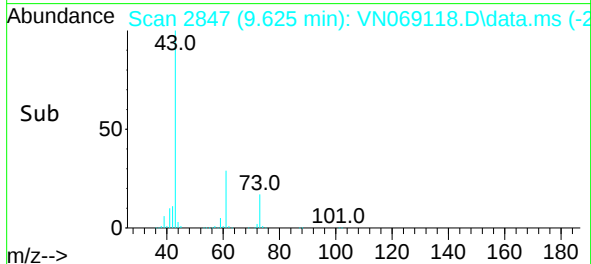
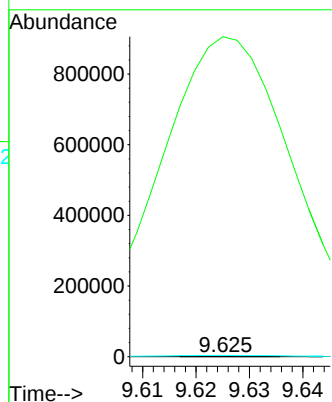
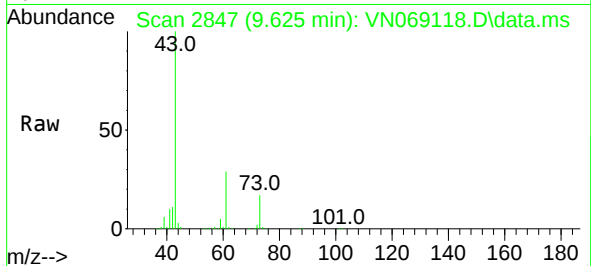




#49
1,4-Dioxane
Concen: 37.175 ug/l
RT: 9.625 min Scan# 2847
Delta R.T. 0.056 min
Lab File: VN069118.D
Acq: 22 Oct 2021 4:37

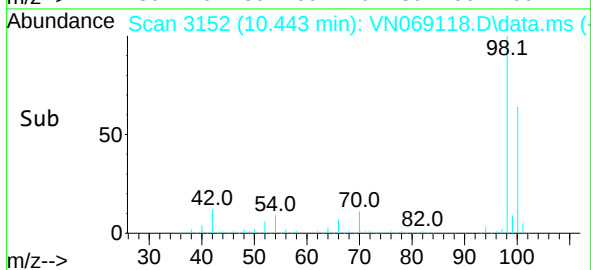
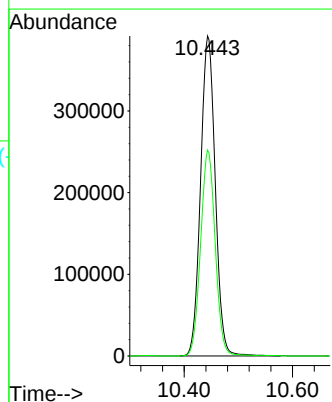
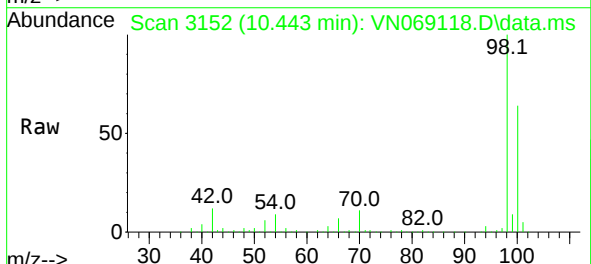
Instrument :
MSVOA_N
ClientSampled :

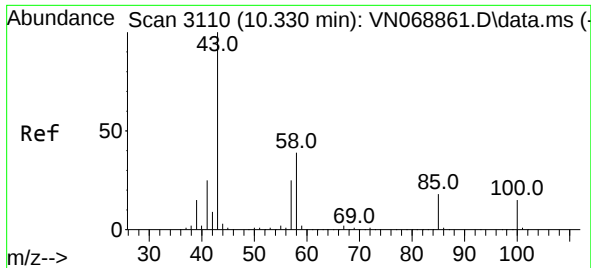
Tgt Ion: 88 Resp: 133
Ion Ratio Lower Upper
88 100
43 1303346.6 24.9 37.3#
58 5176.7 56.9 85.3#



#50
Toluene-d8
Concen: 54.102 ug/l
RT: 10.443 min Scan# 3152
Delta R.T. -0.000 min
Lab File: VN069118.D
Acq: 22 Oct 2021 4:37

Tgt Ion: 98 Resp: 735466
Ion Ratio Lower Upper
98 100
100 64.2 51.5 77.3

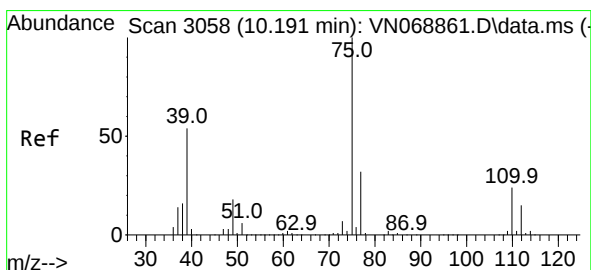
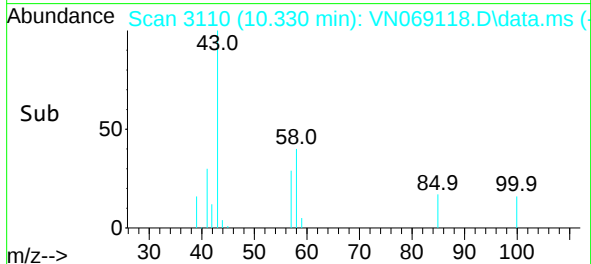
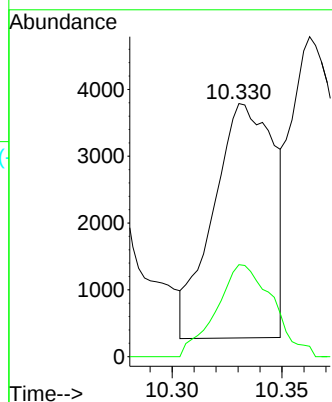
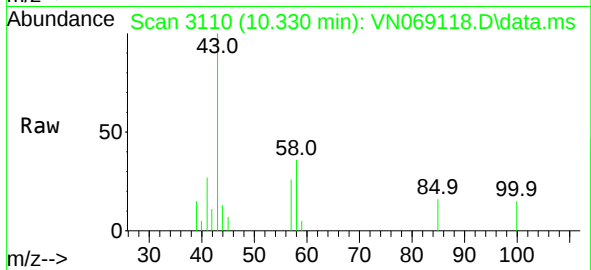




#51
4-Methyl-2-Pentanone
Concen: 1.277 ug/l
RT: 10.330 min Scan# 3110
Delta R.T. -0.000 min
Lab File: VN069118.D
Acq: 22 Oct 2021 4:37

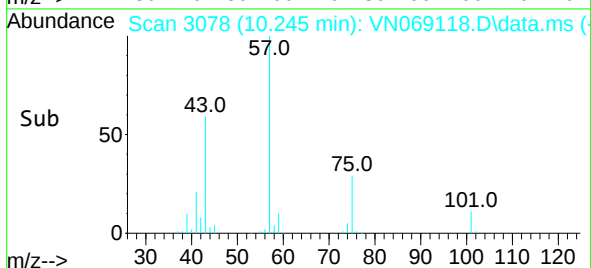
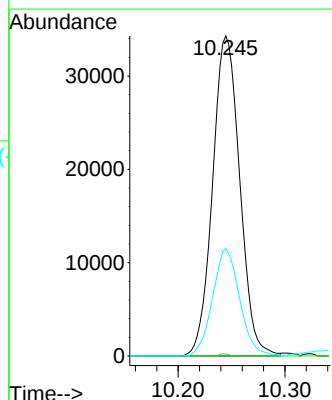
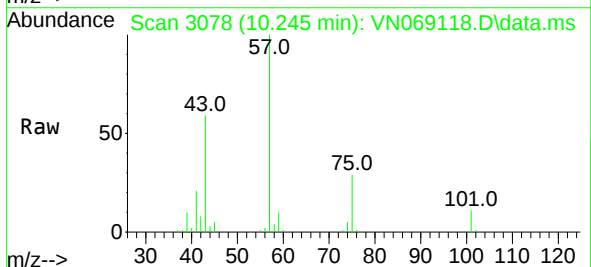
Instrument :
MSVOA_N
ClientSampleId :

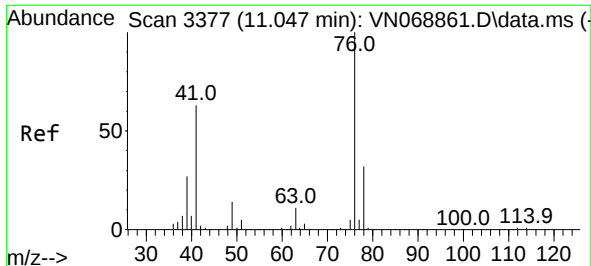
Tgt Ion: 43 Resp: 6730
Ion Ratio Lower Upper
43 100
58 36.5 31.0 46.4



#54
cis-1,3-Dichloropropene
Concen: 9.216 ug/l
RT: 10.245 min Scan# 3078
Delta R.T. 0.054 min
Lab File: VN069118.D
Acq: 22 Oct 2021 4:37

Tgt Ion: 75 Resp: 60556
Ion Ratio Lower Upper
75 100
77 0.6 25.6 38.4#
39 33.6 42.9 64.3#

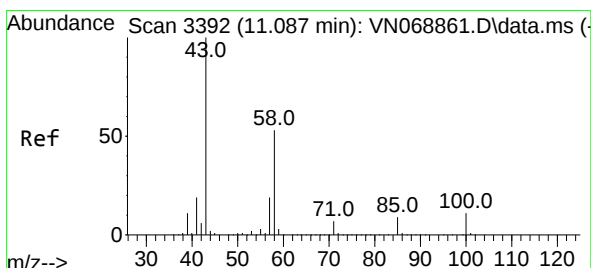
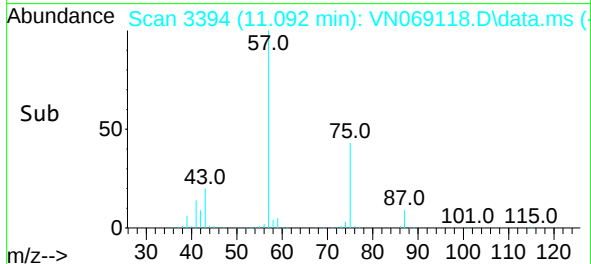
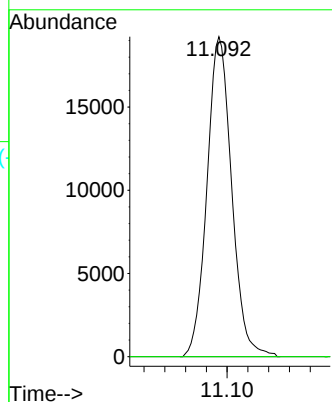
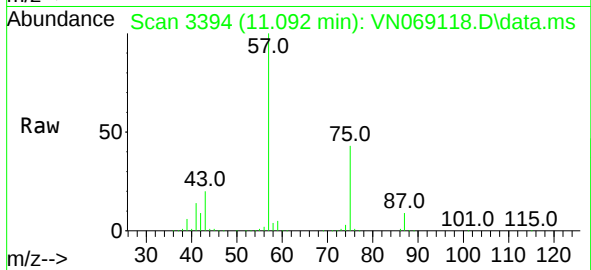




#57
1,3-Dichloropropane
Concen: 5.004 ug/l
RT: 11.092 min Scan# 3394
Delta R.T. 0.046 min
Lab File: VN069118.D
Acq: 22 Oct 2021 4:37

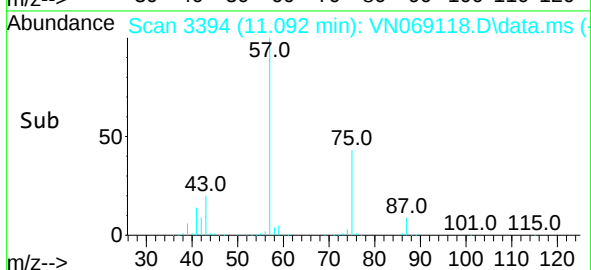
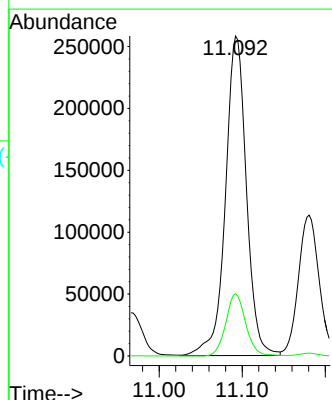
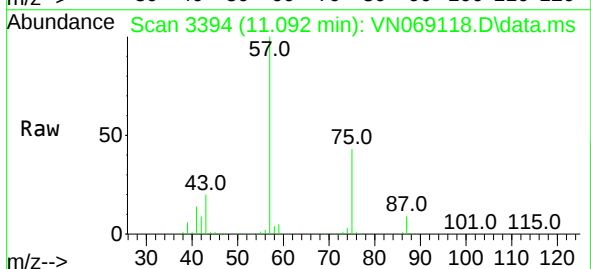
Instrument :
MSVOA_N
ClientSampleId :

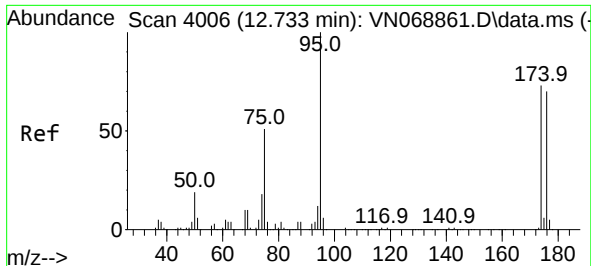
Tgt Ion: 76 Resp: 31788
Ion Ratio Lower Upper
76 100
78 0.0 25.8 38.8#



#59
2-Hexanone
Concen: 119.752 ug/l
RT: 11.092 min Scan# 3394
Delta R.T. 0.005 min
Lab File: VN069118.D
Acq: 22 Oct 2021 4:37

Tgt Ion: 43 Resp: 452608
Ion Ratio Lower Upper
43 100
58 18.5 26.9 80.7#

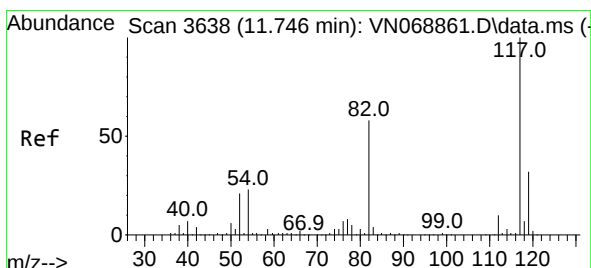
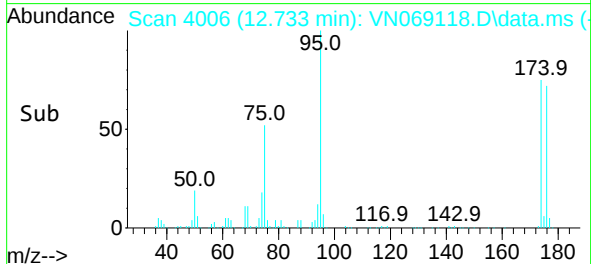
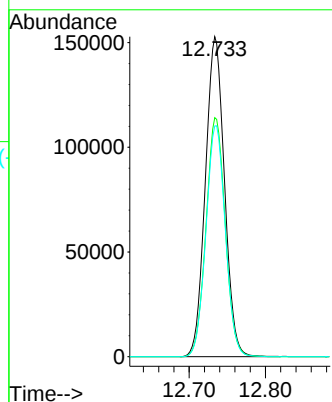
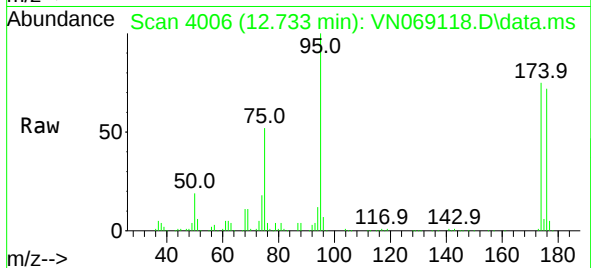




#62
4-Bromofluorobenzene
Concen: 51.799 ug/l
RT: 12.733 min Scan# 4006
Delta R.T. -0.000 min
Lab File: VN069118.D
Acq: 22 Oct 2021 4:37

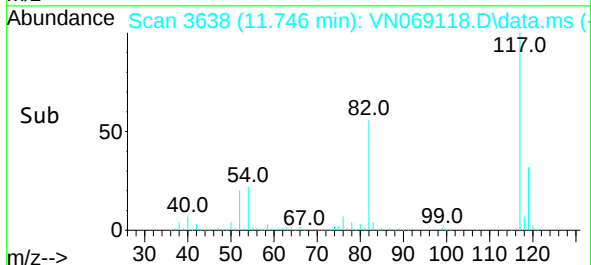
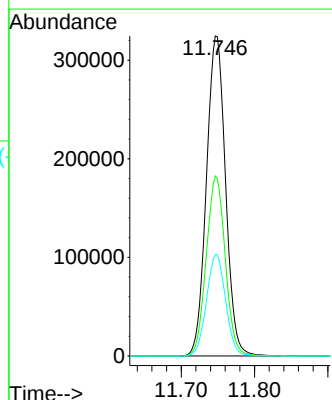
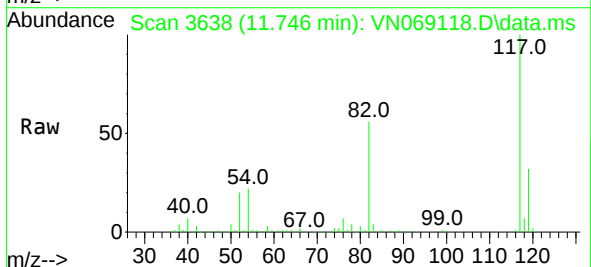
Instrument :
MSVOA_N
ClientSampled :

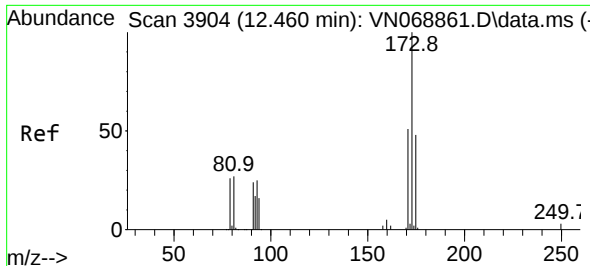
Tgt Ion: 95 Resp: 265672
Ion Ratio Lower Upper
95 100
174 75.2 0.0 144.8
176 73.1 0.0 140.0



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.746 min Scan# 3638
Delta R.T. -0.000 min
Lab File: VN069118.D
Acq: 22 Oct 2021 4:37

Tgt Ion: 117 Resp: 588337
Ion Ratio Lower Upper
117 100
82 56.3 46.4 69.6
119 31.7 26.0 39.0

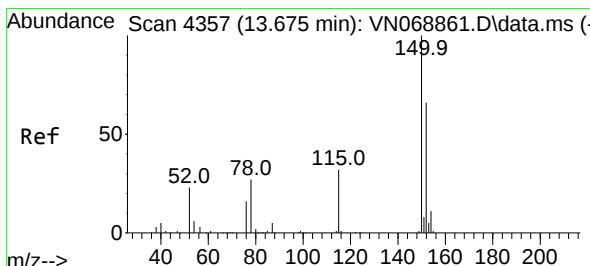
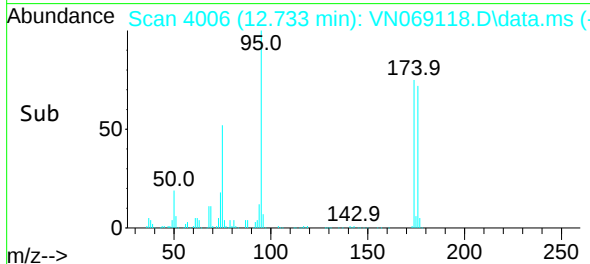
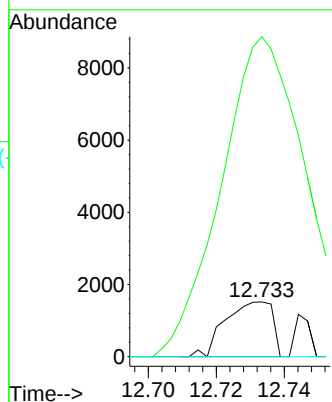
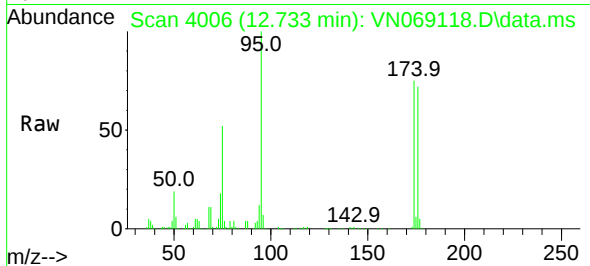




#71
Bromoform
Concen: 0.420 ug/l
RT: 12.733 min Scan# 4006
Delta R.T. 0.274 min
Lab File: VN069118.D
Acq: 22 Oct 2021 4:37

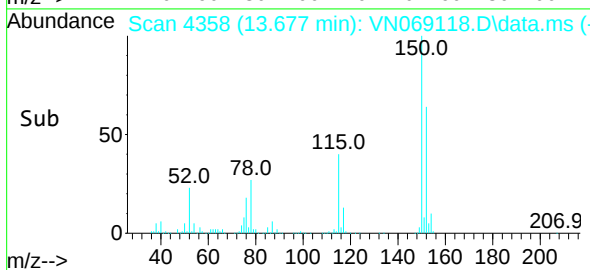
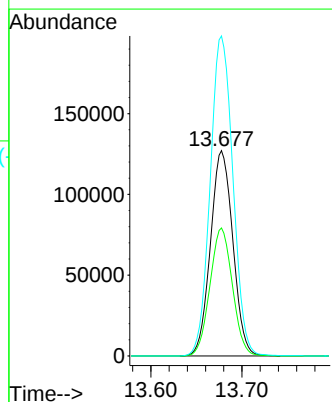
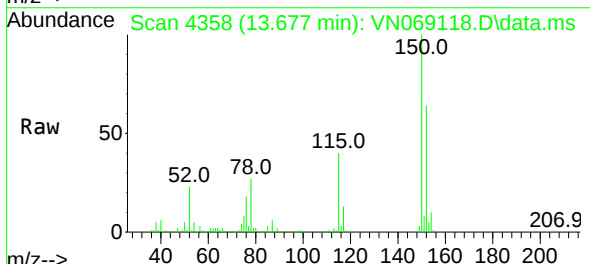
Instrument :
MSVOA_N
ClientSampleId :

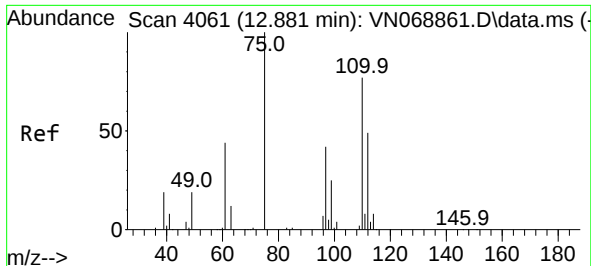
Tgt Ion:173 Resp: 1465
Ion Ratio Lower Upper
173 100
175 969.4 23.8 71.5#
254 0.0 0.0 0.0



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.677 min Scan# 4358
Delta R.T. 0.003 min
Lab File: VN069118.D
Acq: 22 Oct 2021 4:37

Tgt Ion:152 Resp: 217429
Ion Ratio Lower Upper
152 100
115 62.3 31.4 94.3
150 157.8 0.0 351.0

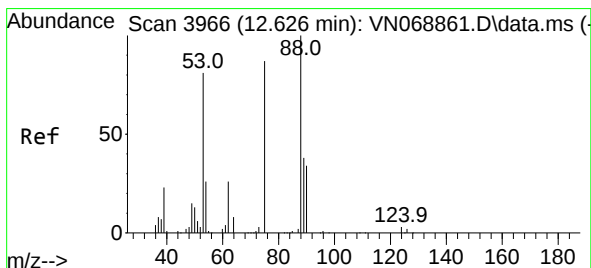
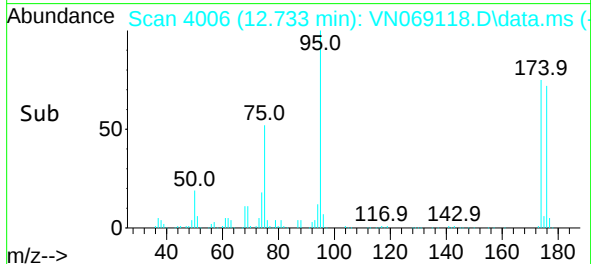
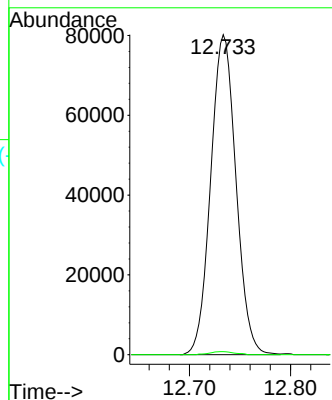
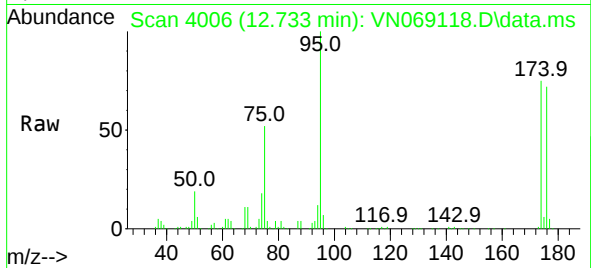




#76
1,2,3-Trichloropropane
Concen: 30.110 ug/l
RT: 12.733 min Scan# 4006
Delta R.T. -0.148 min
Lab File: VN069118.D
Acq: 22 Oct 2021 4:37

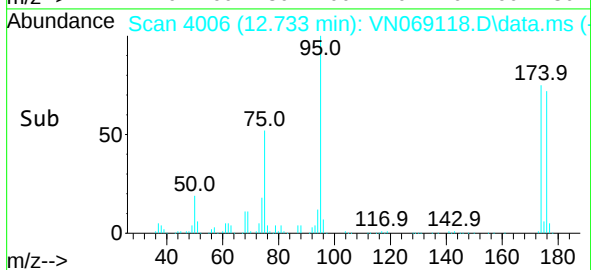
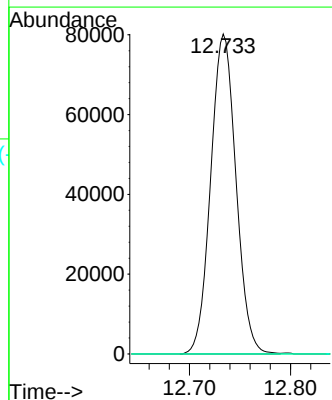
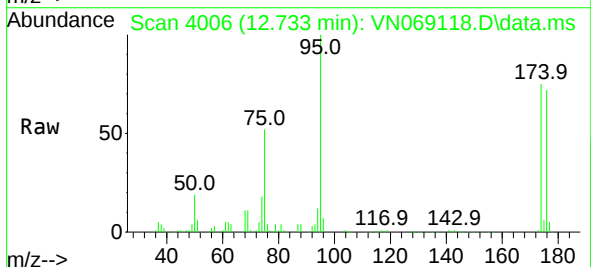
Instrument :
MSVOA_N
ClientSampled :

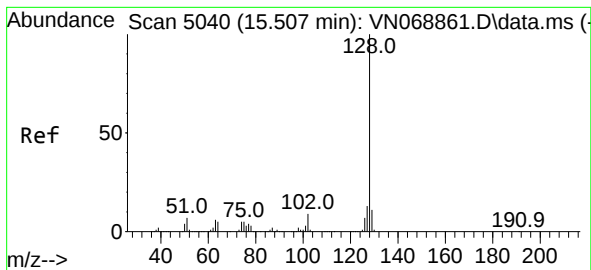
Tgt Ion: 75 Resp: 139296
Ion Ratio Lower Upper
75 100
77 0.9 96.2 288.4#



#81
trans-1,4-Dichloro-2-butene
Concen: 72.036 ug/l
RT: 12.733 min Scan# 4006
Delta R.T. 0.107 min
Lab File: VN069118.D
Acq: 22 Oct 2021 4:37

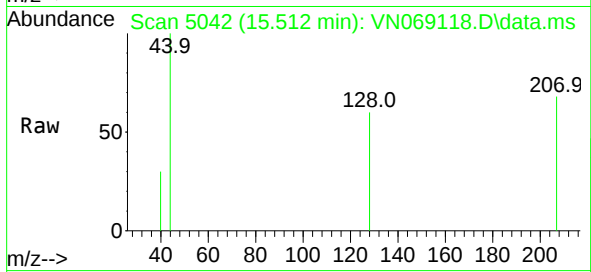
Tgt Ion: 75 Resp: 139296
Ion Ratio Lower Upper
75 100
53 0.0 75.4 113.2#
89 0.0 36.9 55.3#





#95
Naphthalene
Concen: 3.876 ug/l
RT: 15.512 min Scan# 5042
Delta R.T. 0.005 min
Lab File: VN069118.D
Acq: 22 Oct 2021 4:37

Instrument :
MSVOA_N
ClientSampleId :



Tgt Ion:128 Resp: 708
Ion Ratio Lower Upper
128 100
127 0.0 10.5 15.7#
129 0.0 8.9 13.3#

