

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN102021\
 Data File : VN069068.D
 Acq On : 20 Oct 2021 17:52
 Operator : JC/MD
 Sample : M4252-04
 Misc : 5.00mL/MSVOA_N/WATER
 ALS Vial : 18 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :

Quant Time: Oct 20 23:15:32 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

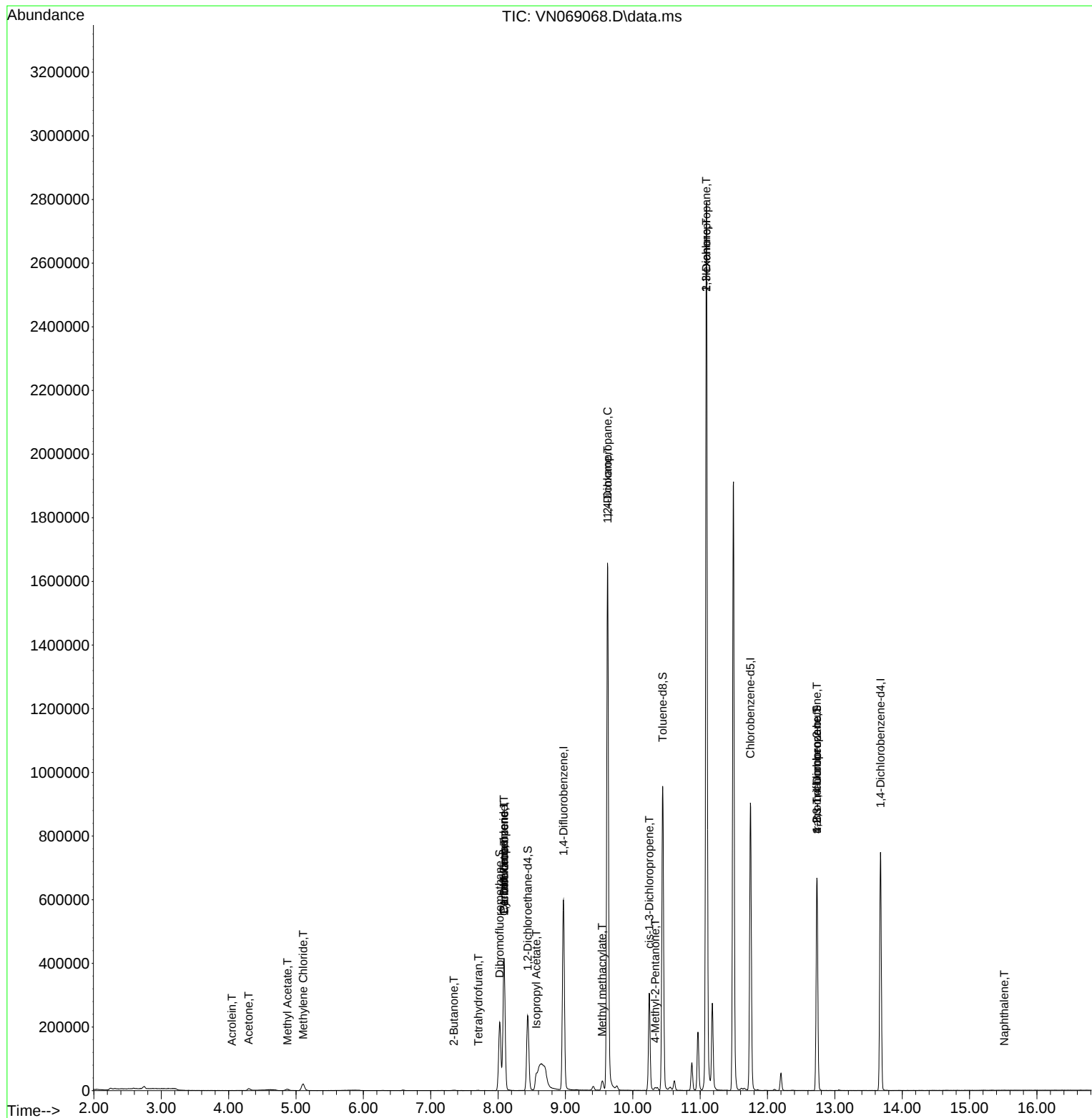
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	8.088	168	310617	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.971	114	544002	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.746	117	529957	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.677	152	194857	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.440	65	204338	49.895	ug/l	0.00
Spiked Amount	50.000	Range 61 - 141	Recovery	=	99.780%	
35) Dibromofluoromethane	8.024	113	160094	50.582	ug/l	0.00
Spiked Amount	50.000	Range 69 - 133	Recovery	=	101.160%	
50) Toluene-d8	10.443	98	686525	54.211	ug/l	0.00
Spiked Amount	50.000	Range 65 - 126	Recovery	=	108.420%	
62) 4-Bromofluorobenzene	12.733	95	244377	51.147	ug/l	0.00
Spiked Amount	50.000	Range 58 - 135	Recovery	=	102.300%	
Target Compounds						
					Qvalue	
13) Acrolein	4.049	56	108	0.326	ug/l #	13
16) Acetone	4.296	43	11302	7.395	ug/l	98
18) Methyl Acetate	4.873	43	10126	1.747	ug/l	94
20) Methylene Chloride	5.106	84	17332	4.927	ug/l	90
25) 2-Butanone	7.343	43	2743	1.187	ug/l	92
29) Tetrahydrofuran	7.707	42	839	0.560	ug/l #	49
31) Cyclohexane	8.091	56	7291	1.145	ug/l #	12
36) 1,1-Dichloropropene	8.091	75	26027	5.601	ug/l #	49
38) Carbon Tetrachloride	8.088	117	31578	6.188	ug/l #	15
43) Isopropyl Acetate	8.568	43	48021	5.671	ug/l #	85
45) 1,2-Dichloropropane	9.628	63	2108	0.574	ug/l #	43
48) Methyl methacrylate	9.545	41	8139	2.046	ug/l #	13
49) 1,4-Dioxane	9.625	88	52	36.280	ug/l #	1
51) 4-Methyl-2-Pentanone	10.336	43	4117	0.839	ug/l #	77
54) cis-1,3-Dichloropropene	10.245	75	57321	9.365	ug/l #	61
57) 1,3-Dichloropropane	11.092	76	30834	5.210	ug/l #	42
59) 2-Hexanone	11.092	43	433433	123.102	ug/l #	51
76) 1,2,3-Trichloropropane	12.733	75	127936	30.858	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.733	75	127936	73.825	ug/l #	12
95) Naphthalene	15.517	128	303	3.843	ug/l #	69

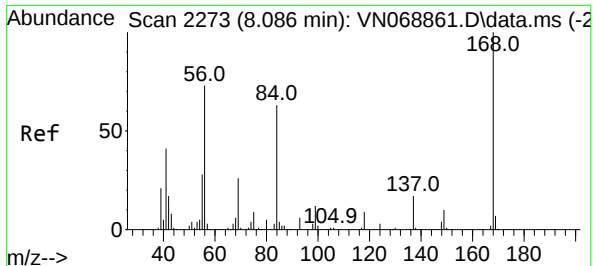
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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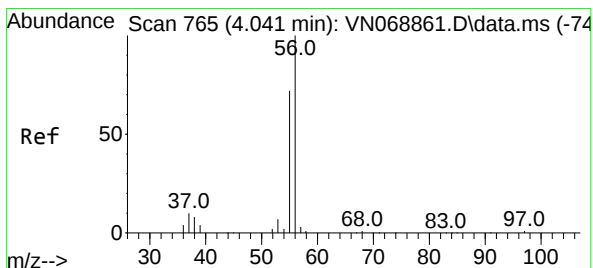
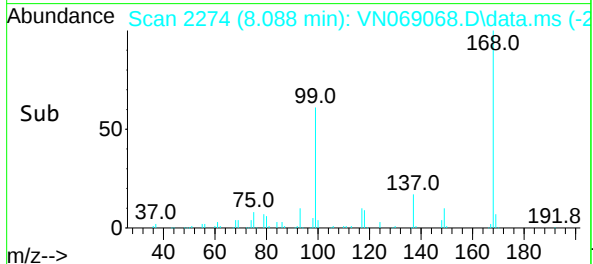
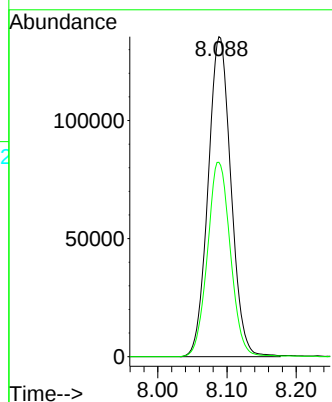
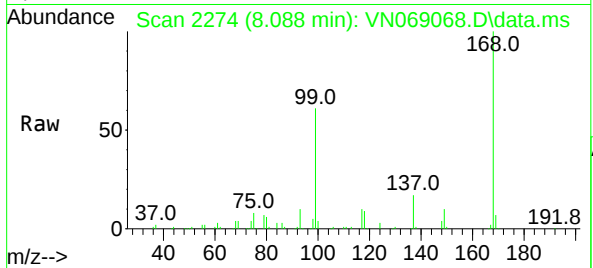




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.088 min Scan# 2274
Delta R.T. 0.002 min
Lab File: VN069068.D
Acq: 20 Oct 2021 17:52

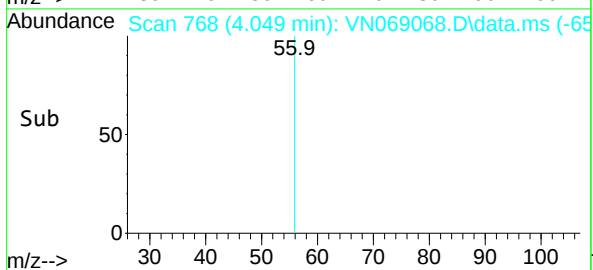
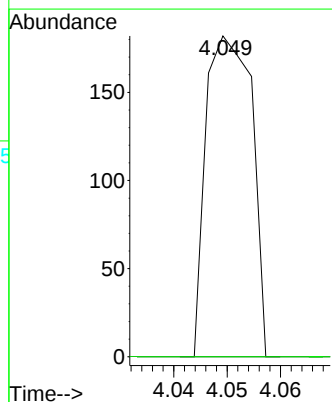
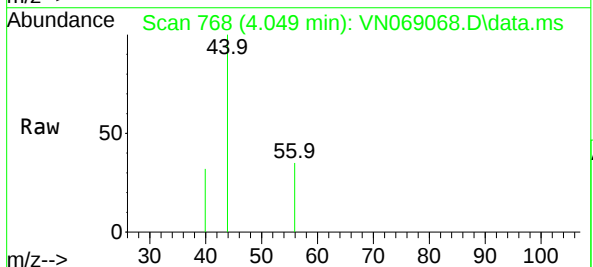
Instrument :
MSVOA_N
ClientSampled :

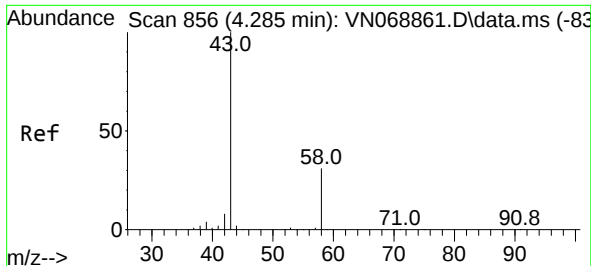
Tgt Ion:168 Resp: 310617
Ion Ratio Lower Upper
168 100
99 60.7 48.9 73.3



#13
Acrolein
Concen: 0.326 ug/l
RT: 4.049 min Scan# 768
Delta R.T. 0.008 min
Lab File: VN069068.D
Acq: 20 Oct 2021 17:52

Tgt Ion: 56 Resp: 108
Ion Ratio Lower Upper
56 100
55 0.0 58.1 87.1#

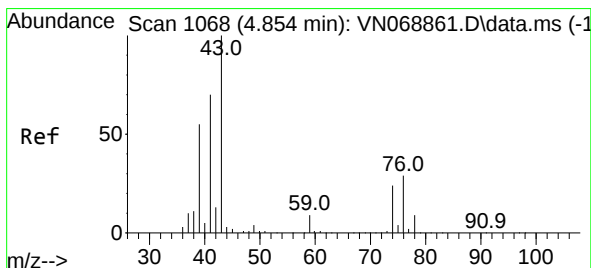
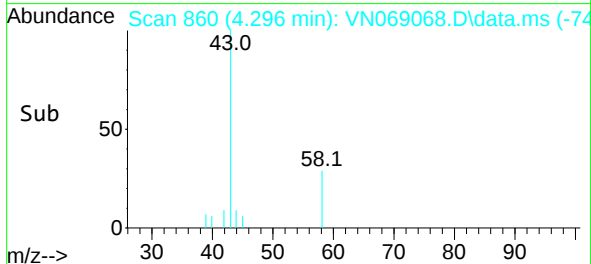
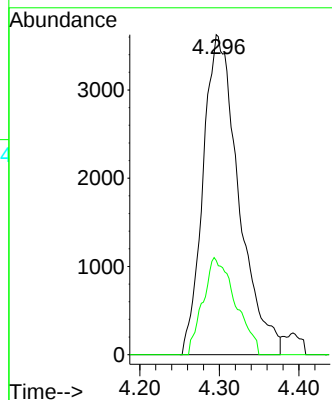
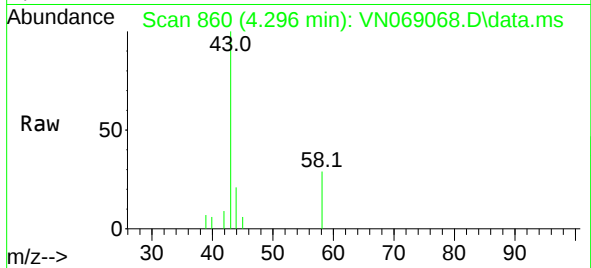




#16
Acetone
Concen: 7.395 ug/l
RT: 4.296 min Scan# 860
Delta R.T. 0.011 min
Lab File: VN069068.D
Acq: 20 Oct 2021 17:52

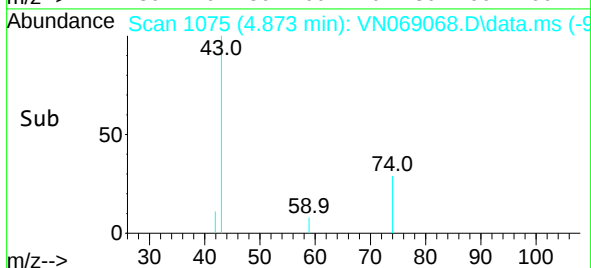
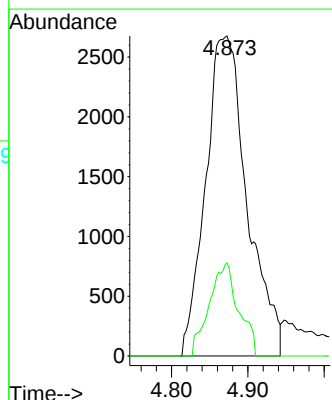
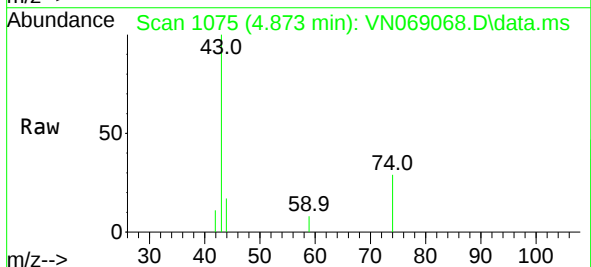
Instrument :
MSVOA_N
ClientSampled :

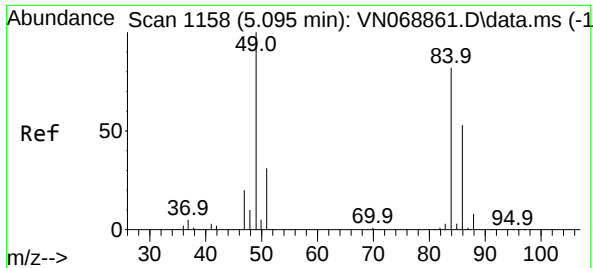
Tgt Ion: 43 Resp: 11302
Ion Ratio Lower Upper
43 100
58 29.4 24.5 36.7



#18
Methyl Acetate
Concen: 1.747 ug/l
RT: 4.873 min Scan# 1075
Delta R.T. 0.019 min
Lab File: VN069068.D
Acq: 20 Oct 2021 17:52

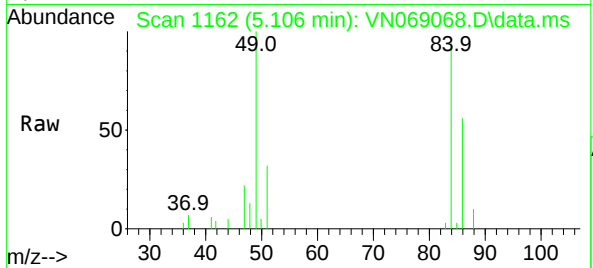
Tgt Ion: 43 Resp: 10126
Ion Ratio Lower Upper
43 100
74 20.5 18.9 28.3



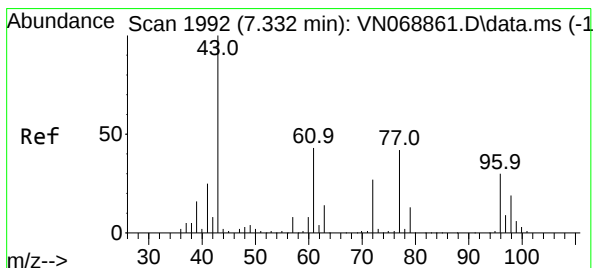
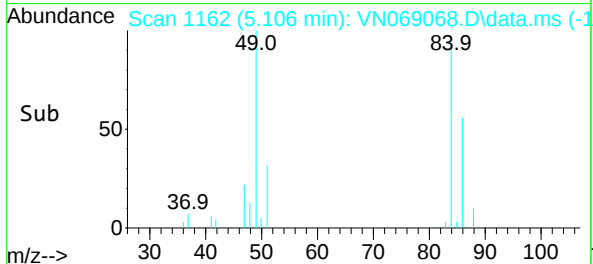
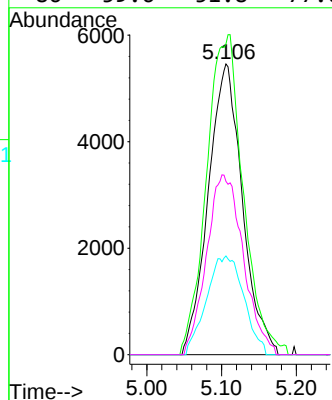


#20
Methylene Chloride
Concen: 4.927 ug/l
RT: 5.106 min Scan# 1162
Delta R.T. 0.011 min
Lab File: VN069068.D
Acq: 20 Oct 2021 17:52

Instrument :
MSVOA_N
ClientSampled :

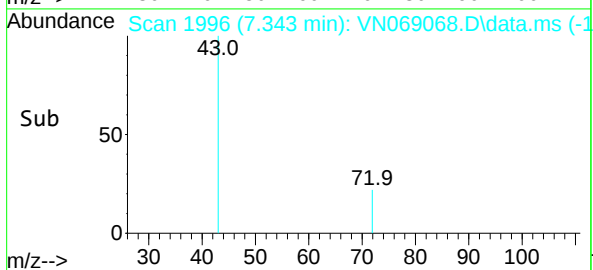
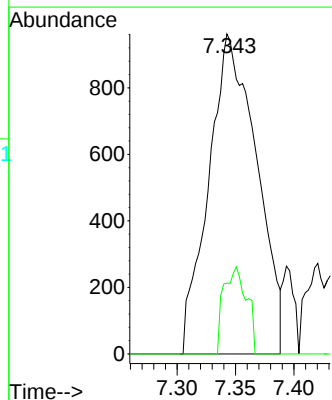
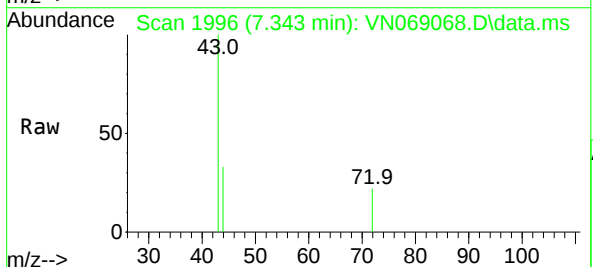


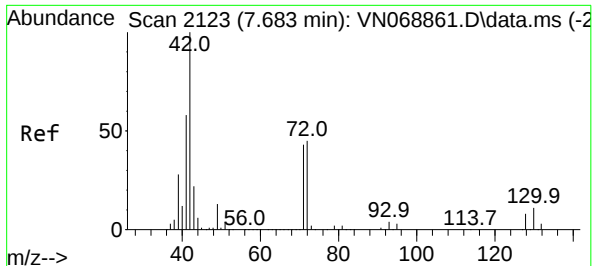
Tgt Ion:	84	Resp:	17332
Ion	Ratio	Lower	Upper
84	100		
49	106.9	97.6	146.4
51	34.0	30.3	45.5
86	59.6	51.8	77.6



#25
2-Butanone
Concen: 1.187 ug/l
RT: 7.343 min Scan# 1996
Delta R.T. 0.011 min
Lab File: VN069068.D
Acq: 20 Oct 2021 17:52

Tgt Ion:	43	Resp:	2743
Ion	Ratio	Lower	Upper
43	100		
72	22.1	21.2	31.8





#29

Tetrahydrofuran

Concen: 0.560 ug/l

RT: 7.707 min Scan# 2132

Delta R.T. 0.024 min

Lab File: VN069068.D

Acq: 20 Oct 2021 17:52

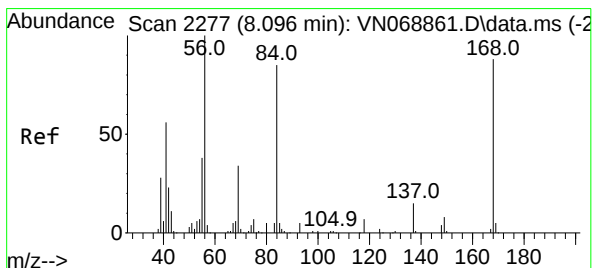
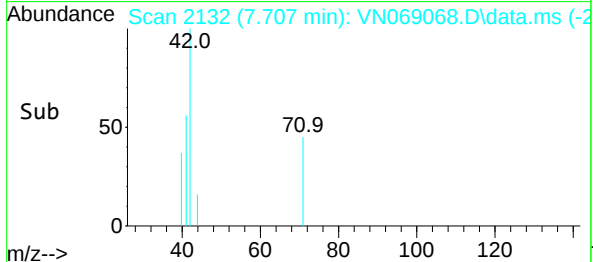
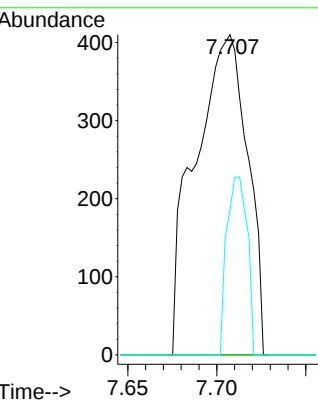
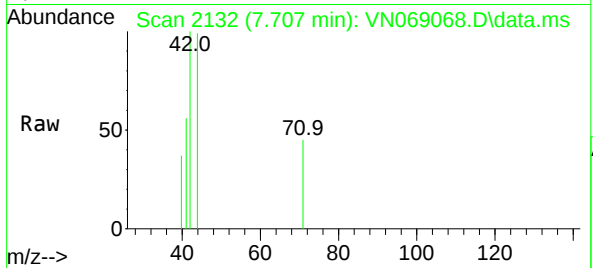
Tgt Ion: 42 Resp: 839

Ion Ratio Lower Upper

42 100

72 0.0 35.4 53.2#

71 21.6 33.8 50.6#



#31

Cyclohexane

Concen: 1.145 ug/l

RT: 8.091 min Scan# 2275

Delta R.T. -0.005 min

Lab File: VN069068.D

Acq: 20 Oct 2021 17:52

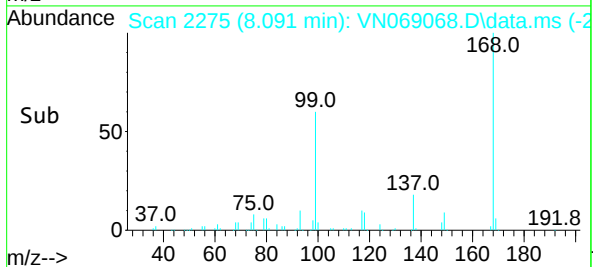
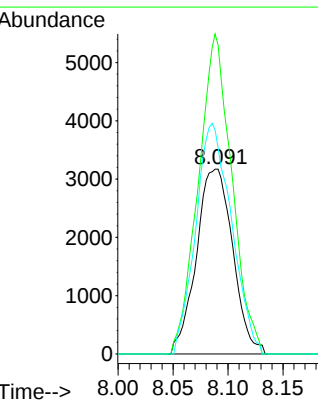
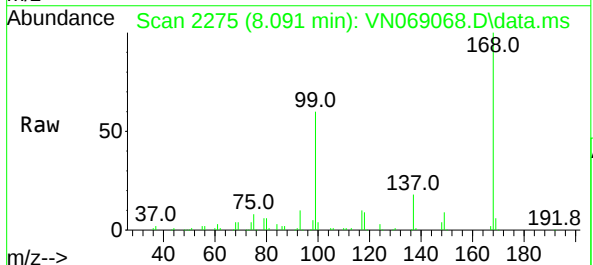
Tgt Ion: 56 Resp: 7291

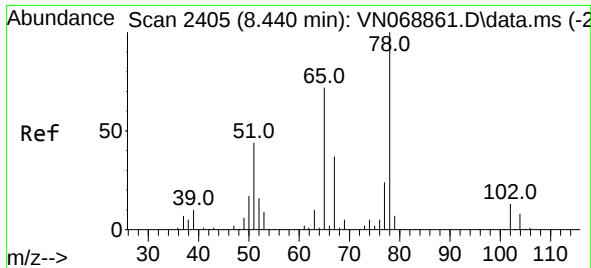
Ion Ratio Lower Upper

56 100

69 167.0 26.9 40.3#

84 111.5 67.6 101.4#

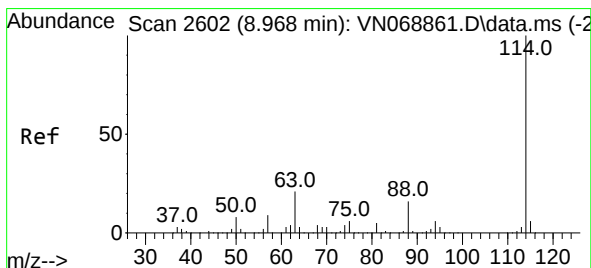
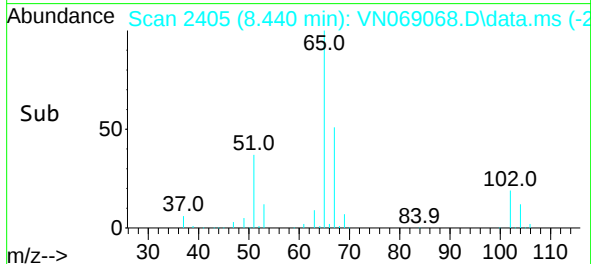
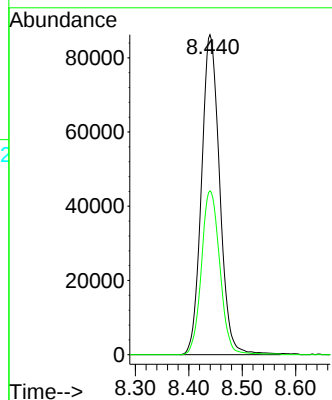
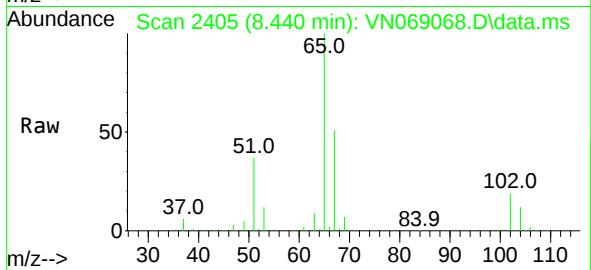




#33
 1,2-Dichloroethane-d4
 Concen: 49.895 ug/l
 RT: 8.440 min Scan# 2405
 Delta R.T. -0.000 min
 Lab File: VN069068.D
 Acq: 20 Oct 2021 17:52

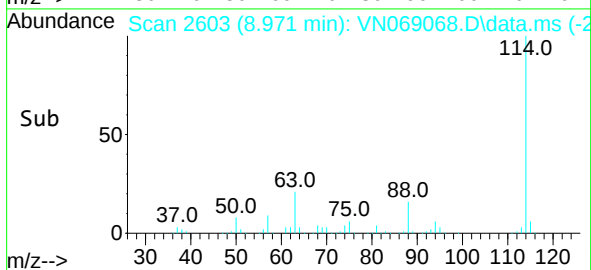
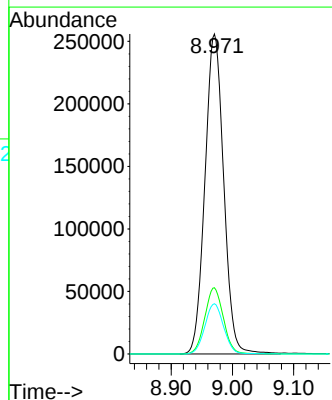
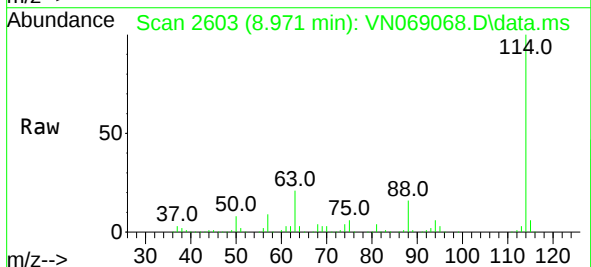
Instrument :
 MSVOA_N
 ClientSampled :

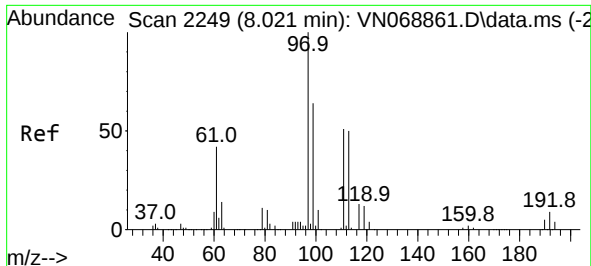
Tgt Ion: 65 Resp: 204338
 Ion Ratio Lower Upper
 65 100
 67 51.6 0.0 103.8



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.971 min Scan# 2603
 Delta R.T. 0.003 min
 Lab File: VN069068.D
 Acq: 20 Oct 2021 17:52

Tgt Ion: 114 Resp: 544002
 Ion Ratio Lower Upper
 114 100
 63 20.7 0.0 42.6
 88 15.7 0.0 32.0

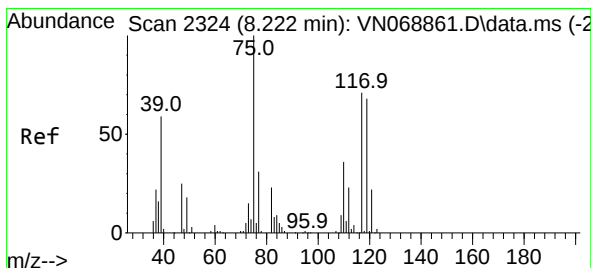
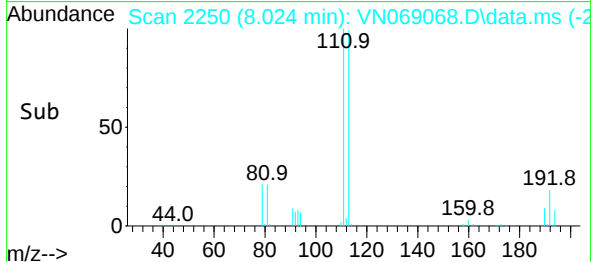
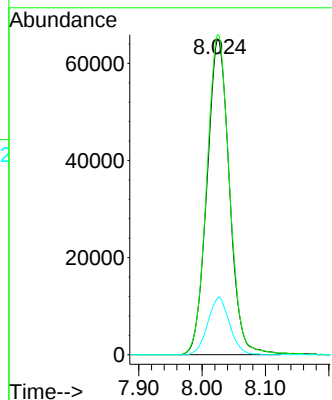
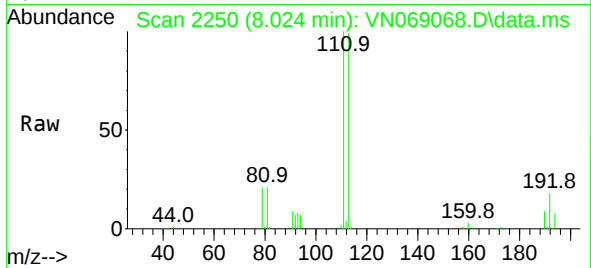




#35
Dibromofluoromethane
Concen: 50.582 ug/l
RT: 8.024 min Scan# 2250
Delta R.T. 0.003 min
Lab File: VN069068.D
Acq: 20 Oct 2021 17:52

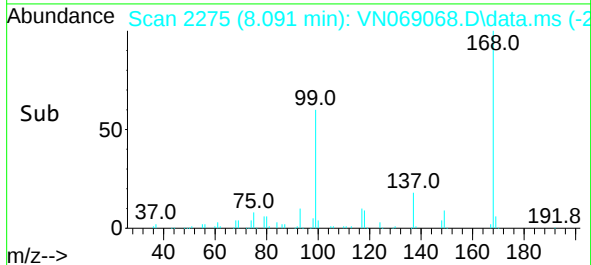
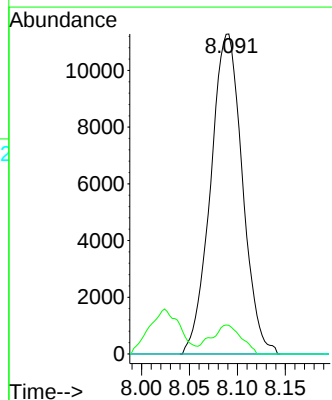
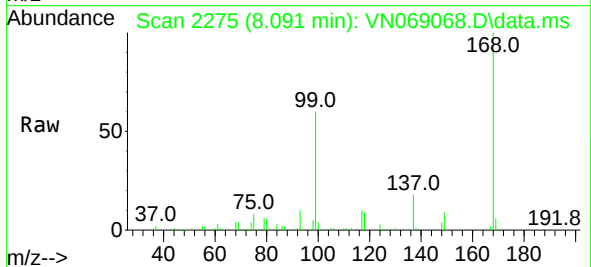
Instrument :
MSVOA_N
ClientSampled :

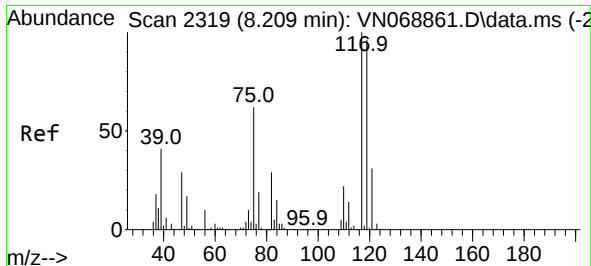
Tgt Ion:113 Resp: 160094
Ion Ratio Lower Upper
113 100
111 102.5 83.2 124.8
192 17.7 15.0 22.4



#36
1,1-Dichloropropene
Concen: 5.601 ug/l
RT: 8.091 min Scan# 2275
Delta R.T. -0.131 min
Lab File: VN069068.D
Acq: 20 Oct 2021 17:52

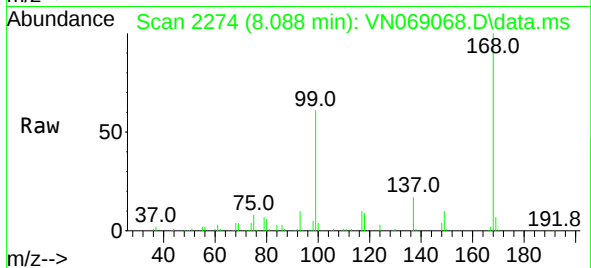
Tgt Ion: 75 Resp: 26027
Ion Ratio Lower Upper
75 100
110 8.5 17.9 53.8#
77 0.0 24.7 37.1#



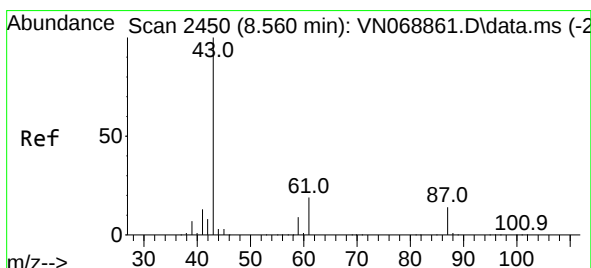
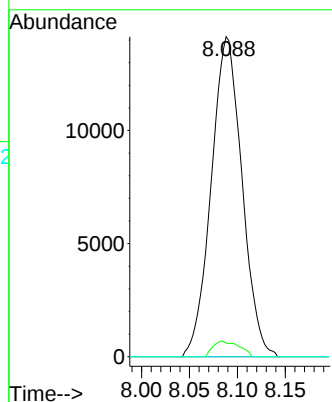
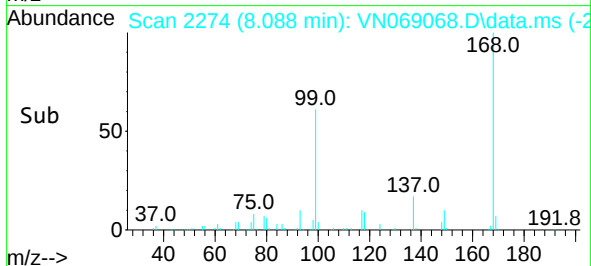


#38
Carbon Tetrachloride
Concen: 6.188 ug/l
RT: 8.088 min Scan# 2274
Delta R.T. -0.121 min
Lab File: VN069068.D
Acq: 20 Oct 2021 17:52

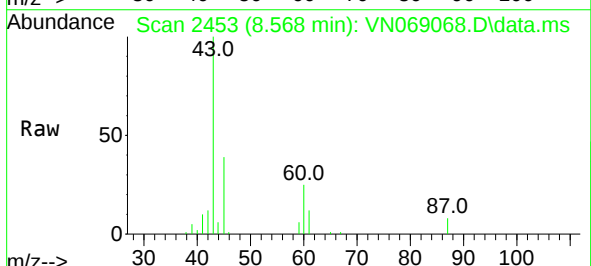
Instrument :
MSVOA_N
ClientSampled :



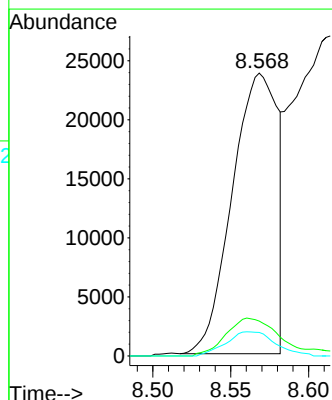
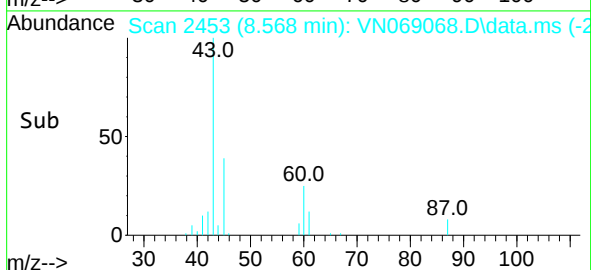
Tgt Ion:117 Resp: 31578
Ion Ratio Lower Upper
117 100
119 4.2 76.9 115.3#
121 0.0 24.6 37.0#

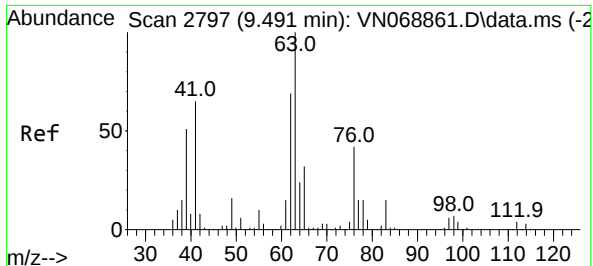


#43
Isopropyl Acetate
Concen: 5.671 ug/l
RT: 8.568 min Scan# 2453
Delta R.T. 0.008 min
Lab File: VN069068.D
Acq: 20 Oct 2021 17:52



Tgt Ion: 43 Resp: 48021
Ion Ratio Lower Upper
43 100
61 16.5 20.4 30.6#
87 9.4 10.7 16.1#



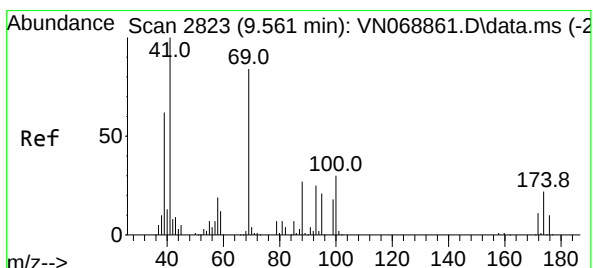
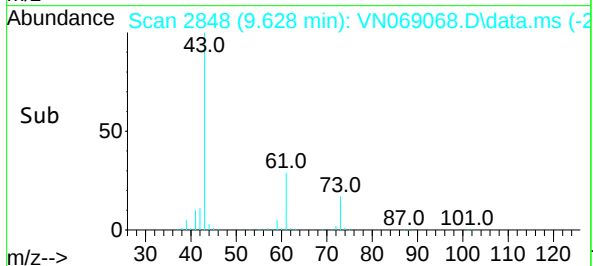
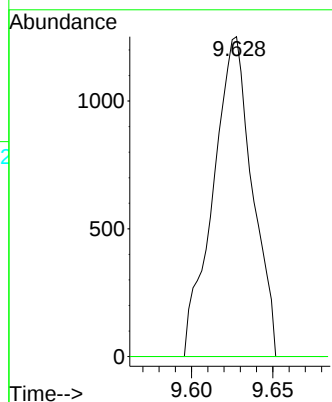
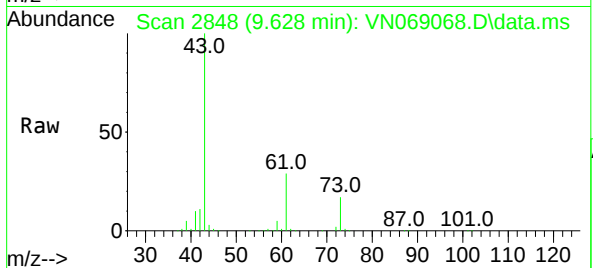


#45

1,2-Dichloropropane
Concen: 0.574 ug/l
RT: 9.628 min Scan# 2848
Delta R.T. 0.137 min
Lab File: VN069068.D
Acq: 20 Oct 2021 17:52

Instrument :
MSVOA_N
ClientSampled :

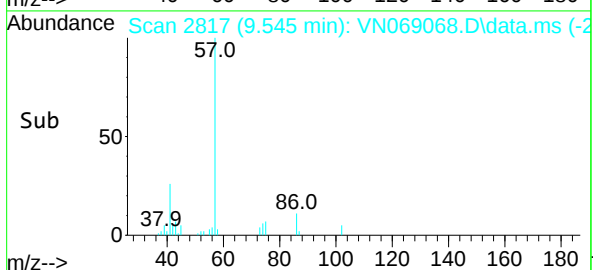
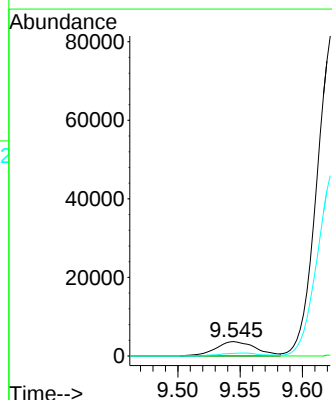
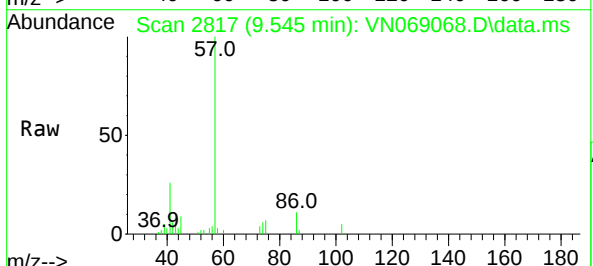
Tgt Ion: 63 Resp: 2108
Ion Ratio Lower Upper
63 100
65 0.0 25.6 38.4#

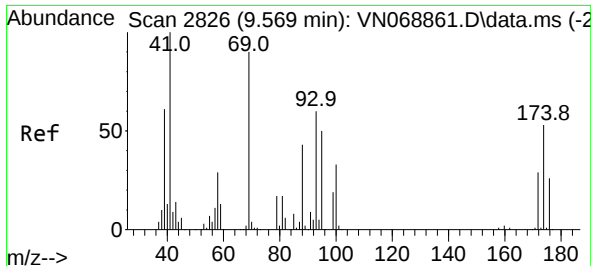


#48

Methyl methacrylate
Concen: 2.046 ug/l
RT: 9.545 min Scan# 2817
Delta R.T. -0.016 min
Lab File: VN069068.D
Acq: 20 Oct 2021 17:52

Tgt Ion: 41 Resp: 8139
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: 36.280 ug/l

RT: 9.625 min Scan# 2847

Delta R.T. 0.056 min

Lab File: VN069068.D

Acq: 20 Oct 2021 17:52

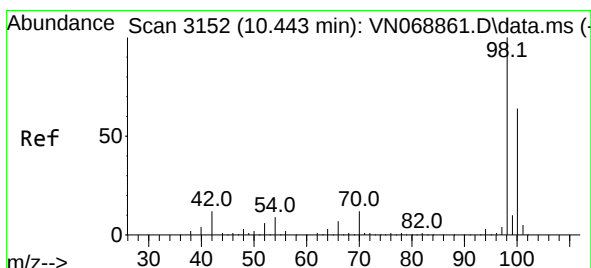
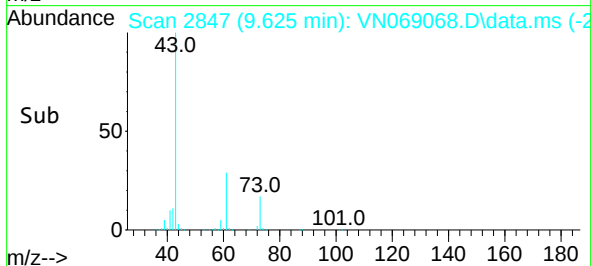
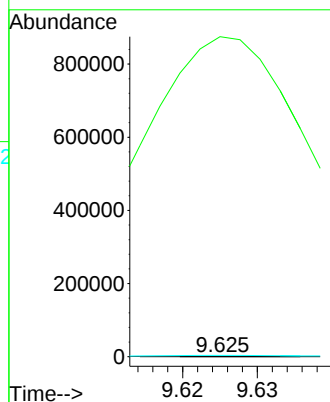
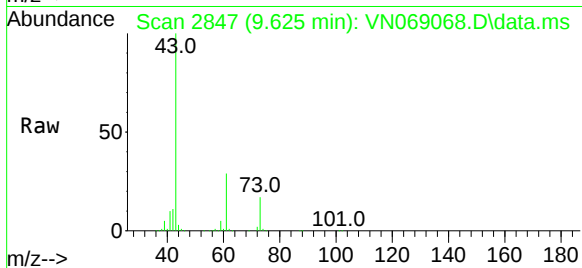
Tgt Ion: 88 Resp: 52

Ion Ratio Lower Upper

88 100

43 3250398.1 24.9 37.3#

58 12669.2 56.9 85.3#



#50

Toluene-d8

Concen: 54.211 ug/l

RT: 10.443 min Scan# 3152

Delta R.T. -0.000 min

Lab File: VN069068.D

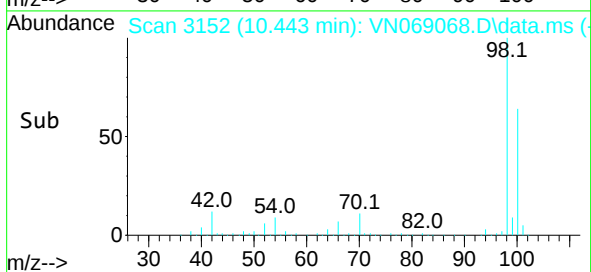
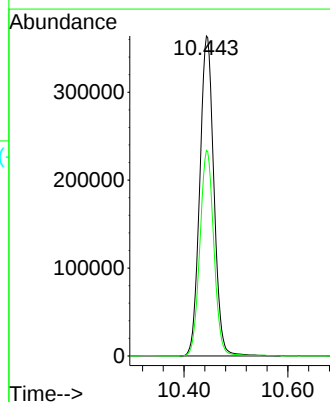
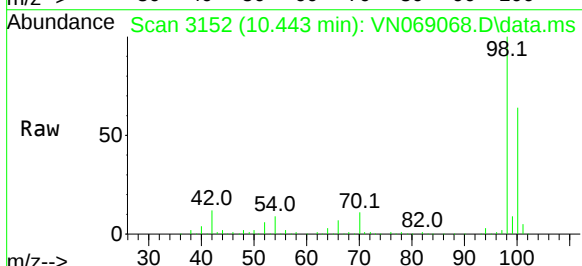
Acq: 20 Oct 2021 17:52

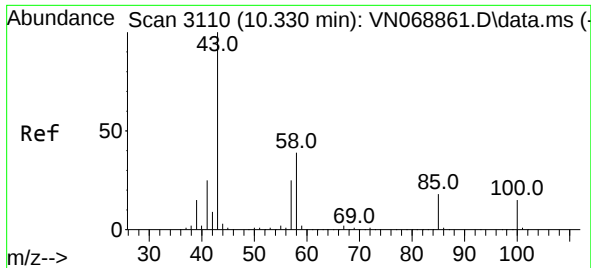
Tgt Ion: 98 Resp: 686525

Ion Ratio Lower Upper

98 100

100 63.6 51.5 77.3

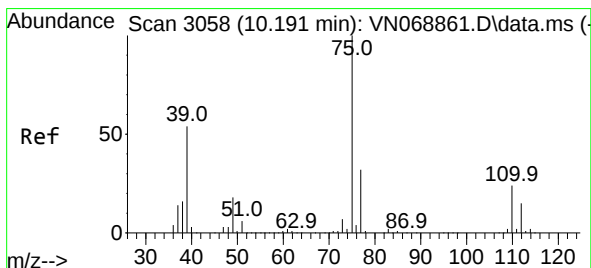
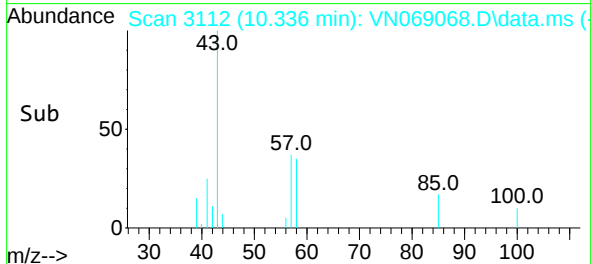
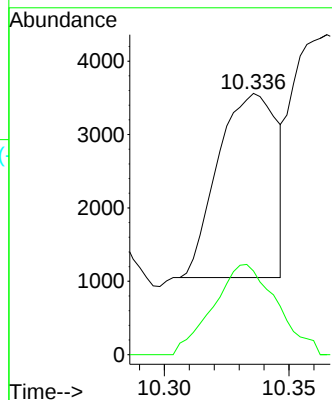
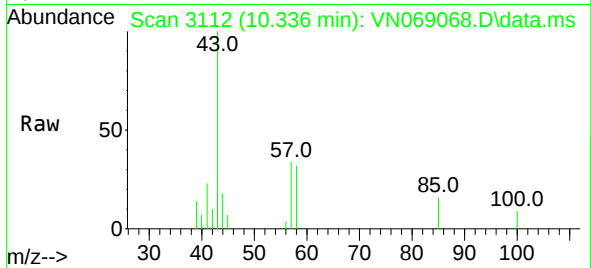




#51
4-Methyl-2-Pentanone
Concen: 0.839 ug/l
RT: 10.336 min Scan# 3112
Delta R.T. 0.005 min
Lab File: VN069068.D
Acq: 20 Oct 2021 17:52

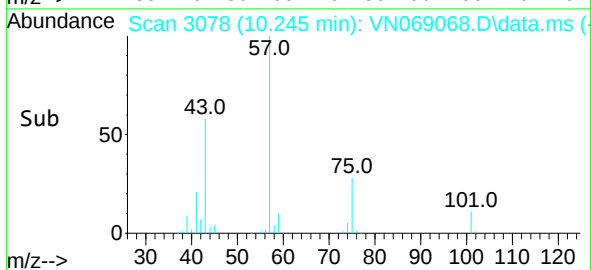
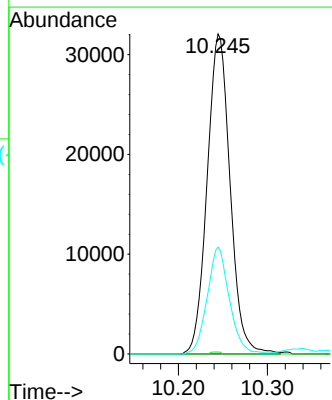
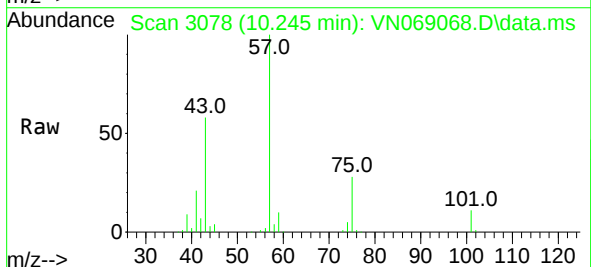
Instrument :
MSVOA_N
ClientSampled :

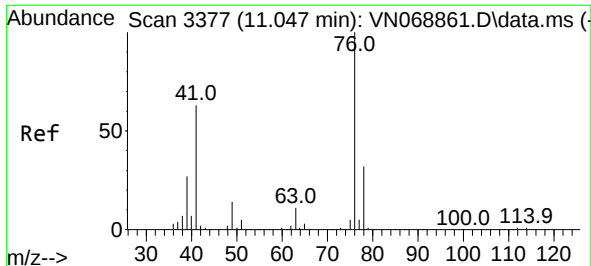
Tgt Ion: 43 Resp: 4117
Ion Ratio Lower Upper
43 100
58 53.0 31.0 46.4#



#54
cis-1,3-Dichloropropene
Concen: 9.365 ug/l
RT: 10.245 min Scan# 3078
Delta R.T. 0.054 min
Lab File: VN069068.D
Acq: 20 Oct 2021 17:52

Tgt Ion: 75 Resp: 57321
Ion Ratio Lower Upper
75 100
77 0.6 25.6 38.4#
39 33.4 42.9 64.3#

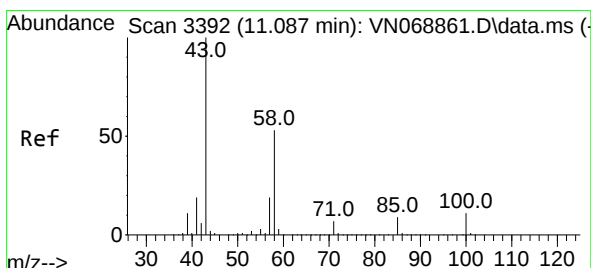
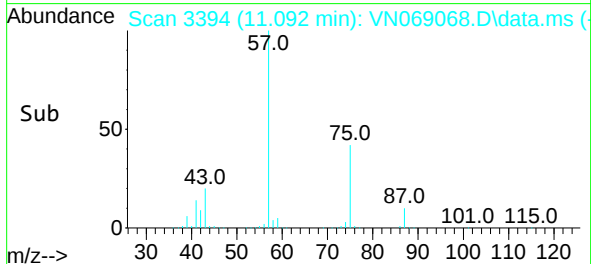
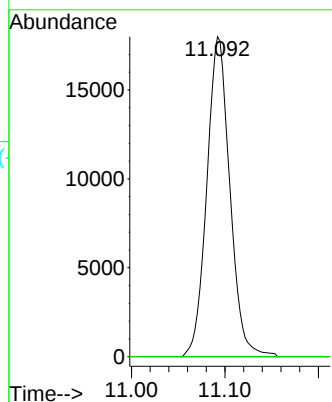
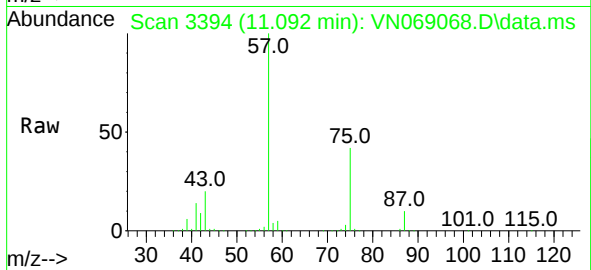




#57
1,3-Dichloropropane
Concen: 5.210 ug/l
RT: 11.092 min Scan# 3394
Delta R.T. 0.046 min
Lab File: VN069068.D
Acq: 20 Oct 2021 17:52

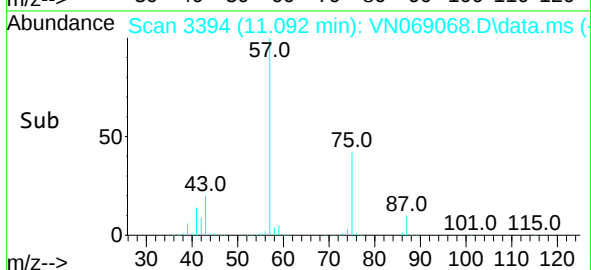
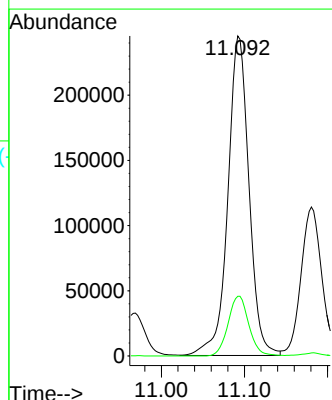
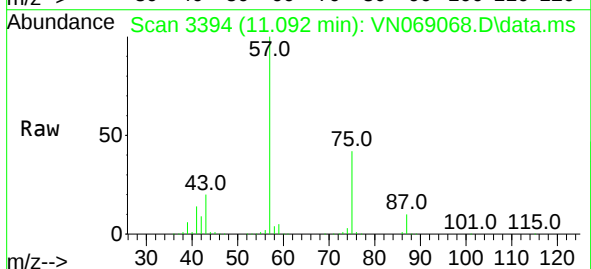
Instrument :
MSVOA_N
ClientSampled :

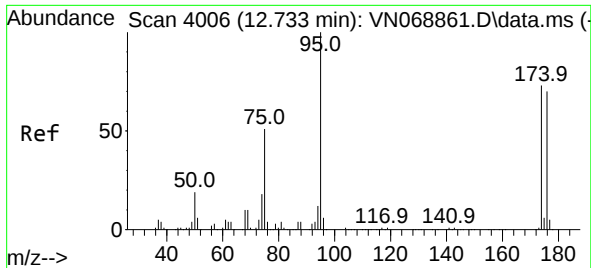
Tgt Ion: 76 Resp: 30834
Ion Ratio Lower Upper
76 100
78 0.0 25.8 38.8#



#59
2-Hexanone
Concen: 123.102 ug/l
RT: 11.092 min Scan# 3394
Delta R.T. 0.005 min
Lab File: VN069068.D
Acq: 20 Oct 2021 17:52

Tgt Ion: 43 Resp: 433433
Ion Ratio Lower Upper
43 100
58 18.4 26.9 80.7#

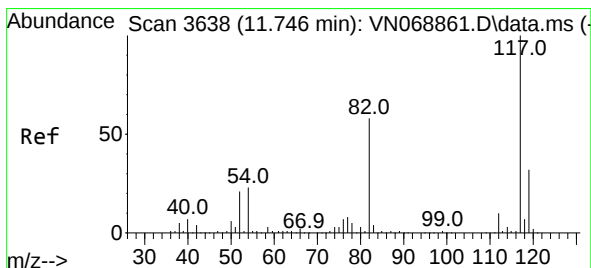
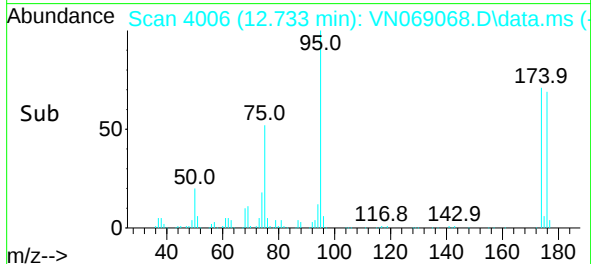
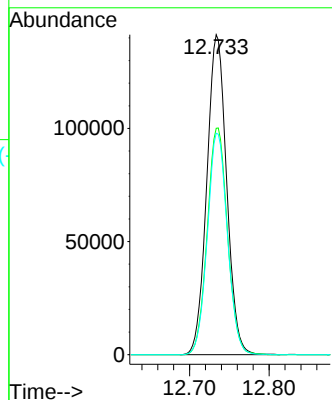
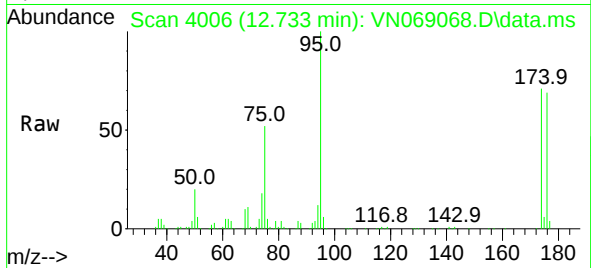




#62
4-Bromofluorobenzene
Concen: 51.147 ug/l
RT: 12.733 min Scan# 4006
Delta R.T. -0.000 min
Lab File: VN069068.D
Acq: 20 Oct 2021 17:52

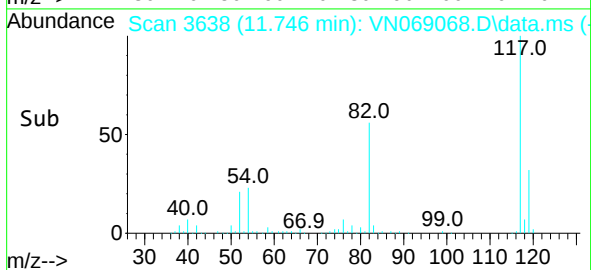
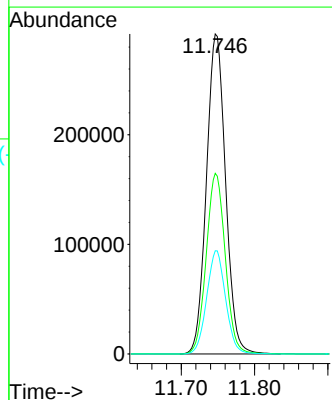
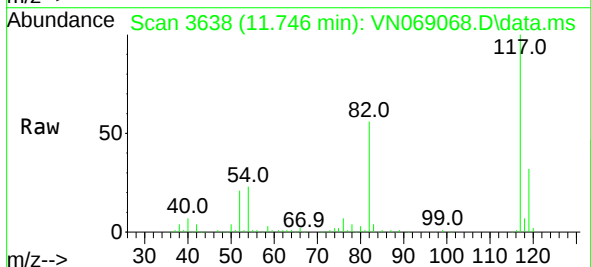
Instrument :
MSVOA_N
ClientSampled :

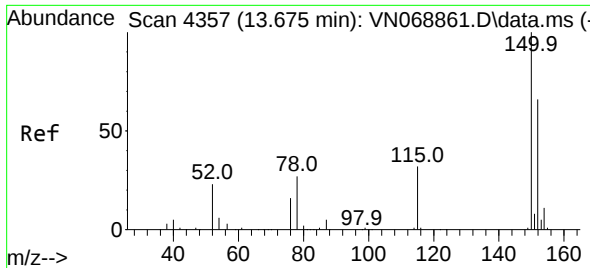
Tgt Ion: 95 Resp: 244377
Ion Ratio Lower Upper
95 100
174 72.4 0.0 144.8
176 70.0 0.0 140.0



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.746 min Scan# 3638
Delta R.T. -0.000 min
Lab File: VN069068.D
Acq: 20 Oct 2021 17:52

Tgt Ion: 117 Resp: 529957
Ion Ratio Lower Upper
117 100
82 56.4 46.4 69.6
119 32.2 26.0 39.0

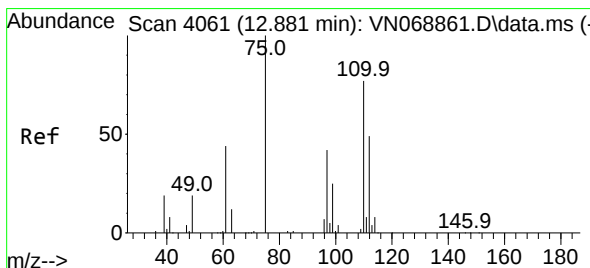
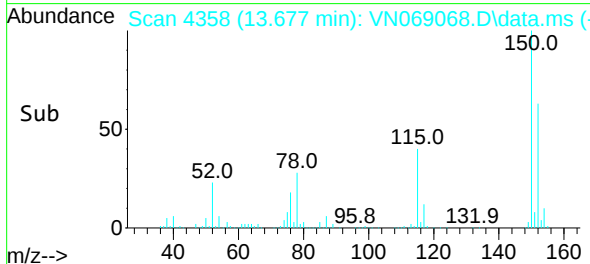
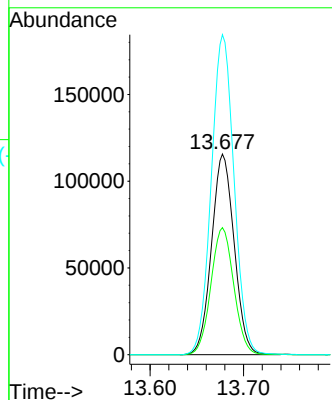
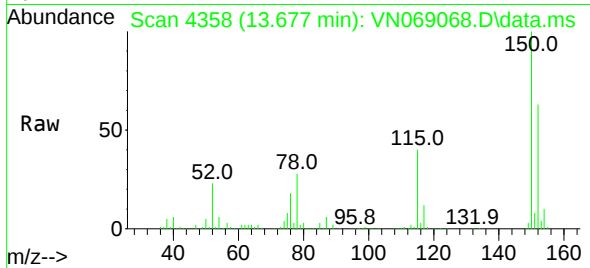




#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 13.677 min Scan# 4358
 Delta R.T. 0.003 min
 Lab File: VN069068.D
 Acq: 20 Oct 2021 17:52

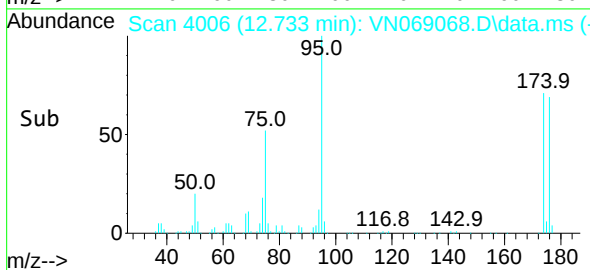
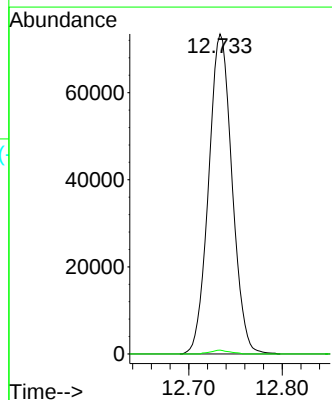
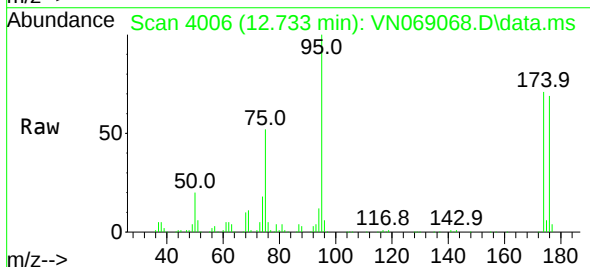
Instrument :
 MSVOA_N
 ClientSampled :

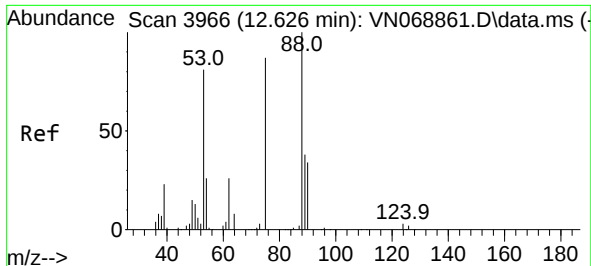
Tgt Ion:152 Resp: 194857
 Ion Ratio Lower Upper
 152 100
 115 63.9 31.4 94.3
 150 160.6 0.0 351.0



#76
 1,2,3-Trichloropropane
 Concen: 30.858 ug/l
 RT: 12.733 min Scan# 4006
 Delta R.T. -0.148 min
 Lab File: VN069068.D
 Acq: 20 Oct 2021 17:52

Tgt Ion: 75 Resp: 127936
 Ion Ratio Lower Upper
 75 100
 77 1.0 96.2 288.4#

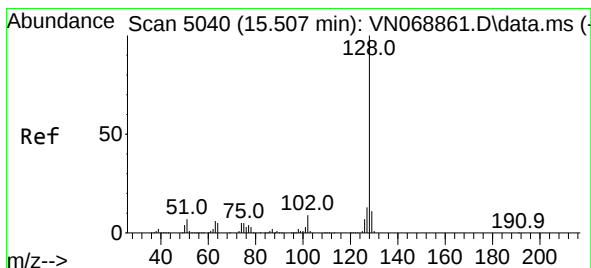
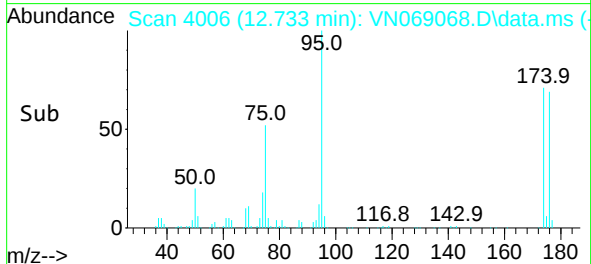
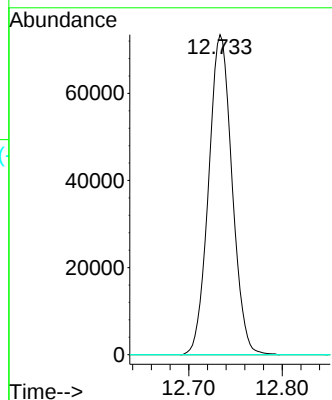
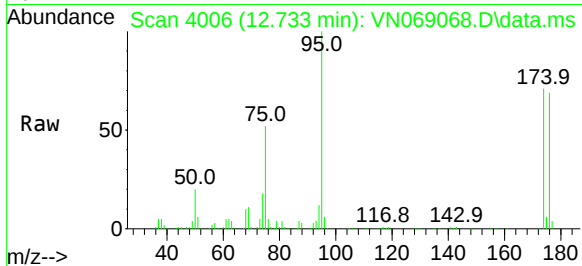




#81
trans-1,4-Dichloro-2-butene
Concen: 73.825 ug/l
RT: 12.733 min Scan# 4006
Delta R.T. 0.107 min
Lab File: VN069068.D
Acq: 20 Oct 2021 17:52

Instrument :
MSVOA_N
ClientSampled :

Tgt Ion: 75 Resp: 127936
Ion Ratio Lower Upper
75 100
53 0.0 75.4 113.2#
89 0.0 36.9 55.3#



#95
Naphthalene
Concen: 3.843 ug/l
RT: 15.517 min Scan# 5044
Delta R.T. 0.010 min
Lab File: VN069068.D
Acq: 20 Oct 2021 17:52

Tgt Ion:128 Resp: 303
Ion Ratio Lower Upper
128 100
127 0.0 10.5 15.7#
129 0.0 8.9 13.3#

