

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN080921\
 Data File : VN067042.D
 Acq On : 9 Aug 2021 16:44
 Operator : JC/MD
 Sample : PB138255TB
 Misc : 5.00mL/MSVOA_N/WATER
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :

Quant Time: Aug 10 03:52:03 2021
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N072921W.M
 Quant Title : SW846 8260
 QLast Update : Thu Jul 29 15:02:35 2021
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

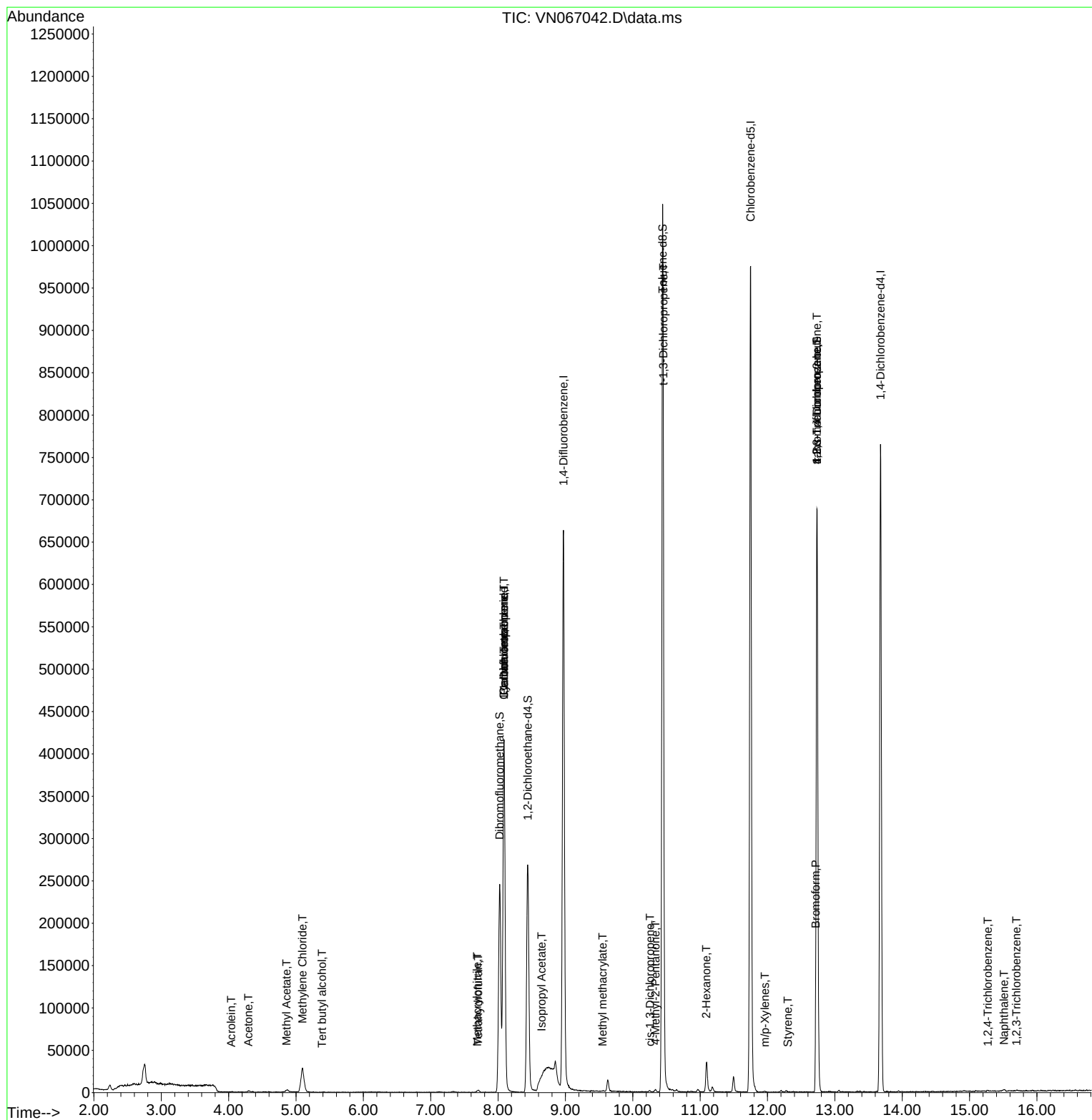
Internal Standards						
1) Pentafluorobenzene	8.088	168	298946	50.000	ug/l	# 0.00
34) 1,4-Difluorobenzene	8.971	114	584197	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.749	117	571476	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.677	152	206818	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.440	65	233145	55.090	ug/l	0.00
Spiked Amount 50.000	Range 61 - 141		Recovery = 110.180%			
35) Dibromofluoromethane	8.024	113	180165	52.918	ug/l	0.00
Spiked Amount 50.000	Range 69 - 133		Recovery = 105.840%			
50) Toluene-d8	10.443	98	732992	46.909	ug/l	0.00
Spiked Amount 50.000	Range 65 - 126		Recovery = 93.820%			
62) 4-Bromofluorobenzene	12.733	95	246167	43.519	ug/l	0.00
Spiked Amount 50.000	Range 58 - 135		Recovery = 87.040%			
Target Compounds						
						Qvalue
11) Tert butyl alcohol	5.388	59	328	0.578	ug/l	# 71
13) Acrolein	4.038	56	181	0.470	ug/l	# 14
16) Acetone	4.293	43	514	0.333	ug/l	# 57
18) Methyl Acetate	4.856	43	2365	0.536	ug/l	97
20) Methylene Chloride	5.095	84	22578	6.082	ug/l	86
29) Tetrahydrofuran	7.705	42	1912	1.333	ug/l	# 61
31) Cyclohexane	8.086	56	7169	1.148	ug/l	# 10
36) 1,1-Dichloropropene	8.086	75	26585	4.920	ug/l	# 51
38) Carbon Tetrachloride	8.088	117	33367	6.279	ug/l	# 17
41) Methacrylonitrile	7.689	41	527	0.218	ug/l	# 44
43) Isopropyl Acetate	8.646	43	17782	2.098	ug/l	# 58
48) Methyl methacrylate	9.553	41	204	2.351	ug/l	# 12
51) 4-Methyl-2-Pentanone	10.338	43	1680	12.825	ug/l	# 82
53) t-1,3-Dichloropropene	10.454	75	62	2.842	ug/l	# 72
54) cis-1,3-Dichloropropene	10.255	75	180	2.379	ug/l	# 32
59) 2-Hexanone	11.092	43	7542	14.911	ug/l	64
68) m/p-Xylenes	11.961	106	181	4.081	ug/l	# 49
70) Styrene	12.302	104	52	2.635	ug/l	# 22
71) Bromoform	12.715	173	31	4.039	ug/l	# 29
76) 1,2,3-Trichloropropane	12.733	75	135033	32.510	ug/l	# 100
81) trans-1,4-Dichloro-2-b...	12.733	75	135033	87.307	ug/l	# 6
93) 1,2,4-Trichlorobenzene	15.271	180	566	2.646	ug/l	# 43
95) Naphthalene	15.509	128	2355	3.376	ug/l	# 75
96) 1,2,3-Trichlorobenzene	15.697	180	162	2.421	ug/l	# 23

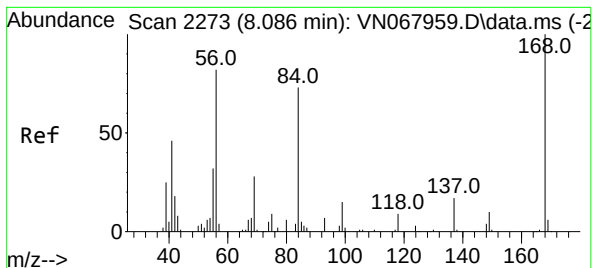
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : SW846 8260
QLast Update : Thu Jul 29 15:02:35 2021
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 8.088 min Scan# 2274

Delta R.T. 0.002 min

Lab File: VN067042.D

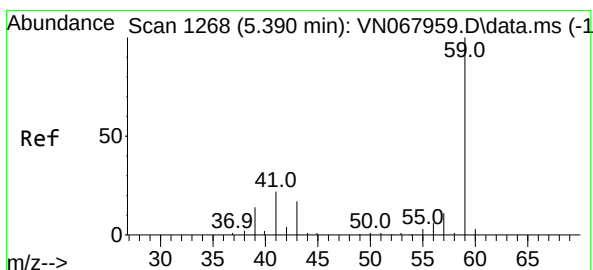
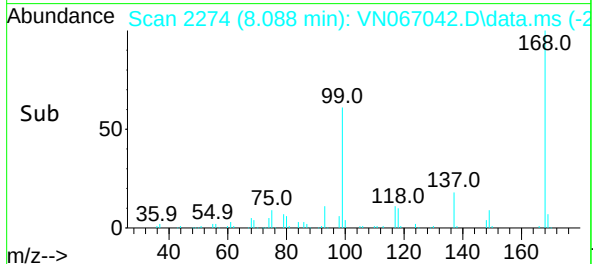
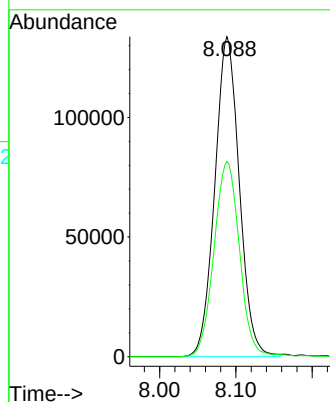
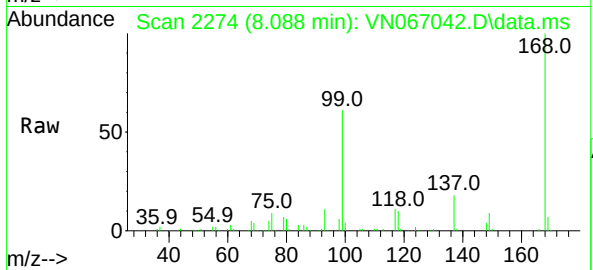
Acq: 9 Aug 2021 16:44

Tgt Ion:168 Resp: 298946

Ion Ratio Lower Upper

168 100

99 61.0 62.9 94.3#



#11

Tert butyl alcohol

Concen: 0.578 ug/l

RT: 5.388 min Scan# 1267

Delta R.T. -0.002 min

Lab File: VN067042.D

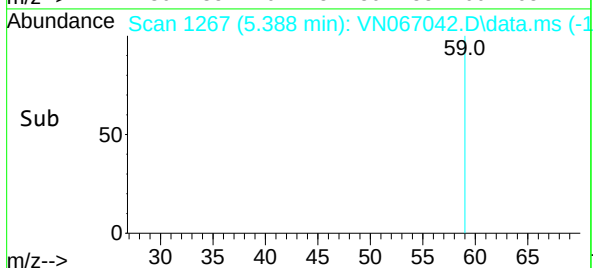
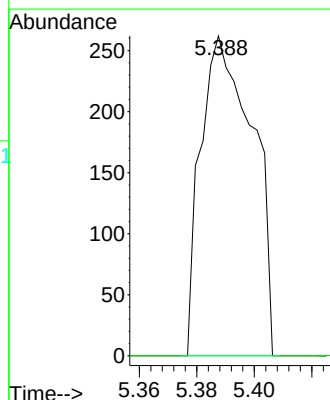
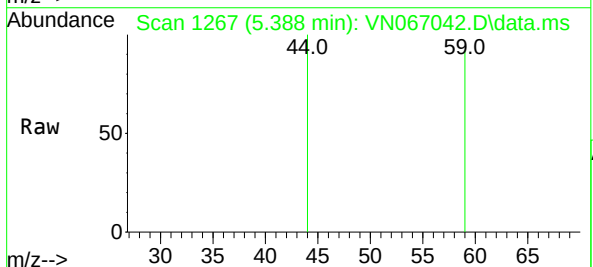
Acq: 9 Aug 2021 16:44

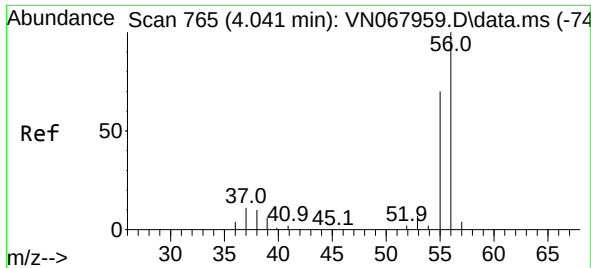
Tgt Ion: 59 Resp: 328

Ion Ratio Lower Upper

59 100

57 0.0 8.7 13.1#

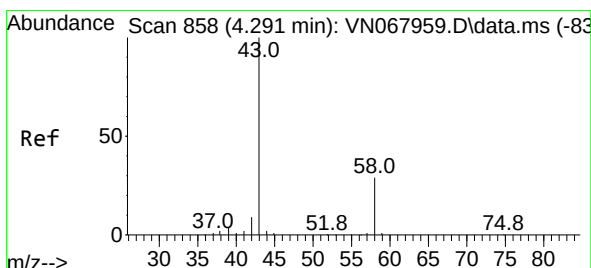
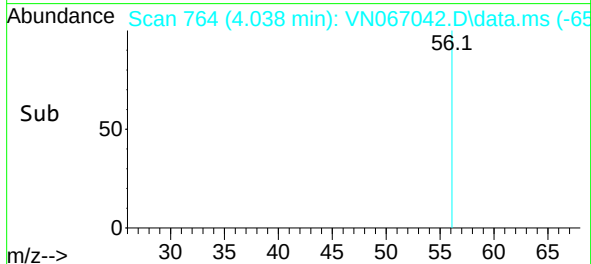
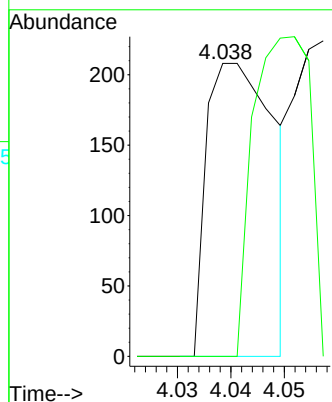
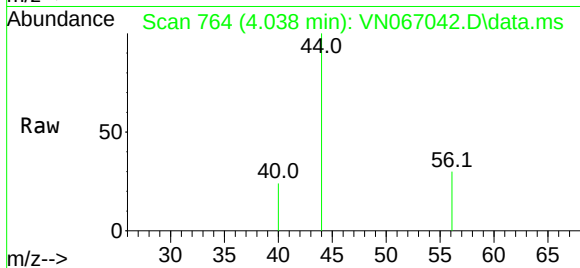




#13
Acrolein
Concen: 0.470 ug/l
RT: 4.038 min Scan# 764
Delta R.T. -0.003 min
Lab File: VN067042.D
Acq: 9 Aug 2021 16:44

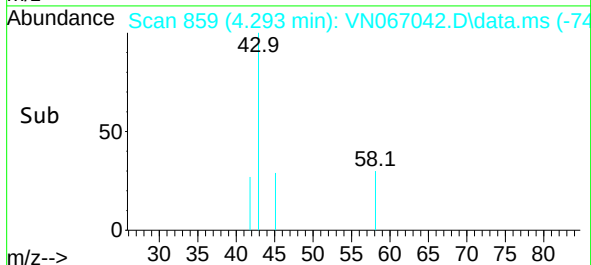
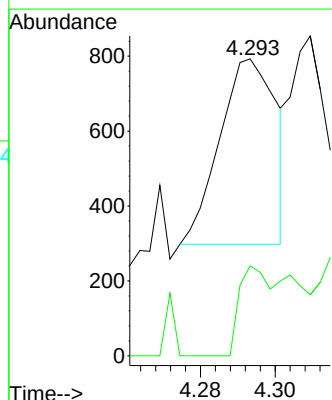
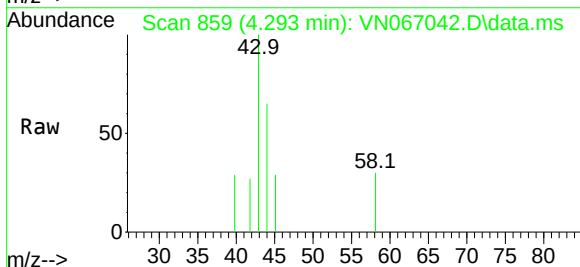
Instrument :
MSVOA_N
ClientSampled :

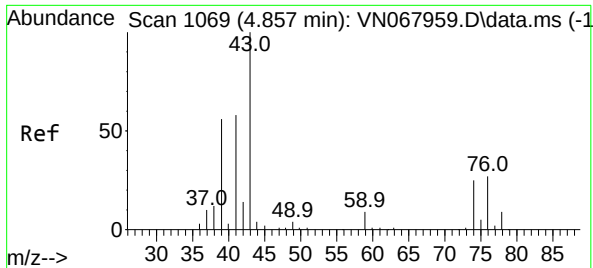
Tgt Ion: 56 Resp: 181
Ion Ratio Lower Upper
56 100
55 0.0 57.4 86.0#



#16
Acetone
Concen: 0.333 ug/l
RT: 4.293 min Scan# 859
Delta R.T. 0.002 min
Lab File: VN067042.D
Acq: 9 Aug 2021 16:44

Tgt Ion: 43 Resp: 514
Ion Ratio Lower Upper
43 100
58 48.5 21.2 31.8#

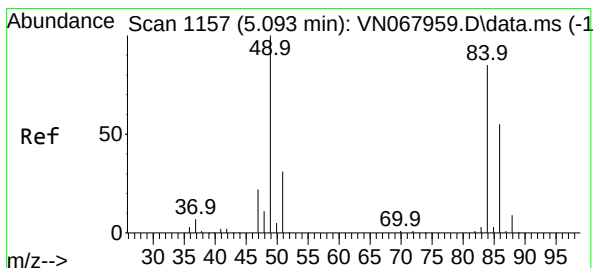
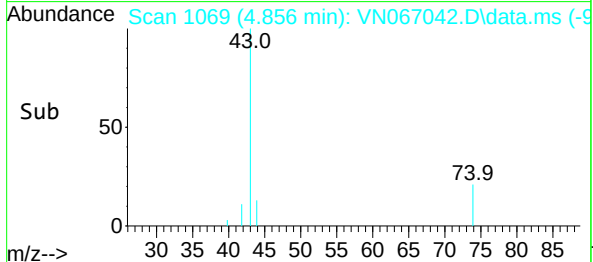
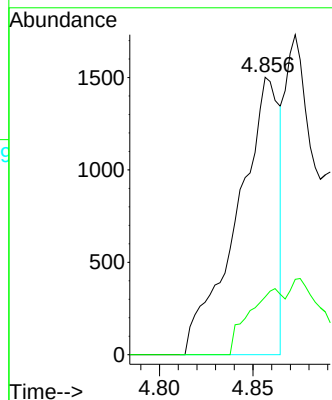
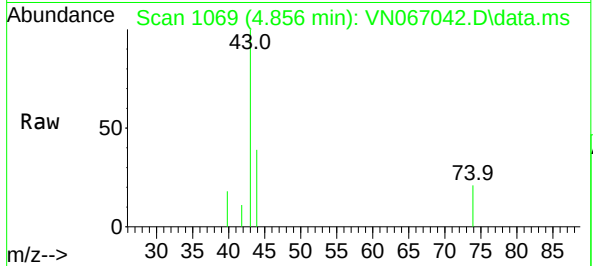




#18
Methyl Acetate
Concen: 0.536 ug/l
RT: 4.856 min Scan# 1069
Delta R.T. -0.001 min
Lab File: VN067042.D
Acq: 9 Aug 2021 16:44

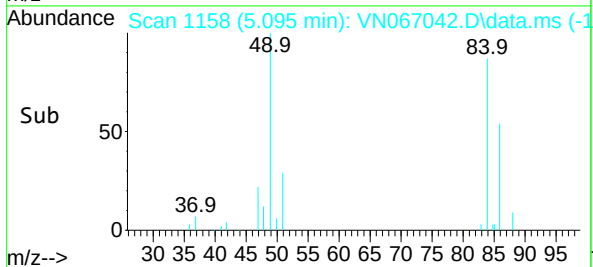
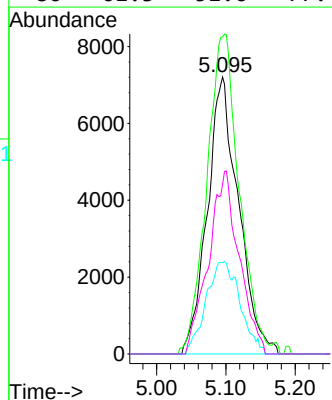
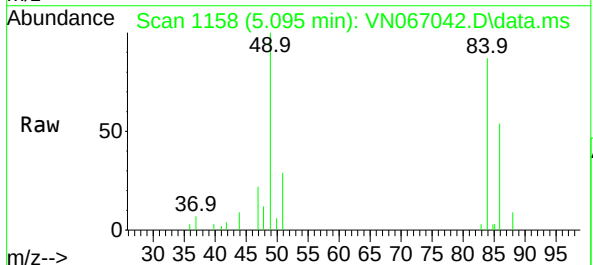
Instrument :
MSVOA_N
ClientSampled :

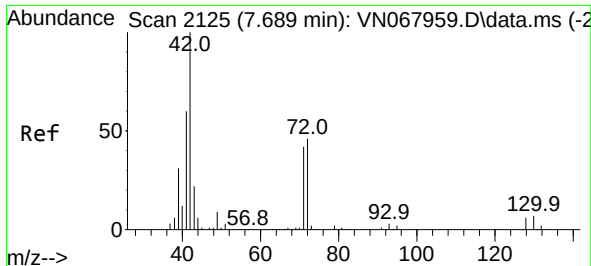
Tgt Ion: 43 Resp: 2365
Ion Ratio Lower Upper
43 100
74 20.0 17.4 26.0



#20
Methylene Chloride
Concen: 6.082 ug/l
RT: 5.095 min Scan# 1158
Delta R.T. 0.002 min
Lab File: VN067042.D
Acq: 9 Aug 2021 16:44

Tgt Ion: 84 Resp: 22578
Ion Ratio Lower Upper
84 100
49 114.5 110.9 166.3
51 33.0 32.6 49.0
86 61.3 51.6 77.4





#29

Tetrahydrofuran

Concen: 1.333 ug/l

RT: 7.705 min Scan# 2131

Delta R.T. 0.016 min

Lab File: VN067042.D

Acq: 9 Aug 2021 16:44

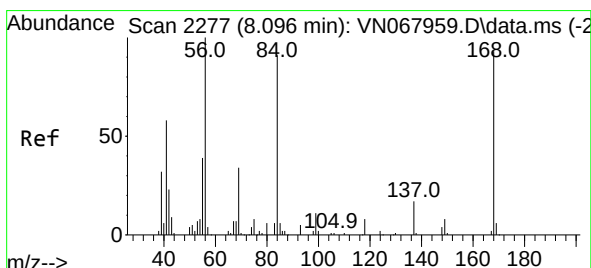
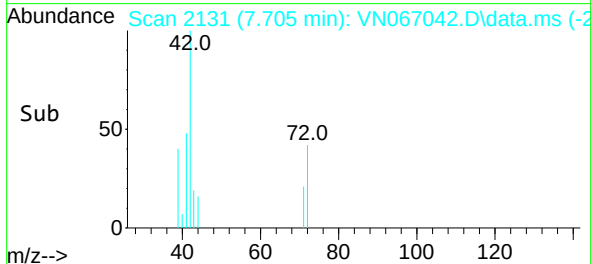
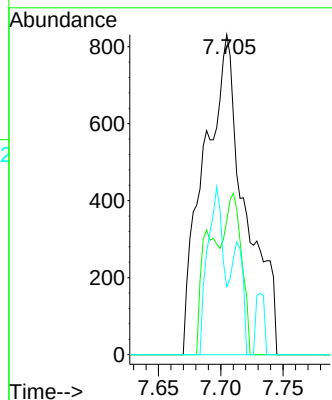
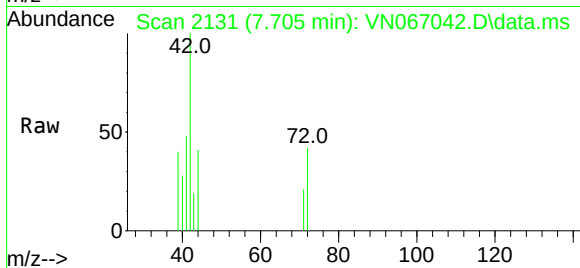
Tgt Ion: 42 Resp: 1912

Ion Ratio Lower Upper

42 100

72 21.1 32.8 49.2#

71 10.2 31.2 46.8#



#31

Cyclohexane

Concen: 1.148 ug/l

RT: 8.086 min Scan# 2273

Delta R.T. -0.010 min

Lab File: VN067042.D

Acq: 9 Aug 2021 16:44

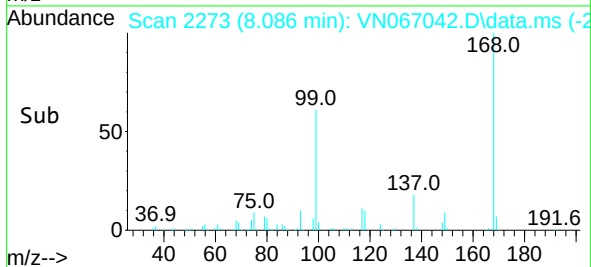
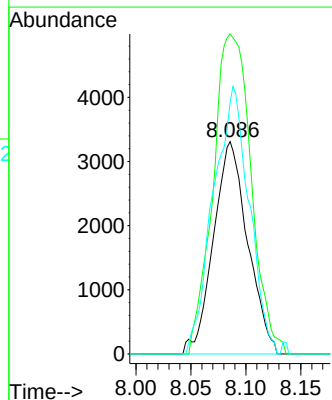
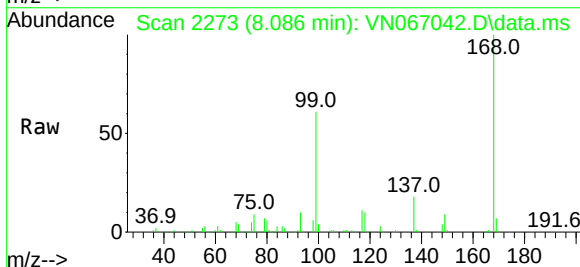
Tgt Ion: 56 Resp: 7169

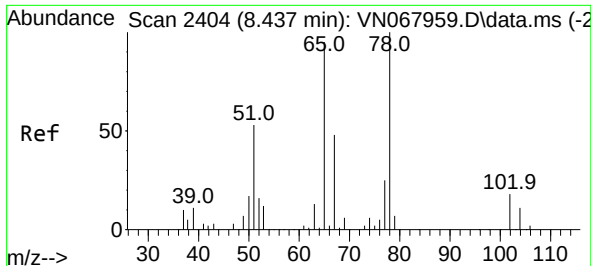
Ion Ratio Lower Upper

56 100

69 150.7 27.3 40.9#

84 118.5 64.9 97.3#

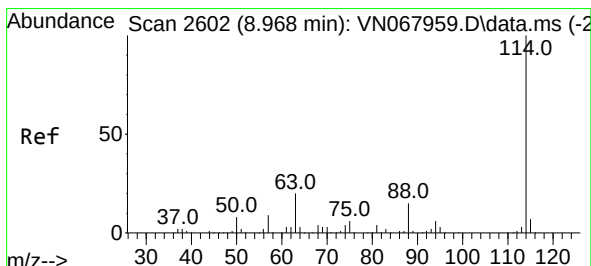
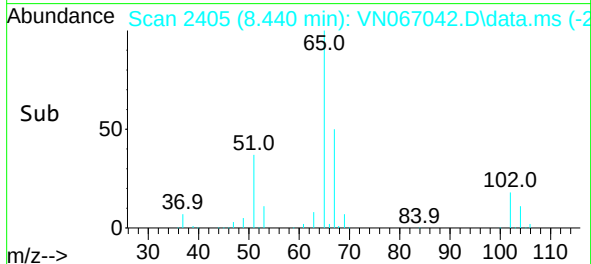
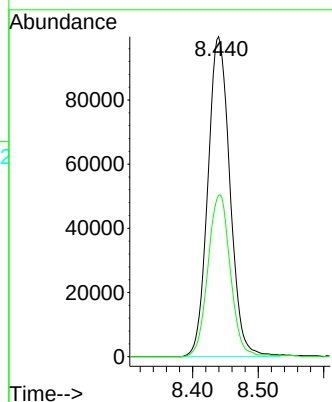
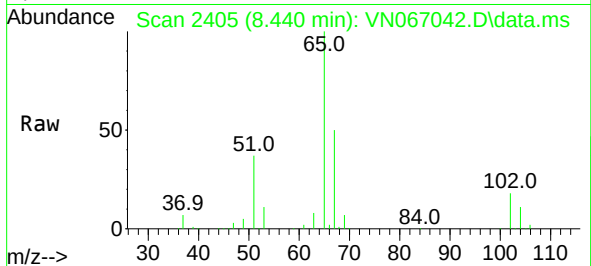




#33
1,2-Dichloroethane-d4
Concen: 55.090 ug/l
RT: 8.440 min Scan# 2405
Delta R.T. 0.003 min
Lab File: VN067042.D
Acq: 9 Aug 2021 16:44

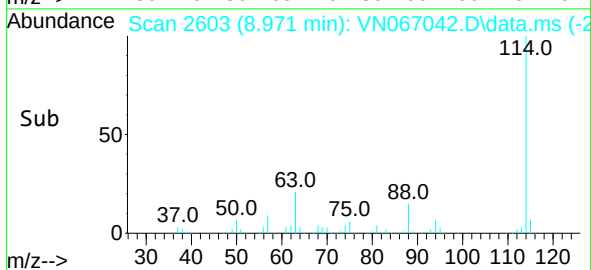
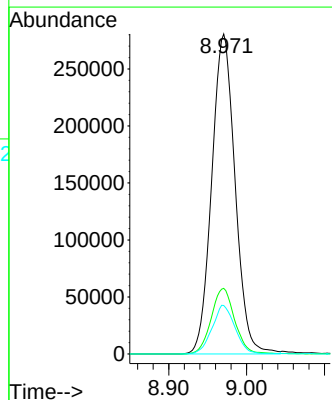
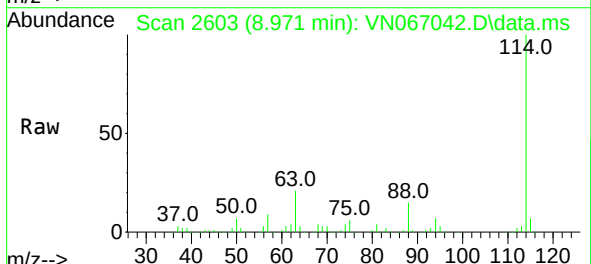
Instrument :
MSVOA_N
ClientSampled :

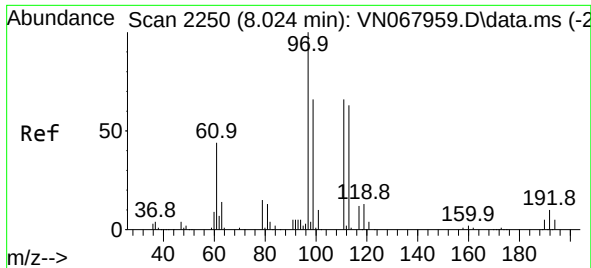
Tgt Ion: 65 Resp: 233145
Ion Ratio Lower Upper
65 100
67 51.1 0.0 98.6



#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.971 min Scan# 2603
Delta R.T. 0.003 min
Lab File: VN067042.D
Acq: 9 Aug 2021 16:44

Tgt Ion: 114 Resp: 584197
Ion Ratio Lower Upper
114 100
63 20.5 0.0 49.0
88 15.1 0.0 36.6

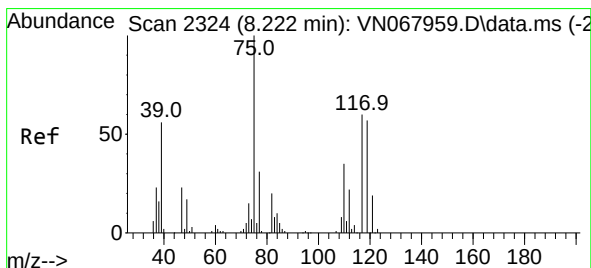
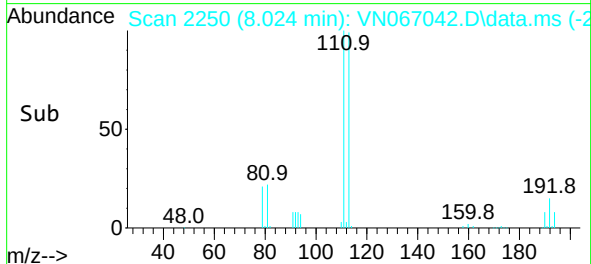
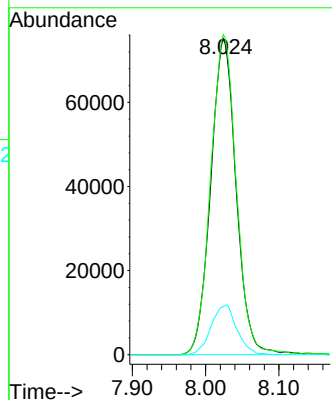
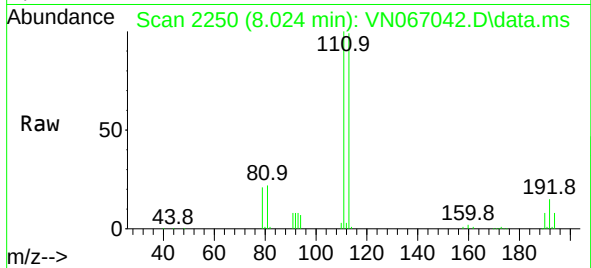




#35
Dibromofluoromethane
Concen: 52.918 ug/l
RT: 8.024 min Scan# 2250
Delta R.T. -0.000 min
Lab File: VN067042.D
Acq: 9 Aug 2021 16:44

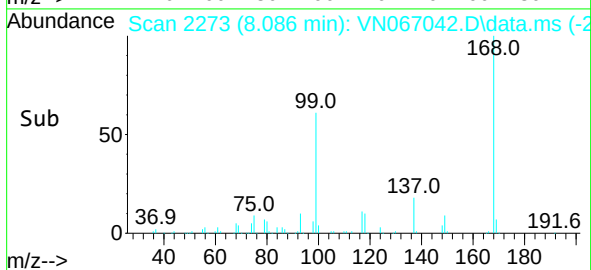
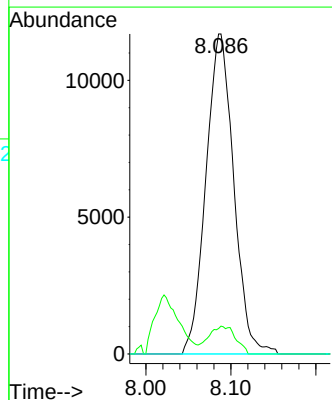
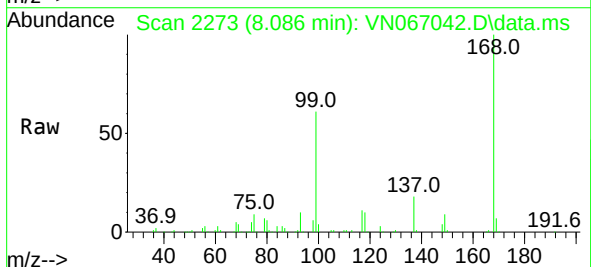
Instrument :
MSVOA_N
ClientSampleId :

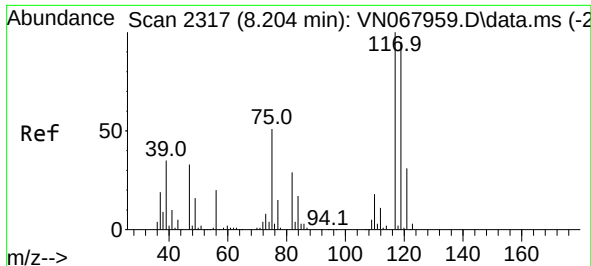
Tgt Ion:113 Resp: 180165
Ion Ratio Lower Upper
113 100
111 102.6 83.8 125.8
192 16.1 13.4 20.0



#36
1,1-Dichloropropene
Concen: 4.920 ug/l
RT: 8.086 min Scan# 2273
Delta R.T. -0.136 min
Lab File: VN067042.D
Acq: 9 Aug 2021 16:44

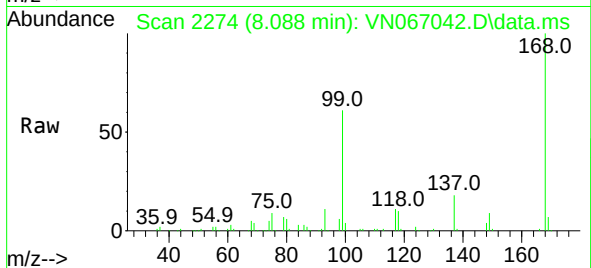
Tgt Ion: 75 Resp: 26585
Ion Ratio Lower Upper
75 100
110 8.5 15.7 47.0#
77 0.0 24.6 37.0#



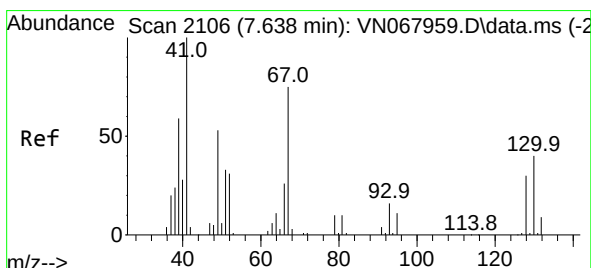
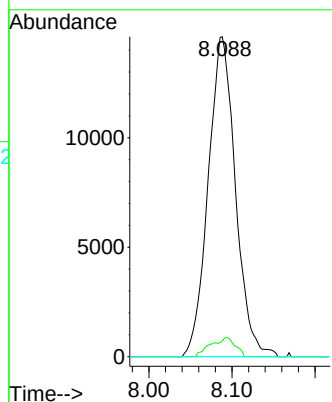
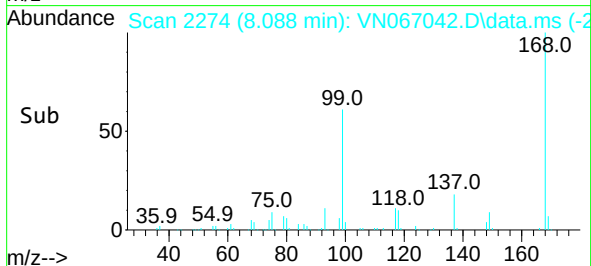


#38
Carbon Tetrachloride
Concen: 6.279 ug/l
RT: 8.088 min Scan# 2274
Delta R.T. -0.116 min
Lab File: VN067042.D
Acq: 9 Aug 2021 16:44

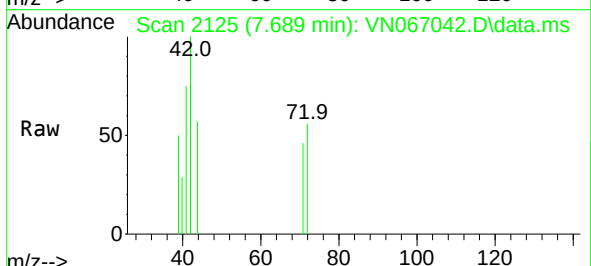
Instrument :
MSVOA_N
ClientSampleId :



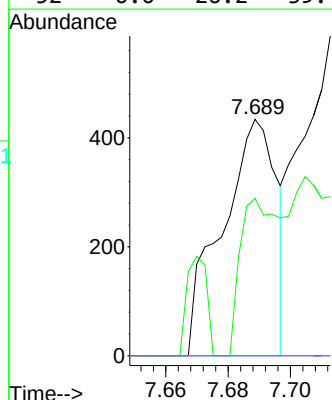
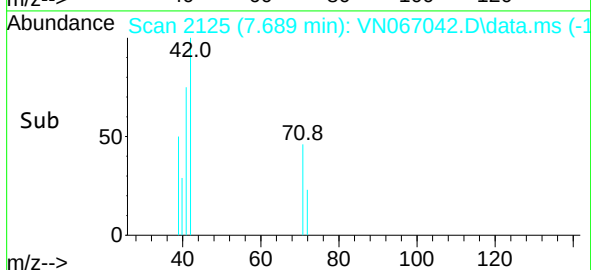
Tgt Ion:117 Resp: 33367
Ion Ratio Lower Upper
117 100
119 4.9 75.4 113.2#
121 0.0 23.5 35.3#

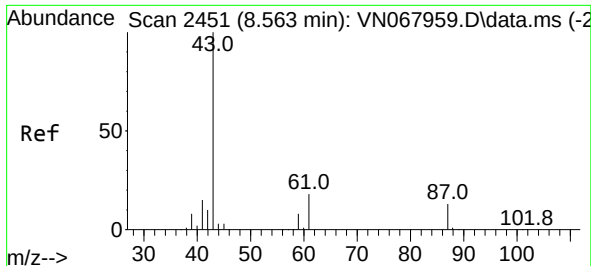


#41
Methacrylonitrile
Concen: 0.218 ug/l
RT: 7.689 min Scan# 2125
Delta R.T. 0.051 min
Lab File: VN067042.D
Acq: 9 Aug 2021 16:44



Tgt Ion: 41 Resp: 527
Ion Ratio Lower Upper
41 100
39 46.3 47.6 71.4#
67 0.0 57.7 86.5#
52 0.0 26.2 39.4#

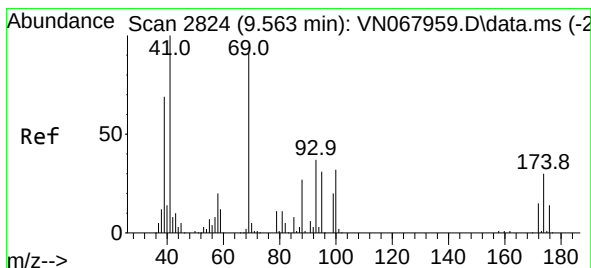
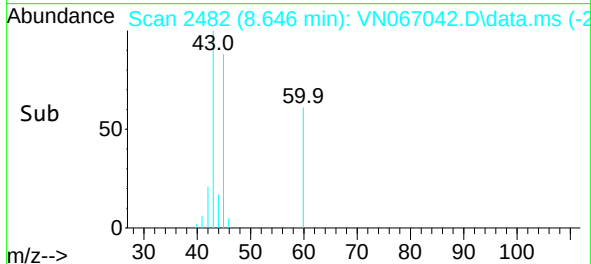
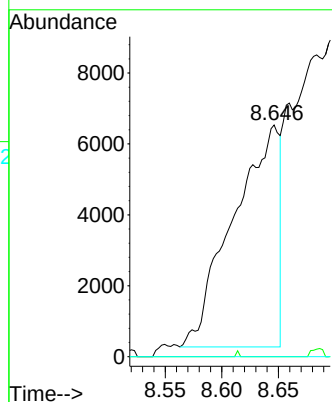
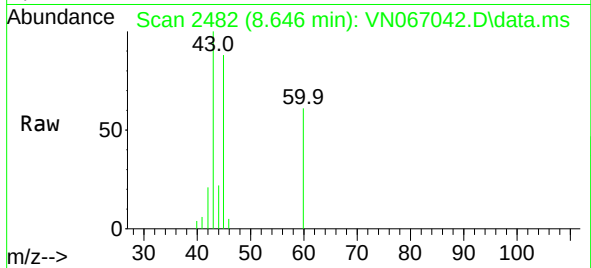




#43
Isopropyl Acetate
Concen: 2.098 ug/l
RT: 8.646 min Scan# 2482
Delta R.T. 0.083 min
Lab File: VN067042.D
Acq: 9 Aug 2021 16:44

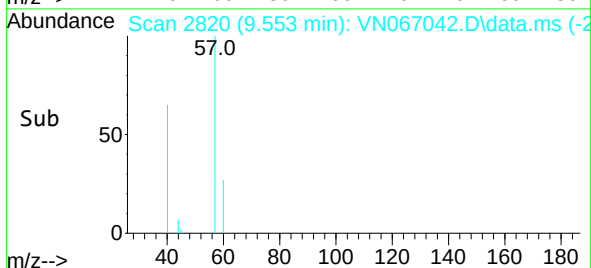
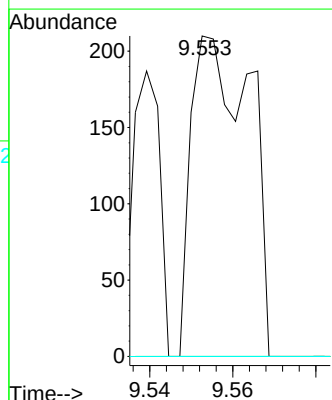
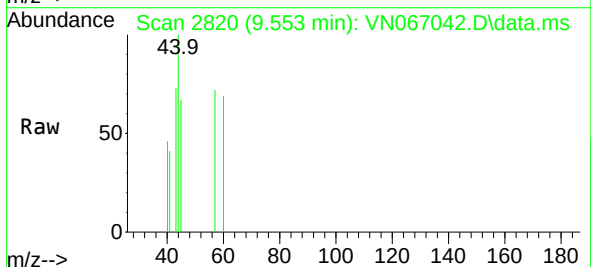
Instrument :
MSVOA_N
ClientSampled :

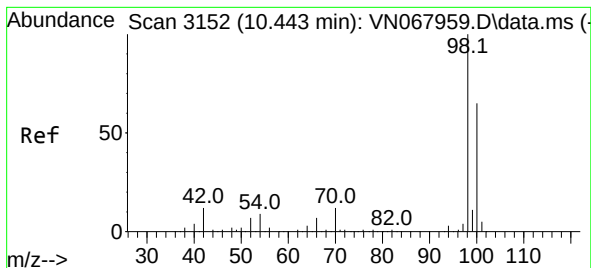
Tgt Ion: 43 Resp: 17782
Ion Ratio Lower Upper
43 100
61 0.0 19.0 28.4#
87 0.0 9.5 14.3#



#48
Methyl methacrylate
Concen: 2.351 ug/l
RT: 9.553 min Scan# 2820
Delta R.T. -0.010 min
Lab File: VN067042.D
Acq: 9 Aug 2021 16:44

Tgt Ion: 41 Resp: 204
Ion Ratio Lower Upper
41 100
69 0.0 64.6 96.8#
39 0.0 53.3 79.9#

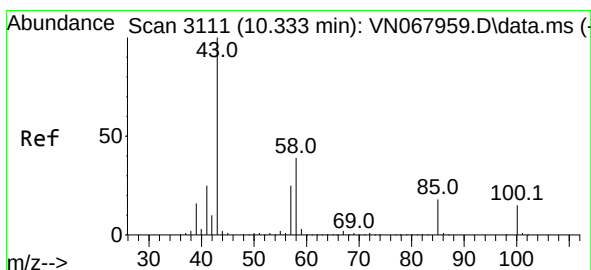
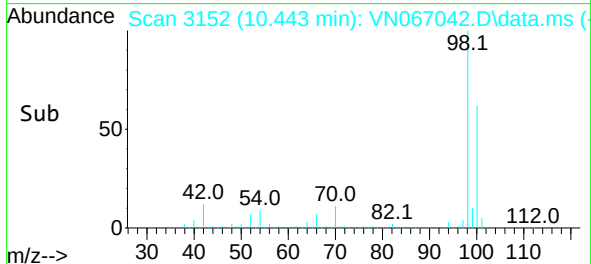
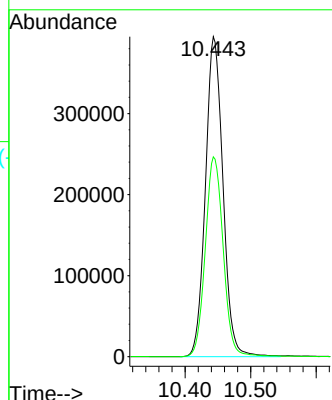
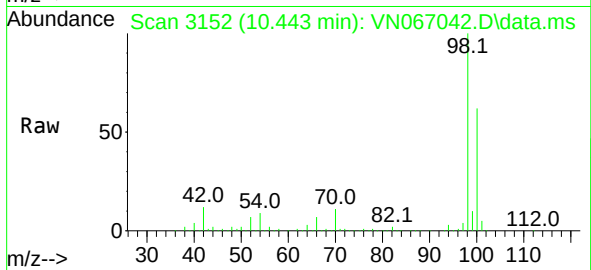




#50
Toluene-d8
Concen: 46.909 ug/l
RT: 10.443 min Scan# 3152
Delta R.T. 0.000 min
Lab File: VN067042.D
Acq: 9 Aug 2021 16:44

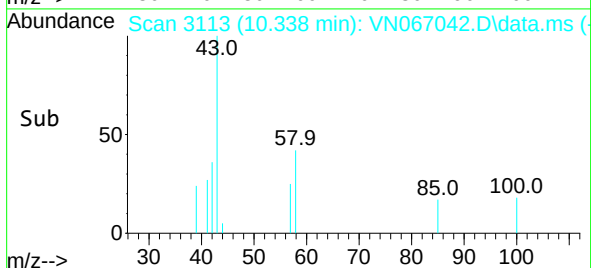
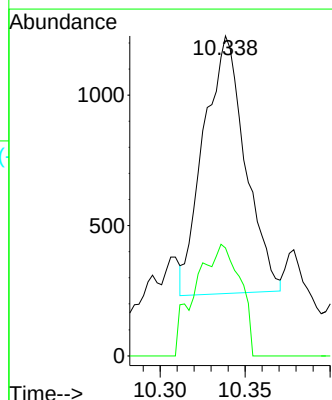
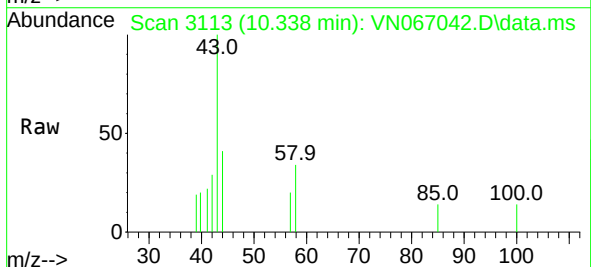
Instrument :
MSVOA_N
ClientSampled :

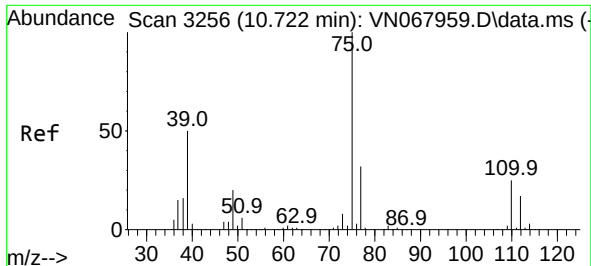
Tgt Ion: 98 Resp: 732992
Ion Ratio Lower Upper
98 100
100 63.9 51.7 77.5



#51
4-Methyl-2-Pentanone
Concen: 12.825 ug/l
RT: 10.338 min Scan# 3113
Delta R.T. 0.005 min
Lab File: VN067042.D
Acq: 9 Aug 2021 16:44

Tgt Ion: 43 Resp: 1680
Ion Ratio Lower Upper
43 100
58 46.5 28.6 43.0#

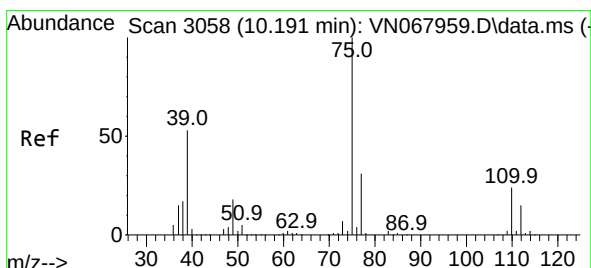
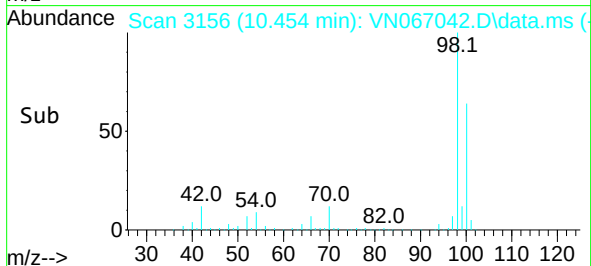
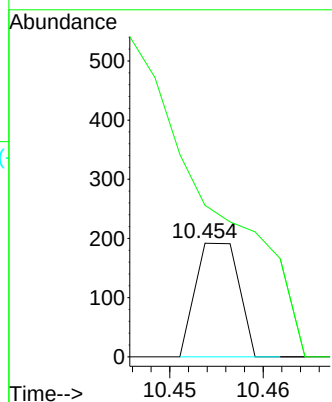
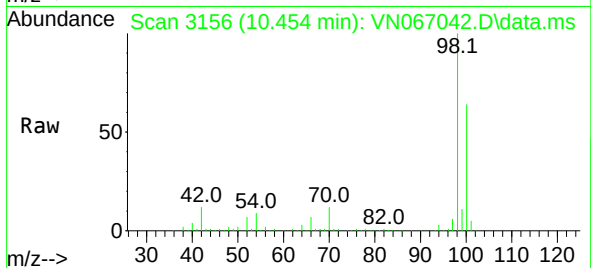




#53
t-1,3-Dichloropropene
Concen: 2.842 ug/l
RT: 10.454 min Scan# 3156
Delta R.T. -0.268 min
Lab File: VN067042.D
Acq: 9 Aug 2021 16:44

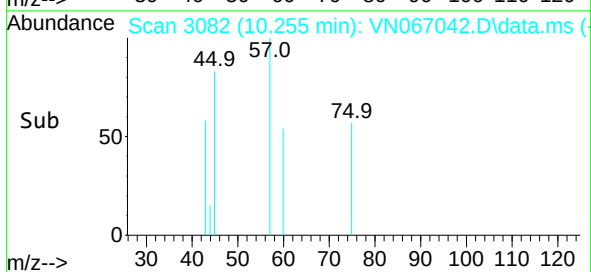
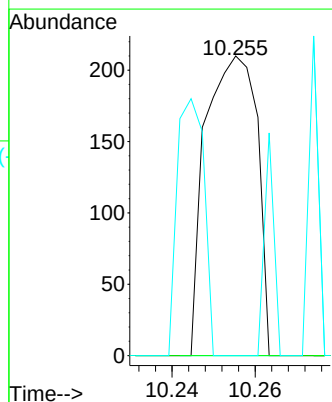
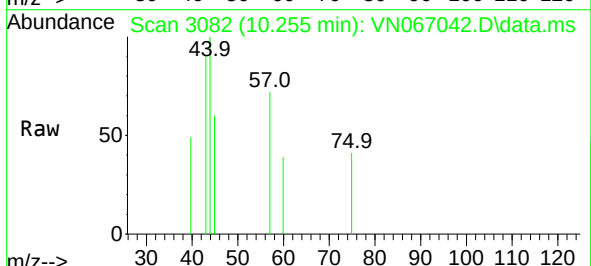
Instrument :
MSVOA_N
ClientSampled :

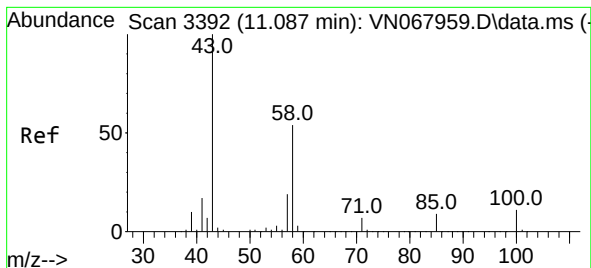
Tgt Ion: 75 Resp: 62
Ion Ratio Lower Upper
75 100
77 46.9 25.1 37.7#



#54
cis-1,3-Dichloropropene
Concen: 2.379 ug/l
RT: 10.255 min Scan# 3082
Delta R.T. 0.064 min
Lab File: VN067042.D
Acq: 9 Aug 2021 16:44

Tgt Ion: 75 Resp: 180
Ion Ratio Lower Upper
75 100
77 0.0 24.6 37.0#
39 120.5 50.7 76.1#

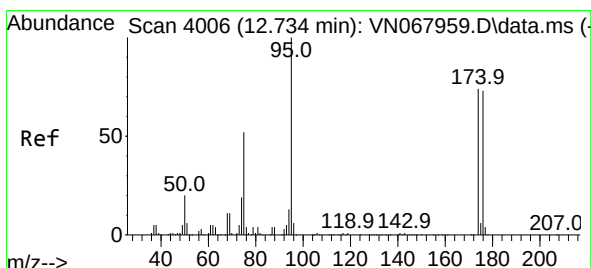
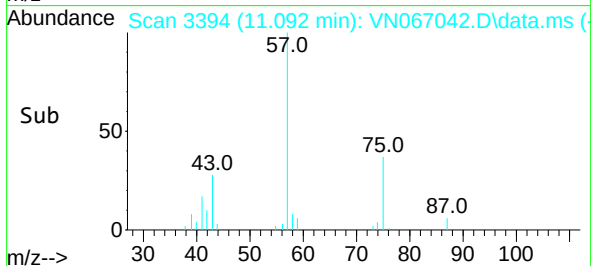
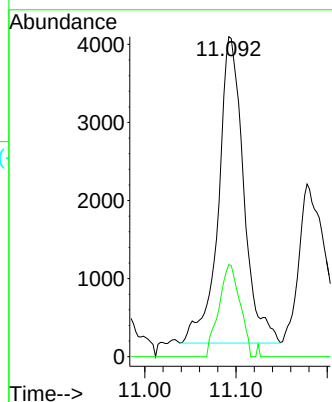
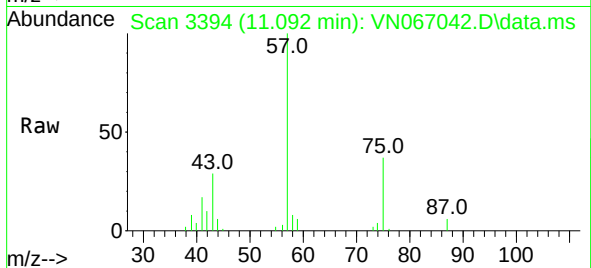




#59
2-Hexanone
Concen: 14.911 ug/l
RT: 11.092 min Scan# 3394
Delta R.T. 0.005 min
Lab File: VN067042.D
Acq: 9 Aug 2021 16:44

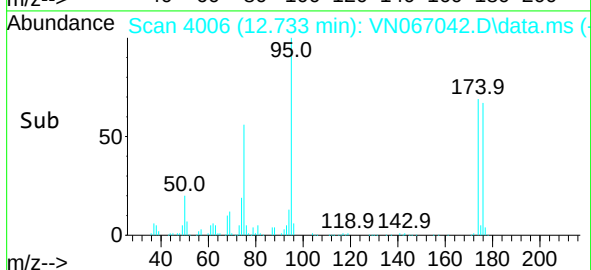
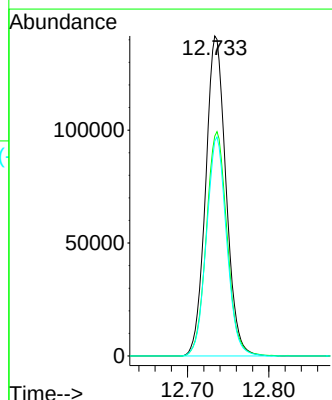
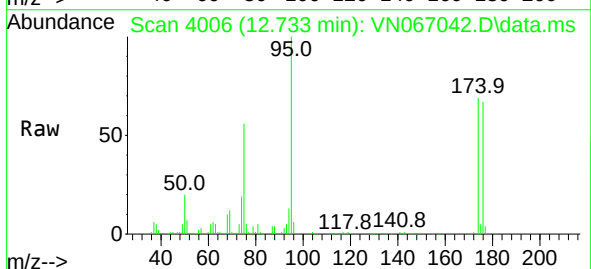
Instrument :
MSVOA_N
ClientSampled :

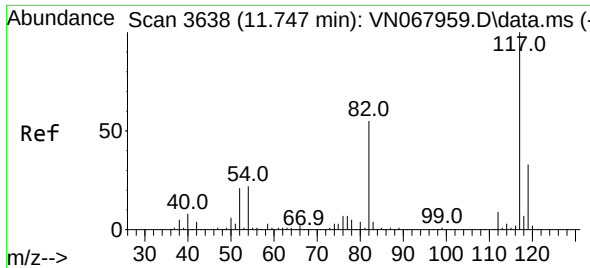
Tgt Ion: 43 Resp: 7542
Ion Ratio Lower Upper
43 100
58 25.0 24.7 74.1



#62
4-Bromofluorobenzene
Concen: 43.519 ug/l
RT: 12.733 min Scan# 4006
Delta R.T. -0.001 min
Lab File: VN067042.D
Acq: 9 Aug 2021 16:44

Tgt Ion: 95 Resp: 246167
Ion Ratio Lower Upper
95 100
174 71.5 0.0 122.0
176 67.9 0.0 117.6

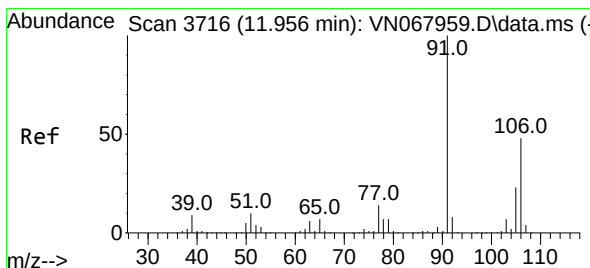
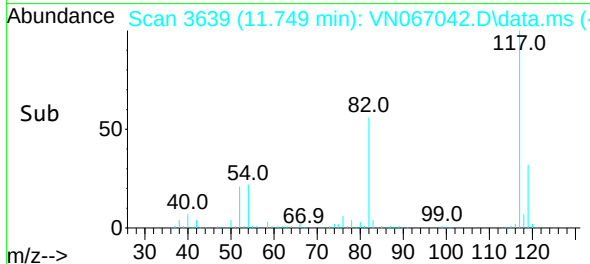
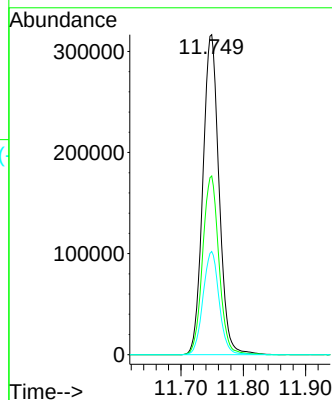
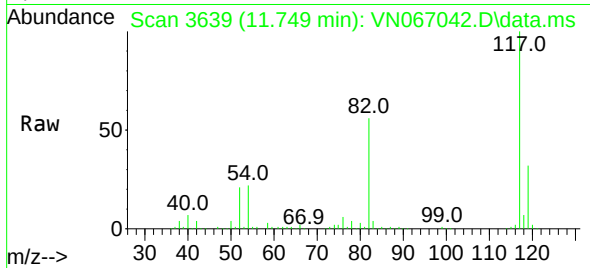




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.749 min Scan# 3639
Delta R.T. 0.002 min
Lab File: VN067042.D
Acq: 9 Aug 2021 16:44

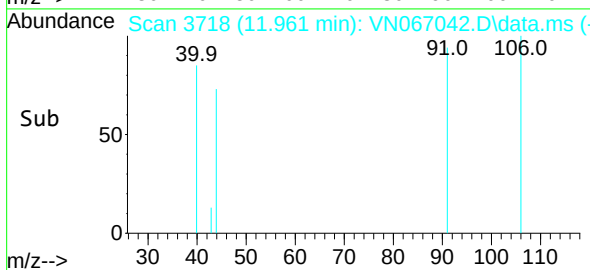
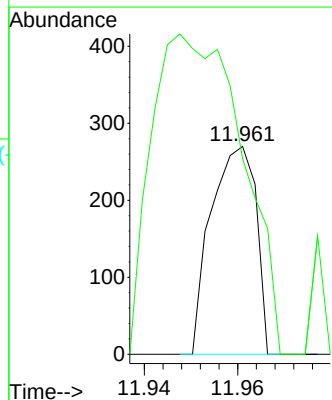
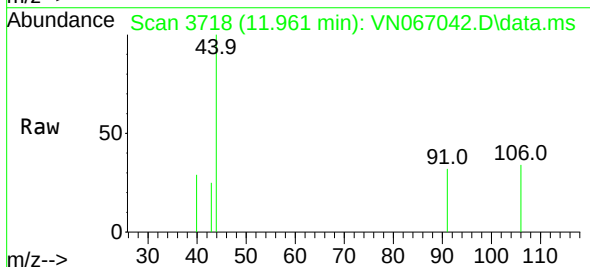
Instrument :
MSVOA_N
ClientSampleId :

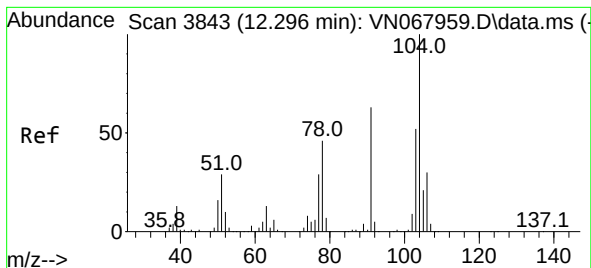
Tgt Ion:117 Resp: 571476
Ion Ratio Lower Upper
117 100
82 55.9 53.1 79.7
119 32.2 25.5 38.3



#68
m/p-Xylenes
Concen: 4.081 ug/l
RT: 11.961 min Scan# 3718
Delta R.T. 0.005 min
Lab File: VN067042.D
Acq: 9 Aug 2021 16:44

Tgt Ion:106 Resp: 181
Ion Ratio Lower Upper
106 100
91 309.4 180.6 270.8#





#70

Styrene

Concen: 2.635 ug/l

RT: 12.302 min Scan# 3845

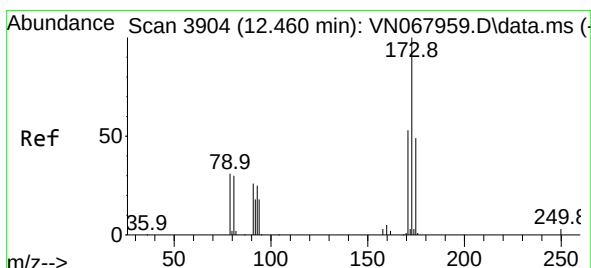
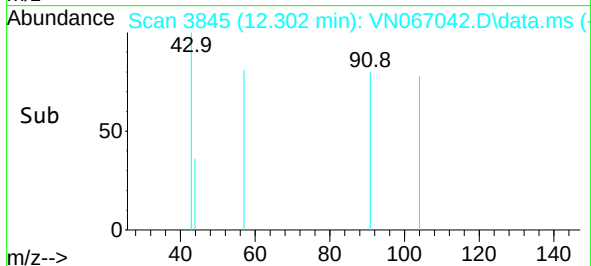
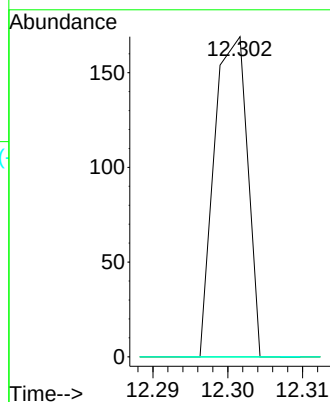
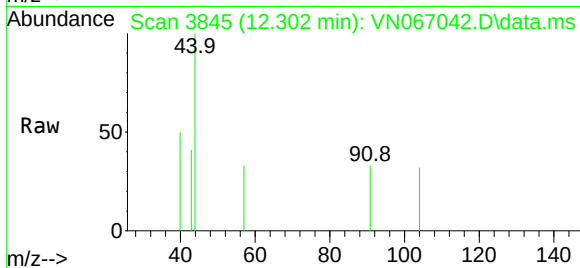
Delta R.T. 0.006 min

Lab File: VN067042.D

Acq: 9 Aug 2021 16:44

Tgt Ion:	104	Resp:	52
Ion Ratio	Lower	Upper	
104	100		
78	0.0	48.2	72.2#
103	0.0	44.5	66.7#

Instrument :
MSVOA_N
ClientSampled :



#71

Bromoform

Concen: 4.039 ug/l

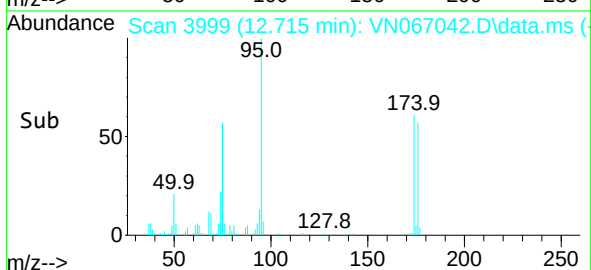
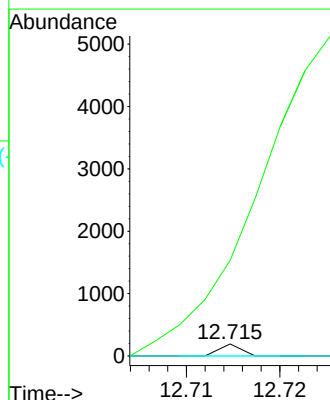
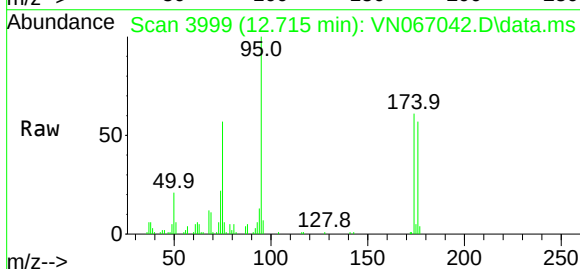
RT: 12.715 min Scan# 3999

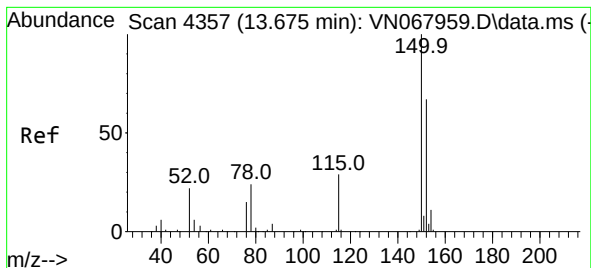
Delta R.T. 0.255 min

Lab File: VN067042.D

Acq: 9 Aug 2021 16:44

Tgt Ion:	173	Resp:	31
Ion Ratio	Lower	Upper	
173	100		
175	0.0	23.9	71.8#
254	0.0	0.0	0.0

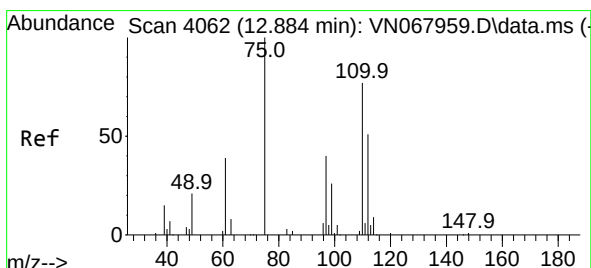
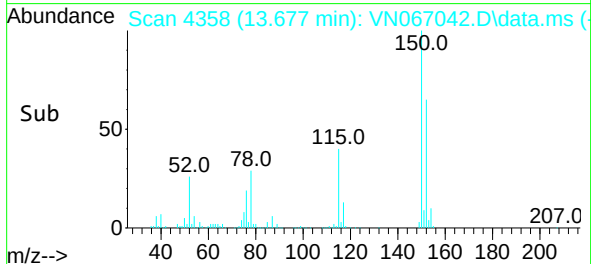
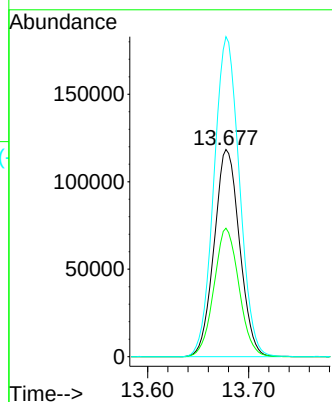
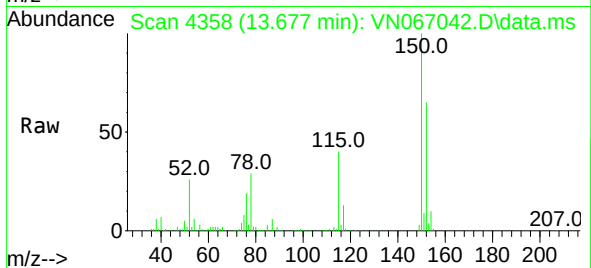




#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.677 min Scan# 4358
Delta R.T. 0.002 min
Lab File: VN067042.D
Acq: 9 Aug 2021 16:44

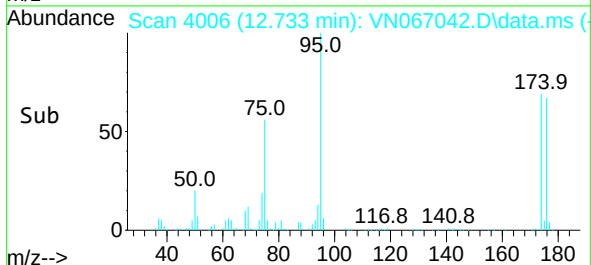
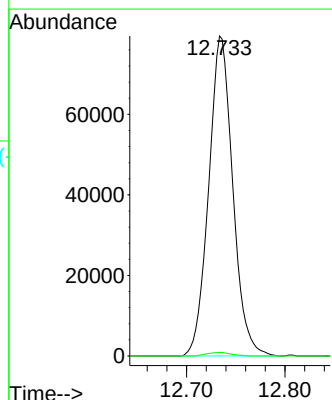
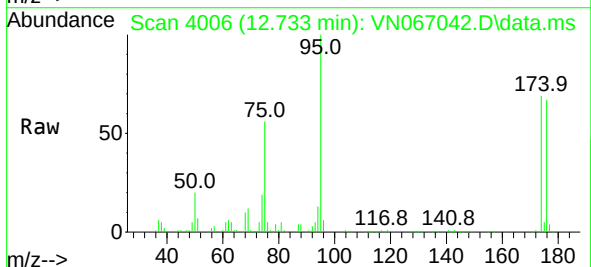
Instrument :
MSVOA_N
ClientSampled :

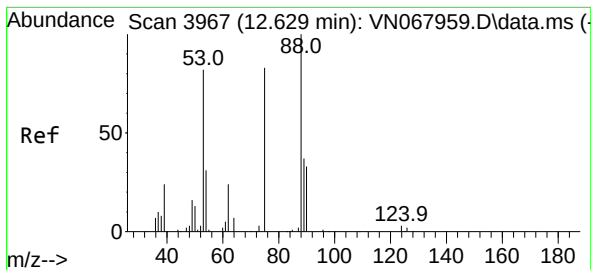
Tgt Ion:152 Resp: 206818
Ion Ratio Lower Upper
152 100
115 61.1 36.1 108.5
150 155.1 0.0 351.8



#76
1,2,3-Trichloropropane
Concen: 32.510 ug/l
RT: 12.733 min Scan# 4006
Delta R.T. -0.151 min
Lab File: VN067042.D
Acq: 9 Aug 2021 16:44

Tgt Ion: 75 Resp: 135033
Ion Ratio Lower Upper
75 100
77 1.1 0.0 0.0#

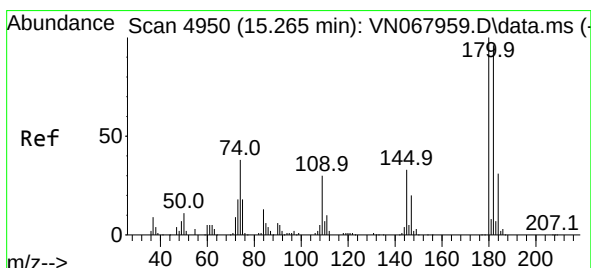
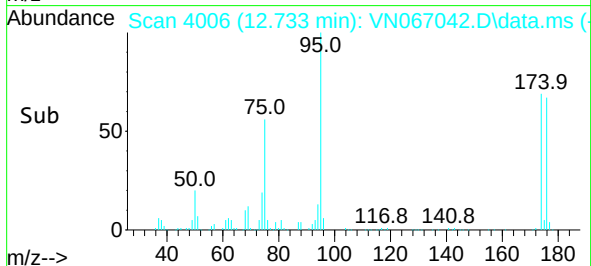
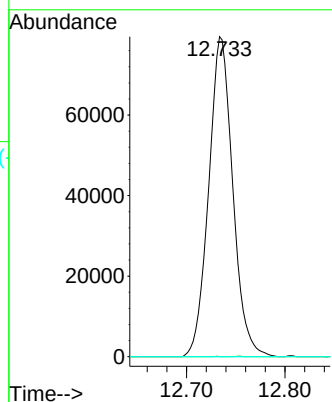
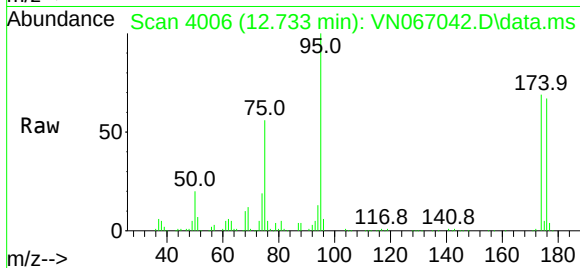




#81
trans-1,4-Dichloro-2-butene
Concen: 87.307 ug/l
RT: 12.733 min Scan# 4006
Delta R.T. 0.104 min
Lab File: VN067042.D
Acq: 9 Aug 2021 16:44

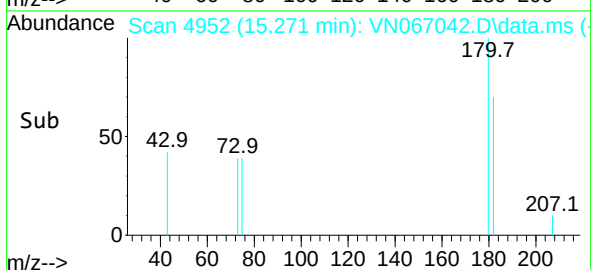
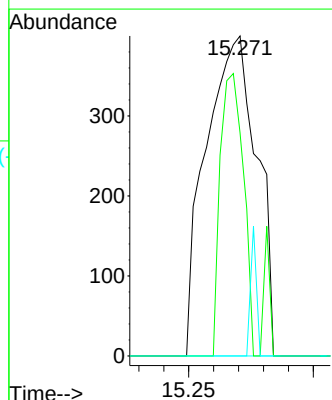
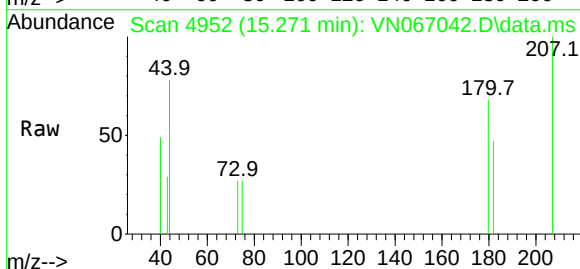
Instrument :
MSVOA_N
ClientSampled :

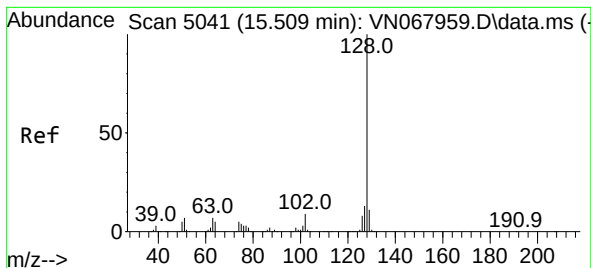
Tgt Ion: 75 Resp: 135033
Ion Ratio Lower Upper
75 100
53 0.0 87.6 131.4#
89 0.0 37.8 56.8#



#93
1,2,4-Trichlorobenzene
Concen: 2.646 ug/l
RT: 15.271 min Scan# 4952
Delta R.T. 0.006 min
Lab File: VN067042.D
Acq: 9 Aug 2021 16:44

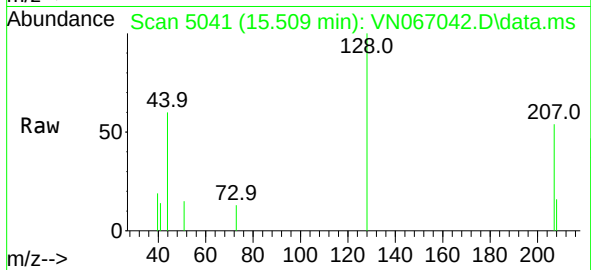
Tgt Ion:180 Resp: 566
Ion Ratio Lower Upper
180 100
182 40.1 47.5 142.5#
145 0.0 17.2 51.6#



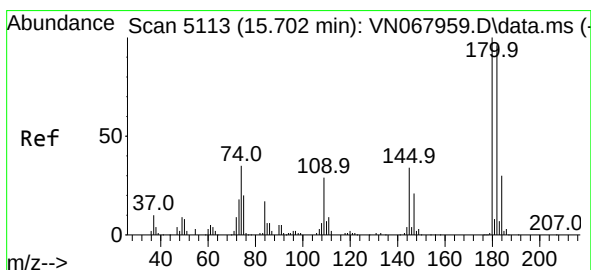
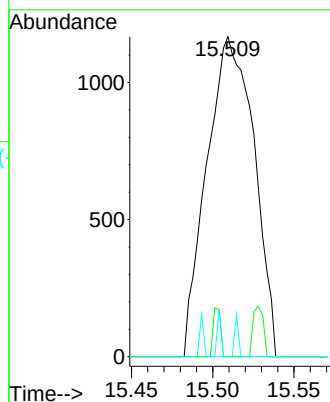
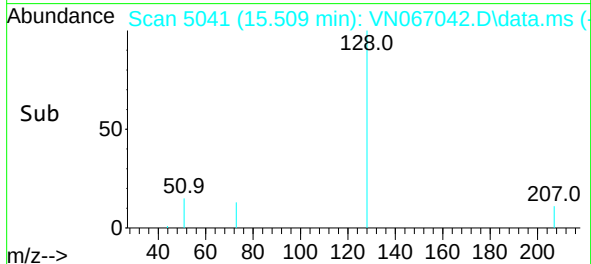


#95
Naphthalene
Concen: 3.376 ug/l
RT: 15.509 min Scan# 5041
Delta R.T. 0.000 min
Lab File: VN067042.D
Acq: 9 Aug 2021 16:44

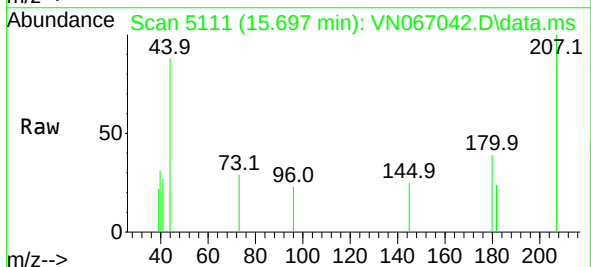
Instrument :
MSVOA_N
ClientSampled :



Tgt Ion:128 Resp: 2355
Ion Ratio Lower Upper
128 100
127 3.4 10.6 15.8#
129 1.1 8.6 12.8#



#96
1,2,3-Trichlorobenzene
Concen: 2.421 ug/l
RT: 15.697 min Scan# 5111
Delta R.T. -0.005 min
Lab File: VN067042.D
Acq: 9 Aug 2021 16:44



Tgt Ion:180 Resp: 162
Ion Ratio Lower Upper
180 100
182 190.7 47.8 143.3#
145 48.8 18.2 54.6

