

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN072121\
 Data File : VN067842.D
 Acq On : 21 Jul 2021 16:39
 Operator : JC/MD
 Sample : M3089-11
 Misc : 5.00mL/MSVOA_N/WATER
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :

Quant Time: Jul 22 02:12:55 2021
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N070721W.M
 Quant Title : SW846 8260
 QLast Update : Wed Jul 07 16:18:53 2021
 Response via : Initial Calibration

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

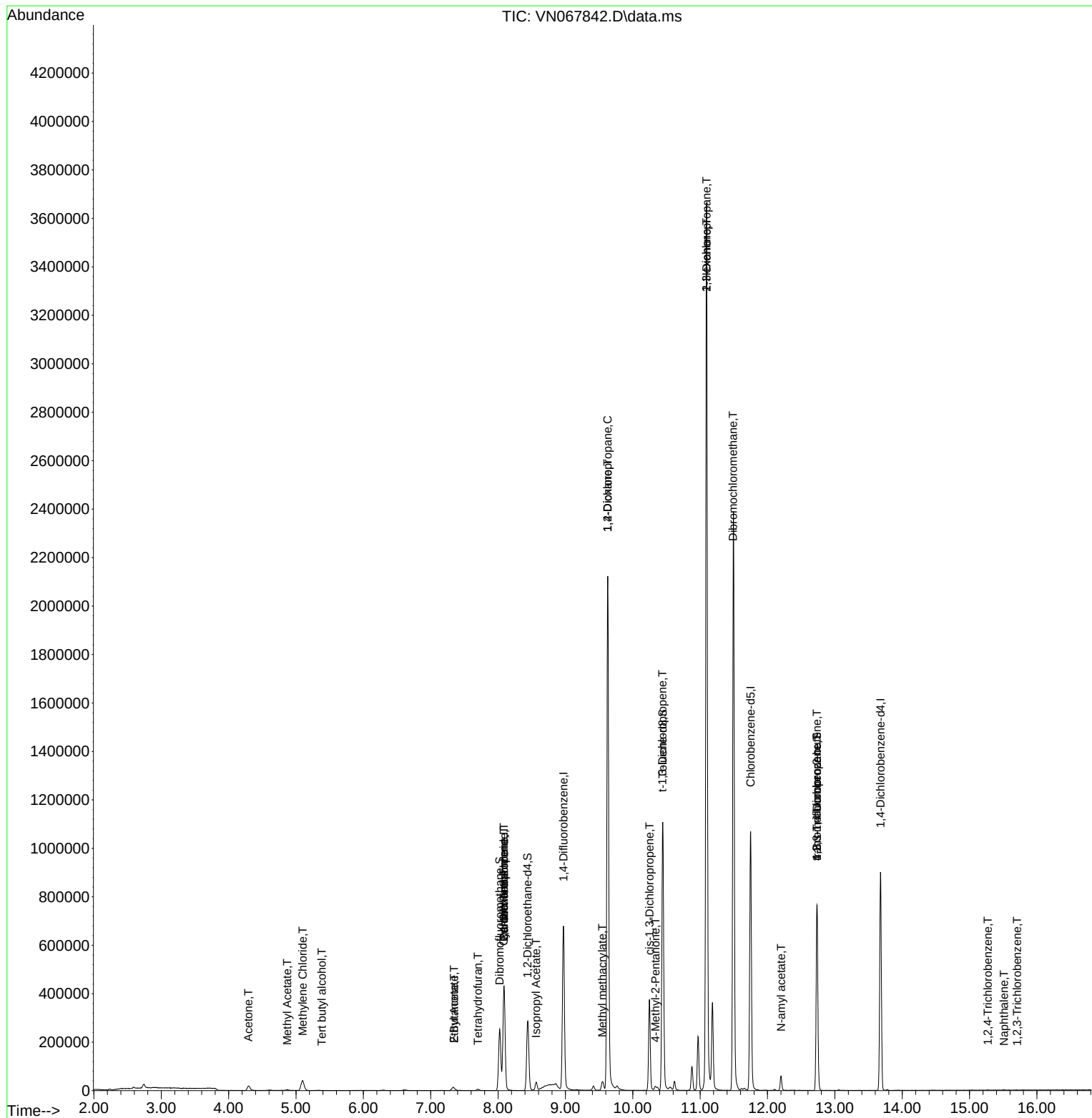
Internal Standards						
1) Pentafluorobenzene	8.088	168	310603	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.971	114	596039	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.749	117	621841	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.678	152	231407	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.437	65	250210	53.302	ug/l	0.00
Spiked Amount	50.000	Range 61 - 141	Recovery	= 106.600%		
35) Dibromofluoromethane	8.024	113	183416	50.933	ug/l	0.00
Spiked Amount	50.000	Range 69 - 133	Recovery	= 101.860%		
50) Toluene-d8	10.443	98	784075	52.017	ug/l	0.00
Spiked Amount	50.000	Range 65 - 126	Recovery	= 104.040%		
62) 4-Bromofluorobenzene	12.733	95	267448	50.227	ug/l	0.00
Spiked Amount	50.000	Range 58 - 135	Recovery	= 100.460%		
Target Compounds						
					Qvalue	
5) Bromomethane	2.786	94	75	Below Cal	#	4
6) Chloroethane	2.990	64	24	Below Cal	#	44
11) Tert butyl alcohol	5.382	59	411	0.609	ug/l #	71
13) Acrolein	4.044	56	182	Below Cal	#	49
16) Acetone	4.293	43	37213	25.194	ug/l	98
18) Methyl Acetate	4.870	43	5878	1.417	ug/l #	80
20) Methylene Chloride	5.098	84	33632	9.186	ug/l	89
25) 2-Butanone	7.345	43	3971	1.619	ug/l #	84
29) Tetrahydrofuran	7.699	42	4257	2.639	ug/l #	73
31) Cyclohexane	8.083	56	4924	0.748	ug/l #	16
36) 1,1-Dichloropropene	8.086	75	29278	5.288	ug/l #	52
37) Ethyl Acetate	7.345	43	3971	0.740	ug/l #	79
38) Carbon Tetrachloride	8.088	117	35138	6.434	ug/l #	18
43) Isopropyl Acetate	8.566	43	38941	4.127	ug/l #	90
45) 1,2-Dichloropropane	9.628	63	2769	0.660	ug/l #	44
48) Methyl methacrylate	9.547	41	10460	2.506	ug/l #	12
49) 1,4-Dioxane	9.628	88	166	34.068	ug/l #	1
51) 4-Methyl-2-Pentanone	10.338	43	8342	1.439	ug/l #	74
53) t-1,3-Dichloropropene	10.440	75	84	1.756	ug/l #	82
54) cis-1,3-Dichloropropene	10.247	75	66815	10.322	ug/l #	59
57) 1,3-Dichloropropane	11.095	76	38802	5.439	ug/l #	43
59) 2-Hexanone	11.095	43	565240	139.683	ug/l #	54
60) Dibromochloromethane	11.489	129	179	2.390	ug/l #	11
74) N-amyl acetate	12.200	43	20717	3.059	ug/l #	54
76) 1,2,3-Trichloropropane	12.733	75	150291	31.803	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.733	75	150291	102.535	ug/l #	6
93) 1,2,4-Trichlorobenzene	15.271	180	494	2.796	ug/l #	51
95) Naphthalene	15.512	128	1860	3.167	ug/l #	69
96) 1,2,3-Trichlorobenzene	15.705	180	76	2.652	ug/l #	43

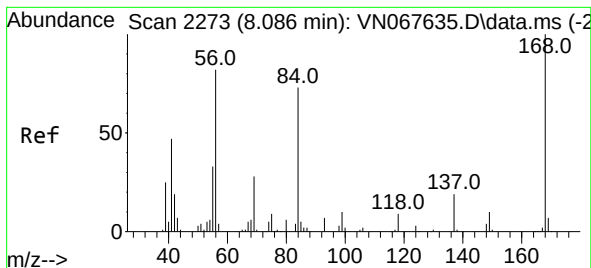
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : SW846 8260
QLast Update : Wed Jul 07 16:18:53 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: VN067842.D

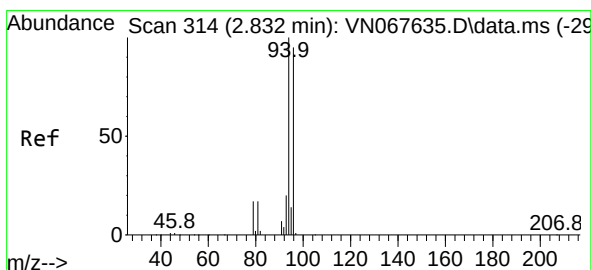
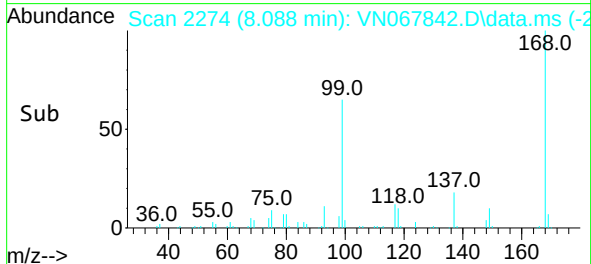
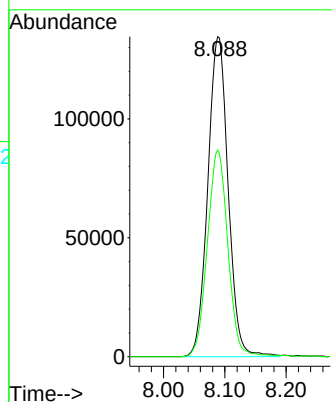
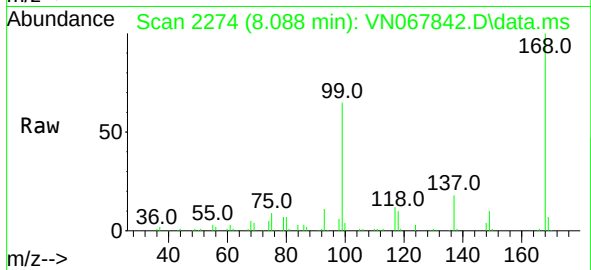
Acq: 21 Jul 2021 16:39

Tgt Ion:168 Resp: 310603

Ion Ratio Lower Upper

168 100

99 64.6 62.9 94.3



#5

Bromomethane

Concen: Below Cal

RT: 2.786 min Scan# 297

Delta R.T. -0.046 min

Lab File: VN067842.D

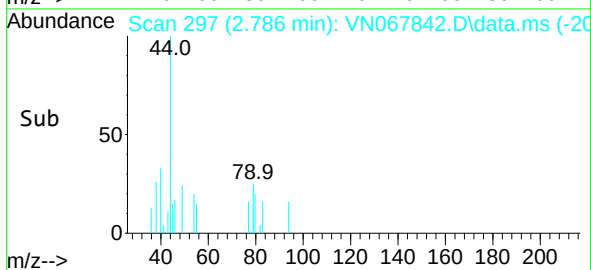
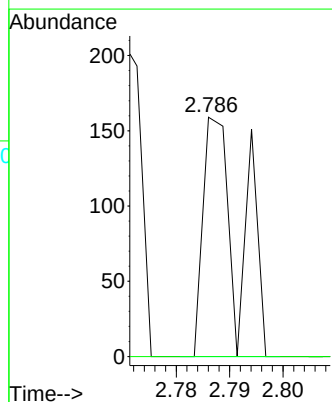
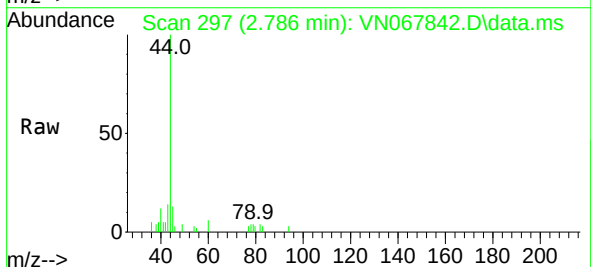
Acq: 21 Jul 2021 16:39

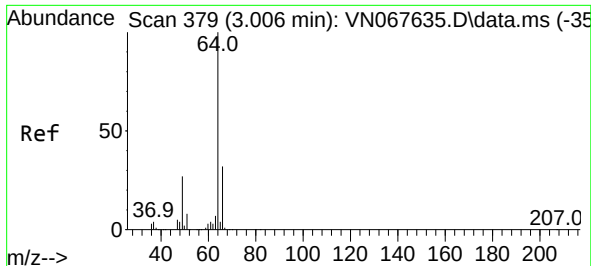
Tgt Ion: 94 Resp: 75

Ion Ratio Lower Upper

94 100

96 0.0 73.7 110.5#

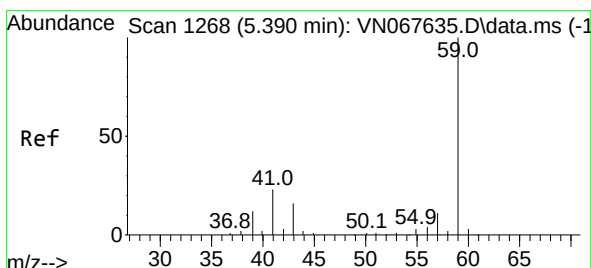
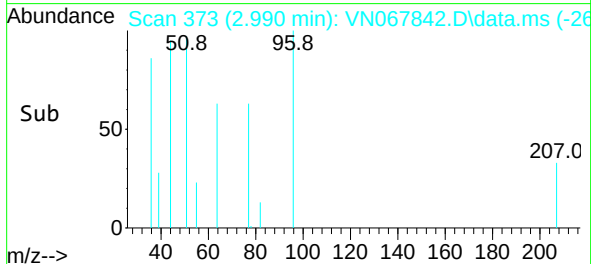
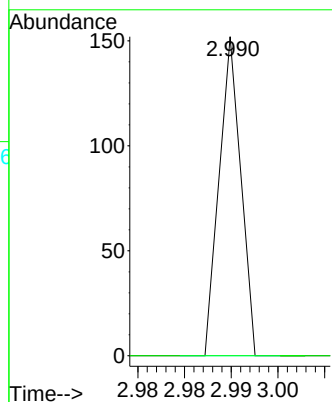
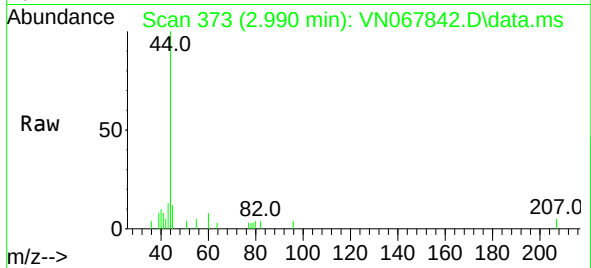




#6
Chloroethane
Concen: Below Cal
RT: 2.990 min Scan# 373
Delta R.T. -0.016 min
Lab File: VN067842.D
Acq: 21 Jul 2021 16:39

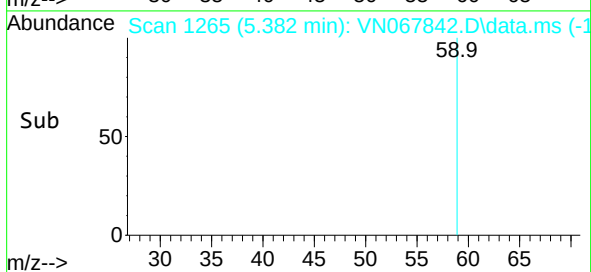
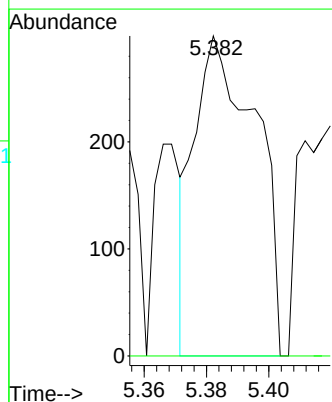
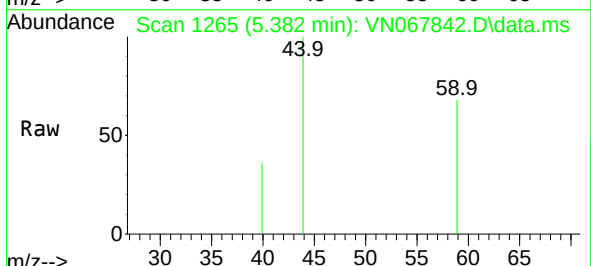
Instrument :
MSVOA_N
ClientSampled :

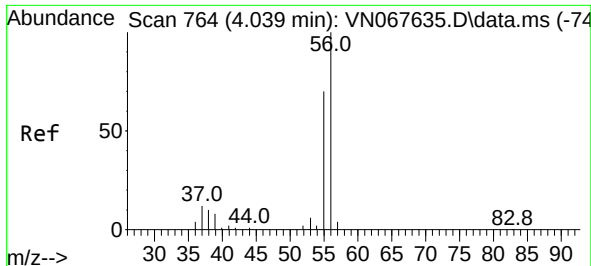
Tgt Ion: 64 Resp: 24
Ion Ratio Lower Upper
64 100
66 0.0 24.7 37.1#



#11
Tert butyl alcohol
Concen: 0.609 ug/l
RT: 5.382 min Scan# 1265
Delta R.T. -0.008 min
Lab File: VN067842.D
Acq: 21 Jul 2021 16:39

Tgt Ion: 59 Resp: 411
Ion Ratio Lower Upper
59 100
57 0.0 8.7 13.1#

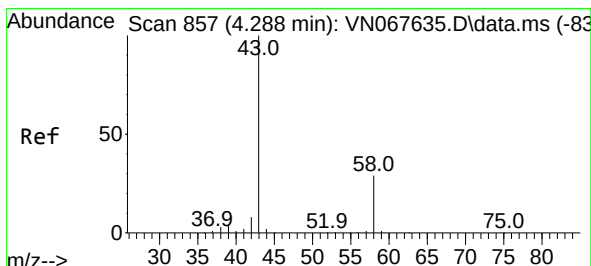
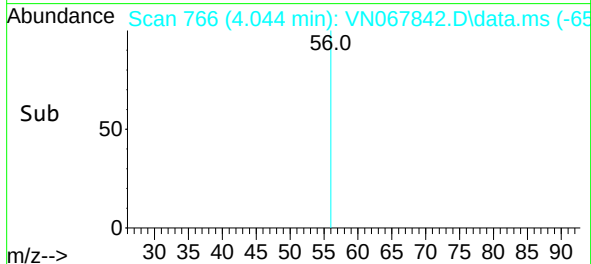
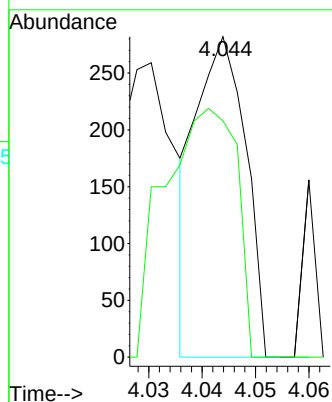
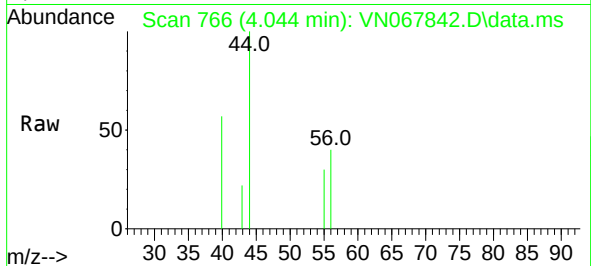




#13
Acrolein
Concen: Below Cal
RT: 4.044 min Scan# 766
Delta R.T. 0.005 min
Lab File: VN067842.D
Acq: 21 Jul 2021 16:39

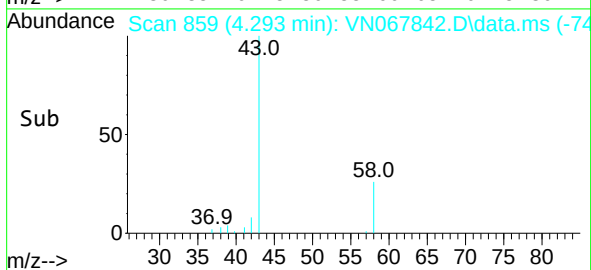
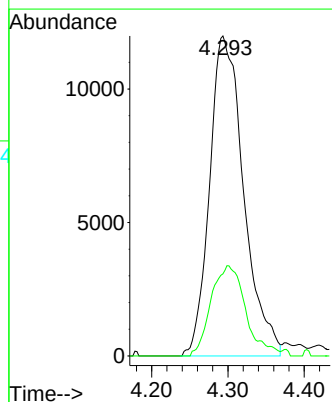
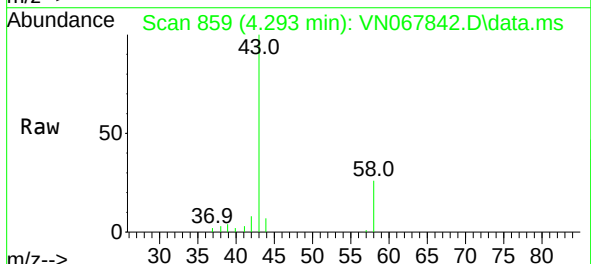
Instrument :
MSVOA_N
ClientSampled :

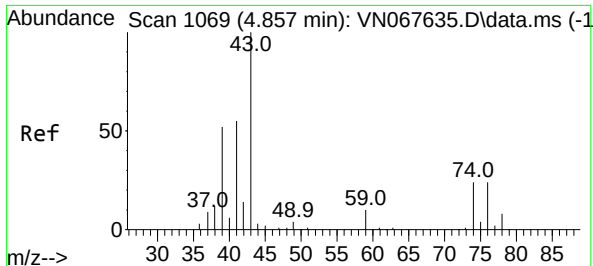
Tgt Ion: 56 Resp: 182
Ion Ratio Lower Upper
56 100
55 114.3 57.4 86.0#



#16
Acetone
Concen: 25.194 ug/l
RT: 4.293 min Scan# 859
Delta R.T. 0.005 min
Lab File: VN067842.D
Acq: 21 Jul 2021 16:39

Tgt Ion: 43 Resp: 37213
Ion Ratio Lower Upper
43 100
58 25.7 21.2 31.8





#18

Methyl Acetate

Concen: 1.417 ug/l

RT: 4.870 min Scan# 1074

Delta R.T. 0.013 min

Lab File: VN067842.D

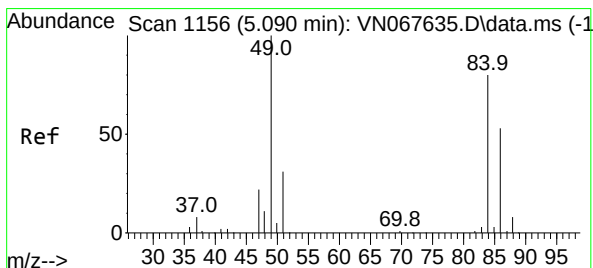
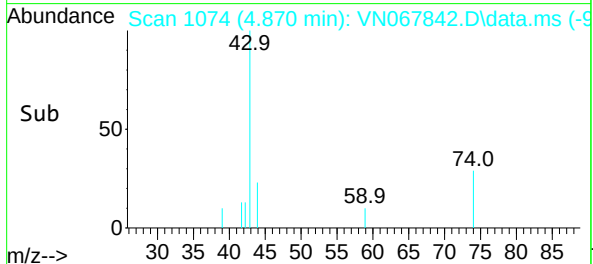
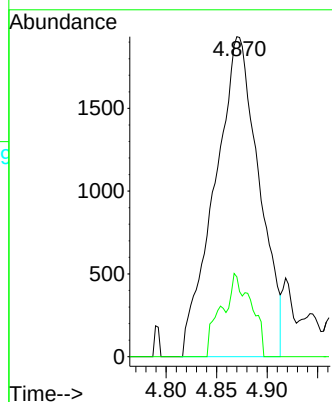
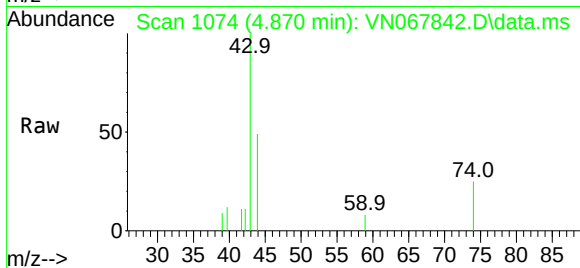
Acq: 21 Jul 2021 16:39

Tgt Ion: 43 Resp: 5878

Ion Ratio Lower Upper

43 100

74 12.4 17.4 26.0#



#20

Methylene Chloride

Concen: 9.186 ug/l

RT: 5.098 min Scan# 1159

Delta R.T. 0.008 min

Lab File: VN067842.D

Acq: 21 Jul 2021 16:39

Tgt Ion: 84 Resp: 33632

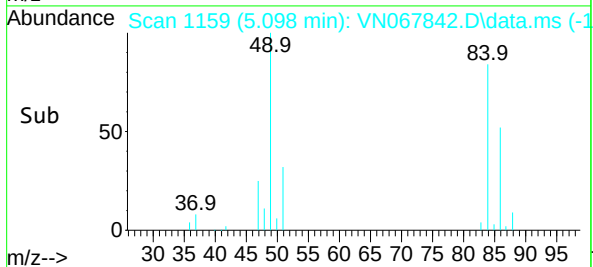
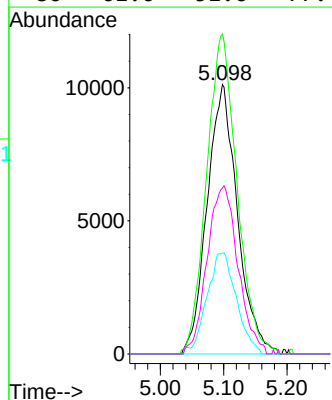
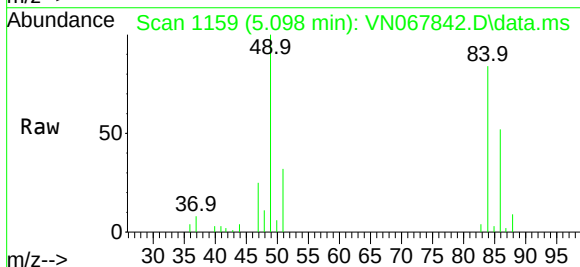
Ion Ratio Lower Upper

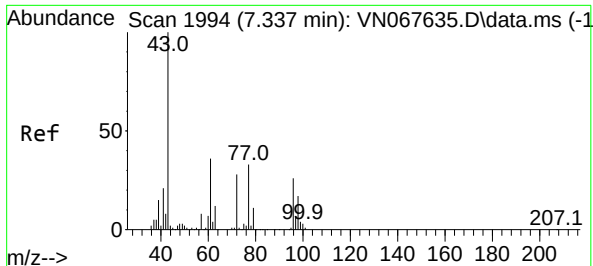
84 100

49 118.7 110.9 166.3

51 37.4 32.6 49.0

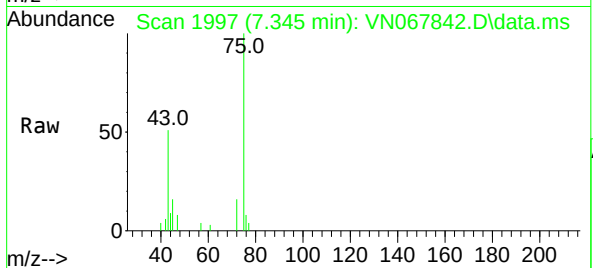
86 61.6 51.6 77.4



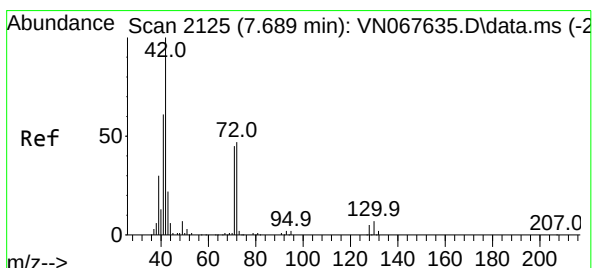
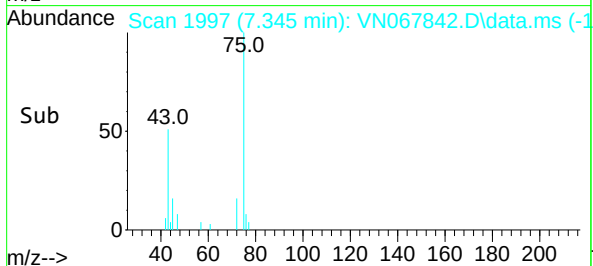
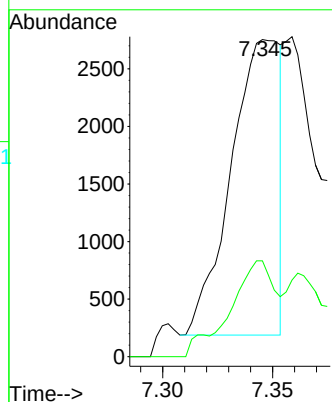


#25
2-Butanone
Concen: 1.619 ug/l
RT: 7.345 min Scan# 1997
Delta R.T. 0.008 min
Lab File: VN067842.D
Acq: 21 Jul 2021 16:39

Instrument :
MSVOA_N
ClientSampled :

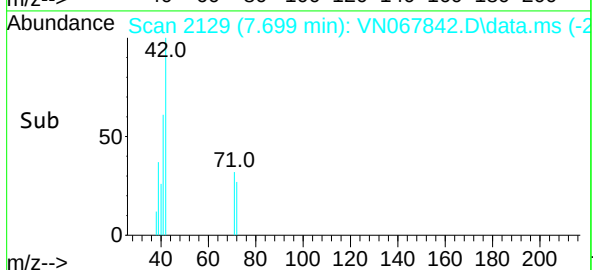
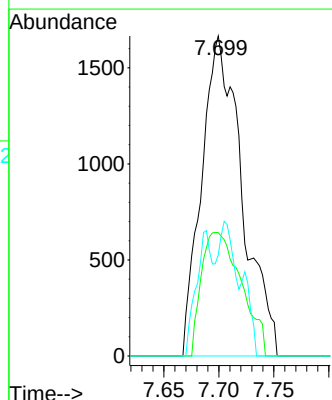
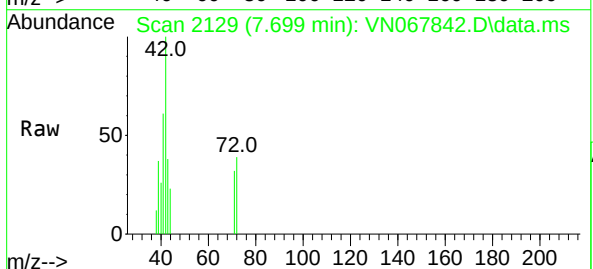


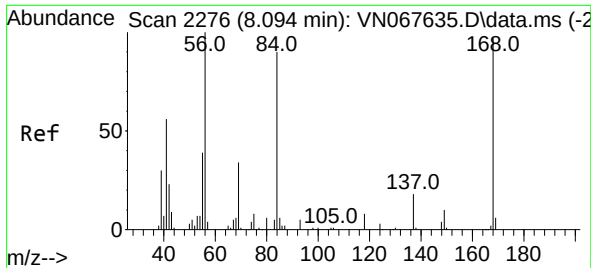
Tgt Ion: 43 Resp: 3971
Ion Ratio Lower Upper
43 100
72 32.4 19.7 29.5#



#29
Tetrahydrofuran
Concen: 2.639 ug/l
RT: 7.699 min Scan# 2129
Delta R.T. 0.010 min
Lab File: VN067842.D
Acq: 21 Jul 2021 16:39

Tgt Ion: 42 Resp: 4257
Ion Ratio Lower Upper
42 100
72 38.1 32.8 49.2
71 8.4 31.2 46.8#

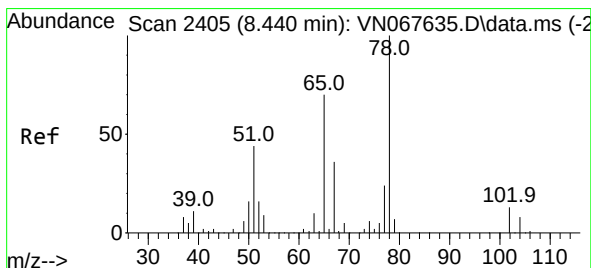
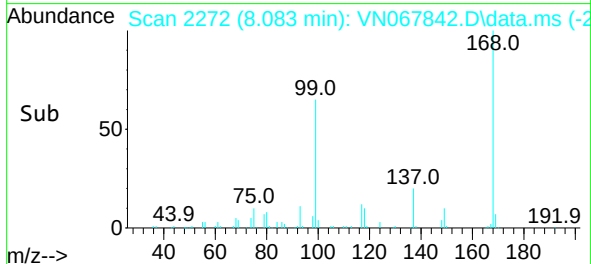
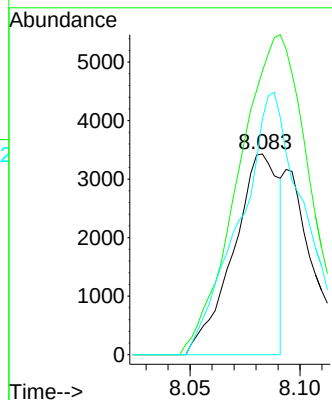
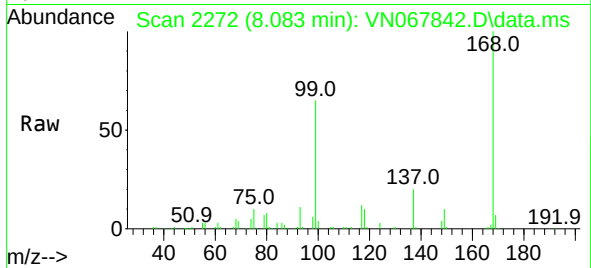




#31
Cyclohexane
Concen: 0.748 ug/l
RT: 8.083 min Scan# 2272
Delta R.T. -0.011 min
Lab File: VN067842.D
Acq: 21 Jul 2021 16:39

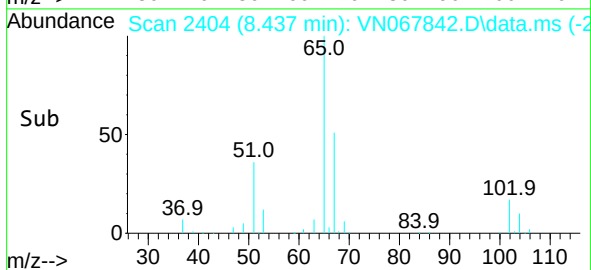
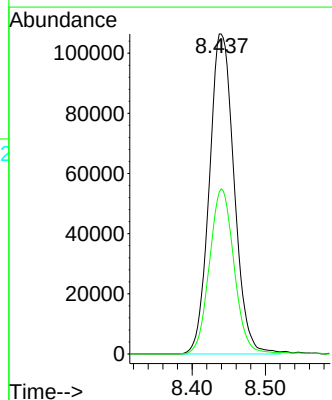
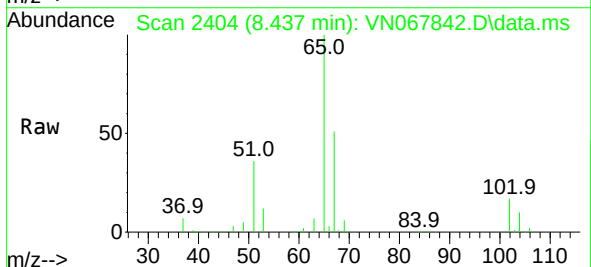
Instrument :
MSVOA_N
ClientSampled :

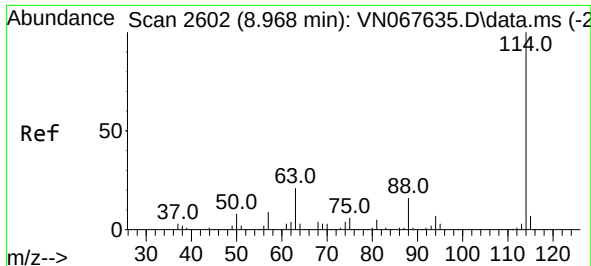
Tgt Ion: 56 Resp: 4924
Ion Ratio Lower Upper
56 100
69 141.4 27.3 40.9#
84 117.4 64.9 97.3#



#33
1,2-Dichloroethane-d4
Concen: 53.302 ug/l
RT: 8.437 min Scan# 2404
Delta R.T. -0.003 min
Lab File: VN067842.D
Acq: 21 Jul 2021 16:39

Tgt Ion: 65 Resp: 250210
Ion Ratio Lower Upper
65 100
67 51.0 0.0 98.6

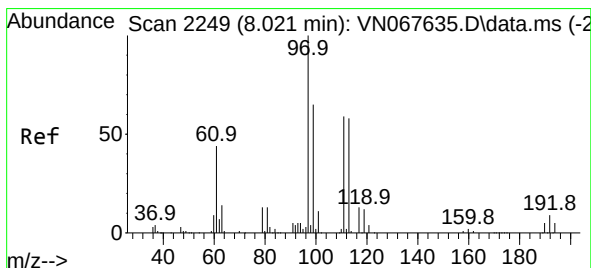
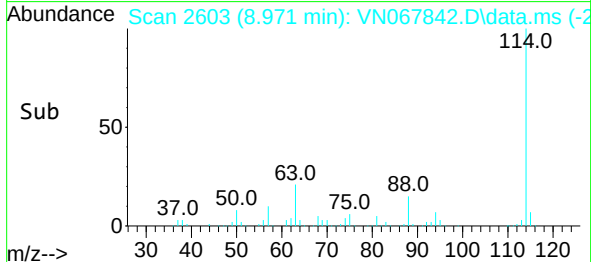
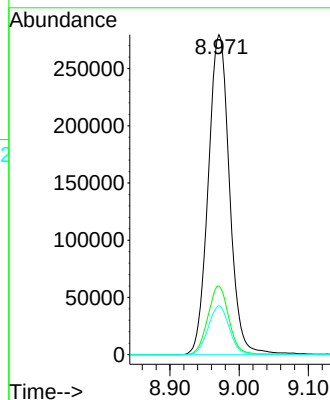
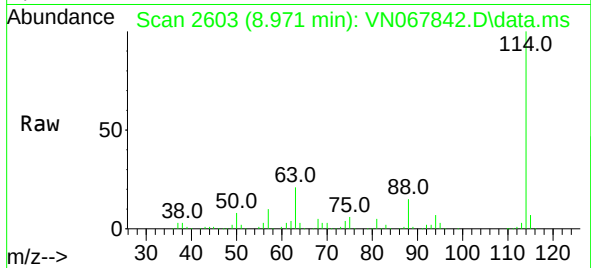




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.971 min Scan# 2603
Delta R.T. 0.003 min
Lab File: VN067842.D
Acq: 21 Jul 2021 16:39

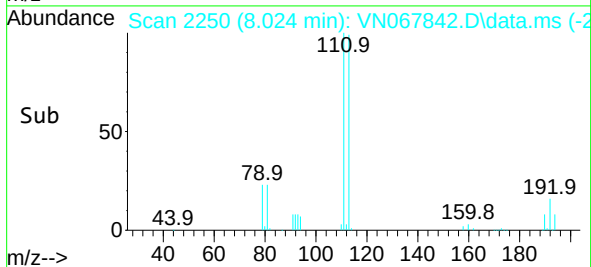
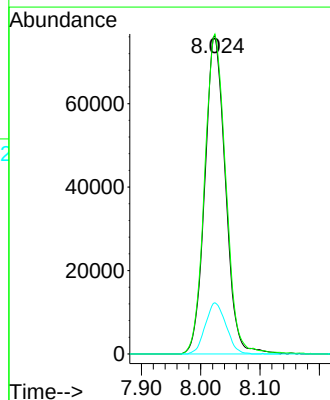
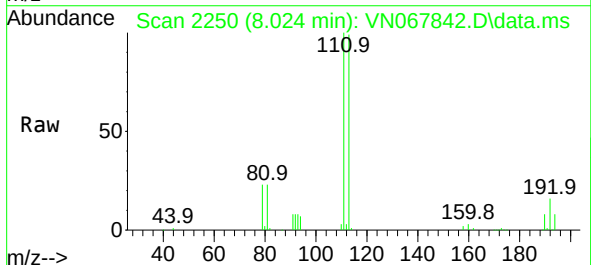
Instrument :
MSVOA_N
ClientSampled :

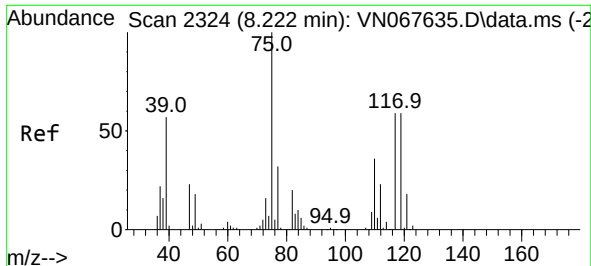
Tgt Ion:114 Resp: 596039
Ion Ratio Lower Upper
114 100
63 21.5 0.0 49.0
88 15.3 0.0 36.6



#35
Dibromofluoromethane
Concen: 50.933 ug/l
RT: 8.024 min Scan# 2250
Delta R.T. 0.003 min
Lab File: VN067842.D
Acq: 21 Jul 2021 16:39

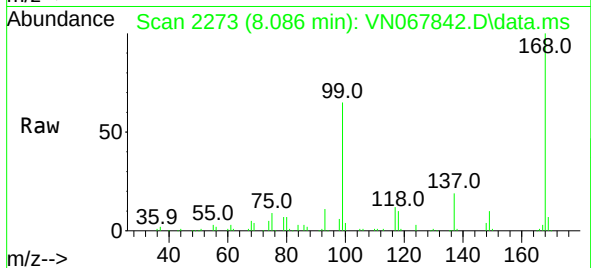
Tgt Ion:113 Resp: 183416
Ion Ratio Lower Upper
113 100
111 102.6 83.8 125.8
192 16.2 13.4 20.0



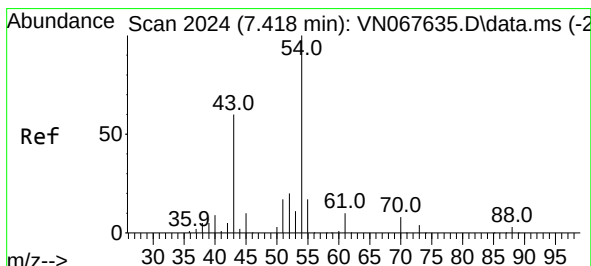
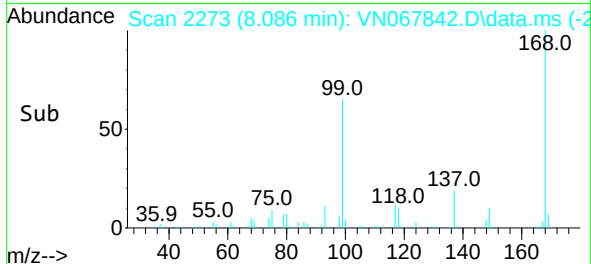
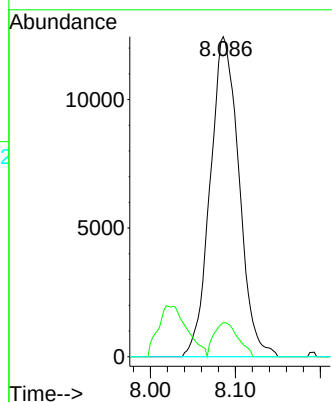


#36
1,1-Dichloropropene
Concen: 5.288 ug/l
RT: 8.086 min Scan# 2273
Delta R.T. -0.136 min
Lab File: VN067842.D
Acq: 21 Jul 2021 16:39

Instrument :
MSVOA_N
ClientSampleId :

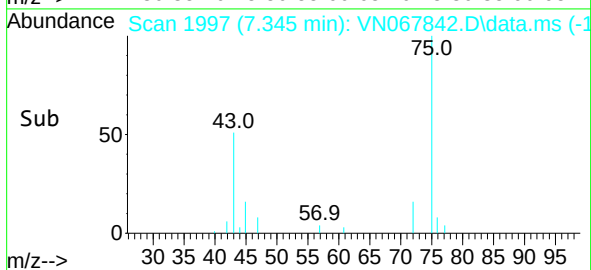
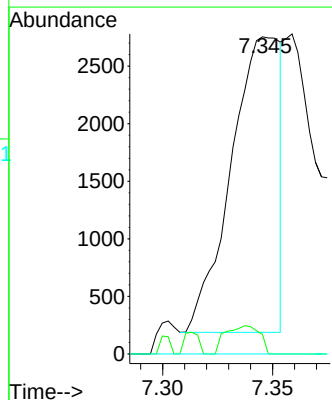
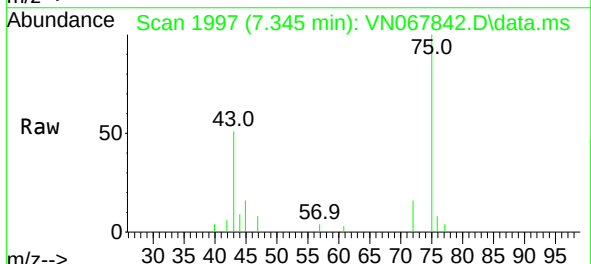


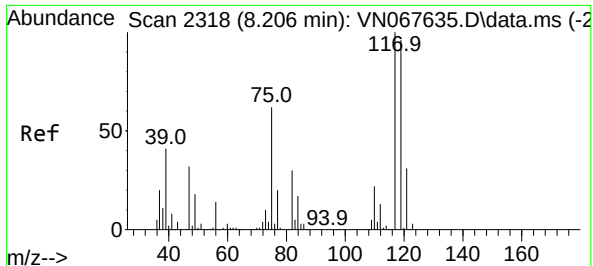
Tgt Ion: 75 Resp: 29278
Ion Ratio Lower Upper
75 100
110 8.8 15.7 47.0#
77 0.0 24.6 37.0#



#37
Ethyl Acetate
Concen: 0.740 ug/l
RT: 7.345 min Scan# 1997
Delta R.T. -0.073 min
Lab File: VN067842.D
Acq: 21 Jul 2021 16:39

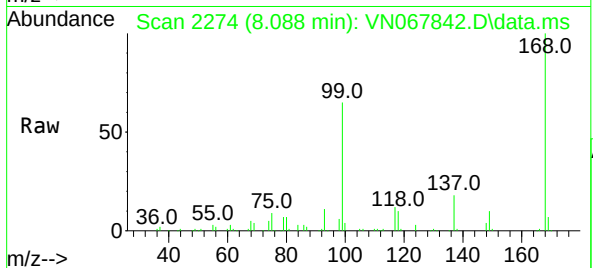
Tgt Ion: 43 Resp: 3971
Ion Ratio Lower Upper
43 100
61 6.7 10.6 16.0#
70 0.0 8.1 12.1#



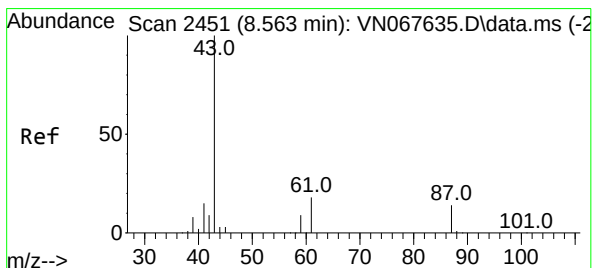
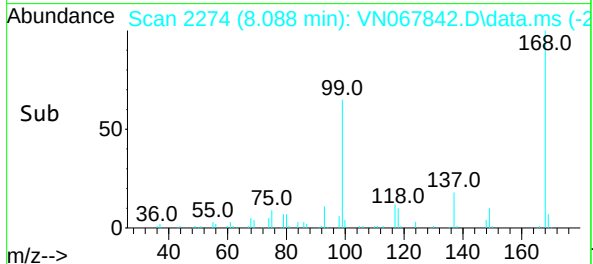
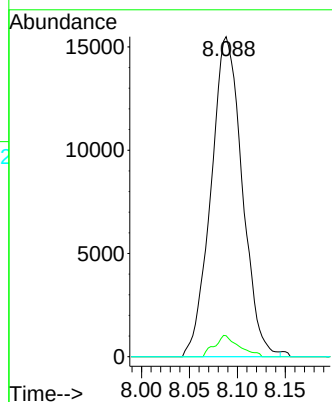


#38
Carbon Tetrachloride
Concen: 6.434 ug/l
RT: 8.088 min Scan# 2274
Delta R.T. -0.118 min
Lab File: VN067842.D
Acq: 21 Jul 2021 16:39

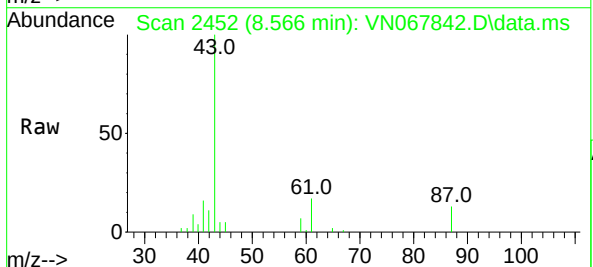
Instrument :
MSVOA_N
ClientSampleId :



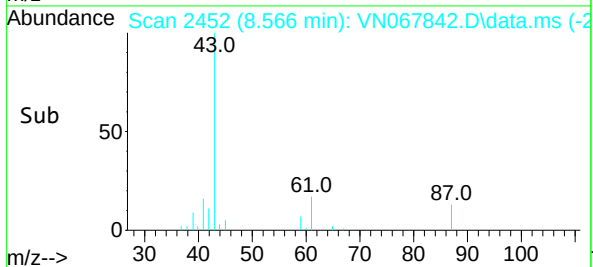
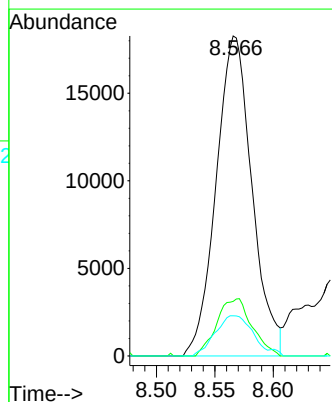
Tgt Ion:117 Resp: 35138
Ion Ratio Lower Upper
117 100
119 6.6 75.4 113.2#
121 0.0 23.5 35.3#

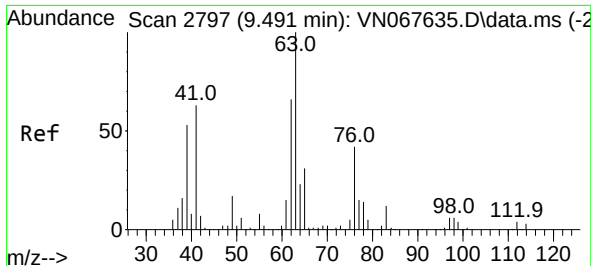


#43
Isopropyl Acetate
Concen: 4.127 ug/l
RT: 8.566 min Scan# 2452
Delta R.T. 0.003 min
Lab File: VN067842.D
Acq: 21 Jul 2021 16:39



Tgt Ion: 43 Resp: 38941
Ion Ratio Lower Upper
43 100
61 17.6 19.0 28.4#
87 13.4 9.5 14.3



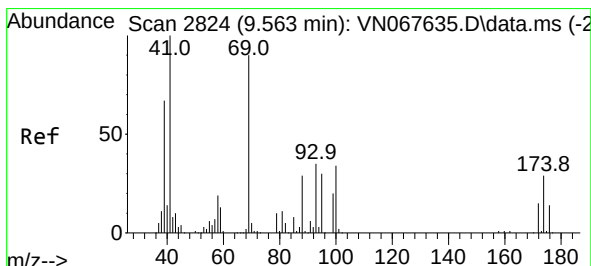
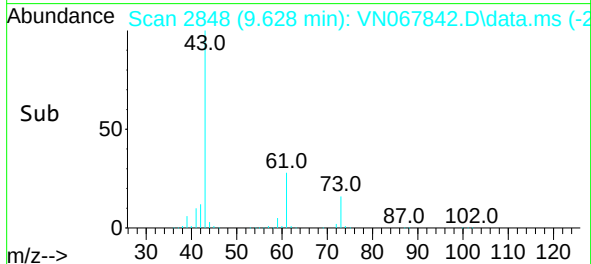
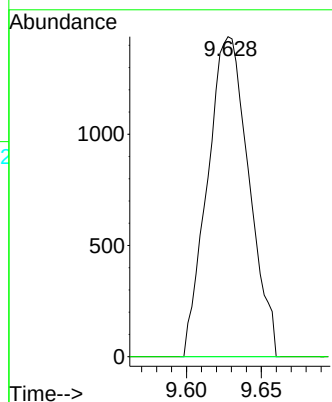
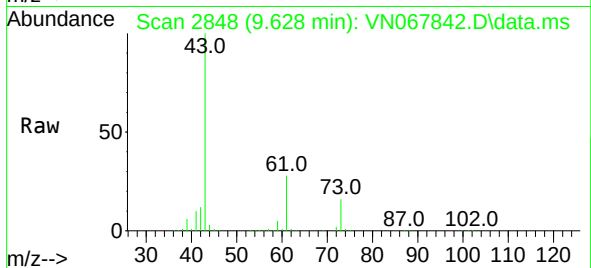


#45

1,2-Dichloropropane
Concen: 0.660 ug/l
RT: 9.628 min Scan# 2848
Delta R.T. 0.137 min
Lab File: VN067842.D
Acq: 21 Jul 2021 16:39

Instrument :
MSVOA_N
ClientSampled :

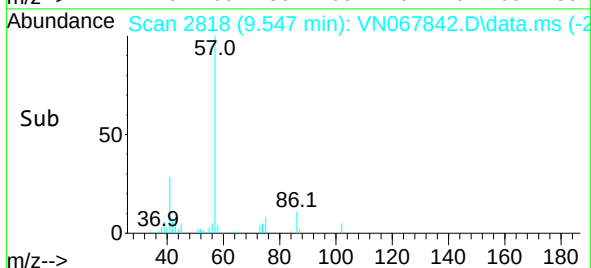
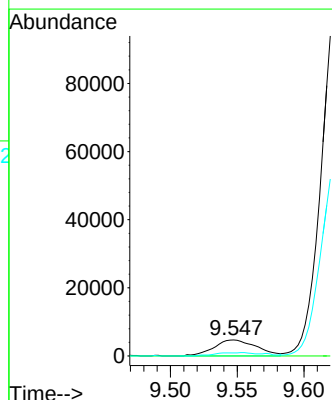
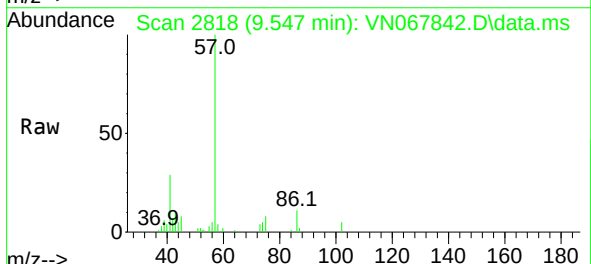
Tgt Ion: 63 Resp: 2769
Ion Ratio Lower Upper
63 100
65 0.0 24.3 36.5#

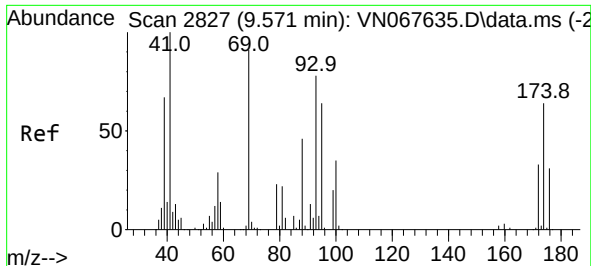


#48

Methyl methacrylate
Concen: 2.506 ug/l
RT: 9.547 min Scan# 2818
Delta R.T. -0.016 min
Lab File: VN067842.D
Acq: 21 Jul 2021 16:39

Tgt Ion: 41 Resp: 10460
Ion Ratio Lower Upper
41 100
69 0.0 64.6 96.8#
39 0.0 53.3 79.9#

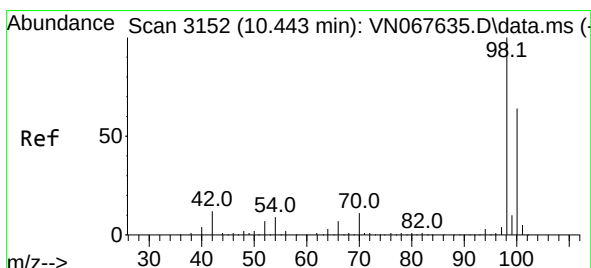
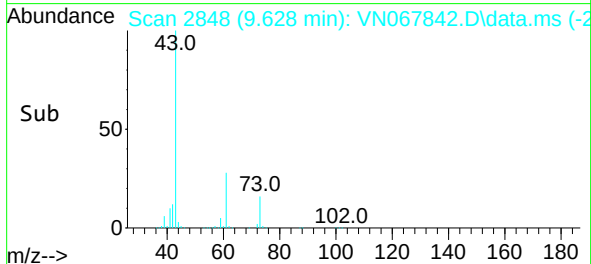
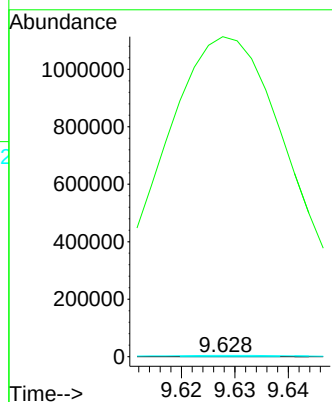
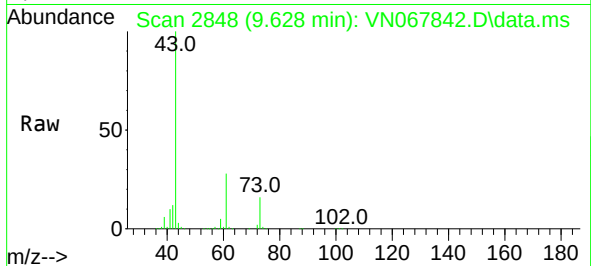




#49
1,4-Dioxane
Concen: 34.068 ug/l
RT: 9.628 min Scan# 2848
Delta R.T. 0.057 min
Lab File: VN067842.D
Acq: 21 Jul 2021 16:39

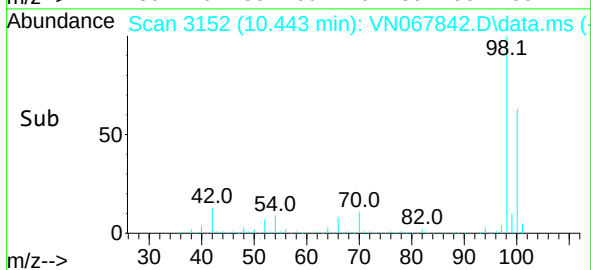
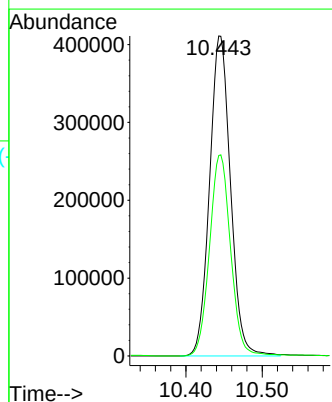
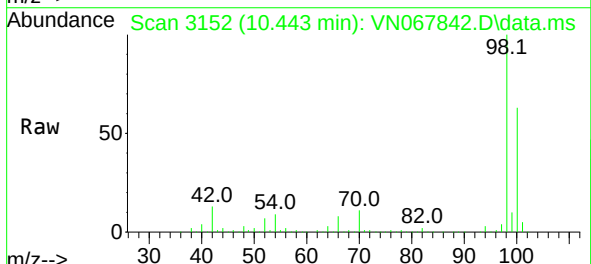
Instrument :
MSVOA_N
ClientSampled :

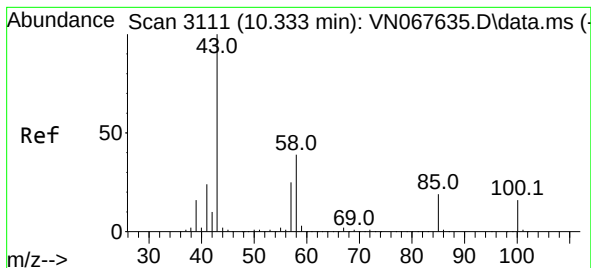
Tgt Ion: 88 Resp: 166
Ion Ratio Lower Upper
88 100
43 1291139.8 28.8 43.2#
58 5624.1 60.4 90.6#



#50
Toluene-d8
Concen: 52.017 ug/l
RT: 10.443 min Scan# 3152
Delta R.T. 0.000 min
Lab File: VN067842.D
Acq: 21 Jul 2021 16:39

Tgt Ion: 98 Resp: 784075
Ion Ratio Lower Upper
98 100
100 63.3 51.7 77.5

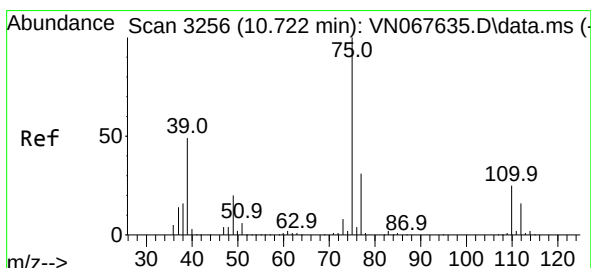
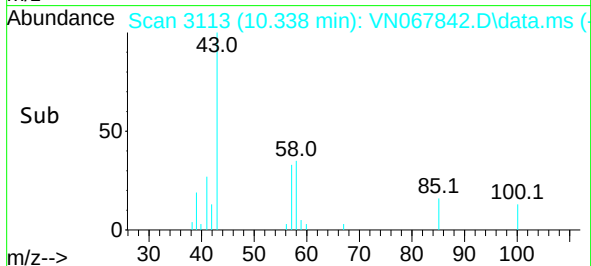
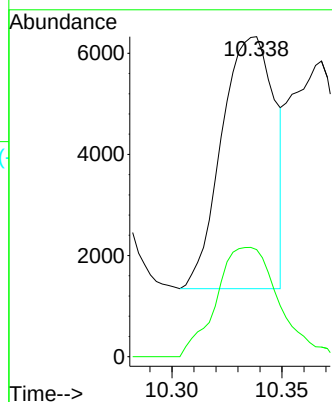
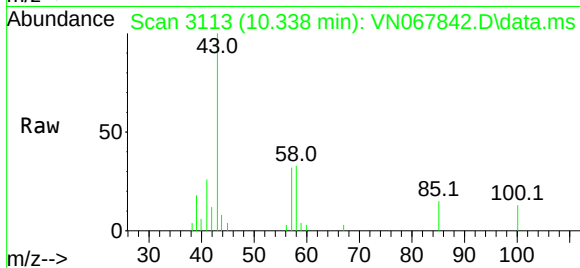




#51
4-Methyl-2-Pentanone
Concen: 1.439 ug/l
RT: 10.338 min Scan# 3113
Delta R.T. 0.005 min
Lab File: VN067842.D
Acq: 21 Jul 2021 16:39

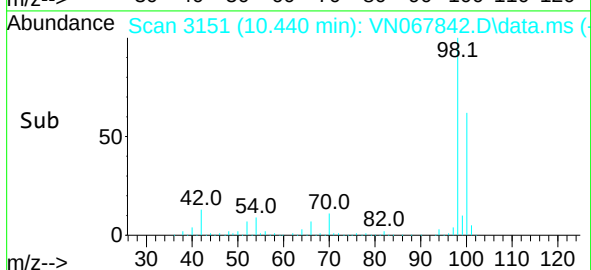
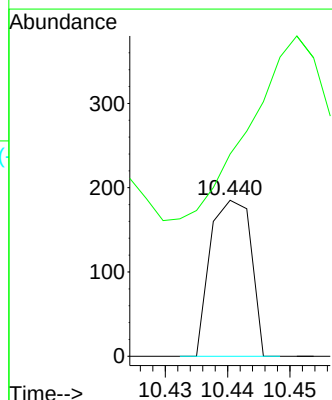
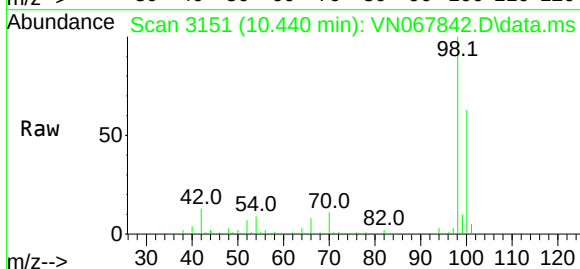
Instrument :
MSVOA_N
ClientSampled :

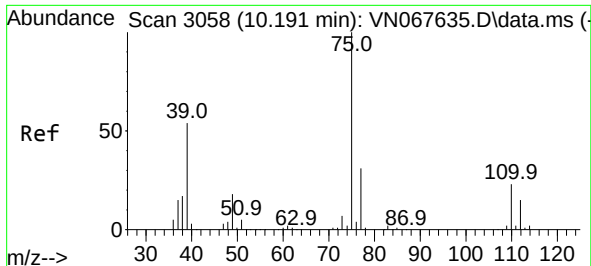
Tgt Ion: 43 Resp: 8342
Ion Ratio Lower Upper
43 100
58 50.8 28.6 43.0#



#53
t-1,3-Dichloropropene
Concen: 1.756 ug/l
RT: 10.440 min Scan# 3151
Delta R.T. -0.282 min
Lab File: VN067842.D
Acq: 21 Jul 2021 16:39

Tgt Ion: 75 Resp: 84
Ion Ratio Lower Upper
75 100
77 41.6 25.1 37.7#

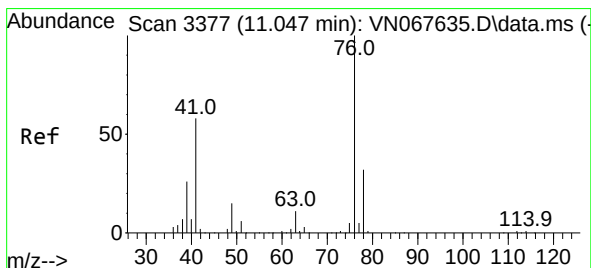
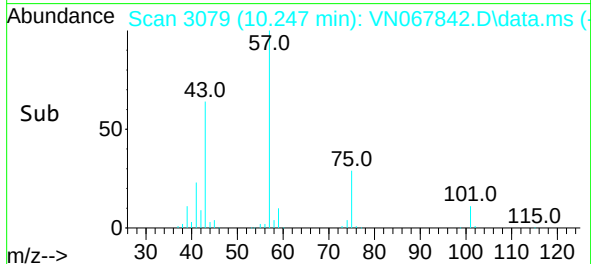
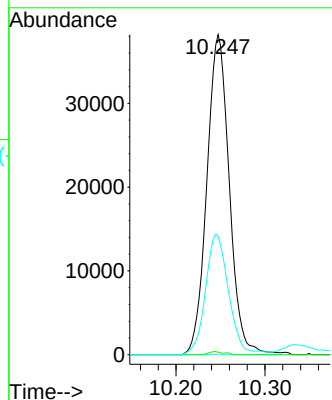
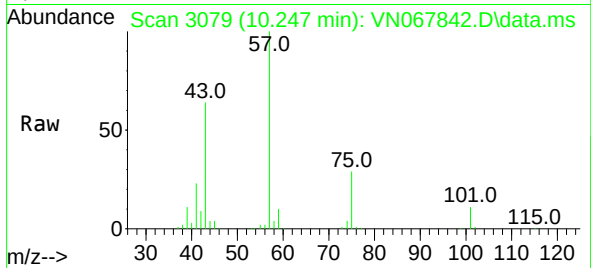




#54
cis-1,3-Dichloropropene
Concen: 10.322 ug/l
RT: 10.247 min Scan# 3079
Delta R.T. 0.056 min
Lab File: VN067842.D
Acq: 21 Jul 2021 16:39

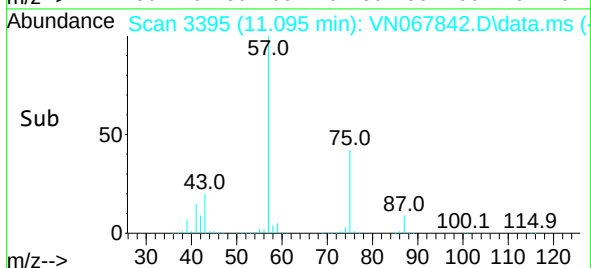
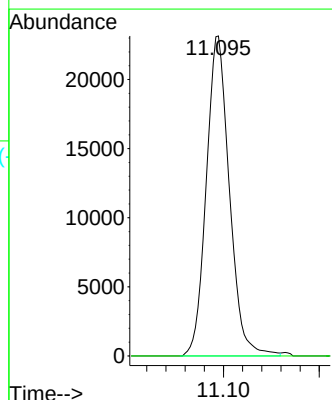
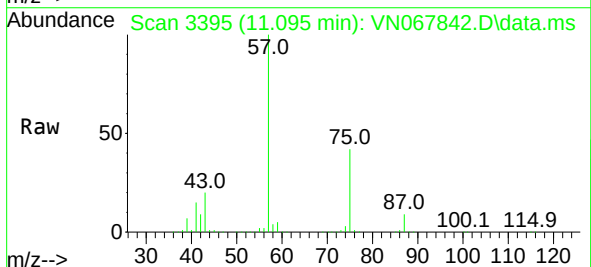
Instrument :
MSVOA_N
ClientSampleId :

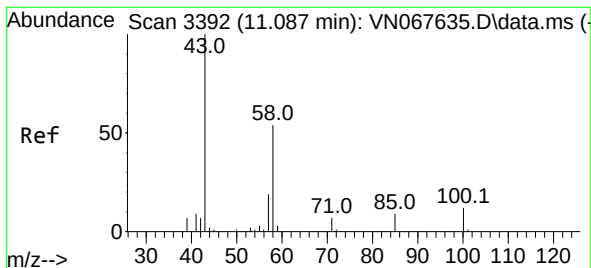
Tgt Ion: 75 Resp: 66815
Ion Ratio Lower Upper
75 100
77 0.8 24.6 37.0#
39 36.9 50.7 76.1#



#57
1,3-Dichloropropane
Concen: 5.439 ug/l
RT: 11.095 min Scan# 3395
Delta R.T. 0.048 min
Lab File: VN067842.D
Acq: 21 Jul 2021 16:39

Tgt Ion: 76 Resp: 38802
Ion Ratio Lower Upper
76 100
78 0.0 25.7 38.5#

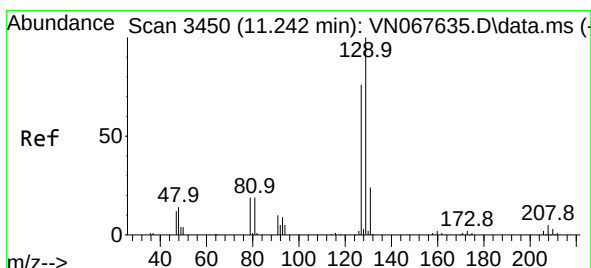
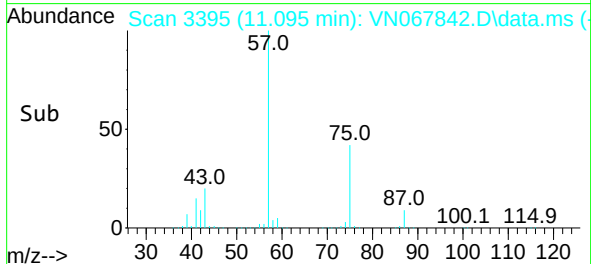
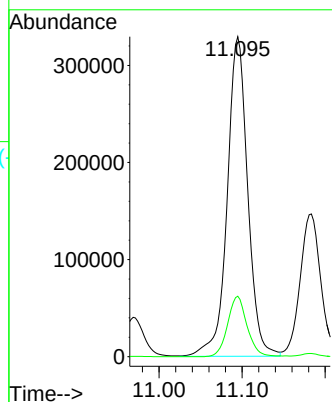
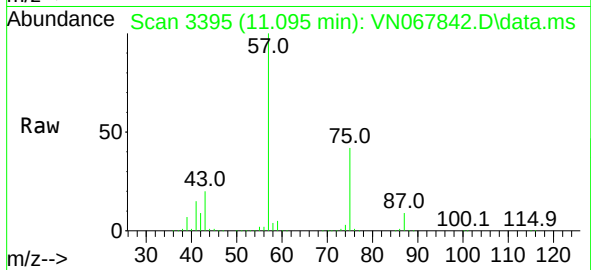




#59
2-Hexanone
Concen: 139.683 ug/l
RT: 11.095 min Scan# 3395
Delta R.T. 0.008 min
Lab File: VN067842.D
Acq: 21 Jul 2021 16:39

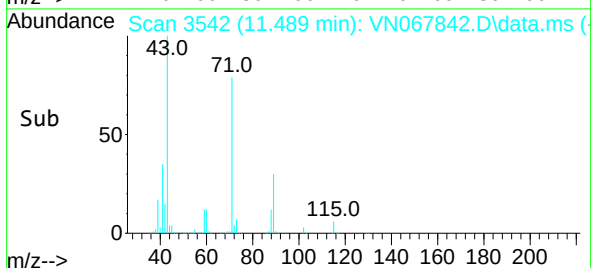
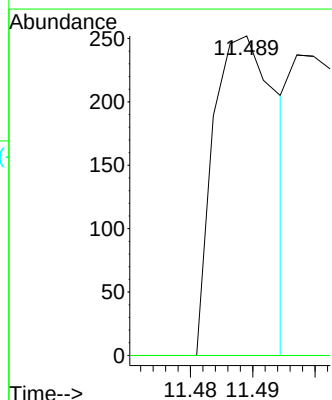
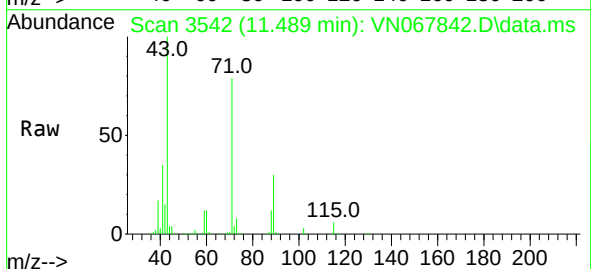
Instrument :
MSVOA_N
ClientSampled :

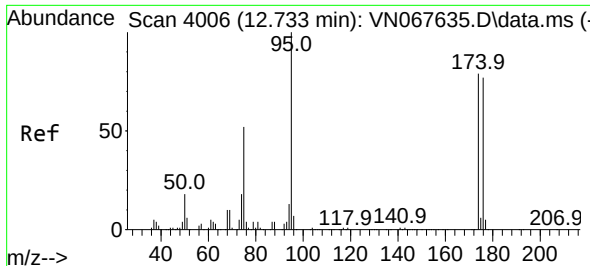
Tgt Ion: 43 Resp: 565240
Ion Ratio Lower Upper
43 100
58 18.0 24.7 74.1#



#60
Dibromochloromethane
Concen: 2.390 ug/l
RT: 11.489 min Scan# 3542
Delta R.T. 0.247 min
Lab File: VN067842.D
Acq: 21 Jul 2021 16:39

Tgt Ion:129 Resp: 179
Ion Ratio Lower Upper
129 100
127 0.0 38.6 115.8#

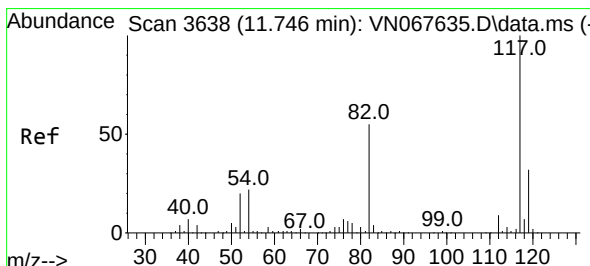
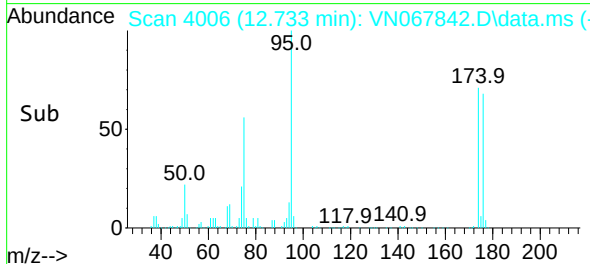
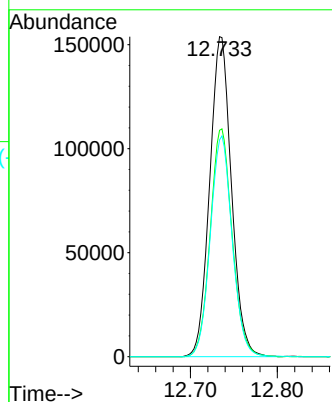
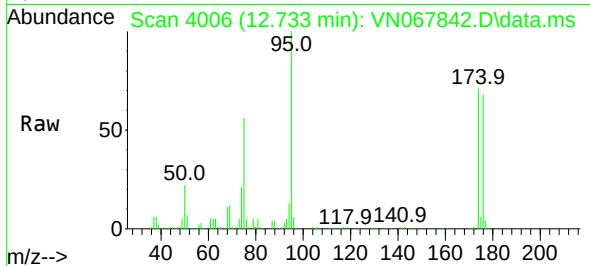




#62
4-Bromofluorobenzene
Concen: 50.227 ug/l
RT: 12.733 min Scan# 4006
Delta R.T. 0.000 min
Lab File: VN067842.D
Acq: 21 Jul 2021 16:39

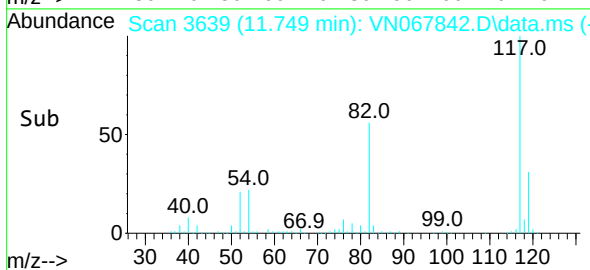
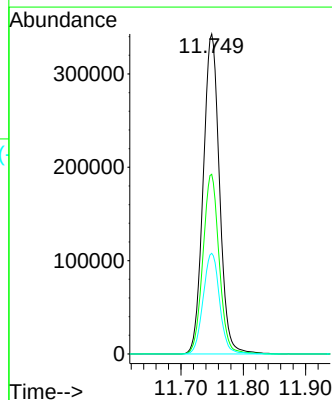
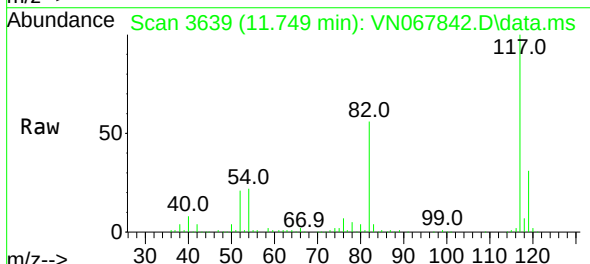
Instrument :
MSVOA_N
ClientSampleId :

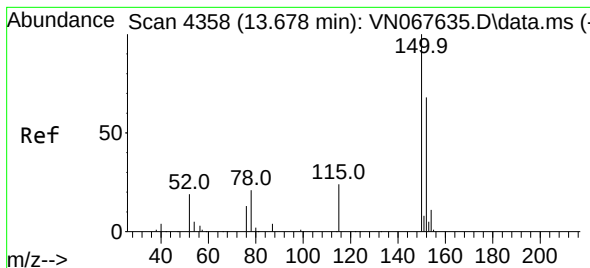
Tgt Ion: 95 Resp: 267448
Ion Ratio Lower Upper
95 100
174 71.9 0.0 122.0
176 69.2 0.0 117.6



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.749 min Scan# 3639
Delta R.T. 0.003 min
Lab File: VN067842.D
Acq: 21 Jul 2021 16:39

Tgt Ion: 117 Resp: 621841
Ion Ratio Lower Upper
117 100
82 56.2 53.1 79.7
119 31.5 25.5 38.3





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.678 min Scan# 4358

Delta R.T. -0.000 min

Lab File: VN067842.D

Acq: 21 Jul 2021 16:39

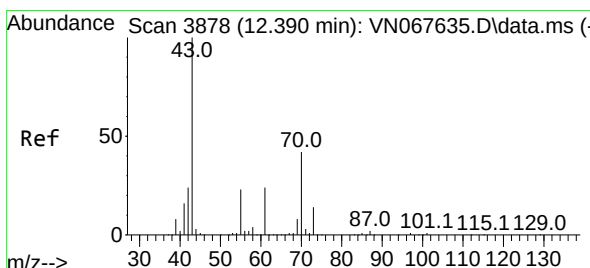
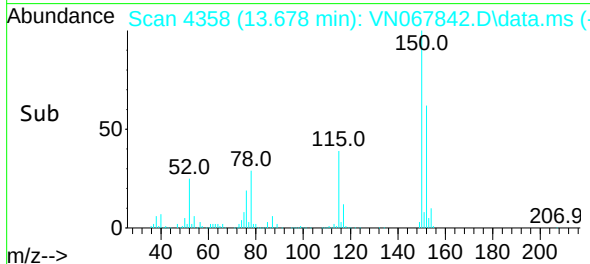
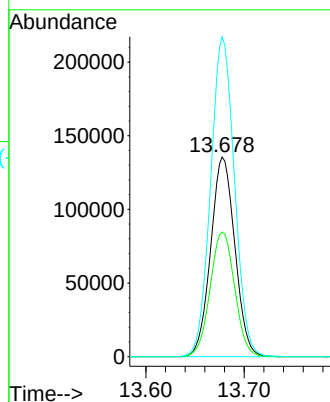
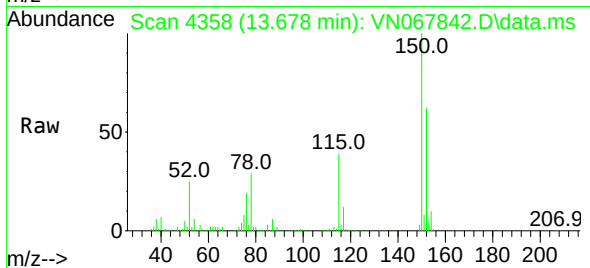
Tgt Ion:152 Resp: 231407

Ion Ratio Lower Upper

152 100

115 63.4 36.1 108.5

150 158.3 0.0 351.8



#74

N-ethyl acetate

Concen: 3.059 ug/l

RT: 12.200 min Scan# 3807

Delta R.T. -0.190 min

Lab File: VN067842.D

Acq: 21 Jul 2021 16:39

Tgt Ion: 43 Resp: 20717

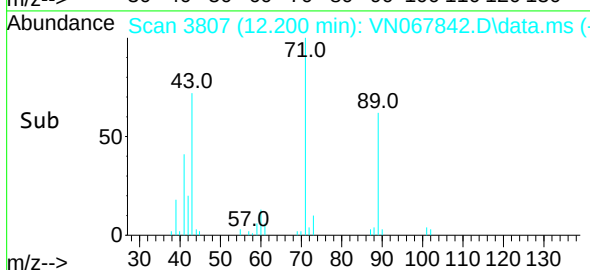
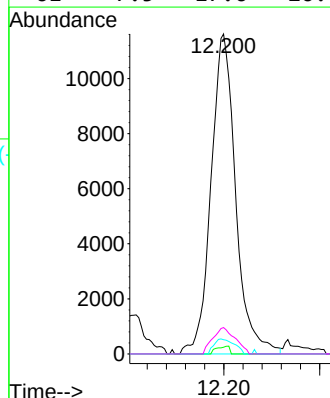
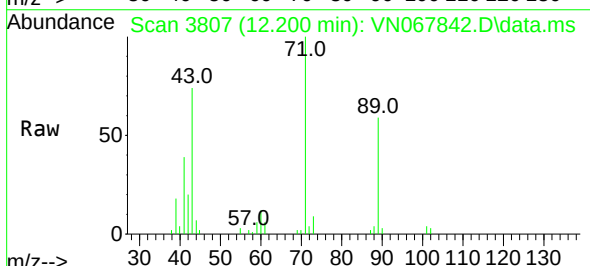
Ion Ratio Lower Upper

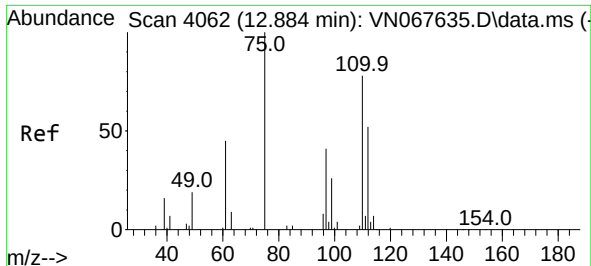
43 100

70 1.3 29.4 44.2#

55 3.8 17.0 25.4#

61 7.5 17.6 26.4#

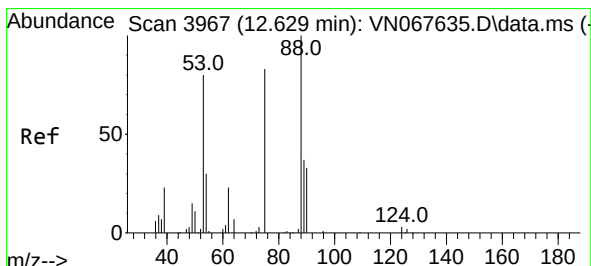
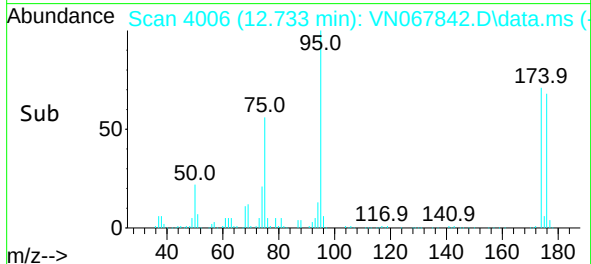
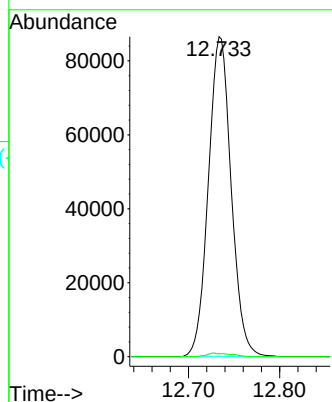
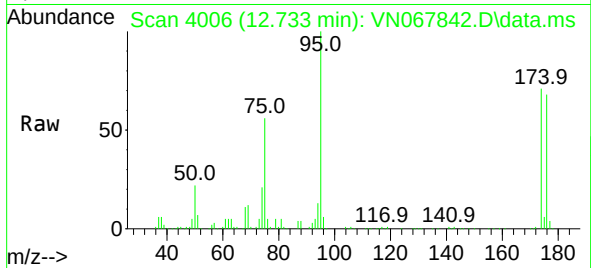




#76
1,2,3-Trichloropropane
Concen: 31.803 ug/l
RT: 12.733 min Scan# 4006
Delta R.T. -0.151 min
Lab File: VN067842.D
Acq: 21 Jul 2021 16:39

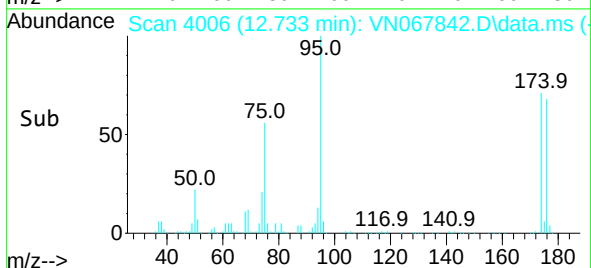
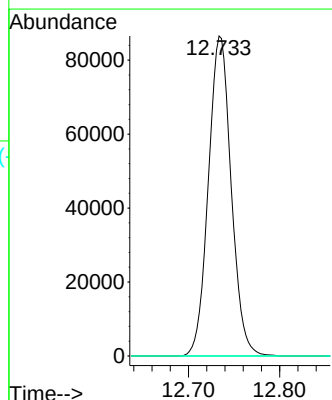
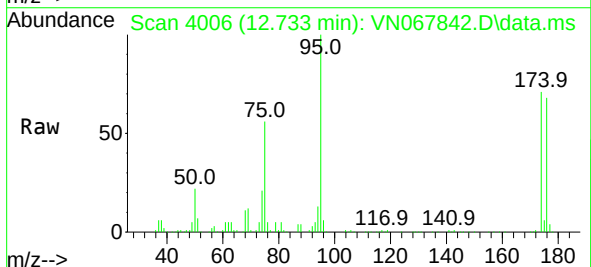
Instrument :
MSVOA_N
ClientSampled :

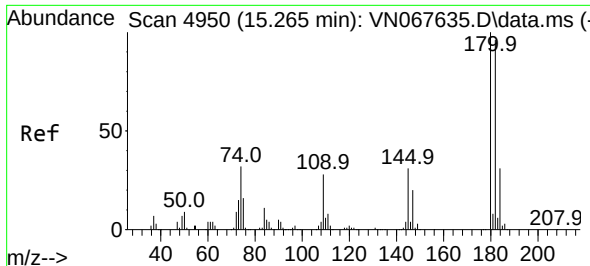
Tgt Ion: 75 Resp: 150291
Ion Ratio Lower Upper
75 100
77 1.2 0.0 0.0#



#81
trans-1,4-Dichloro-2-butene
Concen: 102.535 ug/l
RT: 12.733 min Scan# 4006
Delta R.T. 0.104 min
Lab File: VN067842.D
Acq: 21 Jul 2021 16:39

Tgt Ion: 75 Resp: 150291
Ion Ratio Lower Upper
75 100
53 0.0 87.6 131.4#
89 0.0 37.8 56.8#

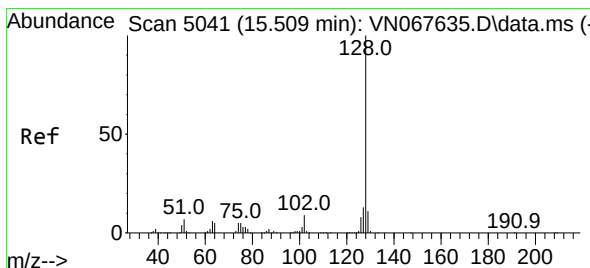
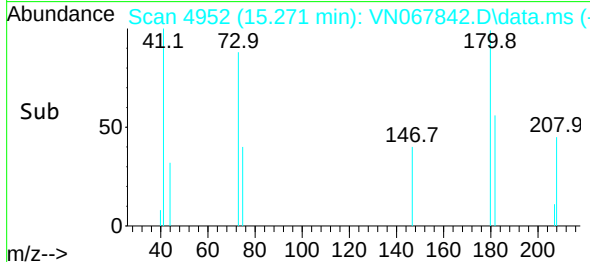
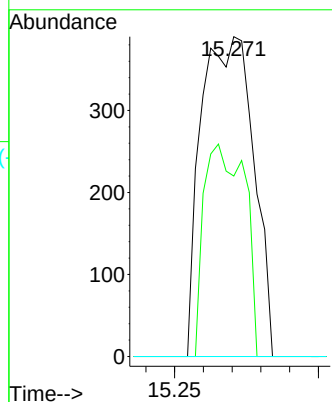
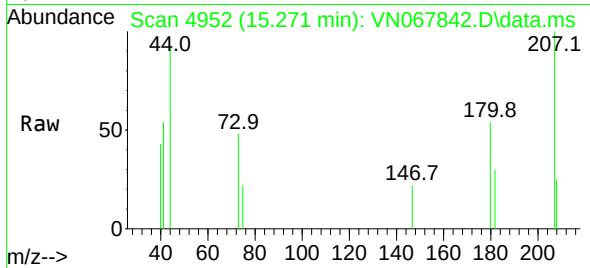




#93
1,2,4-Trichlorobenzene
Concen: 2.796 ug/l
RT: 15.271 min Scan# 4952
Delta R.T. 0.006 min
Lab File: VN067842.D
Acq: 21 Jul 2021 16:39

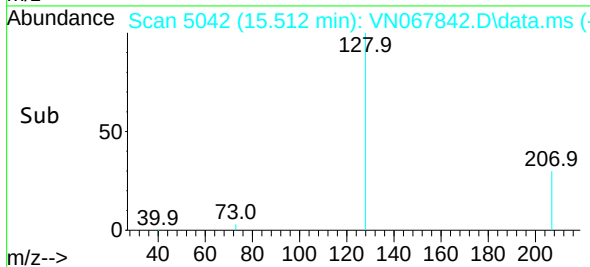
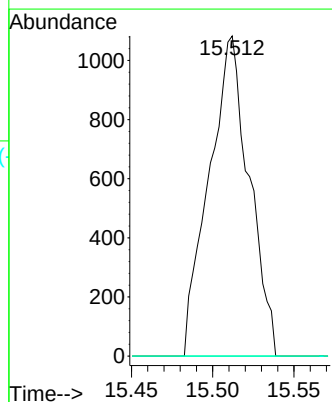
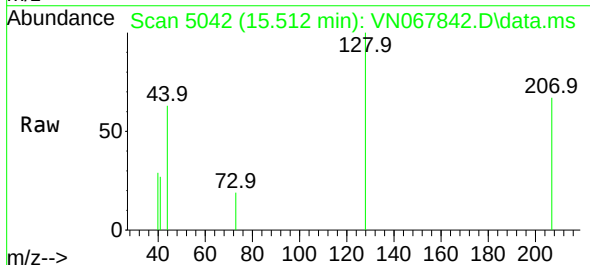
Instrument :
MSVOA_N
ClientSampled :

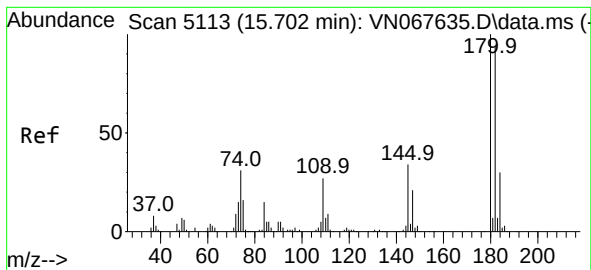
Tgt Ion:180 Resp: 494
Ion Ratio Lower Upper
180 100
182 51.8 47.5 142.5
145 0.0 17.2 51.6#



#95
Naphthalene
Concen: 3.167 ug/l
RT: 15.512 min Scan# 5042
Delta R.T. 0.003 min
Lab File: VN067842.D
Acq: 21 Jul 2021 16:39

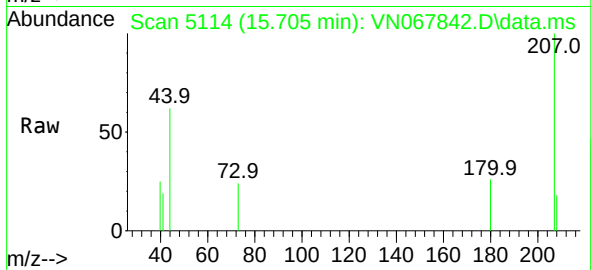
Tgt Ion:128 Resp: 1860
Ion Ratio Lower Upper
128 100
127 0.0 10.6 15.8#
129 0.0 8.6 12.8#





#96
 1,2,3-Trichlorobenzene
 Concen: 2.652 ug/l
 RT: 15.705 min Scan# 5114
 Delta R.T. 0.003 min
 Lab File: VN067842.D
 Acq: 21 Jul 2021 16:39

Instrument :
 MSVOA_N
 ClientSampleId :



Tgt Ion:180 Resp: 76
 Ion Ratio Lower Upper
 180 100
 182 150.0 47.8 143.3#
 145 0.0 18.2 54.6#

