

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN080921\
 Data File : VN067035.D
 Acq On : 9 Aug 2021 12:56
 Operator : JC/MD
 Sample : VN0809WBL01
 Misc : 5.00mL/MSVOA_N/WATER
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :

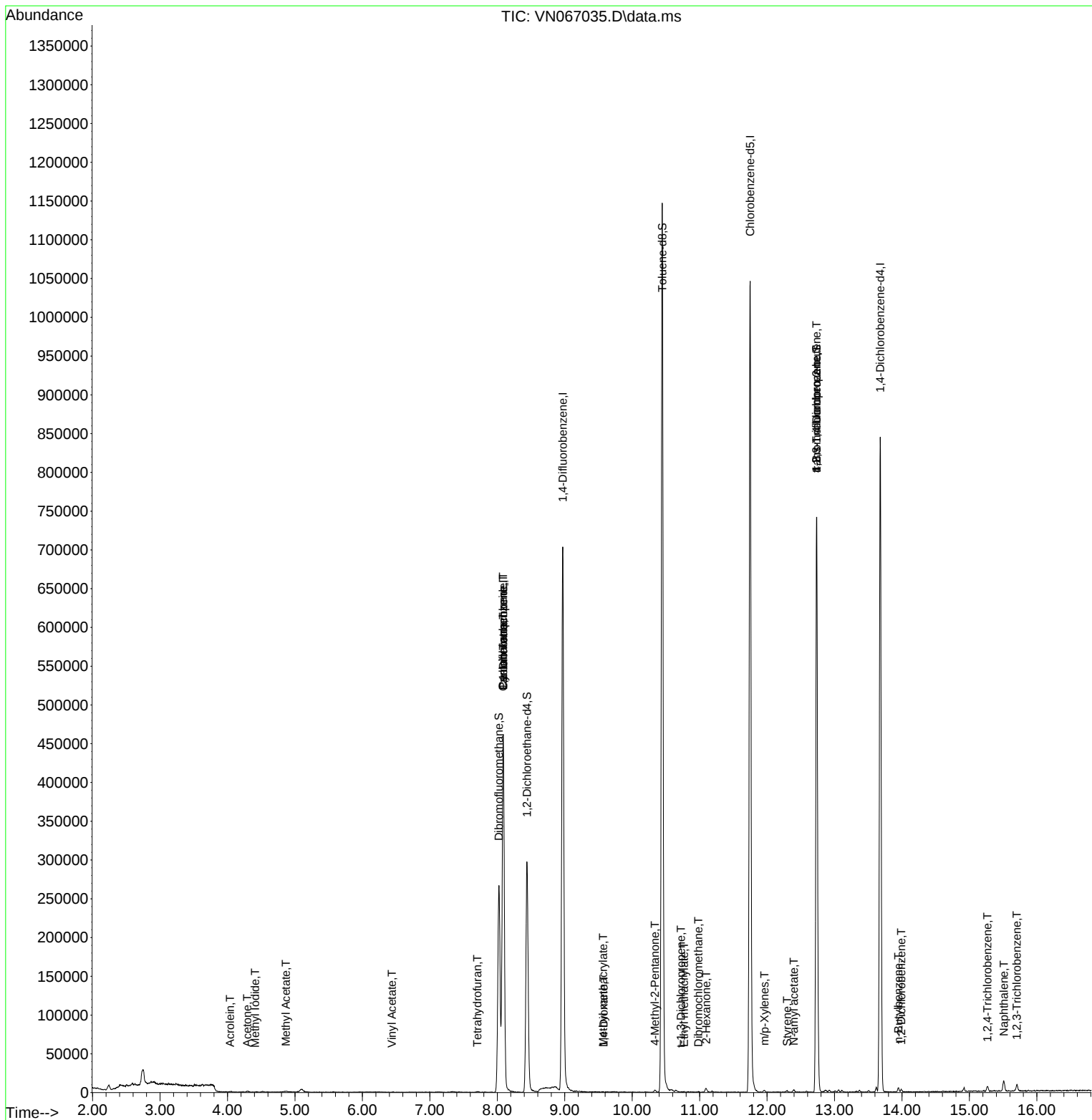
Quant Time: Aug 10 03:48:43 2021
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N072921W.M
 Quant Title : SW846 8260
 QLast Update : Thu Jul 29 15:02:35 2021
 Response via : Initial Calibration

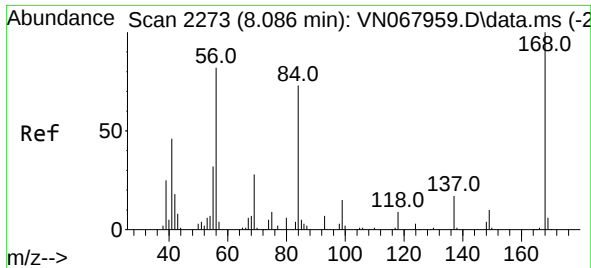
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

Internal Standards						
1) Pentafluorobenzene	8.088	168	334296	50.000	ug/l	# 0.00
34) 1,4-Difluorobenzene	8.971	114	632264	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.749	117	618794	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.678	152	220465	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.440	65	253746	53.617	ug/l	0.00
Spiked Amount 50.000	Range 61 - 141		Recovery = 107.240%			
35) Dibromofluoromethane	8.024	113	197853	53.695	ug/l	0.00
Spiked Amount 50.000	Range 69 - 133		Recovery = 107.400%			
50) Toluene-d8	10.446	98	804136	47.497	ug/l	0.00
Spiked Amount 50.000	Range 65 - 126		Recovery = 95.000%			
62) 4-Bromofluorobenzene	12.733	95	259668	42.542	ug/l	0.00
Spiked Amount 50.000	Range 58 - 135		Recovery = 85.080%			
Target Compounds						Qvalue
10) Methyl Iodide	4.411	142	218	3.167	ug/l	# 33
13) Acrolein	4.039	56	316	0.734	ug/l	98
16) Acetone	4.293	43	1931	1.118	ug/l	92
18) Methyl Acetate	4.867	43	1294	0.210	ug/l	# 63
23) Vinyl Acetate	6.439	43	162	8.814	ug/l	# 75
29) Tetrahydrofuran	7.702	42	338	0.211	ug/l	# 35
31) Cyclohexane	8.088	56	8377	1.200	ug/l	# 19
36) 1,1-Dichloropropene	8.088	75	28835	4.930	ug/l	# 48
38) Carbon Tetrachloride	8.086	117	36061	6.270	ug/l	# 17
48) Methyl methacrylate	9.569	41	56	2.317	ug/l	# 1
49) 1,4-Dioxane	9.577	88	25	0.343	ug/l	# 1
51) 4-Methyl-2-Pentanone	10.339	43	2492	12.921	ug/l	# 73
53) t-1,3-Dichloropropene	10.722	75	127	2.849	ug/l	# 1
56) Ethyl methacrylate	10.770	69	256	3.129	ug/l	# 79
59) 2-Hexanone	11.098	43	3900	14.063	ug/l	93
60) Dibromochloromethane	10.982	129	88	3.318	ug/l	# 11
68) m/p-Xylenes	11.961	106	797	4.140	ug/l	77
70) Styrene	12.299	104	808	2.679	ug/l	# 58
74) N-amyl acetate	12.398	43	2204	0.353	ug/l	# 77
76) 1,2,3-Trichloropropane	12.733	75	144507	32.638	ug/l	# 100
81) trans-1,4-Dichloro-2-b...	12.733	75	144507	87.634	ug/l	# 6
89) n-Butylbenzene	13.946	91	3447	0.298	ug/l	100
91) 1,2-Dichlorobenzene	13.991	146	1497	0.210	ug/l	78
93) 1,2,4-Trichlorobenzene	15.268	180	2171	3.111	ug/l	92
95) Naphthalene	15.509	128	12404	4.385	ug/l	99
96) 1,2,3-Trichlorobenzene	15.702	180	2932	3.289	ug/l	93

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

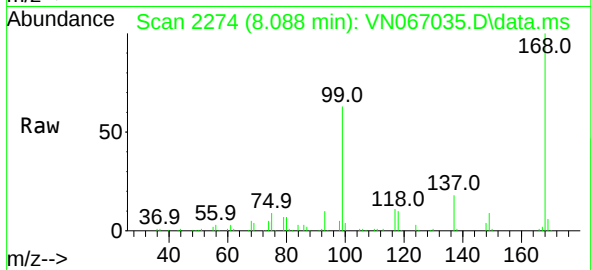
Quant Time: Aug 10 03:48:43 2021
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N072921W.M
Quant Title : SW846 8260
QLast Update : Thu Jul 29 15:02:35 2021
Response via : Initial Calibration



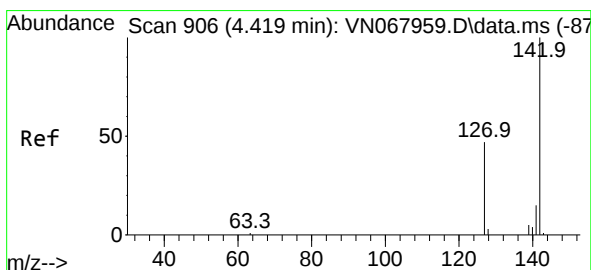
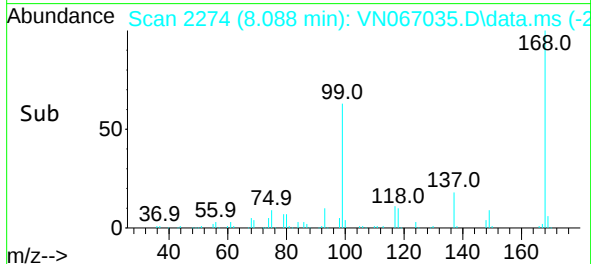
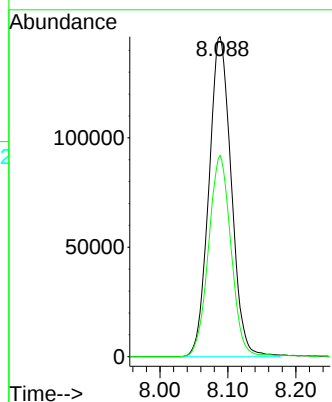


#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.088 min Scan# 2274
Delta R.T. 0.002 min
Lab File: VN067035.D
Acq: 9 Aug 2021 12:56

Instrument :
MSVOA_N
ClientSampled :

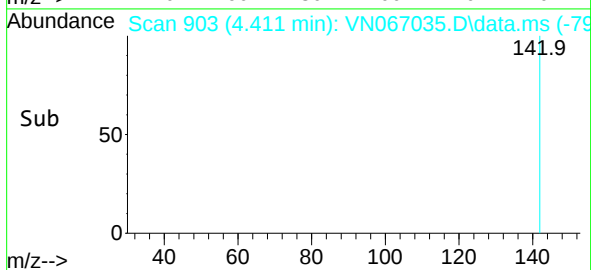
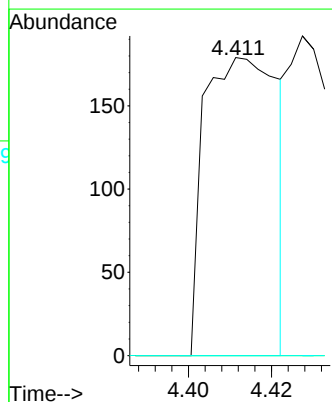
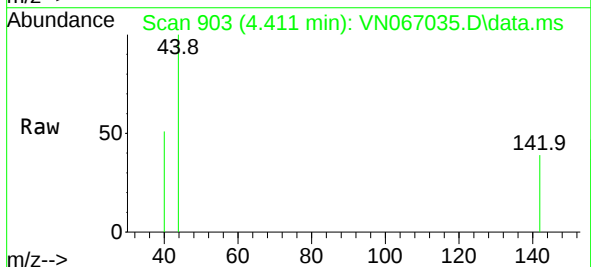


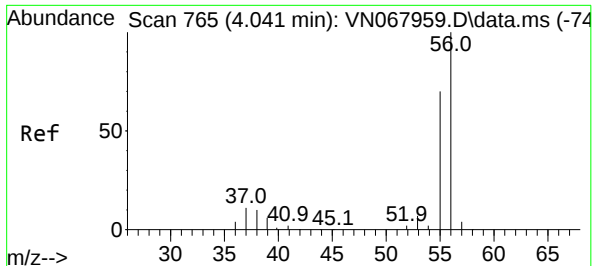
Tgt Ion:168 Resp: 334296
Ion Ratio Lower Upper
168 100
99 62.8 62.9 94.3#



#10
Methyl Iodide
Concen: 3.167 ug/l
RT: 4.411 min Scan# 903
Delta R.T. -0.008 min
Lab File: VN067035.D
Acq: 9 Aug 2021 12:56

Tgt Ion:142 Resp: 218
Ion Ratio Lower Upper
142 100
127 0.0 43.1 64.7#
141 0.0 11.4 17.0#

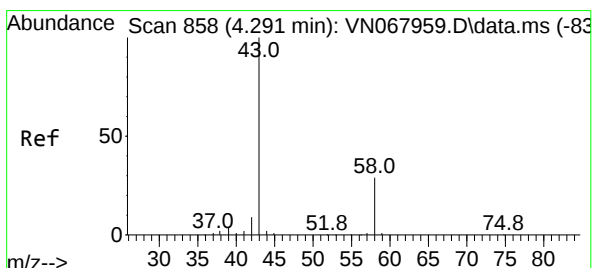
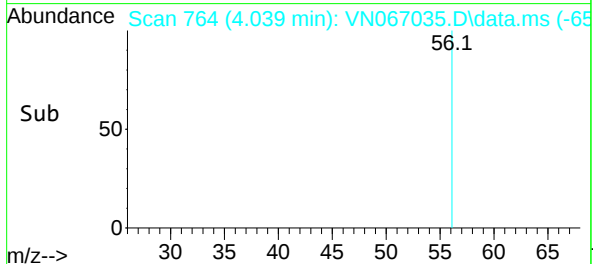
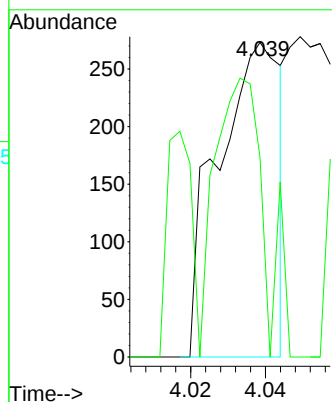
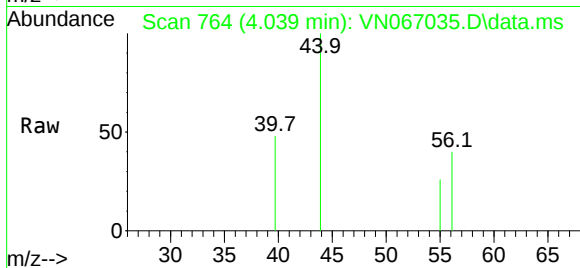




#13
Acrolein
Concen: 0.734 ug/l
RT: 4.039 min Scan# 764
Delta R.T. -0.002 min
Lab File: VN067035.D
Acq: 9 Aug 2021 12:56

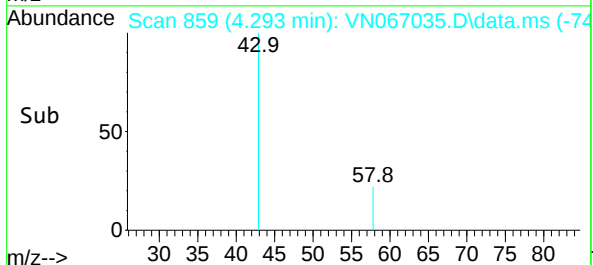
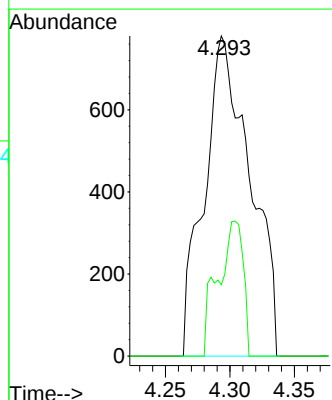
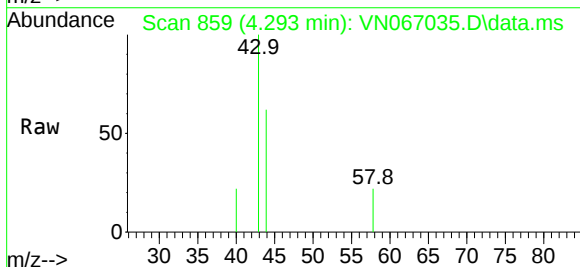
Instrument :
MSVOA_N
ClientSampled :

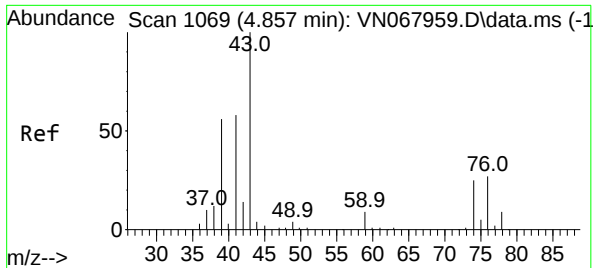
Tgt Ion: 56 Resp: 316
Ion Ratio Lower Upper
56 100
55 69.9 57.4 86.0



#16
Acetone
Concen: 1.118 ug/l
RT: 4.293 min Scan# 859
Delta R.T. 0.002 min
Lab File: VN067035.D
Acq: 9 Aug 2021 12:56

Tgt Ion: 43 Resp: 1931
Ion Ratio Lower Upper
43 100
58 22.3 21.2 31.8

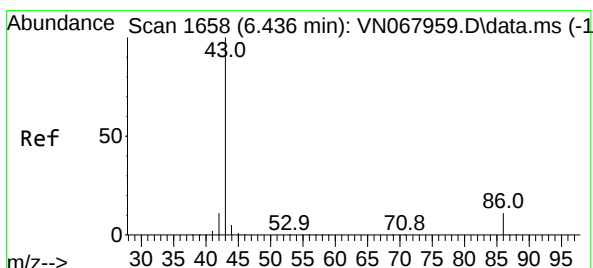
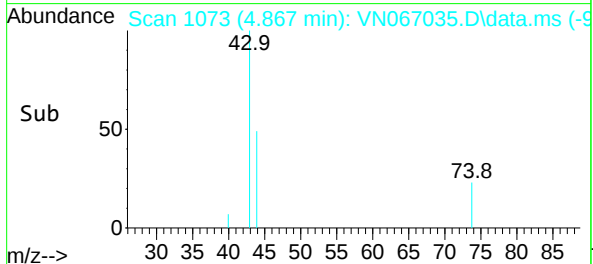
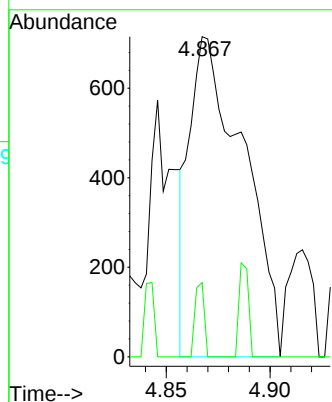
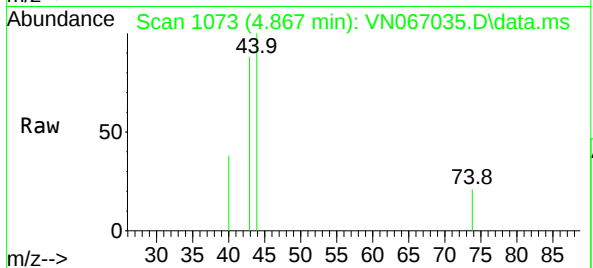




#18
Methyl Acetate
Concen: 0.210 ug/l
RT: 4.867 min Scan# 1073
Delta R.T. 0.010 min
Lab File: VN067035.D
Acq: 9 Aug 2021 12:56

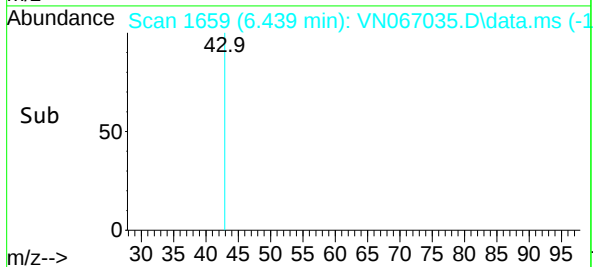
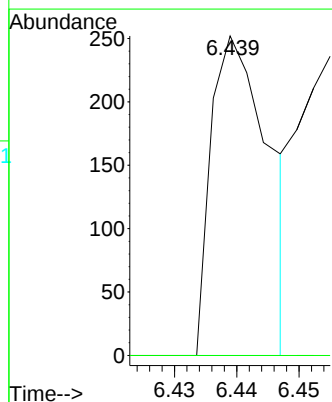
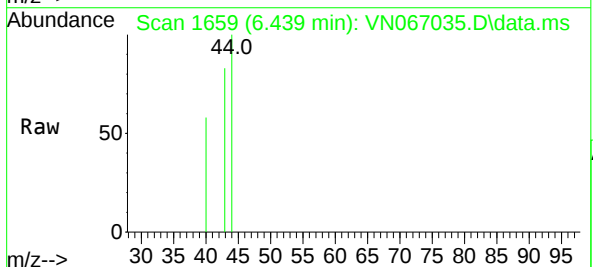
Instrument :
MSVOA_N
ClientSampled :

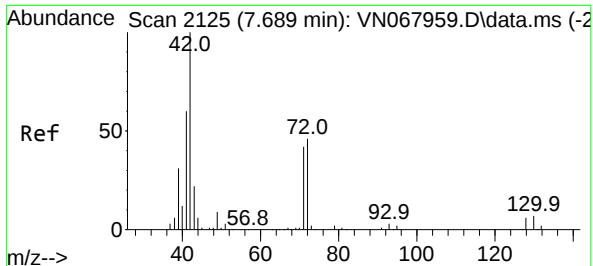
Tgt Ion: 43 Resp: 1294
Ion Ratio Lower Upper
43 100
74 4.0 17.4 26.0#



#23
Vinyl Acetate
Concen: 8.814 ug/l
RT: 6.439 min Scan# 1659
Delta R.T. 0.003 min
Lab File: VN067035.D
Acq: 9 Aug 2021 12:56

Tgt Ion: 43 Resp: 162
Ion Ratio Lower Upper
43 100
86 0.0 7.3 10.9#





#29

Tetrahydrofuran

Concen: 0.211 ug/l

RT: 7.702 min Scan# 2130

Delta R.T. 0.013 min

Lab File: VN067035.D

Acq: 9 Aug 2021 12:56

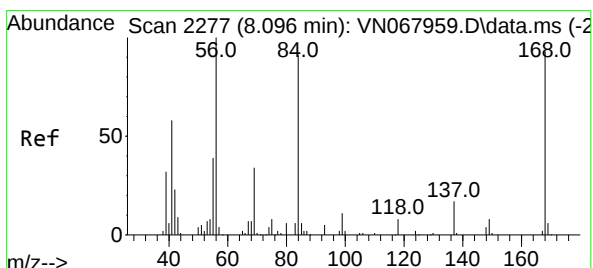
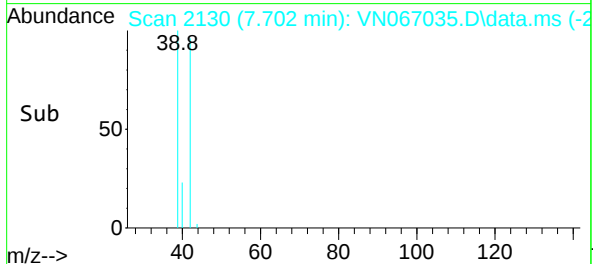
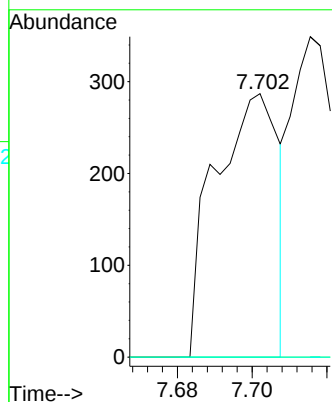
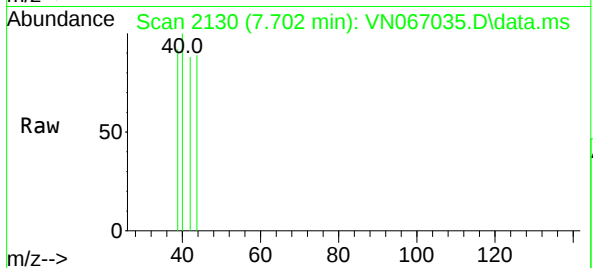
Tgt Ion: 42 Resp: 338

Ion Ratio Lower Upper

42 100

72 0.0 32.8 49.2#

71 0.0 31.2 46.8#



#31

Cyclohexane

Concen: 1.200 ug/l

RT: 8.088 min Scan# 2274

Delta R.T. -0.008 min

Lab File: VN067035.D

Acq: 9 Aug 2021 12:56

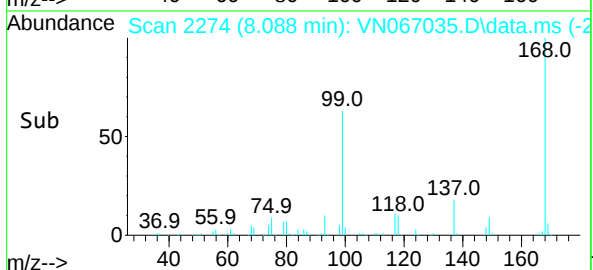
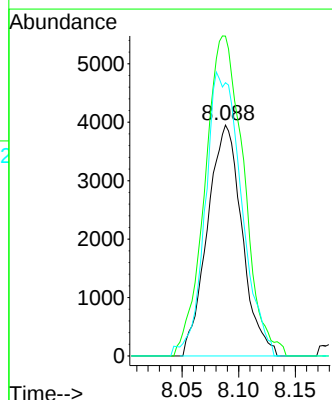
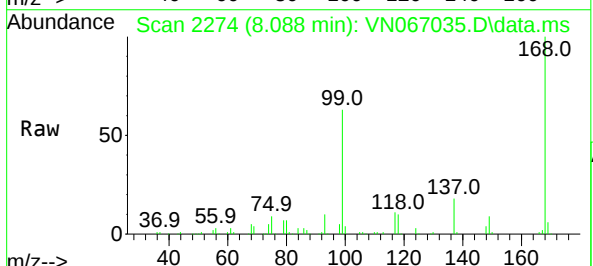
Tgt Ion: 56 Resp: 8377

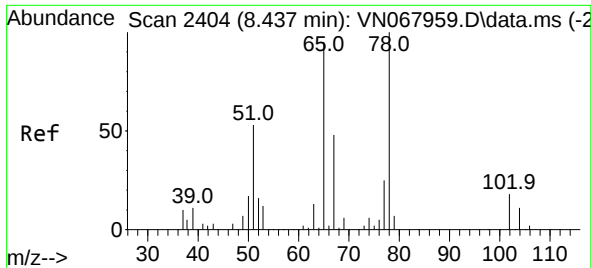
Ion Ratio Lower Upper

56 100

69 133.2 27.3 40.9#

84 118.3 64.9 97.3#

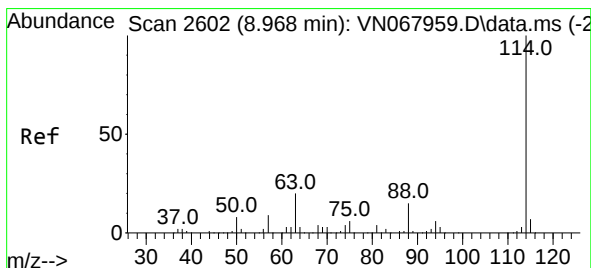
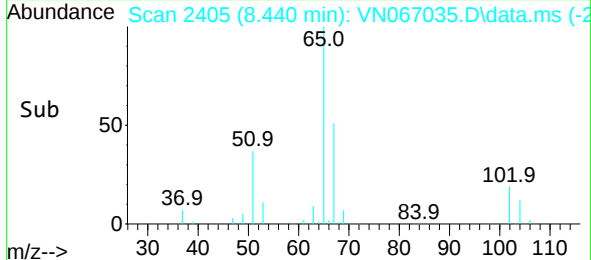
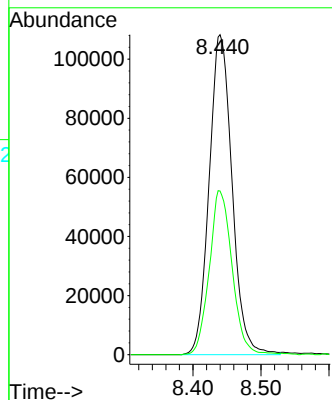
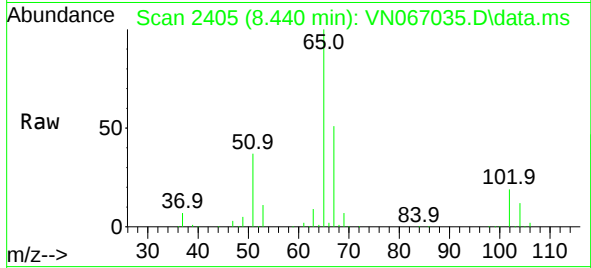




#33
 1,2-Dichloroethane-d4
 Concen: 53.617 ug/l
 RT: 8.440 min Scan# 2405
 Delta R.T. 0.003 min
 Lab File: VN067035.D
 Acq: 9 Aug 2021 12:56

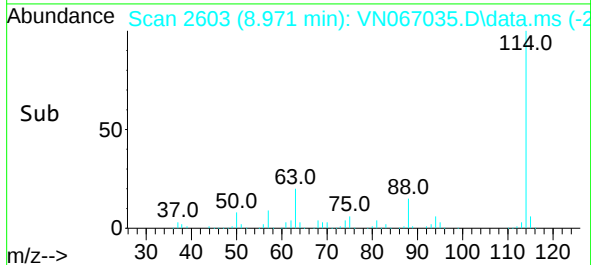
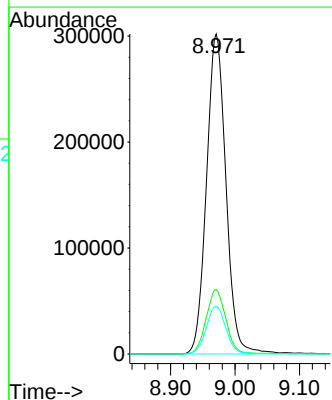
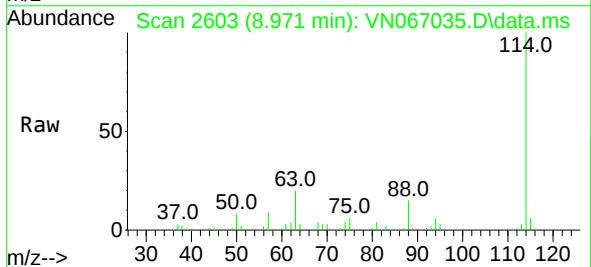
Instrument :
 MSVOA_N
 ClientSampled :

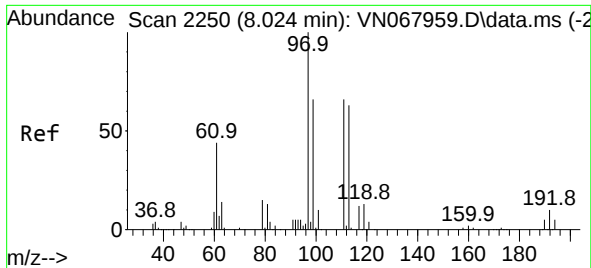
Tgt Ion: 65 Resp: 253746
 Ion Ratio Lower Upper
 65 100
 67 51.0 0.0 98.6



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.971 min Scan# 2603
 Delta R.T. 0.003 min
 Lab File: VN067035.D
 Acq: 9 Aug 2021 12:56

Tgt Ion: 114 Resp: 632264
 Ion Ratio Lower Upper
 114 100
 63 20.2 0.0 49.0
 88 14.8 0.0 36.6

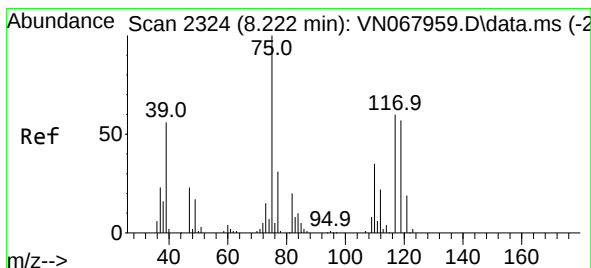
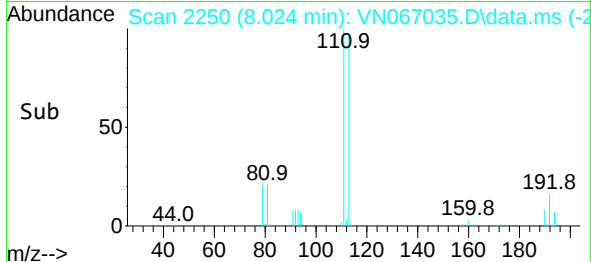
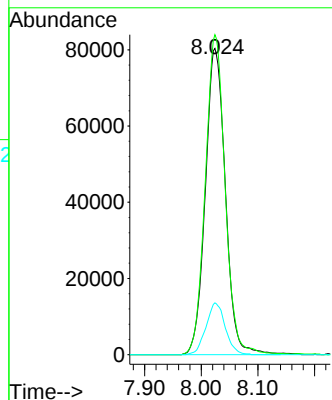
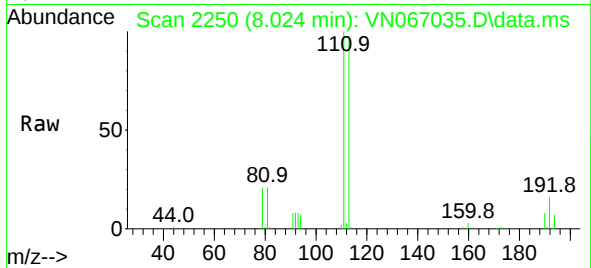




#35
Dibromofluoromethane
Concen: 53.695 ug/l
RT: 8.024 min Scan# 2250
Delta R.T. -0.000 min
Lab File: VN067035.D
Acq: 9 Aug 2021 12:56

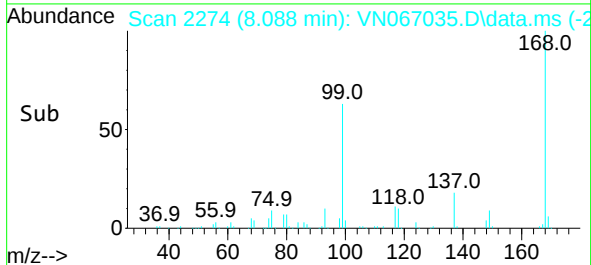
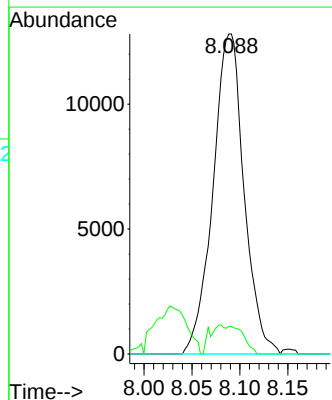
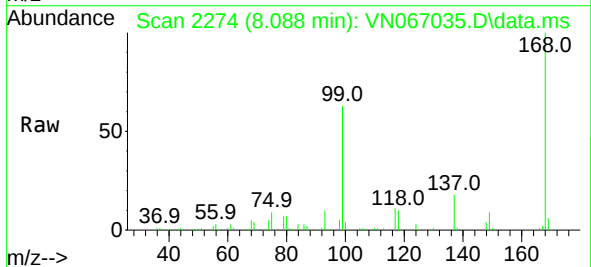
Instrument :
MSVOA_N
ClientSampleId :

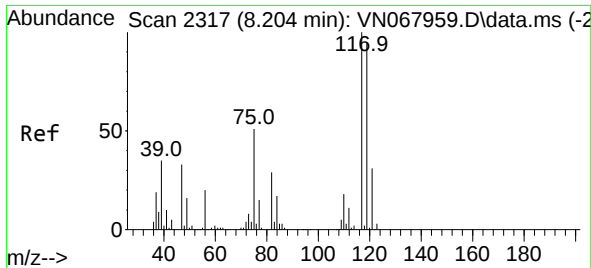
Tgt Ion:113 Resp: 197853
Ion Ratio Lower Upper
113 100
111 103.4 83.8 125.8
192 16.3 13.4 20.0



#36
1,1-Dichloropropene
Concen: 4.930 ug/l
RT: 8.088 min Scan# 2274
Delta R.T. -0.134 min
Lab File: VN067035.D
Acq: 9 Aug 2021 12:56

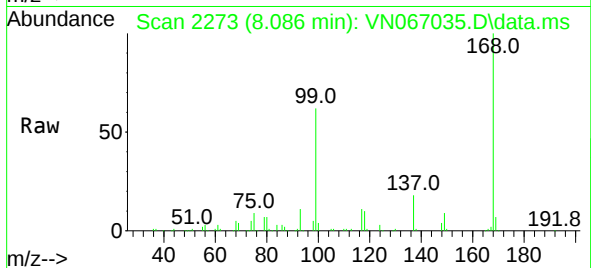
Tgt Ion: 75 Resp: 28835
Ion Ratio Lower Upper
75 100
110 4.8 15.7 47.0#
77 0.0 24.6 37.0#



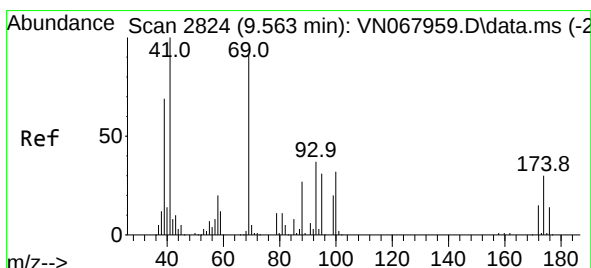
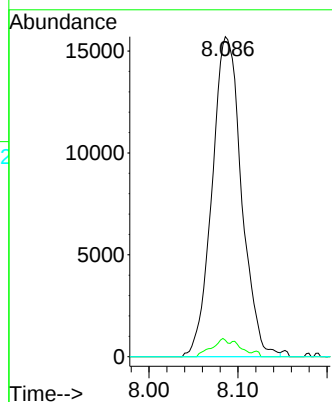
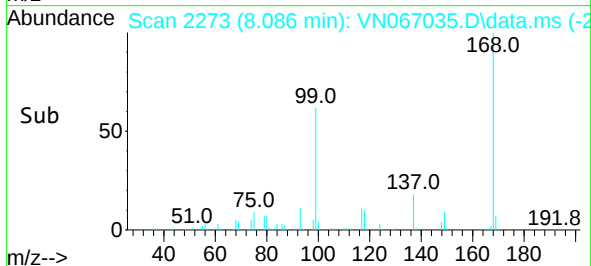


#38
Carbon Tetrachloride
Concen: 6.270 ug/l
RT: 8.086 min Scan# 2273
Delta R.T. -0.118 min
Lab File: VN067035.D
Acq: 9 Aug 2021 12:56

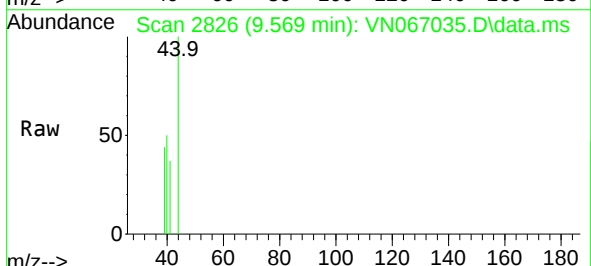
Instrument :
MSVOA_N
ClientSampleId :



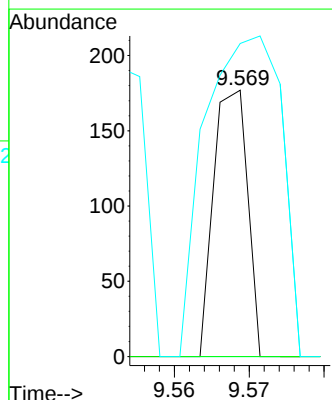
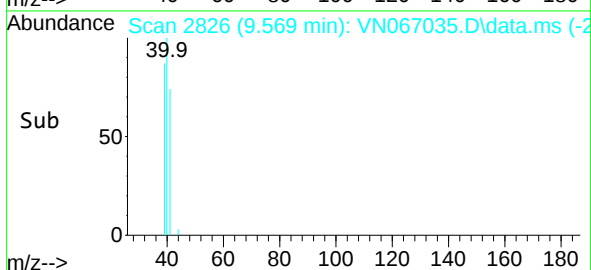
Tgt Ion:117 Resp: 36061
Ion Ratio Lower Upper
117 100
119 5.2 75.4 113.2#
121 0.0 23.5 35.3#

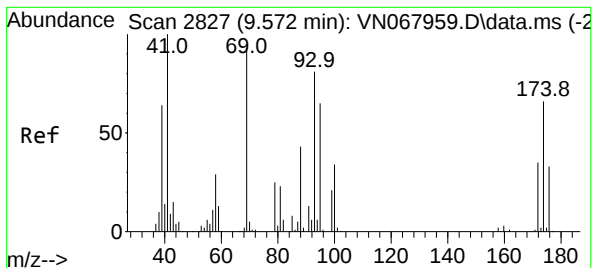


#48
Methyl methacrylate
Concen: 2.317 ug/l
RT: 9.569 min Scan# 2826
Delta R.T. 0.006 min
Lab File: VN067035.D
Acq: 9 Aug 2021 12:56



Tgt Ion: 41 Resp: 56
Ion Ratio Lower Upper
41 100
69 0.0 64.6 96.8#
39 269.6 53.3 79.9#





#49

1,4-Dioxane

Concen: 0.343 ug/l

RT: 9.577 min Scan# 2829

Delta R.T. 0.005 min

Lab File: VN067035.D

Acq: 9 Aug 2021 12:56

Tgt Ion: 88 Resp: 25

Ion Ratio Lower Upper

88 100

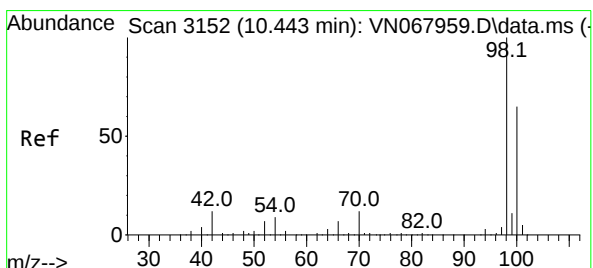
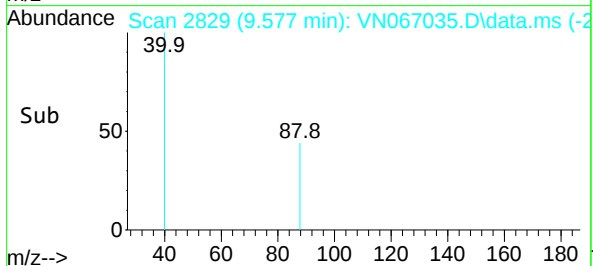
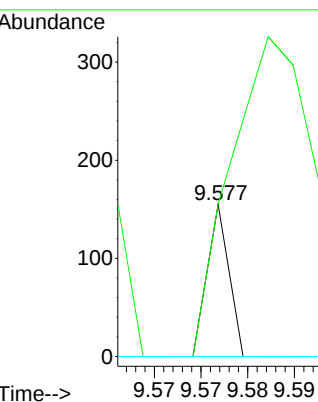
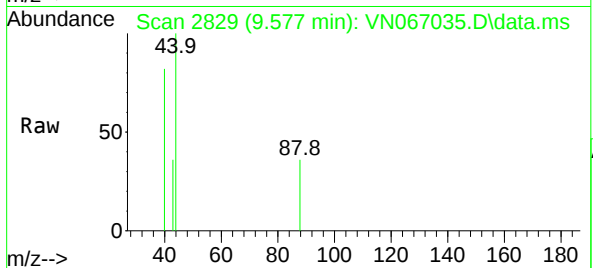
43 772.0 28.8 43.2#

58 0.0 60.4 90.6#

Instrument :

MSVOA_N

ClientSampleId :



#50

Toluene-d8

Concen: 47.497 ug/l

RT: 10.446 min Scan# 3153

Delta R.T. 0.003 min

Lab File: VN067035.D

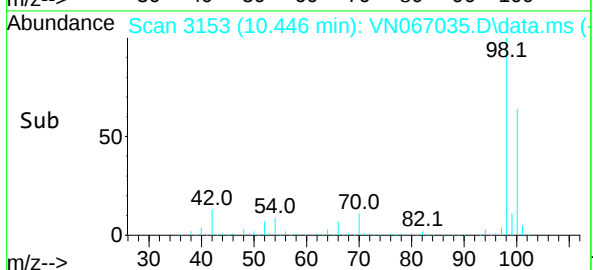
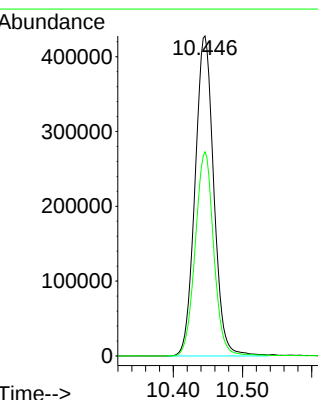
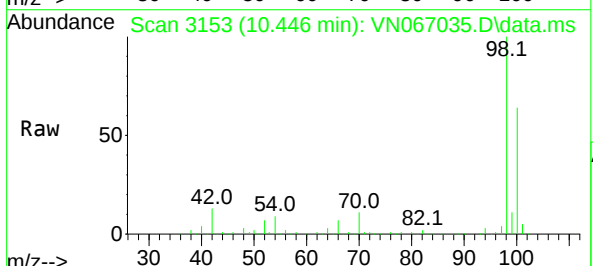
Acq: 9 Aug 2021 12:56

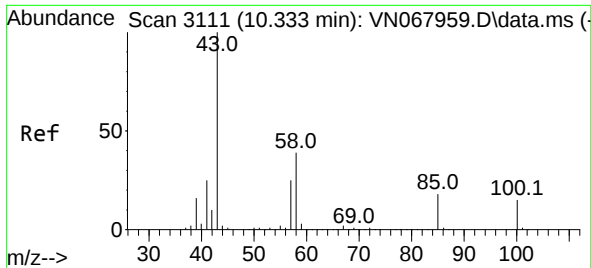
Tgt Ion: 98 Resp: 804136

Ion Ratio Lower Upper

98 100

100 63.1 51.7 77.5

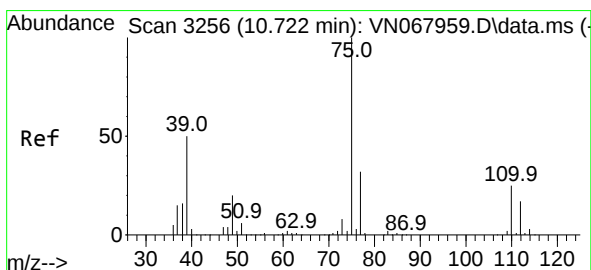
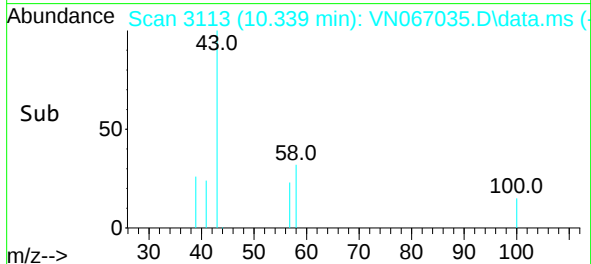
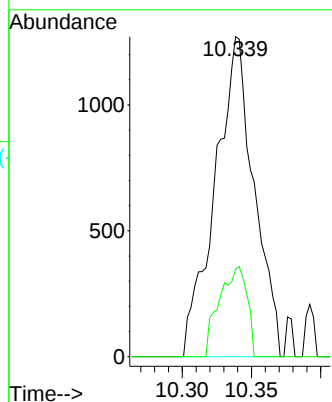
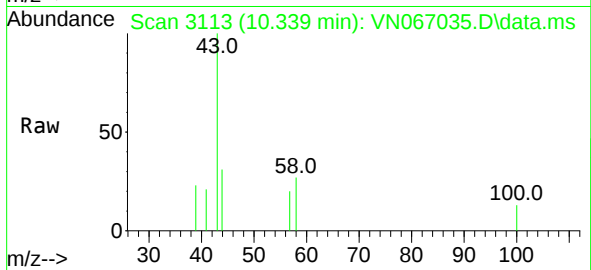




#51
4-Methyl-2-Pentanone
Concen: 12.921 ug/l
RT: 10.339 min Scan# 3113
Delta R.T. 0.005 min
Lab File: VN067035.D
Acq: 9 Aug 2021 12:56

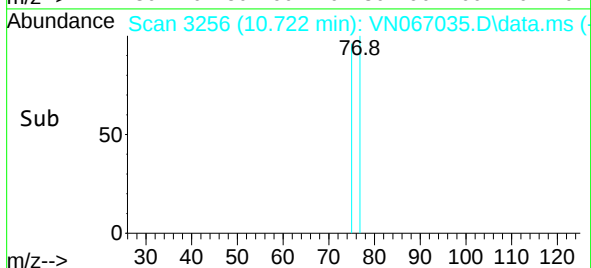
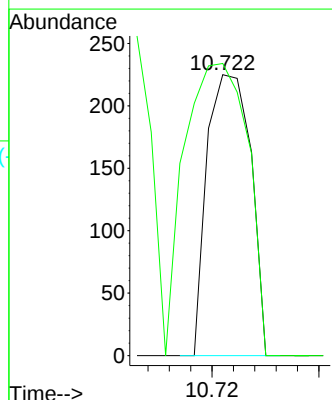
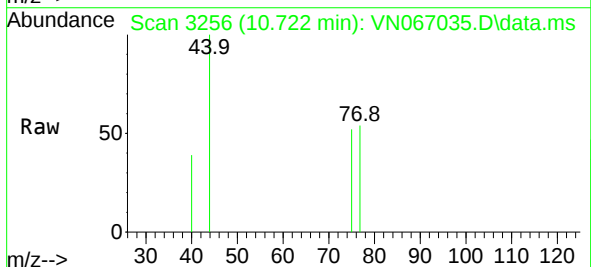
Instrument :
MSVOA_N
ClientSampled :

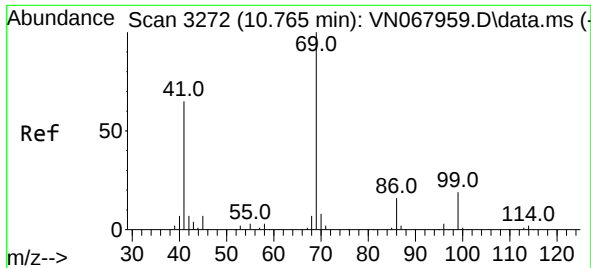
Tgt Ion: 43 Resp: 2492
Ion Ratio Lower Upper
43 100
58 19.9 28.6 43.0#



#53
t-1,3-Dichloropropene
Concen: 2.849 ug/l
RT: 10.722 min Scan# 3256
Delta R.T. 0.000 min
Lab File: VN067035.D
Acq: 9 Aug 2021 12:56

Tgt Ion: 75 Resp: 127
Ion Ratio Lower Upper
75 100
77 104.0 25.1 37.7#

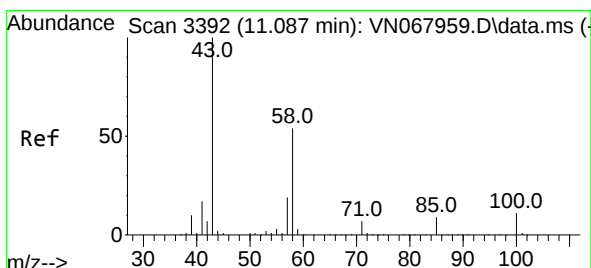
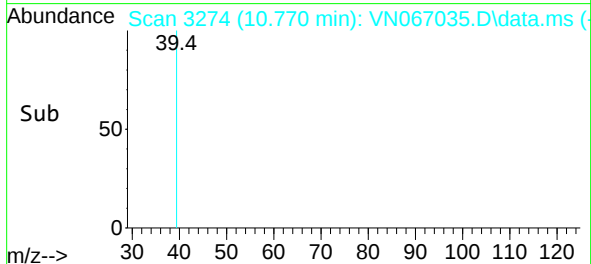
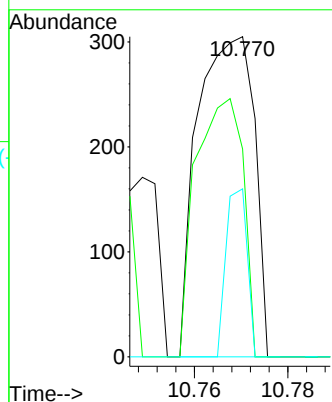
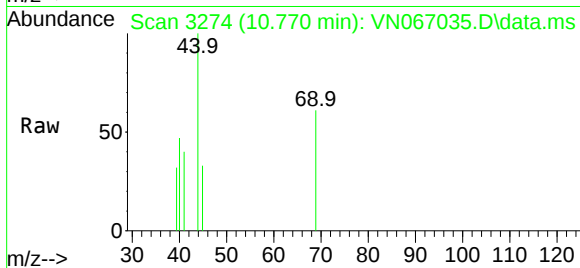




#56
Ethyl methacrylate
Concen: 3.129 ug/l
RT: 10.770 min Scan# 3274
Delta R.T. 0.005 min
Lab File: VN067035.D
Acq: 9 Aug 2021 12:56

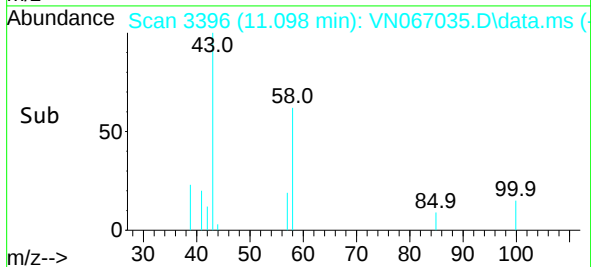
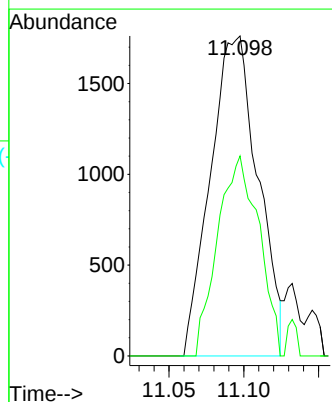
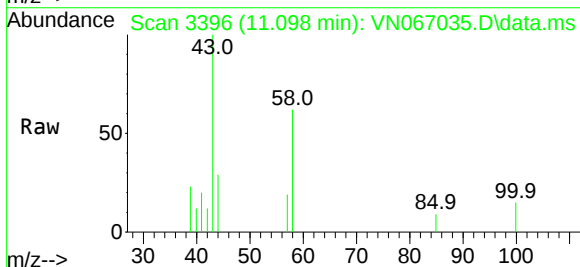
Instrument :
MSVOA_N
ClientSampleId :

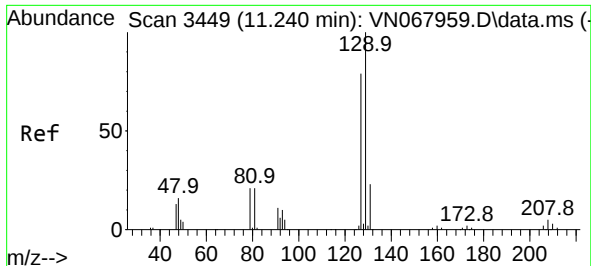
Tgt Ion: 69 Resp: 256
Ion Ratio Lower Upper
69 100
41 67.6 58.6 88.0
39 19.5 38.3 57.5#



#59
2-Hexanone
Concen: 14.063 ug/l
RT: 11.098 min Scan# 3396
Delta R.T. 0.011 min
Lab File: VN067035.D
Acq: 9 Aug 2021 12:56

Tgt Ion: 43 Resp: 3900
Ion Ratio Lower Upper
43 100
58 54.1 24.7 74.1

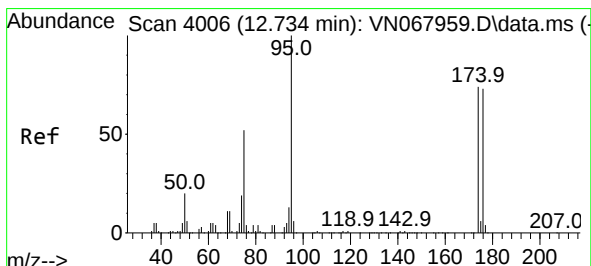
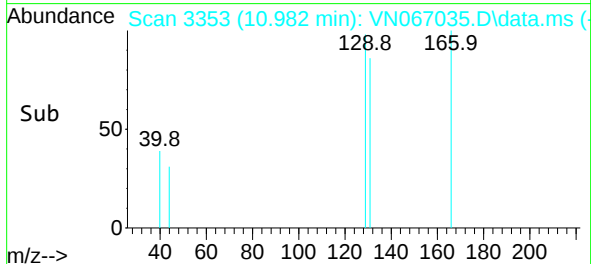
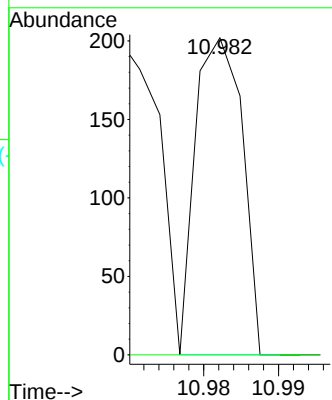
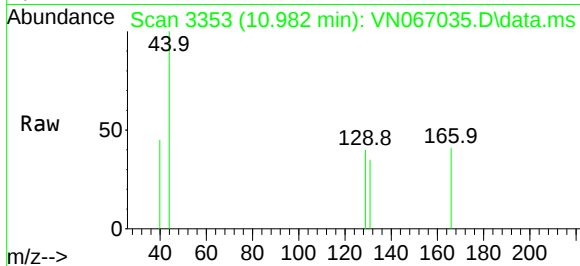




#60
Dibromochloromethane
Concen: 3.318 ug/l
RT: 10.982 min Scan# 3353
Delta R.T. -0.258 min
Lab File: VN067035.D
Acq: 9 Aug 2021 12:56

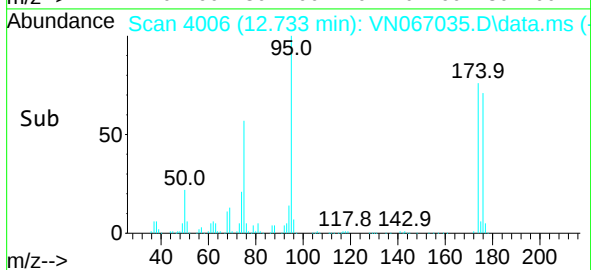
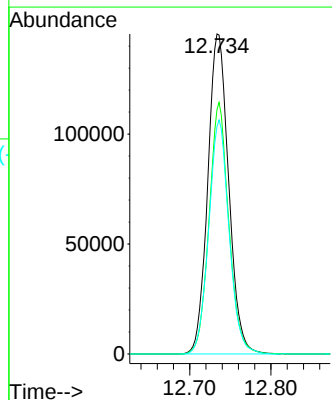
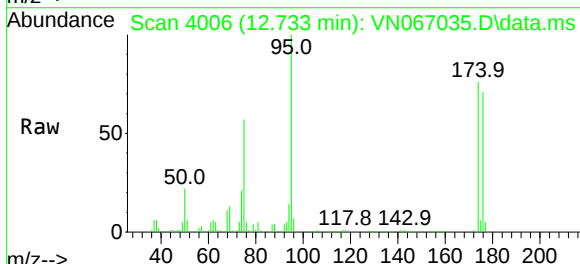
Instrument :
MSVOA_N
ClientSampleId :

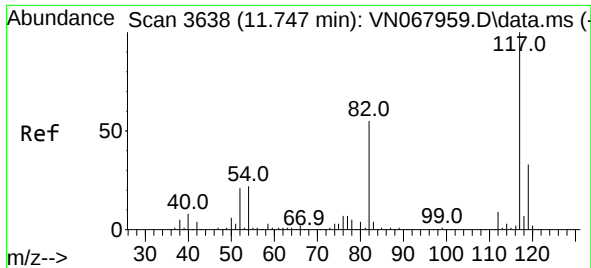
Tgt Ion:129 Resp: 88
Ion Ratio Lower Upper
129 100
127 0.0 38.6 115.8#



#62
4-Bromofluorobenzene
Concen: 42.542 ug/l
RT: 12.733 min Scan# 4006
Delta R.T. -0.001 min
Lab File: VN067035.D
Acq: 9 Aug 2021 12:56

Tgt Ion: 95 Resp: 259668
Ion Ratio Lower Upper
95 100
174 74.4 0.0 122.0
176 70.9 0.0 117.6

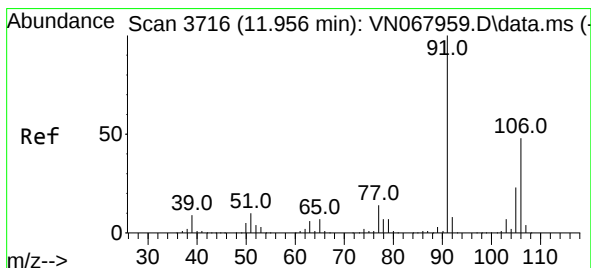
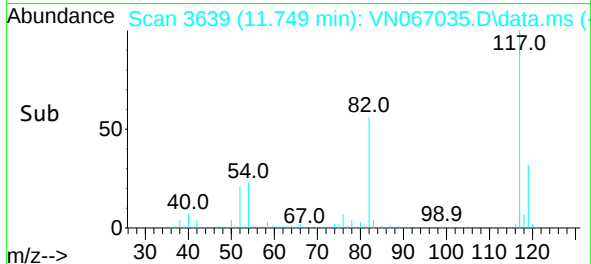
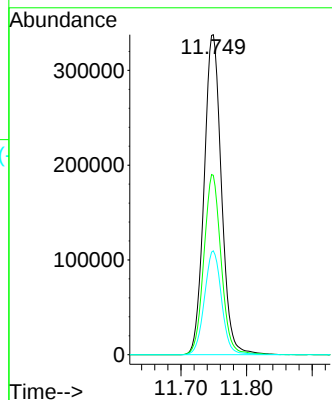
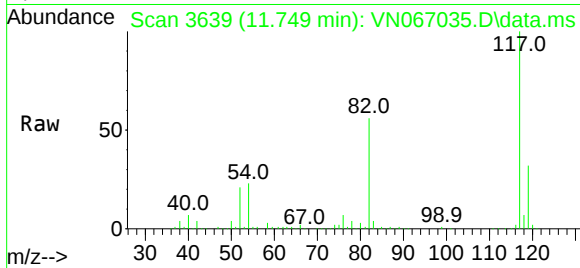




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.749 min Scan# 3639
Delta R.T. 0.002 min
Lab File: VN067035.D
Acq: 9 Aug 2021 12:56

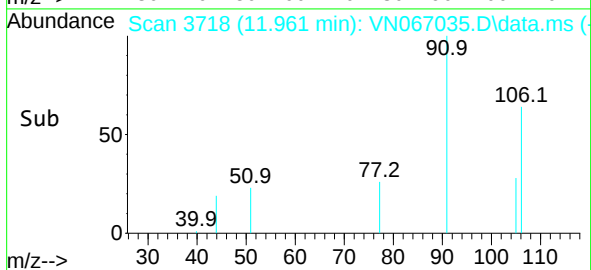
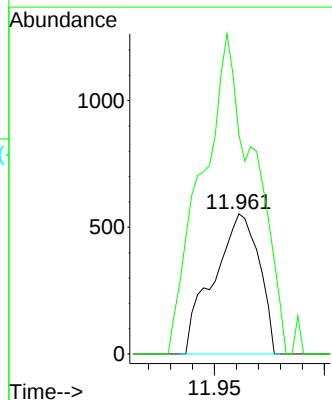
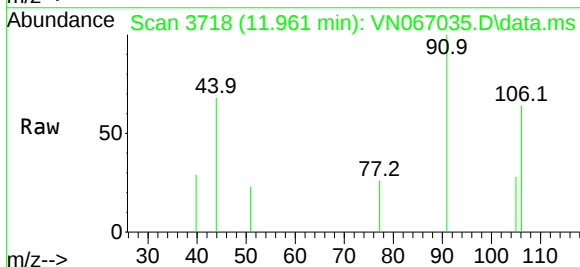
Instrument :
MSVOA_N
ClientSampled :

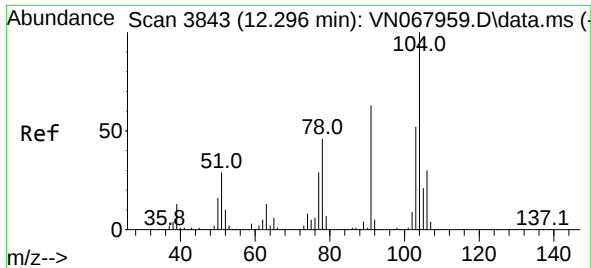
Tgt Ion:117 Resp: 618794
Ion Ratio Lower Upper
117 100
82 56.1 53.1 79.7
119 32.4 25.5 38.3



#68
m/p-Xylenes
Concen: 4.140 ug/l
RT: 11.961 min Scan# 3718
Delta R.T. 0.005 min
Lab File: VN067035.D
Acq: 9 Aug 2021 12:56

Tgt Ion:106 Resp: 797
Ion Ratio Lower Upper
106 100
91 263.2 180.6 270.8

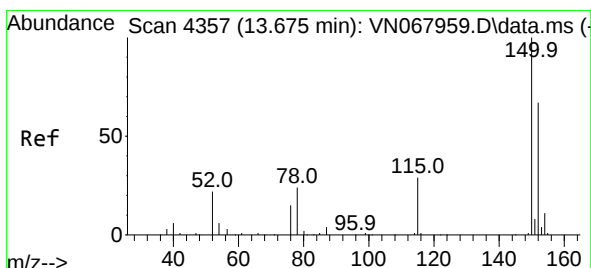
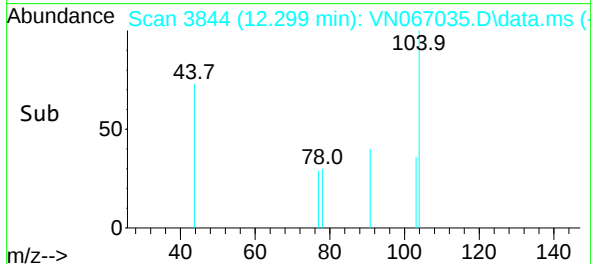
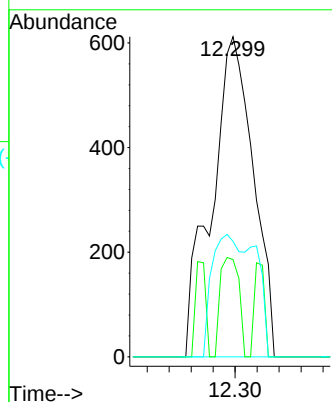
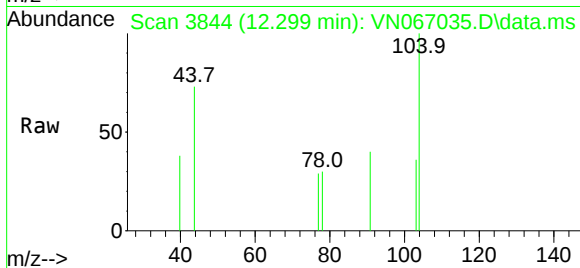




#70
Styrene
Concen: 2.679 ug/l
RT: 12.299 min Scan# 3844
Delta R.T. 0.003 min
Lab File: VN067035.D
Acq: 9 Aug 2021 12:56

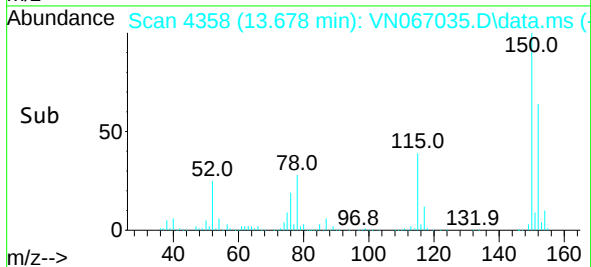
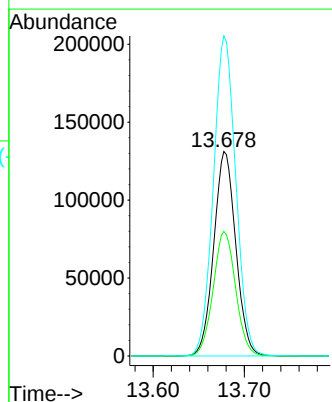
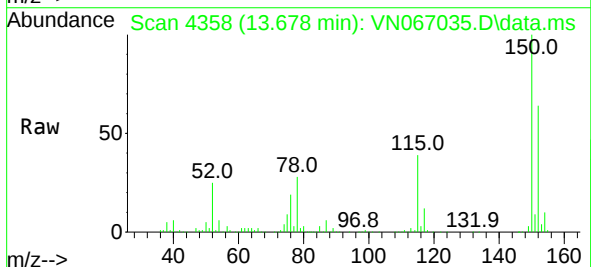
Instrument :
MSVOA_N
ClientSampled :

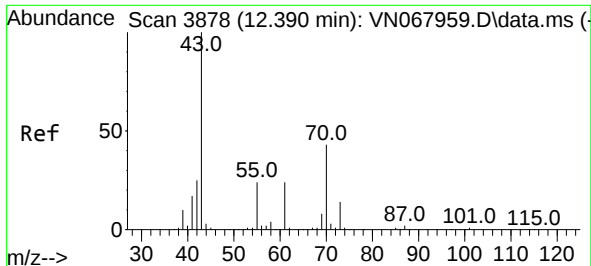
Tgt Ion:104 Resp: 808
Ion Ratio Lower Upper
104 100
78 13.9 48.2 72.2#
103 40.1 44.5 66.7#



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.678 min Scan# 4358
Delta R.T. 0.003 min
Lab File: VN067035.D
Acq: 9 Aug 2021 12:56

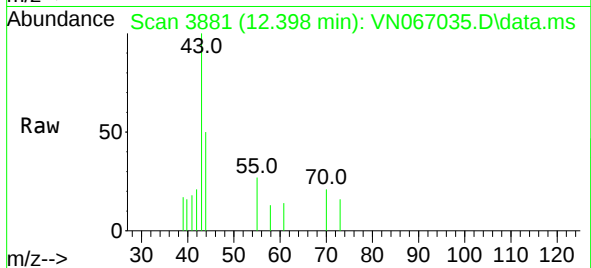
Tgt Ion:152 Resp: 220465
Ion Ratio Lower Upper
152 100
115 62.0 36.1 108.5
150 159.1 0.0 351.8



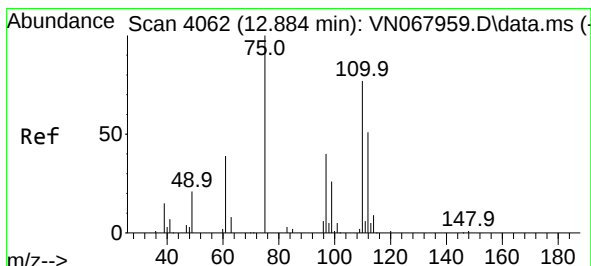
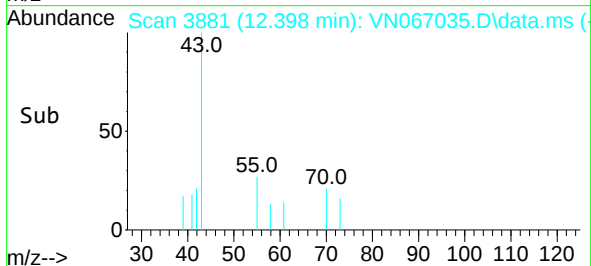
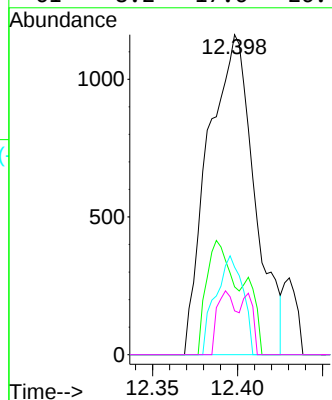


#74
N-amy1 acetate
Concen: 0.353 ug/l
RT: 12.398 min Scan# 3881
Delta R.T. 0.008 min
Lab File: VN067035.D
Acq: 9 Aug 2021 12:56

Instrument :
MSVOA_N
ClientSampled :

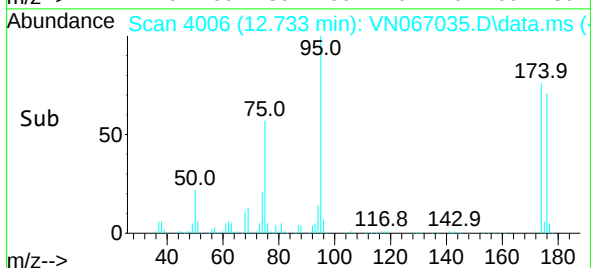
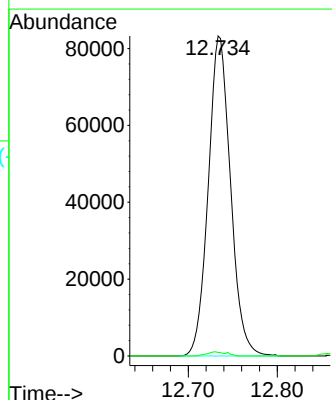
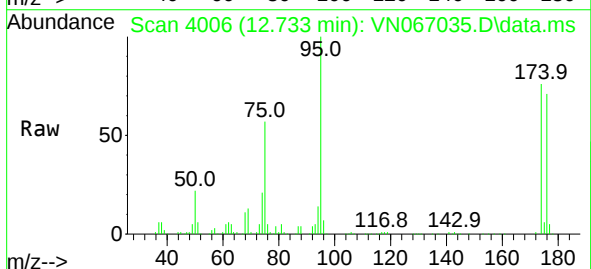


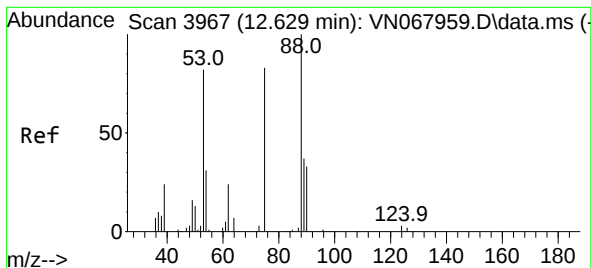
Tgt Ion: 43 Resp: 2204
Ion Ratio Lower Upper
43 100
70 20.2 29.4 44.2#
55 18.1 17.0 25.4
61 8.2 17.6 26.4#



#76
1,2,3-Trichloropropane
Concen: 32.638 ug/l
RT: 12.733 min Scan# 4006
Delta R.T. -0.151 min
Lab File: VN067035.D
Acq: 9 Aug 2021 12:56

Tgt Ion: 75 Resp: 144507
Ion Ratio Lower Upper
75 100
77 1.1 0.0 0.0#

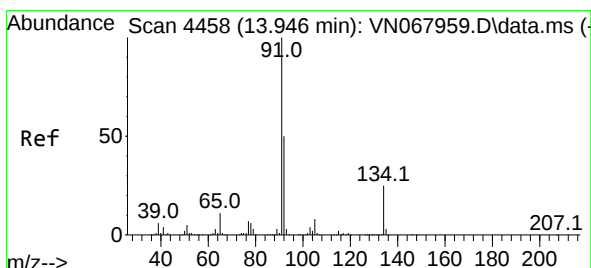
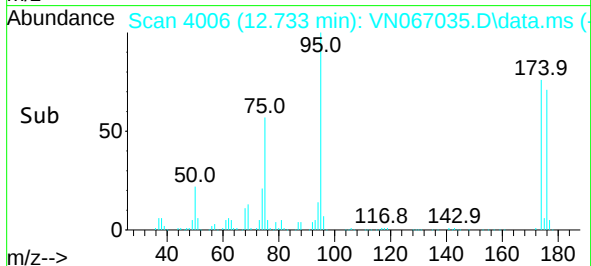
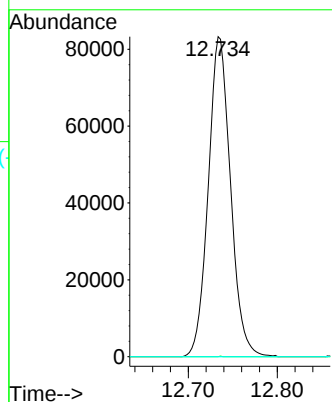
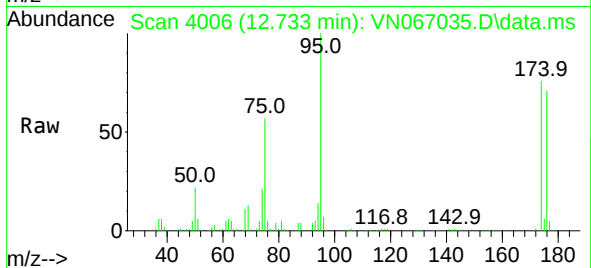




#81
trans-1,4-Dichloro-2-butene
Concen: 87.634 ug/l
RT: 12.733 min Scan# 4006
Delta R.T. 0.104 min
Lab File: VN067035.D
Acq: 9 Aug 2021 12:56

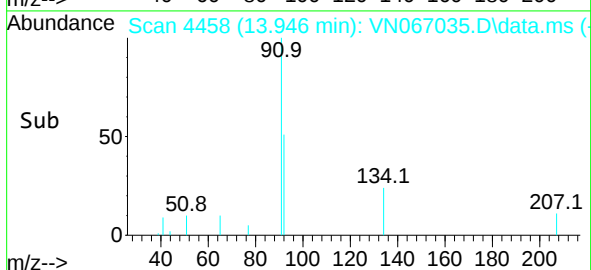
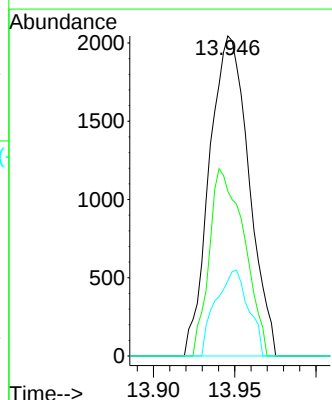
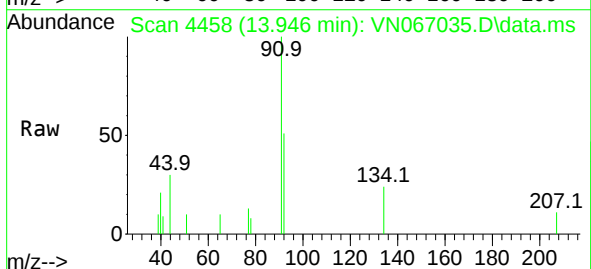
Instrument :
MSVOA_N
ClientSampled :

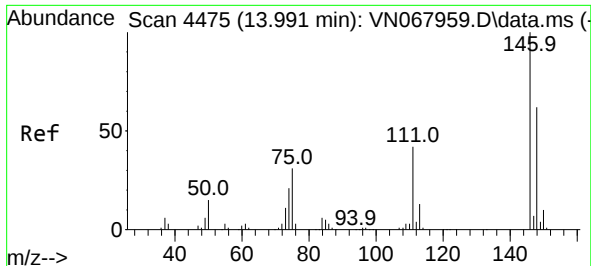
Tgt Ion: 75 Resp: 144507
Ion Ratio Lower Upper
75 100
53 0.0 87.6 131.4#
89 0.0 37.8 56.8#



#89
n-Butylbenzene
Concen: 0.298 ug/l
RT: 13.946 min Scan# 4458
Delta R.T. -0.000 min
Lab File: VN067035.D
Acq: 9 Aug 2021 12:56

Tgt Ion: 91 Resp: 3447
Ion Ratio Lower Upper
91 100
92 51.8 25.7 77.1
134 22.2 11.2 33.6

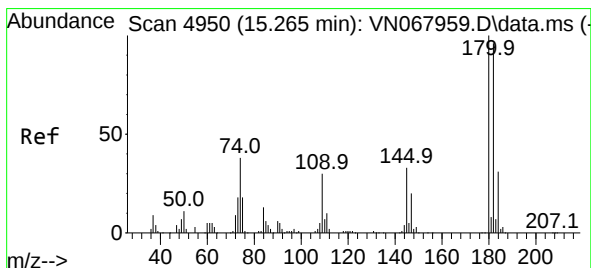
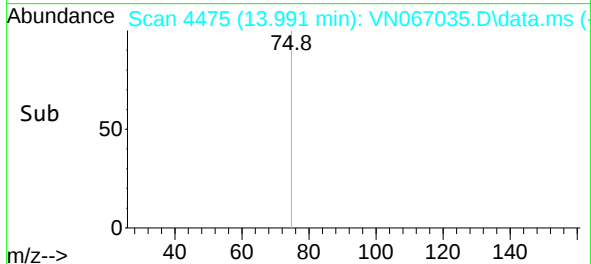
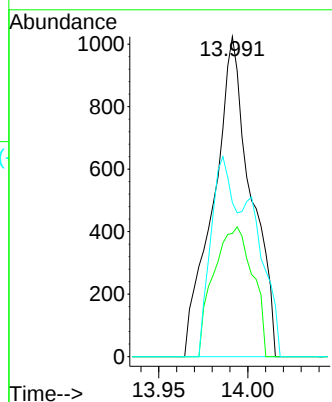
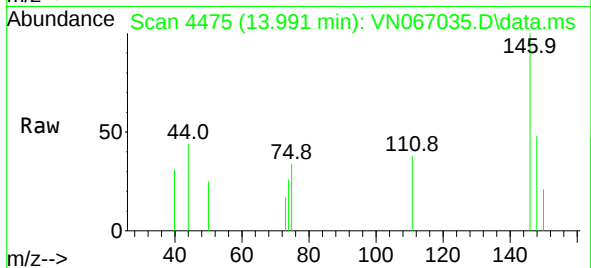




#91
1,2-Dichlorobenzene
Concen: 0.210 ug/l
RT: 13.991 min Scan# 4475
Delta R.T. 0.000 min
Lab File: VN067035.D
Acq: 9 Aug 2021 12:56

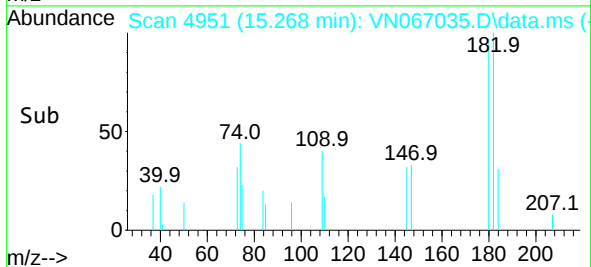
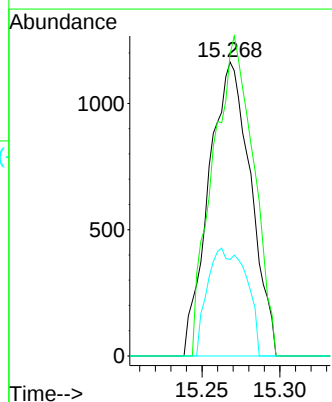
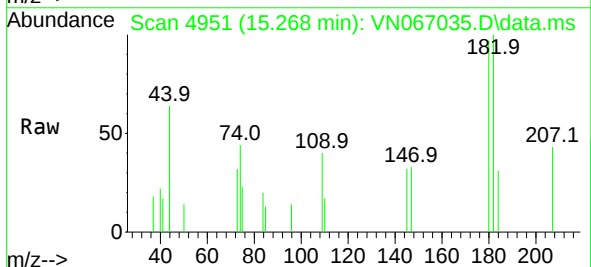
Instrument :
MSVOA_N
ClientSampled :

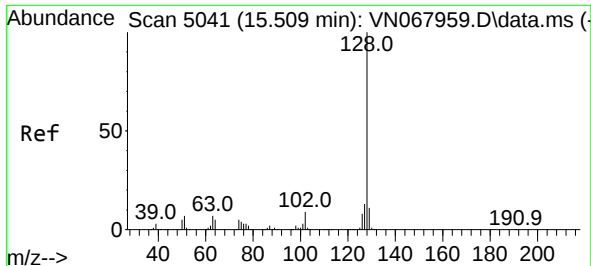
Tgt Ion:146 Resp: 1497
Ion Ratio Lower Upper
146 100
111 42.2 24.9 74.6
148 39.9 31.6 95.0



#93
1,2,4-Trichlorobenzene
Concen: 3.111 ug/l
RT: 15.268 min Scan# 4951
Delta R.T. 0.003 min
Lab File: VN067035.D
Acq: 9 Aug 2021 12:56

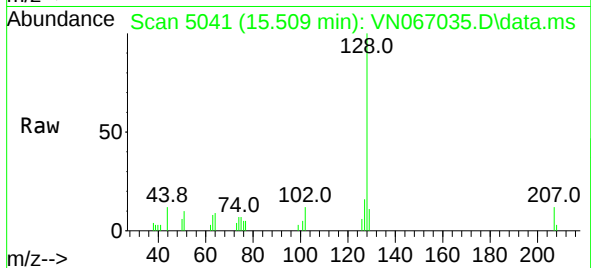
Tgt Ion:180 Resp: 2171
Ion Ratio Lower Upper
180 100
182 105.8 47.5 142.5
145 33.9 17.2 51.6



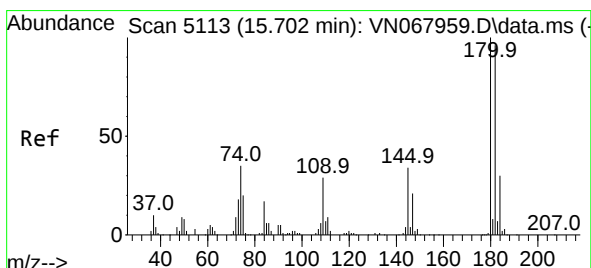
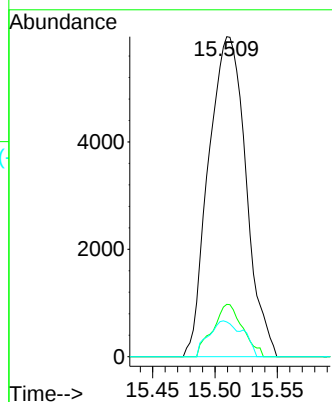
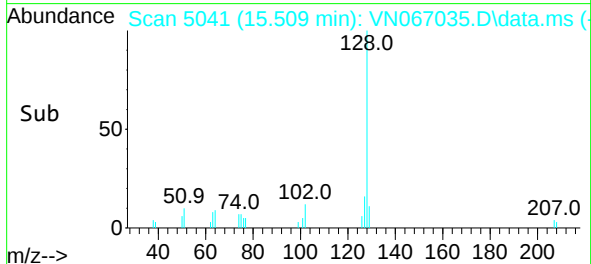


#95
Naphthalene
Concen: 4.385 ug/l
RT: 15.509 min Scan# 5041
Delta R.T. 0.000 min
Lab File: VN067035.D
Acq: 9 Aug 2021 12:56

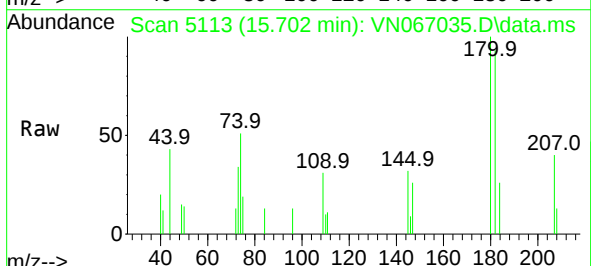
Instrument :
MSVOA_N
ClientSampleId :



Tgt Ion:128 Resp: 12404
Ion Ratio Lower Upper
128 100
127 13.1 10.6 15.8
129 10.2 8.6 12.8



#96
1,2,3-Trichlorobenzene
Concen: 3.289 ug/l
RT: 15.702 min Scan# 5113
Delta R.T. 0.000 min
Lab File: VN067035.D
Acq: 9 Aug 2021 12:56



Tgt Ion:180 Resp: 2932
Ion Ratio Lower Upper
180 100
182 99.5 47.8 143.3
145 27.3 18.2 54.6

