

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN070821\
 Data File : VN067655.D
 Acq On : 8 Jul 2021 11:30
 Operator : JC/MD
 Sample : VN0708WBL01
 Misc : 5.00mL/MSVOA_N/WATER
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :

Quant Time: Jul 09 03:52:38 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)

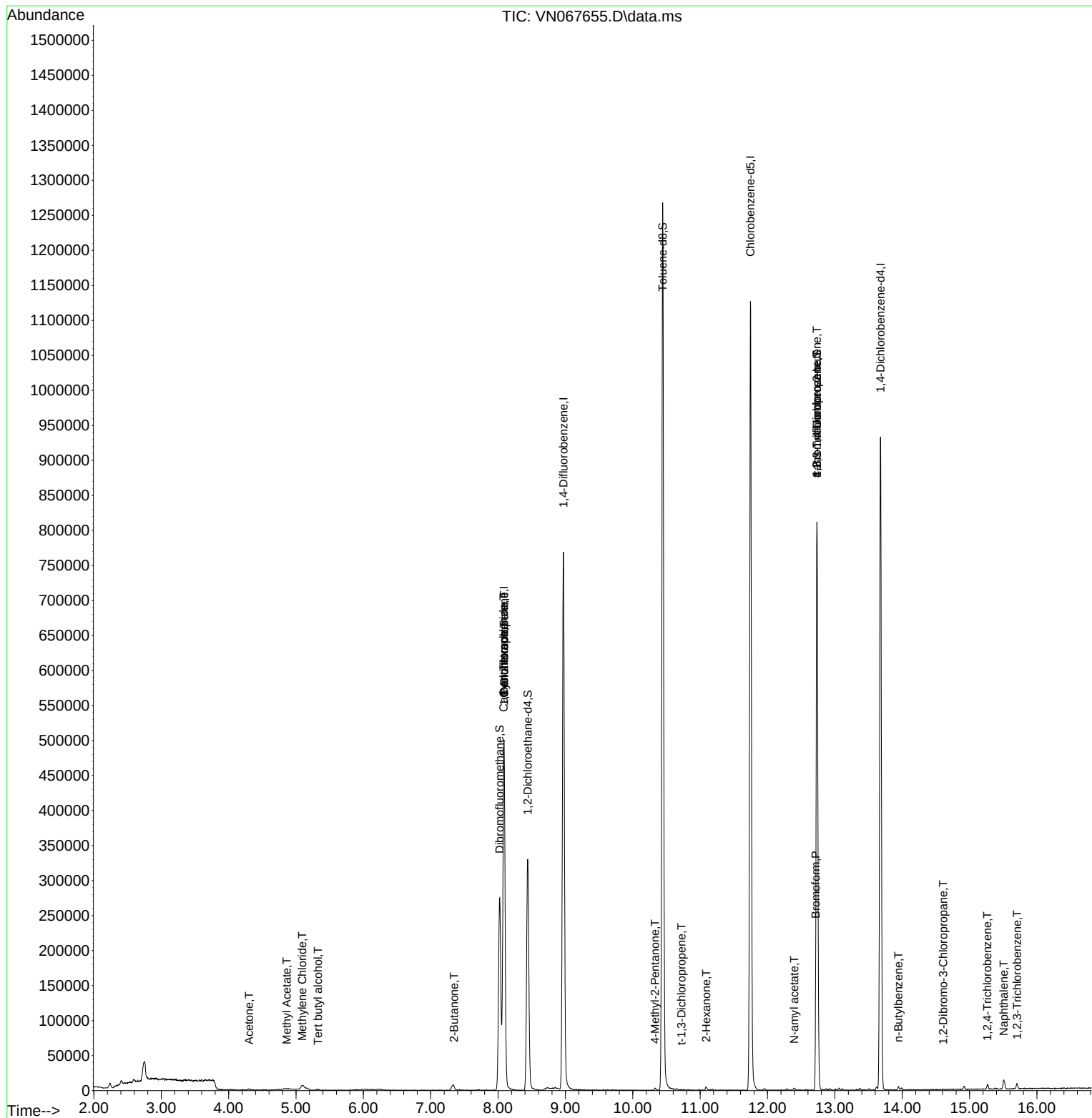
Internal Standards						
1) Pentafluorobenzene	8.088	168	353626	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.971	114	667382	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.746	117	634823	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.678	152	239504	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.440	65	282084	52.781	ug/l	0.00
Spiked Amount 50.000	Range 61 - 141		Recovery = 105.560%			
35) Dibromofluoromethane	8.024	113	198849	49.316	ug/l	0.00
Spiked Amount 50.000	Range 69 - 133		Recovery = 98.640%			
50) Toluene-d8	10.443	98	872812	51.714	ug/l	0.00
Spiked Amount 50.000	Range 65 - 126		Recovery = 103.420%			
62) 4-Bromofluorobenzene	12.733	95	283873	47.613	ug/l	0.00
Spiked Amount 50.000	Range 58 - 135		Recovery = 95.220%			
Target Compounds						
5) Bromomethane	2.877	94	1675	Below Cal		98
6) Chloroethane	3.060	64	27	Below Cal	#	44
7) Trichlorofluoromethane	3.371	101	91	Below Cal	#	18
11) Tert butyl alcohol	5.329	59	719	0.936	ug/l #	71
13) Acrolein	4.044	56	160	Below Cal		94
16) Acetone	4.301	43	2876	1.710	ug/l	92
18) Methyl Acetate	4.865	43	1102	0.233	ug/l #	64
20) Methylene Chloride	5.093	84	3511	0.201	ug/l #	64
25) 2-Butanone	7.348	43	630	0.226	ug/l #	51
31) Cyclohexane	8.086	56	10446	1.394	ug/l #	17
36) 1,1-Dichloropropene	8.091	75	32722	5.278	ug/l #	52
38) Carbon Tetrachloride	8.083	117	40530	6.628	ug/l #	16
51) 4-Methyl-2-Pentanone	10.330	43	2311	0.356	ug/l #	83
53) t-1,3-Dichloropropene	10.722	75	168	1.765	ug/l #	43
59) 2-Hexanone	11.089	43	3483	0.769	ug/l	98
71) Bromoform	12.715	173	146	3.209	ug/l #	1
74) N-amyl acetate	12.398	43	1869	0.267	ug/l #	77
76) 1,2,3-Trichloropropane	12.733	75	161366	32.992	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.733	75	161366	106.369	ug/l #	6
89) n-Butylbenzene	13.943	91	3464	0.271	ug/l	90
92) 1,2-Dibromo-3-Chloropr...	14.608	75	210	0.216	ug/l #	16
93) 1,2,4-Trichlorobenzene	15.265	180	1877	3.120	ug/l	77
95) Naphthalene	15.507	128	12112	3.983	ug/l	99
96) 1,2,3-Trichlorobenzene	15.705	180	2612	3.279	ug/l	99

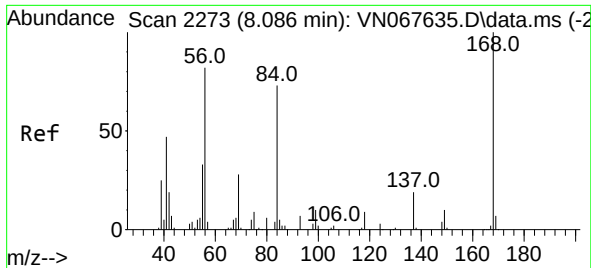
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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MSVOA_N
ClientSampled :

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Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N070721W.M
Quant Title : SW846 8260
QLast Update : Wed Jul 07 16:18:53 2021
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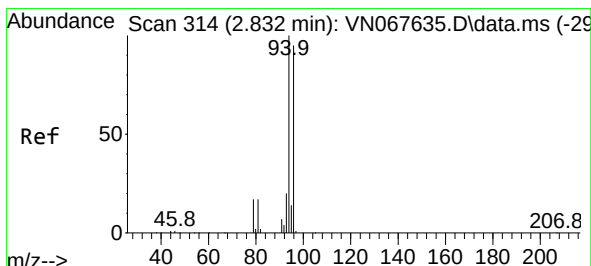
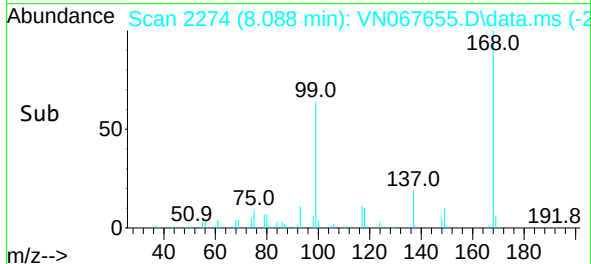
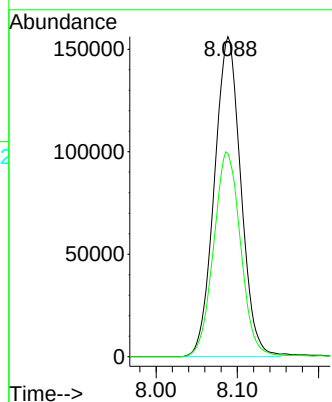
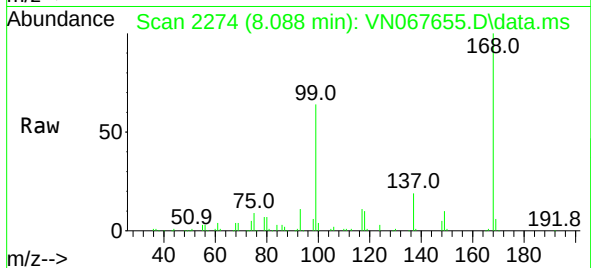




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.088 min Scan# 2274
Delta R.T. 0.002 min
Lab File: VN067655.D
Acq: 8 Jul 2021 11:30

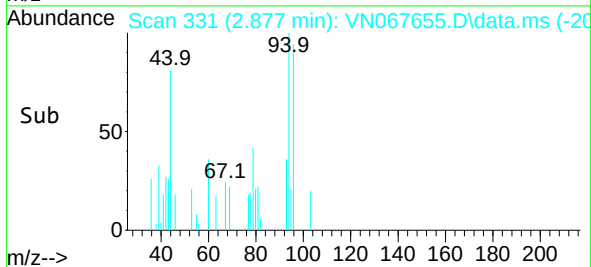
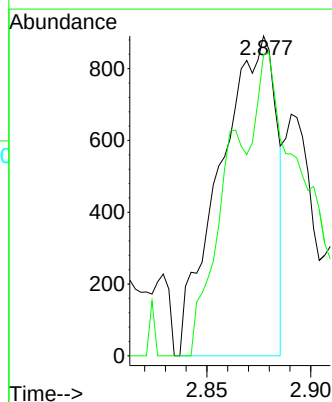
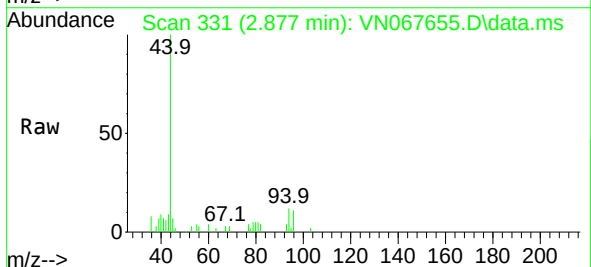
Instrument :
MSVOA_N
ClientSampleId :

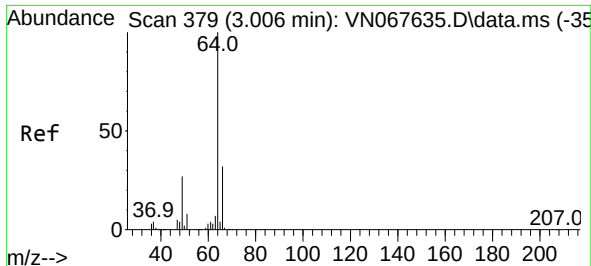
Tgt Ion:168 Resp: 353626
Ion Ratio Lower Upper
168 100
99 63.5 62.9 94.3



#5
Bromomethane
Concen: Below Cal
RT: 2.877 min Scan# 331
Delta R.T. 0.045 min
Lab File: VN067655.D
Acq: 8 Jul 2021 11:30

Tgt Ion: 94 Resp: 1675
Ion Ratio Lower Upper
94 100
96 94.2 73.7 110.5

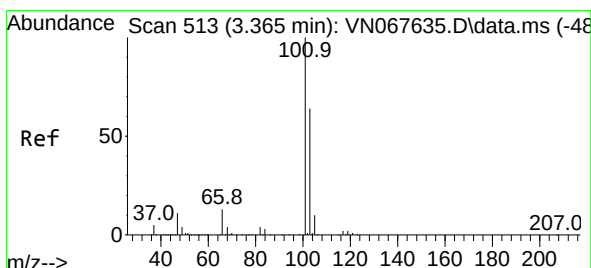
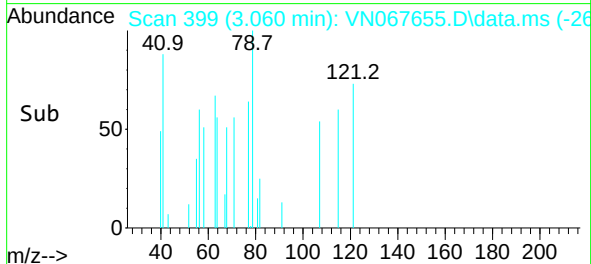
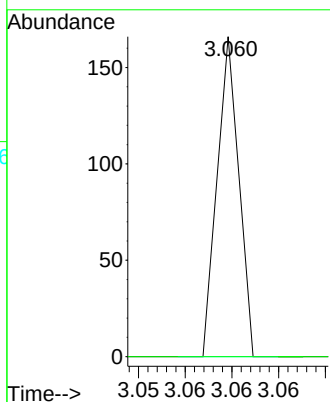
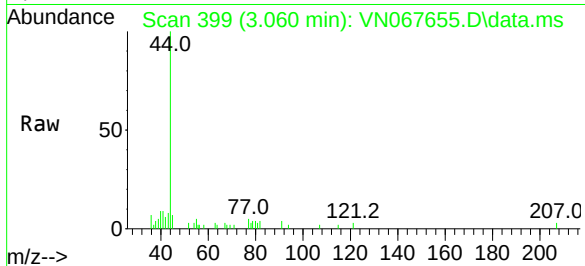




#6
Chloroethane
Concen: Below Cal
RT: 3.060 min Scan# 399
Delta R.T. 0.054 min
Lab File: VN067655.D
Acq: 8 Jul 2021 11:30

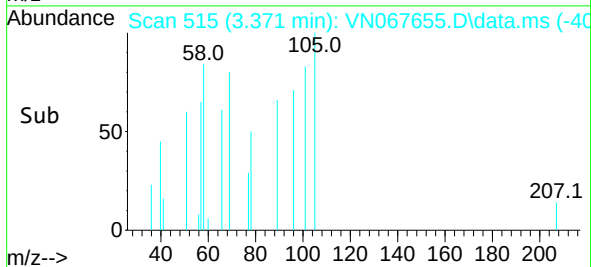
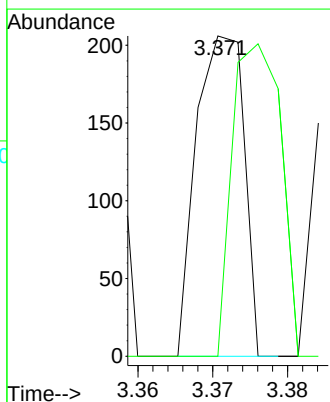
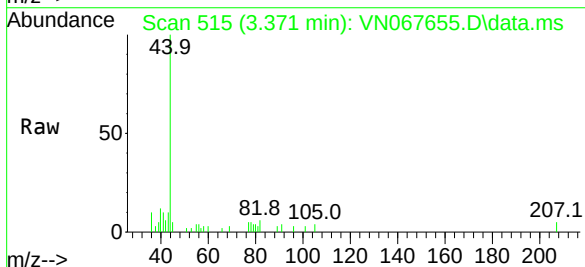
Instrument :
MSVOA_N
ClientSampleId :

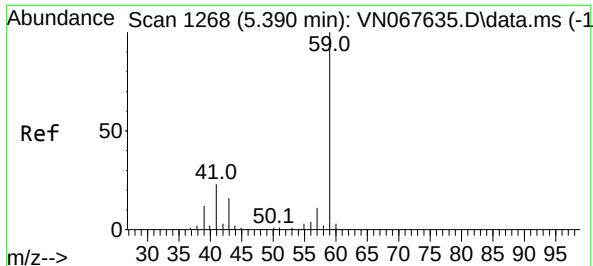
Tgt Ion: 64 Resp: 27
Ion Ratio Lower Upper
64 100
66 0.0 24.7 37.1#



#7
Trichlorofluoromethane
Concen: Below Cal
RT: 3.371 min Scan# 515
Delta R.T. 0.006 min
Lab File: VN067655.D
Acq: 8 Jul 2021 11:30

Tgt Ion: 101 Resp: 91
Ion Ratio Lower Upper
101 100
103 0.0 51.2 76.8#



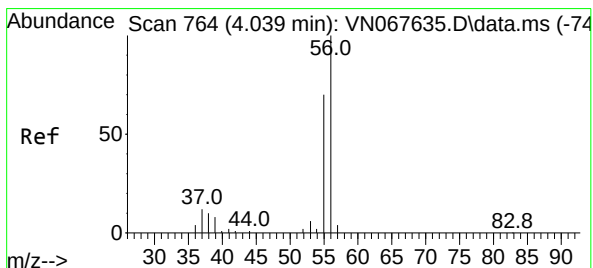
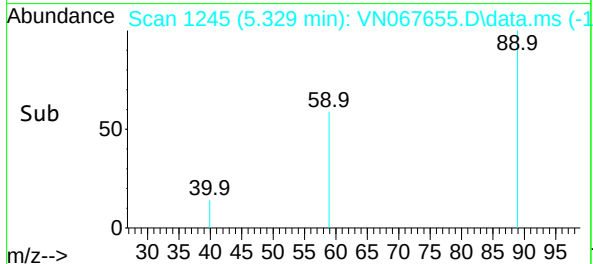
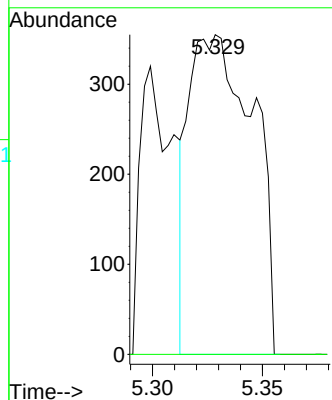
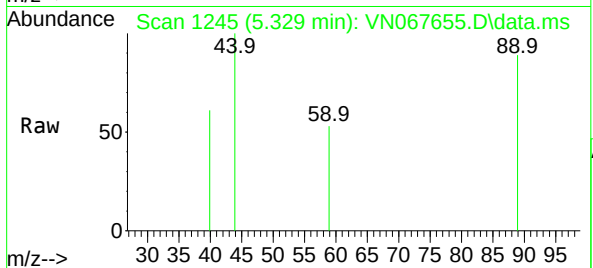


#11

Tert butyl alcohol
Concen: 0.936 ug/l
RT: 5.329 min Scan# 1245
Delta R.T. -0.061 min
Lab File: VN067655.D
Acq: 8 Jul 2021 11:30

Instrument :
MSVOA_N
ClientSampleId :

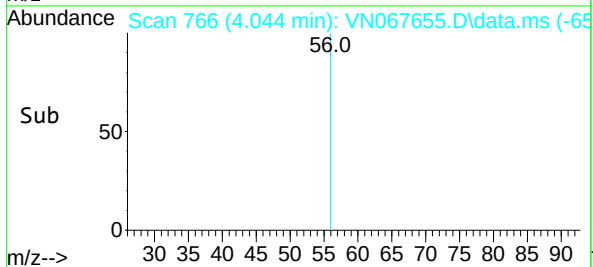
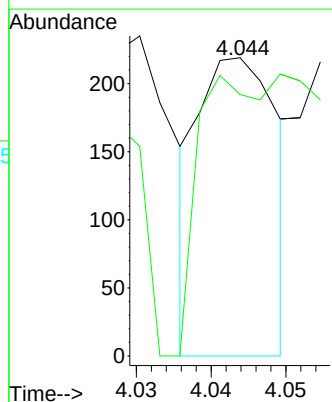
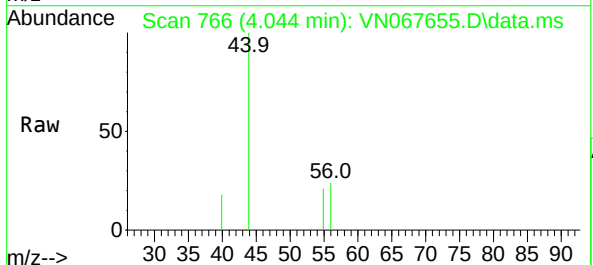
Tgt Ion: 59 Resp: 719
Ion Ratio Lower Upper
59 100
57 0.0 8.7 13.1#

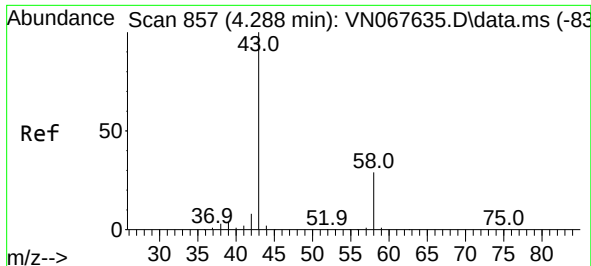


#13

Acrolein
Concen: Below Cal
RT: 4.044 min Scan# 766
Delta R.T. 0.005 min
Lab File: VN067655.D
Acq: 8 Jul 2021 11:30

Tgt Ion: 56 Resp: 160
Ion Ratio Lower Upper
56 100
55 76.9 57.4 86.0

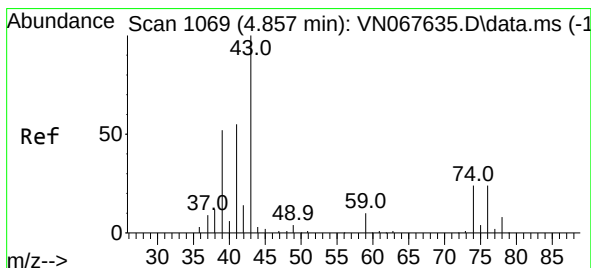
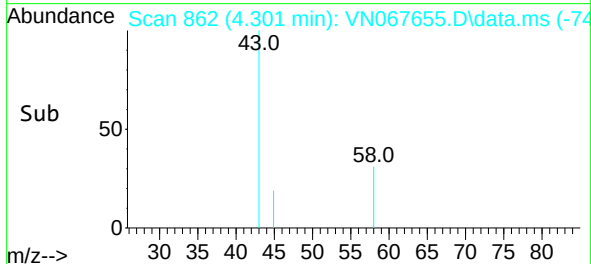
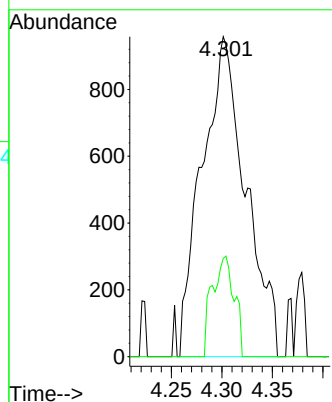
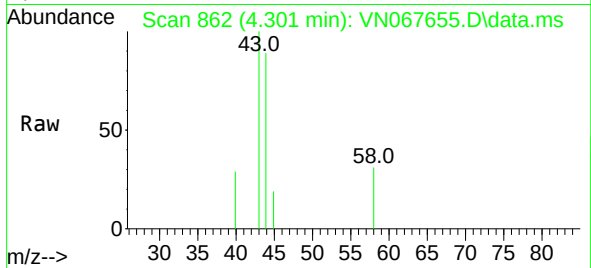




#16
Acetone
Concen: 1.710 ug/l
RT: 4.301 min Scan# 862
Delta R.T. 0.013 min
Lab File: VN067655.D
Acq: 8 Jul 2021 11:30

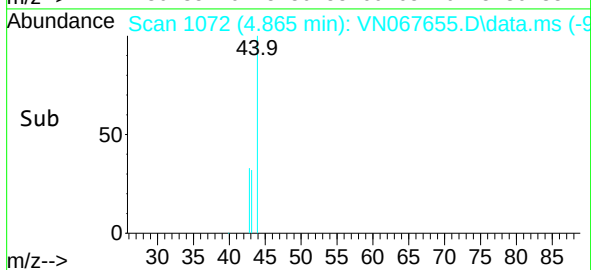
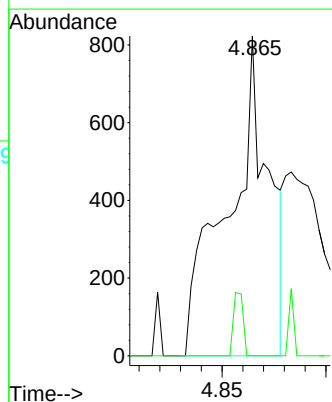
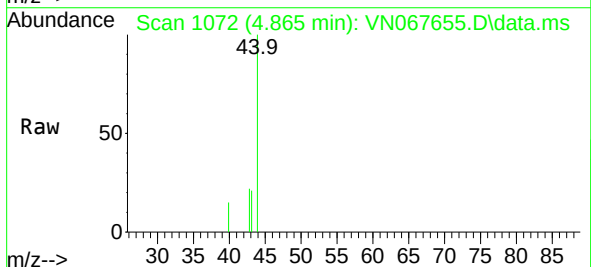
Instrument :
MSVOA_N
ClientSampled :

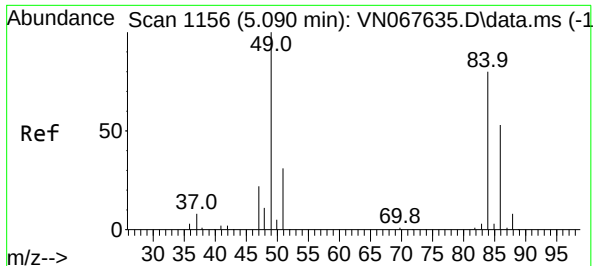
Tgt Ion: 43 Resp: 2876
Ion Ratio Lower Upper
43 100
58 30.7 21.2 31.8



#18
Methyl Acetate
Concen: 0.233 ug/l
RT: 4.865 min Scan# 1072
Delta R.T. 0.008 min
Lab File: VN067655.D
Acq: 8 Jul 2021 11:30

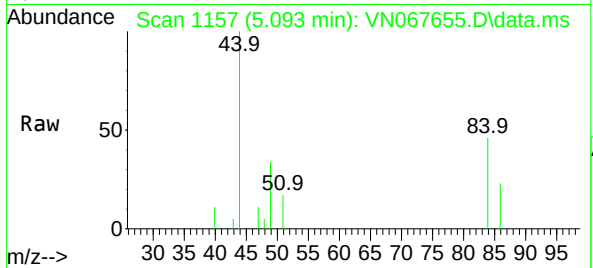
Tgt Ion: 43 Resp: 1102
Ion Ratio Lower Upper
43 100
74 4.7 17.4 26.0#



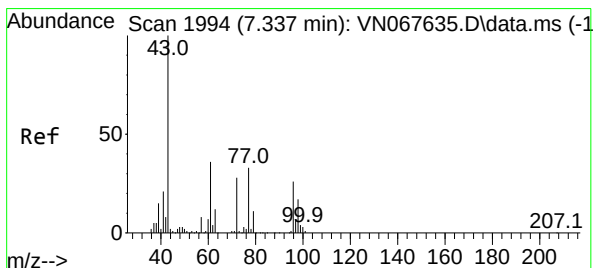
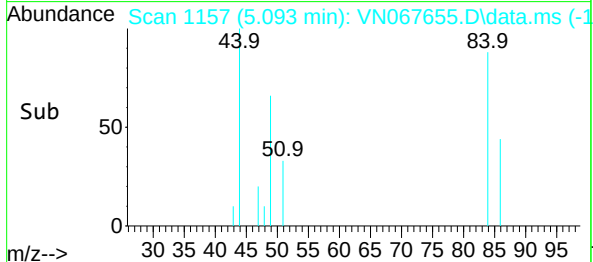
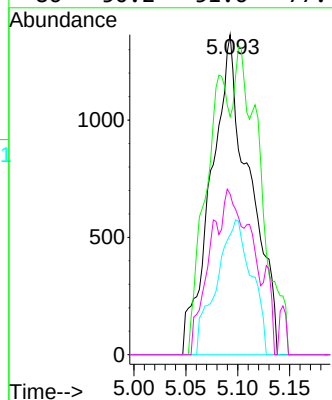


#20
Methylene Chloride
Concen: 0.201 ug/l
RT: 5.093 min Scan# 1157
Delta R.T. 0.003 min
Lab File: VN067655.D
Acq: 8 Jul 2021 11:30

Instrument :
MSVOA_N
ClientSampleId :

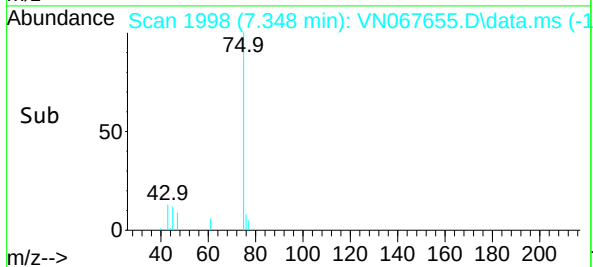
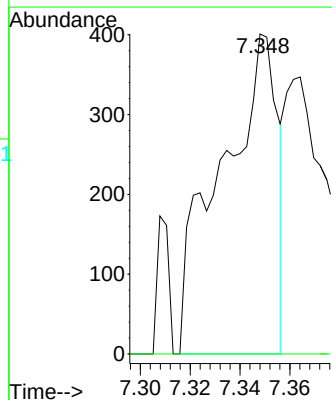
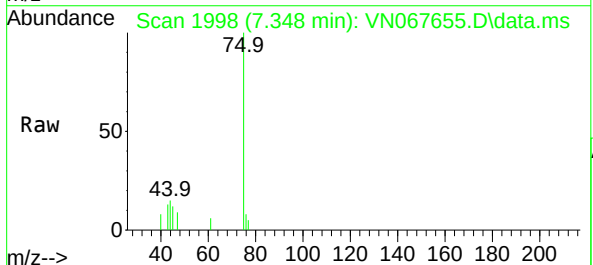


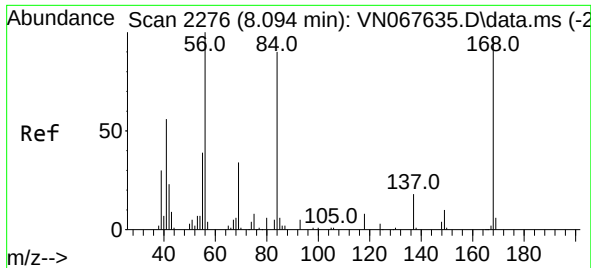
Tgt Ion: 84 Resp: 3511
Ion Ratio Lower Upper
84 100
49 74.4 110.9 166.3#
51 37.5 32.6 49.0
86 50.2 51.6 77.4#



#25
2-Butanone
Concen: 0.226 ug/l
RT: 7.348 min Scan# 1998
Delta R.T. 0.011 min
Lab File: VN067655.D
Acq: 8 Jul 2021 11:30

Tgt Ion: 43 Resp: 630
Ion Ratio Lower Upper
43 100
72 0.0 19.7 29.5#

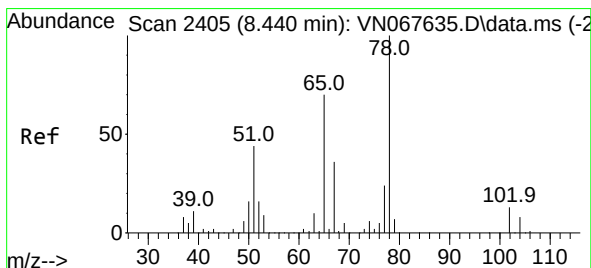
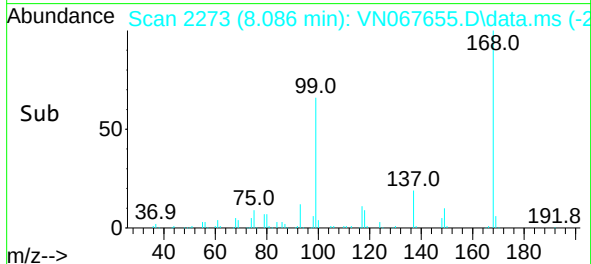
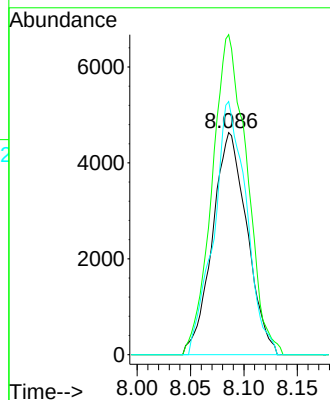
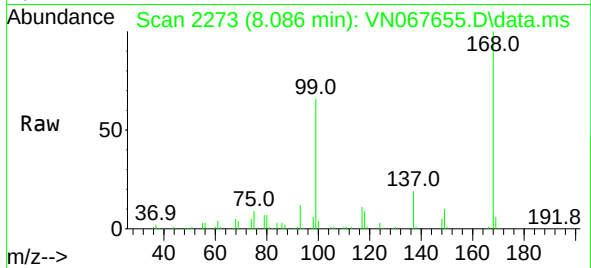




#31
Cyclohexane
Concen: 1.394 ug/l
RT: 8.086 min Scan# 2273
Delta R.T. -0.008 min
Lab File: VN067655.D
Acq: 8 Jul 2021 11:30

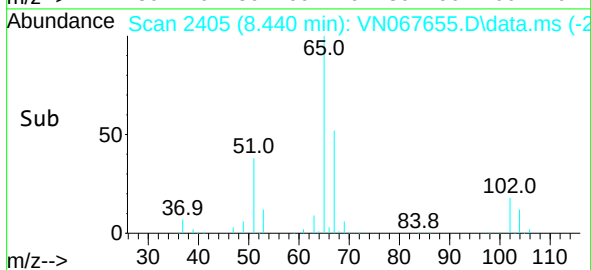
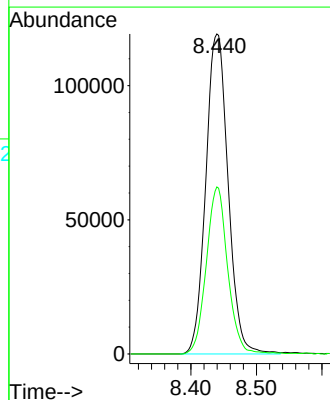
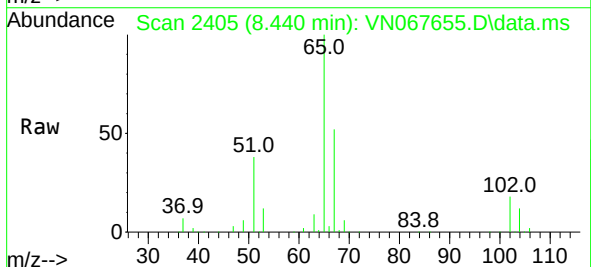
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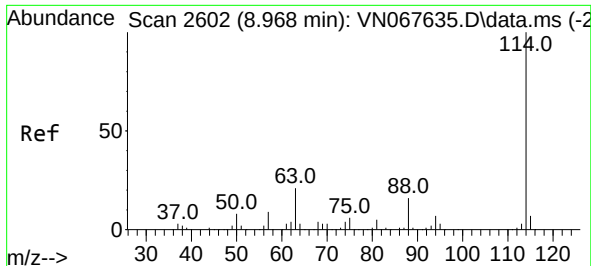
Tgt Ion: 56 Resp: 10446
Ion Ratio Lower Upper
56 100
69 144.1 27.3 40.9#
84 114.0 64.9 97.3#



#33
1,2-Dichloroethane-d4
Concen: 52.781 ug/l
RT: 8.440 min Scan# 2405
Delta R.T. -0.000 min
Lab File: VN067655.D
Acq: 8 Jul 2021 11:30

Tgt Ion: 65 Resp: 282084
Ion Ratio Lower Upper
65 100
67 49.8 0.0 98.6

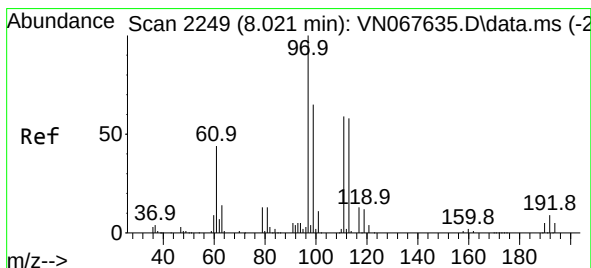
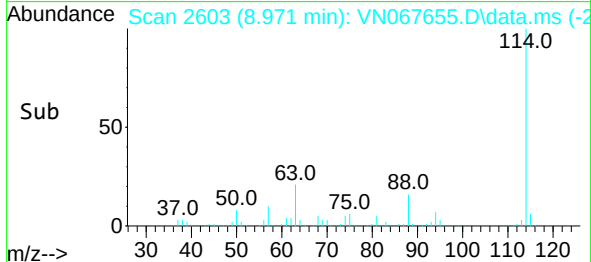
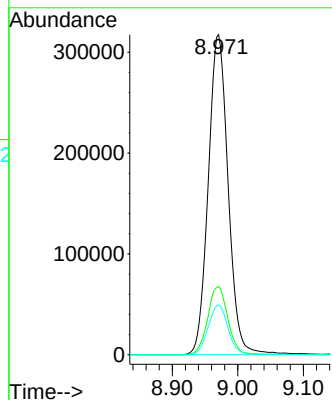
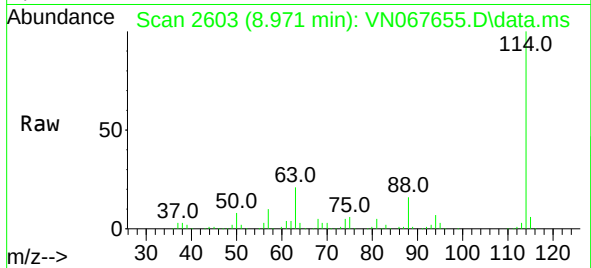




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.971 min Scan# 2603
Delta R.T. 0.003 min
Lab File: VN067655.D
Acq: 8 Jul 2021 11:30

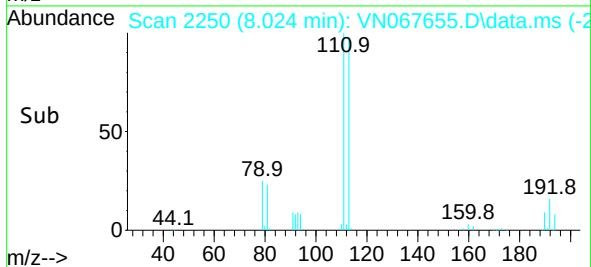
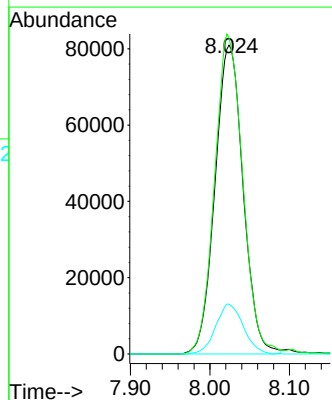
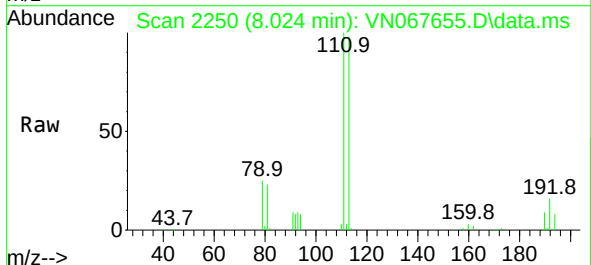
Instrument :
MSVOA_N
ClientSampleId :

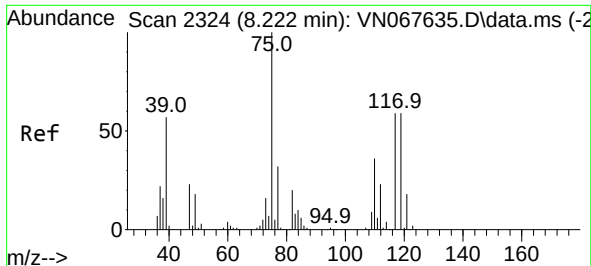
Tgt Ion:114 Resp: 667382
Ion Ratio Lower Upper
114 100
63 21.3 0.0 49.0
88 15.6 0.0 36.6



#35
Dibromofluoromethane
Concen: 49.316 ug/l
RT: 8.024 min Scan# 2250
Delta R.T. 0.003 min
Lab File: VN067655.D
Acq: 8 Jul 2021 11:30

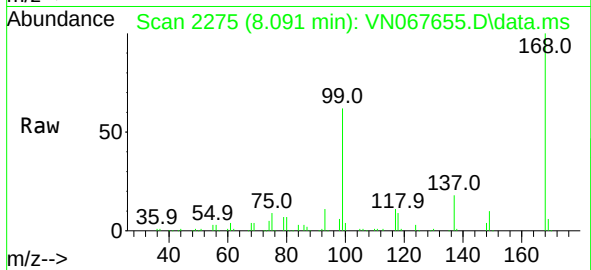
Tgt Ion:113 Resp: 198849
Ion Ratio Lower Upper
113 100
111 103.6 83.8 125.8
192 15.9 13.4 20.0



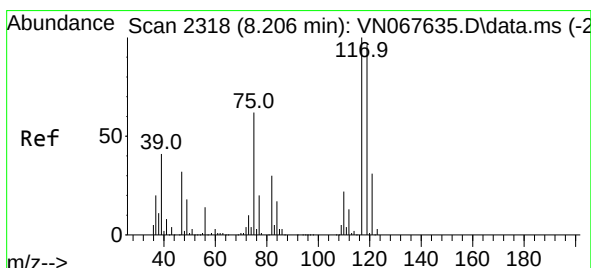
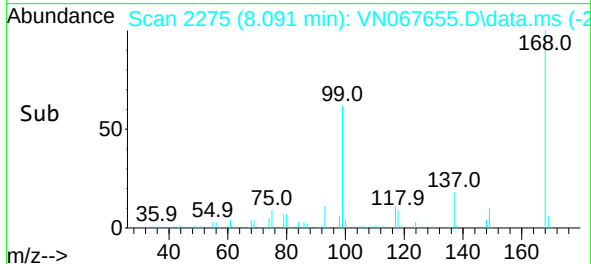
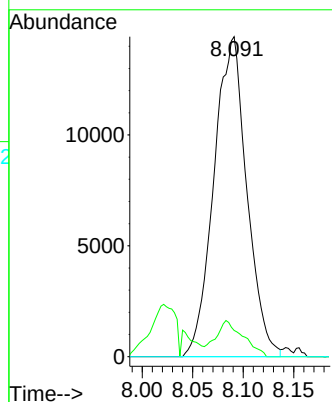


#36
1,1-Dichloropropene
Concen: 5.278 ug/l
RT: 8.091 min Scan# 2275
Delta R.T. -0.131 min
Lab File: VN067655.D
Acq: 8 Jul 2021 11:30

Instrument :
MSVOA_N
ClientSampleId :

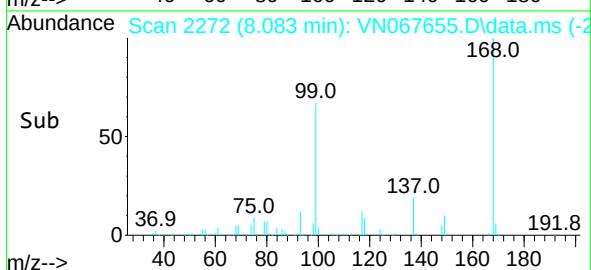
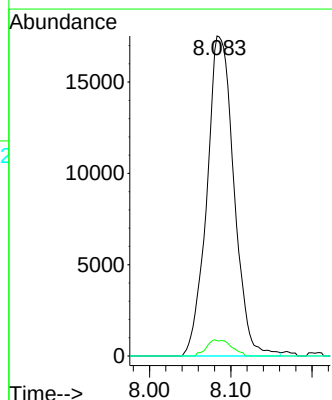
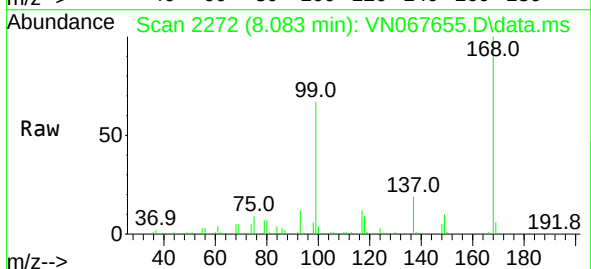


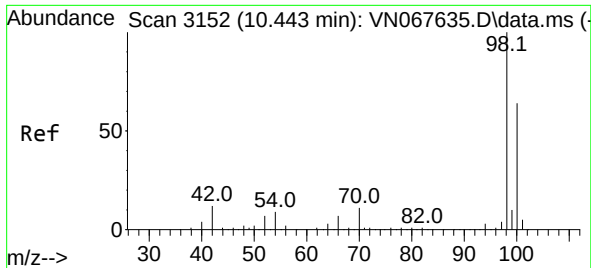
Tgt Ion: 75 Resp: 32722
Ion Ratio Lower Upper
75 100
110 9.4 15.7 47.0#
77 0.0 24.6 37.0#



#38
Carbon Tetrachloride
Concen: 6.628 ug/l
RT: 8.083 min Scan# 2272
Delta R.T. -0.123 min
Lab File: VN067655.D
Acq: 8 Jul 2021 11:30

Tgt Ion: 117 Resp: 40530
Ion Ratio Lower Upper
117 100
119 4.7 75.4 113.2#
121 0.0 23.5 35.3#

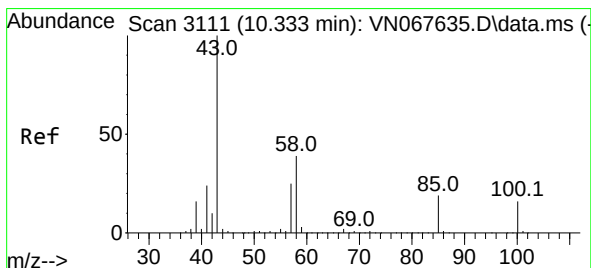
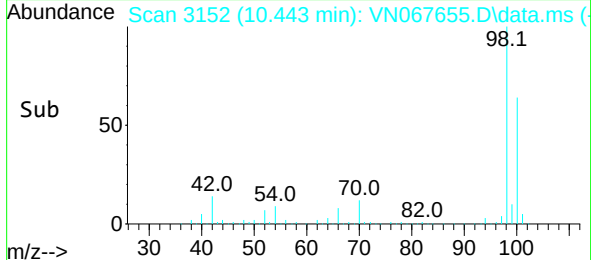
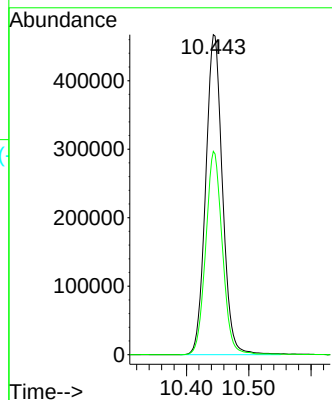
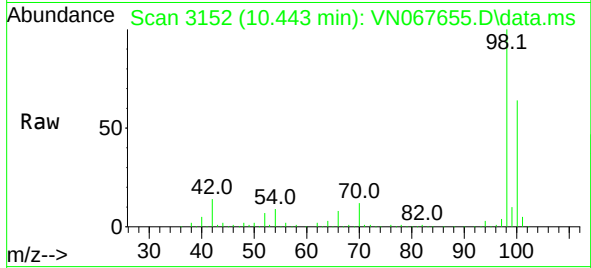




#50
Toluene-d8
Concen: 51.714 ug/l
RT: 10.443 min Scan# 3152
Delta R.T. 0.000 min
Lab File: VN067655.D
Acq: 8 Jul 2021 11:30

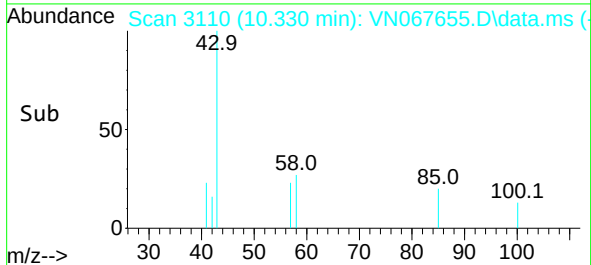
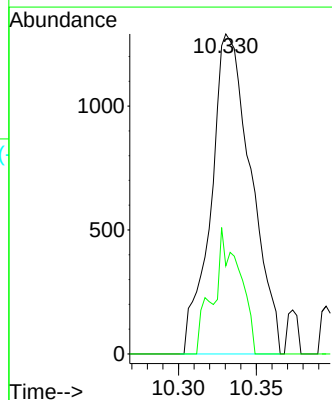
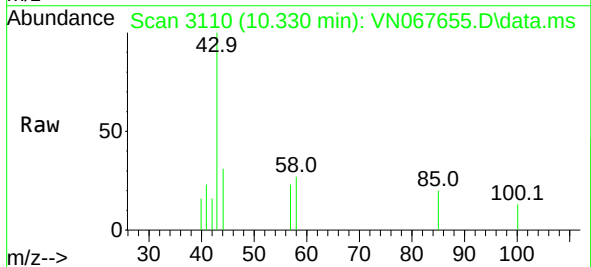
Instrument :
MSVOA_N
ClientSampled :

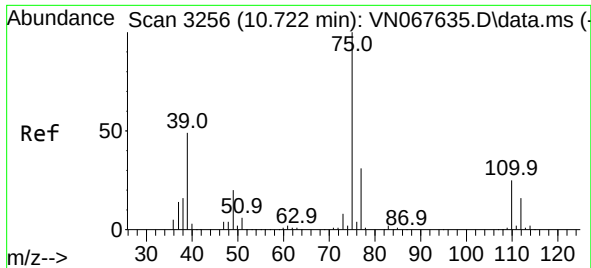
Tgt Ion: 98 Resp: 872812
Ion Ratio Lower Upper
98 100
100 62.9 51.7 77.5



#51
4-Methyl-2-Pentanone
Concen: 0.356 ug/l
RT: 10.330 min Scan# 3110
Delta R.T. -0.003 min
Lab File: VN067655.D
Acq: 8 Jul 2021 11:30

Tgt Ion: 43 Resp: 2311
Ion Ratio Lower Upper
43 100
58 26.0 28.6 43.0#

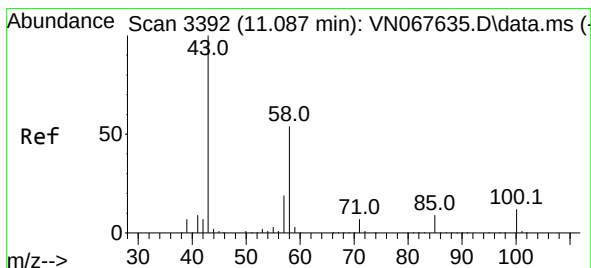
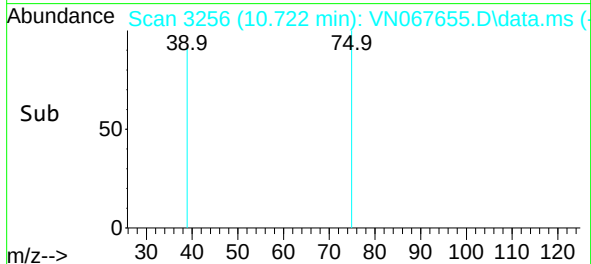
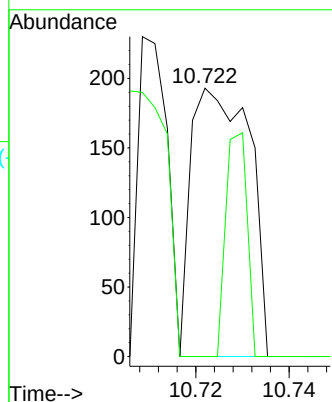
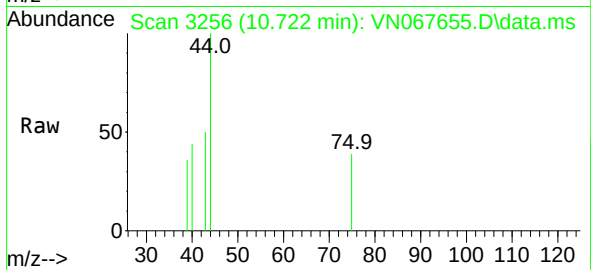




#53
t-1,3-Dichloropropene
Concen: 1.765 ug/l
RT: 10.722 min Scan# 3256
Delta R.T. -0.000 min
Lab File: VN067655.D
Acq: 8 Jul 2021 11:30

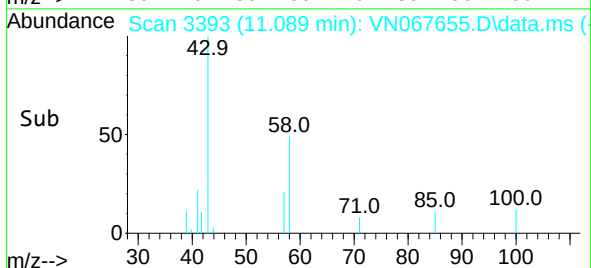
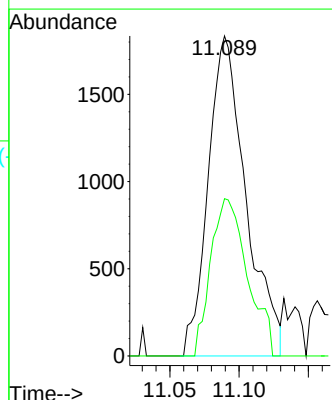
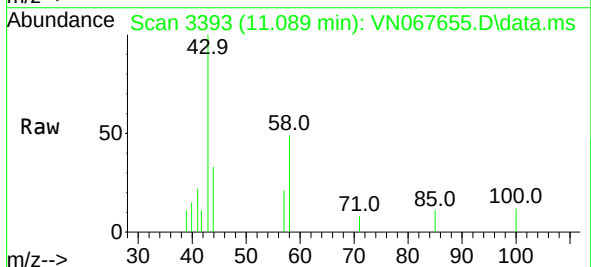
Instrument :
MSVOA_N
ClientSampled :

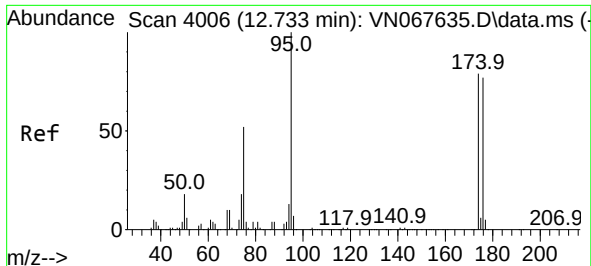
Tgt Ion: 75 Resp: 168
Ion Ratio Lower Upper
75 100
77 0.0 25.1 37.7#



#59
2-Hexanone
Concen: 0.769 ug/l
RT: 11.089 min Scan# 3393
Delta R.T. 0.002 min
Lab File: VN067655.D
Acq: 8 Jul 2021 11:30

Tgt Ion: 43 Resp: 3483
Ion Ratio Lower Upper
43 100
58 47.8 24.7 74.1

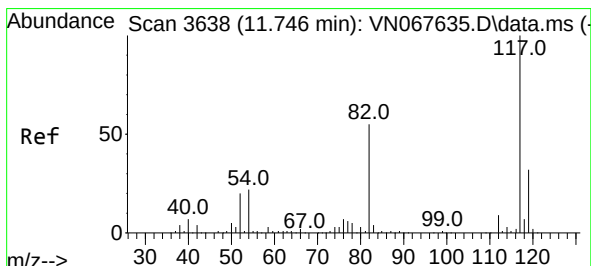
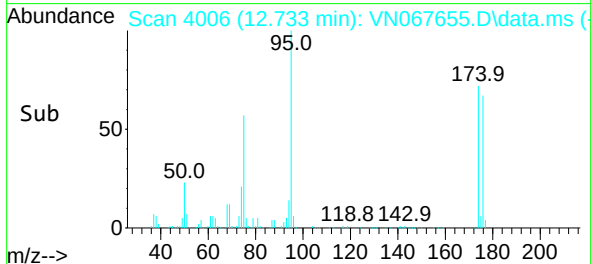
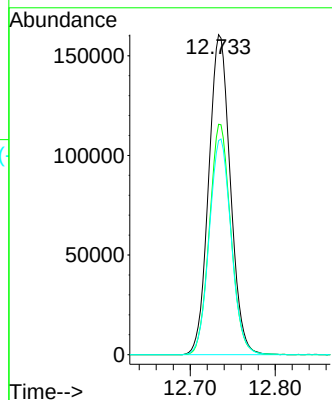
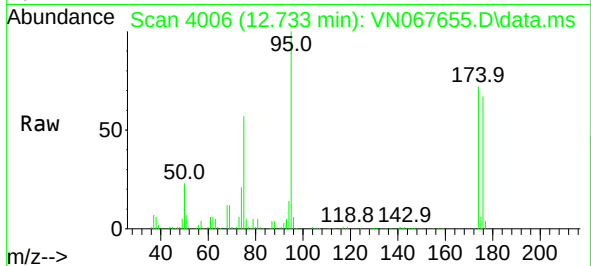




#62
4-Bromofluorobenzene
Concen: 47.613 ug/l
RT: 12.733 min Scan# 4006
Delta R.T. 0.000 min
Lab File: VN067655.D
Acq: 8 Jul 2021 11:30

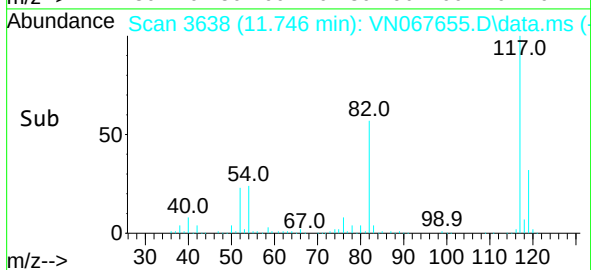
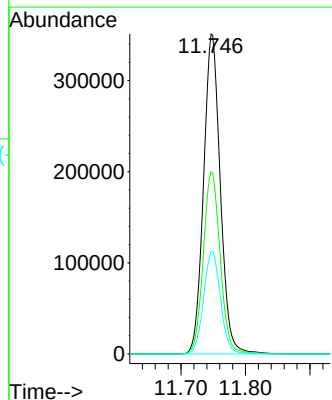
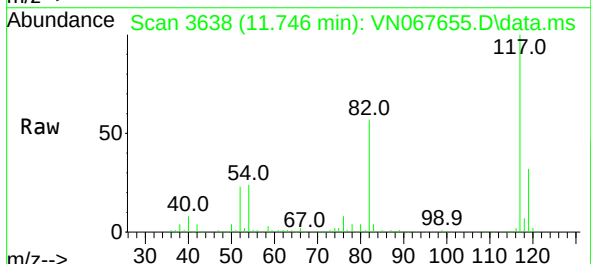
Instrument :
MSVOA_N
ClientSampleId :

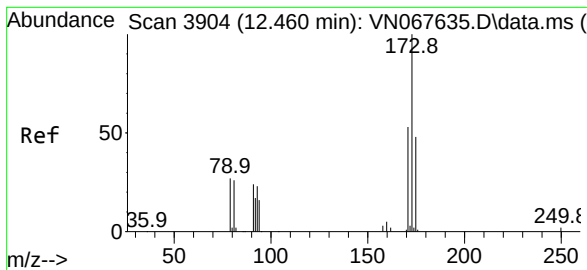
Tgt Ion: 95 Resp: 283873
Ion Ratio Lower Upper
95 100
174 71.5 0.0 122.0
176 68.5 0.0 117.6



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.746 min Scan# 3638
Delta R.T. -0.000 min
Lab File: VN067655.D
Acq: 8 Jul 2021 11:30

Tgt Ion: 117 Resp: 634823
Ion Ratio Lower Upper
117 100
82 56.9 53.1 79.7
119 31.9 25.5 38.3

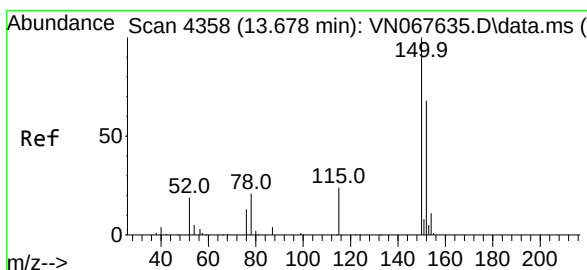
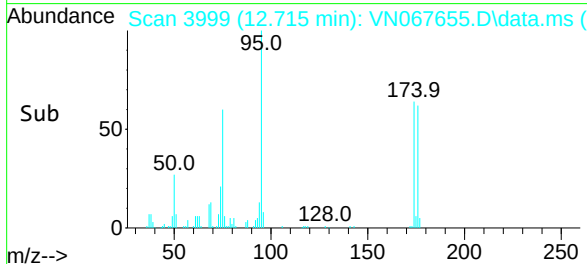
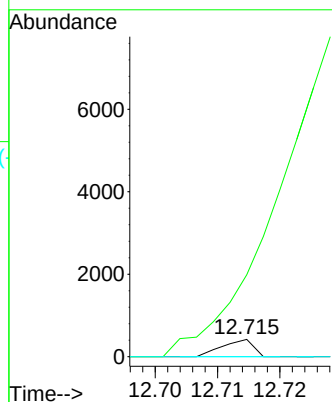
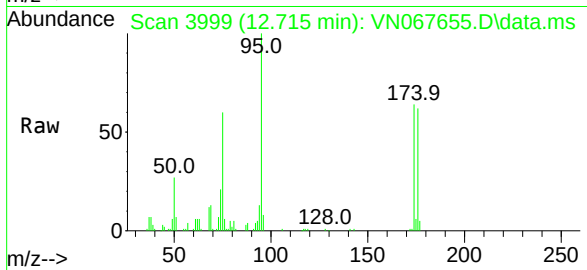




#71
Bromoform
Concen: 3.209 ug/l
RT: 12.715 min Scan# 3999
Delta R.T. 0.255 min
Lab File: VN067655.D
Acq: 8 Jul 2021 11:30

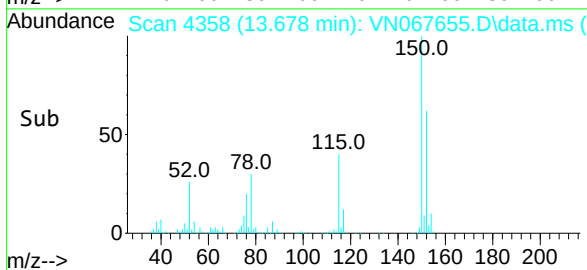
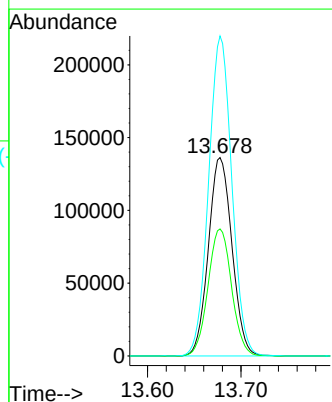
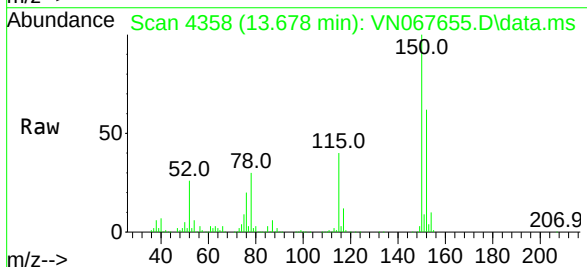
Instrument :
MSVOA_N
ClientSampleId :

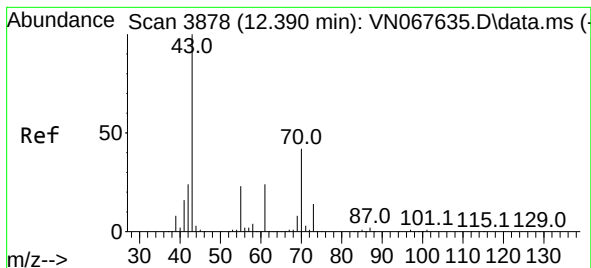
Tgt Ion:173 Resp: 146
Ion Ratio Lower Upper
173 100
175 10067.8 23.9 71.8#
254 0.0 0.0 0.0



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.678 min Scan# 4358
Delta R.T. -0.000 min
Lab File: VN067655.D
Acq: 8 Jul 2021 11:30

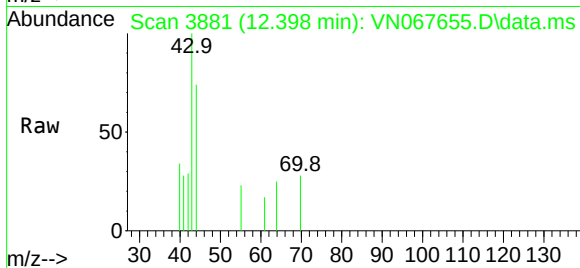
Tgt Ion:152 Resp: 239504
Ion Ratio Lower Upper
152 100
115 63.9 36.1 108.5
150 158.3 0.0 351.8



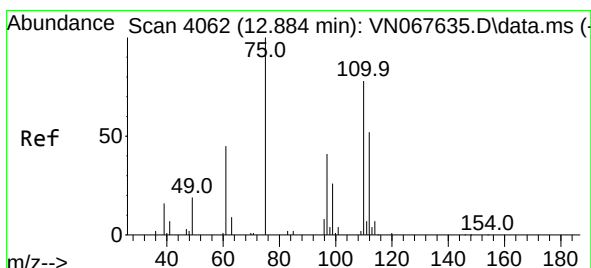
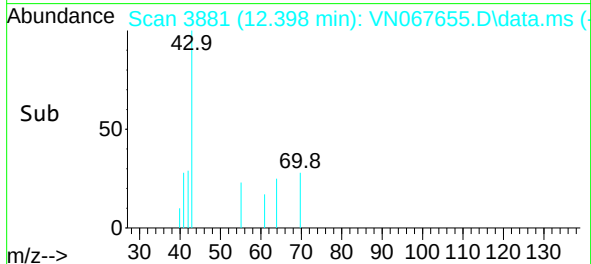
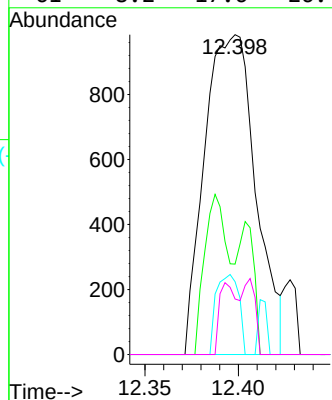


#74
N-amy1 acetate
Concen: 0.267 ug/l
RT: 12.398 min Scan# 3881
Delta R.T. 0.008 min
Lab File: VN067655.D
Acq: 8 Jul 2021 11:30

Instrument :
MSVOA_N
ClientSampleId :

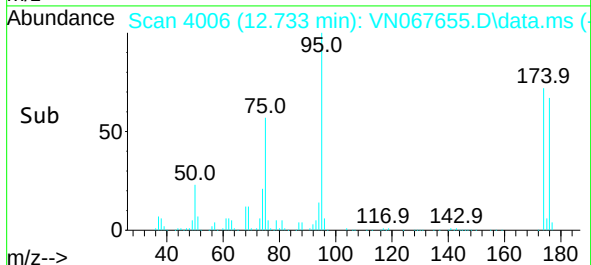
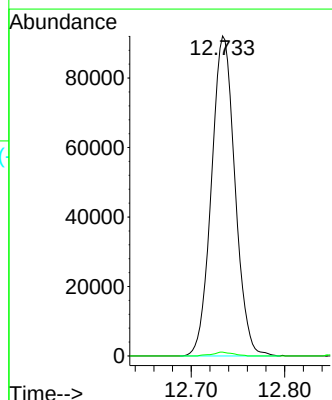
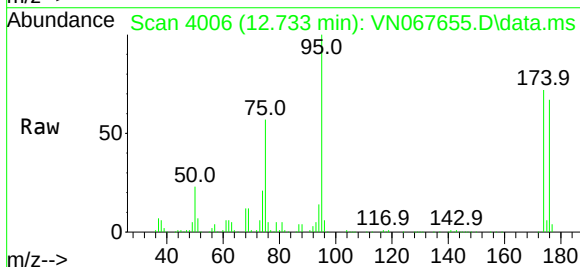


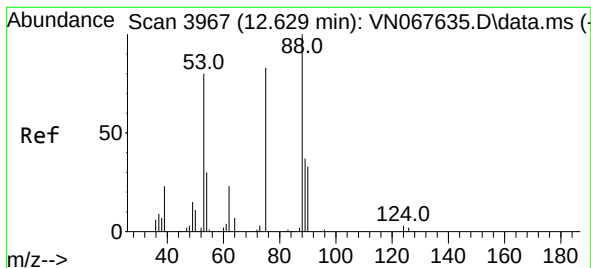
Tgt Ion: 43 Resp: 1869
Ion Ratio Lower Upper
43 100
70 24.2 29.4 44.2#
55 11.1 17.0 25.4#
61 8.2 17.6 26.4#



#76
1,2,3-Trichloropropane
Concen: 32.992 ug/l
RT: 12.733 min Scan# 4006
Delta R.T. -0.151 min
Lab File: VN067655.D
Acq: 8 Jul 2021 11:30

Tgt Ion: 75 Resp: 161366
Ion Ratio Lower Upper
75 100
77 1.1 0.0 0.0#

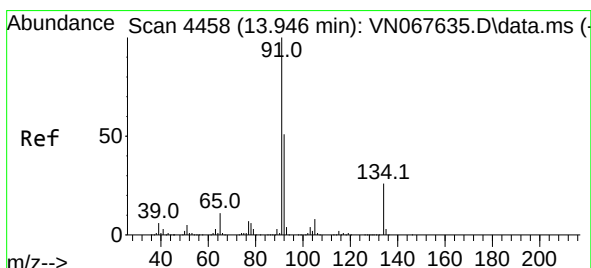
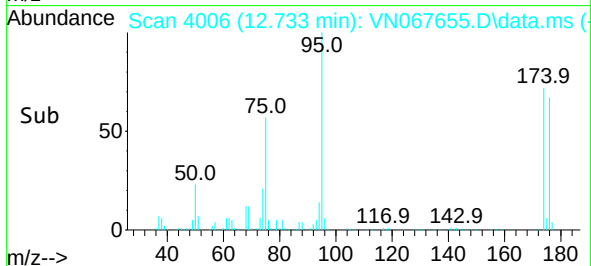
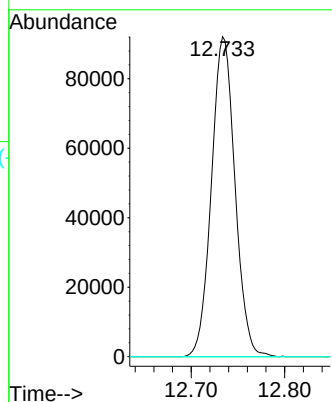
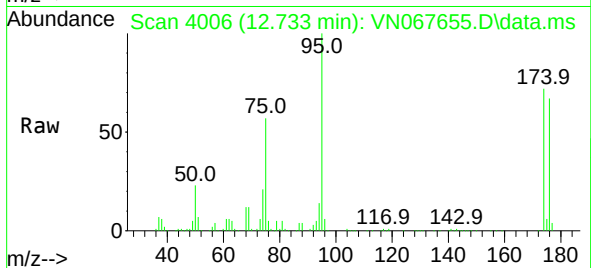




#81
trans-1,4-Dichloro-2-butene
Concen: 106.369 ug/l
RT: 12.733 min Scan# 4006
Delta R.T. 0.104 min
Lab File: VN067655.D
Acq: 8 Jul 2021 11:30

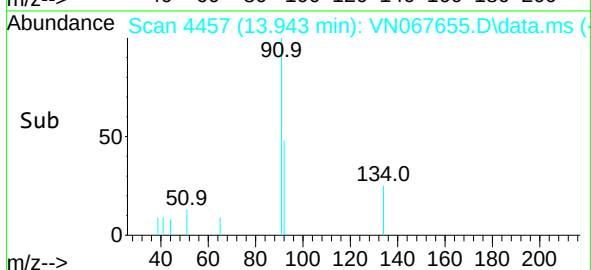
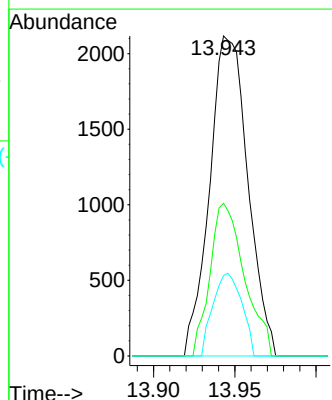
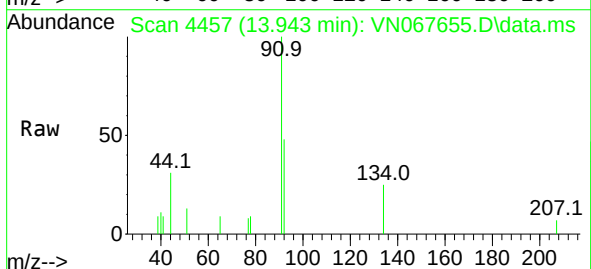
Instrument :
MSVOA_N
ClientSampleId :

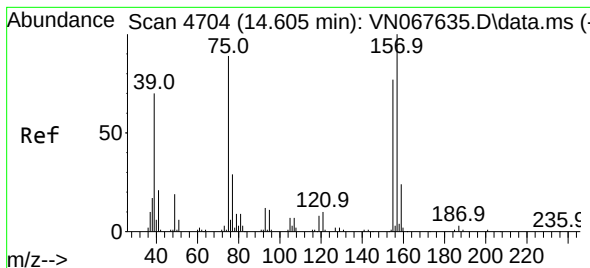
Tgt Ion: 75 Resp: 161366
Ion Ratio Lower Upper
75 100
53 0.0 87.6 131.4#
89 0.0 37.8 56.8#



#89
n-Butylbenzene
Concen: 0.271 ug/l
RT: 13.943 min Scan# 4457
Delta R.T. -0.003 min
Lab File: VN067655.D
Acq: 8 Jul 2021 11:30

Tgt Ion: 91 Resp: 3464
Ion Ratio Lower Upper
91 100
92 43.0 25.7 77.1
134 19.4 11.2 33.6





#92

1,2-Dibromo-3-Chloropropane

Concen: 0.216 ug/l

RT: 14.608 min Scan# 4705

Delta R.T. 0.003 min

Lab File: VN067655.D

Acq: 8 Jul 2021 11:30

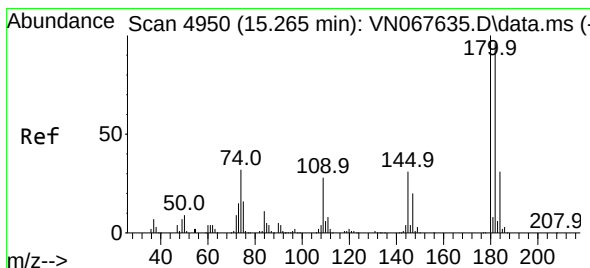
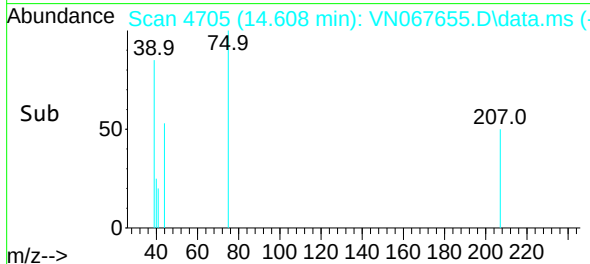
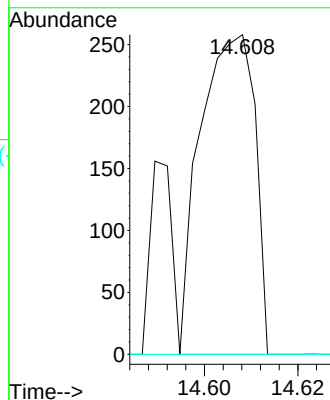
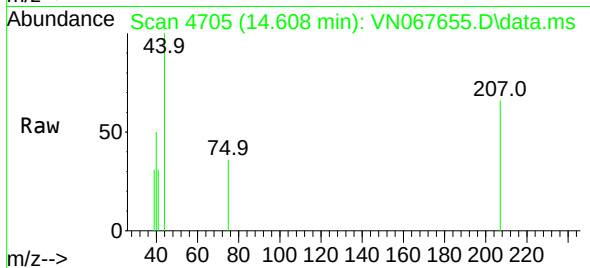
Tgt Ion: 75 Resp: 210

Ion Ratio Lower Upper

75 100

155 0.0 29.8 89.5#

157 0.0 37.6 112.8#



#93

1,2,4-Trichlorobenzene

Concen: 3.120 ug/l

RT: 15.265 min Scan# 4950

Delta R.T. 0.000 min

Lab File: VN067655.D

Acq: 8 Jul 2021 11:30

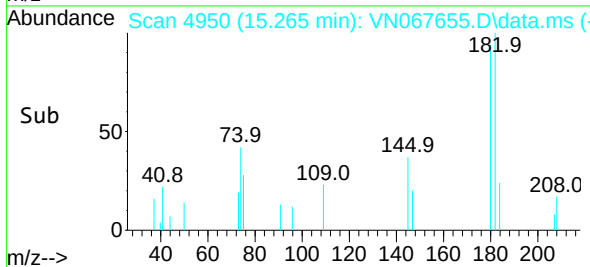
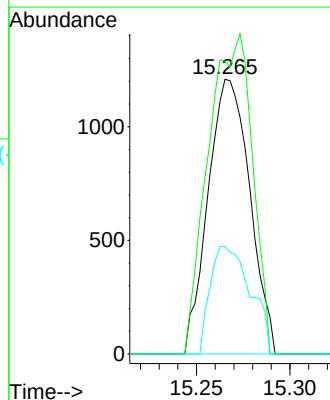
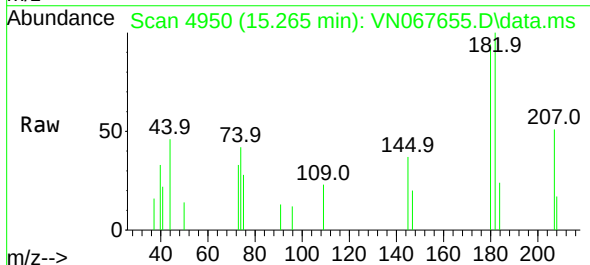
Tgt Ion: 180 Resp: 1877

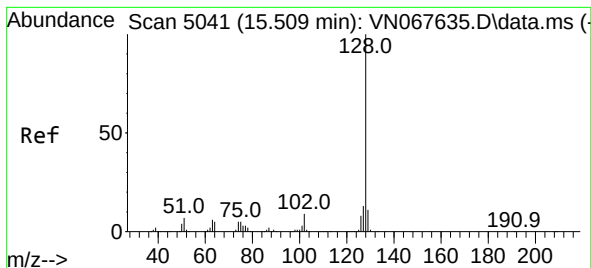
Ion Ratio Lower Upper

180 100

182 123.2 47.5 142.5

145 37.6 17.2 51.6

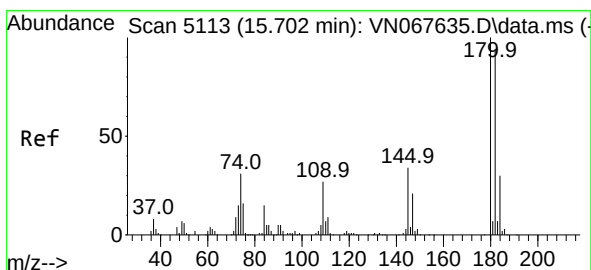
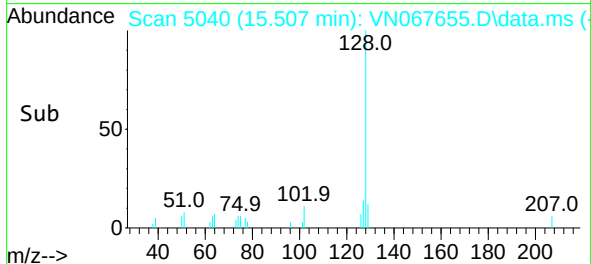
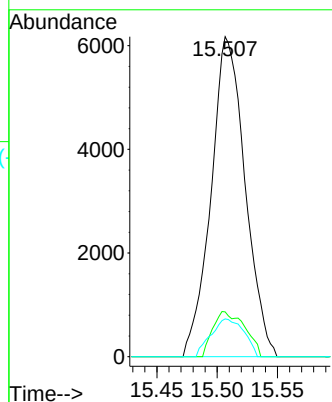
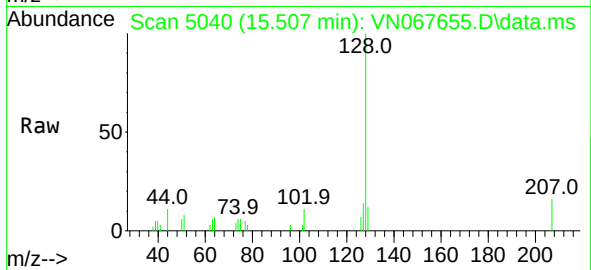




#95
Naphthalene
Concen: 3.983 ug/l
RT: 15.507 min Scan# 5040
Delta R.T. -0.002 min
Lab File: VN067655.D
Acq: 8 Jul 2021 11:30

Instrument :
MSVOA_N
ClientSampleId :

Tgt Ion:128	Resp:	12112
Ion Ratio	Lower	Upper
128	100	
127	13.3	10.6 15.8
129	11.4	8.6 12.8



#96
1,2,3-Trichlorobenzene
Concen: 3.279 ug/l
RT: 15.705 min Scan# 5114
Delta R.T. 0.003 min
Lab File: VN067655.D
Acq: 8 Jul 2021 11:30

Tgt Ion:180	Resp:	2612
Ion Ratio	Lower	Upper
180	100	
182	94.8	47.8 143.3
145	34.8	18.2 54.6

