

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN072021\
 Data File : VN067822.D
 Acq On : 20 Jul 2021 17:12
 Operator : JC/MD
 Sample : PB137795ZHE#03
 Misc : 5.00mL/MSVOA_N/WATER
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :

Quant Time: Jul 21 05:09:36 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)

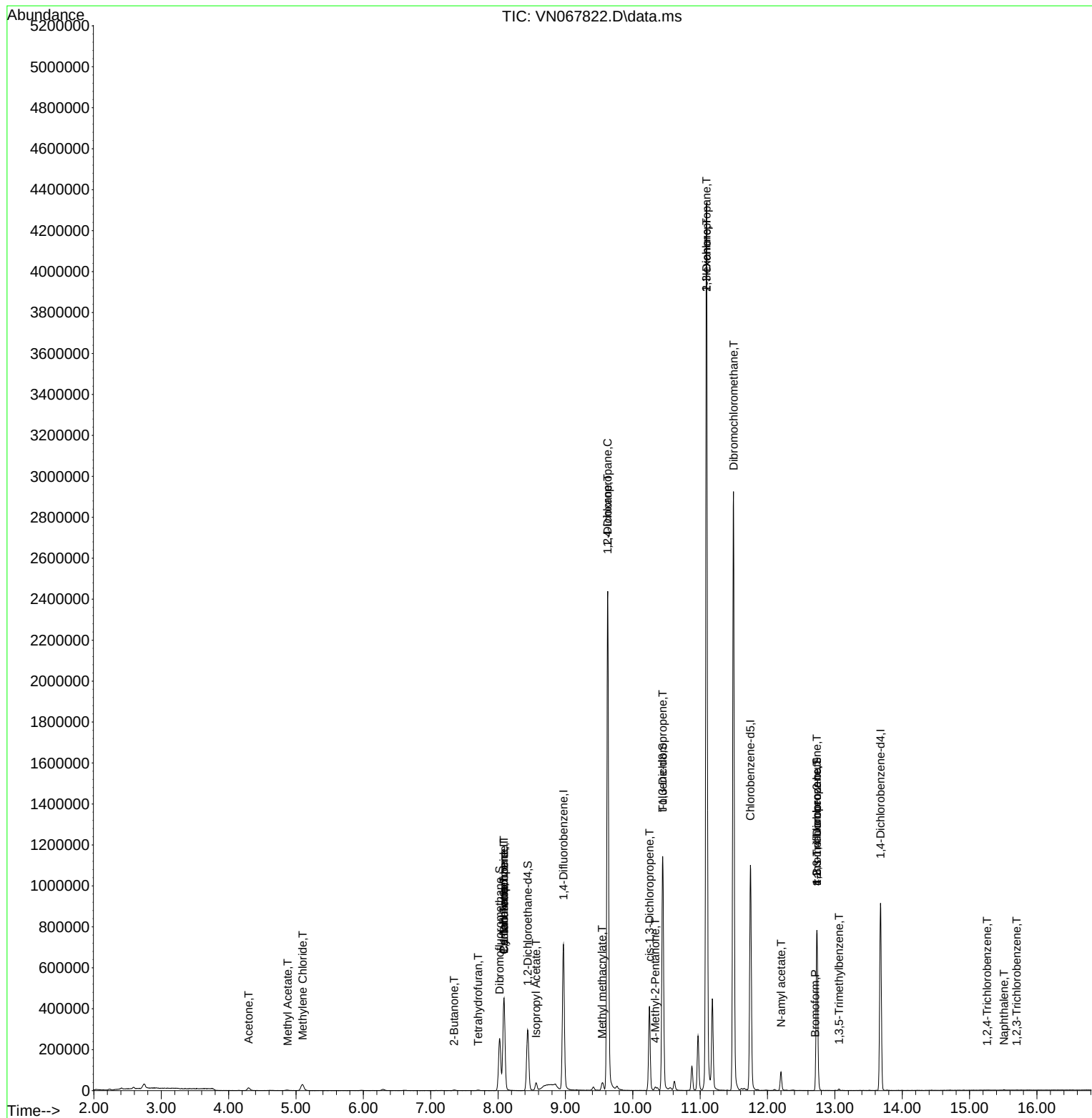
Internal Standards						
1) Pentafluorobenzene	8.088	168	323627	50.000	ug/l	# 0.00
34) 1,4-Difluorobenzene	8.971	114	613996	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.747	117	643251	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.678	152	235126	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.440	65	253848	51.901	ug/l	0.00
Spiked Amount 50.000	Range 61 - 141		Recovery = 103.800%			
35) Dibromofluoromethane	8.024	113	185032	49.879	ug/l	0.00
Spiked Amount 50.000	Range 69 - 133		Recovery = 99.760%			
50) Toluene-d8	10.443	98	800419	51.548	ug/l	0.00
Spiked Amount 50.000	Range 65 - 126		Recovery = 103.100%			
62) 4-Bromofluorobenzene	12.734	95	275474	50.221	ug/l	0.00
Spiked Amount 50.000	Range 58 - 135		Recovery = 100.440%			
Target Compounds						
					Qvalue	
5) Bromomethane	2.800	94	81	Below Cal	#	4
6) Chloroethane	3.011	64	26	Below Cal	#	44
13) Acrolein	4.044	56	191	Below Cal	#	14
16) Acetone	4.296	43	25169	16.354	ug/l	97
18) Methyl Acetate	4.875	43	5122	1.185	ug/l	# 77
20) Methylene Chloride	5.098	84	23717	5.989	ug/l	# 82
25) 2-Butanone	7.348	43	5611	2.196	ug/l	# 86
29) Tetrahydrofuran	7.702	42	1244	0.740	ug/l	# 83
31) Cyclohexane	8.088	56	8798	1.283	ug/l	# 22
36) 1,1-Dichloropropene	8.088	75	30078	5.274	ug/l	# 48
38) Carbon Tetrachloride	8.086	117	36333	6.458	ug/l	# 18
43) Isopropyl Acetate	8.563	43	43214	4.446	ug/l	# 92
45) 1,2-Dichloropropane	9.625	63	2727	0.631	ug/l	# 44
48) Methyl methacrylate	9.545	41	10336	2.404	ug/l	# 12
49) 1,4-Dioxane	9.628	88	159	33.932	ug/l	# 1
51) 4-Methyl-2-Pentanone	10.333	43	9430	1.579	ug/l	92
53) t-1,3-Dichloropropene	10.443	75	58	1.752	ug/l	94
54) cis-1,3-Dichloropropene	10.247	75	71337	10.698	ug/l	# 61
57) 1,3-Dichloropropane	11.095	76	46474	6.324	ug/l	# 44
59) 2-Hexanone	11.095	43	671053	160.982	ug/l	# 54
60) Dibromochloromethane	11.497	129	424	2.434	ug/l	# 11
71) Bromoform	12.707	173	25	3.181	ug/l	# 29
74) N-amyl acetate	12.200	43	28735	4.175	ug/l	# 57
76) 1,2,3-Trichloropropane	12.734	75	155289	32.340	ug/l	# 100
80) 1,3,5-Trimethylbenzene	13.063	105	3202	0.208	ug/l	92
81) trans-1,4-Dichloro-2-b...	12.734	75	155289	104.269	ug/l	# 6
93) 1,2,4-Trichlorobenzene	15.260	180	279	2.742	ug/l	# 22
95) Naphthalene	15.509	128	2772	3.239	ug/l	# 80
96) 1,2,3-Trichlorobenzene	15.700	180	518	2.763	ug/l	63

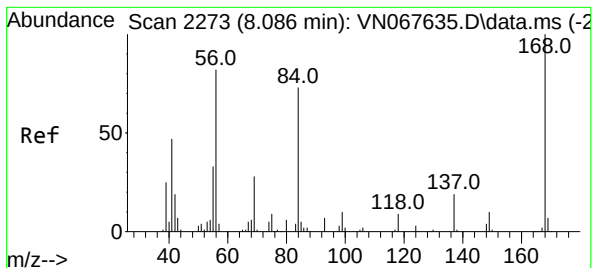
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : SW846 8260
QLast Update : Wed Jul 07 16:18:53 2021
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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: VN067822.D

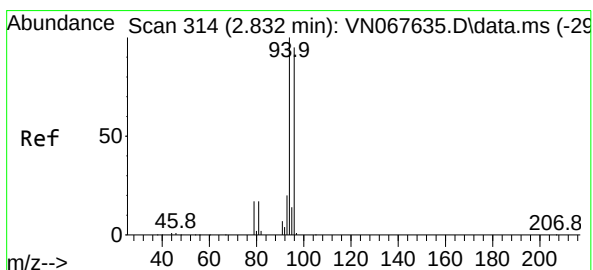
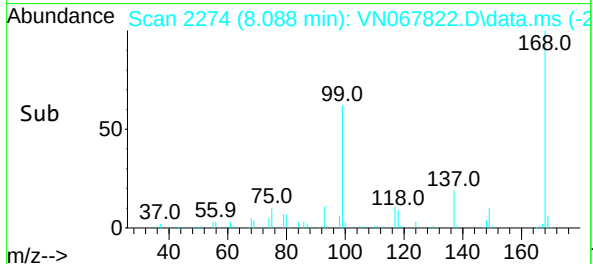
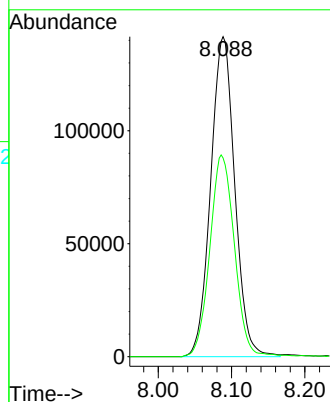
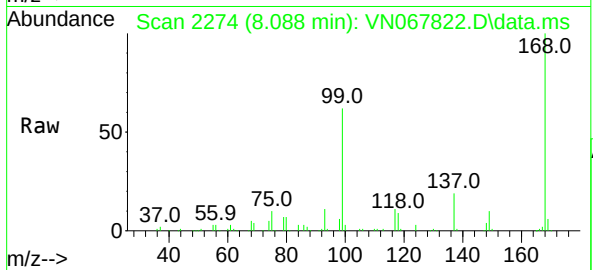
Acq: 20 Jul 2021 17:12

Tgt Ion:168 Resp: 323627

Ion Ratio Lower Upper

168 100

99 62.1 62.9 94.3#



#5

Bromomethane

Concen: Below Cal

RT: 2.800 min Scan# 302

Delta R.T. -0.032 min

Lab File: VN067822.D

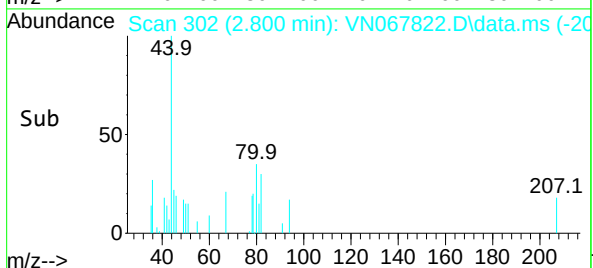
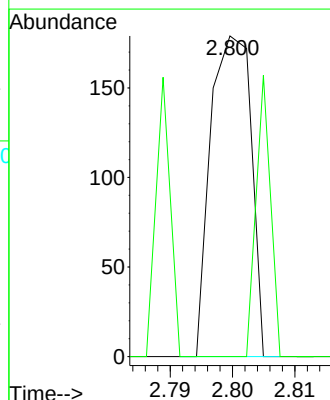
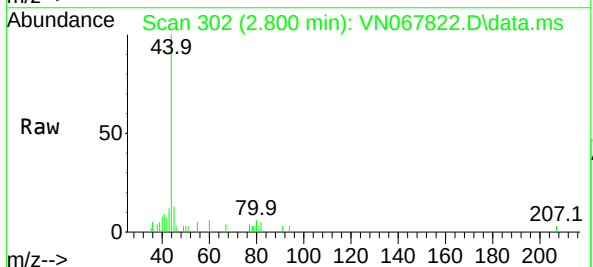
Acq: 20 Jul 2021 17:12

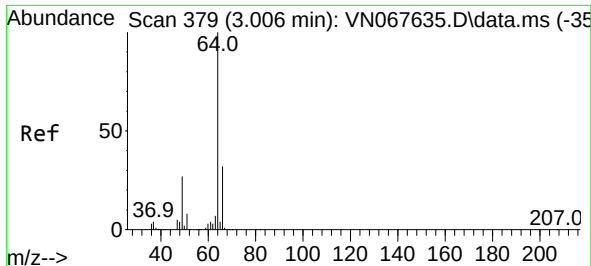
Tgt Ion: 94 Resp: 81

Ion Ratio Lower Upper

94 100

96 0.0 73.7 110.5#

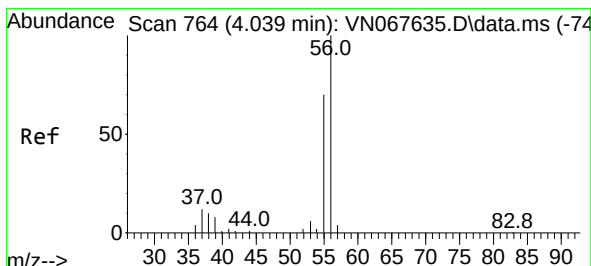
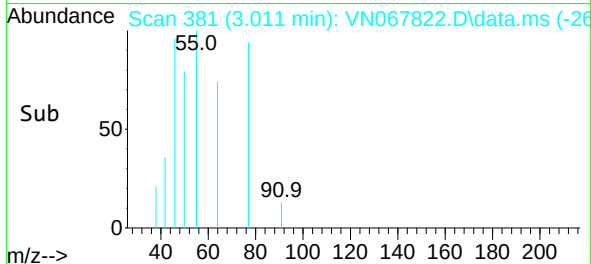
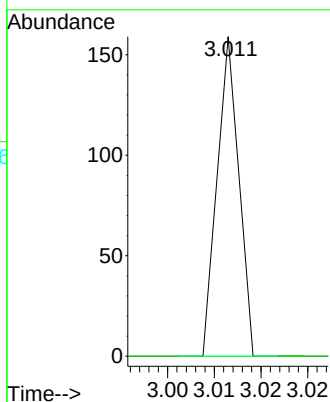
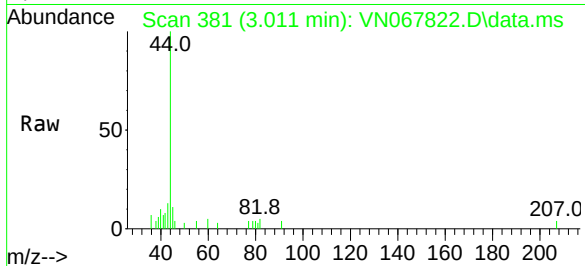




#6
Chloroethane
Concen: Below Cal
RT: 3.011 min Scan# 381
Delta R.T. 0.005 min
Lab File: VN067822.D
Acq: 20 Jul 2021 17:12

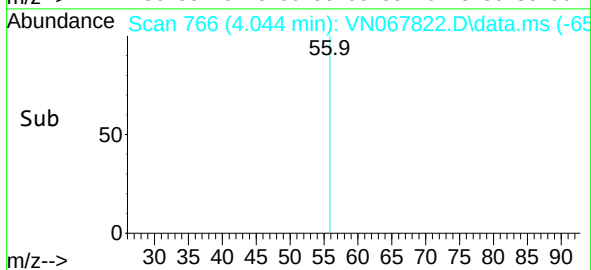
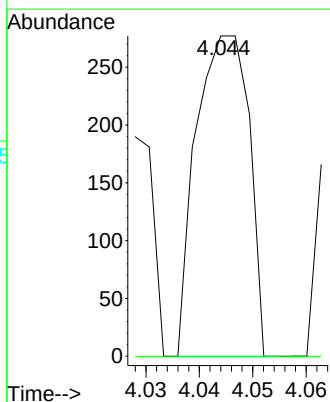
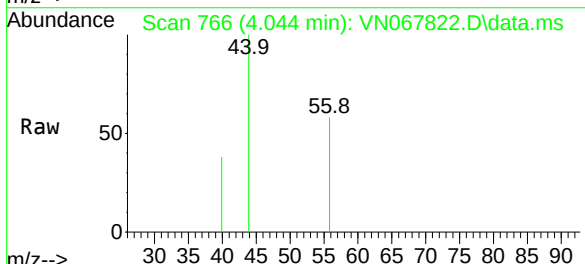
Instrument :
MSVOA_N
ClientSampled :

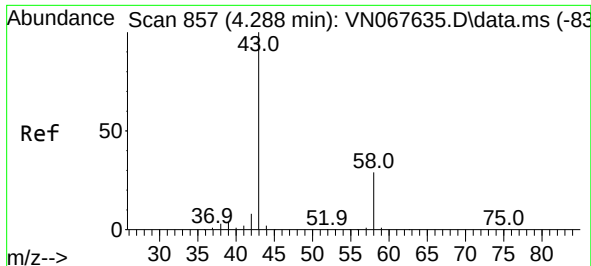
Tgt Ion: 64 Resp: 26
Ion Ratio Lower Upper
64 100
66 0.0 24.7 37.1#



#13
Acrolein
Concen: Below Cal
RT: 4.044 min Scan# 766
Delta R.T. 0.005 min
Lab File: VN067822.D
Acq: 20 Jul 2021 17:12

Tgt Ion: 56 Resp: 191
Ion Ratio Lower Upper
56 100
55 0.0 57.4 86.0#

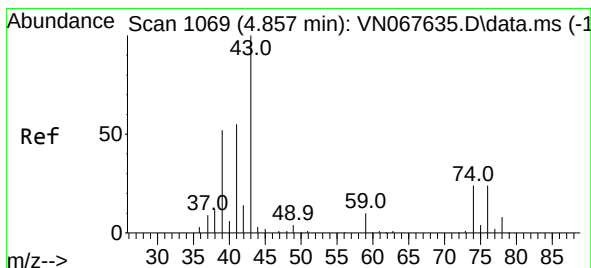
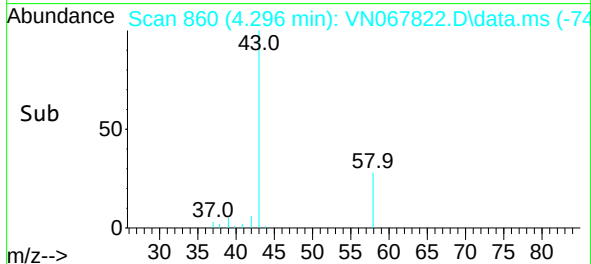
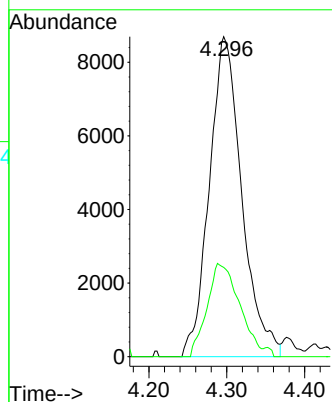
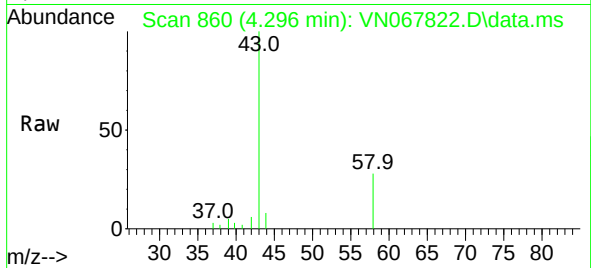




#16
Acetone
Concen: 16.354 ug/l
RT: 4.296 min Scan# 860
Delta R.T. 0.008 min
Lab File: VN067822.D
Acq: 20 Jul 2021 17:12

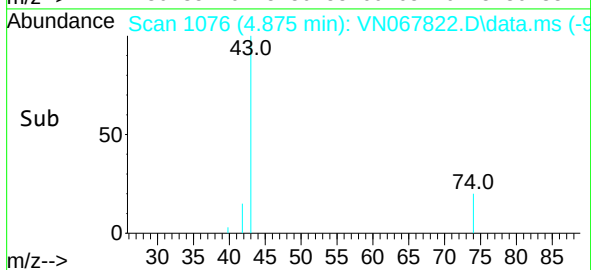
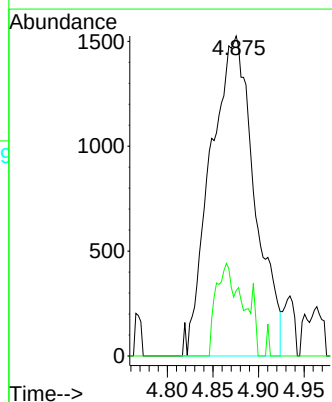
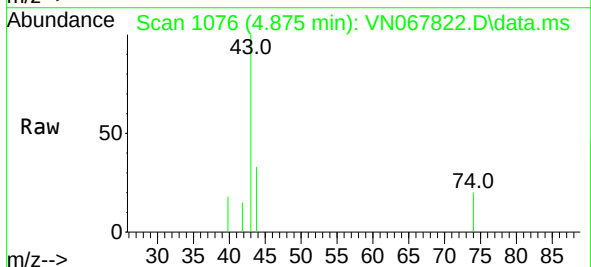
Instrument :
MSVOA_N
ClientSampled :

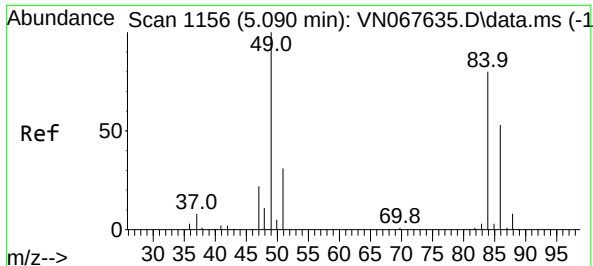
Tgt Ion: 43 Resp: 25169
Ion Ratio Lower Upper
43 100
58 27.9 21.2 31.8



#18
Methyl Acetate
Concen: 1.185 ug/l
RT: 4.875 min Scan# 1076
Delta R.T. 0.018 min
Lab File: VN067822.D
Acq: 20 Jul 2021 17:12

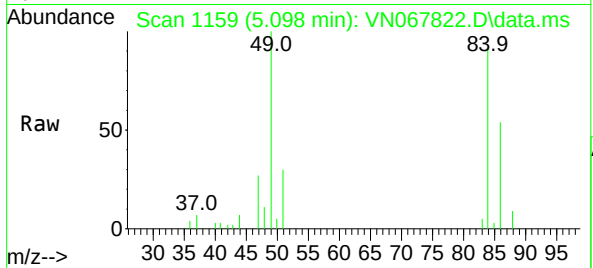
Tgt Ion: 43 Resp: 5122
Ion Ratio Lower Upper
43 100
74 10.6 17.4 26.0#



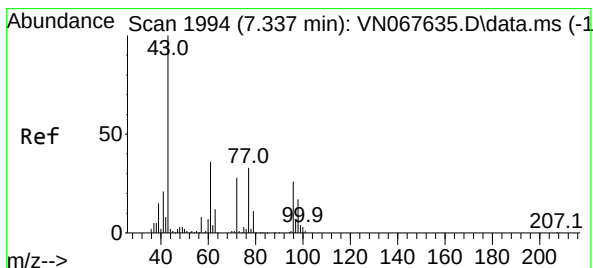
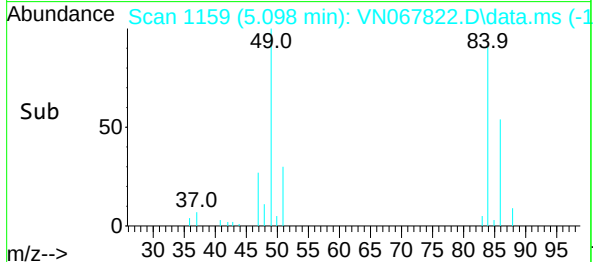
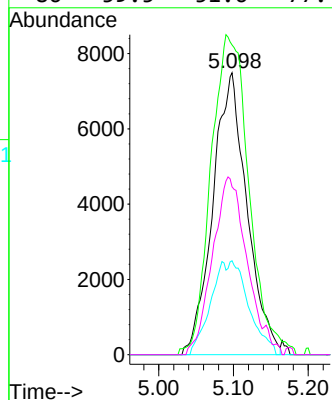


#20
Methylene Chloride
Concen: 5.989 ug/l
RT: 5.098 min Scan# 1159
Delta R.T. 0.008 min
Lab File: VN067822.D
Acq: 20 Jul 2021 17:12

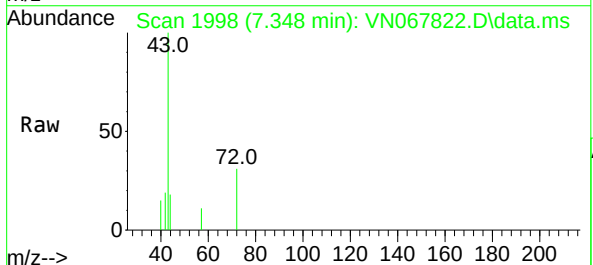
Instrument :
MSVOA_N
ClientSampleId :



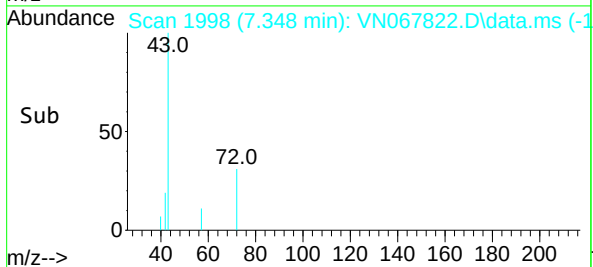
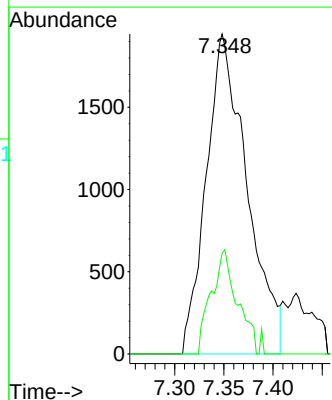
Tgt Ion:	84	Resp:	23717
Ion	Ratio	Lower	Upper
84	100		
49	107.8	110.9	166.3#
51	33.3	32.6	49.0
86	59.5	51.6	77.4

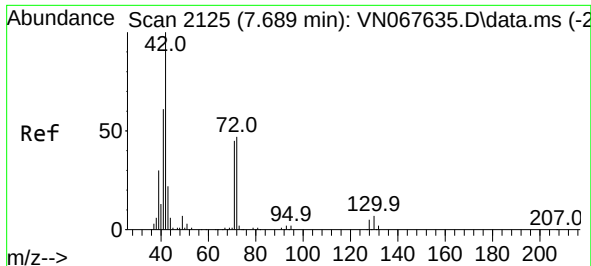


#25
2-Butanone
Concen: 2.196 ug/l
RT: 7.348 min Scan# 1998
Delta R.T. 0.011 min
Lab File: VN067822.D
Acq: 20 Jul 2021 17:12



Tgt Ion:	43	Resp:	5611
Ion	Ratio	Lower	Upper
43	100		
72	31.4	19.7	29.5#





#29

Tetrahydrofuran

Concen: 0.740 ug/l

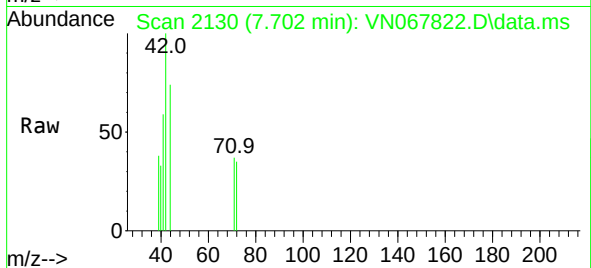
RT: 7.702 min Scan# 2130

Delta R.T. 0.013 min

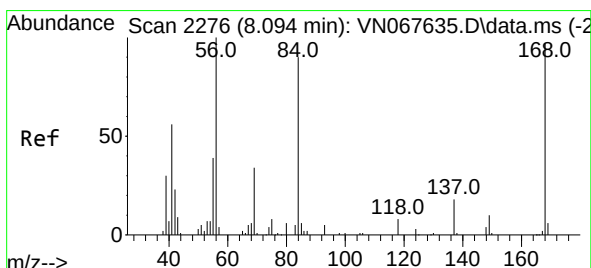
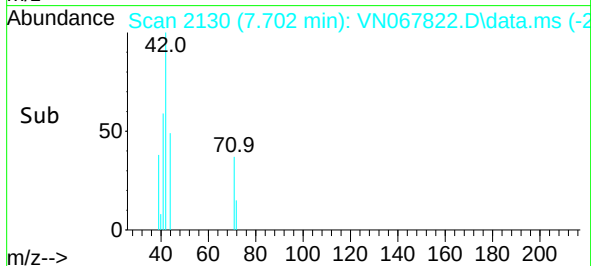
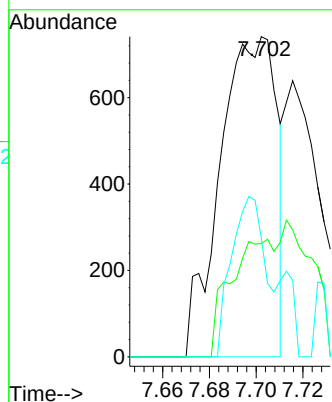
Lab File: VN067822.D

Acq: 20 Jul 2021 17:12

Instrument :
MSVOA_N
ClientSampled :



Tgt Ion:	42	Resp:	1244
Ion	Ratio	Lower	Upper
42	100		
72	28.6	32.8	49.2#
71	30.1	31.2	46.8#



#31

Cyclohexane

Concen: 1.283 ug/l

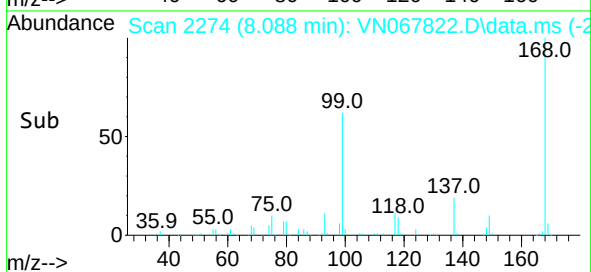
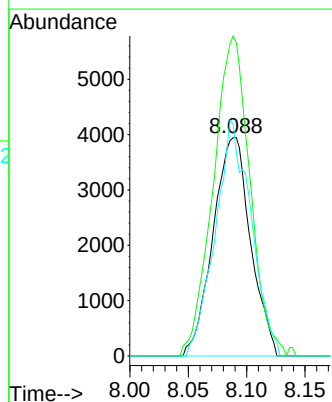
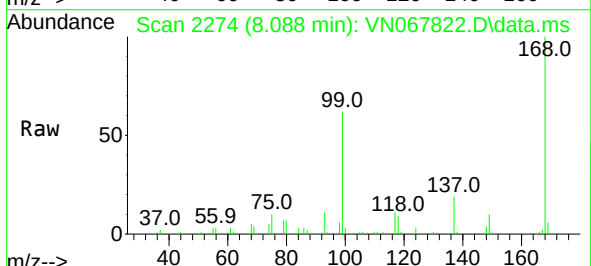
RT: 8.088 min Scan# 2274

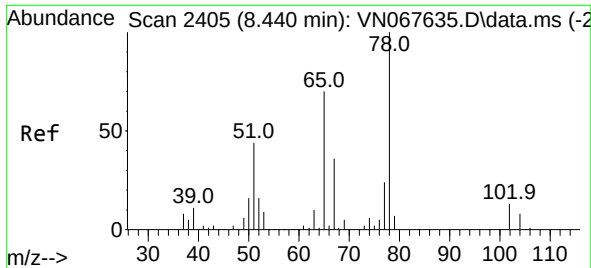
Delta R.T. -0.006 min

Lab File: VN067822.D

Acq: 20 Jul 2021 17:12

Tgt Ion:	56	Resp:	8798
Ion	Ratio	Lower	Upper
56	100		
69	146.6	27.3	40.9#
84	106.3	64.9	97.3#



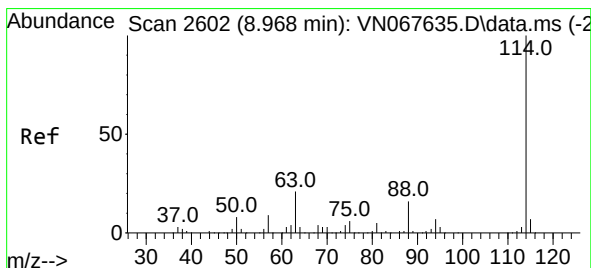
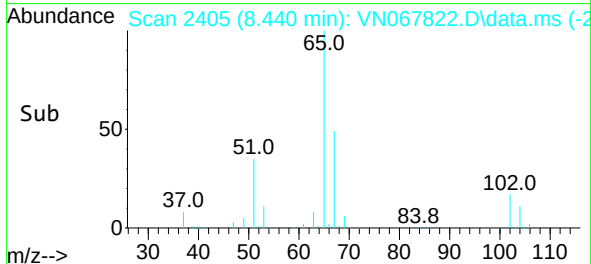
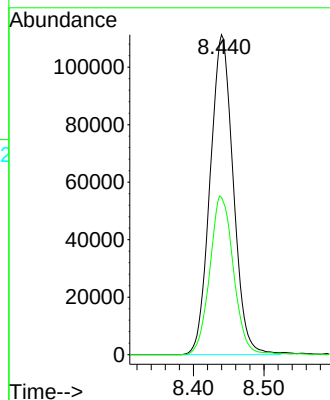
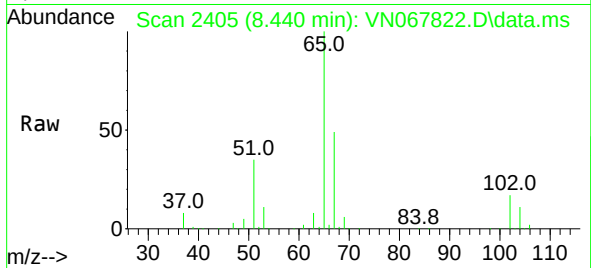


#33

1,2-Dichloroethane-d4
Concen: 51.901 ug/l
RT: 8.440 min Scan# 2405
Delta R.T. -0.000 min
Lab File: VN067822.D
Acq: 20 Jul 2021 17:12

Instrument :
MSVOA_N
ClientSampled :

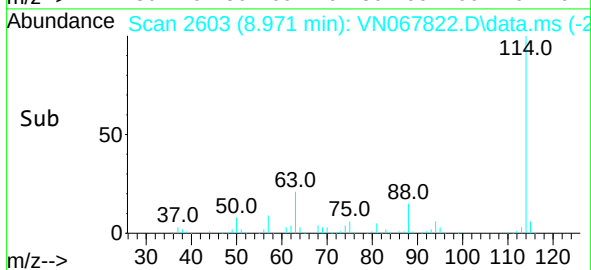
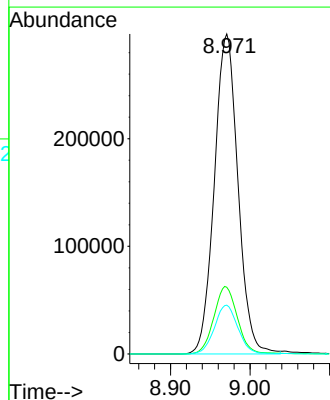
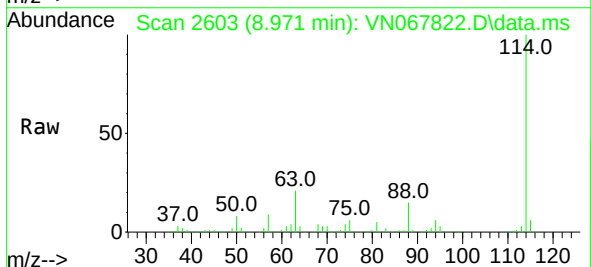
Tgt Ion: 65 Resp: 253848
Ion Ratio Lower Upper
65 100
67 50.6 0.0 98.6

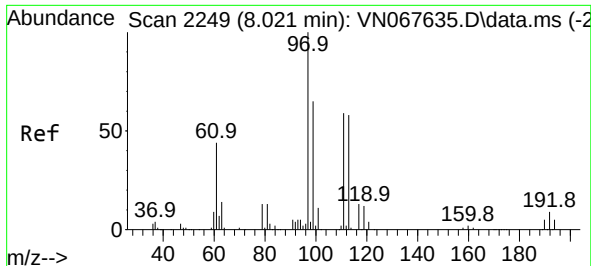


#34

1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.971 min Scan# 2603
Delta R.T. 0.003 min
Lab File: VN067822.D
Acq: 20 Jul 2021 17:12

Tgt Ion: 114 Resp: 613996
Ion Ratio Lower Upper
114 100
63 20.9 0.0 49.0
88 15.3 0.0 36.6





#35

Dibromofluoromethane

Concen: 49.879 ug/l

RT: 8.024 min Scan# 2250

Delta R.T. 0.003 min

Lab File: VN067822.D

Acq: 20 Jul 2021 17:12

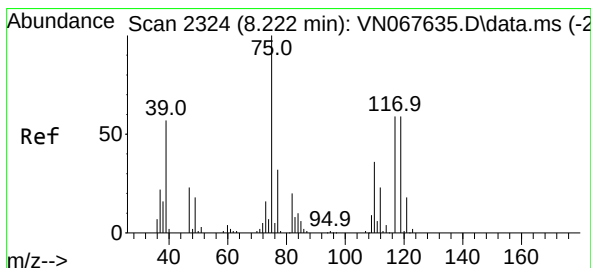
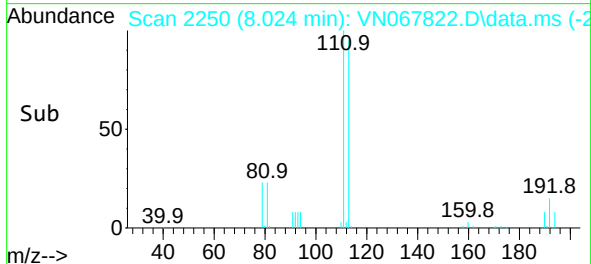
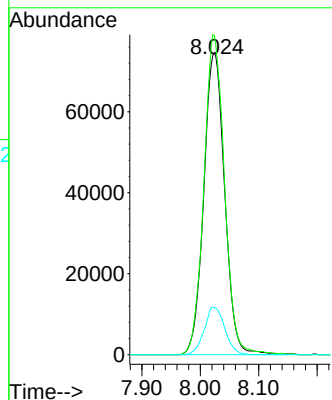
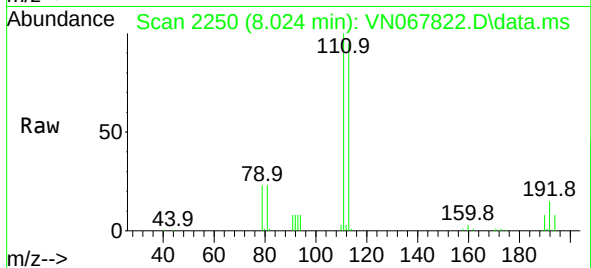
Tgt Ion: 113 Resp: 185032

Ion Ratio Lower Upper

113 100

111 104.1 83.8 125.8

192 15.5 13.4 20.0



#36

1,1-Dichloropropene

Concen: 5.274 ug/l

RT: 8.088 min Scan# 2274

Delta R.T. -0.134 min

Lab File: VN067822.D

Acq: 20 Jul 2021 17:12

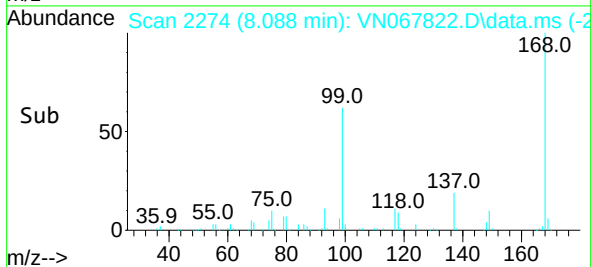
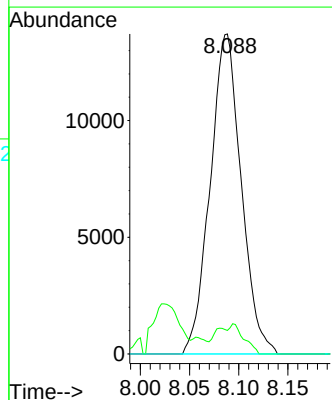
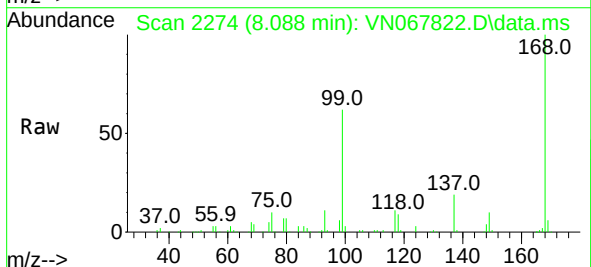
Tgt Ion: 75 Resp: 30078

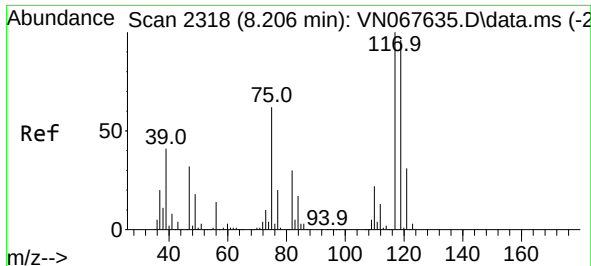
Ion Ratio Lower Upper

75 100

110 4.4 15.7 47.0#

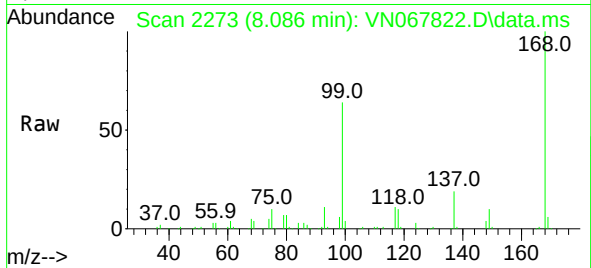
77 0.0 24.6 37.0#



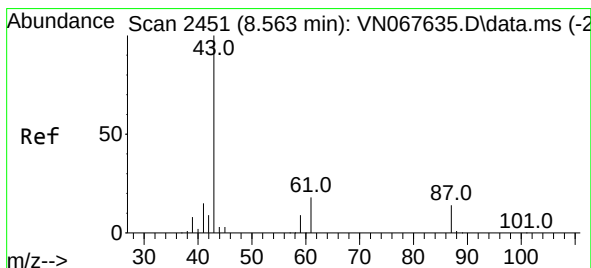
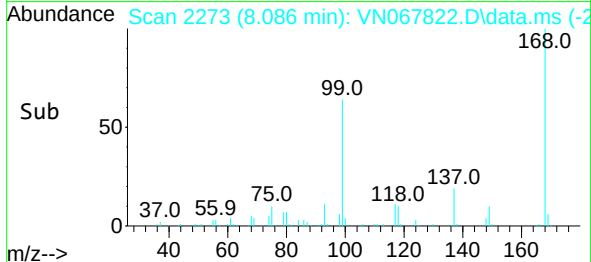
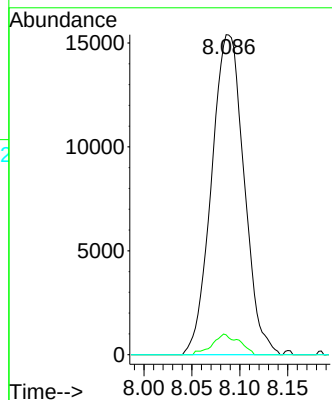


#38
Carbon Tetrachloride
Concen: 6.458 ug/l
RT: 8.086 min Scan# 2273
Delta R.T. -0.120 min
Lab File: VN067822.D
Acq: 20 Jul 2021 17:12

Instrument :
MSVOA_N
ClientSampled :

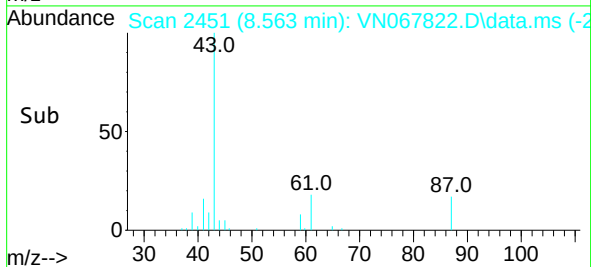
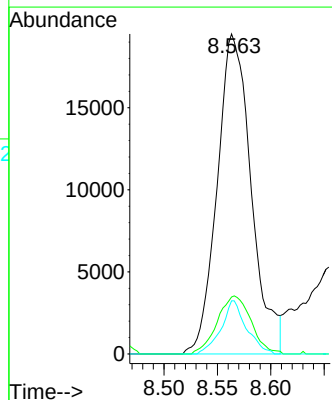
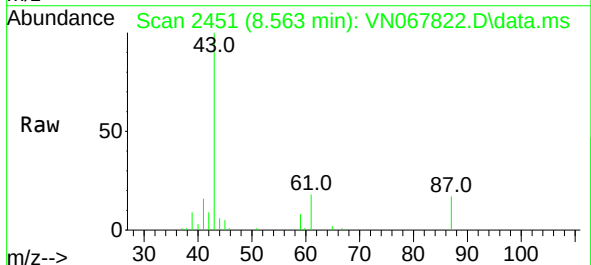


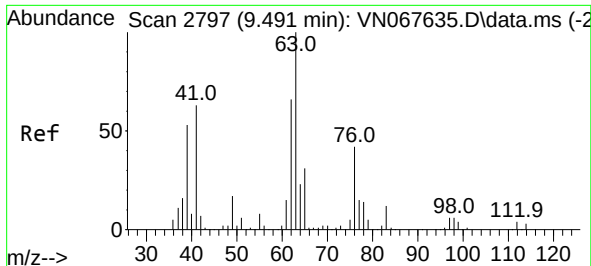
Tgt Ion:117 Resp: 36333
Ion Ratio Lower Upper
117 100
119 6.2 75.4 113.2#
121 0.0 23.5 35.3#



#43
Isopropyl Acetate
Concen: 4.446 ug/l
RT: 8.563 min Scan# 2451
Delta R.T. 0.000 min
Lab File: VN067822.D
Acq: 20 Jul 2021 17:12

Tgt Ion: 43 Resp: 43214
Ion Ratio Lower Upper
43 100
61 18.0 19.0 28.4#
87 12.4 9.5 14.3

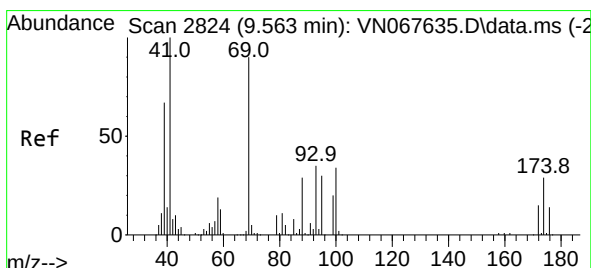
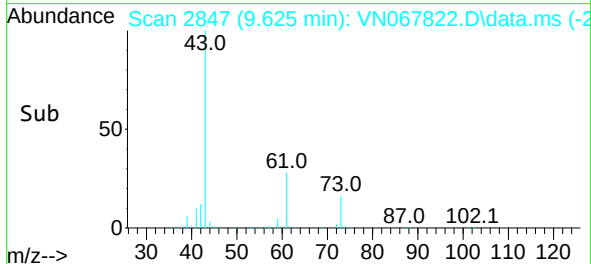
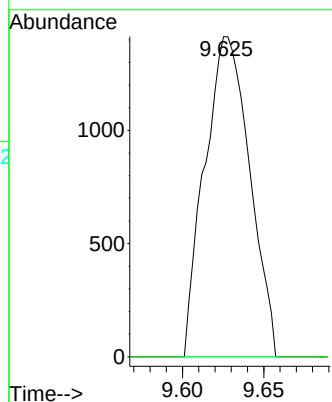
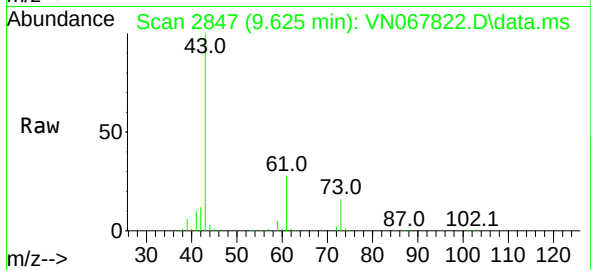




#45
1,2-Dichloropropane
Concen: 0.631 ug/l
RT: 9.625 min Scan# 2847
Delta R.T. 0.134 min
Lab File: VN067822.D
Acq: 20 Jul 2021 17:12

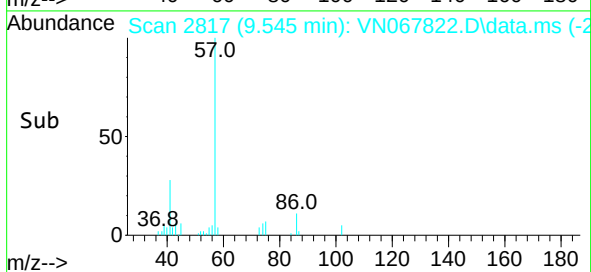
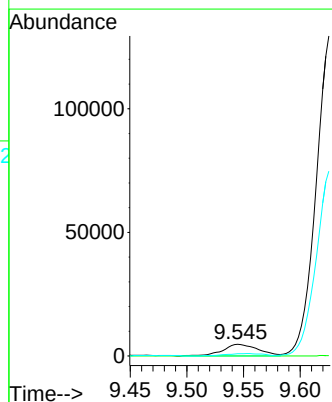
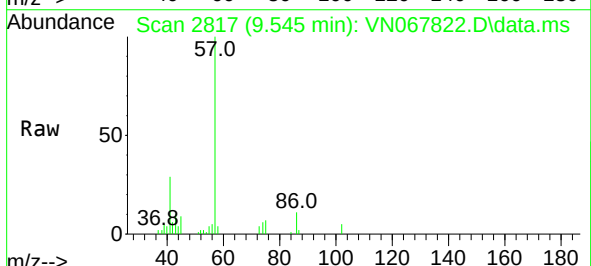
Instrument :
MSVOA_N
ClientSampled :

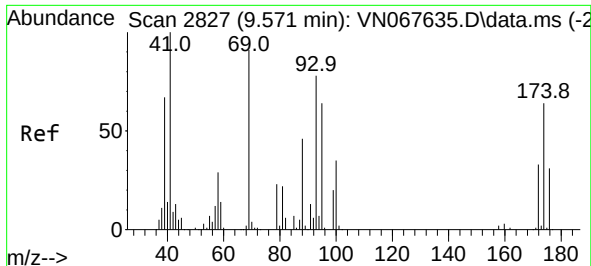
Tgt Ion: 63 Resp: 2727
Ion Ratio Lower Upper
63 100
65 0.0 24.3 36.5#



#48
Methyl methacrylate
Concen: 2.404 ug/l
RT: 9.545 min Scan# 2817
Delta R.T. -0.018 min
Lab File: VN067822.D
Acq: 20 Jul 2021 17:12

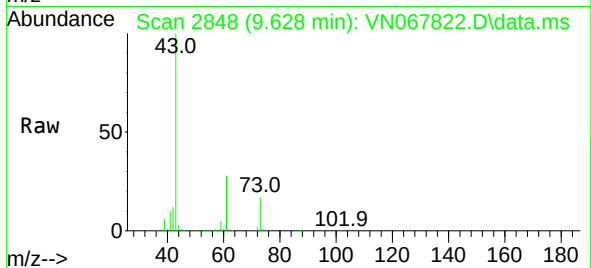
Tgt Ion: 41 Resp: 10336
Ion Ratio Lower Upper
41 100
69 0.0 64.6 96.8#
39 0.0 53.3 79.9#



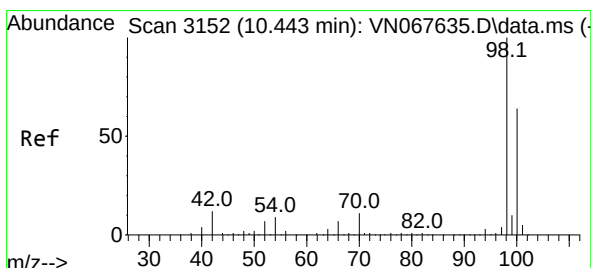
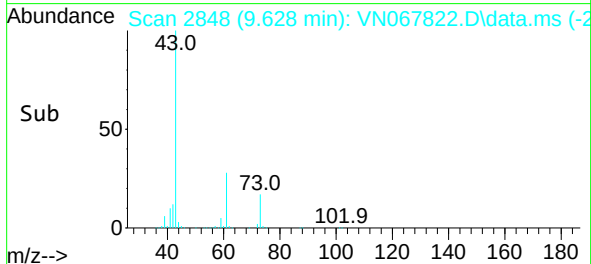
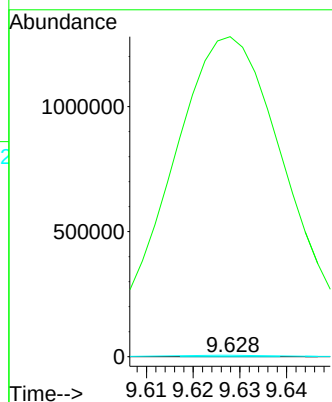


#49
1,4-Dioxane
Concen: 33.932 ug/l
RT: 9.628 min Scan# 2848
Delta R.T. 0.057 min
Lab File: VN067822.D
Acq: 20 Jul 2021 17:12

Instrument :
MSVOA_N
ClientSampled :

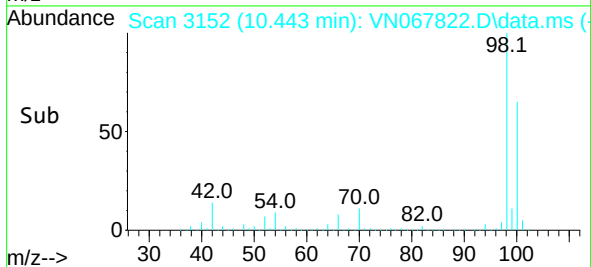
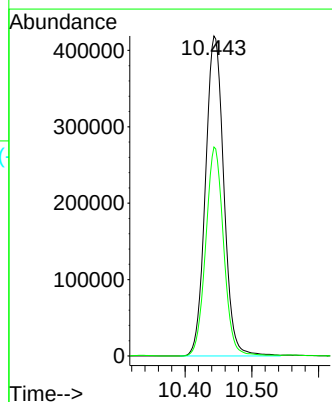
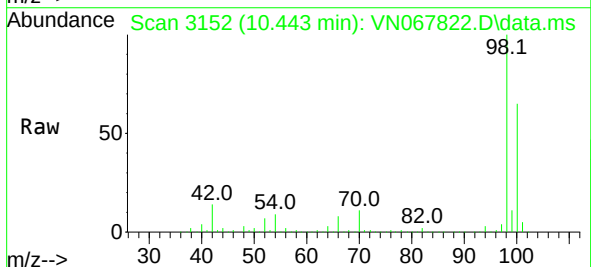


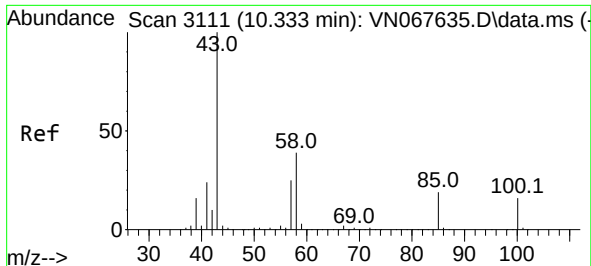
Tgt Ion: 88 Resp: 159
Ion Ratio Lower Upper
88 100
43 1499814.5 28.8 43.2#
58 6473.0 60.4 90.6#



#50
Toluene-d8
Concen: 51.548 ug/l
RT: 10.443 min Scan# 3152
Delta R.T. 0.000 min
Lab File: VN067822.D
Acq: 20 Jul 2021 17:12

Tgt Ion: 98 Resp: 800419
Ion Ratio Lower Upper
98 100
100 63.6 51.7 77.5

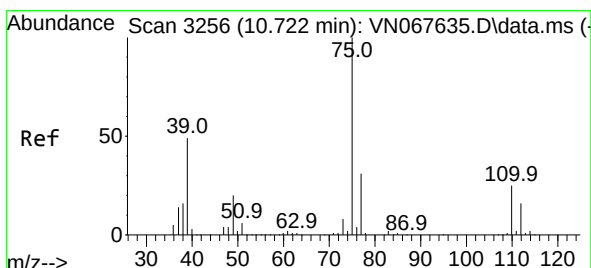
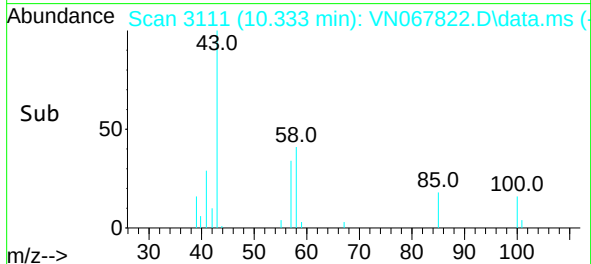
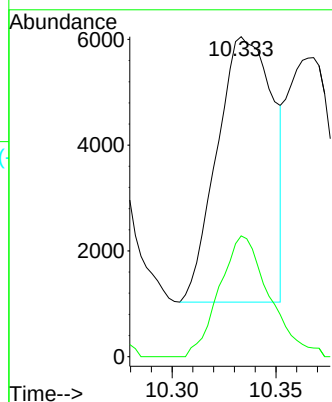
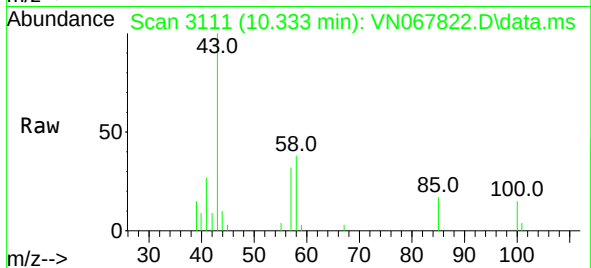




#51
4-Methyl-2-Pentanone
Concen: 1.579 ug/l
RT: 10.333 min Scan# 3111
Delta R.T. 0.000 min
Lab File: VN067822.D
Acq: 20 Jul 2021 17:12

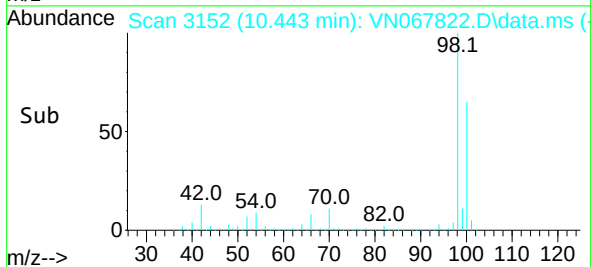
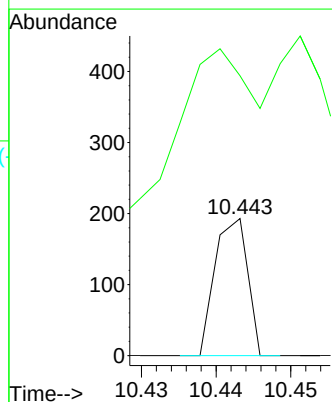
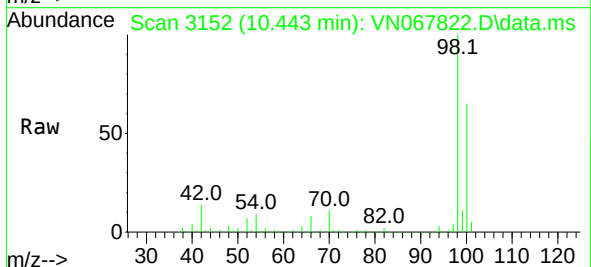
Instrument :
MSVOA_N
ClientSampled :

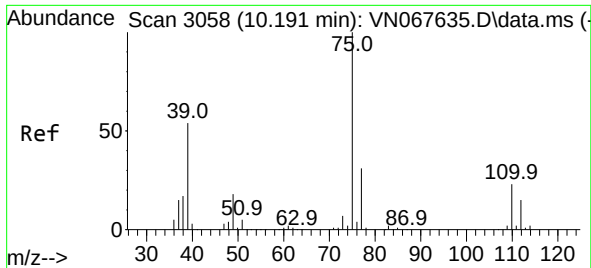
Tgt Ion: 43 Resp: 9430
Ion Ratio Lower Upper
43 100
58 40.5 28.6 43.0



#53
t-1,3-Dichloropropene
Concen: 1.752 ug/l
RT: 10.443 min Scan# 3152
Delta R.T. -0.279 min
Lab File: VN067822.D
Acq: 20 Jul 2021 17:12

Tgt Ion: 75 Resp: 58
Ion Ratio Lower Upper
75 100
77 34.7 25.1 37.7

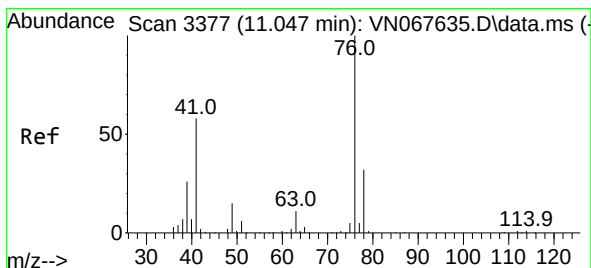
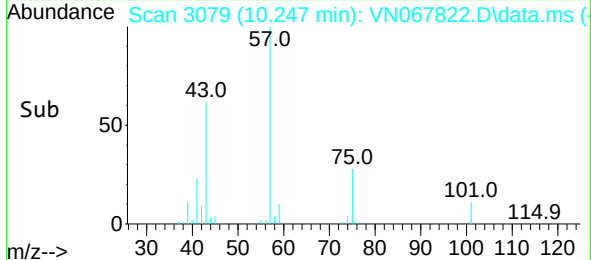
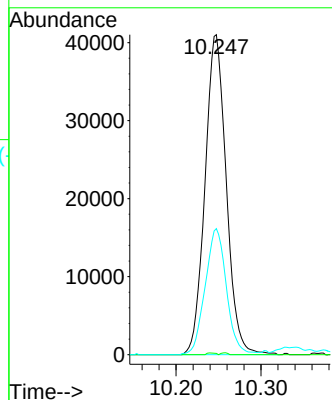
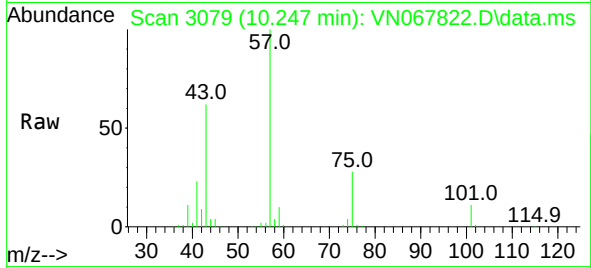




#54
cis-1,3-Dichloropropene
Concen: 10.698 ug/l
RT: 10.247 min Scan# 3079
Delta R.T. 0.056 min
Lab File: VN067822.D
Acq: 20 Jul 2021 17:12

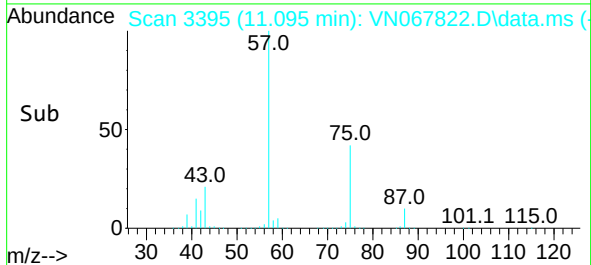
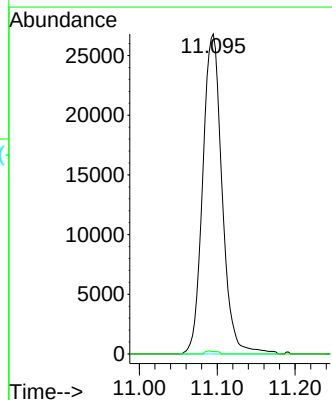
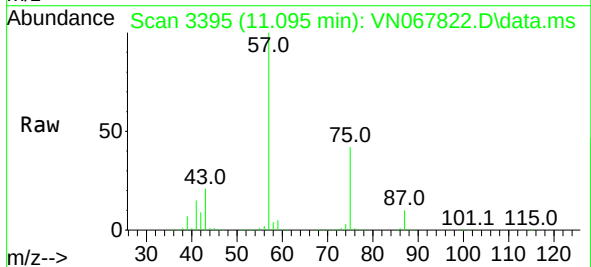
Instrument :
MSVOA_N
ClientSampleId :

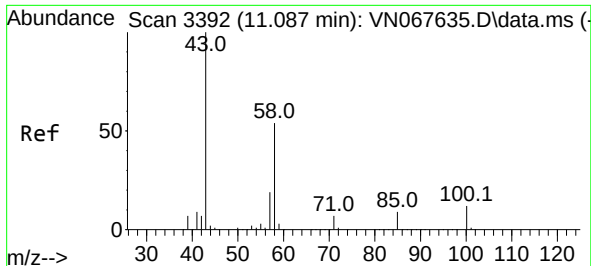
Tgt Ion: 75 Resp: 71337
Ion Ratio Lower Upper
75 100
77 0.4 24.6 37.0#
39 39.4 50.7 76.1#



#57
1,3-Dichloropropane
Concen: 6.324 ug/l
RT: 11.095 min Scan# 3395
Delta R.T. 0.048 min
Lab File: VN067822.D
Acq: 20 Jul 2021 17:12

Tgt Ion: 76 Resp: 46474
Ion Ratio Lower Upper
76 100
78 0.6 25.7 38.5#

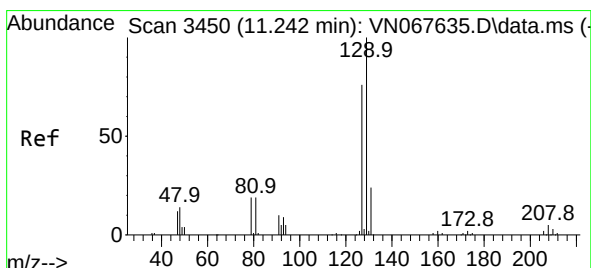
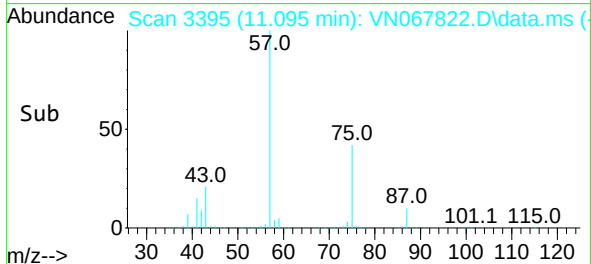
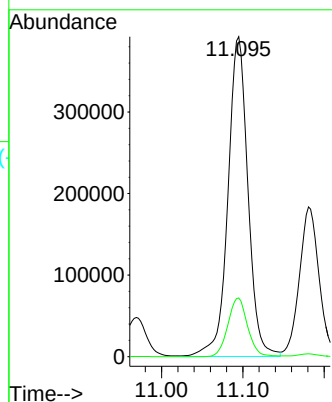
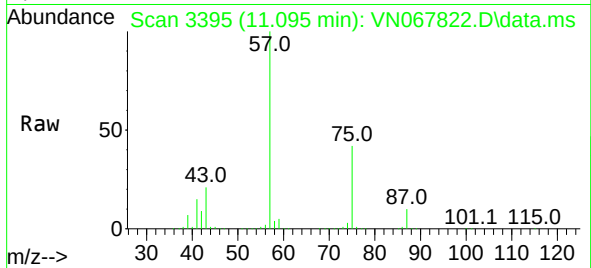




#59
2-Hexanone
Concen: 160.982 ug/l
RT: 11.095 min Scan# 3395
Delta R.T. 0.008 min
Lab File: VN067822.D
Acq: 20 Jul 2021 17:12

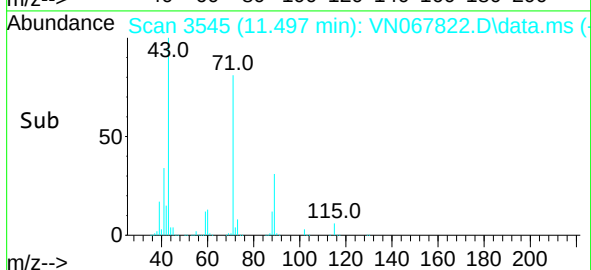
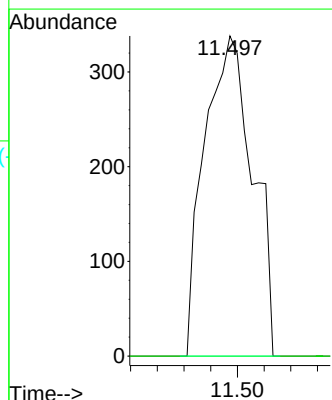
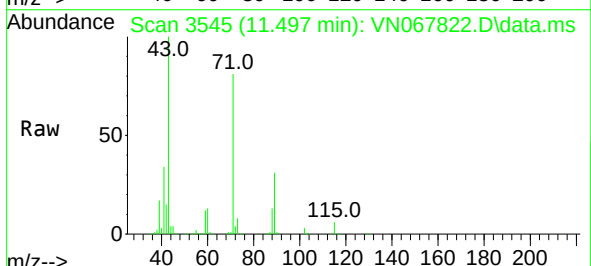
Instrument :
MSVOA_N
ClientSampled :

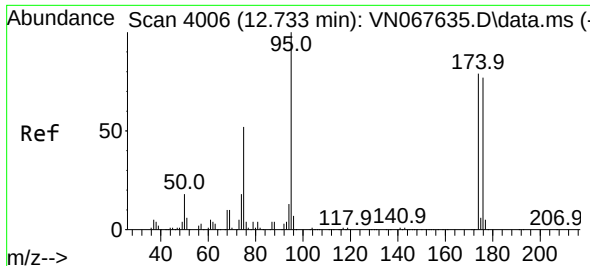
Tgt Ion: 43 Resp: 671053
Ion Ratio Lower Upper
43 100
58 18.1 24.7 74.1#



#60
Dibromochloromethane
Concen: 2.434 ug/l
RT: 11.497 min Scan# 3545
Delta R.T. 0.255 min
Lab File: VN067822.D
Acq: 20 Jul 2021 17:12

Tgt Ion:129 Resp: 424
Ion Ratio Lower Upper
129 100
127 0.0 38.6 115.8#

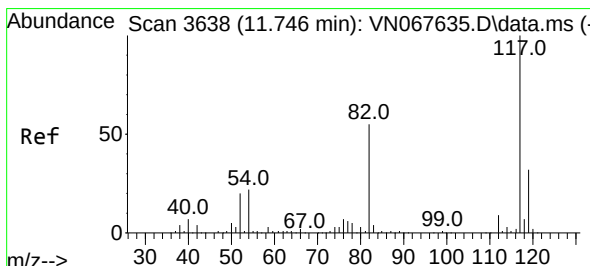
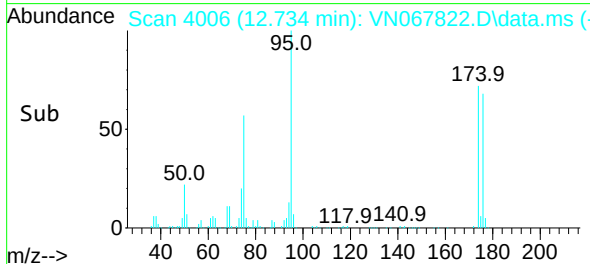
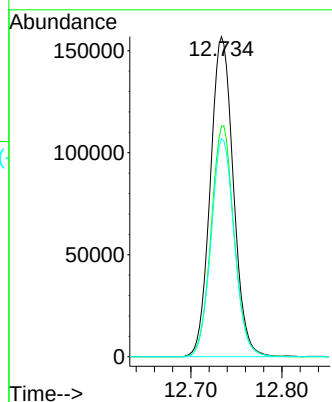
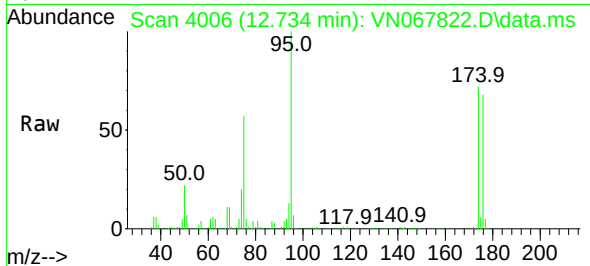




#62
4-Bromofluorobenzene
Concen: 50.221 ug/l
RT: 12.734 min Scan# 4006
Delta R.T. 0.001 min
Lab File: VN067822.D
Acq: 20 Jul 2021 17:12

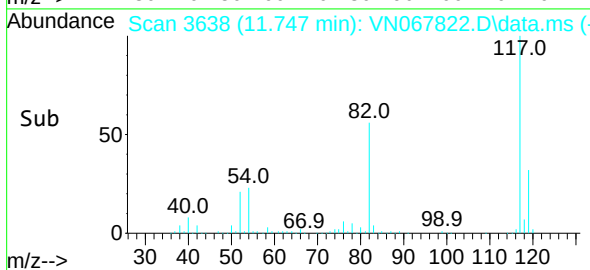
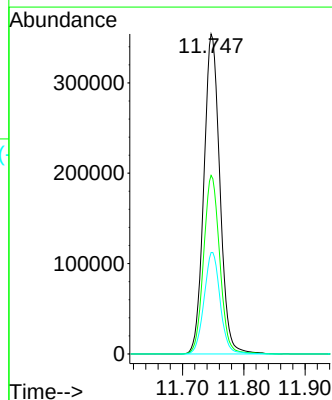
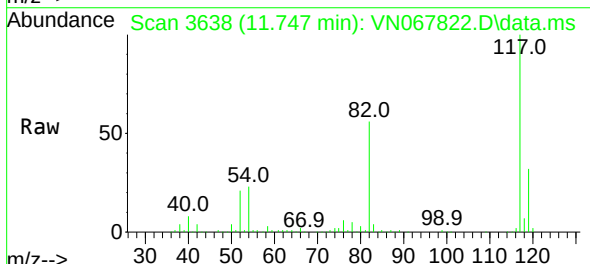
Instrument :
MSVOA_N
ClientSampleId :

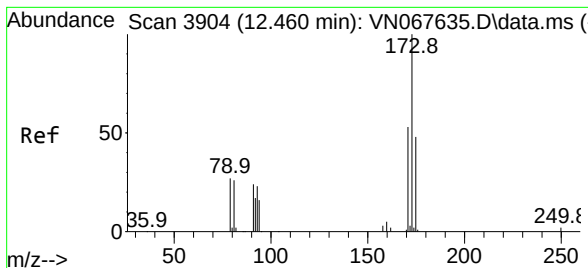
Tgt Ion: 95 Resp: 275474
Ion Ratio Lower Upper
95 100
174 72.2 0.0 122.0
176 68.6 0.0 117.6



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.747 min Scan# 3638
Delta R.T. 0.000 min
Lab File: VN067822.D
Acq: 20 Jul 2021 17:12

Tgt Ion: 117 Resp: 643251
Ion Ratio Lower Upper
117 100
82 55.8 53.1 79.7
119 31.7 25.5 38.3

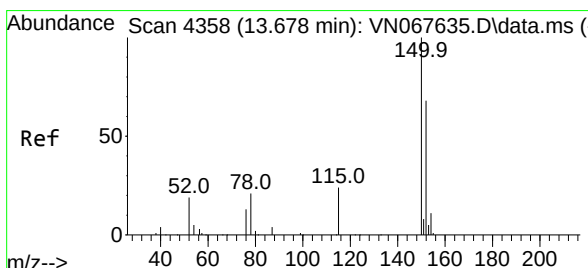
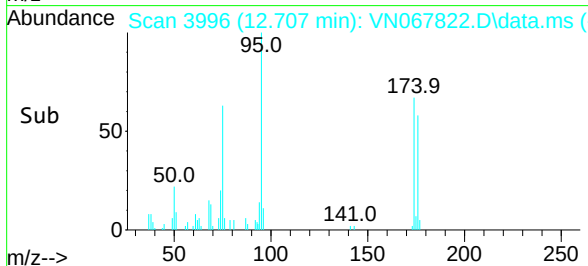
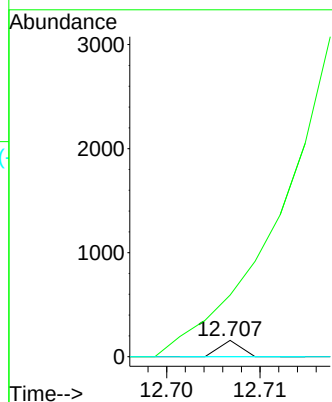
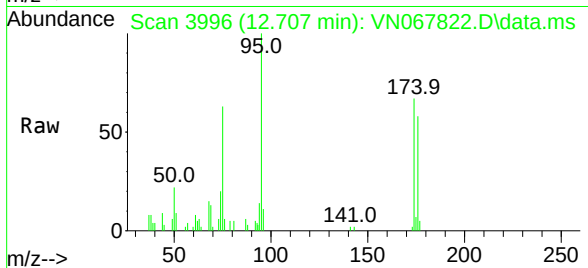




#71
Bromoform
Concen: 3.181 ug/l
RT: 12.707 min Scan# 3996
Delta R.T. 0.247 min
Lab File: VN067822.D
Acq: 20 Jul 2021 17:12

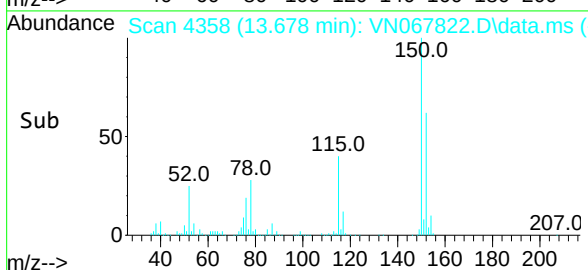
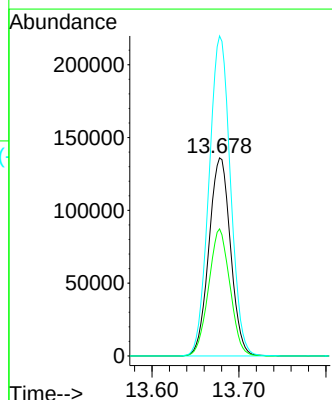
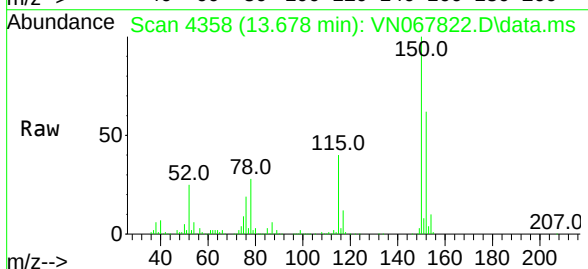
Instrument :
MSVOA_N
ClientSampled :

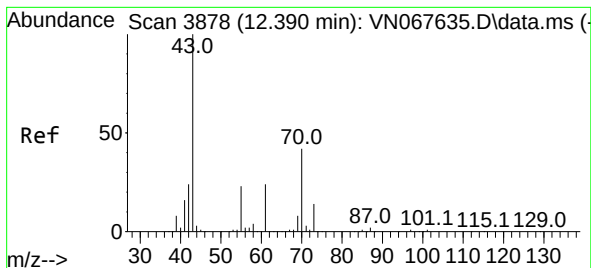
Tgt Ion:173 Resp: 25
Ion Ratio Lower Upper
173 100
175 0.0 23.9 71.8#
254 0.0 0.0 0.0



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.678 min Scan# 4358
Delta R.T. 0.000 min
Lab File: VN067822.D
Acq: 20 Jul 2021 17:12

Tgt Ion:152 Resp: 235126
Ion Ratio Lower Upper
152 100
115 63.2 36.1 108.5
150 160.6 0.0 351.8

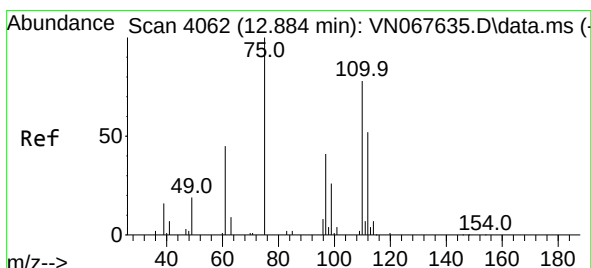
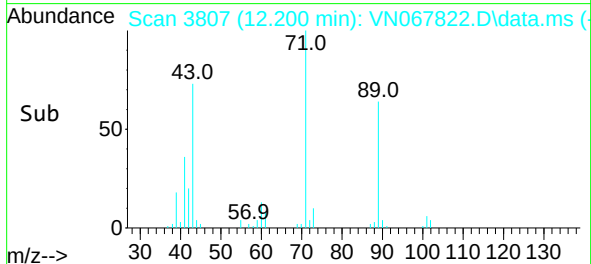
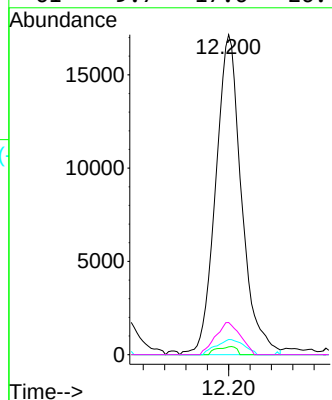
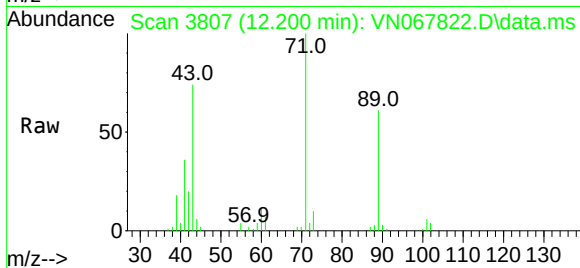




#74
N-amy1 acetate
Concen: 4.175 ug/l
RT: 12.200 min Scan# 3807
Delta R.T. -0.190 min
Lab File: VN067822.D
Acq: 20 Jul 2021 17:12

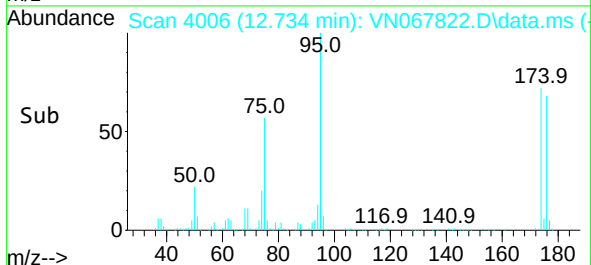
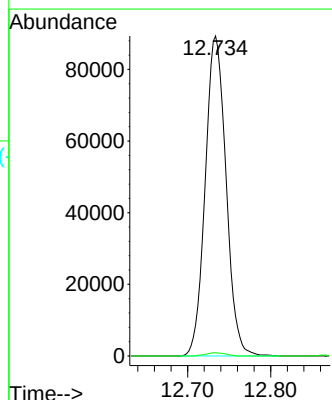
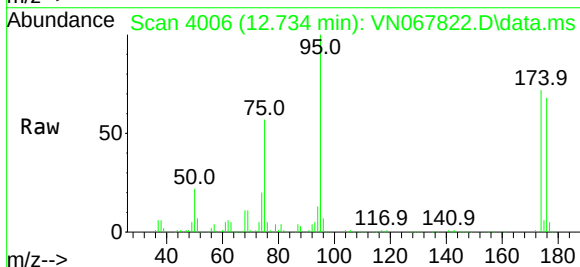
Instrument :
MSVOA_N
ClientSampleId :

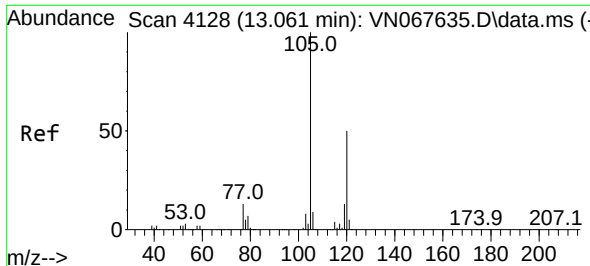
Tgt Ion:	43	Resp:	28735
Ion	Ratio	Lower	Upper
43	100		
70	1.9	29.4	44.2#
55	5.1	17.0	25.4#
61	9.7	17.6	26.4#



#76
1,2,3-Trichloropropane
Concen: 32.340 ug/l
RT: 12.734 min Scan# 4006
Delta R.T. -0.150 min
Lab File: VN067822.D
Acq: 20 Jul 2021 17:12

Tgt Ion:	75	Resp:	155289
Ion	Ratio	Lower	Upper
75	100		
77	0.9	0.0	0.0#

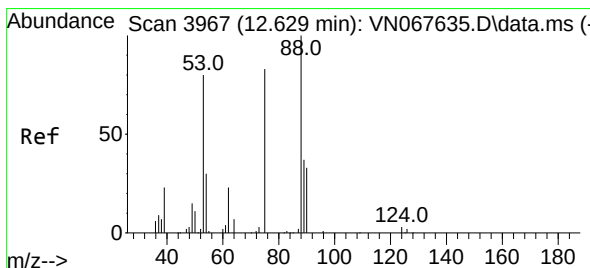
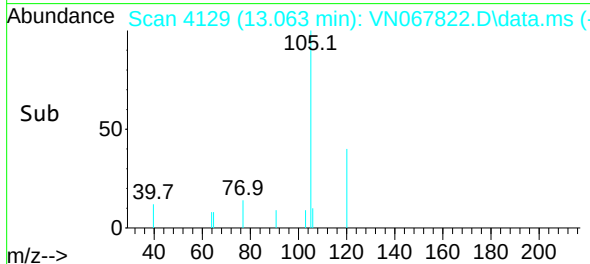
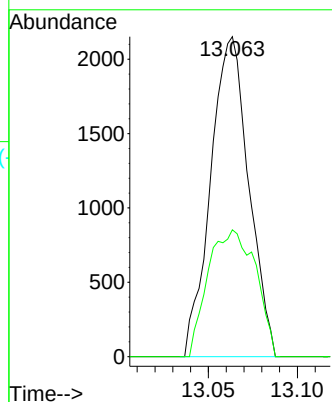
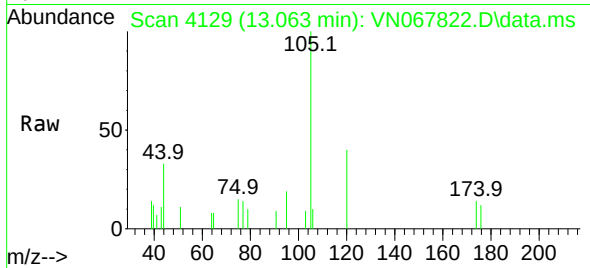




#80
1,3,5-Trimethylbenzene
Concen: 0.208 ug/l
RT: 13.063 min Scan# 4129
Delta R.T. 0.002 min
Lab File: VN067822.D
Acq: 20 Jul 2021 17:12

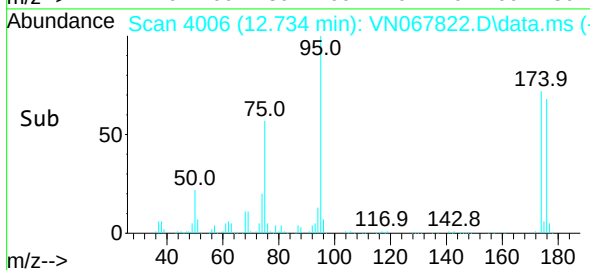
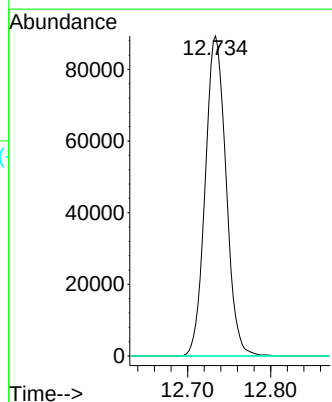
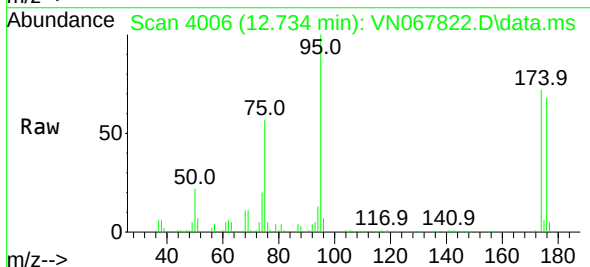
Instrument :
MSVOA_N
ClientSampled :

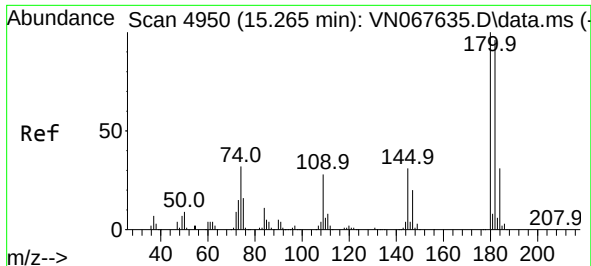
Tgt Ion:105 Resp: 3202
Ion Ratio Lower Upper
105 100
120 49.5 22.2 66.6



#81
trans-1,4-Dichloro-2-butene
Concen: 104.269 ug/l
RT: 12.734 min Scan# 4006
Delta R.T. 0.105 min
Lab File: VN067822.D
Acq: 20 Jul 2021 17:12

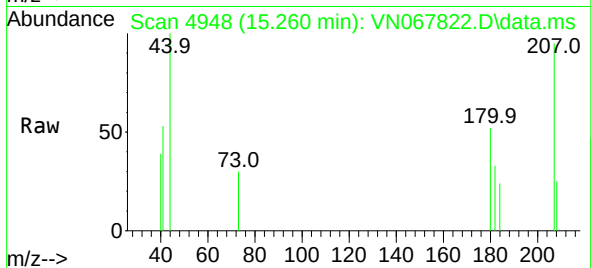
Tgt Ion: 75 Resp: 155289
Ion Ratio Lower Upper
75 100
53 0.0 87.6 131.4#
89 0.0 37.8 56.8#



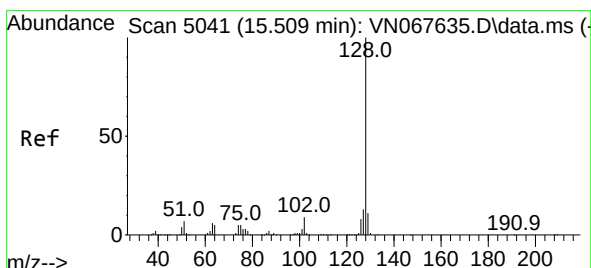
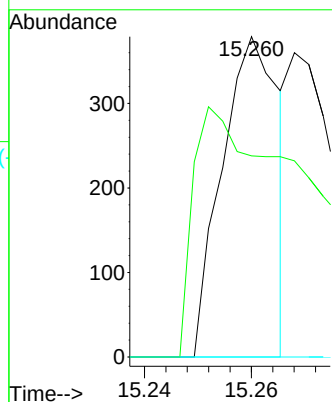
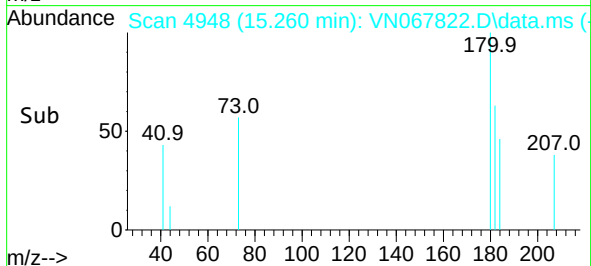


#93
1,2,4-Trichlorobenzene
Concen: 2.742 ug/l
RT: 15.260 min Scan# 4948
Delta R.T. -0.005 min
Lab File: VN067822.D
Acq: 20 Jul 2021 17:12

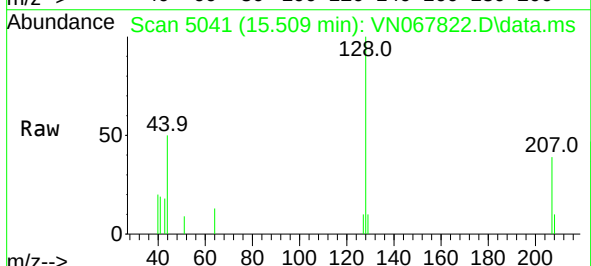
Instrument :
MSVOA_N
ClientSampleId :



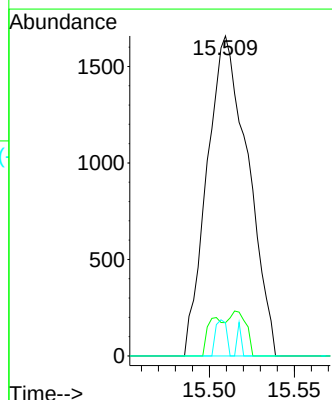
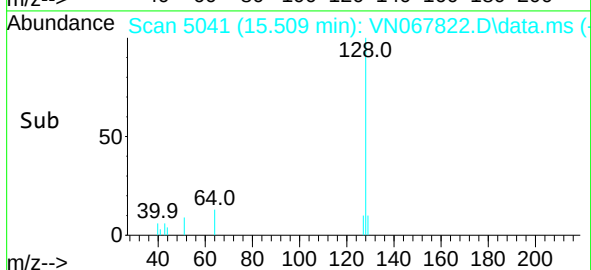
Tgt Ion:180 Resp: 279
Ion Ratio Lower Upper
180 100
182 177.1 47.5 142.5#
145 0.0 17.2 51.6#

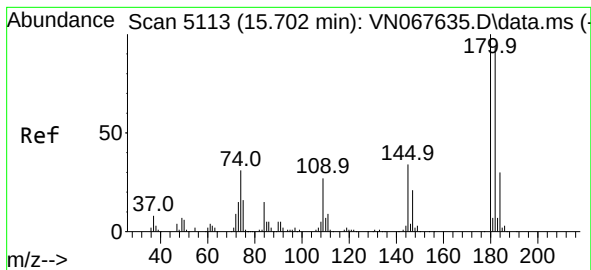


#95
Naphthalene
Concen: 3.239 ug/l
RT: 15.509 min Scan# 5041
Delta R.T. 0.000 min
Lab File: VN067822.D
Acq: 20 Jul 2021 17:12



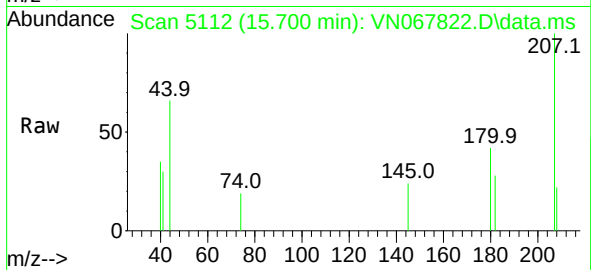
Tgt Ion:128 Resp: 2772
Ion Ratio Lower Upper
128 100
127 5.2 10.6 15.8#
129 3.0 8.6 12.8#





#96
 1,2,3-Trichlorobenzene
 Concen: 2.763 ug/l
 RT: 15.700 min Scan# 5112
 Delta R.T. -0.002 min
 Lab File: VN067822.D
 Acq: 20 Jul 2021 17:12

Instrument :
 MSVOA_N
 ClientSampleId :



Tgt Ion:180	Resp:	518
Ion	Ratio	Lower Upper
180	100	
182	52.3	47.8 143.3
145	24.9	18.2 54.6

