

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN081721\
 Data File : VN068147.D
 Acq On : 17 Aug 2021 16:53
 Operator : JC/MD
 Sample : M3408-15
 Misc : 5.00mL/MSVOA_N/WATER
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 34N

Quant Time: Aug 17 17:23:36 2021
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N081721W.M
 Quant Title : SW846 8260
 QLast Update : Tue Aug 17 13:09:49 2021
 Response via : Initial Calibration

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

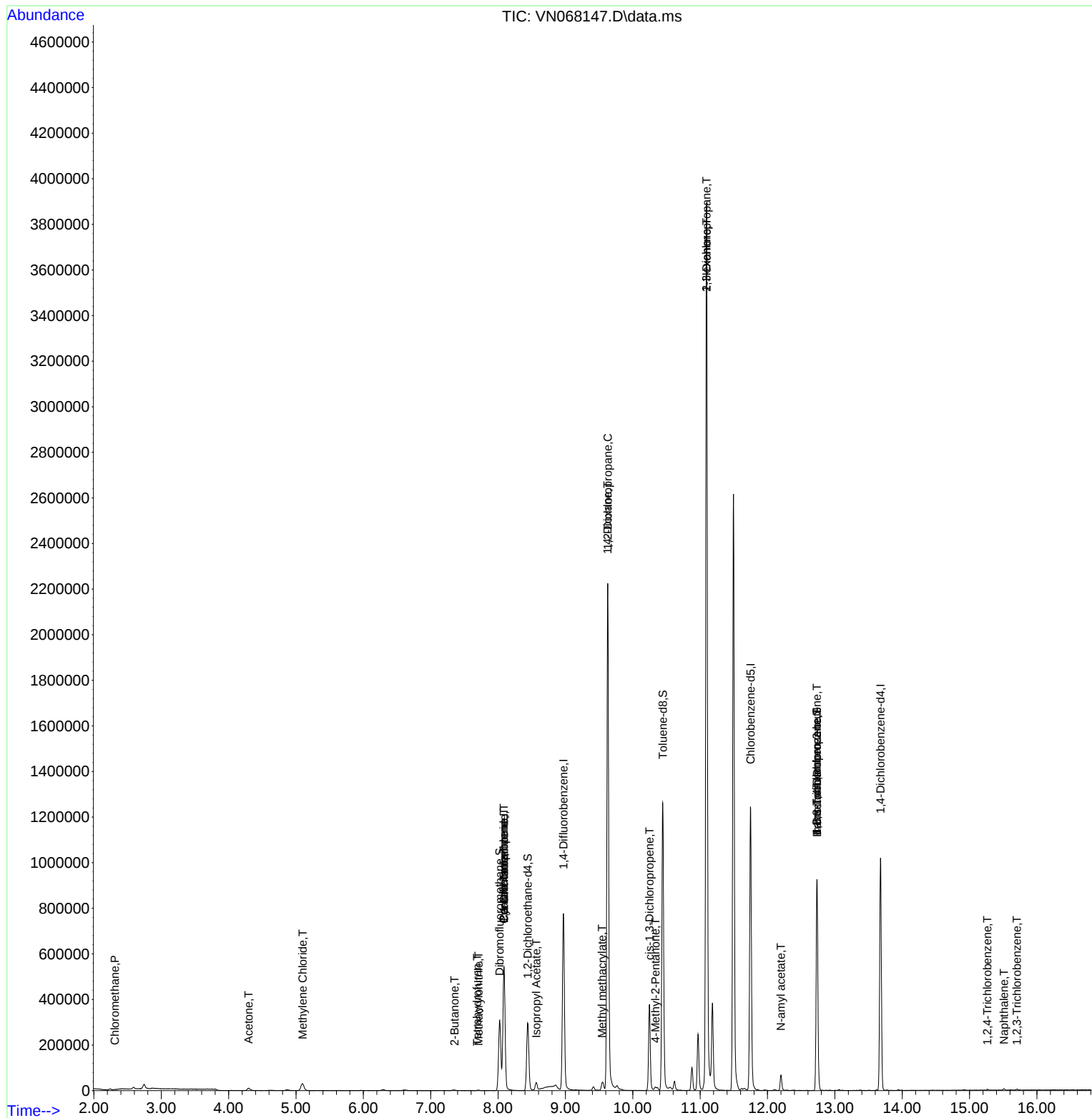
Internal Standards						
1) Pentafluorobenzene	8.088	168	449756	50.000	ug/l	# 0.00
34) 1,4-Difluorobenzene	8.971	114	746178	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.749	117	814301	50.000	ug/l	# 0.00
72) 1,4-Dichlorobenzene-d4	13.678	152	303922	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.440	65	251288	52.328	ug/l	0.00
Spiked Amount	50.000	Range 61 - 141	Recovery	= 104.660%		
35) Dibromofluoromethane	8.024	113	224678	47.960	ug/l	0.00
Spiked Amount	50.000	Range 69 - 133	Recovery	= 95.920%		
50) Toluene-d8	10.446	98	941947	52.769	ug/l	0.00
Spiked Amount	50.000	Range 65 - 126	Recovery	= 105.540%		
62) 4-Bromofluorobenzene	12.734	95	315252	53.052	ug/l	0.00
Spiked Amount	50.000	Range 58 - 135	Recovery	= 106.100%		
Target Compounds						
						Qvalue
3) Chloromethane	2.309	50	820	0.204	ug/l	# 80
5) Bromomethane	2.848	94	163	Below Cal	#	62
6) Chloroethane	3.226	64	51	Below Cal	#	44
13) Acrolein	4.033	56	79	Below Cal	#	1
16) Acetone	4.296	43	19907	14.198	ug/l	99
18) Methyl Acetate	4.859	43	2689	Below Cal		92
20) Methylene Chloride	5.098	84	26467	4.905	ug/l	# 79
25) 2-Butanone	7.354	43	3628	1.660	ug/l	# 86
29) Tetrahydrofuran	7.691	42	467	0.334	ug/l	# 87
31) Cyclohexane	8.086	56	8042	1.271	ug/l	# 1
36) 1,1-Dichloropropene	8.088	75	29667	4.864	ug/l	# 53
38) Carbon Tetrachloride	8.088	117	41793	5.941	ug/l	# 17
41) Methacrylonitrile	7.710	41	643	0.271	ug/l	# 37
43) Isopropyl Acetate	8.568	43	39664	4.765	ug/l	# 90
45) 1,2-Dichloropropane	9.630	63	2931	0.669	ug/l	# 44
48) Methyl methacrylate	9.545	41	9670	2.788	ug/l	# 12
49) 1,4-Dioxane	9.625	88	206	2.457	ug/l	# 1
51) 4-Methyl-2-Pentanone	10.336	43	7032	1.375	ug/l	# 77
54) cis-1,3-Dichloropropene	10.247	75	75214	10.647	ug/l	# 55
57) 1,3-Dichloropropane	11.095	76	46181	5.912	ug/l	# 43
59) 2-Hexanone	11.095	43	564037	158.865	ug/l	# 57
71) Bromoform	12.736	173	1521	0.302	ug/l	# 1
74) N-amyl acetate	12.197	43	21391	3.801	ug/l	# 56
76) 1,2,3-Trichloropropane	12.734	75	158445	31.366	ug/l	# 100
81) trans-1,4-Dichloro-2-b...	12.734	75	158445	102.760	ug/l	# 6
93) 1,2,4-Trichlorobenzene	15.263	180	1486	2.962	ug/l	# 61
95) Naphthalene	15.509	128	5997	3.813	ug/l	# 92
96) 1,2,3-Trichlorobenzene	15.702	180	1655	3.156	ug/l	# 86

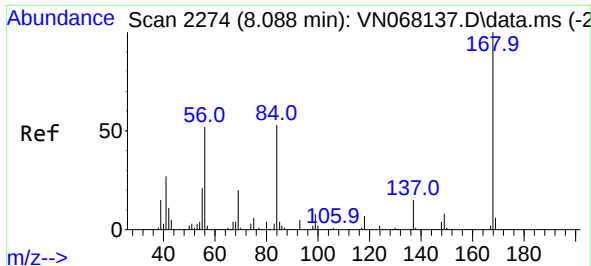
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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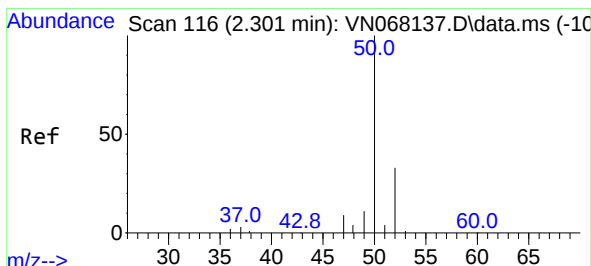
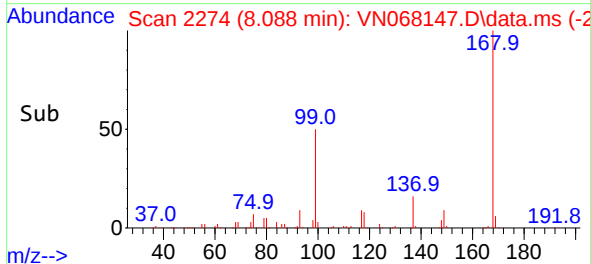
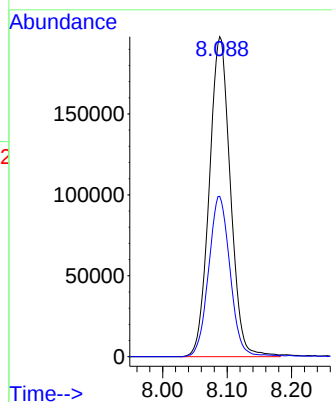
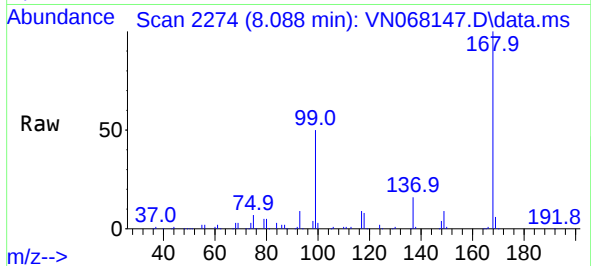




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.088 min Scan# 2274
Delta R.T. 0.000 min
Lab File: VN068147.D
Acq: 17 Aug 2021 16:53

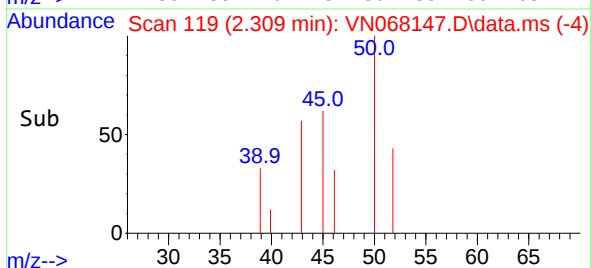
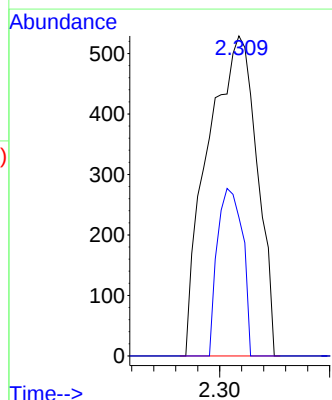
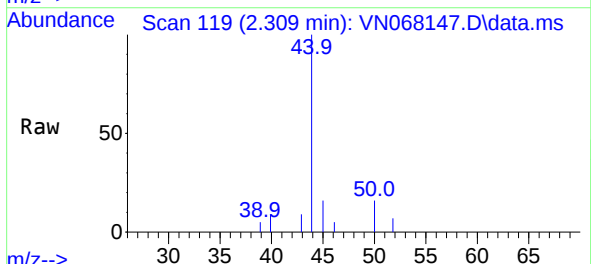
Instrument :
MSVOA_N
ClientSampled :
34N

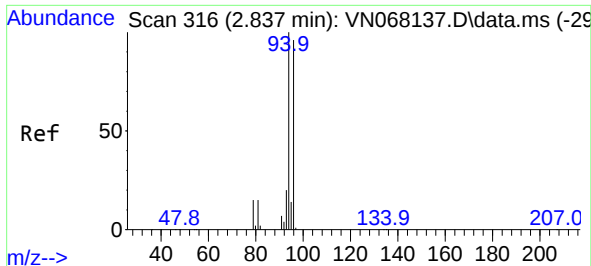
Tgt Ion:168 Resp: 449756
Ion Ratio Lower Upper
168 100
99 50.1 62.9 94.3#



#3
Chloromethane
Concen: 0.204 ug/l
RT: 2.309 min Scan# 119
Delta R.T. 0.008 min
Lab File: VN068147.D
Acq: 17 Aug 2021 16:53

Tgt Ion: 50 Resp: 820
Ion Ratio Lower Upper
50 100
52 43.3 25.6 38.4#

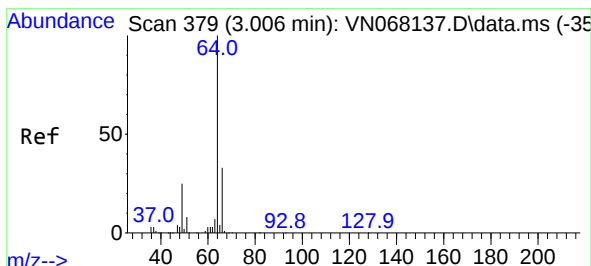
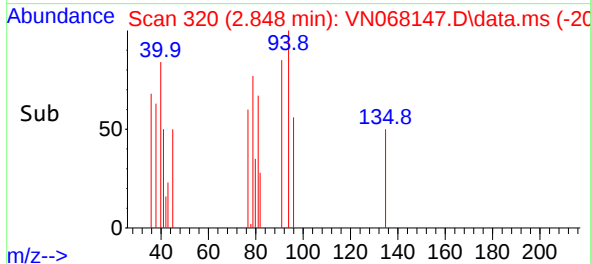
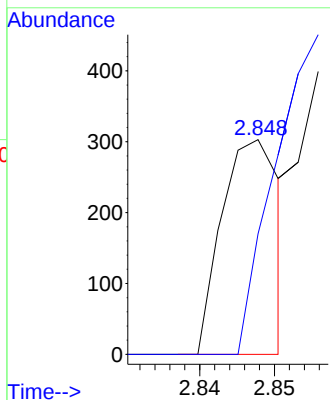
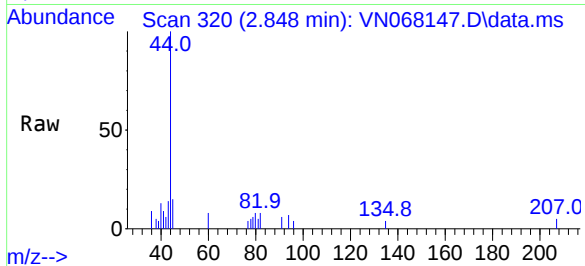




#5
Bromomethane
Concen: Below Cal
RT: 2.848 min Scan# 320
Delta R.T. 0.011 min
Lab File: VN068147.D
Acq: 17 Aug 2021 16:53

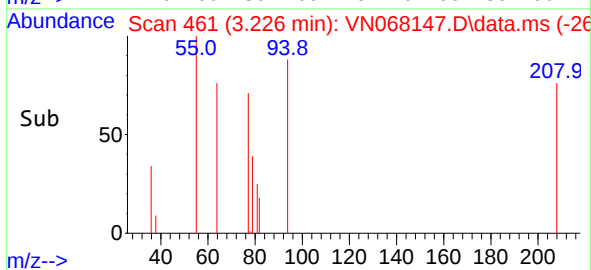
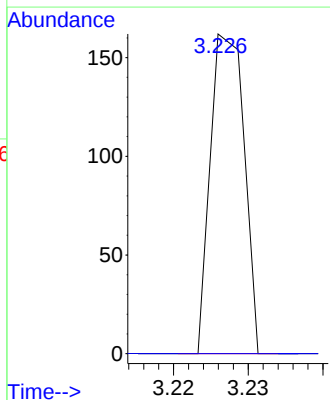
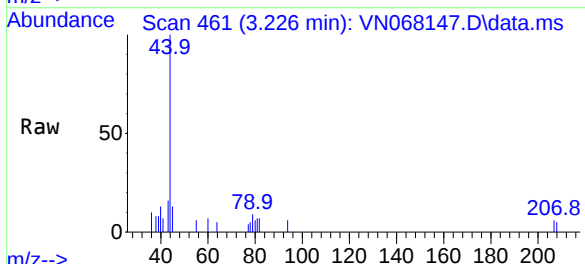
Instrument :
MSVOA_N
ClientSampleId :
34N

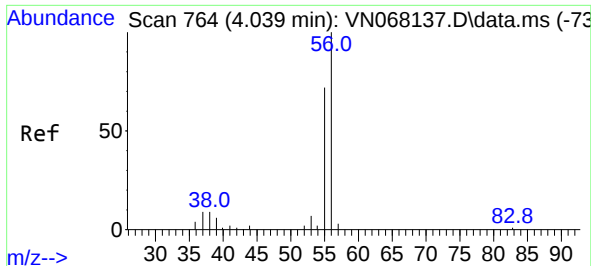
Tgt Ion: 94 Resp: 163
Ion Ratio Lower Upper
94 100
96 56.1 73.7 110.5#



#6
Chloroethane
Concen: Below Cal
RT: 3.226 min Scan# 461
Delta R.T. 0.220 min
Lab File: VN068147.D
Acq: 17 Aug 2021 16:53

Tgt Ion: 64 Resp: 51
Ion Ratio Lower Upper
64 100
66 0.0 24.7 37.1#

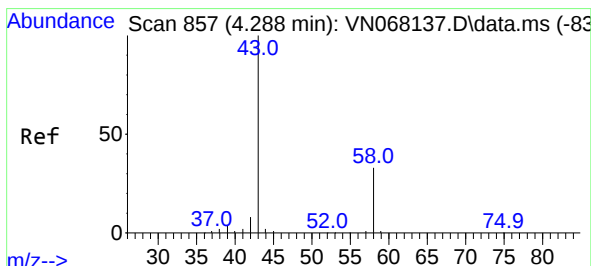
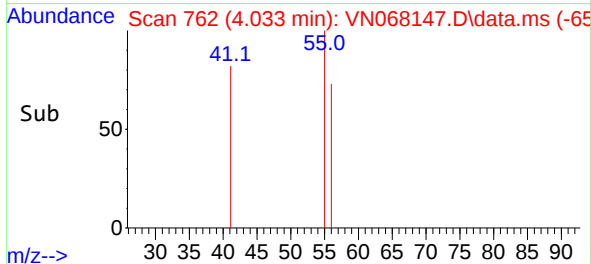
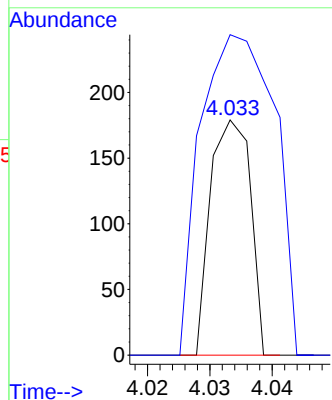
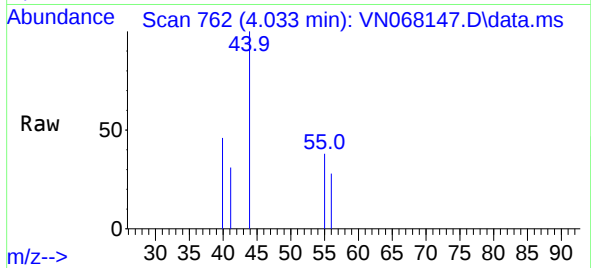




#13
Acrolein
Concen: Below Cal
RT: 4.033 min Scan# 762
Delta R.T. -0.006 min
Lab File: VN068147.D
Acq: 17 Aug 2021 16:53

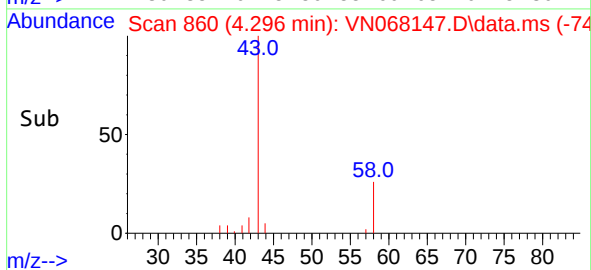
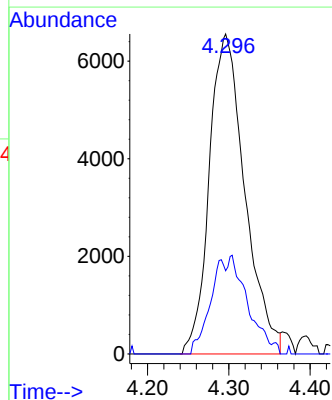
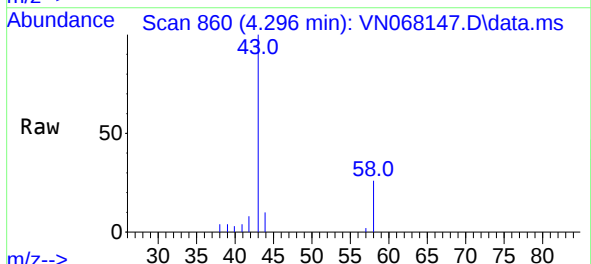
Instrument :
MSVOA_N
ClientSampleId :
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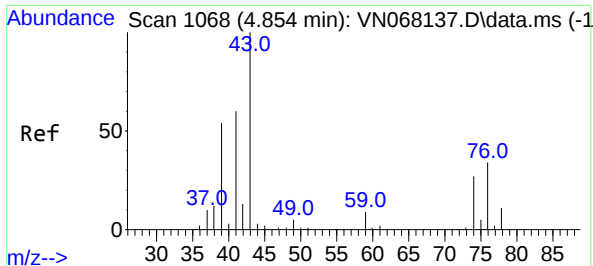
Tgt Ion: 56 Resp: 79
Ion Ratio Lower Upper
56 100
55 255.7 57.4 86.0#



#16
Acetone
Concen: 14.198 ug/l
RT: 4.296 min Scan# 860
Delta R.T. 0.008 min
Lab File: VN068147.D
Acq: 17 Aug 2021 16:53

Tgt Ion: 43 Resp: 19907
Ion Ratio Lower Upper
43 100
58 26.0 21.2 31.8

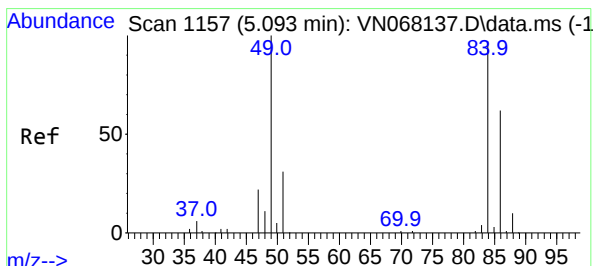
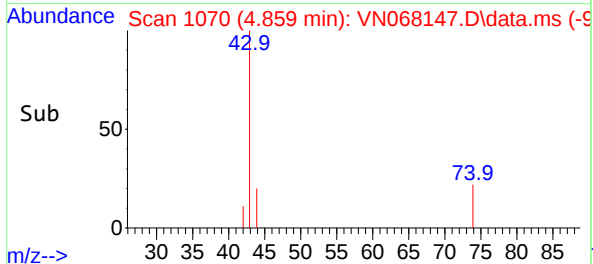
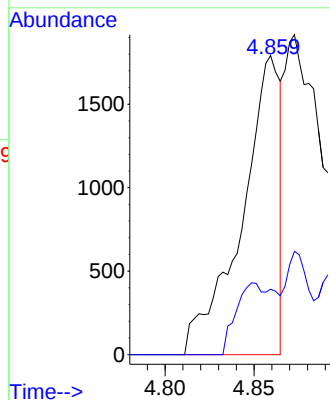
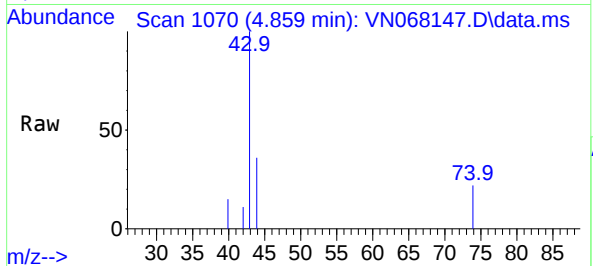




#18
Methyl Acetate
Concen: Below Cal
RT: 4.859 min Scan# 1070
Delta R.T. 0.005 min
Lab File: VN068147.D
Acq: 17 Aug 2021 16:53

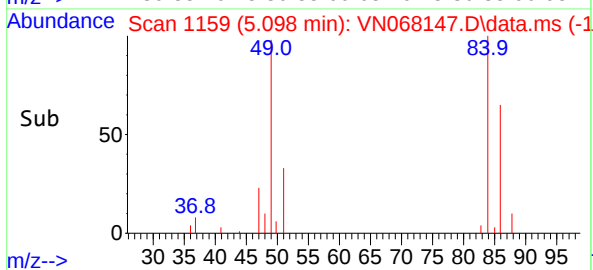
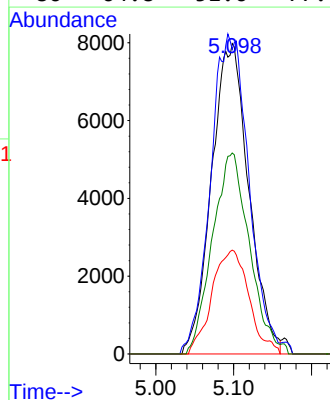
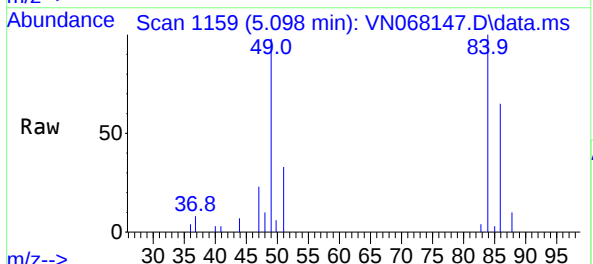
Instrument :
MSVOA_N
ClientSampled :
34N

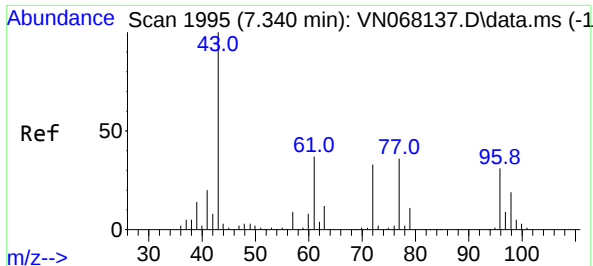
Tgt Ion: 43 Resp: 2689
Ion Ratio Lower Upper
43 100
74 18.0 17.4 26.0



#20
Methylene Chloride
Concen: 4.905 ug/l
RT: 5.098 min Scan# 1159
Delta R.T. 0.005 min
Lab File: VN068147.D
Acq: 17 Aug 2021 16:53

Tgt Ion: 84 Resp: 26467
Ion Ratio Lower Upper
84 100
49 98.1 110.9 166.3#
51 33.5 32.6 49.0
86 64.8 51.6 77.4

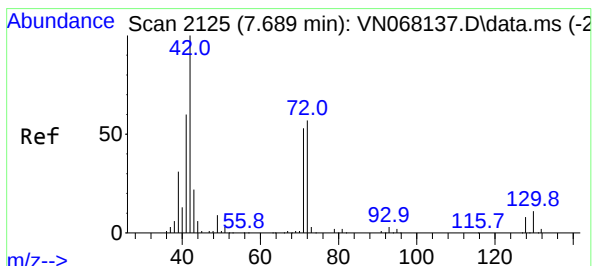
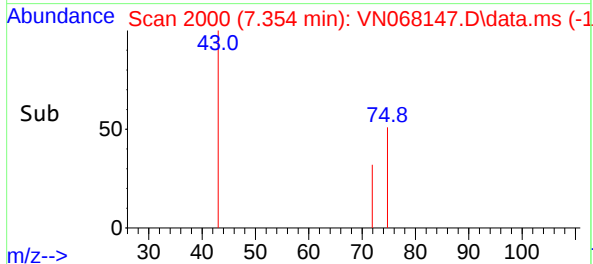
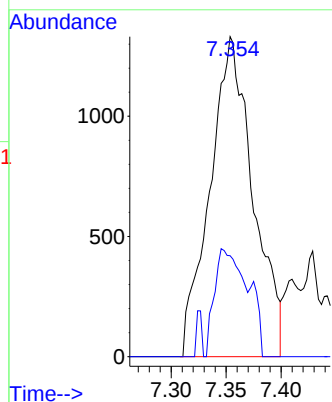
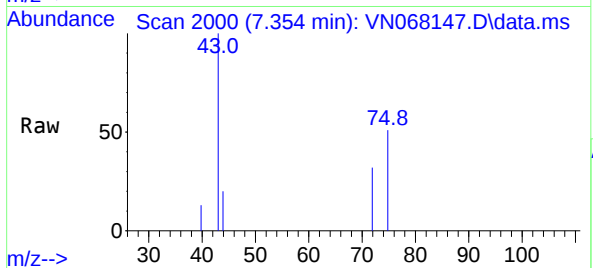




#25
2-Butanone
Concen: 1.660 ug/l
RT: 7.354 min Scan# 2000
Delta R.T. 0.014 min
Lab File: VN068147.D
Acq: 17 Aug 2021 16:53

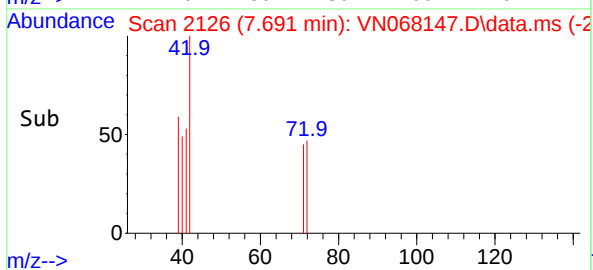
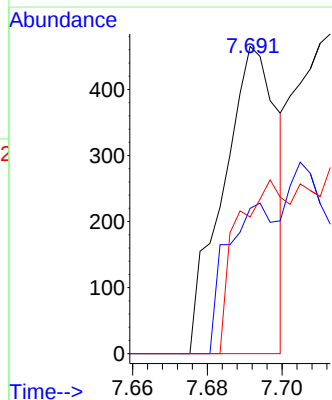
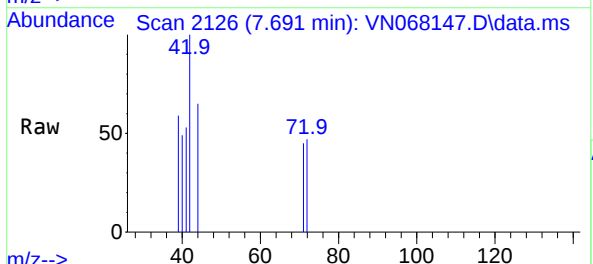
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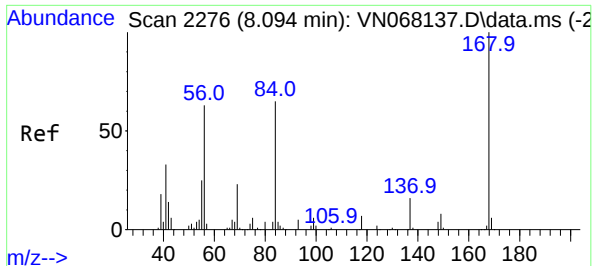
Tgt Ion: 43 Resp: 3628
Ion Ratio Lower Upper
43 100
72 31.6 19.7 29.5#



#29
Tetrahydrofuran
Concen: 0.334 ug/l
RT: 7.691 min Scan# 2126
Delta R.T. 0.002 min
Lab File: VN068147.D
Acq: 17 Aug 2021 16:53

Tgt Ion: 42 Resp: 467
Ion Ratio Lower Upper
42 100
72 40.0 32.8 49.2
71 54.0 31.2 46.8#

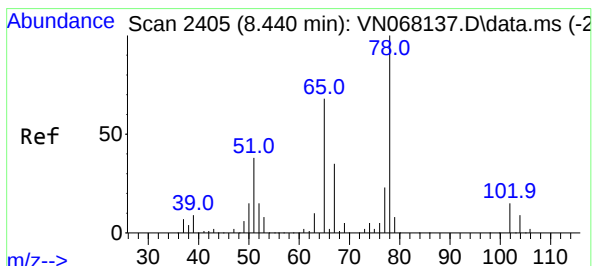
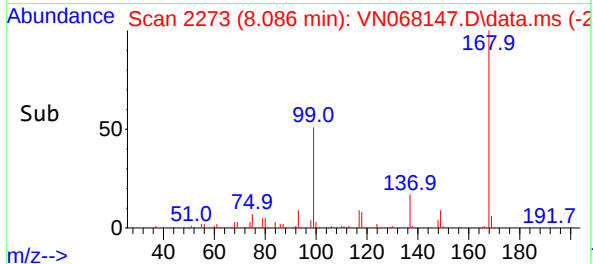
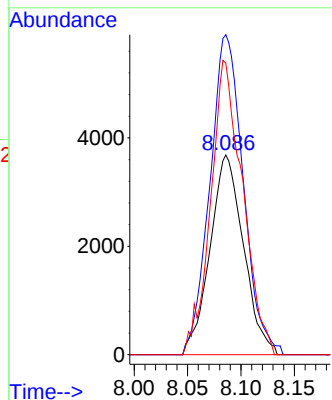
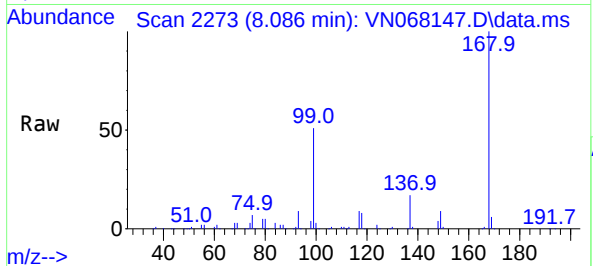




#31
Cyclohexane
Concen: 1.271 ug/l
RT: 8.086 min Scan# 2273
Delta R.T. -0.008 min
Lab File: VN068147.D
Acq: 17 Aug 2021 16:53

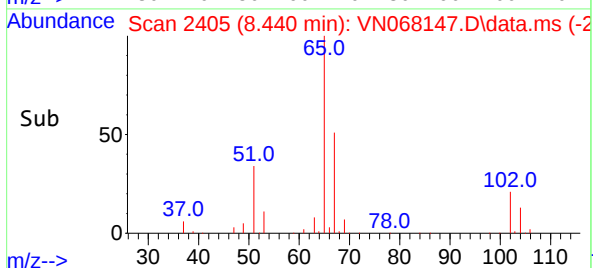
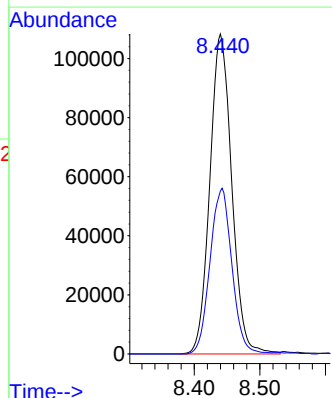
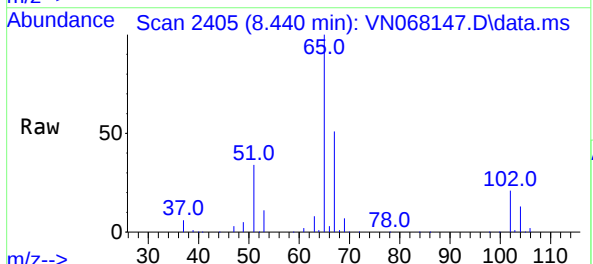
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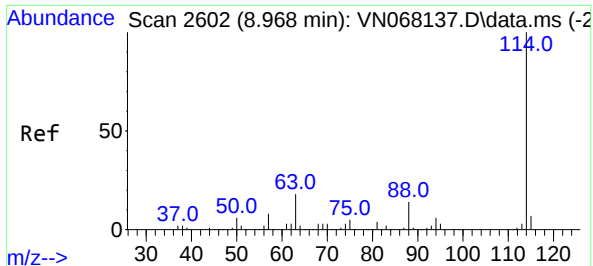
Tgt Ion: 56 Resp: 8042
Ion Ratio Lower Upper
56 100
69 160.3 27.3 40.9#
84 146.0 64.9 97.3#



#33
1,2-Dichloroethane-d4
Concen: 52.328 ug/l
RT: 8.440 min Scan# 2405
Delta R.T. -0.000 min
Lab File: VN068147.D
Acq: 17 Aug 2021 16:53

Tgt Ion: 65 Resp: 251288
Ion Ratio Lower Upper
65 100
67 51.7 0.0 98.6

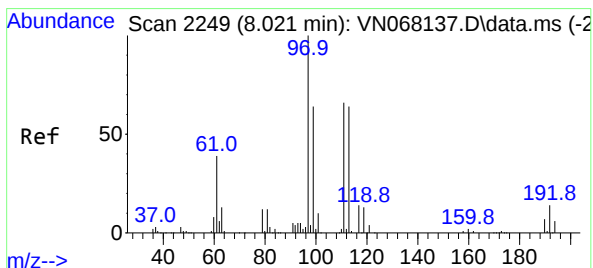
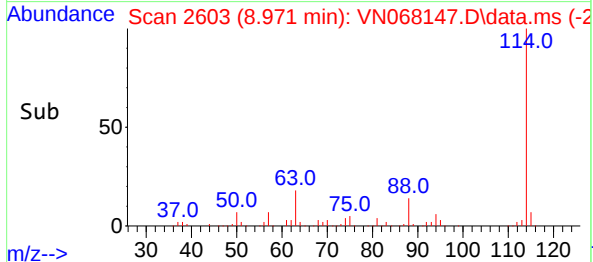
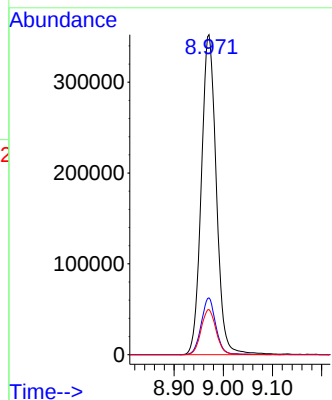
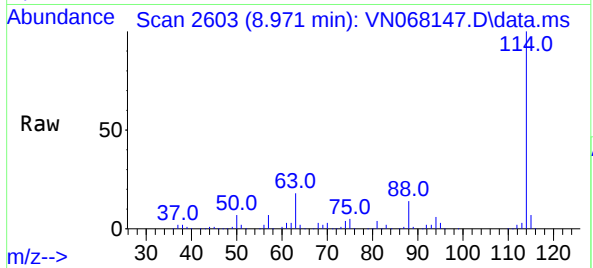




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.971 min Scan# 2603
Delta R.T. 0.003 min
Lab File: VN068147.D
Acq: 17 Aug 2021 16:53

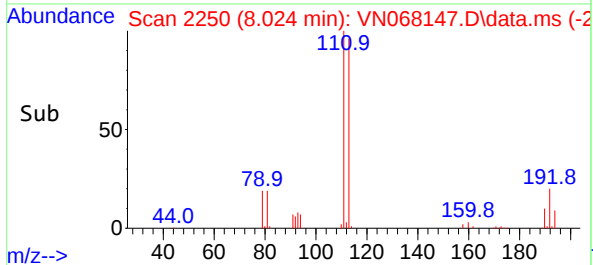
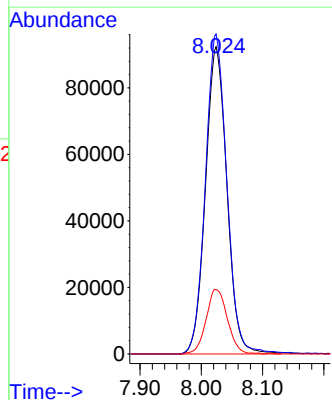
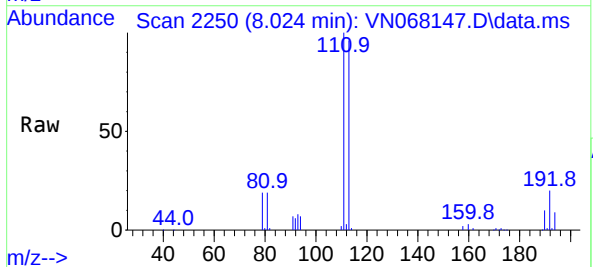
Instrument :
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ClientSampled :
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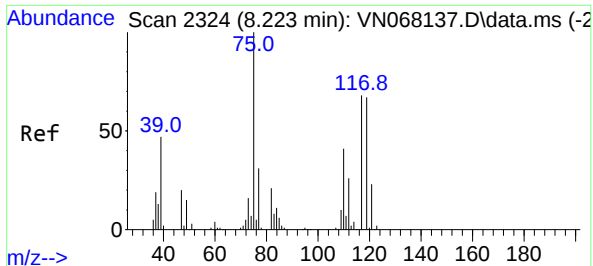
Tgt Ion:114 Resp: 746178
Ion Ratio Lower Upper
114 100
63 17.8 0.0 49.0
88 14.1 0.0 36.6



#35
Dibromofluoromethane
Concen: 47.960 ug/l
RT: 8.024 min Scan# 2250
Delta R.T. 0.003 min
Lab File: VN068147.D
Acq: 17 Aug 2021 16:53

Tgt Ion:113 Resp: 224678
Ion Ratio Lower Upper
113 100
111 104.3 83.8 125.8
192 20.8 13.4 20.0#

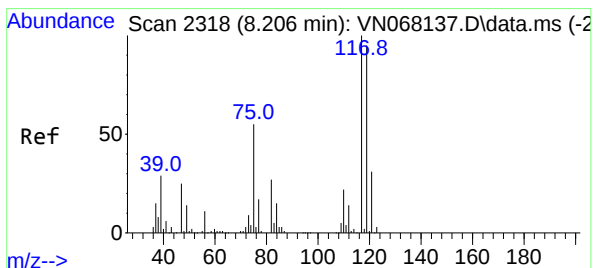
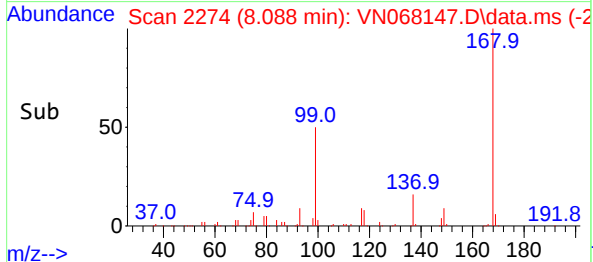
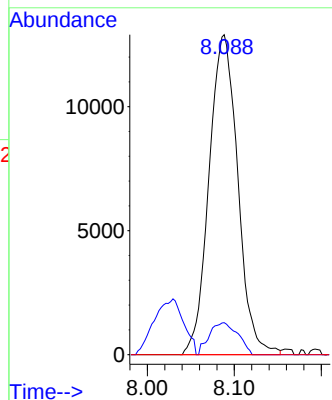
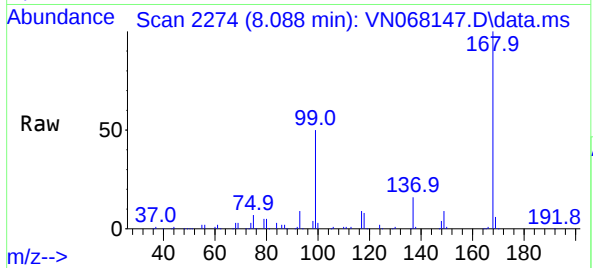




#36
1,1-Dichloropropene
Concen: 4.864 ug/l
RT: 8.088 min Scan# 2274
Delta R.T. -0.135 min
Lab File: VN068147.D
Acq: 17 Aug 2021 16:53

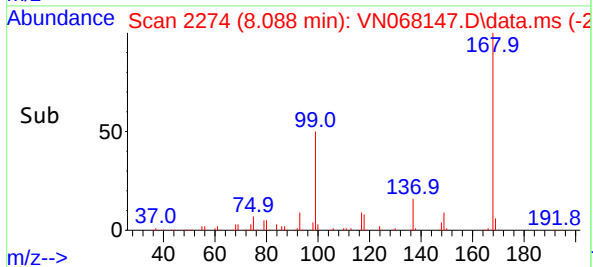
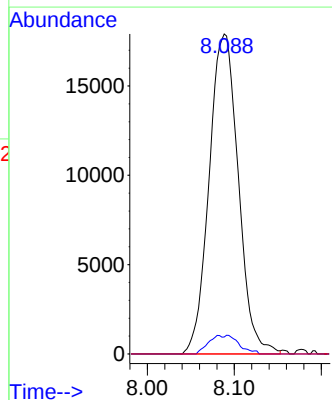
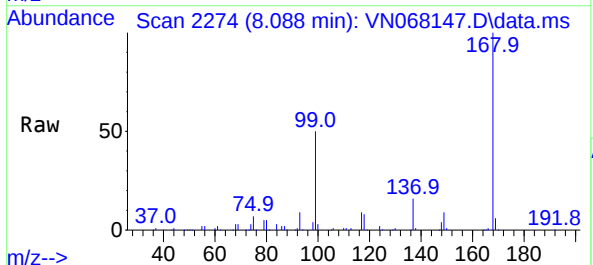
Instrument :
MSVOA_N
ClientSampled :
34N

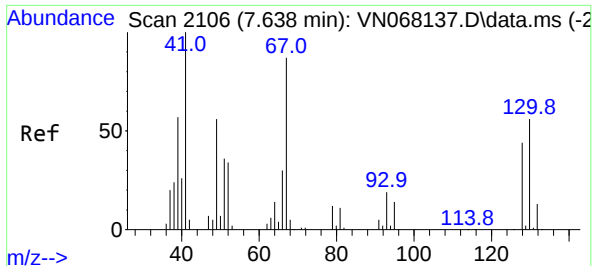
Tgt Ion: 75 Resp: 29667
Ion Ratio Lower Upper
75 100
110 9.9 15.7 47.0#
77 0.0 24.6 37.0#



#38
Carbon Tetrachloride
Concen: 5.941 ug/l
RT: 8.088 min Scan# 2274
Delta R.T. -0.118 min
Lab File: VN068147.D
Acq: 17 Aug 2021 16:53

Tgt Ion: 117 Resp: 41793
Ion Ratio Lower Upper
117 100
119 5.3 75.4 113.2#
121 0.0 23.5 35.3#

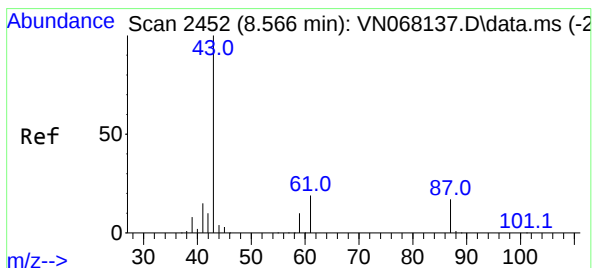
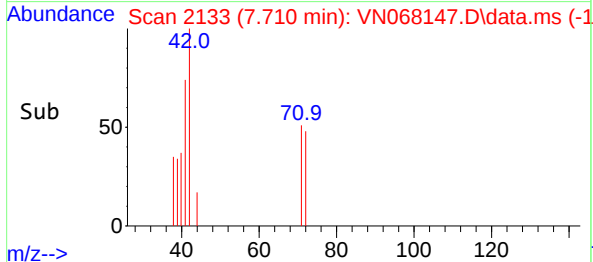
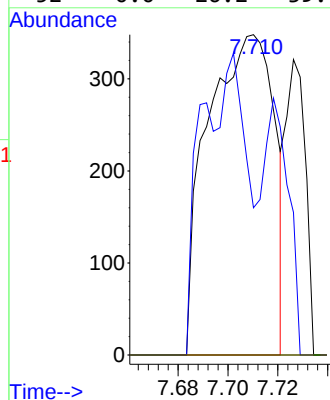
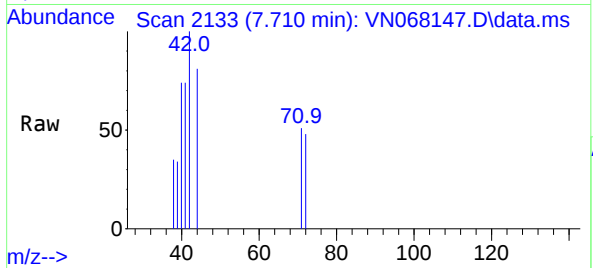




#41
Methacrylonitrile
Concen: 0.271 ug/l
RT: 7.710 min Scan# 2133
Delta R.T. 0.072 min
Lab File: VN068147.D
Acq: 17 Aug 2021 16:53

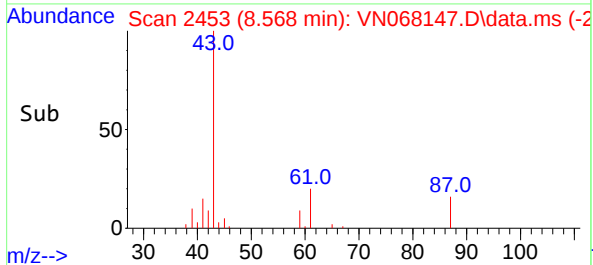
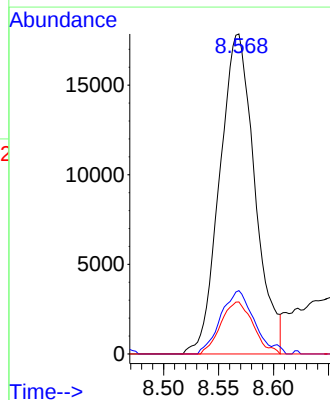
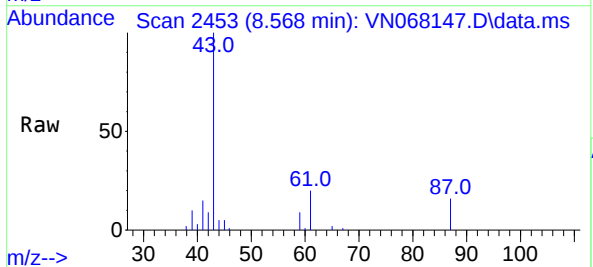
Instrument :
MSVOA_N
ClientSampled :
34N

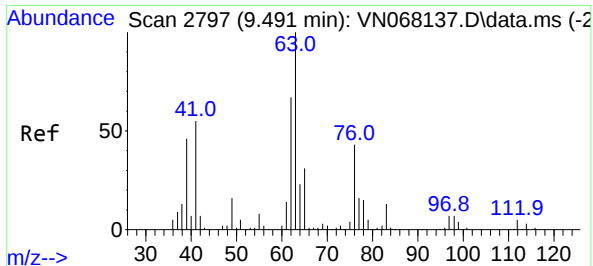
Tgt Ion:	41	Resp:	643
Ion	Ratio	Lower	Upper
41	100		
39	31.7	47.6	71.4#
67	0.0	57.7	86.5#
52	0.0	26.2	39.4#



#43
Isopropyl Acetate
Concen: 4.765 ug/l
RT: 8.568 min Scan# 2453
Delta R.T. 0.002 min
Lab File: VN068147.D
Acq: 17 Aug 2021 16:53

Tgt Ion:	43	Resp:	39664
Ion	Ratio	Lower	Upper
43	100		
61	18.3	19.0	28.4#
87	14.9	9.5	14.3#

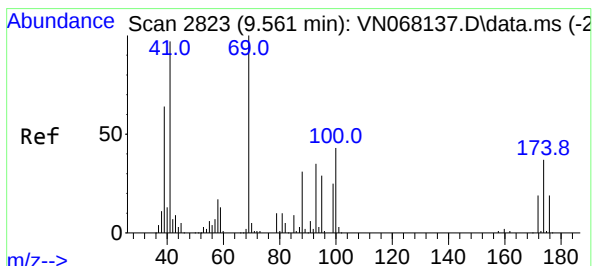
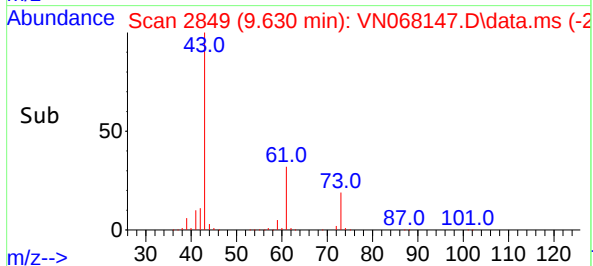
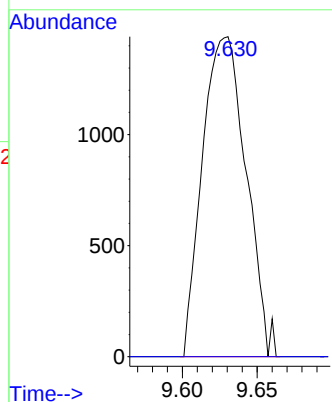
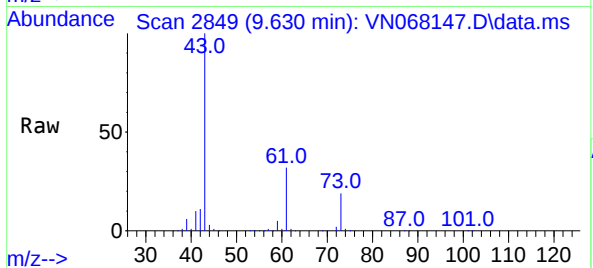




#45
1,2-Dichloropropane
Concen: 0.669 ug/l
RT: 9.630 min Scan# 2849
Delta R.T. 0.139 min
Lab File: VN068147.D
Acq: 17 Aug 2021 16:53

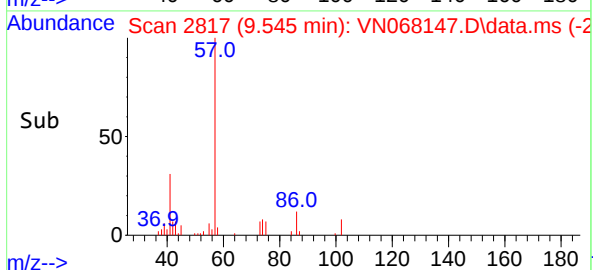
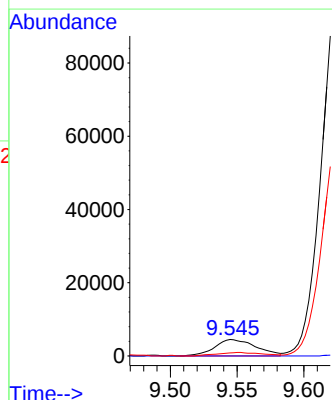
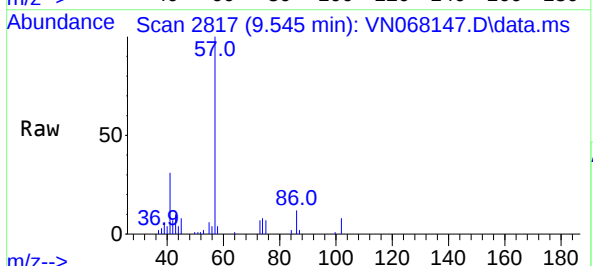
Instrument :
MSVOA_N
ClientSampled :
34N

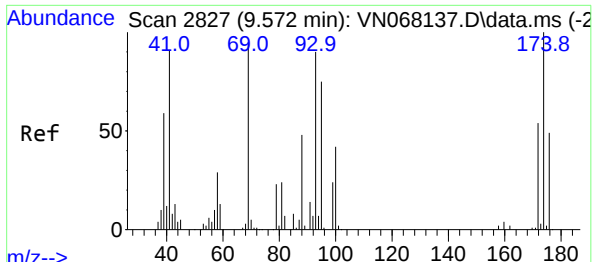
Tgt Ion: 63 Resp: 2931
Ion Ratio Lower Upper
63 100
65 0.0 24.3 36.5#



#48
Methyl methacrylate
Concen: 2.788 ug/l
RT: 9.545 min Scan# 2817
Delta R.T. -0.016 min
Lab File: VN068147.D
Acq: 17 Aug 2021 16:53

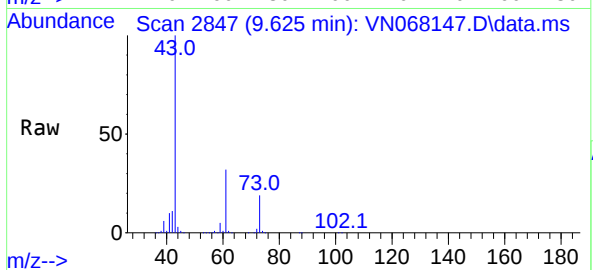
Tgt Ion: 41 Resp: 9670
Ion Ratio Lower Upper
41 100
69 0.0 64.6 96.8#
39 0.0 53.3 79.9#



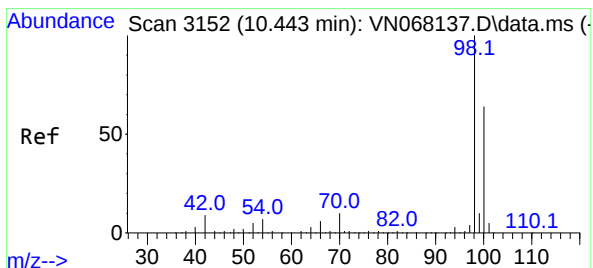
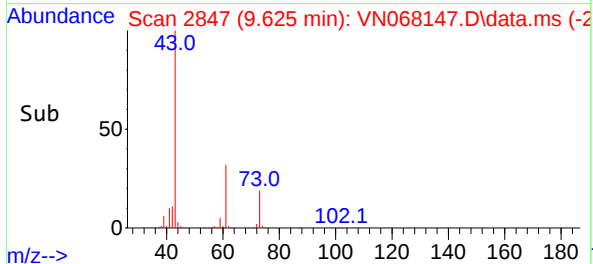
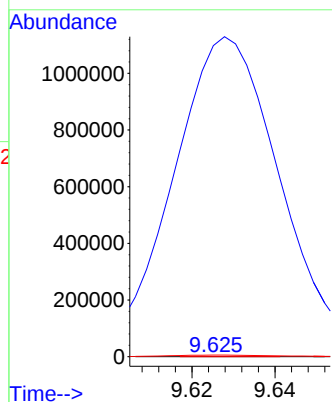


#49
1,4-Dioxane
Concen: 2.457 ug/l
RT: 9.625 min Scan# 2847
Delta R.T. 0.053 min
Lab File: VN068147.D
Acq: 17 Aug 2021 16:53

Instrument :
MSVOA_N
ClientSampled :
34N

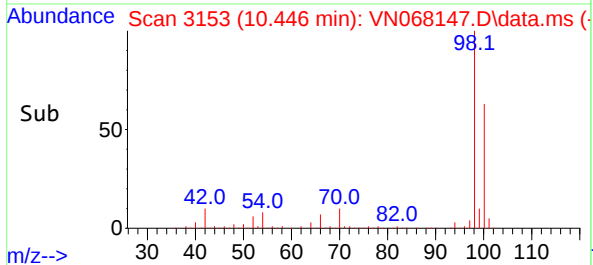
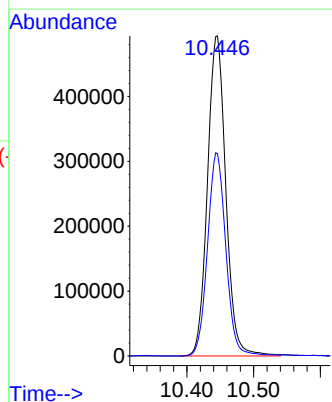
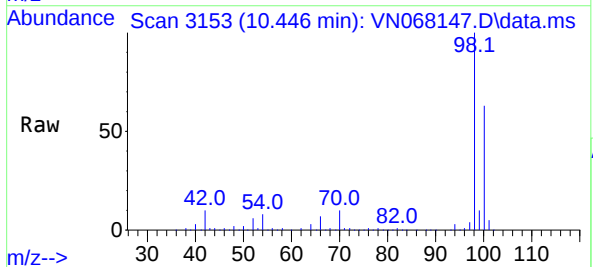


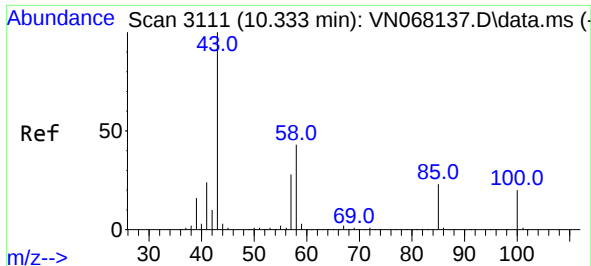
Tgt Ion: 88 Resp: 206
Ion Ratio Lower Upper
88 100
43 1031403.4 28.8 43.2#
58 4838.8 60.4 90.6#



#50
Toluene-d8
Concen: 52.769 ug/l
RT: 10.446 min Scan# 3153
Delta R.T. 0.003 min
Lab File: VN068147.D
Acq: 17 Aug 2021 16:53

Tgt Ion: 98 Resp: 941947
Ion Ratio Lower Upper
98 100
100 63.3 51.7 77.5

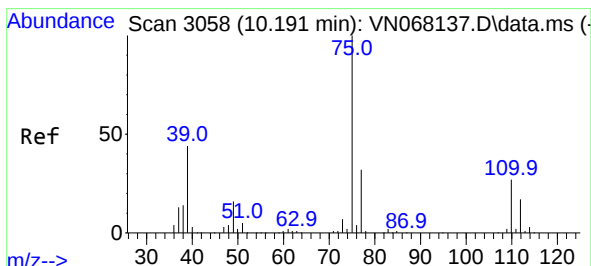
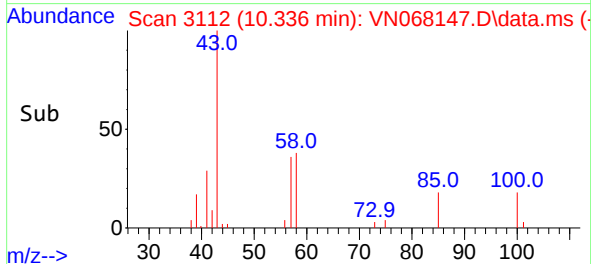
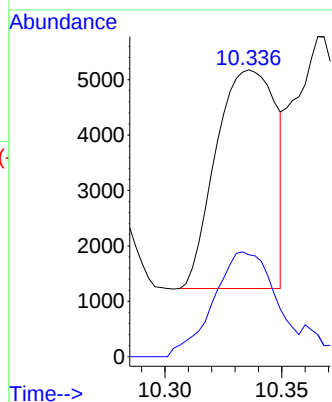
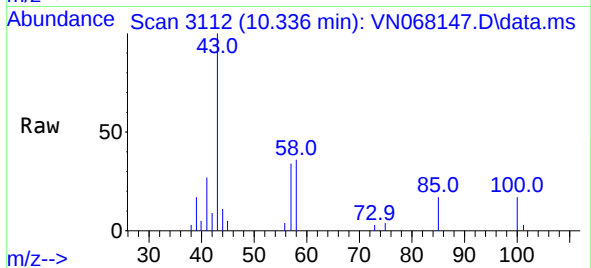




#51
4-Methyl-2-Pentanone
Concen: 1.375 ug/l
RT: 10.336 min Scan# 3112
Delta R.T. 0.003 min
Lab File: VN068147.D
Acq: 17 Aug 2021 16:53

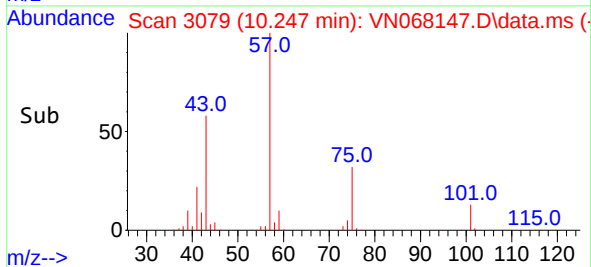
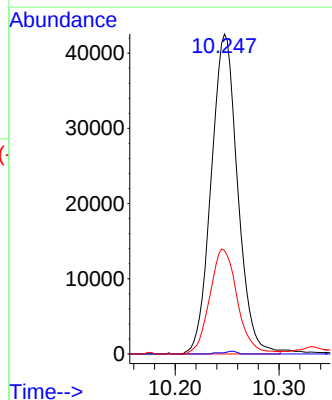
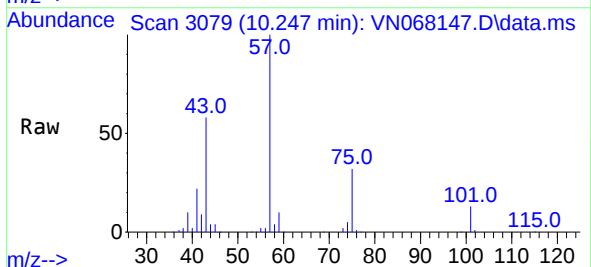
Instrument :
MSVOA_N
ClientSampled :
34N

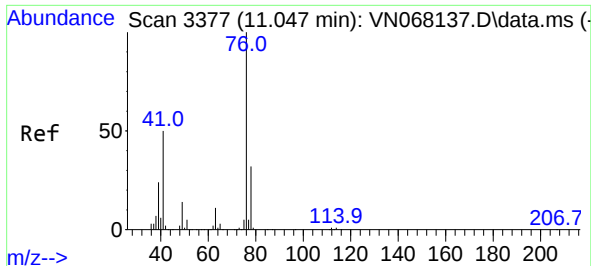
Tgt Ion: 43 Resp: 7032
Ion Ratio Lower Upper
43 100
58 49.3 28.6 43.0#



#54
cis-1,3-Dichloropropene
Concen: 10.647 ug/l
RT: 10.247 min Scan# 3079
Delta R.T. 0.056 min
Lab File: VN068147.D
Acq: 17 Aug 2021 16:53

Tgt Ion: 75 Resp: 75214
Ion Ratio Lower Upper
75 100
77 0.4 24.6 37.0#
39 32.3 50.7 76.1#

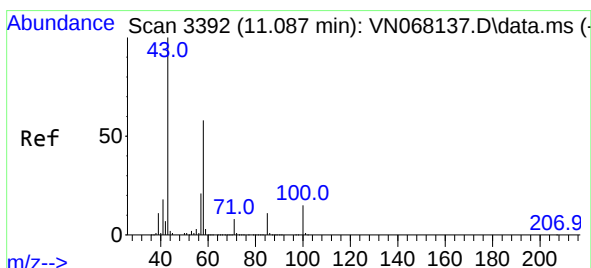
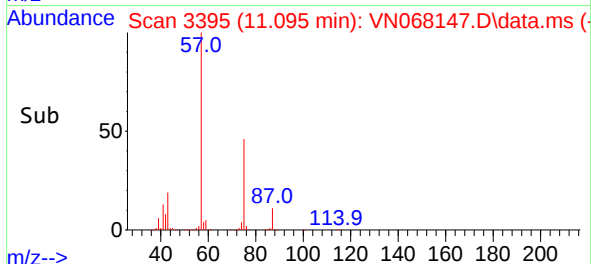
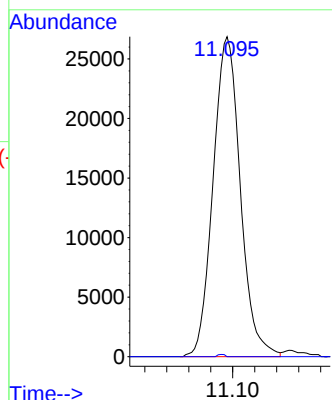
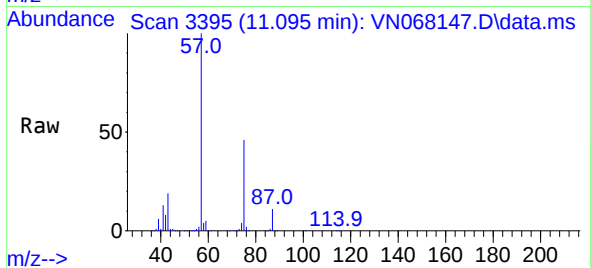




#57
1,3-Dichloropropane
Concen: 5.912 ug/l
RT: 11.095 min Scan# 3395
Delta R.T. 0.048 min
Lab File: VN068147.D
Acq: 17 Aug 2021 16:53

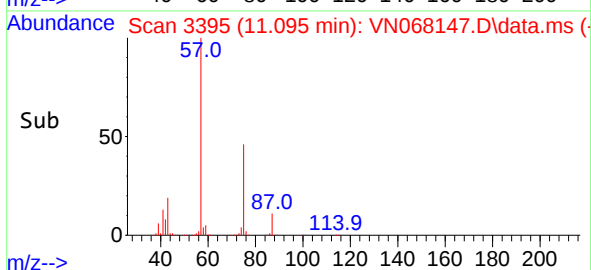
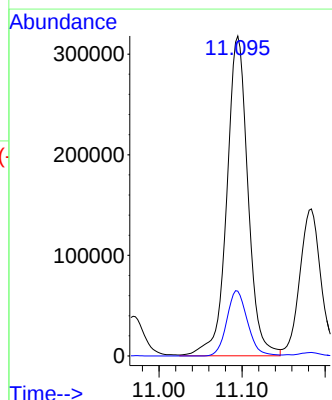
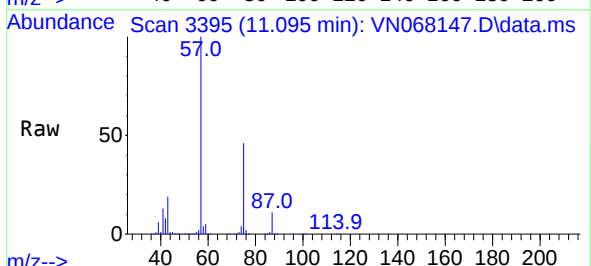
Instrument :
MSVOA_N
ClientSampled :
34N

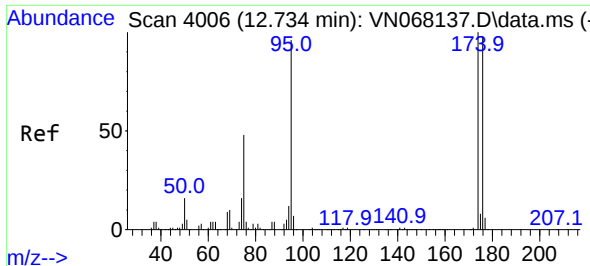
Tgt Ion: 76 Resp: 46181
Ion Ratio Lower Upper
76 100
78 0.2 25.7 38.5#



#59
2-Hexanone
Concen: 158.865 ug/l
RT: 11.095 min Scan# 3395
Delta R.T. 0.008 min
Lab File: VN068147.D
Acq: 17 Aug 2021 16:53

Tgt Ion: 43 Resp: 564037
Ion Ratio Lower Upper
43 100
58 20.0 24.7 74.1#

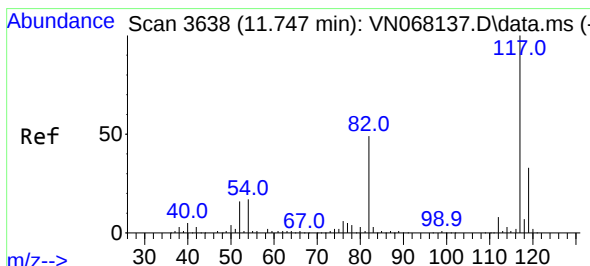
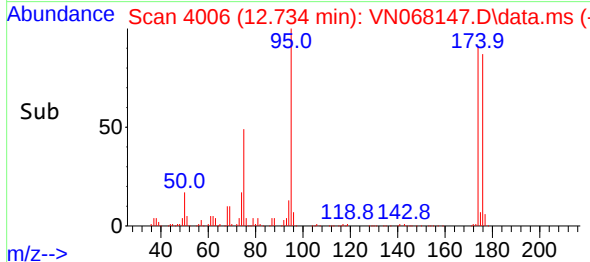
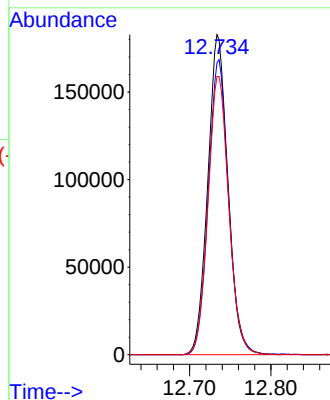
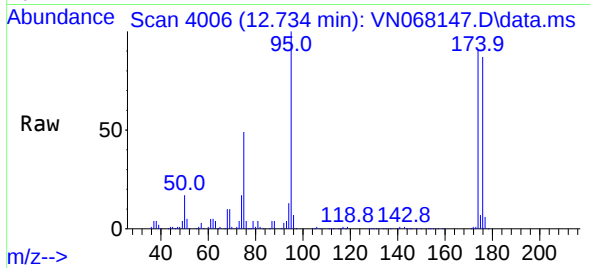




#62
4-Bromofluorobenzene
Concen: 53.052 ug/l
RT: 12.734 min Scan# 4006
Delta R.T. -0.000 min
Lab File: VN068147.D
Acq: 17 Aug 2021 16:53

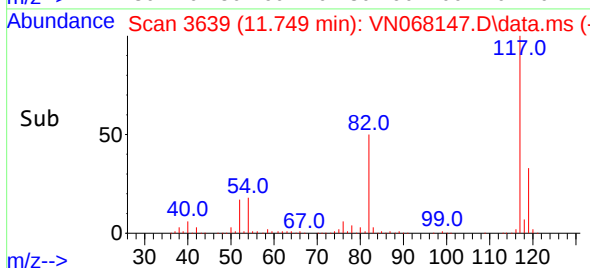
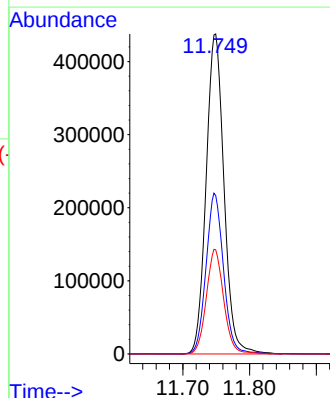
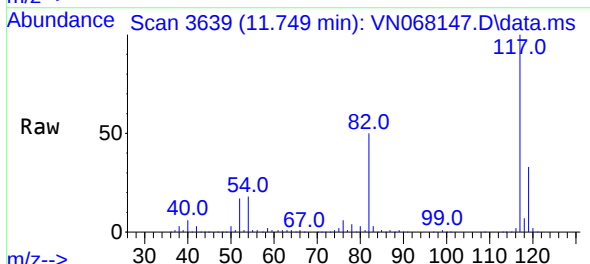
Instrument :
MSVOA_N
ClientSampled :
34N

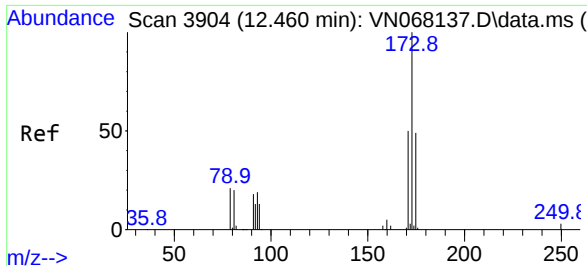
Tgt Ion: 95 Resp: 315252
Ion Ratio Lower Upper
95 100
174 92.9 0.0 122.0
176 89.3 0.0 117.6



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.749 min Scan# 3639
Delta R.T. 0.002 min
Lab File: VN068147.D
Acq: 17 Aug 2021 16:53

Tgt Ion: 117 Resp: 814301
Ion Ratio Lower Upper
117 100
82 49.5 53.1 79.7#
119 32.6 25.5 38.3

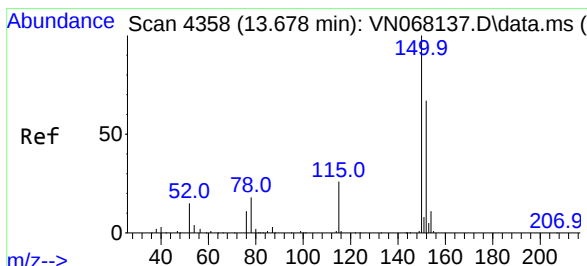
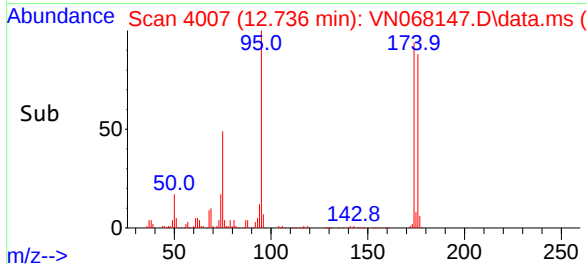
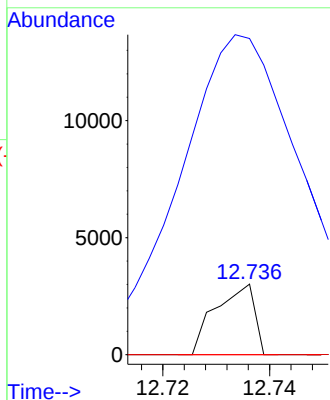
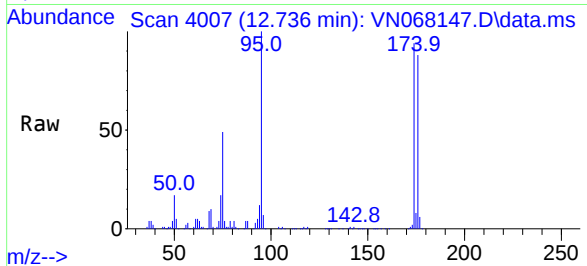




#71
Bromoform
Concen: 0.302 ug/l
RT: 12.736 min Scan# 4007
Delta R.T. 0.276 min
Lab File: VN068147.D
Acq: 17 Aug 2021 16:53

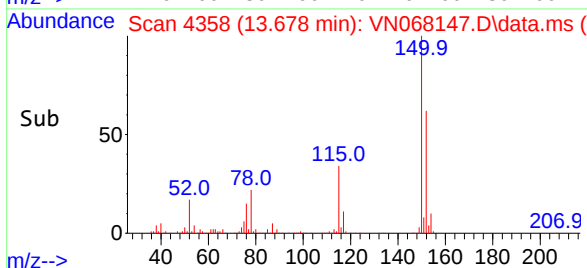
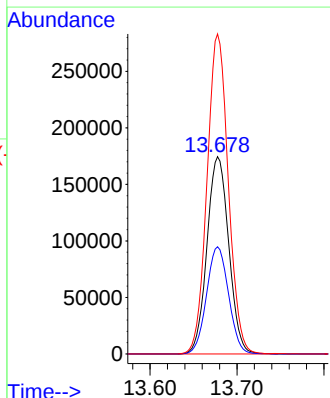
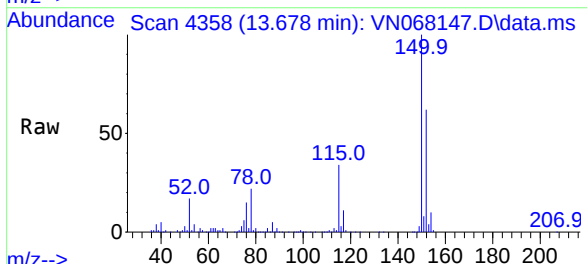
Instrument :
MSVOA_N
ClientSampled :
34N

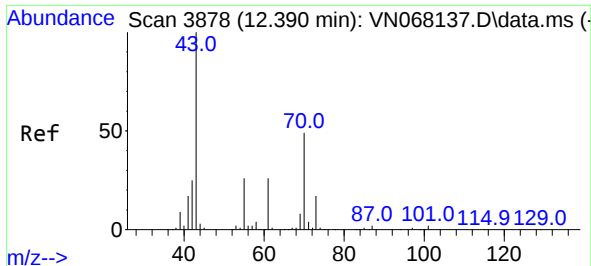
Tgt Ion:173 Resp: 1521
Ion Ratio Lower Upper
173 100
175 1370.5 23.9 71.8#
254 0.0 0.0 0.0



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.678 min Scan# 4358
Delta R.T. -0.000 min
Lab File: VN068147.D
Acq: 17 Aug 2021 16:53

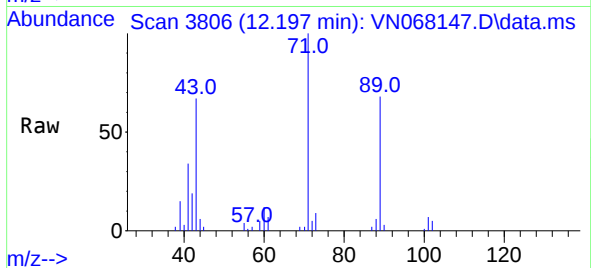
Tgt Ion:152 Resp: 303922
Ion Ratio Lower Upper
152 100
115 55.0 36.1 108.5
150 158.0 0.0 351.8



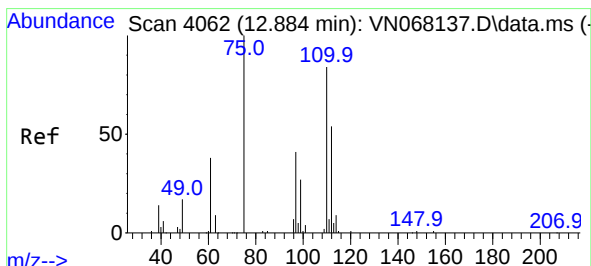
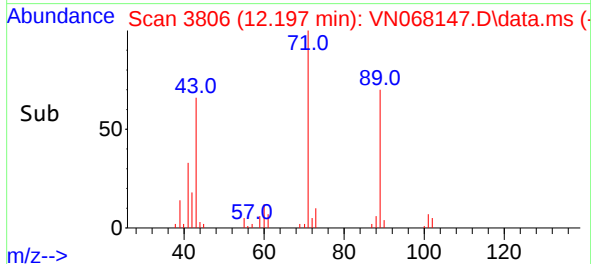
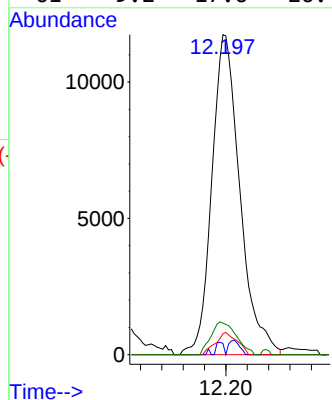


#74
N-amy1 acetate
Concen: 3.801 ug/l
RT: 12.197 min Scan# 3806
Delta R.T. -0.193 min
Lab File: VN068147.D
Acq: 17 Aug 2021 16:53

Instrument :
MSVOA_N
ClientSampled :
34N

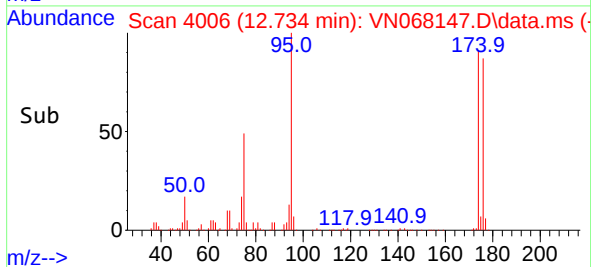
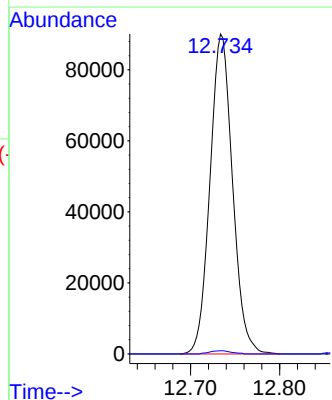
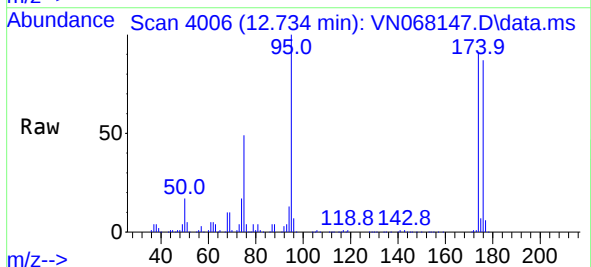


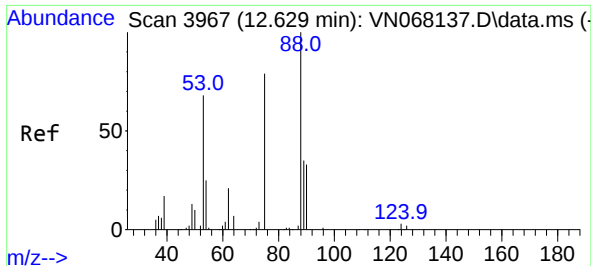
Tgt Ion:	43	Resp:	21391
Ion	Ratio	Lower	Upper
43	100		
70	1.0	29.4	44.2#
55	5.3	17.0	25.4#
61	9.2	17.6	26.4#



#76
1,2,3-Trichloropropane
Concen: 31.366 ug/l
RT: 12.734 min Scan# 4006
Delta R.T. -0.150 min
Lab File: VN068147.D
Acq: 17 Aug 2021 16:53

Tgt Ion:	75	Resp:	158445
Ion	Ratio	Lower	Upper
75	100		
77	1.0	0.0	0.0#

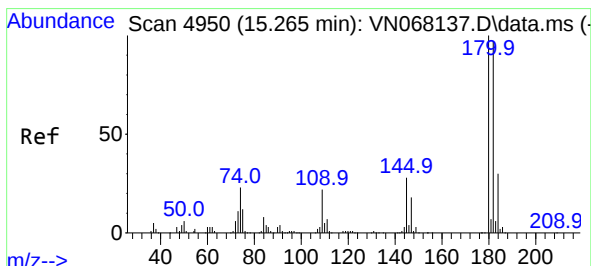
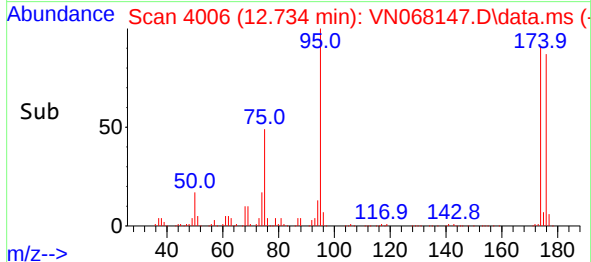
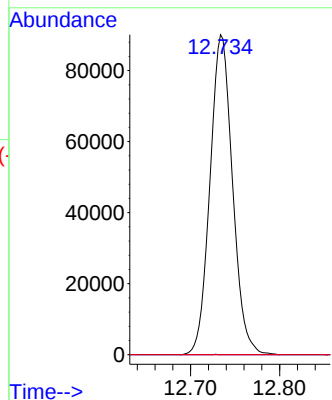
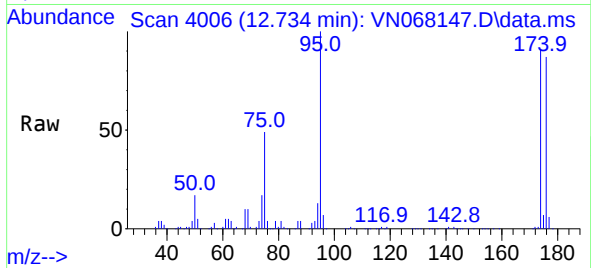




#81
trans-1,4-Dichloro-2-butene
Concen: 102.760 ug/l
RT: 12.734 min Scan# 4006
Delta R.T. 0.105 min
Lab File: VN068147.D
Acq: 17 Aug 2021 16:53

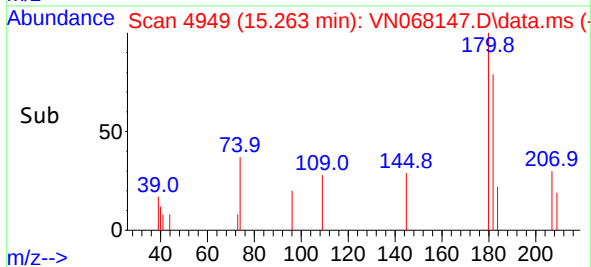
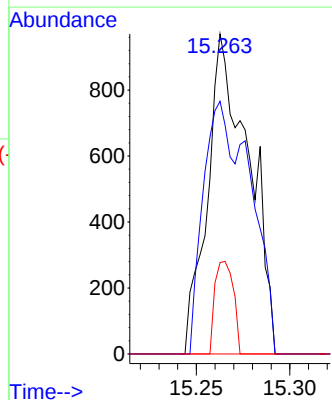
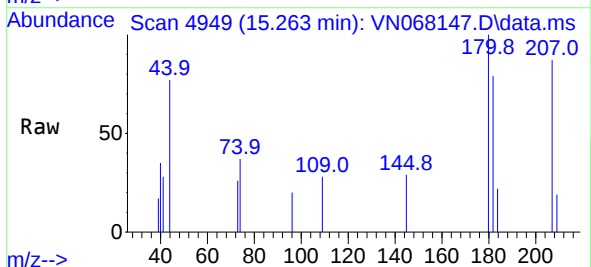
Instrument :
MSVOA_N
ClientSampled :
34N

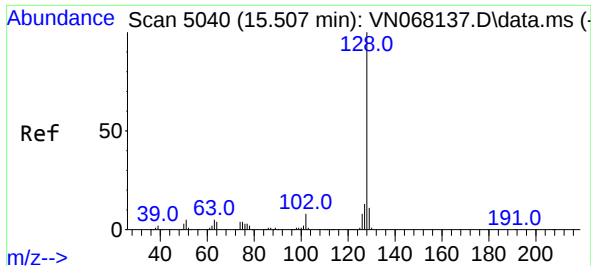
Tgt Ion: 75 Resp: 158445
Ion Ratio Lower Upper
75 100
53 0.0 87.6 131.4#
89 0.0 37.8 56.8#



#93
1,2,4-Trichlorobenzene
Concen: 2.962 ug/l
RT: 15.263 min Scan# 4949
Delta R.T. -0.002 min
Lab File: VN068147.D
Acq: 17 Aug 2021 16:53

Tgt Ion:180 Resp: 1486
Ion Ratio Lower Upper
180 100
182 56.3 47.5 142.5
145 12.9 17.2 51.6#

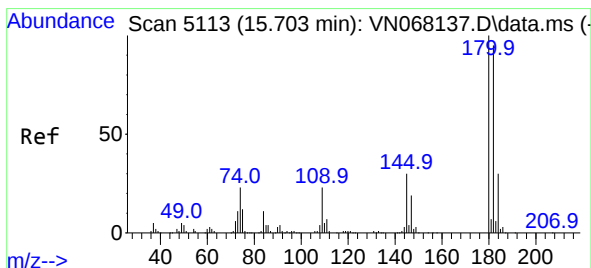
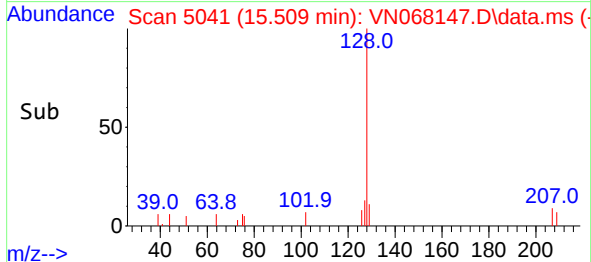
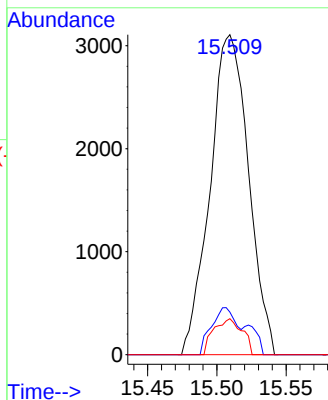
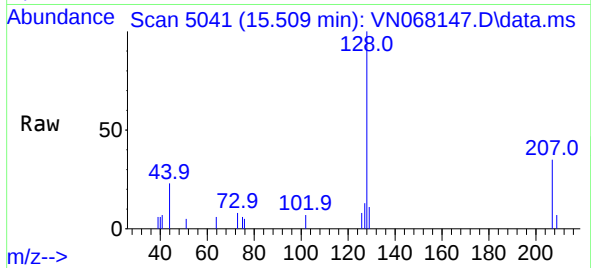




#95
Naphthalene
Concen: 3.813 ug/l
RT: 15.509 min Scan# 5041
Delta R.T. 0.002 min
Lab File: VN068147.D
Acq: 17 Aug 2021 16:53

Instrument :
MSVOA_N
ClientSampled :
34N

Tgt Ion:128	Resp:	5997
Ion Ratio	Lower	Upper
128	100	
127	9.6	10.6 15.8#
129	8.4	8.6 12.8#



#96
1,2,3-Trichlorobenzene
Concen: 3.156 ug/l
RT: 15.702 min Scan# 5113
Delta R.T. -0.001 min
Lab File: VN068147.D
Acq: 17 Aug 2021 16:53

Tgt Ion:180	Resp:	1655
Ion Ratio	Lower	Upper
180	100	
182	90.8	47.8 143.3
145	14.4	18.2 54.6#

