

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN040821\
 Data File : VN066539.D
 Acq On : 8 Apr 2021 14:28
 Operator : JC/MD
 Sample : M1961-09
 Misc : 5.00mL/MSVOA_N/WATER
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :

Quant Time: Apr 09 04:34:21 2021
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N040621W.M
 Quant Title : SW846 8260
 QLast Update : Tue Apr 06 15:38:34 2021
 Response via : Initial Calibration

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

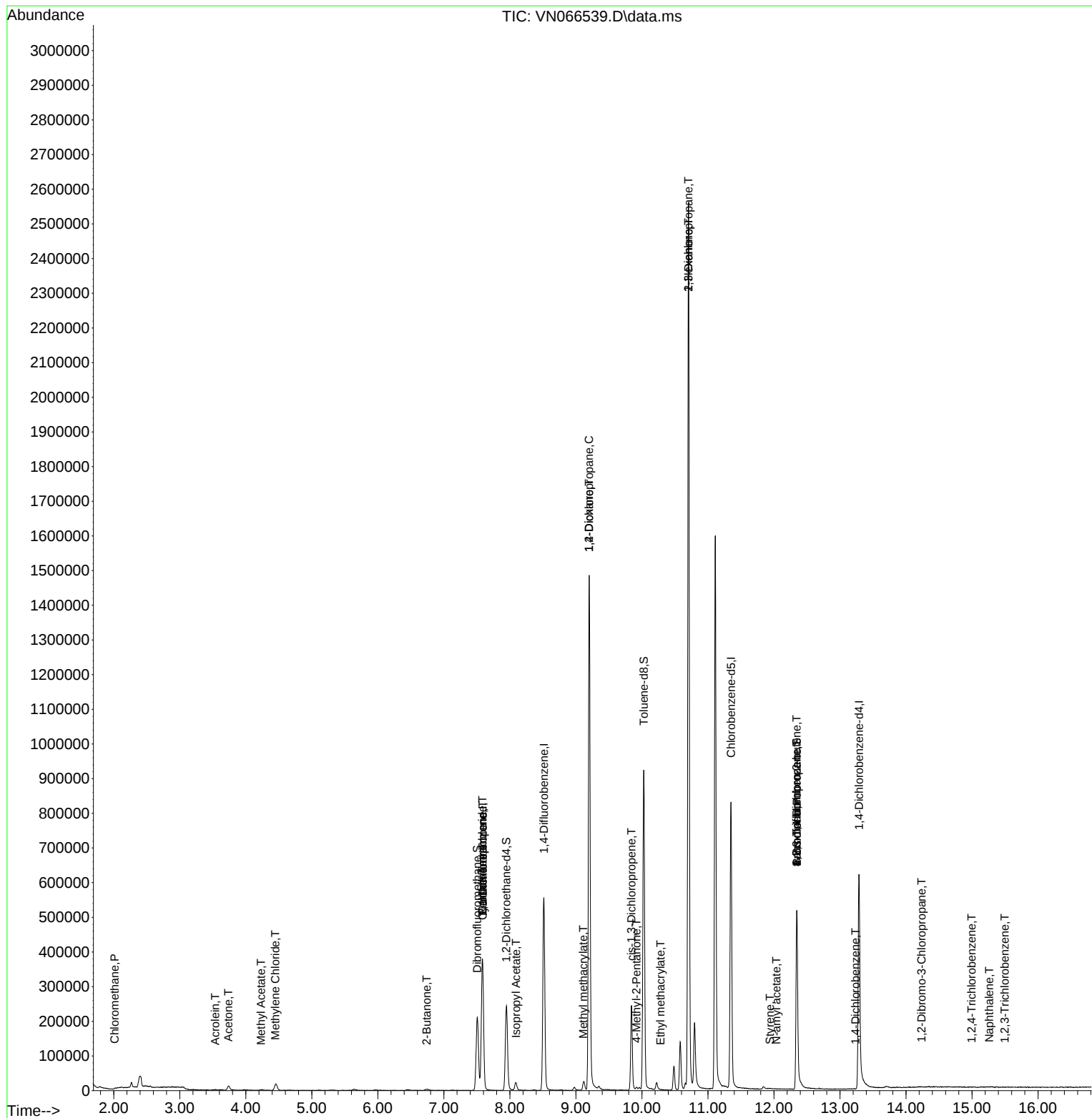
Internal Standards						
1) Pentafluorobenzene	7.587	168	319285	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.515	114	486939	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.350	117	486902	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.289	152	197066	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	7.947	65	207593	49.37	ug/l	0.00
Spiked Amount 50.000	Range 78 - 117		Recovery =	98.74%		
35) Dibromofluoromethane	7.507	113	161682	48.72	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery =	97.44%		
50) Toluene-d8	10.028	98	623991	49.48	ug/l	0.00
Spiked Amount 50.000	Range 92 - 112		Recovery =	98.96%		
62) 4-Bromofluorobenzene	12.345	95	192305	47.03	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery =	94.06%		
Target Compounds					Qvalue	
3) Chloromethane	2.014	50	1220	0.26	ug/l #	84
13) Acrolein	3.537	56	1309	7.17	ug/l #	73
16) Acetone	3.736	43	20553	11.66	ug/l	90
18) Methyl Acetate	4.232	43	2179	0.49	ug/l	98
20) Methylene Chloride	4.449	84	6702	1.77	ug/l	92
25) 2-Butanone	6.742	43	2765	1.05	ug/l	95
31) Cyclohexane	7.590	56	6809	1.18	ug/l #	11
36) 1,1-Dichloropropene	7.587	75	23446	4.96	ug/l #	48
38) Carbon Tetrachloride	7.585	117	29010	6.05	ug/l #	18
43) Isopropyl Acetate	8.094	43	26805	2.96	ug/l #	93
45) 1,2-Dichloropropane	9.199	63	2014	0.51	ug/l #	43
48) Methyl methacrylate	9.111	41	6828	1.70	ug/l #	12
49) 1,4-Dioxane	9.199	88	53	0.97	ug/l #	1
51) 4-Methyl-2-Pentanone	9.918	43	5170	0.96	ug/l	89
54) cis-1,3-Dichloropropene	9.843	75	42715	7.07	ug/l #	62
56) Ethyl methacrylate	10.283	69	91	3.73	ug/l #	22
57) 1,3-Dichloropropane	10.706	76	25731	4.24	ug/l #	42
59) 2-Hexanone	10.706	43	359007	94.11	ug/l #	53
70) Styrene	11.937	104	83	2.79	ug/l #	25
71) Bromoform	12.348	173	2074	0.67	ug/l #	1
74) N-amyl acetate	12.037	43	198	12.76	ug/l #	57
76) 1,2,3-Trichloropropane	12.345	75	99426	22.37	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.345	75	99426	62.16	ug/l #	12
88) 1,4-Dichlorobenzene	13.235	146	83	1.01	ug/l #	26
92) 1,2-Dibromo-3-Chloropr...	14.233	75	169	0.50	ug/l #	1
93) 1,2,4-Trichlorobenzene	14.995	180	58	2.25	ug/l #	12
95) Naphthalene	15.260	128	313	2.00	ug/l #	69
96) 1,2,3-Trichlorobenzene	15.496	180	137	1.65	ug/l #	12

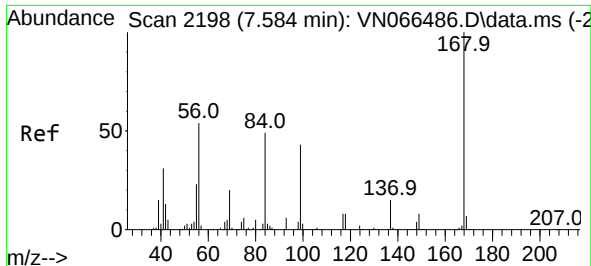
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN040821\
Data File : VN066539.D
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ALS Vial : 11 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampled :

Quant Time: Apr 09 04:34:21 2021
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N040621W.M
Quant Title : SW846 8260
QLast Update : Tue Apr 06 15:38:34 2021
Response via : Initial Calibration

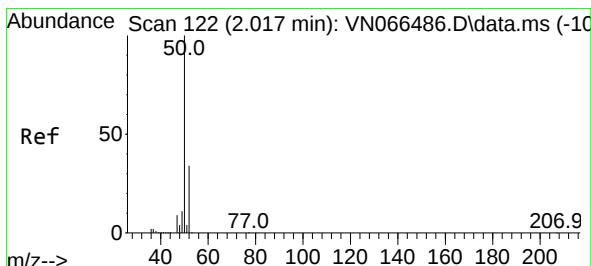
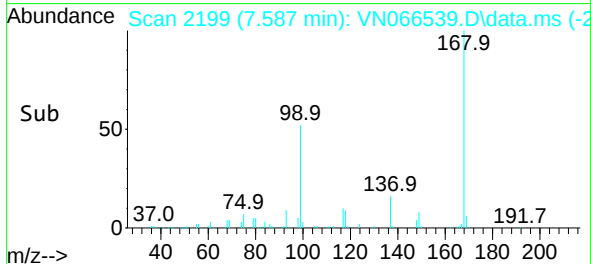
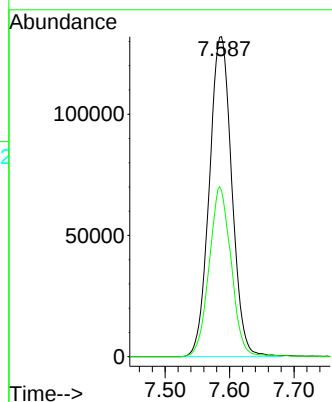
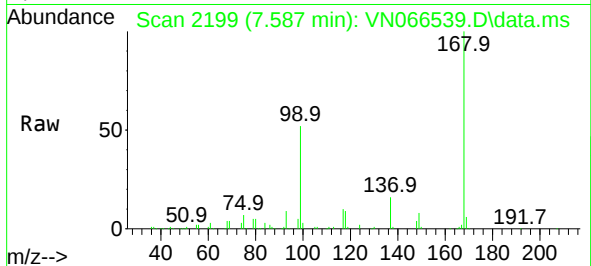




#1
Pentafluorobenzene
Concen: 50.00 ug/l
RT: 7.587 min Scan# 2199
Delta R.T. 0.003 min
Lab File: VN066539.D
Acq: 8 Apr 2021 14:28

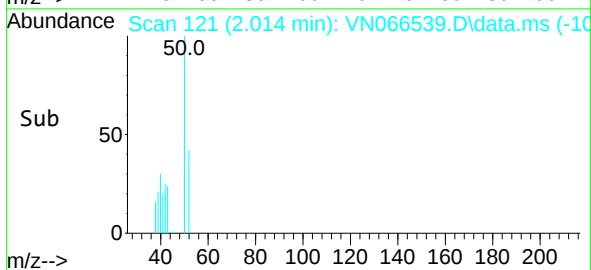
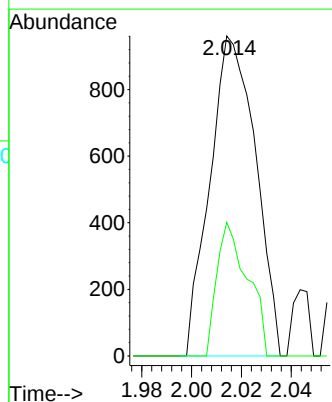
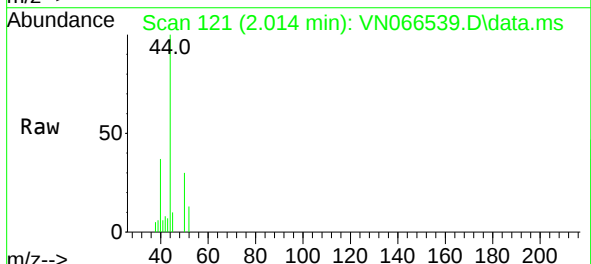
Instrument :
MSVOA_N
ClientSampleId :

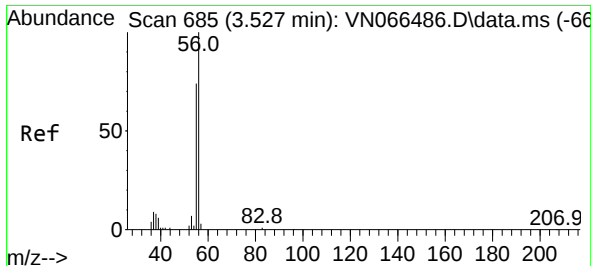
Tgt Ion:168 Resp: 319285
Ion Ratio Lower Upper
168 100
99 51.9 41.1 61.7



#3
Chloromethane
Concen: 0.26 ug/l
RT: 2.014 min Scan# 121
Delta R.T. -0.003 min
Lab File: VN066539.D
Acq: 8 Apr 2021 14:28

Tgt Ion: 50 Resp: 1220
Ion Ratio Lower Upper
50 100
52 41.7 26.2 39.2#

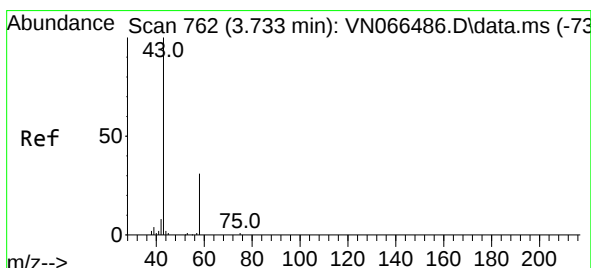
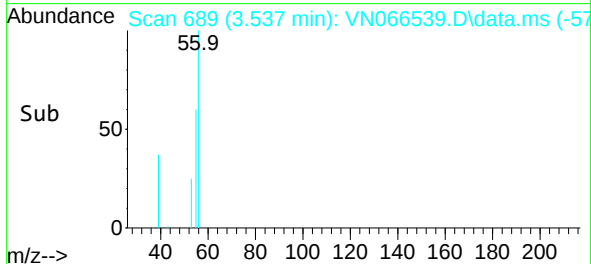
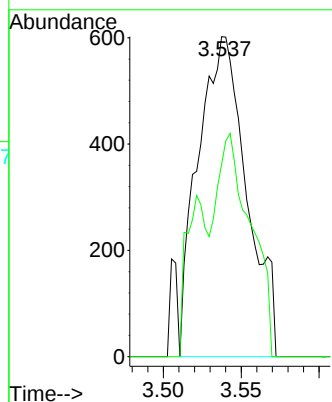
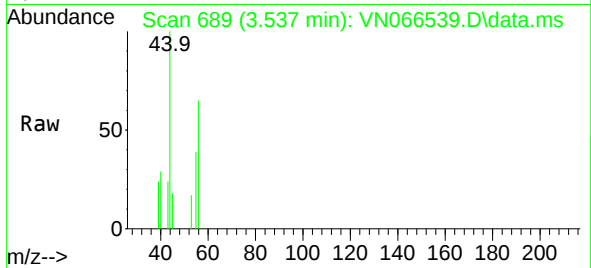




#13
Acrolein
Concen: 7.17 ug/l
RT: 3.537 min Scan# 689
Delta R.T. 0.010 min
Lab File: VN066539.D
Acq: 8 Apr 2021 14:28

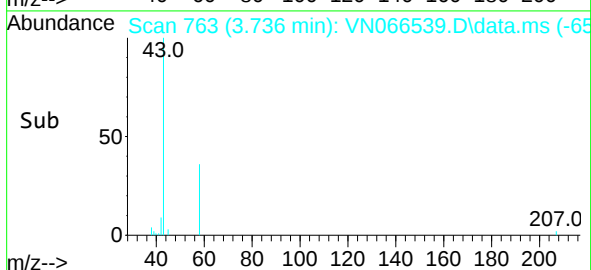
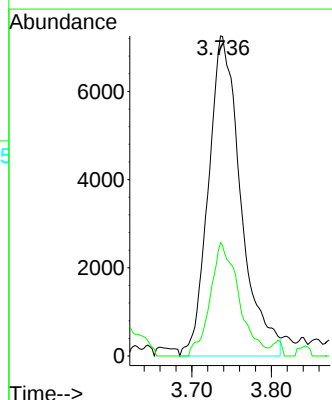
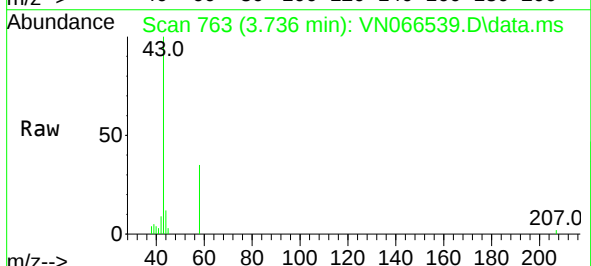
Instrument :
MSVOA_N
ClientSampled :

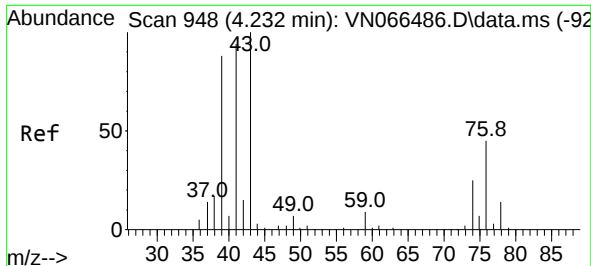
Tgt Ion: 56 Resp: 1309
Ion Ratio Lower Upper
56 100
55 49.5 57.9 86.9#



#16
Acetone
Concen: 11.66 ug/l
RT: 3.736 min Scan# 763
Delta R.T. 0.003 min
Lab File: VN066539.D
Acq: 8 Apr 2021 14:28

Tgt Ion: 43 Resp: 20553
Ion Ratio Lower Upper
43 100
58 35.5 23.8 35.8

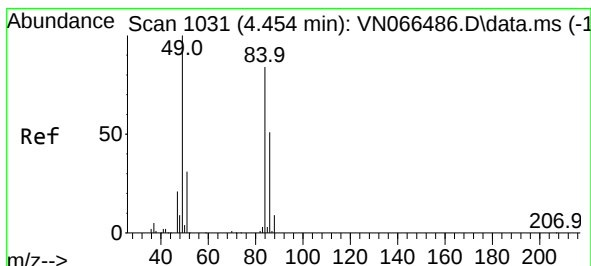
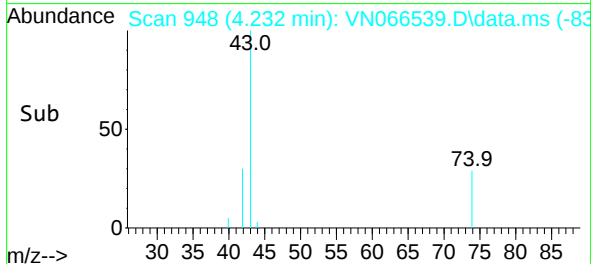
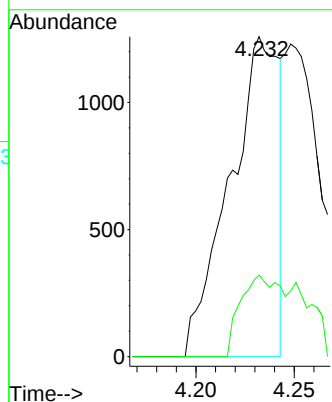
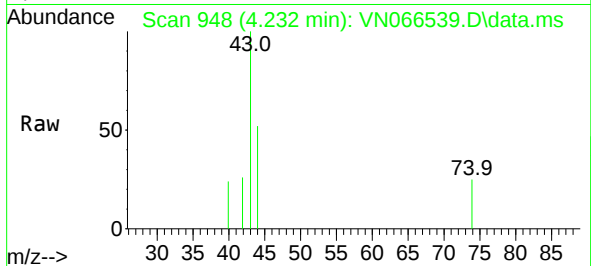




#18
Methyl Acetate
Concen: 0.49 ug/l
RT: 4.232 min Scan# 948
Delta R.T. 0.000 min
Lab File: VN066539.D
Acq: 8 Apr 2021 14:28

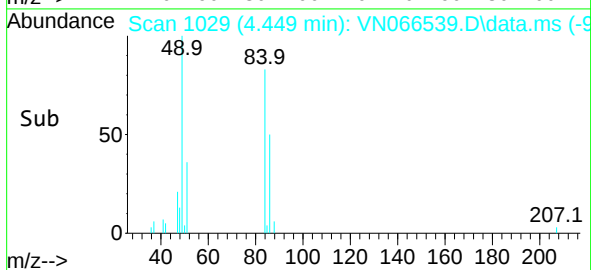
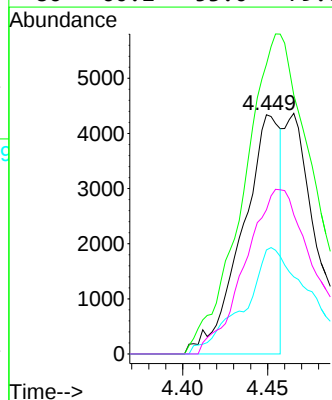
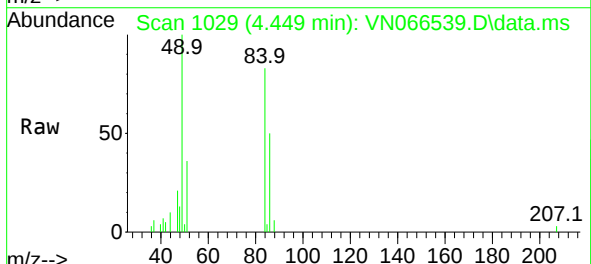
Instrument :
MSVOA_N
ClientSampled :

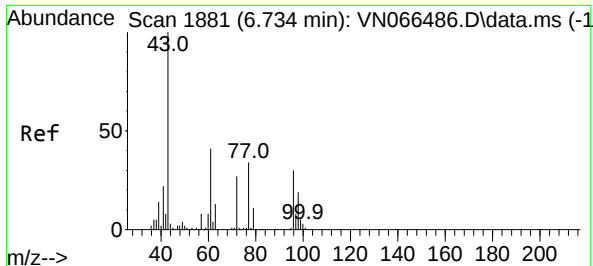
Tgt Ion: 43 Resp: 2179
Ion Ratio Lower Upper
43 100
74 21.1 17.6 26.4



#20
Methylene Chloride
Concen: 1.77 ug/l
RT: 4.449 min Scan# 1029
Delta R.T. -0.005 min
Lab File: VN066539.D
Acq: 8 Apr 2021 14:28

Tgt Ion: 84 Resp: 6702
Ion Ratio Lower Upper
84 100
49 121.1 105.0 157.6
51 43.5 31.6 47.4
86 60.2 53.0 79.6

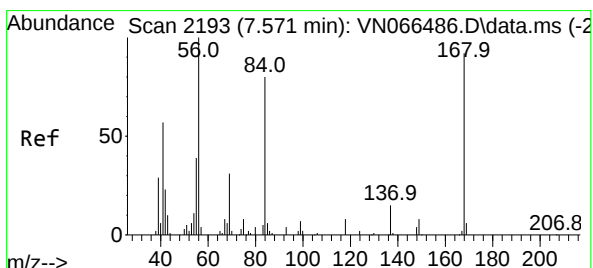
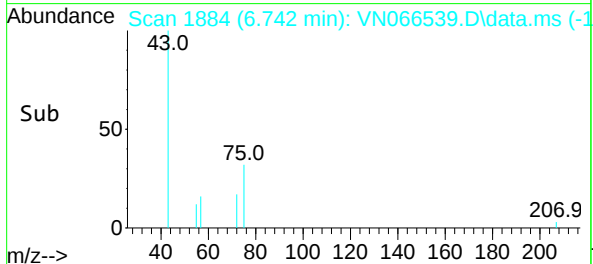
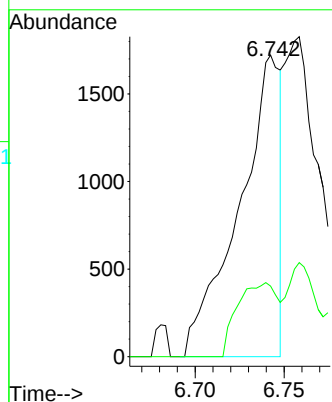
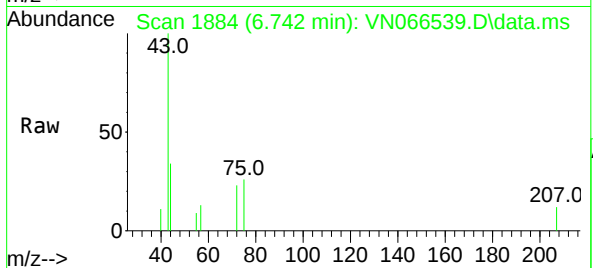




#25
2-Butanone
Concen: 1.05 ug/l
RT: 6.742 min Scan# 1884
Delta R.T. 0.008 min
Lab File: VN066539.D
Acq: 8 Apr 2021 14:28

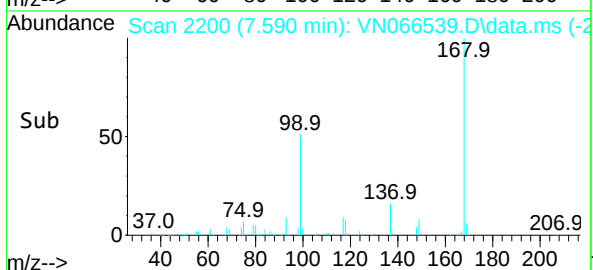
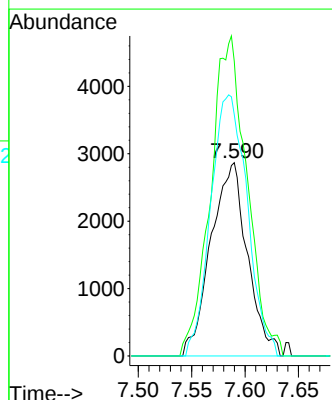
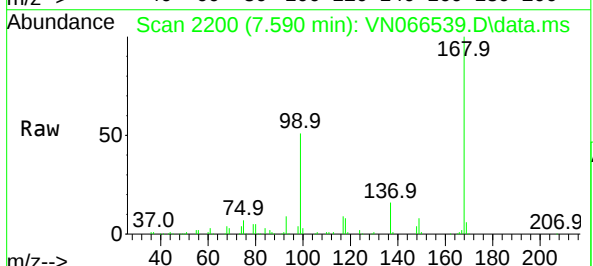
Instrument :
MSVOA_N
ClientSampled :

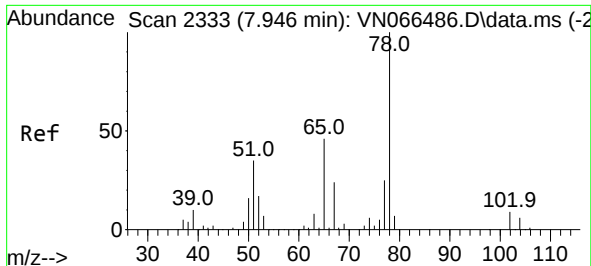
Tgt Ion: 43 Resp: 2765
Ion Ratio Lower Upper
43 100
72 23.4 20.7 31.1



#31
Cyclohexane
Concen: 1.18 ug/l
RT: 7.590 min Scan# 2200
Delta R.T. 0.019 min
Lab File: VN066539.D
Acq: 8 Apr 2021 14:28

Tgt Ion: 56 Resp: 6809
Ion Ratio Lower Upper
56 100
69 152.5 26.6 40.0#
84 124.8 68.7 103.1#

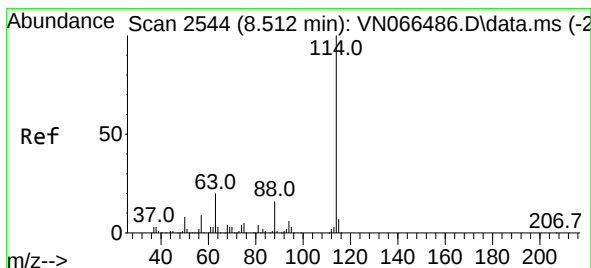
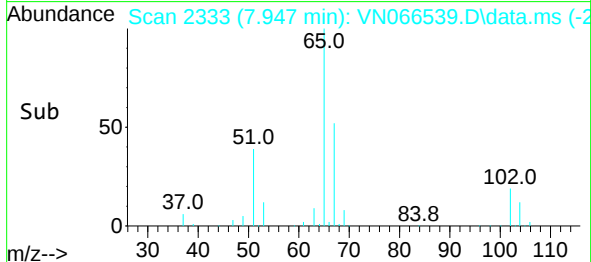
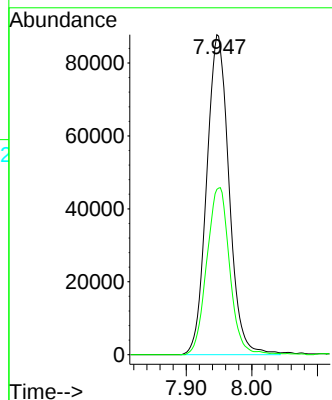
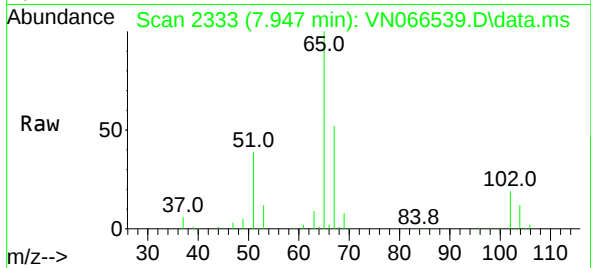




#33
1,2-Dichloroethane-d4
Concen: 49.37 ug/l
RT: 7.947 min Scan# 2333
Delta R.T. 0.001 min
Lab File: VN066539.D
Acq: 8 Apr 2021 14:28

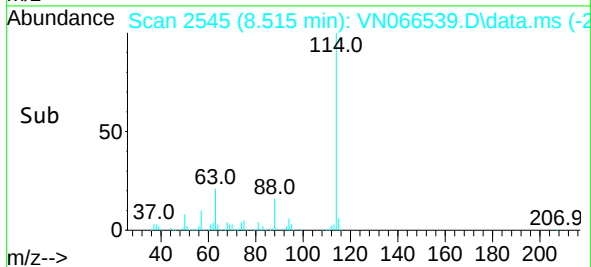
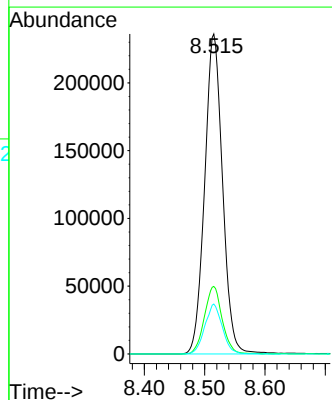
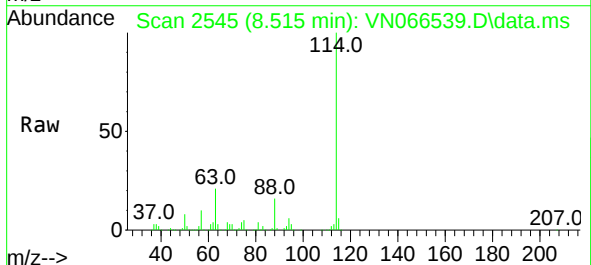
Instrument :
MSVOA_N
ClientSampled :

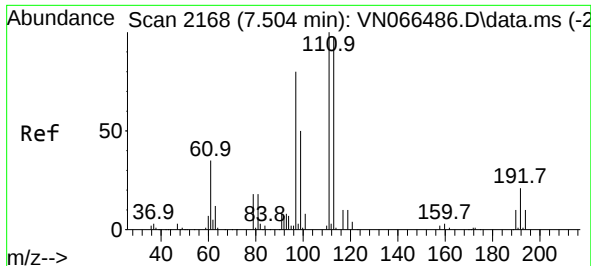
Tgt Ion: 65 Resp: 207593
Ion Ratio Lower Upper
65 100
67 52.9 0.0 105.2



#34
1,4-Difluorobenzene
Concen: 50.00 ug/l
RT: 8.515 min Scan# 2545
Delta R.T. 0.003 min
Lab File: VN066539.D
Acq: 8 Apr 2021 14:28

Tgt Ion: 114 Resp: 486939
Ion Ratio Lower Upper
114 100
63 21.1 0.0 42.0
88 15.6 0.0 31.0





#35

Dibromofluoromethane

Concen: 48.72 ug/l

RT: 7.507 min Scan# 2169

Delta R.T. 0.003 min

Lab File: VN066539.D

Acq: 8 Apr 2021 14:28

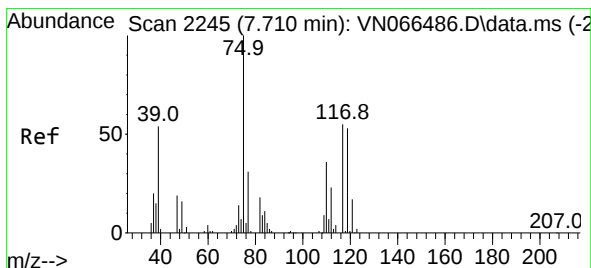
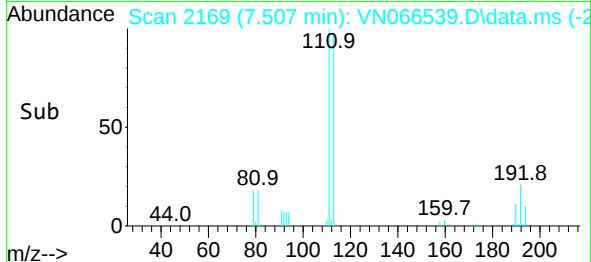
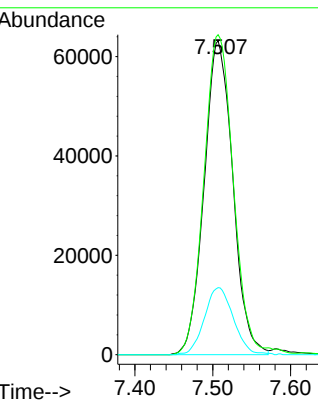
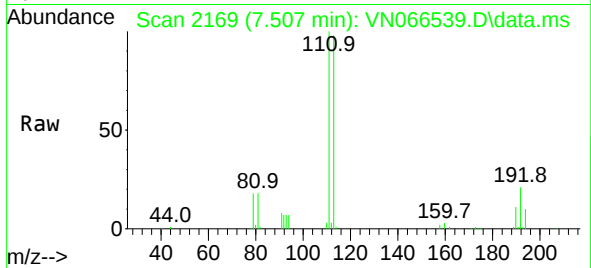
Tgt Ion: 113 Resp: 161682

Ion Ratio Lower Upper

113 100

111 105.1 81.8 122.8

192 21.6 17.1 25.7



#36

1,1-Dichloropropene

Concen: 4.96 ug/l

RT: 7.587 min Scan# 2199

Delta R.T. -0.123 min

Lab File: VN066539.D

Acq: 8 Apr 2021 14:28

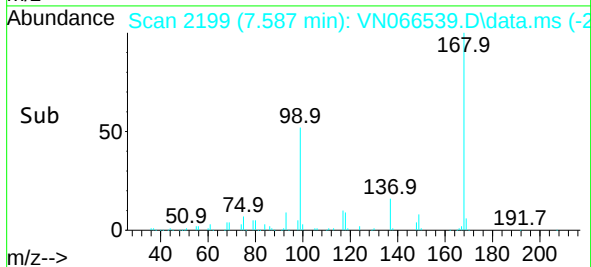
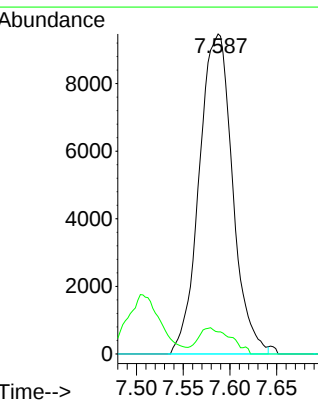
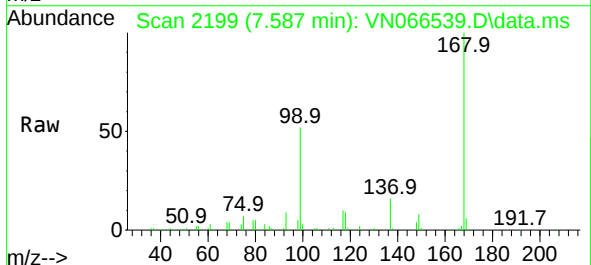
Tgt Ion: 75 Resp: 23446

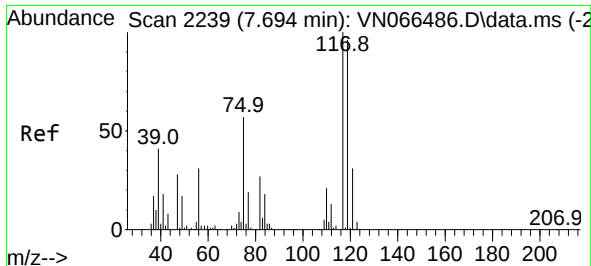
Ion Ratio Lower Upper

75 100

110 8.0 18.1 54.3#

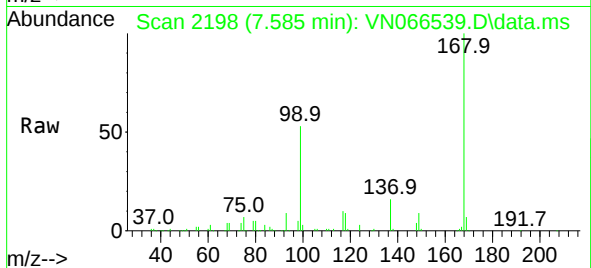
77 0.0 25.0 37.4#



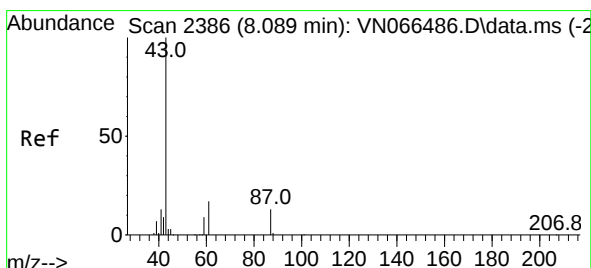
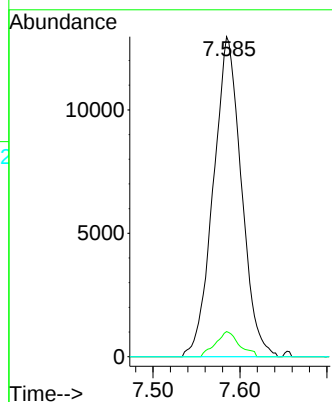
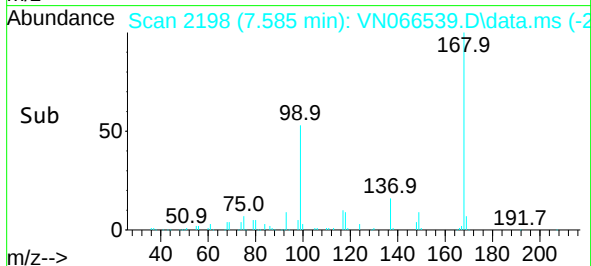


#38
Carbon Tetrachloride
Concen: 6.05 ug/l
RT: 7.585 min Scan# 2198
Delta R.T. -0.109 min
Lab File: VN066539.D
Acq: 8 Apr 2021 14:28

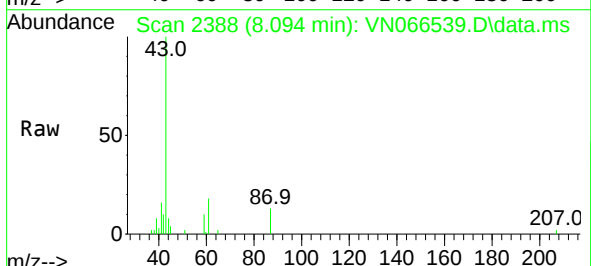
Instrument :
MSVOA_N
ClientSampled :



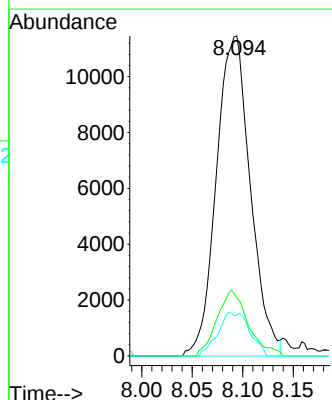
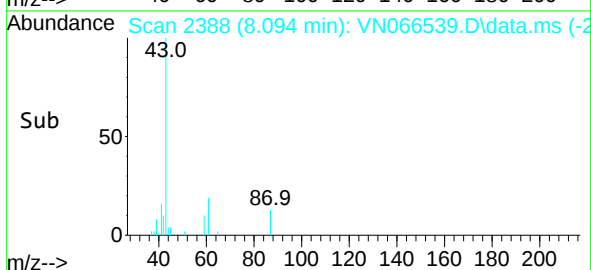
Tgt Ion:117 Resp: 29010
Ion Ratio Lower Upper
117 100
119 7.9 77.2 115.8#
121 0.0 24.2 36.4#

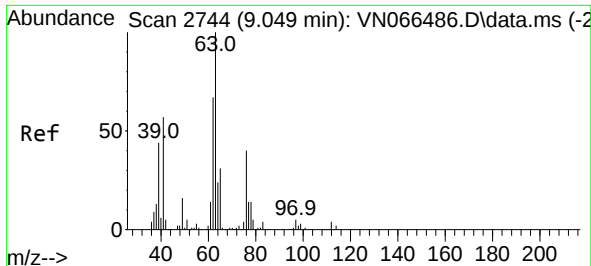


#43
Isopropyl Acetate
Concen: 2.96 ug/l
RT: 8.094 min Scan# 2388
Delta R.T. 0.005 min
Lab File: VN066539.D
Acq: 8 Apr 2021 14:28



Tgt Ion: 43 Resp: 26805
Ion Ratio Lower Upper
43 100
61 18.8 15.5 23.3
87 6.8 10.5 15.7#

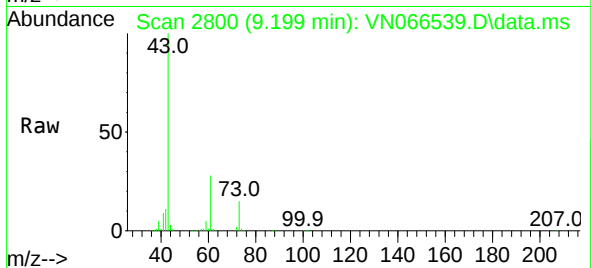




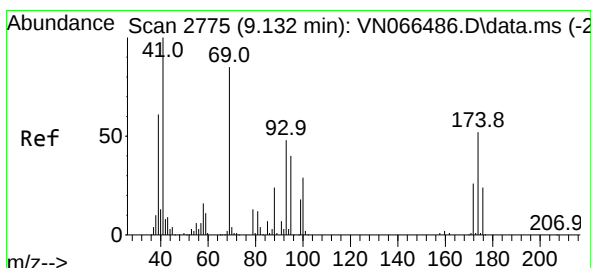
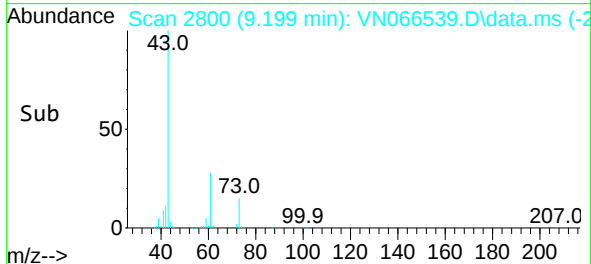
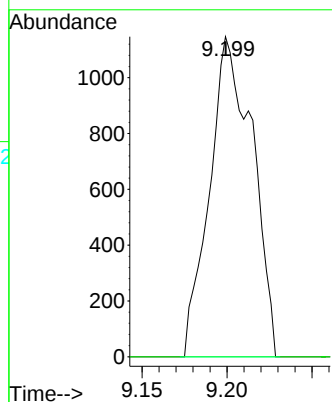
#45

1,2-Dichloropropane
Concen: 0.51 ug/l
RT: 9.199 min Scan# 2800
Delta R.T. 0.150 min
Lab File: VN066539.D
Acq: 8 Apr 2021 14:28

Instrument :
MSVOA_N
ClientSampled :

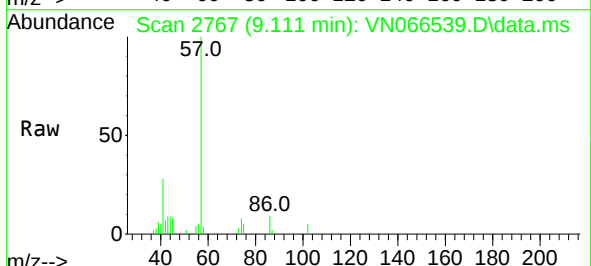


Tgt Ion: 63 Resp: 2014
Ion Ratio Lower Upper
63 100
65 0.0 25.5 38.3#

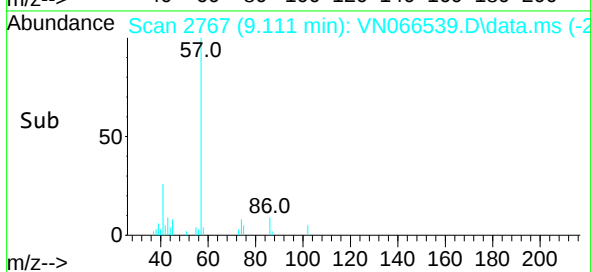
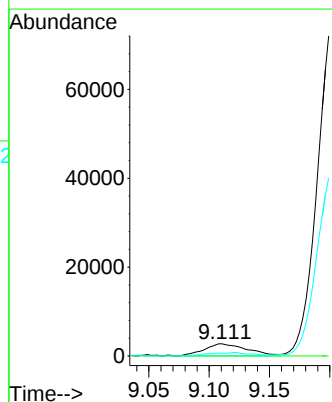


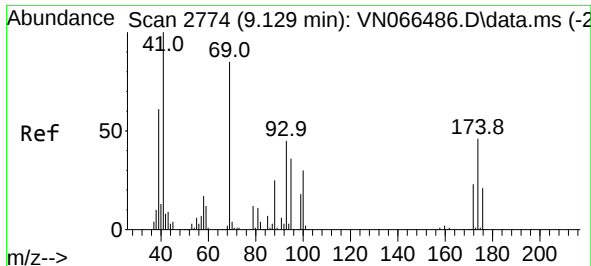
#48

Methyl methacrylate
Concen: 1.70 ug/l
RT: 9.111 min Scan# 2767
Delta R.T. -0.021 min
Lab File: VN066539.D
Acq: 8 Apr 2021 14:28



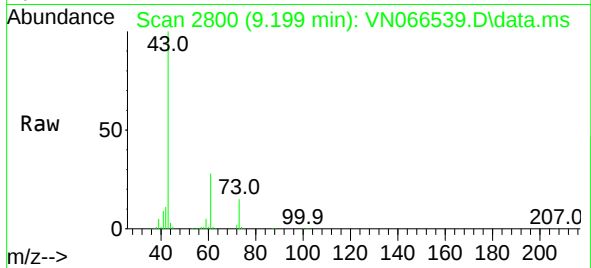
Tgt Ion: 41 Resp: 6828
Ion Ratio Lower Upper
41 100
69 0.0 66.2 99.4#
39 0.0 51.5 77.3#



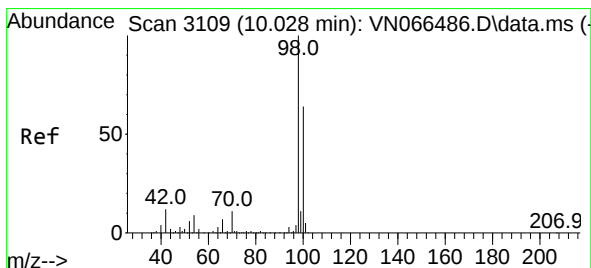
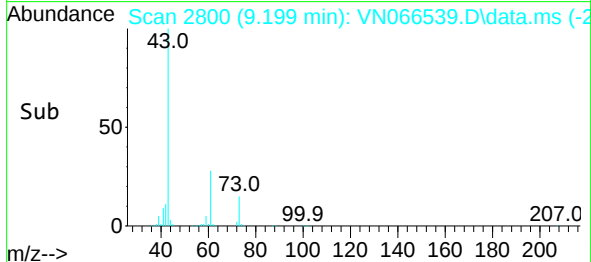
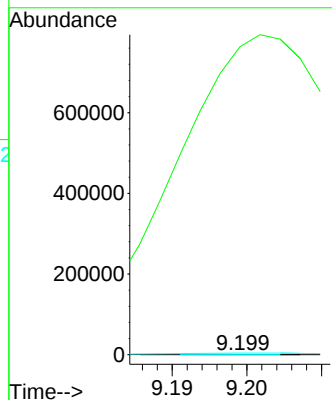


#49
1,4-Dioxane
Concen: 0.97 ug/l
RT: 9.199 min Scan# 2800
Delta R.T. 0.070 min
Lab File: VN066539.D
Acq: 8 Apr 2021 14:28

Instrument :
MSVOA_N
ClientSampled :

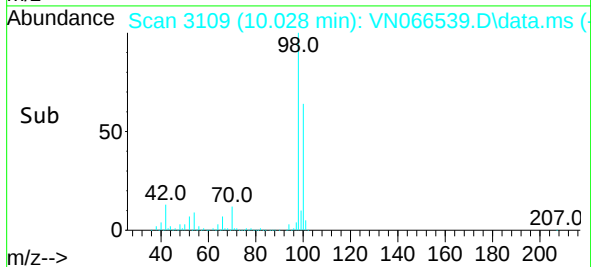
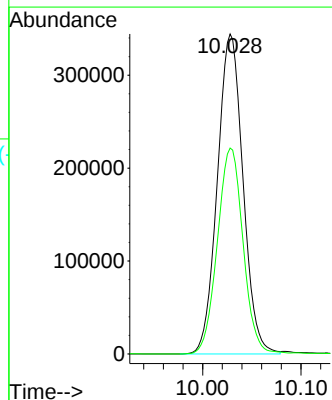
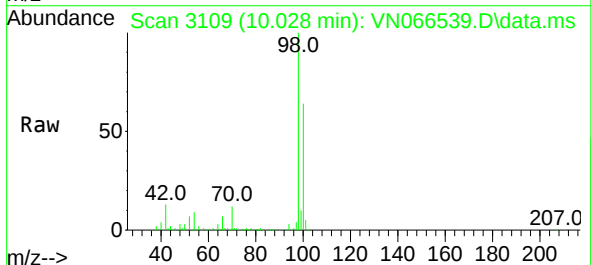


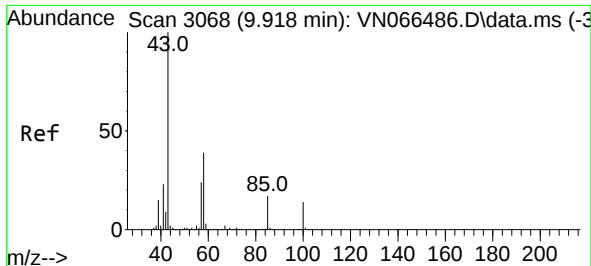
Tgt Ion: 88 Resp: 53
Ion Ratio Lower Upper
88 100
43 2760145.3 28.2 42.4#
58 14569.8 56.6 84.8#



#50
Toluene-d8
Concen: 49.48 ug/l
RT: 10.028 min Scan# 3109
Delta R.T. -0.000 min
Lab File: VN066539.D
Acq: 8 Apr 2021 14:28

Tgt Ion: 98 Resp: 623991
Ion Ratio Lower Upper
98 100
100 64.5 50.5 75.7

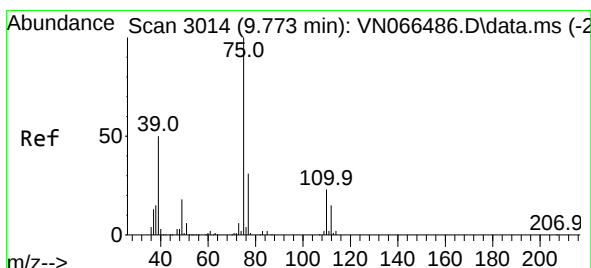
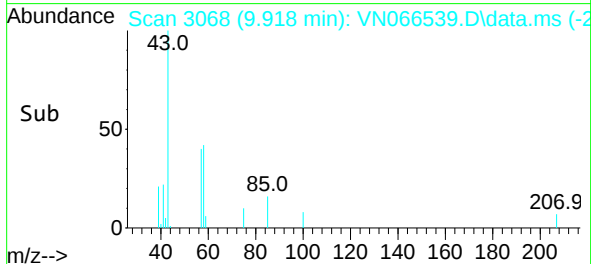
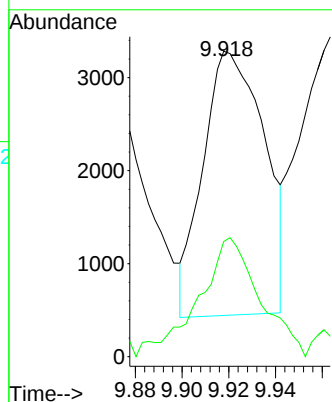
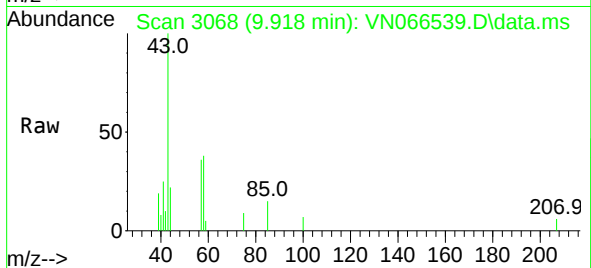




#51
4-Methyl-2-Pentanone
Concen: 0.96 ug/l
RT: 9.918 min Scan# 3068
Delta R.T. -0.000 min
Lab File: VN066539.D
Acq: 8 Apr 2021 14:28

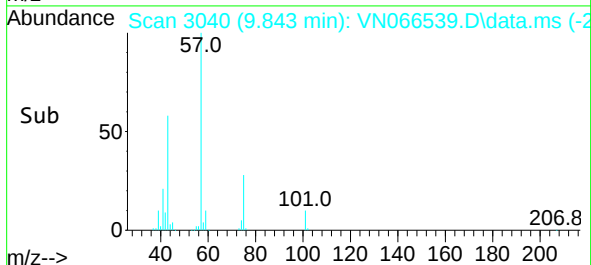
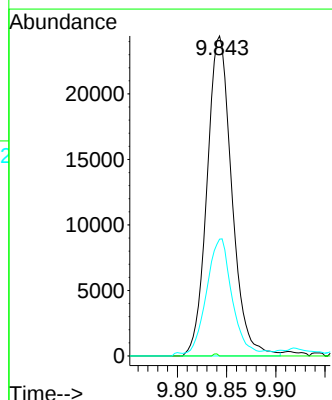
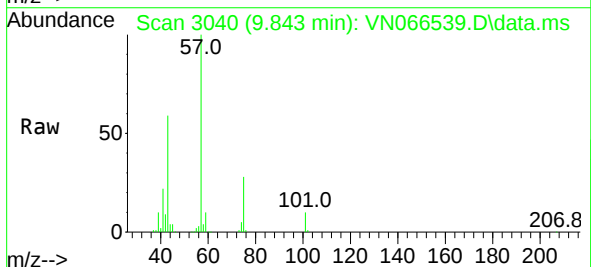
Instrument :
MSVOA_N
ClientSampled :

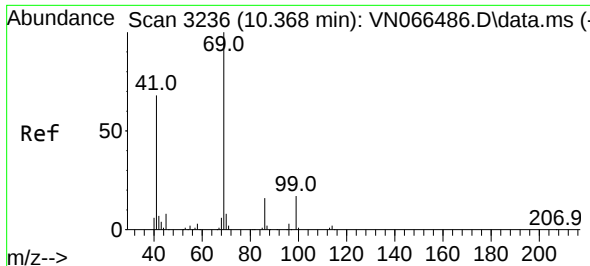
Tgt Ion: 43 Resp: 5170
Ion Ratio Lower Upper
43 100
58 45.1 30.8 46.2



#54
cis-1,3-Dichloropropene
Concen: 7.07 ug/l
RT: 9.843 min Scan# 3040
Delta R.T. 0.070 min
Lab File: VN066539.D
Acq: 8 Apr 2021 14:28

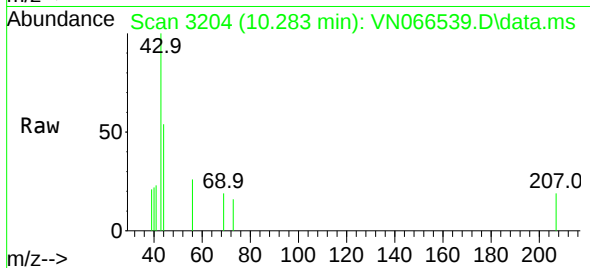
Tgt Ion: 75 Resp: 42715
Ion Ratio Lower Upper
75 100
77 0.0 25.4 38.2#
39 35.6 44.2 66.4#



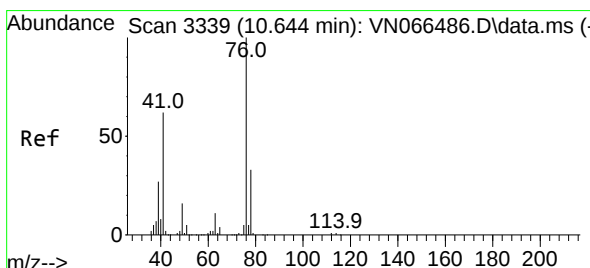
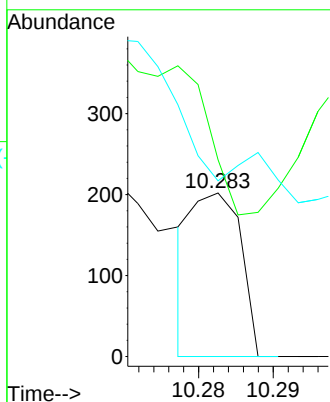
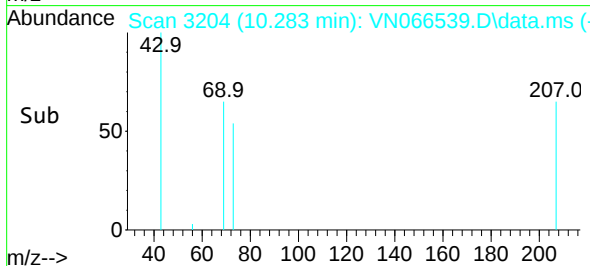


#56
Ethyl methacrylate
Concen: 3.73 ug/l
RT: 10.283 min Scan# 3204
Delta R.T. -0.085 min
Lab File: VN066539.D
Acq: 8 Apr 2021 14:28

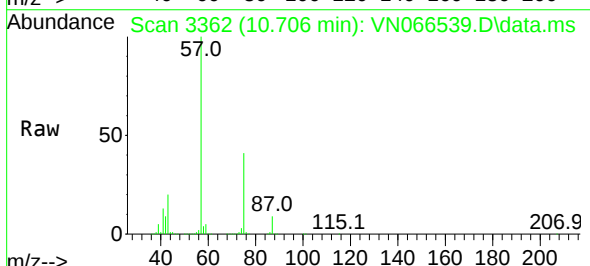
Instrument :
MSVOA_N
ClientSampled :



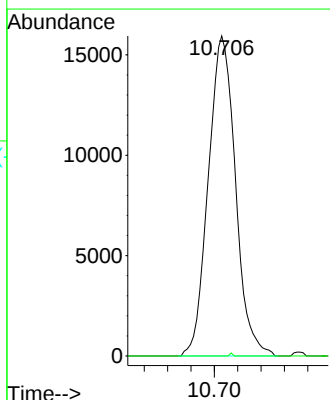
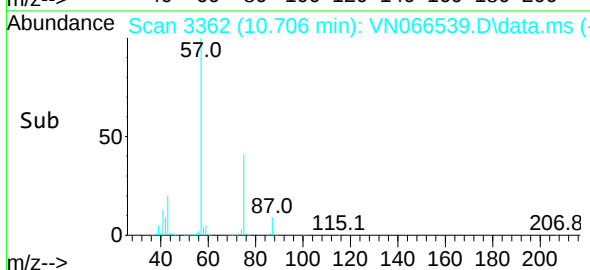
Tgt Ion: 69 Resp: 91
Ion Ratio Lower Upper
69 100
41 0.0 55.3 82.9#
39 0.0 33.8 50.6#

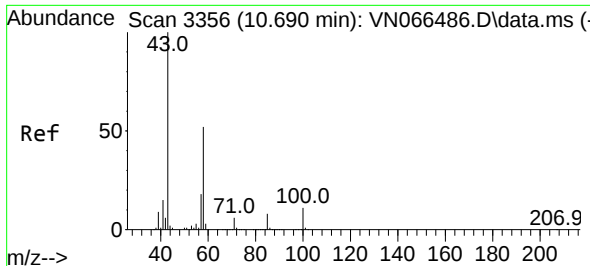


#57
1,3-Dichloropropane
Concen: 4.24 ug/l
RT: 10.706 min Scan# 3362
Delta R.T. 0.062 min
Lab File: VN066539.D
Acq: 8 Apr 2021 14:28



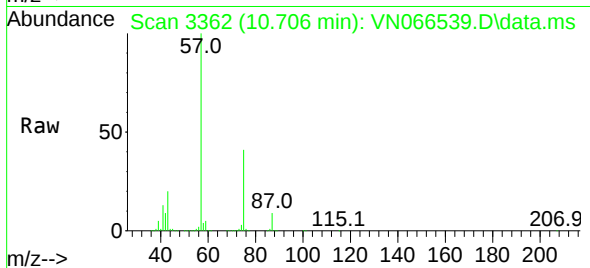
Tgt Ion: 76 Resp: 25731
Ion Ratio Lower Upper
76 100
78 0.1 25.9 38.9#



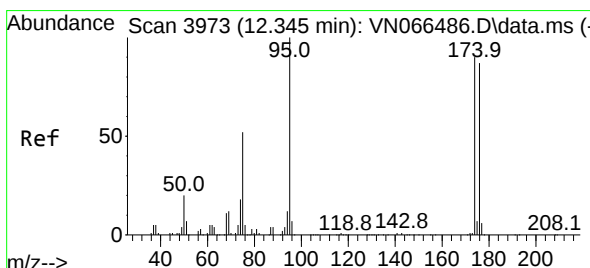
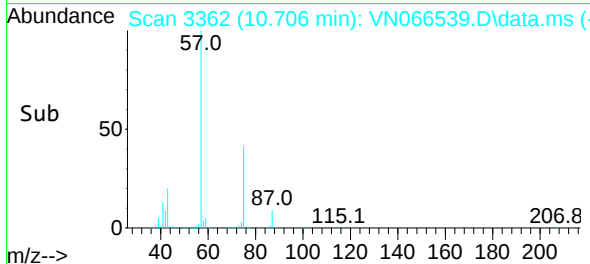
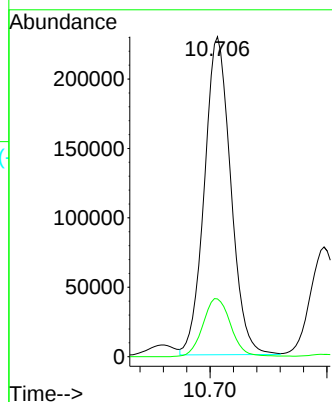


#59
2-Hexanone
Concen: 94.11 ug/l
RT: 10.706 min Scan# 3362
Delta R.T. 0.016 min
Lab File: VN066539.D
Acq: 8 Apr 2021 14:28

Instrument :
MSVOA_N
ClientSampled :

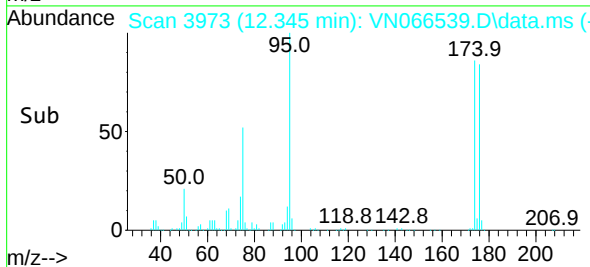
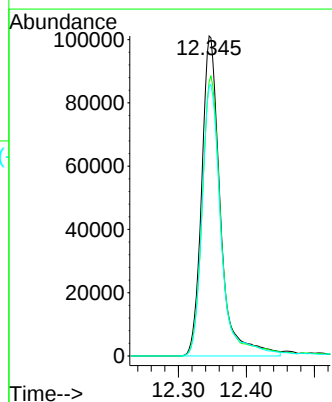
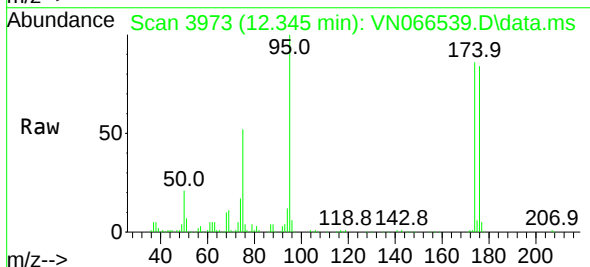


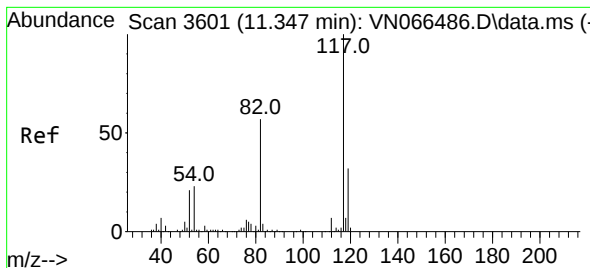
Tgt Ion: 43 Resp: 359007
Ion Ratio Lower Upper
43 100
58 19.5 26.6 79.8#



#62
4-Bromofluorobenzene
Concen: 47.03 ug/l
RT: 12.345 min Scan# 3973
Delta R.T. 0.000 min
Lab File: VN066539.D
Acq: 8 Apr 2021 14:28

Tgt Ion: 95 Resp: 192305
Ion Ratio Lower Upper
95 100
174 89.7 0.0 172.2
176 87.3 0.0 167.8

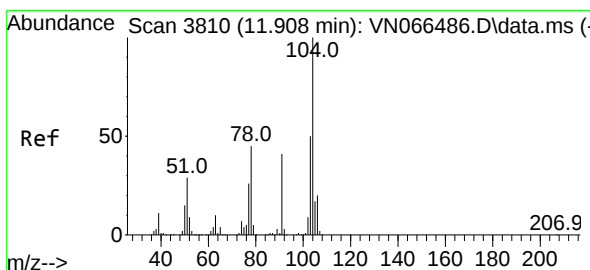
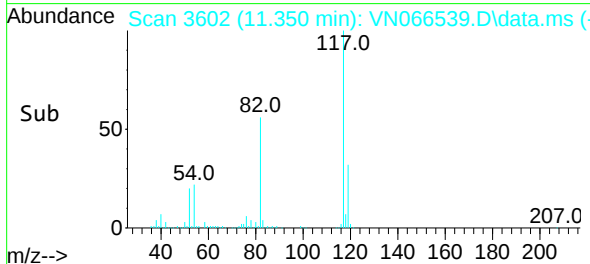
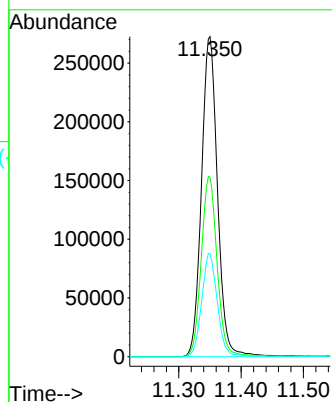
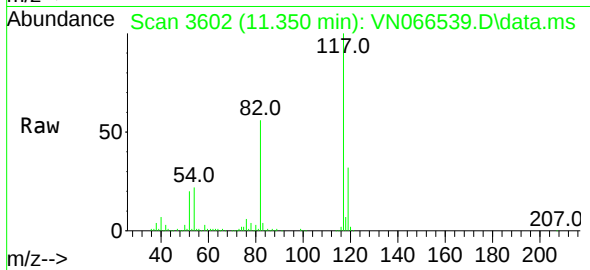




#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 11.350 min Scan# 3602
Delta R.T. 0.003 min
Lab File: VN066539.D
Acq: 8 Apr 2021 14:28

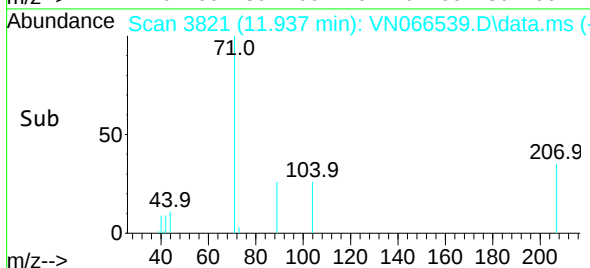
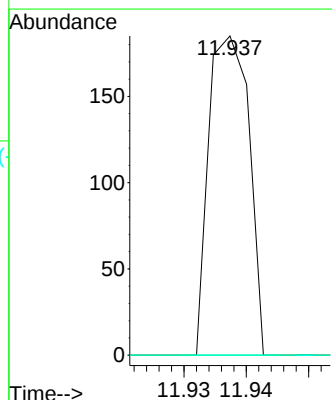
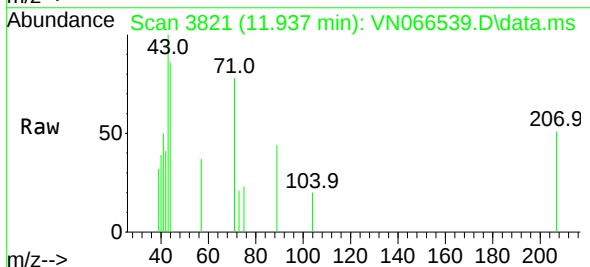
Instrument :
MSVOA_N
ClientSampleId :

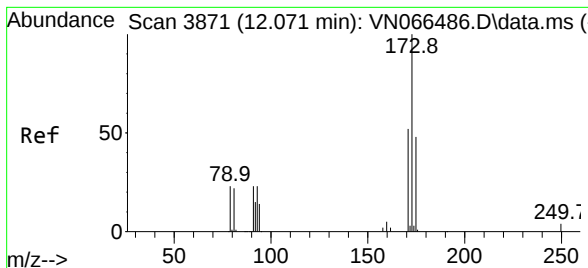
Tgt Ion:117 Resp: 486902
Ion Ratio Lower Upper
117 100
82 56.1 44.2 66.4
119 32.2 25.8 38.6



#70
Styrene
Concen: 2.79 ug/l
RT: 11.937 min Scan# 3821
Delta R.T. 0.029 min
Lab File: VN066539.D
Acq: 8 Apr 2021 14:28

Tgt Ion:104 Resp: 83
Ion Ratio Lower Upper
104 100
78 0.0 40.7 61.1#
103 0.0 44.2 66.2#

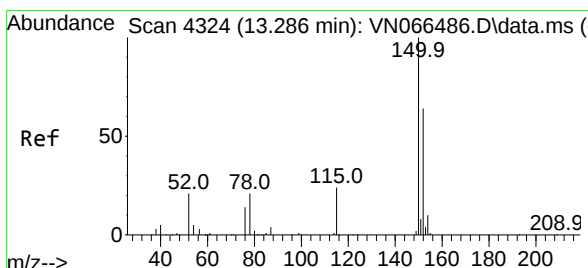
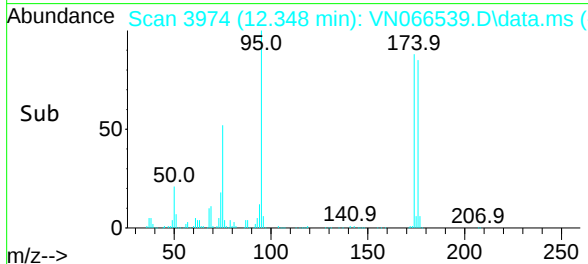
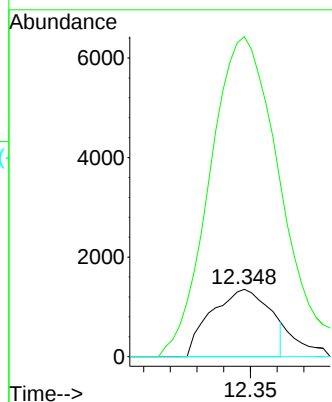
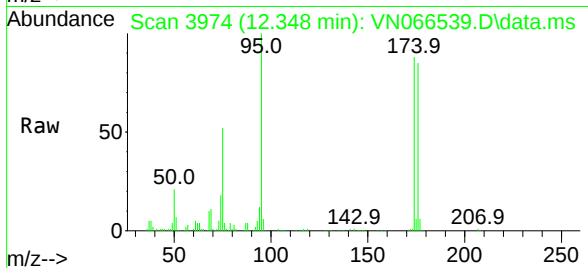




#71
Bromoform
Concen: 0.67 ug/l
RT: 12.348 min Scan# 3974
Delta R.T. 0.277 min
Lab File: VN066539.D
Acq: 8 Apr 2021 14:28

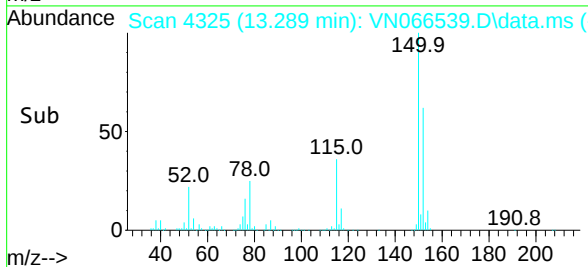
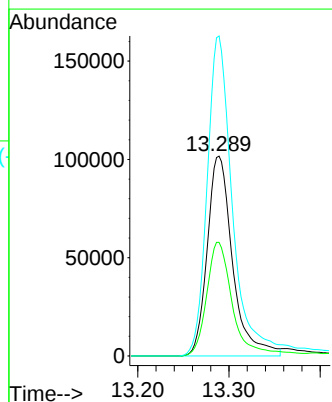
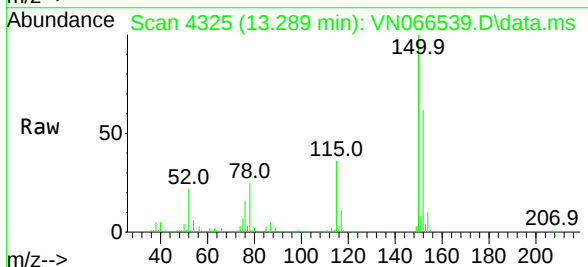
Instrument :
MSVOA_N
ClientSampleId :

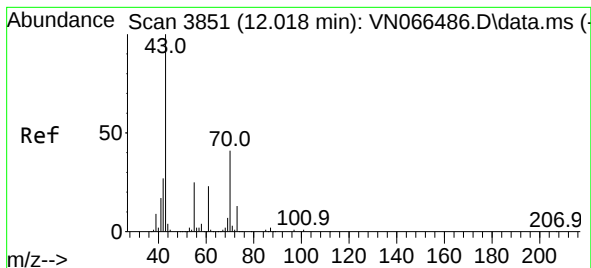
Tgt Ion:173 Resp: 2074
Ion Ratio Lower Upper
173 100
175 491.5 24.3 72.8#
254 0.0 0.0 0.0



#72
1,4-Dichlorobenzene-d4
Concen: 50.00 ug/l
RT: 13.289 min Scan# 4325
Delta R.T. 0.003 min
Lab File: VN066539.D
Acq: 8 Apr 2021 14:28

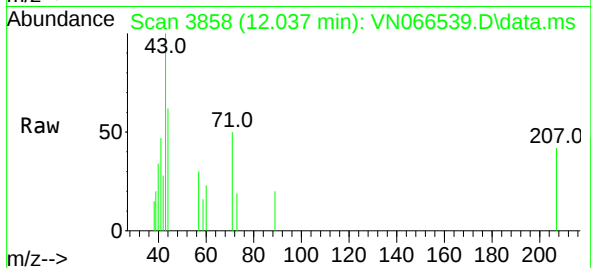
Tgt Ion:152 Resp: 197066
Ion Ratio Lower Upper
152 100
115 58.4 27.8 83.4
150 167.2 0.0 348.4



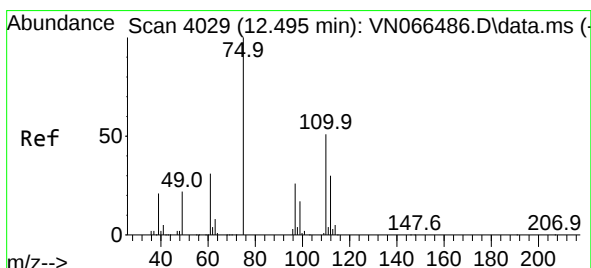
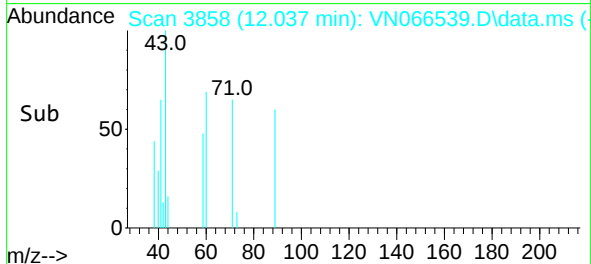
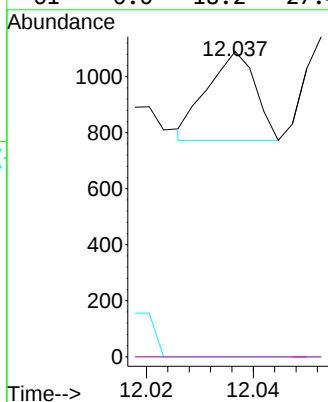


#74
N-amy1 acetate
Concen: 12.76 ug/l
RT: 12.037 min Scan# 3858
Delta R.T. 0.019 min
Lab File: VN066539.D
Acq: 8 Apr 2021 14:28

Instrument :
MSVOA_N
ClientSampleId :

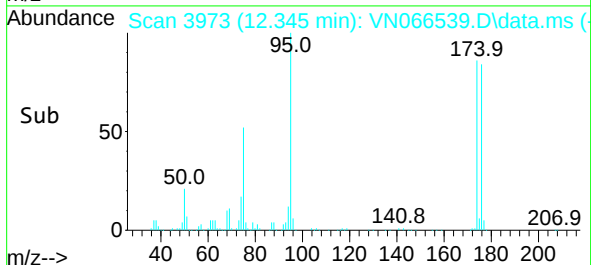
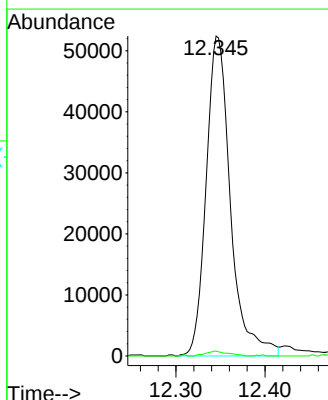
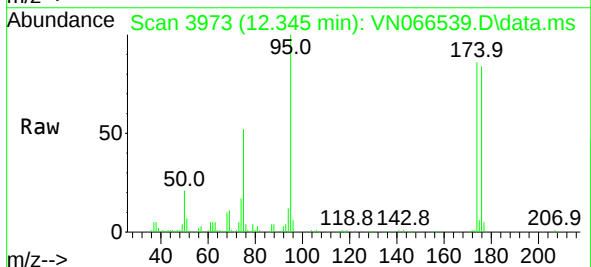


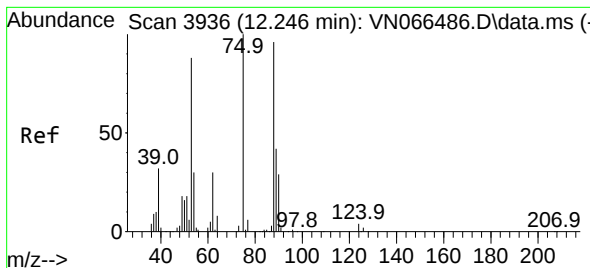
Tgt Ion: 43 Resp: 198
Ion Ratio Lower Upper
43 100
70 0.0 31.2 46.8#
55 25.3 18.6 28.0
61 0.0 18.2 27.4#



#76
1,2,3-Trichloropropane
Concen: 22.37 ug/l
RT: 12.345 min Scan# 3973
Delta R.T. -0.150 min
Lab File: VN066539.D
Acq: 8 Apr 2021 14:28

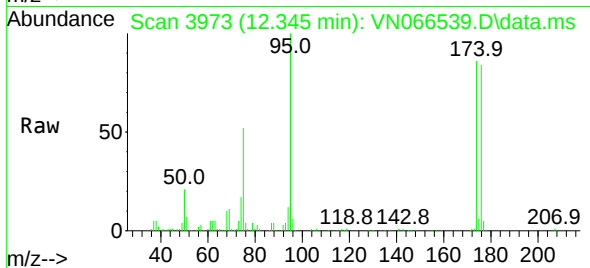
Tgt Ion: 75 Resp: 99426
Ion Ratio Lower Upper
75 100
77 1.4 0.0 0.0#



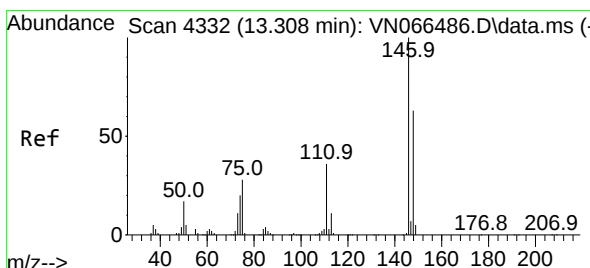
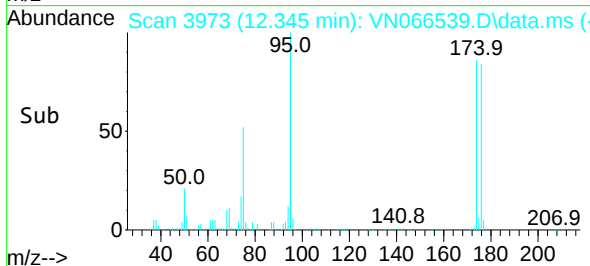
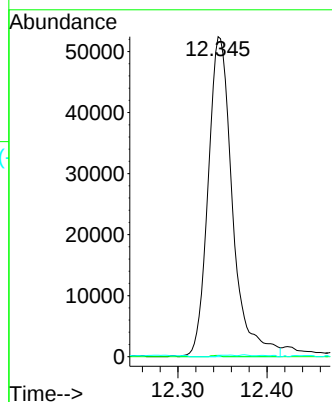


#81
trans-1,4-Dichloro-2-butene
Concen: 62.16 ug/l
RT: 12.345 min Scan# 3973
Delta R.T. 0.099 min
Lab File: VN066539.D
Acq: 8 Apr 2021 14:28

Instrument :
MSVOA_N
ClientSampleId :

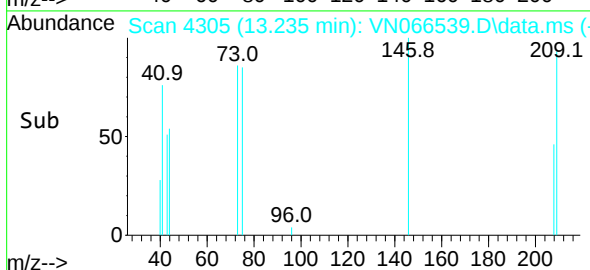
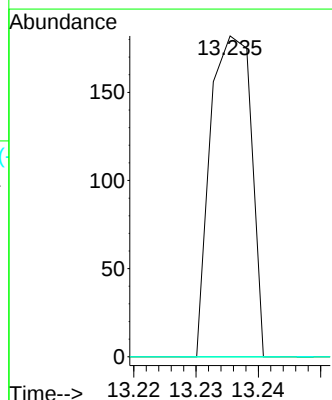
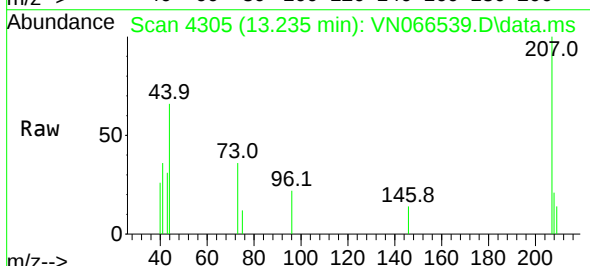


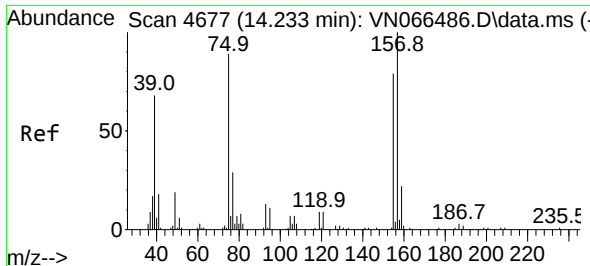
Tgt Ion: 75 Resp: 99426
Ion Ratio Lower Upper
75 100
53 0.1 76.1 114.1#
89 0.3 35.7 53.5#



#88
1,4-Dichlorobenzene
Concen: 1.01 ug/l
RT: 13.235 min Scan# 4305
Delta R.T. -0.073 min
Lab File: VN066539.D
Acq: 8 Apr 2021 14:28

Tgt Ion: 146 Resp: 83
Ion Ratio Lower Upper
146 100
111 0.0 18.3 54.9#
148 0.0 31.9 95.9#

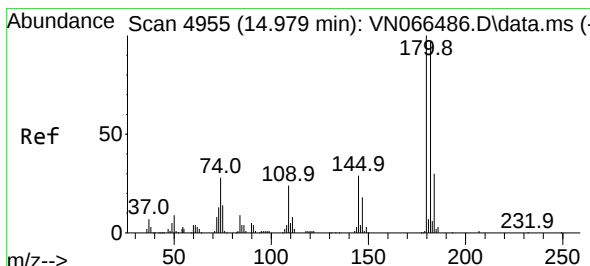
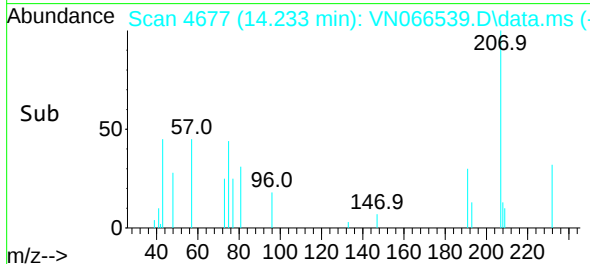
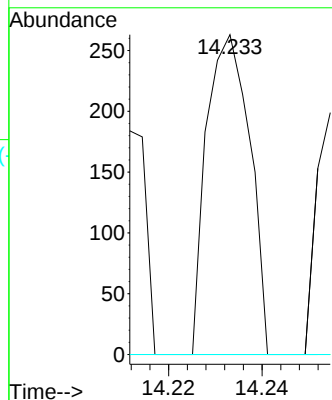
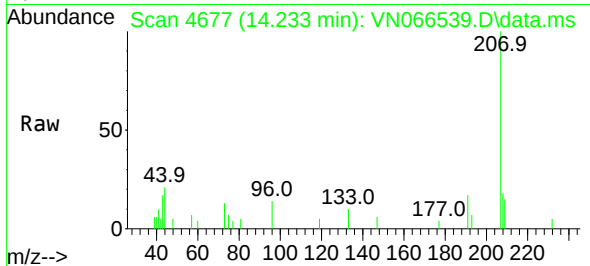




#92
1,2-Dibromo-3-Chloropropane
Concen: 0.50 ug/l
RT: 14.233 min Scan# 4677
Delta R.T. 0.000 min
Lab File: VN066539.D
Acq: 8 Apr 2021 14:28

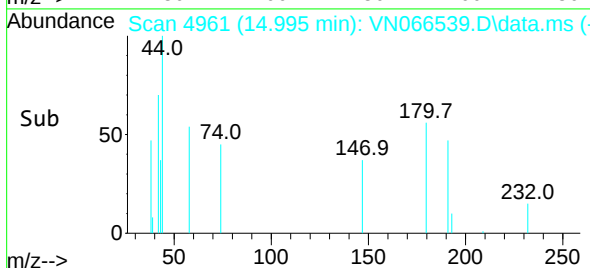
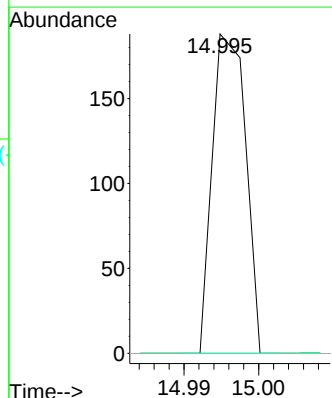
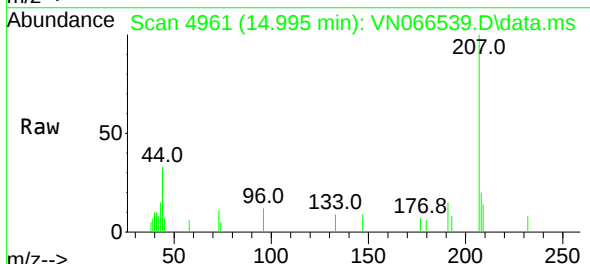
Instrument :
MSVOA_N
ClientSampleId :

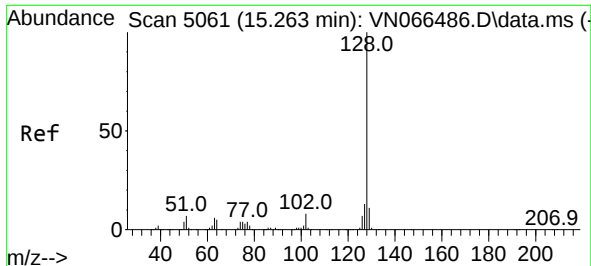
Tgt Ion: 75 Resp: 169
Ion Ratio Lower Upper
75 100
155 0.0 43.8 131.3#
157 0.0 57.6 172.8#



#93
1,2,4-Trichlorobenzene
Concen: 2.25 ug/l
RT: 14.995 min Scan# 4961
Delta R.T. 0.016 min
Lab File: VN066539.D
Acq: 8 Apr 2021 14:28

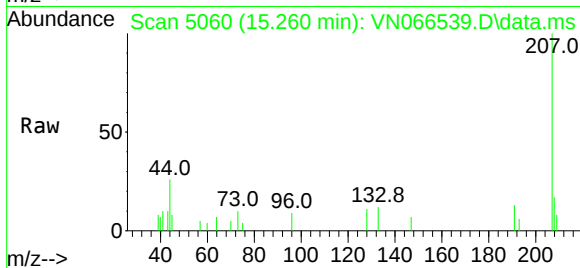
Tgt Ion:180 Resp: 58
Ion Ratio Lower Upper
180 100
182 0.0 47.4 142.3#
145 0.0 14.2 42.8#



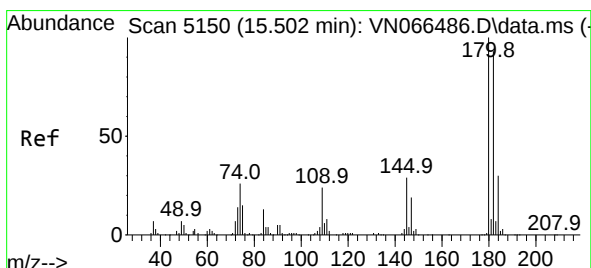
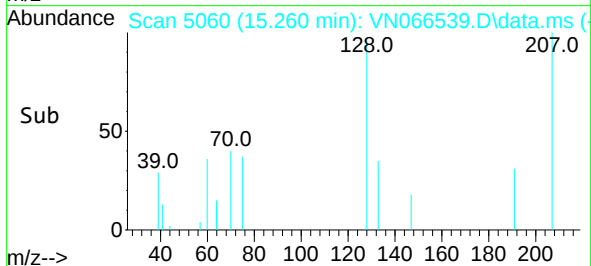
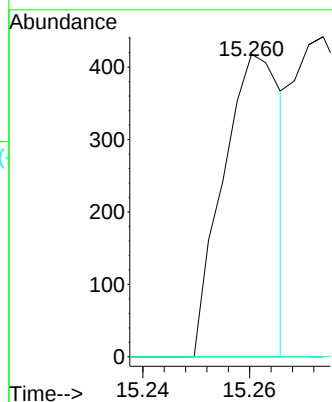


#95
Naphthalene
Concen: 2.00 ug/l
RT: 15.260 min Scan# 5060
Delta R.T. -0.003 min
Lab File: VN066539.D
Acq: 8 Apr 2021 14:28

Instrument :
MSVOA_N
ClientSampled :



Tgt Ion:128 Resp: 313
Ion Ratio Lower Upper
128 100
127 0.0 10.5 15.7#
129 0.0 8.5 12.7#



#96
1,2,3-Trichlorobenzene
Concen: 1.65 ug/l
RT: 15.496 min Scan# 5148
Delta R.T. -0.006 min
Lab File: VN066539.D
Acq: 8 Apr 2021 14:28

Tgt Ion:180 Resp: 137
Ion Ratio Lower Upper
180 100
182 0.0 47.6 142.9#
145 0.0 15.4 46.1#

