

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN040721\
 Data File : VN066514.D
 Acq On : 7 Apr 2021 18:35
 Operator : JC/MD
 Sample : PB135583ZH#03
 Misc : 5.00mL/MSVOA_N/WATER
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :

Quant Time: Apr 08 01:56:52 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)

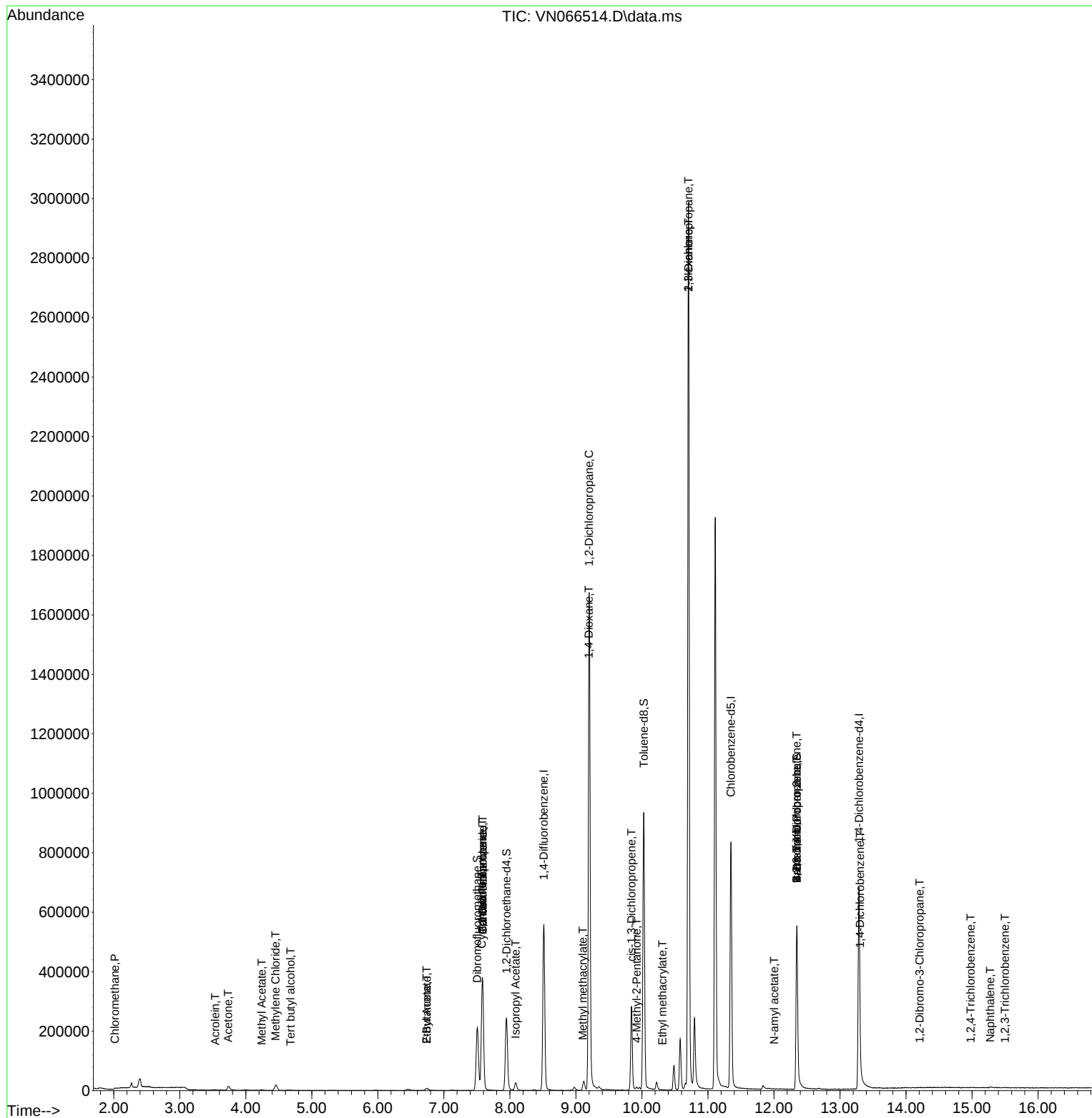
Internal Standards						
1) Pentafluorobenzene	7.587	168	322570	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.515	114	490843	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.347	117	489435	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.289	152	221517	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	7.949	65	208100	48.99	ug/l	0.00
Spiked Amount 50.000	Range 78 - 117		Recovery =	97.98%		
35) Dibromofluoromethane	7.507	113	164060	49.04	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery =	98.08%		
50) Toluene-d8	10.028	98	636061	50.04	ug/l	0.00
Spiked Amount 50.000	Range 92 - 112		Recovery =	100.08%		
62) 4-Bromofluorobenzene	12.348	95	195788	47.50	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery =	95.00%		
Target Compounds						
						Qvalue
3) Chloromethane	2.019	50	1453	0.30	ug/l	91
11) Tert butyl alcohol	4.680	59	156	0.23	ug/l #	85
13) Acrolein	3.540	56	293	4.44	ug/l #	1
16) Acetone	3.733	43	22758	12.78	ug/l	99
18) Methyl Acetate	4.240	43	3449	0.77	ug/l #	82
20) Methylene Chloride	4.452	84	13044	3.41	ug/l	98
25) 2-Butanone	6.742	43	10694	4.00	ug/l	98
31) Cyclohexane	7.576	56	3387	0.58	ug/l #	18
36) 1,1-Dichloropropene	7.585	75	23771	4.98	ug/l #	49
37) Ethyl Acetate	6.742	43	10694	1.81	ug/l #	69
38) Carbon Tetrachloride	7.587	117	29595	6.12	ug/l #	16
43) Isopropyl Acetate	8.086	43	30844	3.37	ug/l	99
45) 1,2-Dichloropropane	9.199	63	2326	0.58	ug/l #	43
48) Methyl methacrylate	9.105	41	7729	1.90	ug/l #	12
49) 1,4-Dioxane	9.194	88	53	0.96	ug/l #	1
51) 4-Methyl-2-Pentanone	9.920	43	5962	1.10	ug/l	94
54) cis-1,3-Dichloropropene	9.843	75	49408	8.12	ug/l #	60
56) Ethyl methacrylate	10.312	69	78	3.73	ug/l #	22
57) 1,3-Dichloropropane	10.706	76	30606	5.00	ug/l #	43
59) 2-Hexanone	10.706	43	420024	106.48	ug/l #	53
71) Bromoform	12.345	173	1449	0.46	ug/l #	1
74) N-amyl acetate	12.004	43	434	12.79	ug/l #	45
76) 1,2,3-Trichloropropane	12.345	75	99854	19.98	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.345	75	99854	56.12	ug/l #	12
88) 1,4-Dichlorobenzene	13.302	146	212	1.03	ug/l #	74
92) 1,2-Dibromo-3-Chloropr...	14.206	75	214	0.52	ug/l #	1
93) 1,2,4-Trichlorobenzene	14.981	180	25	2.24	ug/l #	80
95) Naphthalene	15.276	128	1220	2.06	ug/l #	87
96) 1,2,3-Trichlorobenzene	15.502	180	637	1.75	ug/l #	40

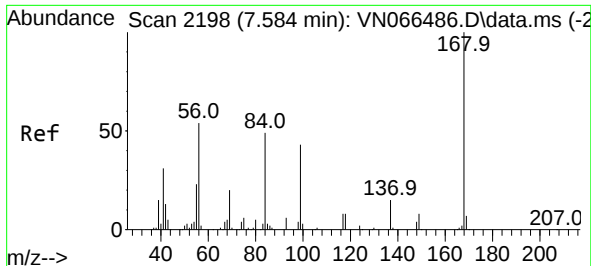
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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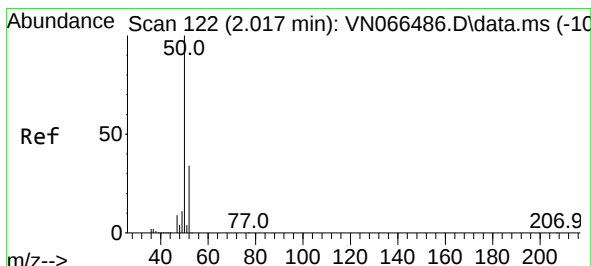
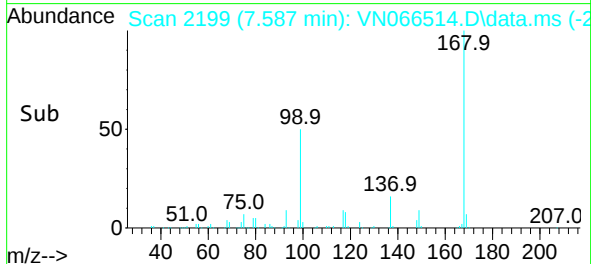
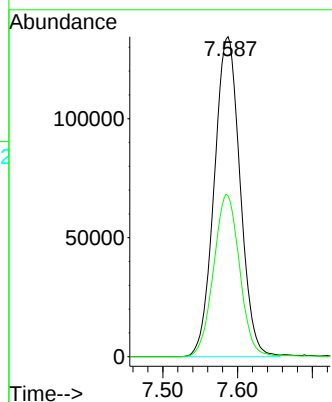
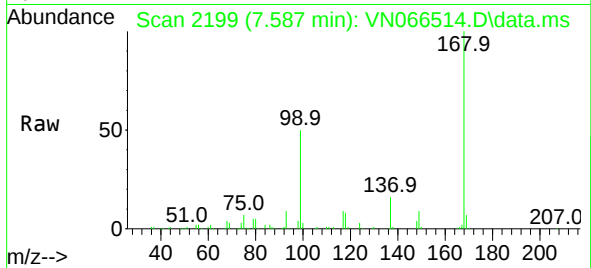




#1
Pentafluorobenzene
Concen: 50.00 ug/l
RT: 7.587 min Scan# 2199
Delta R.T. 0.003 min
Lab File: VN066514.D
Acq: 7 Apr 2021 18:35

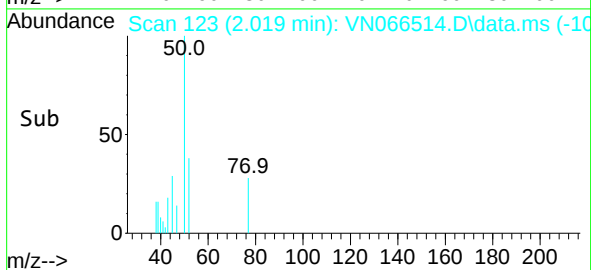
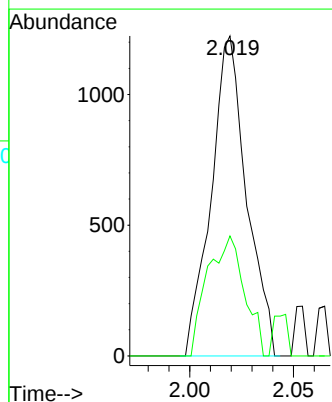
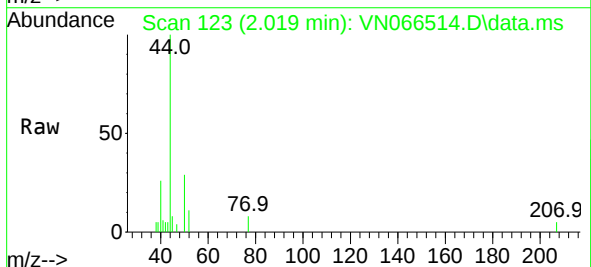
Instrument :
MSVOA_N
ClientSampleId :

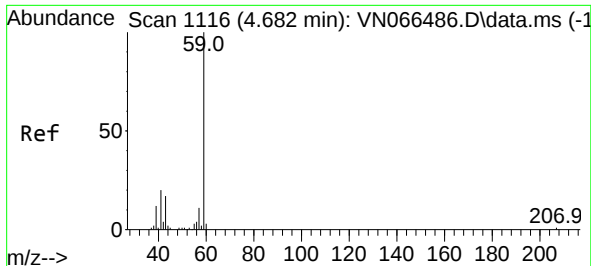
Tgt Ion:168 Resp: 322570
Ion Ratio Lower Upper
168 100
99 50.3 41.1 61.7



#3
Chloromethane
Concen: 0.30 ug/l
RT: 2.019 min Scan# 123
Delta R.T. 0.002 min
Lab File: VN066514.D
Acq: 7 Apr 2021 18:35

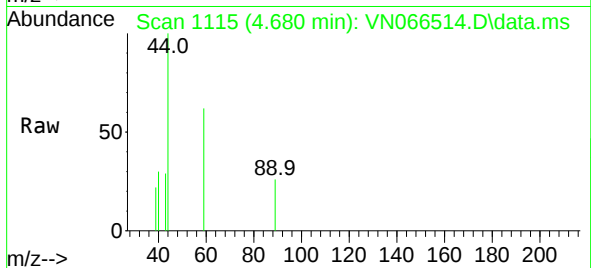
Tgt Ion: 50 Resp: 1453
Ion Ratio Lower Upper
50 100
52 37.5 26.2 39.2



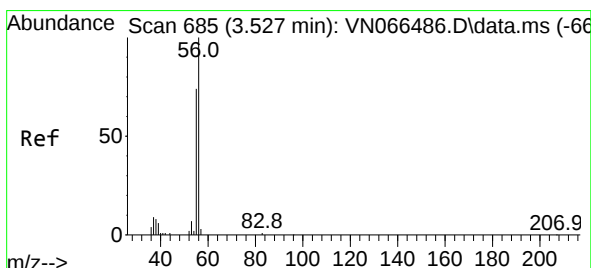
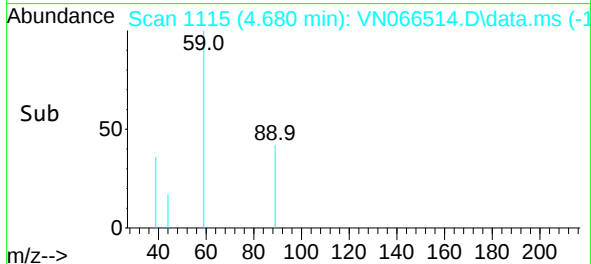


#11
Tert butyl alcohol
Concen: 0.23 ug/l
RT: 4.680 min Scan# 1115
Delta R.T. -0.002 min
Lab File: VN066514.D
Acq: 7 Apr 2021 18:35

Instrument :
MSVOA_N
ClientSampled :

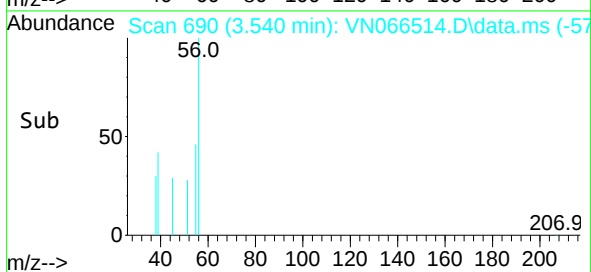
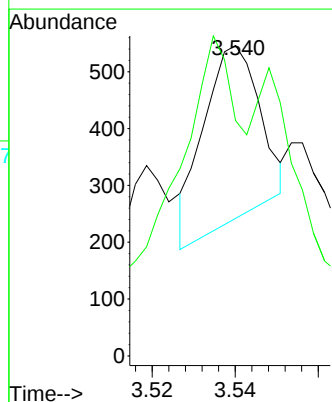
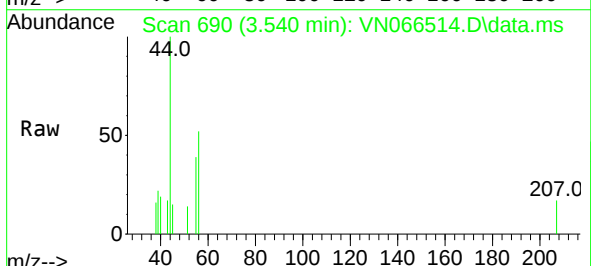


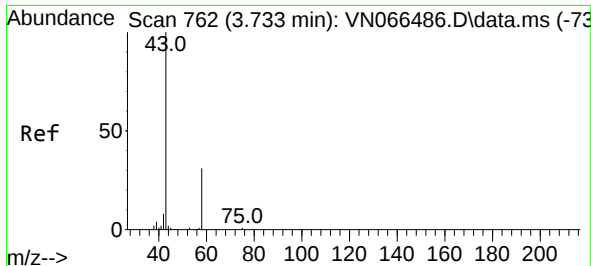
Tgt Ion: 59 Resp: 156
Ion Ratio Lower Upper
59 100
57 0.0 4.1 6.1#



#13
Acrolein
Concen: 4.44 ug/l
RT: 3.540 min Scan# 690
Delta R.T. 0.013 min
Lab File: VN066514.D
Acq: 7 Apr 2021 18:35

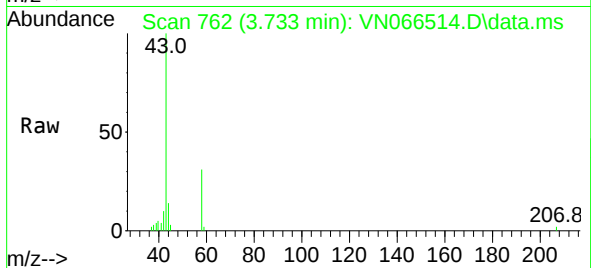
Tgt Ion: 56 Resp: 293
Ion Ratio Lower Upper
56 100
55 226.6 57.9 86.9#



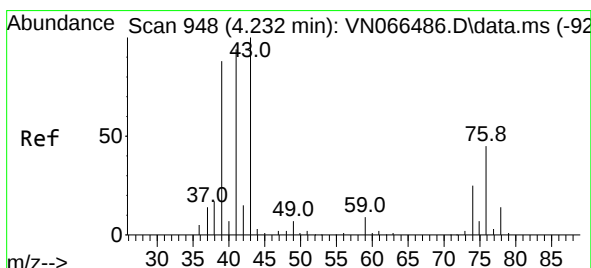
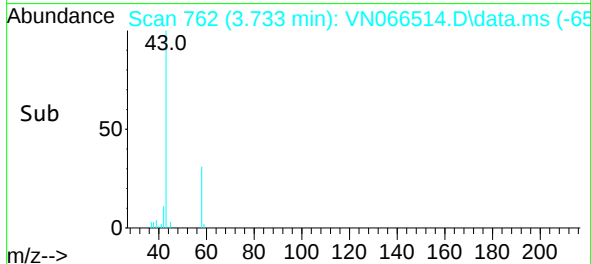
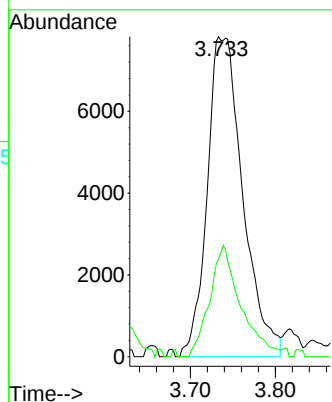


#16
Acetone
Concen: 12.78 ug/l
RT: 3.733 min Scan# 762
Delta R.T. 0.000 min
Lab File: VN066514.D
Acq: 7 Apr 2021 18:35

Instrument :
MSVOA_N
ClientSampled :

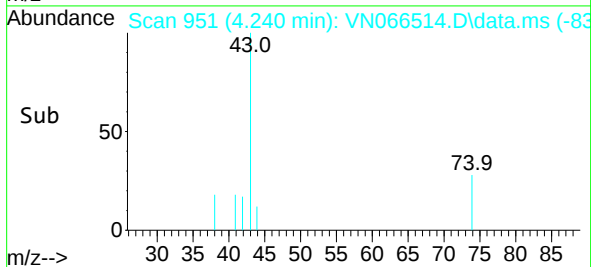
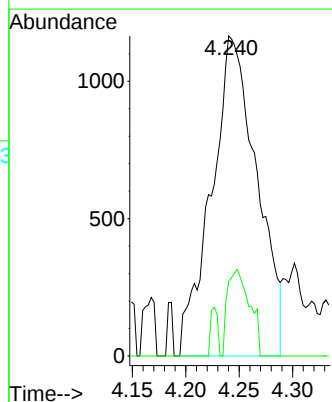
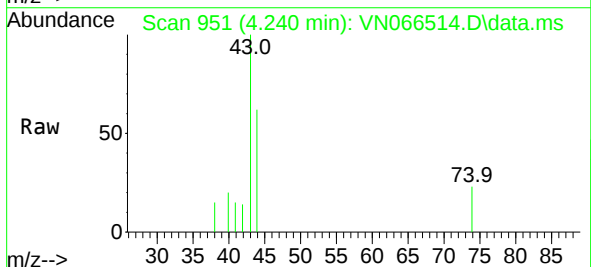


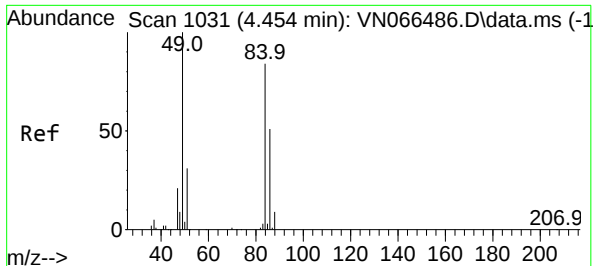
Tgt Ion: 43 Resp: 22758
Ion Ratio Lower Upper
43 100
58 30.5 23.8 35.8



#18
Methyl Acetate
Concen: 0.77 ug/l
RT: 4.240 min Scan# 951
Delta R.T. 0.008 min
Lab File: VN066514.D
Acq: 7 Apr 2021 18:35

Tgt Ion: 43 Resp: 3449
Ion Ratio Lower Upper
43 100
74 13.2 17.6 26.4#





#20

Methylene Chloride

Concen: 3.41 ug/l

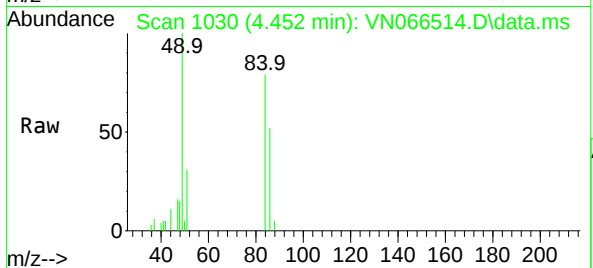
RT: 4.452 min Scan# 1030

Delta R.T. -0.002 min

Lab File: VN066514.D

Acq: 7 Apr 2021 18:35

Instrument :
MSVOA_N
ClientSampleId :



Tgt Ion: 84 Resp: 13044

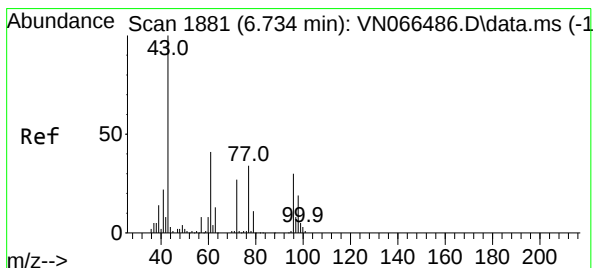
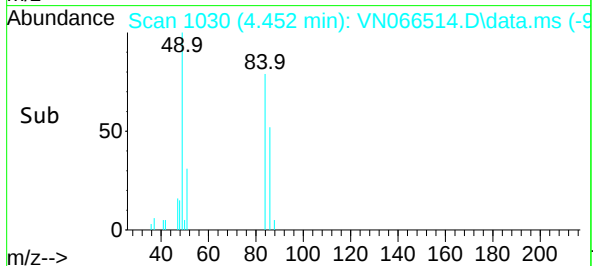
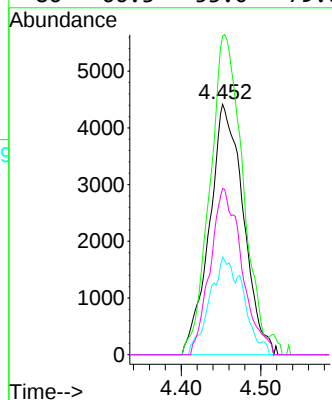
Ion Ratio Lower Upper

84 100

49 127.3 105.0 157.6

51 38.9 31.6 47.4

86 66.3 53.0 79.6



#25

2-Butanone

Concen: 4.00 ug/l

RT: 6.742 min Scan# 1884

Delta R.T. 0.008 min

Lab File: VN066514.D

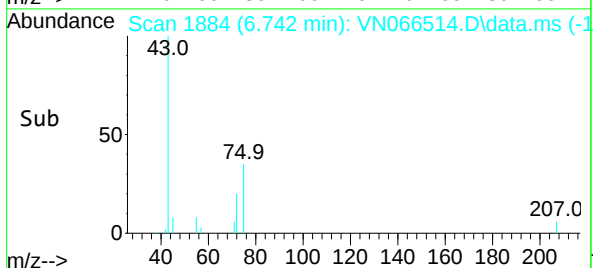
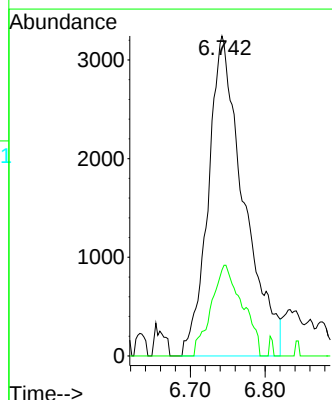
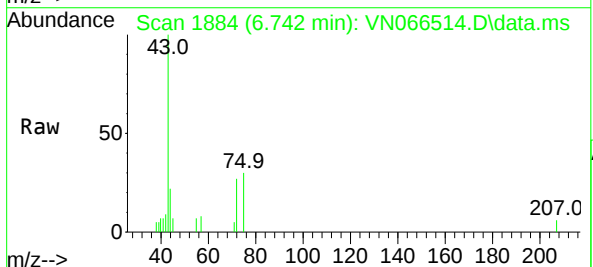
Acq: 7 Apr 2021 18:35

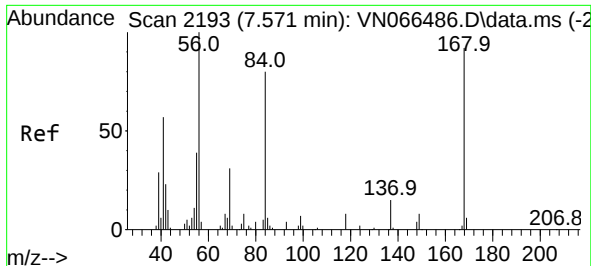
Tgt Ion: 43 Resp: 10694

Ion Ratio Lower Upper

43 100

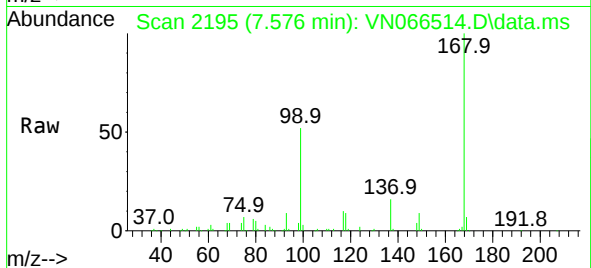
72 26.9 20.7 31.1



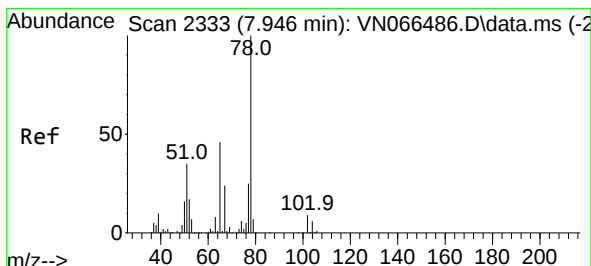
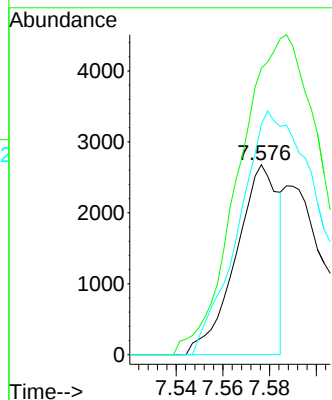
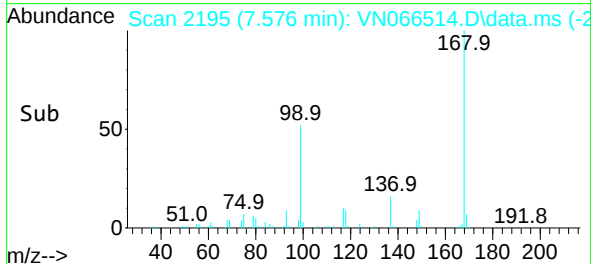


#31
Cyclohexane
Concen: 0.58 ug/l
RT: 7.576 min Scan# 2195
Delta R.T. 0.005 min
Lab File: VN066514.D
Acq: 7 Apr 2021 18:35

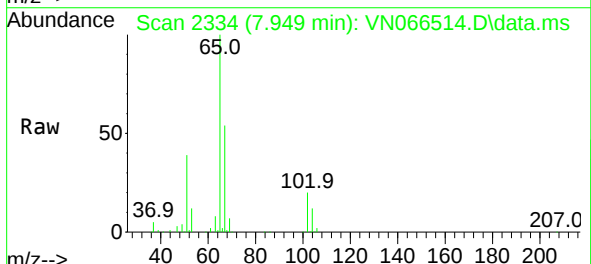
Instrument :
MSVOA_N
ClientSampled :



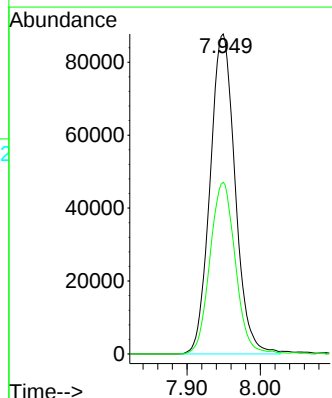
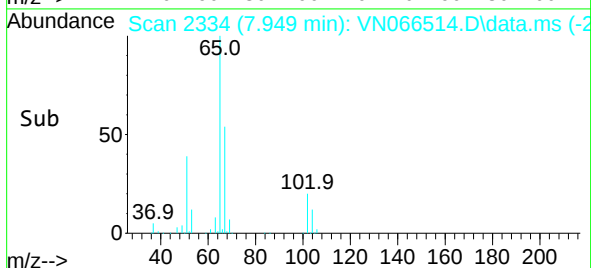
Tgt Ion: 56 Resp: 3387
Ion Ratio Lower Upper
56 100
69 143.5 26.6 40.0#
84 121.1 68.7 103.1#

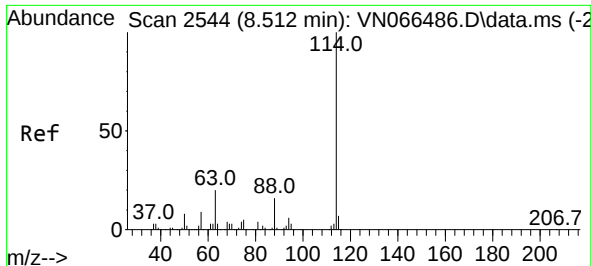


#33
1,2-Dichloroethane-d4
Concen: 48.99 ug/l
RT: 7.949 min Scan# 2334
Delta R.T. 0.003 min
Lab File: VN066514.D
Acq: 7 Apr 2021 18:35



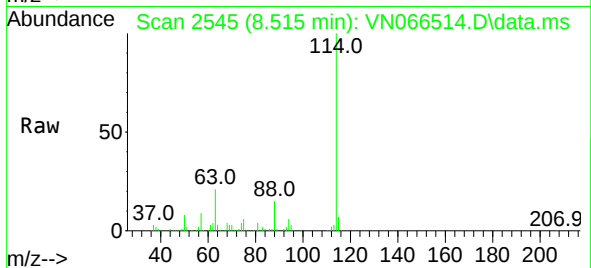
Tgt Ion: 65 Resp: 208100
Ion Ratio Lower Upper
65 100
67 54.1 0.0 105.2



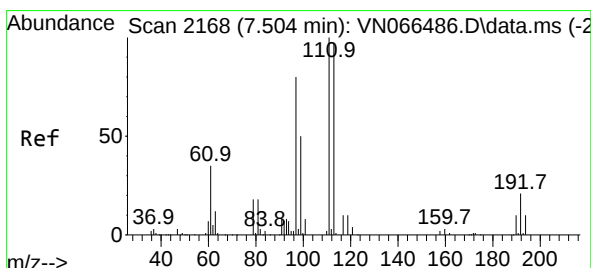
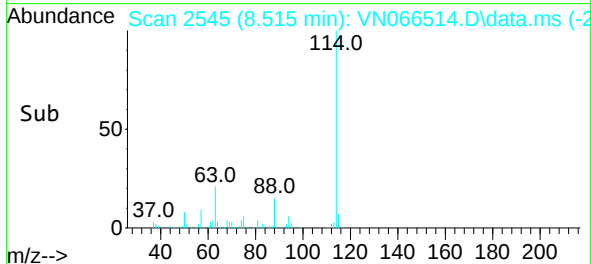
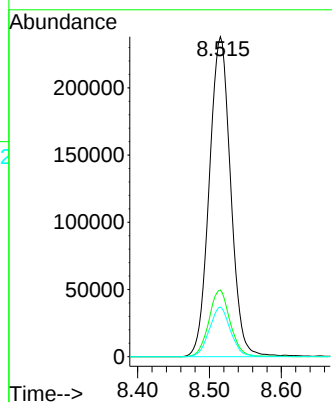


#34
1,4-Difluorobenzene
Concen: 50.00 ug/l
RT: 8.515 min Scan# 2545
Delta R.T. 0.003 min
Lab File: VN066514.D
Acq: 7 Apr 2021 18:35

Instrument :
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ClientSampleId :

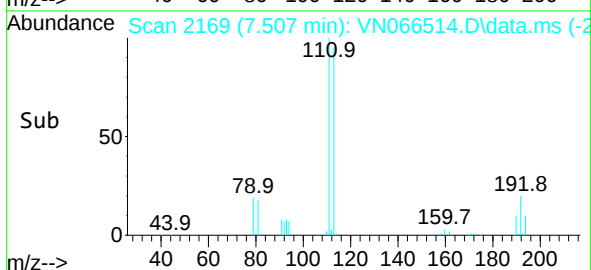
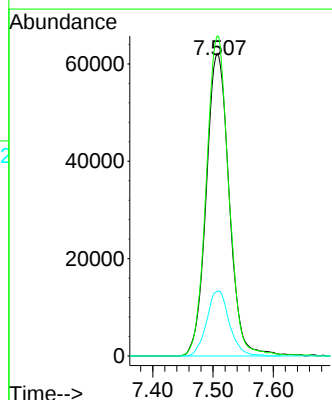
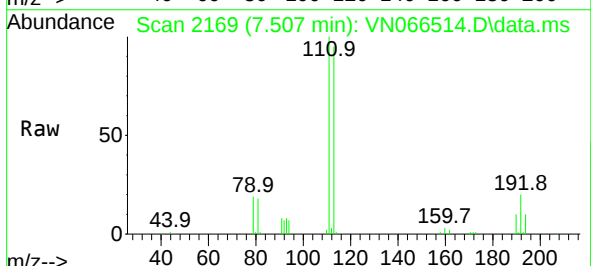


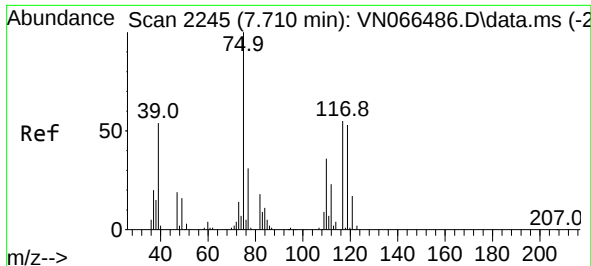
Tgt Ion:114 Resp: 490843
Ion Ratio Lower Upper
114 100
63 20.9 0.0 42.0
88 15.5 0.0 31.0



#35
Dibromofluoromethane
Concen: 49.04 ug/l
RT: 7.507 min Scan# 2169
Delta R.T. 0.003 min
Lab File: VN066514.D
Acq: 7 Apr 2021 18:35

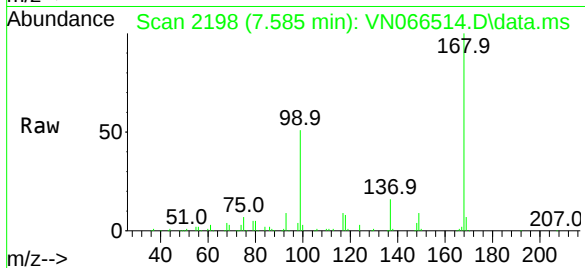
Tgt Ion:113 Resp: 164060
Ion Ratio Lower Upper
113 100
111 103.2 81.8 122.8
192 21.1 17.1 25.7



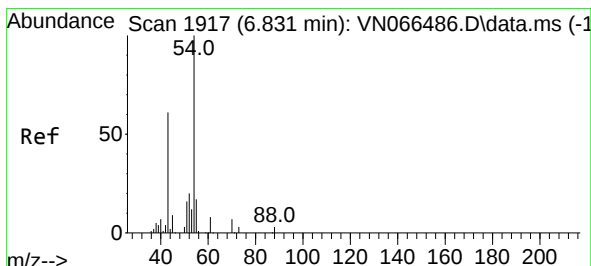
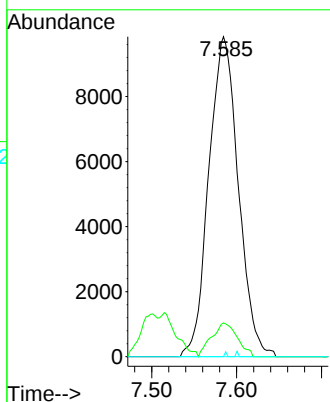
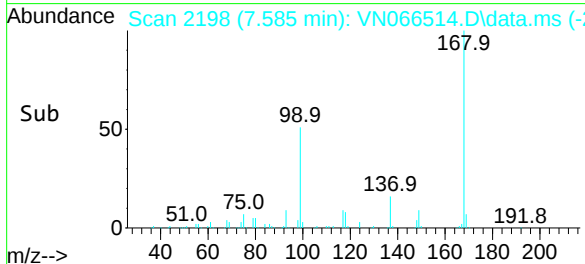


#36
1,1-Dichloropropene
Concen: 4.98 ug/l
RT: 7.585 min Scan# 2198
Delta R.T. -0.125 min
Lab File: VN066514.D
Acq: 7 Apr 2021 18:35

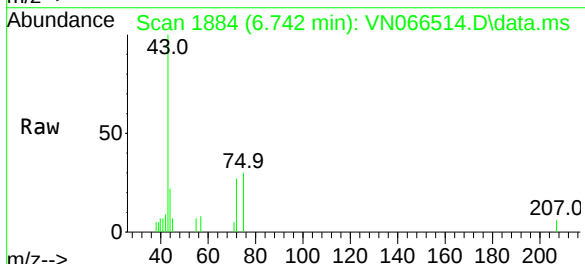
Instrument :
MSVOA_N
ClientSampled :



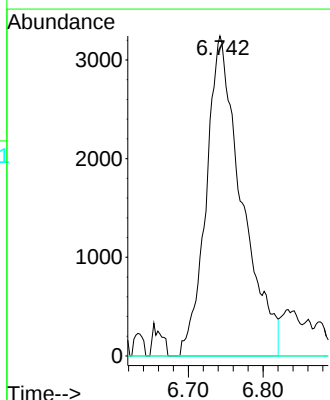
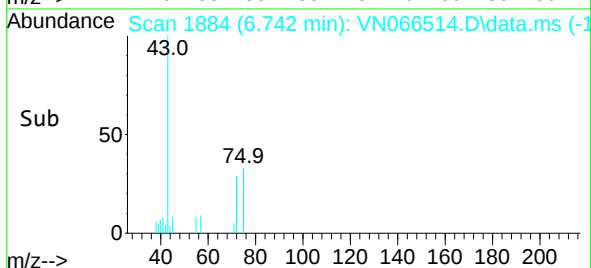
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Ion Ratio Lower Upper
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110 9.2 18.1 54.3#
77 0.1 25.0 37.4#

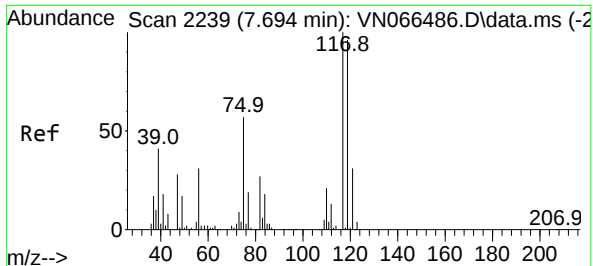


#37
Ethyl Acetate
Concen: 1.81 ug/l
RT: 6.742 min Scan# 1884
Delta R.T. -0.089 min
Lab File: VN066514.D
Acq: 7 Apr 2021 18:35



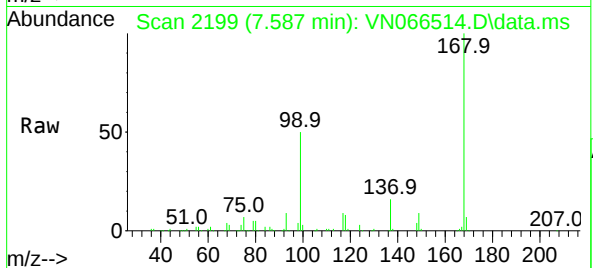
Tgt Ion: 43 Resp: 10694
Ion Ratio Lower Upper
43 100
61 0.0 11.1 16.7#
70 0.0 8.0 12.0#



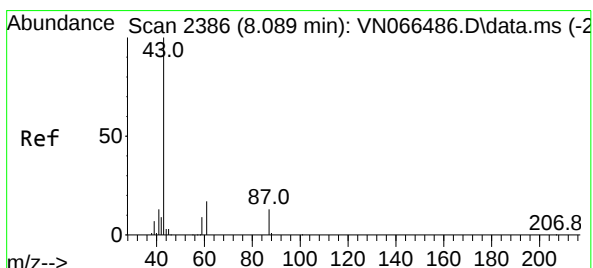
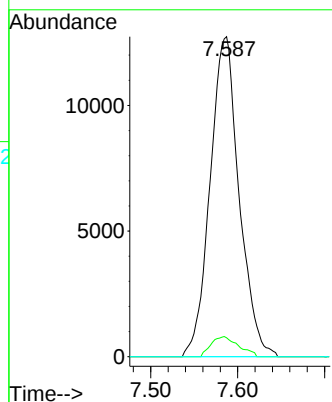
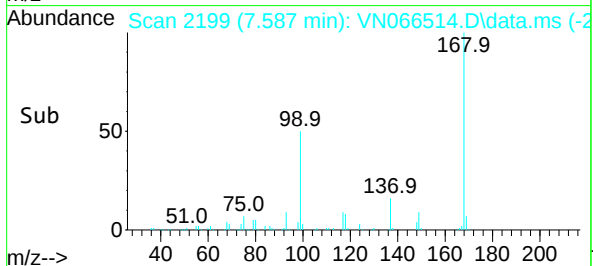


#38
Carbon Tetrachloride
Concen: 6.12 ug/l
RT: 7.587 min Scan# 2199
Delta R.T. -0.107 min
Lab File: VN066514.D
Acq: 7 Apr 2021 18:35

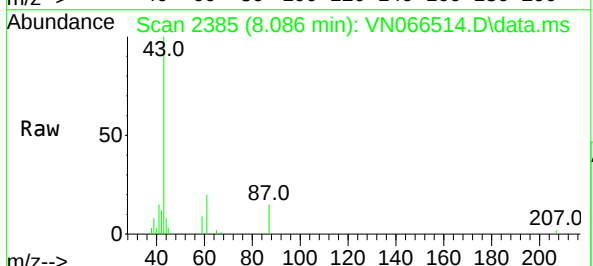
Instrument :
MSVOA_N
ClientSampleId :



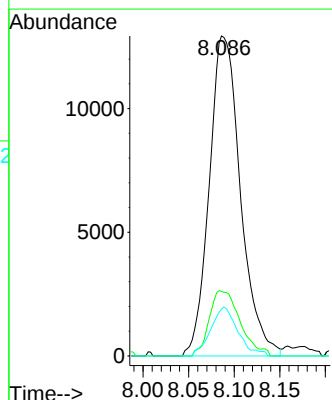
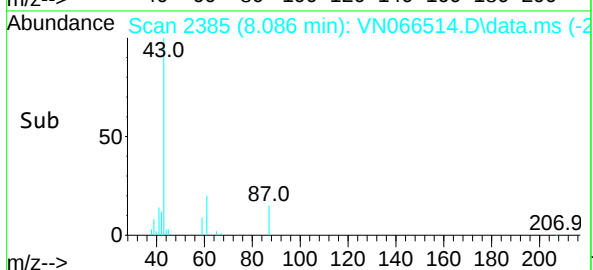
Tgt Ion:117 Resp: 29595
Ion Ratio Lower Upper
117 100
119 5.9 77.2 115.8#
121 0.0 24.2 36.4#

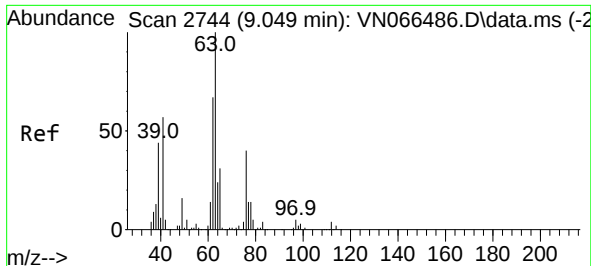


#43
Isopropyl Acetate
Concen: 3.37 ug/l
RT: 8.086 min Scan# 2385
Delta R.T. -0.003 min
Lab File: VN066514.D
Acq: 7 Apr 2021 18:35



Tgt Ion: 43 Resp: 30844
Ion Ratio Lower Upper
43 100
61 20.1 15.5 23.3
87 13.3 10.5 15.7

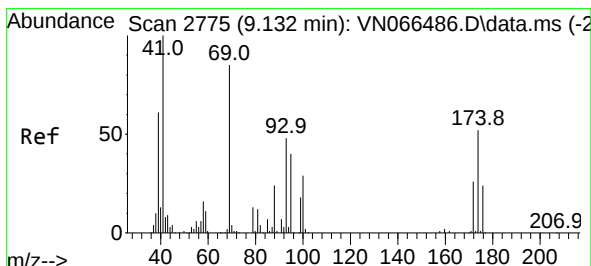
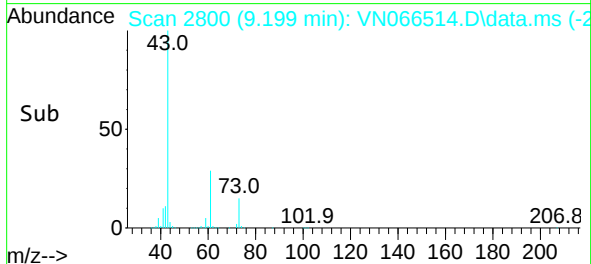
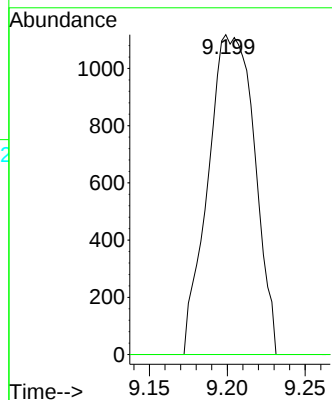
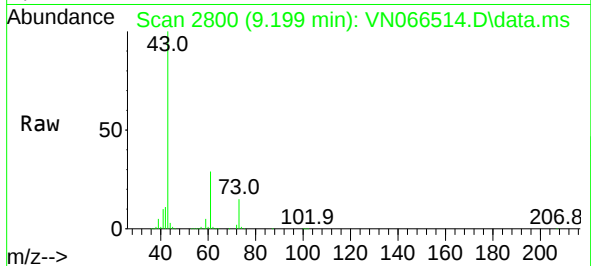




#45
1,2-Dichloropropane
Concen: 0.58 ug/l
RT: 9.199 min Scan# 2800
Delta R.T. 0.150 min
Lab File: VN066514.D
Acq: 7 Apr 2021 18:35

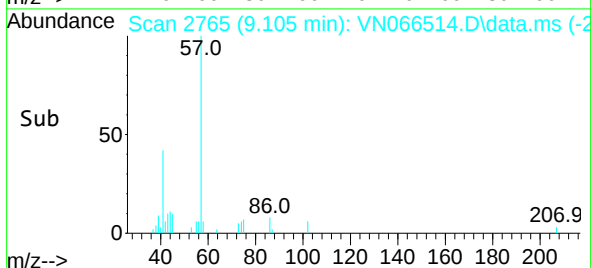
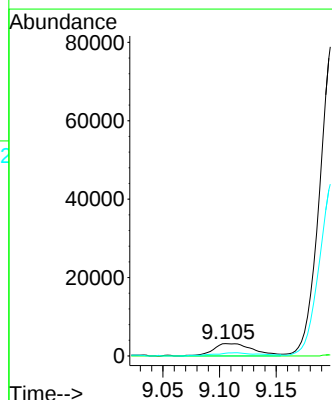
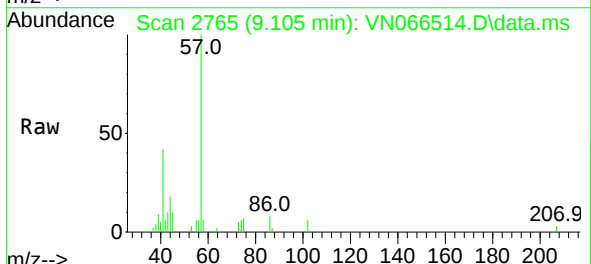
Instrument :
MSVOA_N
ClientSampled :

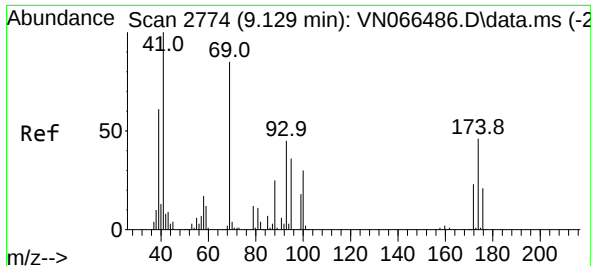
Tgt Ion: 63 Resp: 2326
Ion Ratio Lower Upper
63 100
65 0.0 25.5 38.3#



#48
Methyl methacrylate
Concen: 1.90 ug/l
RT: 9.105 min Scan# 2765
Delta R.T. -0.027 min
Lab File: VN066514.D
Acq: 7 Apr 2021 18:35

Tgt Ion: 41 Resp: 7729
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: 0.96 ug/l

RT: 9.194 min Scan# 2798

Delta R.T. 0.065 min

Lab File: VN066514.D

Acq: 7 Apr 2021 18:35

Tgt Ion: 88 Resp: 53

Ion Ratio Lower Upper

88 100

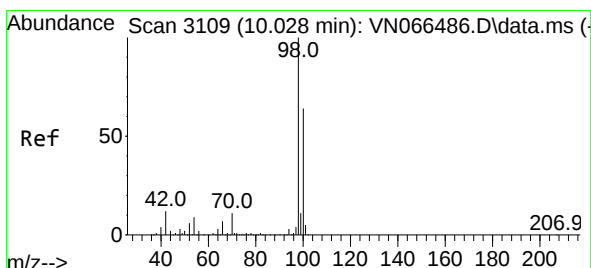
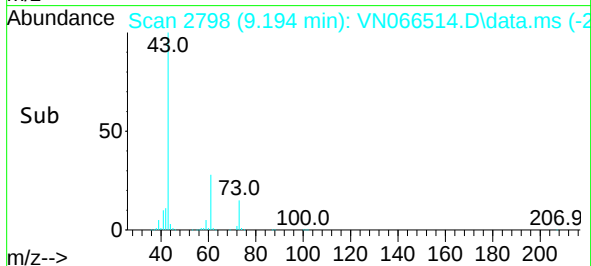
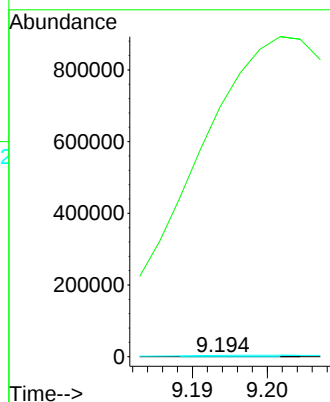
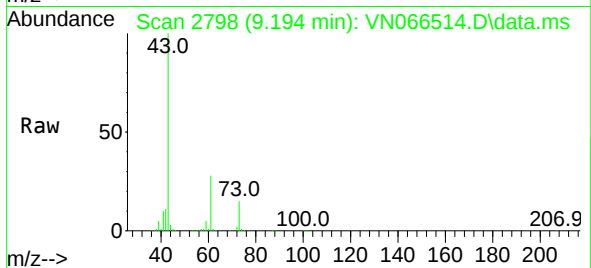
43 3163635.8 28.2 42.4#

58 15313.2 56.6 84.8#

Instrument :

MSVOA_N

ClientSampled :



#50

Toluene-d8

Concen: 50.04 ug/l

RT: 10.028 min Scan# 3109

Delta R.T. -0.000 min

Lab File: VN066514.D

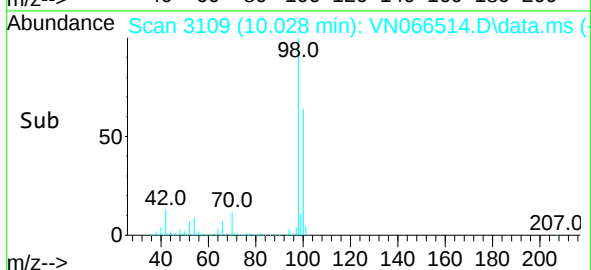
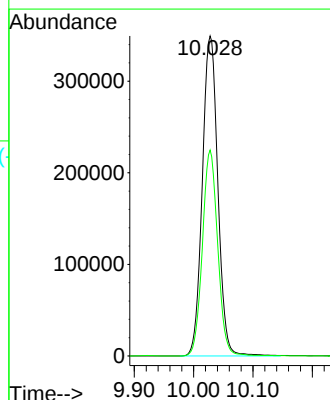
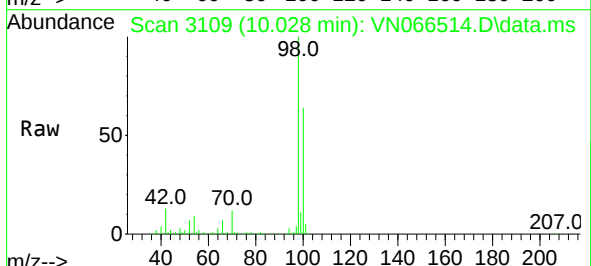
Acq: 7 Apr 2021 18:35

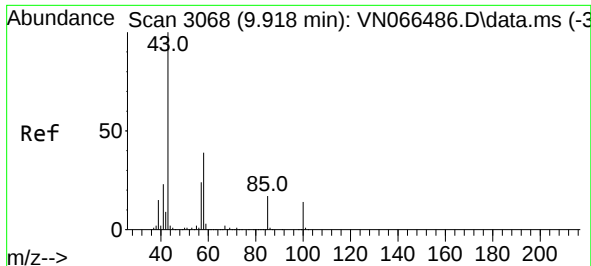
Tgt Ion: 98 Resp: 636061

Ion Ratio Lower Upper

98 100

100 63.2 50.5 75.7

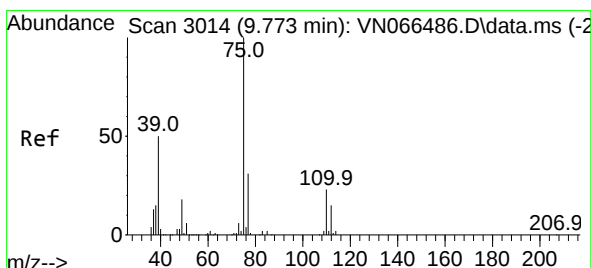
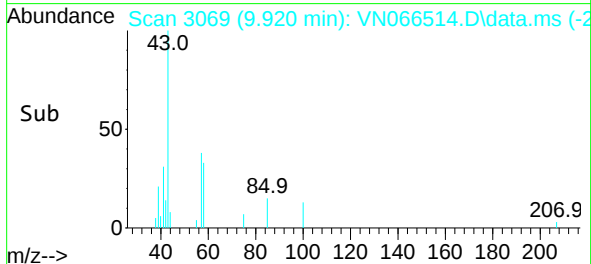
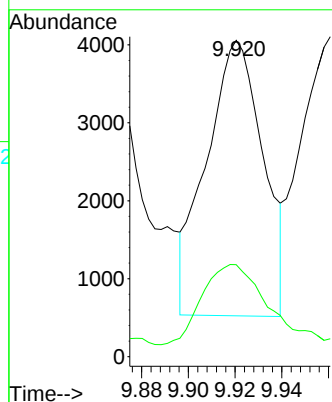
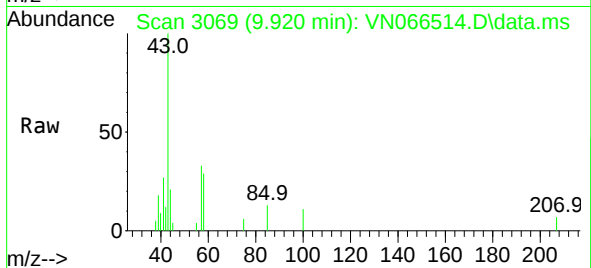




#51
4-Methyl-2-Pentanone
Concen: 1.10 ug/l
RT: 9.920 min Scan# 3069
Delta R.T. 0.002 min
Lab File: VN066514.D
Acq: 7 Apr 2021 18:35

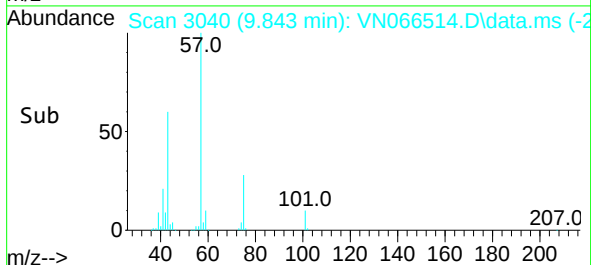
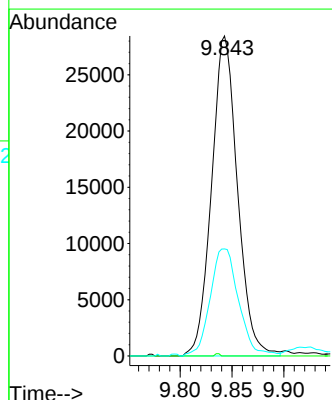
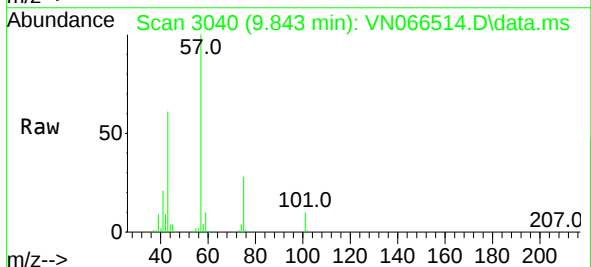
Instrument :
MSVOA_N
ClientSampled :

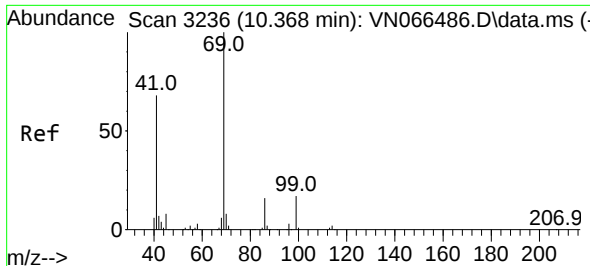
Tgt Ion: 43 Resp: 5962
Ion Ratio Lower Upper
43 100
58 34.9 30.8 46.2



#54
cis-1,3-Dichloropropene
Concen: 8.12 ug/l
RT: 9.843 min Scan# 3040
Delta R.T. 0.070 min
Lab File: VN066514.D
Acq: 7 Apr 2021 18:35

Tgt Ion: 75 Resp: 49408
Ion Ratio Lower Upper
75 100
77 0.0 25.4 38.2#
39 33.5 44.2 66.4#

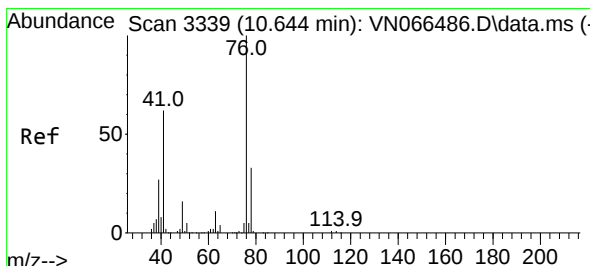
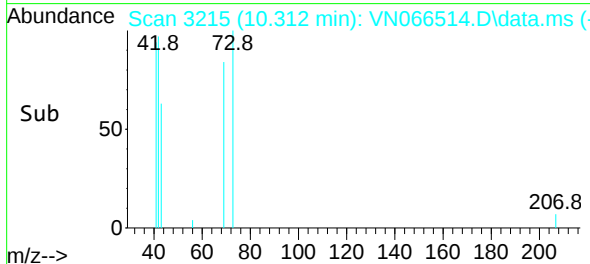
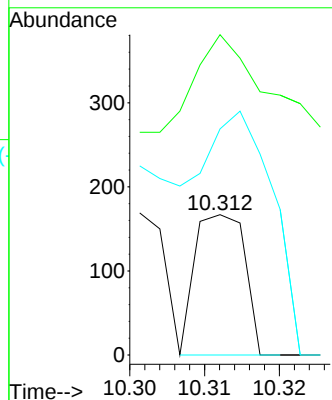
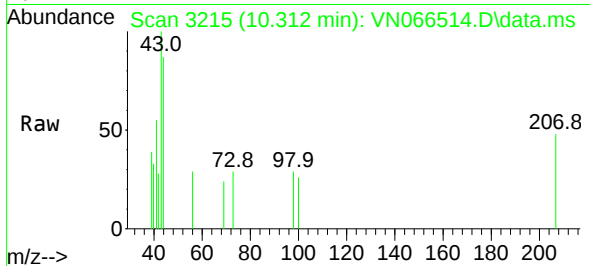




#56
Ethyl methacrylate
Concen: 3.73 ug/l
RT: 10.312 min Scan# 3215
Delta R.T. -0.056 min
Lab File: VN066514.D
Acq: 7 Apr 2021 18:35

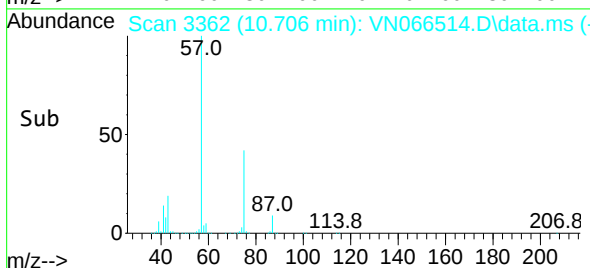
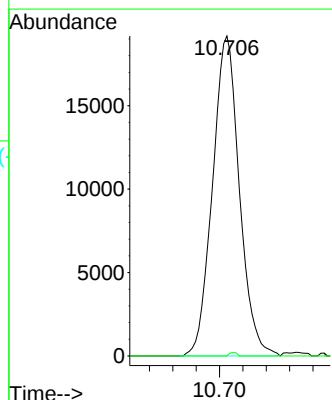
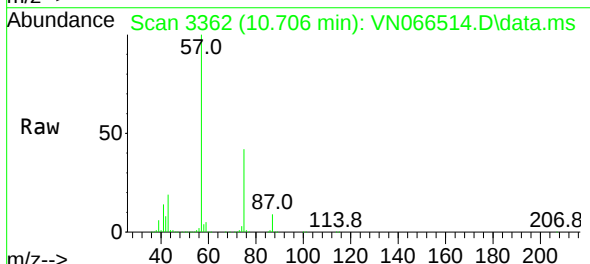
Instrument :
MSVOA_N
ClientSampleId :

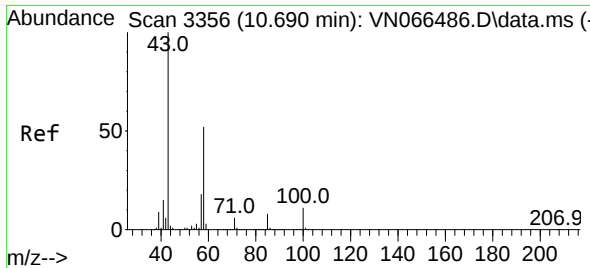
Tgt Ion: 69 Resp: 78
Ion Ratio Lower Upper
69 100
41 0.0 55.3 82.9#
39 0.0 33.8 50.6#



#57
1,3-Dichloropropane
Concen: 5.00 ug/l
RT: 10.706 min Scan# 3362
Delta R.T. 0.062 min
Lab File: VN066514.D
Acq: 7 Apr 2021 18:35

Tgt Ion: 76 Resp: 30606
Ion Ratio Lower Upper
76 100
78 0.3 25.9 38.9#

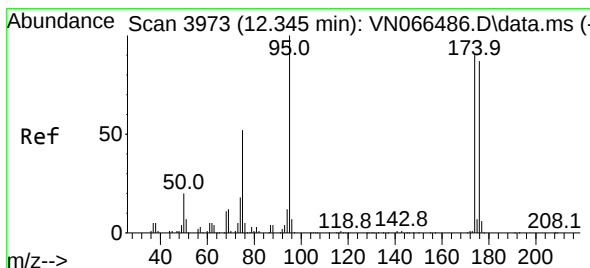
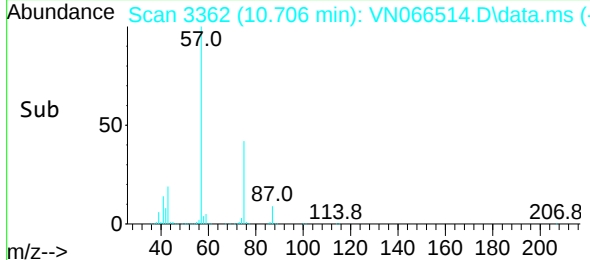
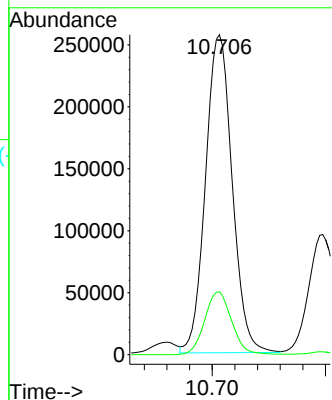
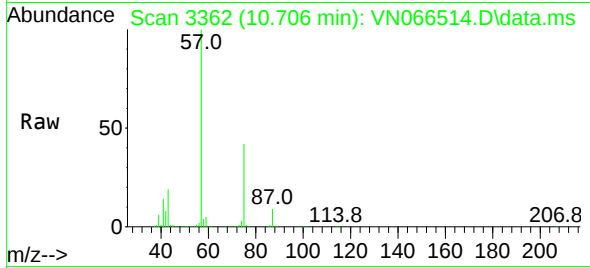




#59
2-Hexanone
Concen: 106.48 ug/l
RT: 10.706 min Scan# 3362
Delta R.T. 0.016 min
Lab File: VN066514.D
Acq: 7 Apr 2021 18:35

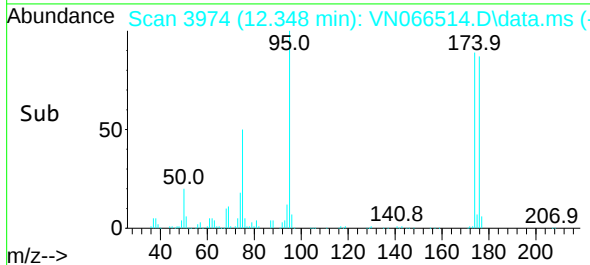
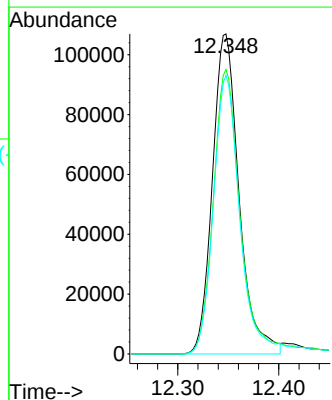
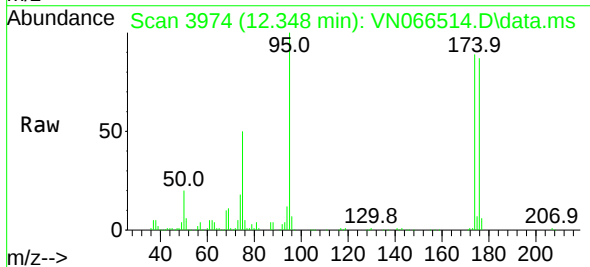
Instrument :
MSVOA_N
ClientSampleId :

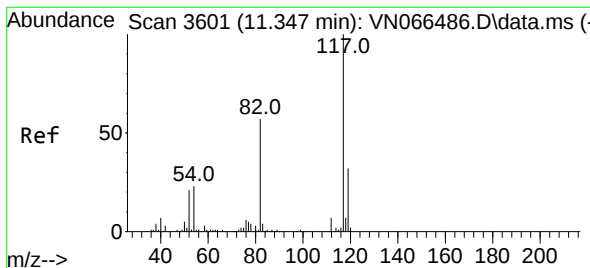
Tgt Ion: 43 Resp: 420024
Ion Ratio Lower Upper
43 100
58 20.0 26.6 79.8#



#62
4-Bromofluorobenzene
Concen: 47.50 ug/l
RT: 12.348 min Scan# 3974
Delta R.T. 0.003 min
Lab File: VN066514.D
Acq: 7 Apr 2021 18:35

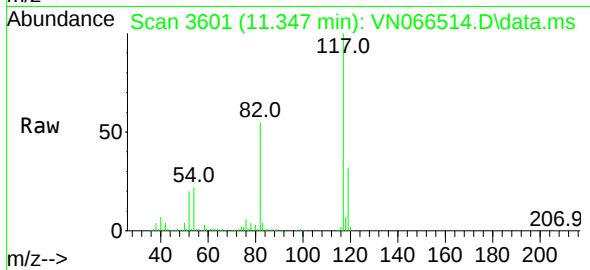
Tgt Ion: 95 Resp: 195788
Ion Ratio Lower Upper
95 100
174 92.7 0.0 172.2
176 86.1 0.0 167.8



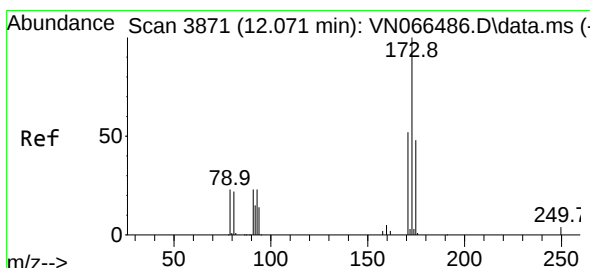
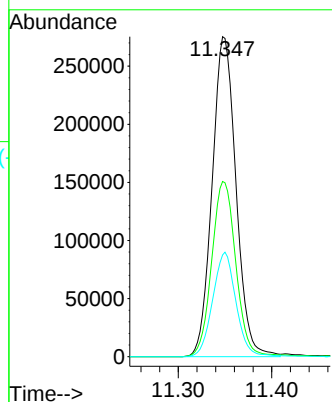
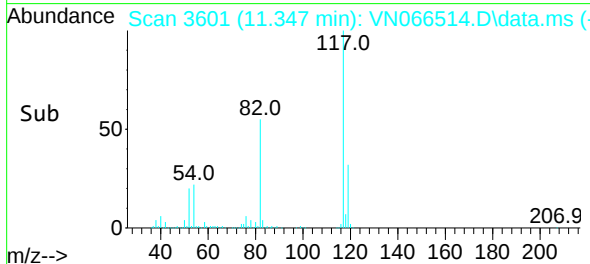


#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 11.347 min Scan# 3601
Delta R.T. 0.000 min
Lab File: VN066514.D
Acq: 7 Apr 2021 18:35

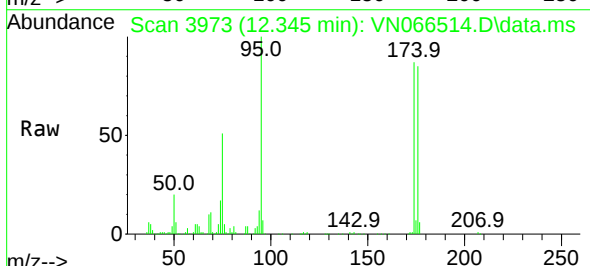
Instrument :
MSVOA_N
ClientSampled :



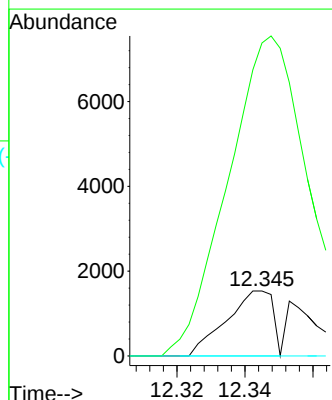
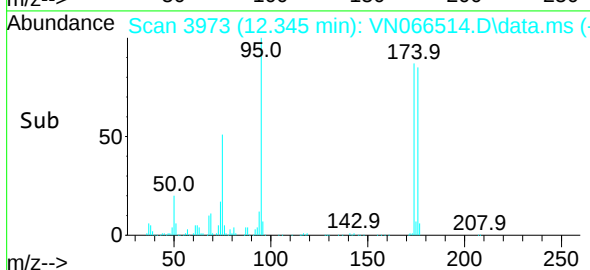
Tgt Ion:117 Resp: 489435
Ion Ratio Lower Upper
117 100
82 54.7 44.2 66.4
119 31.8 25.8 38.6

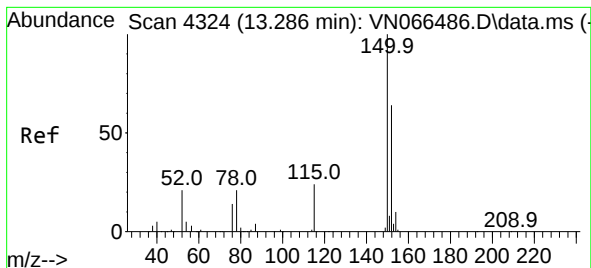


#71
Bromoform
Concen: 0.46 ug/l
RT: 12.345 min Scan# 3973
Delta R.T. 0.274 min
Lab File: VN066514.D
Acq: 7 Apr 2021 18:35



Tgt Ion:173 Resp: 1449
Ion Ratio Lower Upper
173 100
175 784.1 24.3 72.8#
254 0.0 0.0 0.0

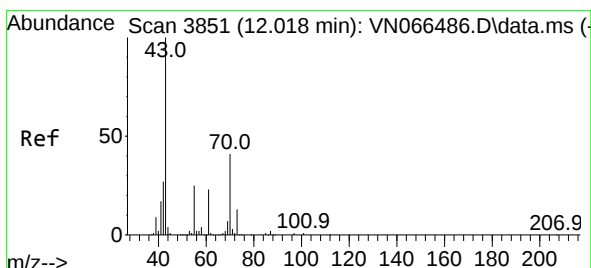
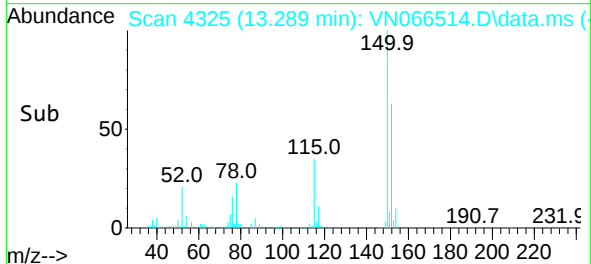
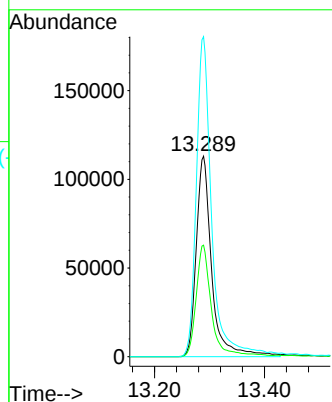
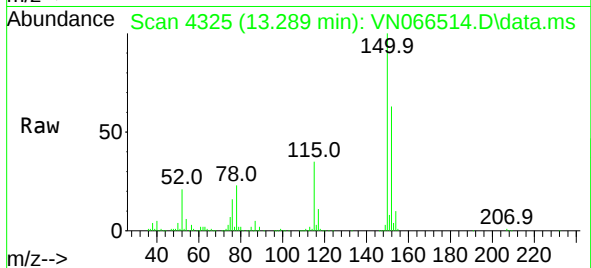




#72
1,4-Dichlorobenzene-d4
Concen: 50.00 ug/l
RT: 13.289 min Scan# 4325
Delta R.T. 0.003 min
Lab File: VN066514.D
Acq: 7 Apr 2021 18:35

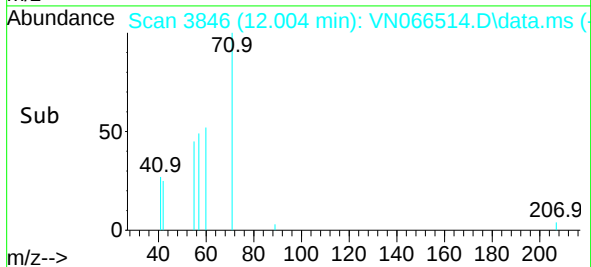
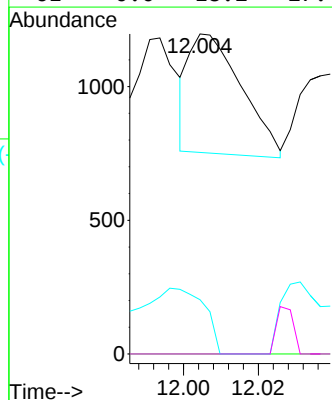
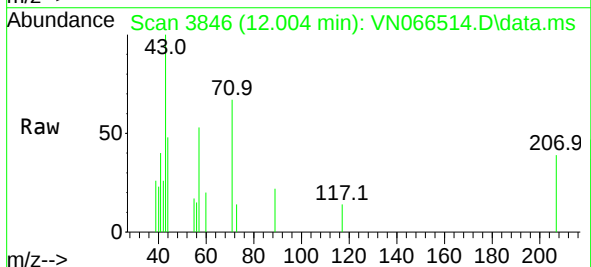
Instrument :
MSVOA_N
ClientSampleId :

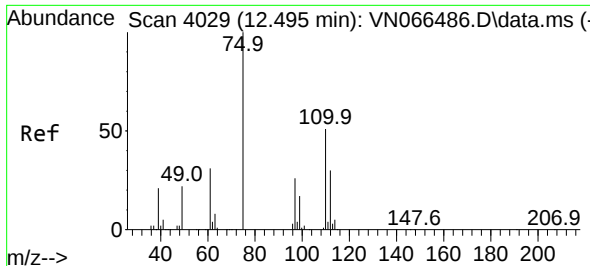
Tgt Ion:152 Resp: 221517
Ion Ratio Lower Upper
152 100
115 53.8 27.8 83.4
150 157.0 0.0 348.4



#74
N-amy1 acetate
Concen: 12.79 ug/l
RT: 12.004 min Scan# 3846
Delta R.T. -0.014 min
Lab File: VN066514.D
Acq: 7 Apr 2021 18:35

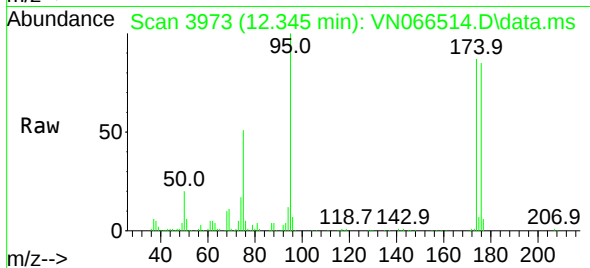
Tgt Ion: 43 Resp: 434
Ion Ratio Lower Upper
43 100
70 0.0 31.2 46.8#
55 0.0 18.6 28.0#
61 0.0 18.2 27.4#



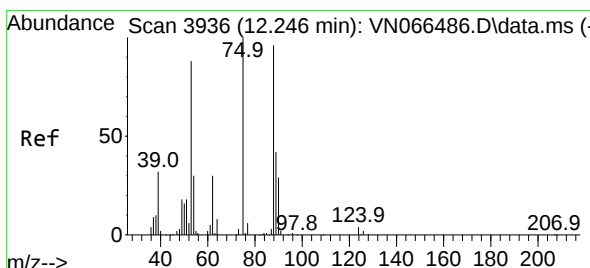
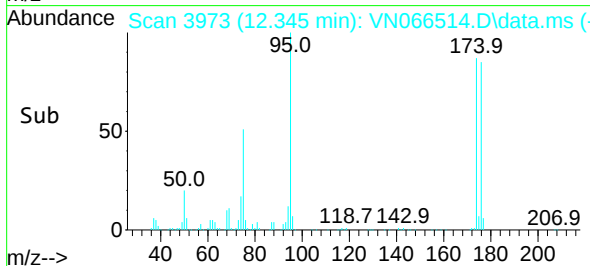
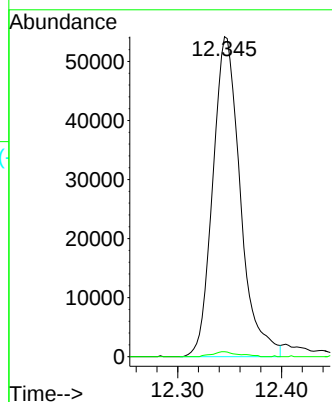


#76
1,2,3-Trichloropropane
Concen: 19.98 ug/l
RT: 12.345 min Scan# 3973
Delta R.T. -0.150 min
Lab File: VN066514.D
Acq: 7 Apr 2021 18:35

Instrument :
MSVOA_N
ClientSampled :

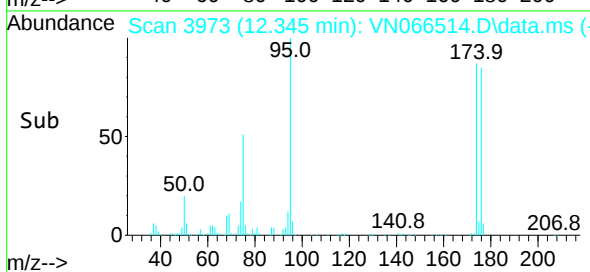
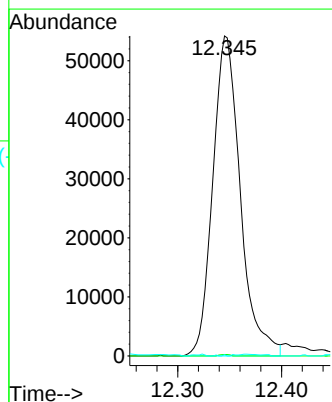
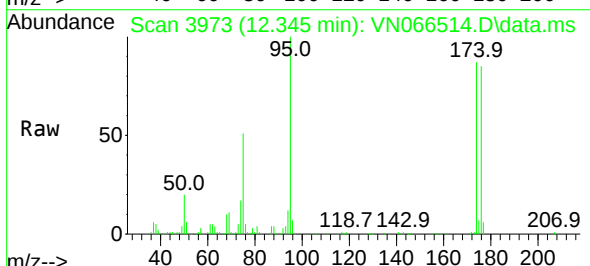


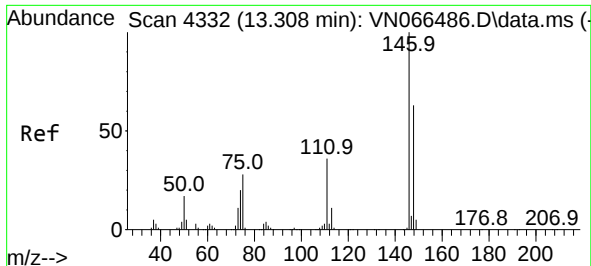
Tgt Ion: 75 Resp: 99854
Ion Ratio Lower Upper
75 100
77 1.5 0.0 0.0#



#81
trans-1,4-Dichloro-2-butene
Concen: 56.12 ug/l
RT: 12.345 min Scan# 3973
Delta R.T. 0.099 min
Lab File: VN066514.D
Acq: 7 Apr 2021 18:35

Tgt Ion: 75 Resp: 99854
Ion Ratio Lower Upper
75 100
53 0.2 76.1 114.1#
89 0.0 35.7 53.5#

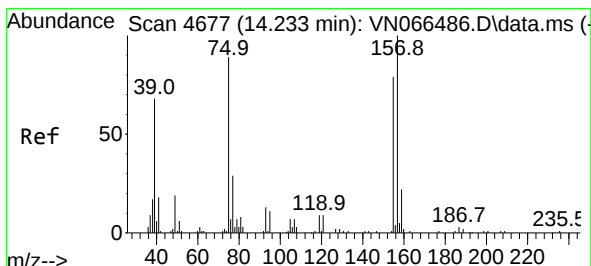
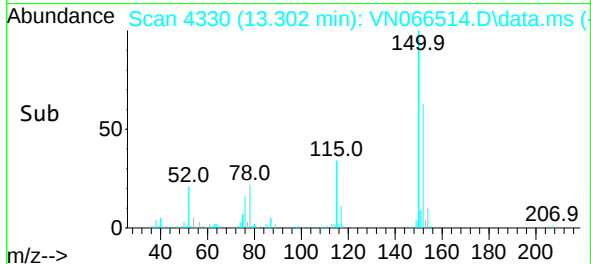
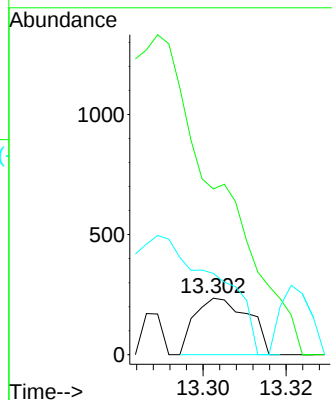
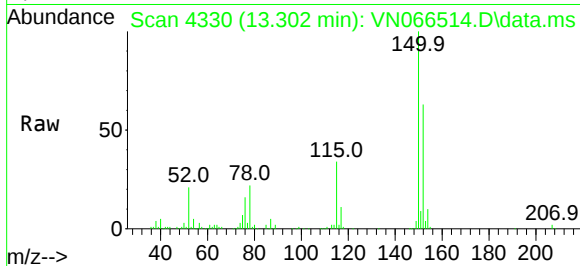




#88
1,4-Dichlorobenzene
Concen: 1.03 ug/l
RT: 13.302 min Scan# 4330
Delta R.T. -0.006 min
Lab File: VN066514.D
Acq: 7 Apr 2021 18:35

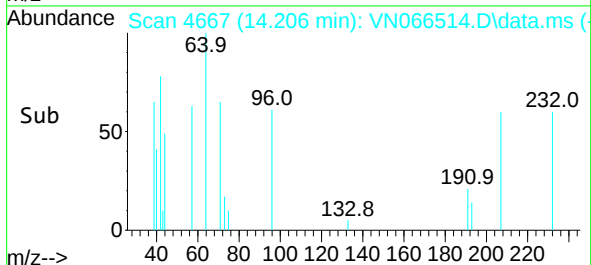
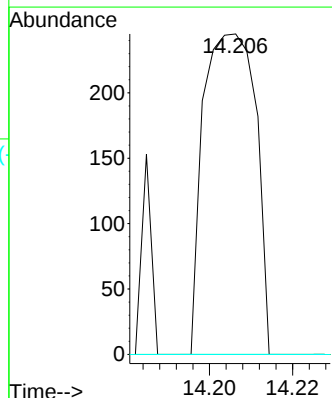
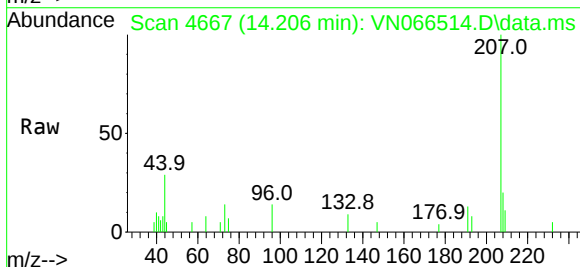
Instrument :
MSVOA_N
ClientSampleId :

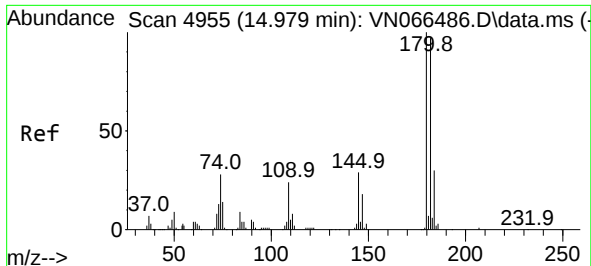
Tgt Ion:146 Resp: 212
Ion Ratio Lower Upper
146 100
111 0.0 18.3 54.9#
148 67.9 31.9 95.9



#92
1,2-Dibromo-3-Chloropropane
Concen: 0.52 ug/l
RT: 14.206 min Scan# 4667
Delta R.T. -0.027 min
Lab File: VN066514.D
Acq: 7 Apr 2021 18:35

Tgt Ion: 75 Resp: 214
Ion Ratio Lower Upper
75 100
155 0.0 43.8 131.3#
157 0.0 57.6 172.8#

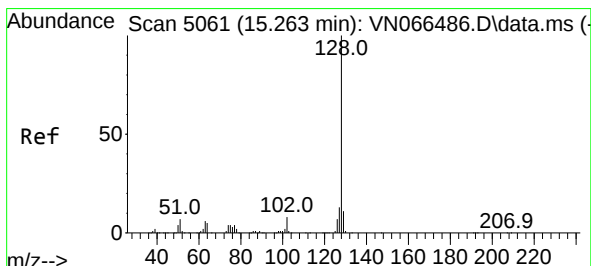
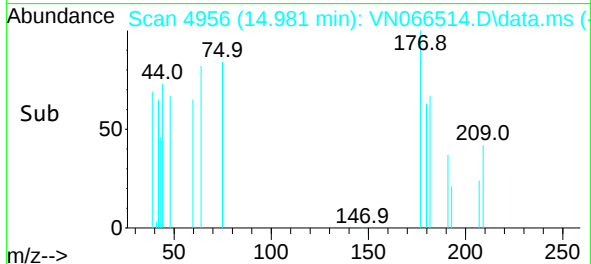
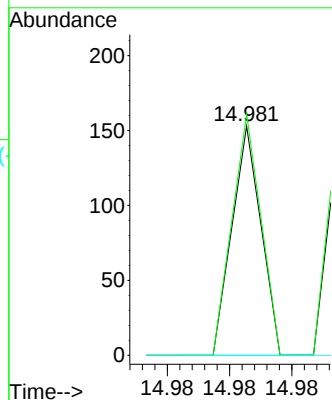
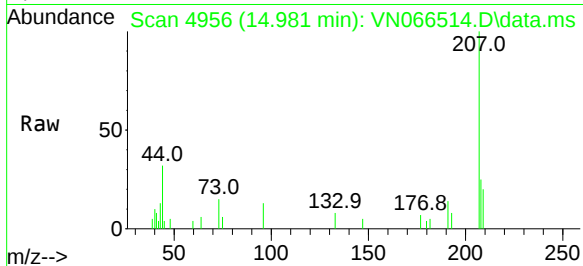




#93
1,2,4-Trichlorobenzene
Concen: 2.24 ug/l
RT: 14.981 min Scan# 4956
Delta R.T. 0.002 min
Lab File: VN066514.D
Acq: 7 Apr 2021 18:35

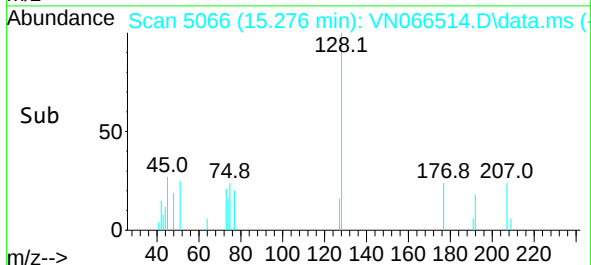
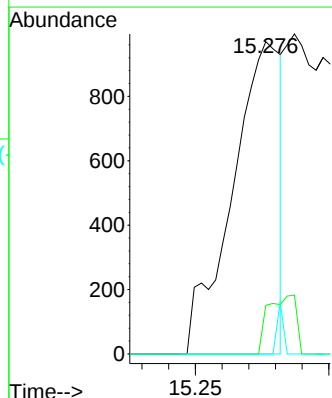
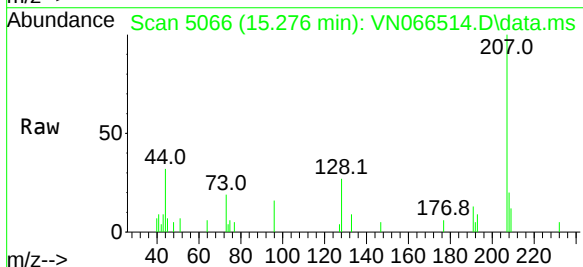
Instrument :
MSVOA_N
ClientSampled :

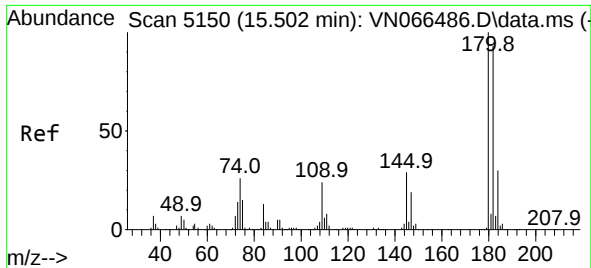
Tgt Ion:180 Resp: 25
Ion Ratio Lower Upper
180 100
182 104.0 47.4 142.3
145 0.0 14.2 42.8#



#95
Naphthalene
Concen: 2.06 ug/l
RT: 15.276 min Scan# 5066
Delta R.T. 0.013 min
Lab File: VN066514.D
Acq: 7 Apr 2021 18:35

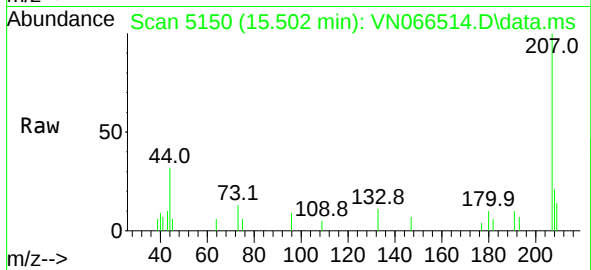
Tgt Ion:128 Resp: 1220
Ion Ratio Lower Upper
128 100
127 10.9 10.5 15.7
129 2.1 8.5 12.7#





#96
 1,2,3-Trichlorobenzene
 Concen: 1.75 ug/l
 RT: 15.502 min Scan# 5150
 Delta R.T. -0.000 min
 Lab File: VN066514.D
 Acq: 7 Apr 2021 18:35

Instrument :
 MSVOA_N
 ClientSampleId :



Tgt Ion:180 Resp: 637
 Ion Ratio Lower Upper
 180 100
 182 32.8 47.6 142.9#
 145 4.2 15.4 46.1#

