

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN051021\
 Data File : VN067078.D
 Acq On : 10 May 2021 17:42
 Operator : JC/MD
 Sample : M2295-07
 Misc : 5.00mL/MSVOA_N/WATER
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :

Quant Time: May 11 01:48:55 2021
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N050421W.M
 Quant Title : SW846 8260
 QLast Update : Wed May 05 07:24:52 2021
 Response via : Initial Calibration

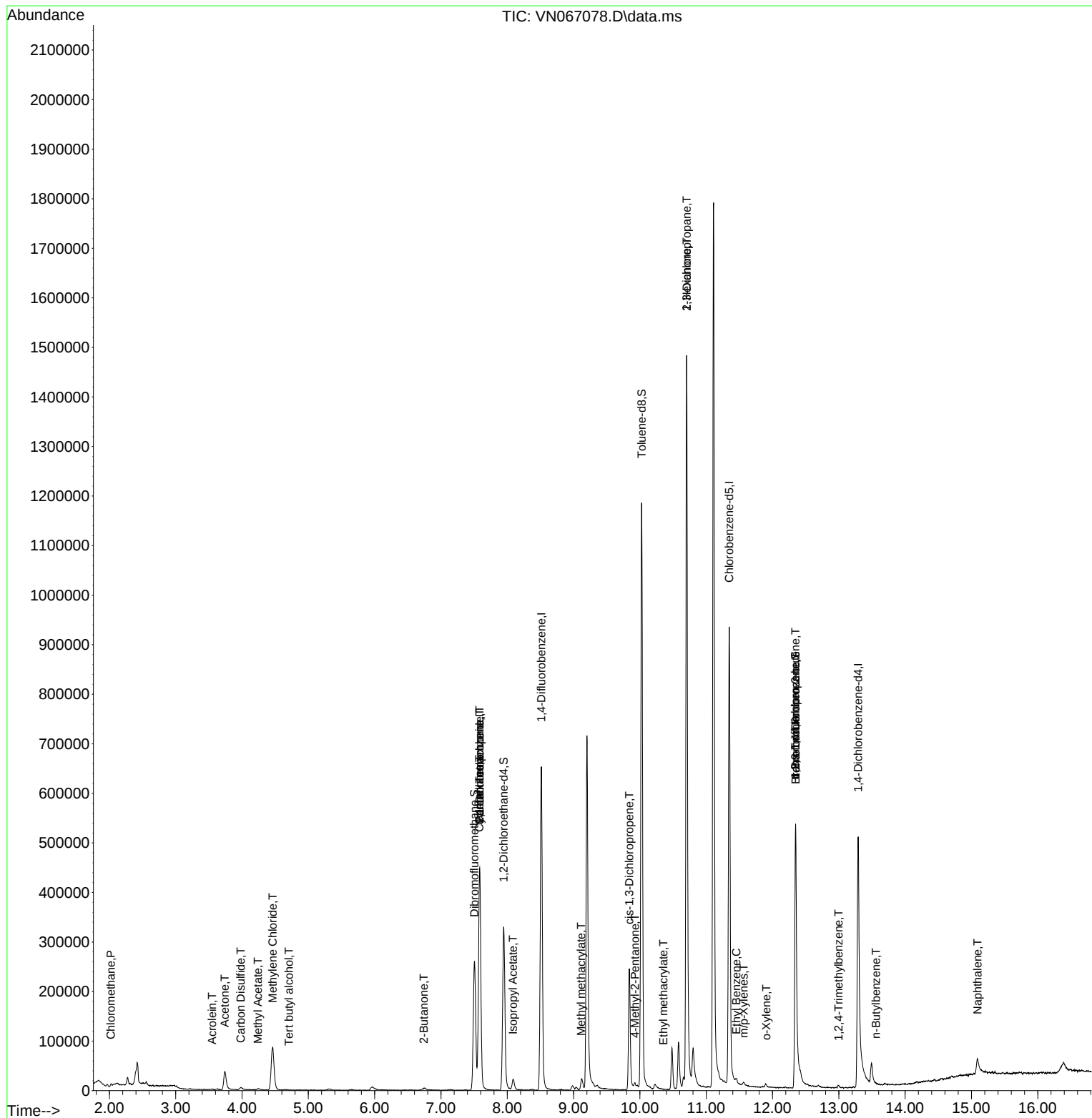
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	7.584	168	347486	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.515	114	579240	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.347	117	551085	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.291	152	192760	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	7.946	65	298949	54.66	ug/l	0.00
Spiked Amount 50.000	Range 61 - 141		Recovery = 109.32%			
35) Dibromofluoromethane	7.504	113	204332	51.95	ug/l	-0.01
Spiked Amount 50.000	Range 69 - 133		Recovery = 103.90%			
50) Toluene-d8	10.027	98	830888	55.47	ug/l	0.00
Spiked Amount 50.000	Range 65 - 126		Recovery = 110.94%			
62) 4-Bromofluorobenzene	12.347	95	244956	48.30	ug/l	0.00
Spiked Amount 50.000	Range 58 - 135		Recovery = 96.60%			
Target Compounds						
					Qvalue	
3) Chloromethane	2.022	50	2632	0.39	ug/l	89
11) Tert butyl alcohol	4.706	59	161	0.21	ug/l #	87
13) Acrolein	3.550	56	882	1.37	ug/l #	58
16) Acetone	3.741	43	63105	32.80	ug/l	99
17) Carbon Disulfide	3.982	76	4837	0.41	ug/l	99
18) Methyl Acetate	4.240	43	2201	0.40	ug/l	96
20) Methylene Chloride	4.462	84	66134	13.55	ug/l	95
25) 2-Butanone	6.742	43	2468	0.87	ug/l #	86
31) Cyclohexane	7.579	56	8117	1.05	ug/l #	17
36) 1,1-Dichloropropene	7.584	75	30639	5.08	ug/l #	48
38) Carbon Tetrachloride	7.581	117	36073	5.73	ug/l #	17
43) Isopropyl Acetate	8.086	43	27278	2.73	ug/l #	88
48) Methyl methacrylate	9.116	41	7067	1.60	ug/l #	10
51) 4-Methyl-2-Pentanone	9.925	43	5448	0.94	ug/l #	46
54) cis-1,3-Dichloropropene	9.840	75	47294	5.95	ug/l #	67
56) Ethyl methacrylate	10.355	69	64	5.20	ug/l #	27
57) 1,3-Dichloropropane	10.706	76	15082	1.93	ug/l #	43
59) 2-Hexanone	10.706	43	215369	73.65	ug/l #	51
67) Ethyl Benzene	11.454	91	6244	0.30	ug/l	98
68) m/p-Xylenes	11.567	106	2147	0.28	ug/l #	71
69) o-Xylene	11.907	106	1939	0.26	ug/l	97
71) Bromoform	12.350	173	1944	0.59	ug/l #	1
76) 1,2,3-Trichloropropane	12.347	75	127544	27.78	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.347	75	127544	82.97	ug/l #	12
84) 1,2,4-Trimethylbenzene	12.996	105	3567	0.29	ug/l	89
89) n-Butylbenzene	13.562	91	125	5.25	ug/l #	34
95) Naphthalene	15.091	128	42981	5.08	ug/l #	93

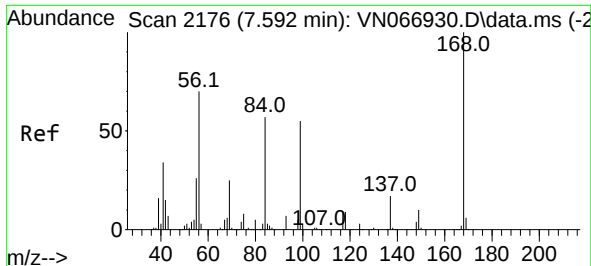
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN051021\
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Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N050421W.M
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Response via : Initial Calibration

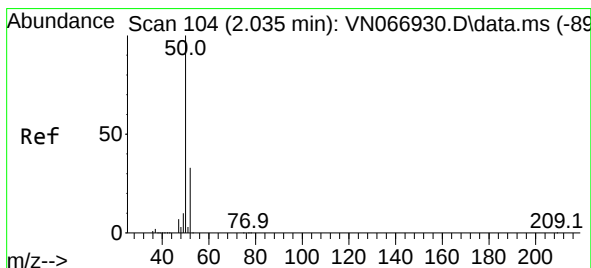
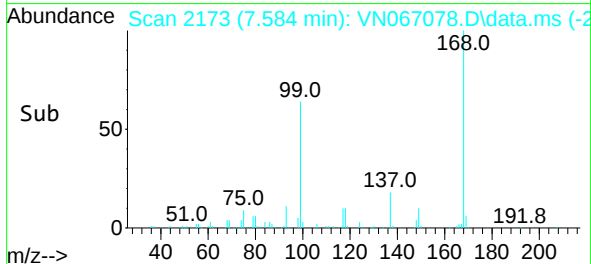
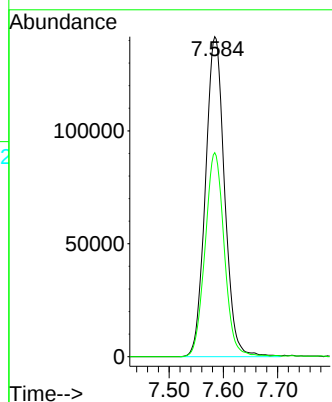
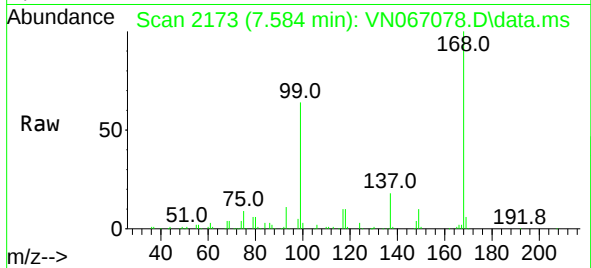




#1
Pentafluorobenzene
Concen: 50.00 ug/l
RT: 7.584 min Scan# 2173
Delta R.T. -0.008 min
Lab File: VN067078.D
Acq: 10 May 2021 17:42

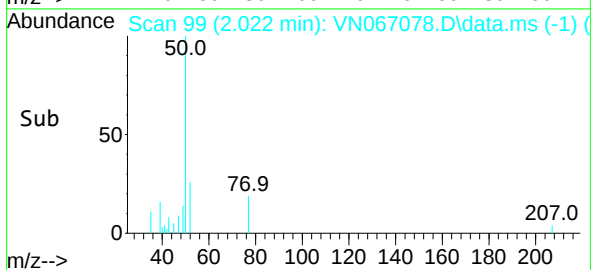
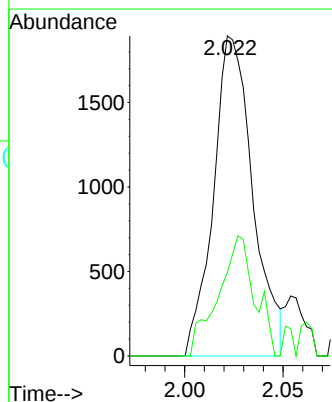
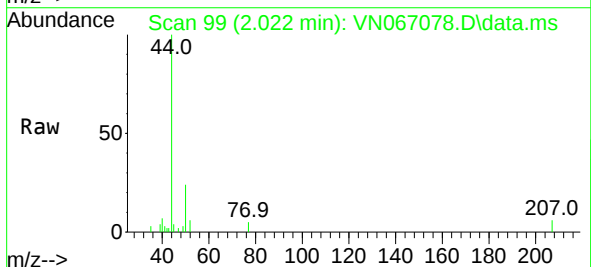
Instrument :
MSVOA_N
ClientSampleId :

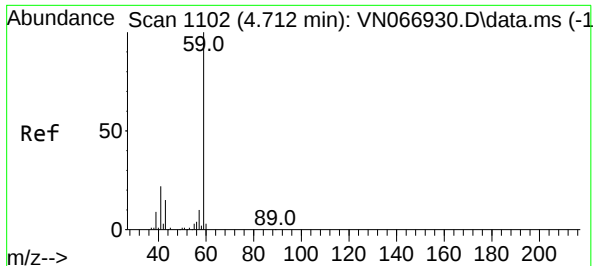
Tgt Ion:168 Resp: 347486
Ion Ratio Lower Upper
168 100
99 63.8 42.6 63.8



#3
Chloromethane
Concen: 0.39 ug/l
RT: 2.022 min Scan# 99
Delta R.T. -0.013 min
Lab File: VN067078.D
Acq: 10 May 2021 17:42

Tgt Ion: 50 Resp: 2632
Ion Ratio Lower Upper
50 100
52 26.1 25.8 38.8



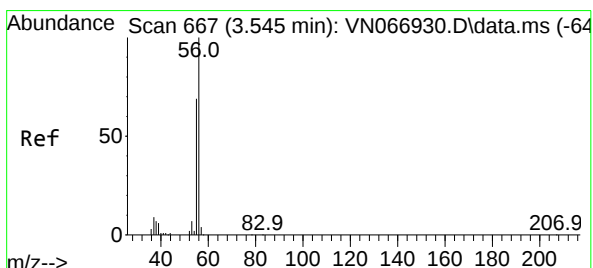
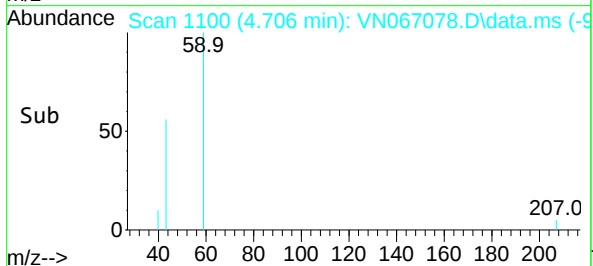
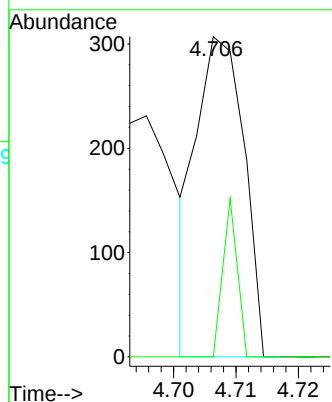
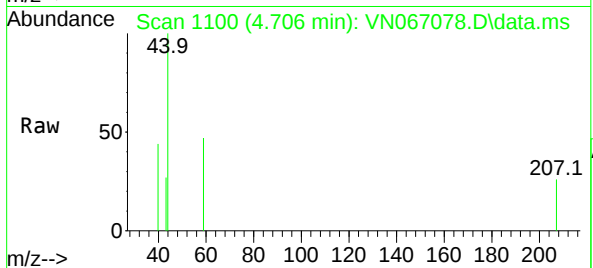


#11

Tert butyl alcohol
Concen: 0.21 ug/l
RT: 4.706 min Scan# 1100
Delta R.T. -0.006 min
Lab File: VN067078.D
Acq: 10 May 2021 17:42

Instrument :
MSVOA_N
ClientSampled :

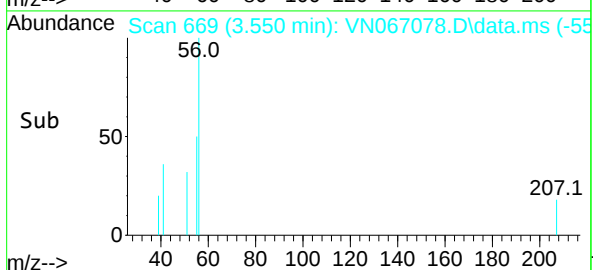
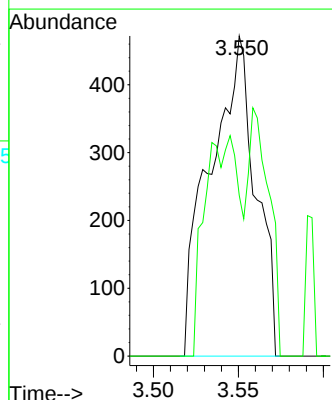
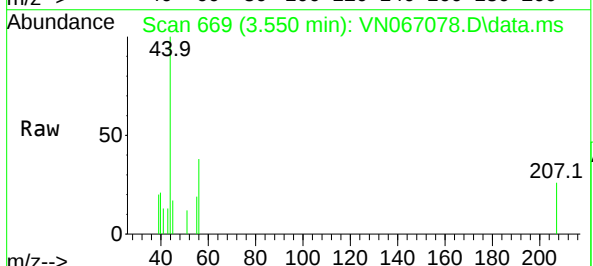
Tgt Ion: 59 Resp: 161
Ion Ratio Lower Upper
59 100
57 14.9 8.0 12.0#

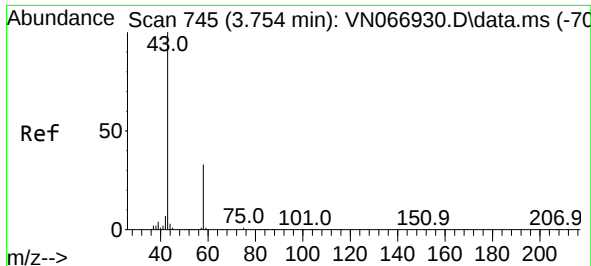


#13

Acrolein
Concen: 1.37 ug/l
RT: 3.550 min Scan# 669
Delta R.T. 0.005 min
Lab File: VN067078.D
Acq: 10 May 2021 17:42

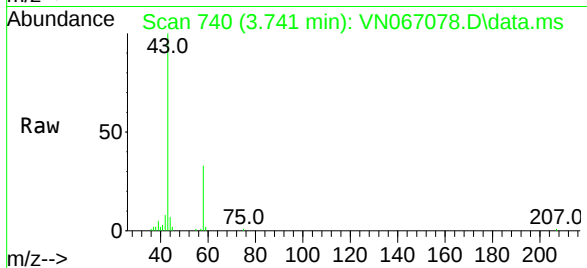
Tgt Ion: 56 Resp: 882
Ion Ratio Lower Upper
56 100
55 35.7 56.0 84.0#



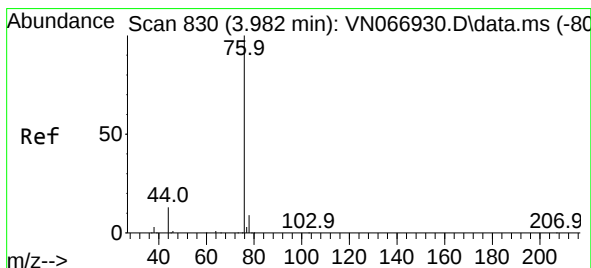
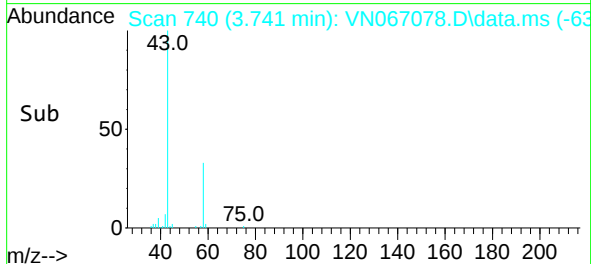
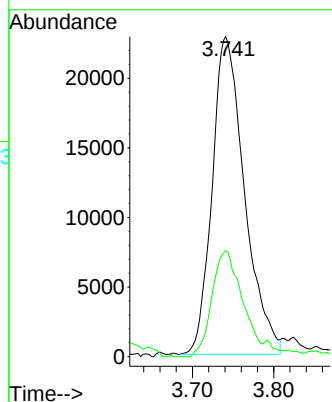


#16
Acetone
Concen: 32.80 ug/l
RT: 3.741 min Scan# 740
Delta R.T. -0.013 min
Lab File: VN067078.D
Acq: 10 May 2021 17:42

Instrument :
MSVOA_N
ClientSampled :

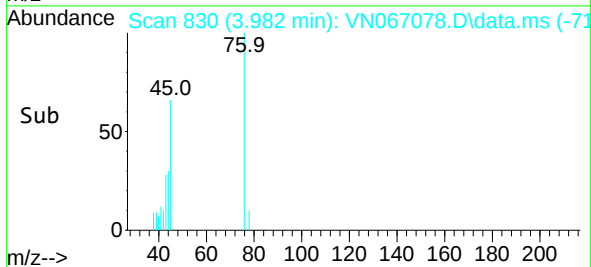
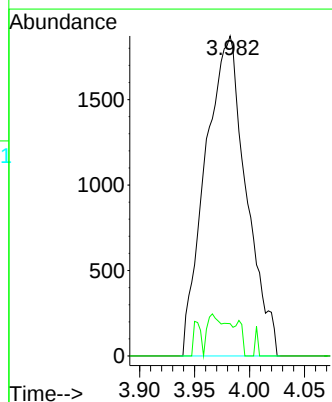
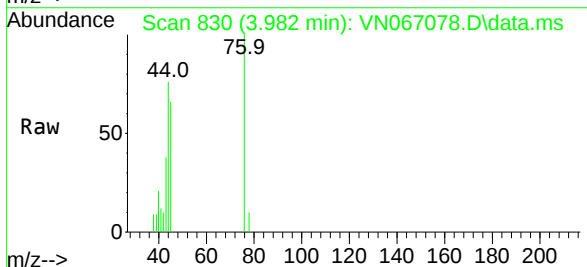


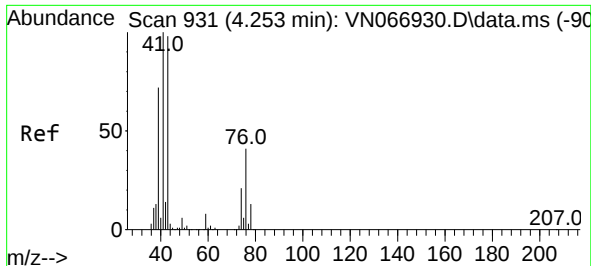
Tgt Ion: 43 Resp: 63105
Ion Ratio Lower Upper
43 100
58 33.4 27.0 40.6



#17
Carbon Disulfide
Concen: 0.41 ug/l
RT: 3.982 min Scan# 830
Delta R.T. 0.000 min
Lab File: VN067078.D
Acq: 10 May 2021 17:42

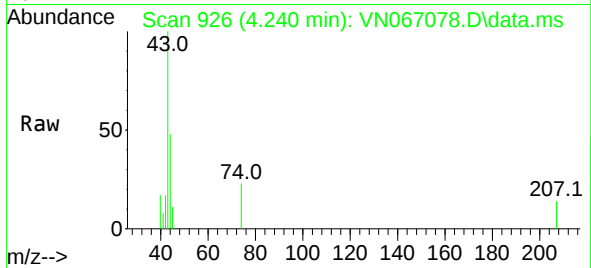
Tgt Ion: 76 Resp: 4837
Ion Ratio Lower Upper
76 100
78 10.1 7.8 11.6



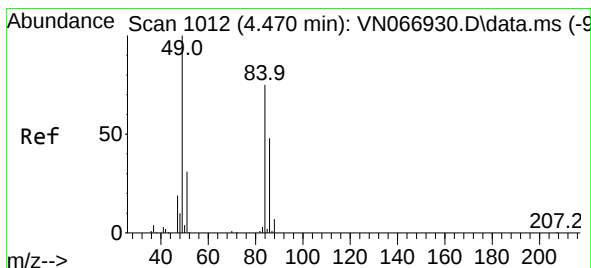
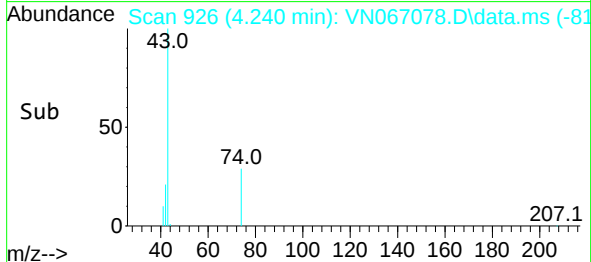
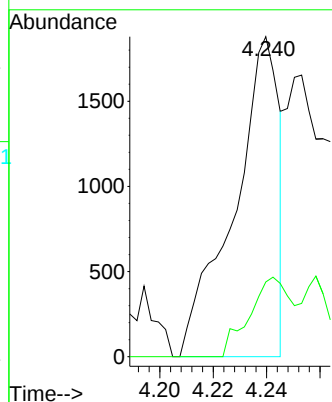


#18
Methyl Acetate
Concen: 0.40 ug/l
RT: 4.240 min Scan# 926
Delta R.T. -0.013 min
Lab File: VN067078.D
Acq: 10 May 2021 17:42

Instrument :
MSVOA_N
ClientSampled :

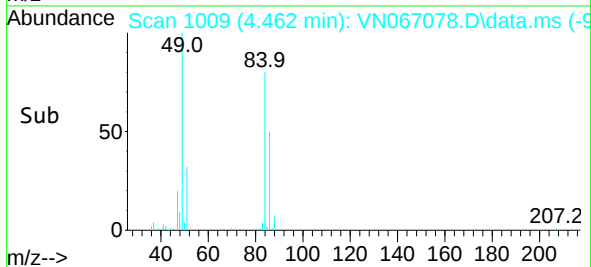
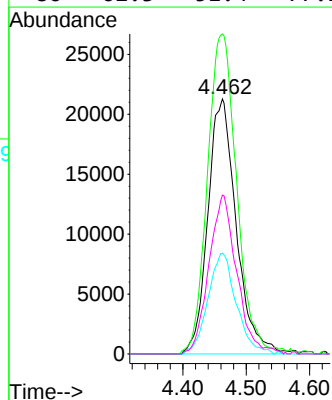
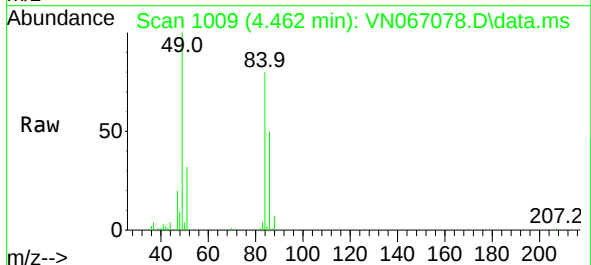


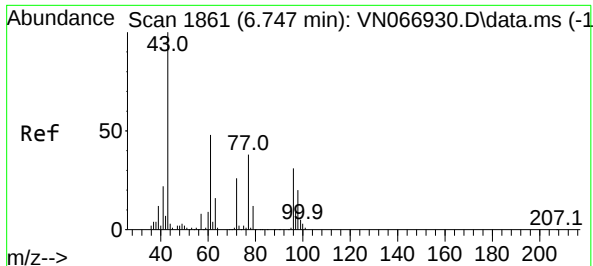
Tgt Ion: 43 Resp: 2201
Ion Ratio Lower Upper
43 100
74 22.6 19.5 29.3



#20
Methylene Chloride
Concen: 13.55 ug/l
RT: 4.462 min Scan# 1009
Delta R.T. -0.008 min
Lab File: VN067078.D
Acq: 10 May 2021 17:42

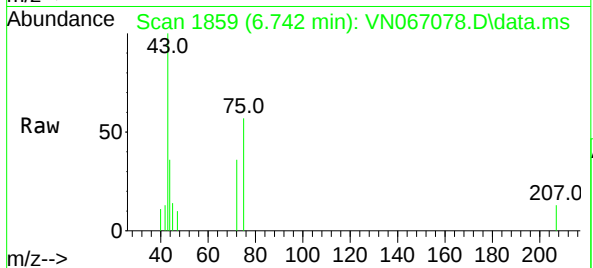
Tgt Ion: 84 Resp: 66134
Ion Ratio Lower Upper
84 100
49 125.4 94.6 141.8
51 39.5 29.9 44.9
86 62.3 51.4 77.2



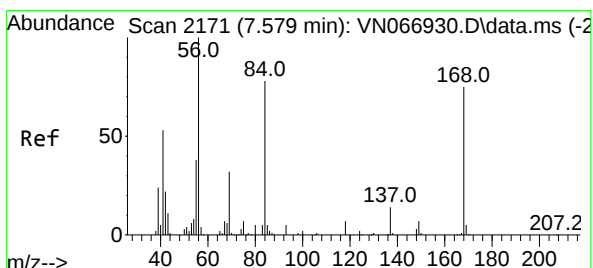
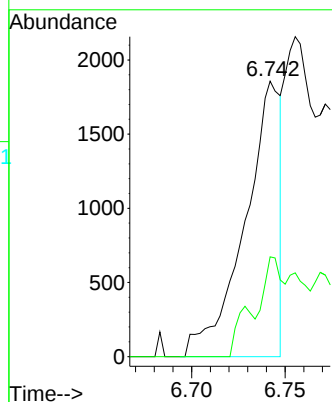
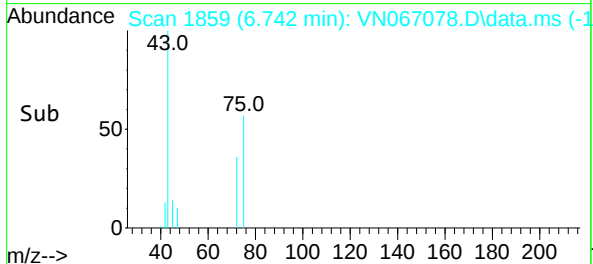


#25
2-Butanone
Concen: 0.87 ug/l
RT: 6.742 min Scan# 1859
Delta R.T. -0.005 min
Lab File: VN067078.D
Acq: 10 May 2021 17:42

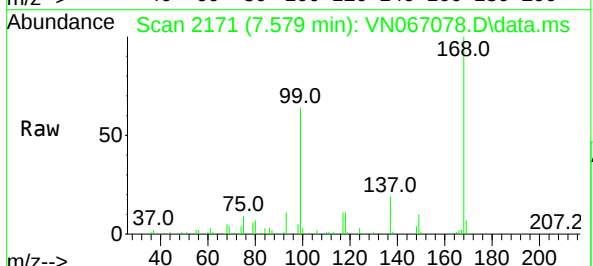
Instrument :
MSVOA_N
ClientSampled :



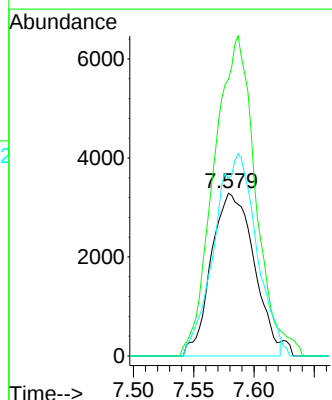
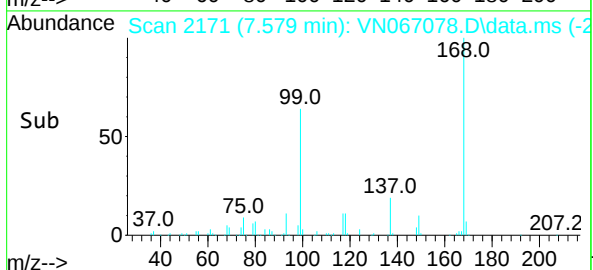
Tgt Ion: 43 Resp: 2468
Ion Ratio Lower Upper
43 100
72 36.2 23.1 34.7#

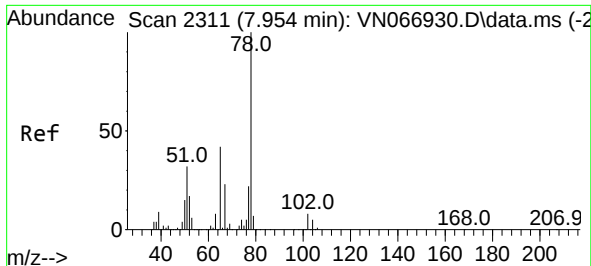


#31
Cyclohexane
Concen: 1.05 ug/l
RT: 7.579 min Scan# 2171
Delta R.T. -0.000 min
Lab File: VN067078.D
Acq: 10 May 2021 17:42



Tgt Ion: 56 Resp: 8117
Ion Ratio Lower Upper
56 100
69 169.9 26.6 39.8#
84 109.2 70.4 105.6#





#33

1,2-Dichloroethane-d4

Concen: 54.66 ug/l

RT: 7.946 min Scan# 2308

Delta R.T. -0.008 min

Lab File: VN067078.D

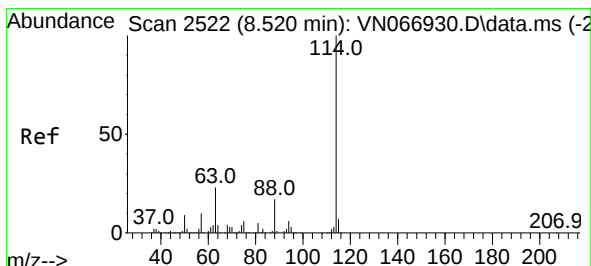
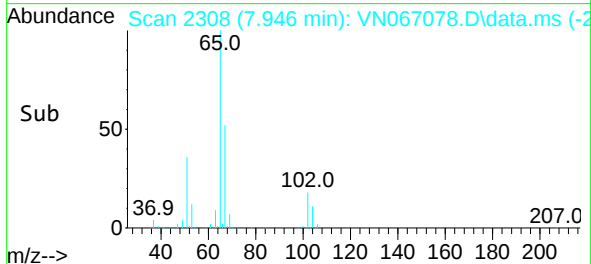
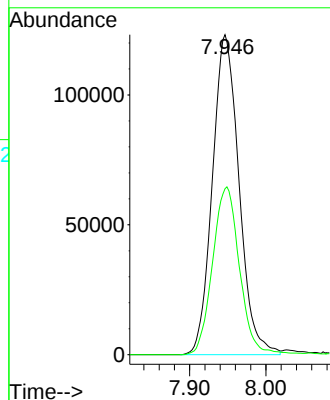
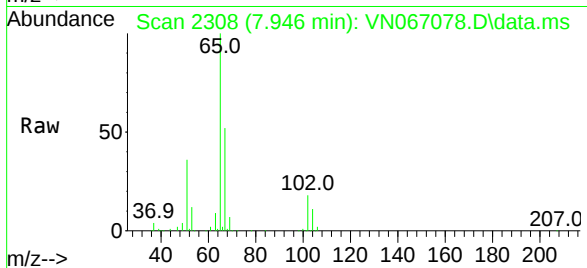
Acq: 10 May 2021 17:42

Tgt Ion: 65 Resp: 298949

Ion Ratio Lower Upper

65 100

67 53.0 0.0 107.2



#34

1,4-Difluorobenzene

Concen: 50.00 ug/l

RT: 8.515 min Scan# 2520

Delta R.T. -0.005 min

Lab File: VN067078.D

Acq: 10 May 2021 17:42

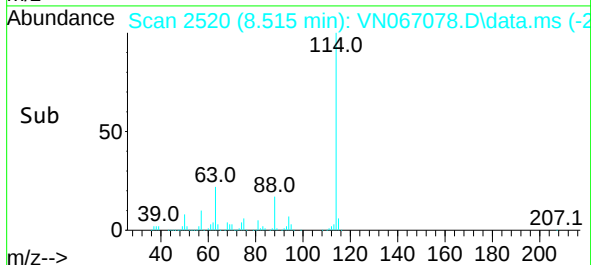
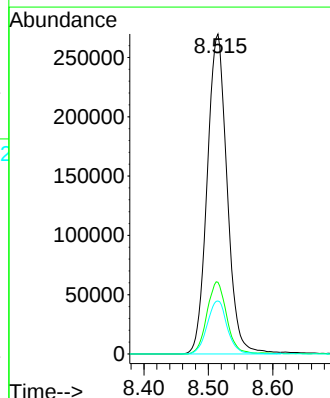
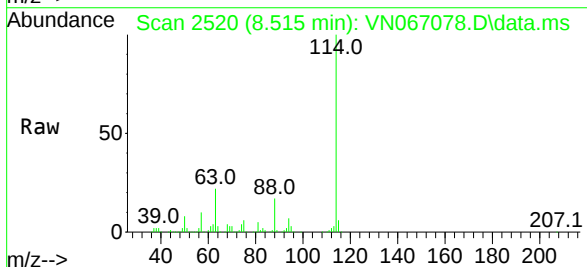
Tgt Ion: 114 Resp: 579240

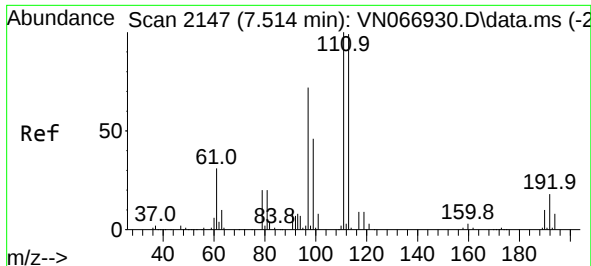
Ion Ratio Lower Upper

114 100

63 22.4 0.0 38.6

88 16.6 0.0 30.6

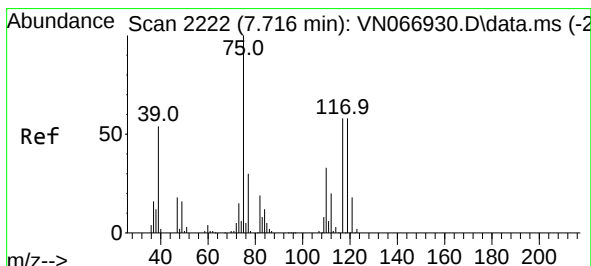
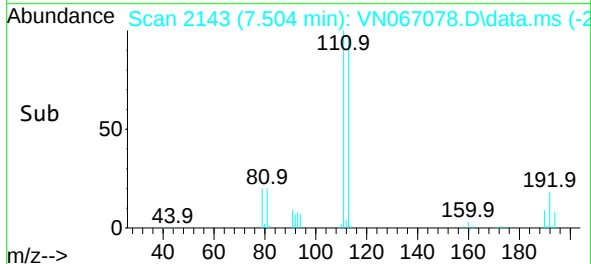
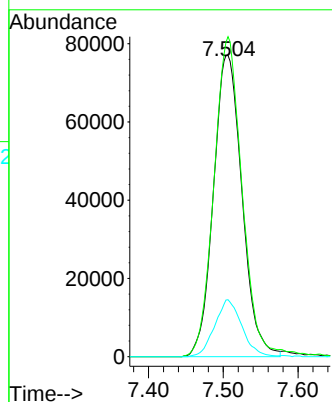
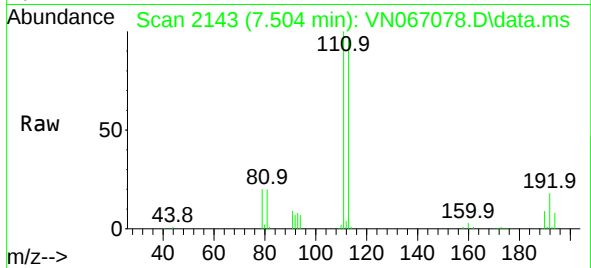




#35
Dibromofluoromethane
Concen: 51.95 ug/l
RT: 7.504 min Scan# 2143
Delta R.T. -0.010 min
Lab File: VN067078.D
Acq: 10 May 2021 17:42

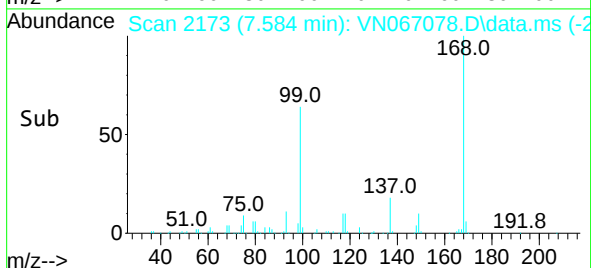
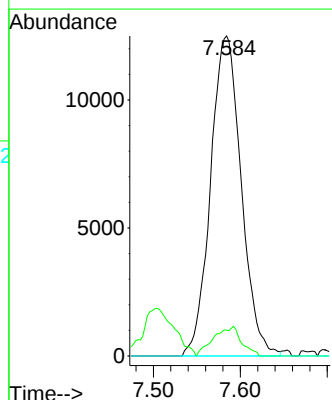
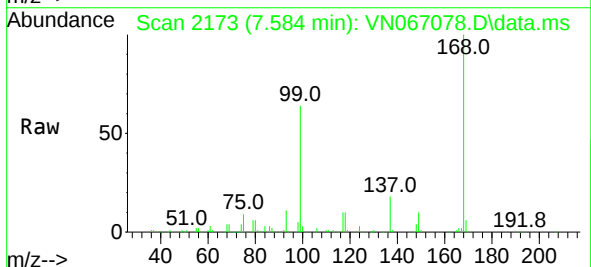
Instrument :
MSVOA_N
ClientSampled :

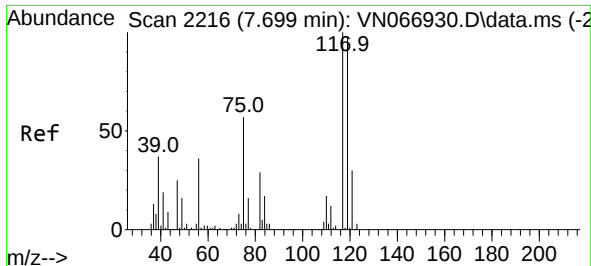
Tgt Ion:113 Resp: 204332
Ion Ratio Lower Upper
113 100
111 105.1 82.2 123.2
192 18.0 15.4 23.0



#36
1,1-Dichloropropene
Concen: 5.08 ug/l
RT: 7.584 min Scan# 2173
Delta R.T. -0.132 min
Lab File: VN067078.D
Acq: 10 May 2021 17:42

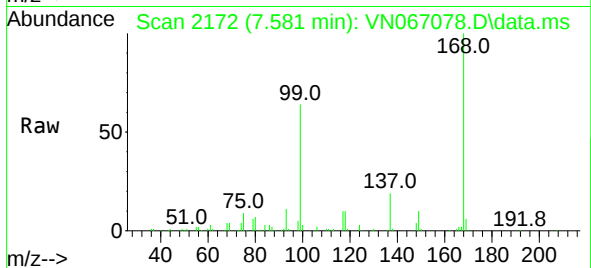
Tgt Ion: 75 Resp: 30639
Ion Ratio Lower Upper
75 100
110 8.3 18.2 54.6#
77 0.0 24.9 37.3#



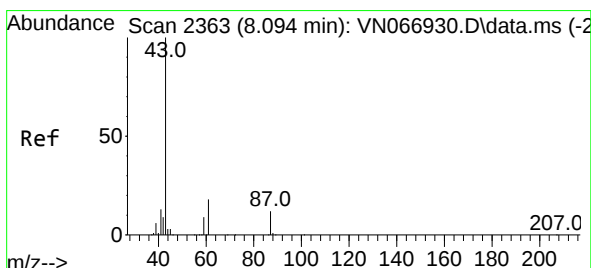
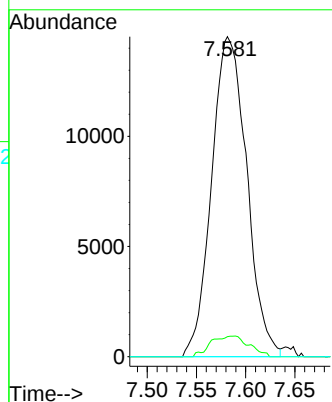
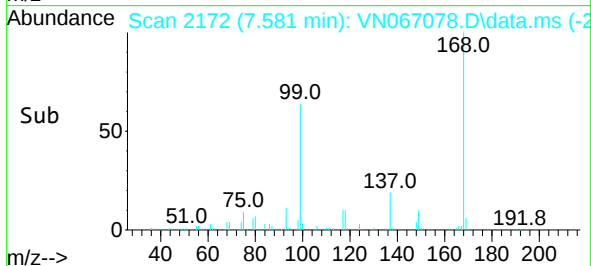


#38
Carbon Tetrachloride
Concen: 5.73 ug/l
RT: 7.581 min Scan# 2172
Delta R.T. -0.118 min
Lab File: VN067078.D
Acq: 10 May 2021 17:42

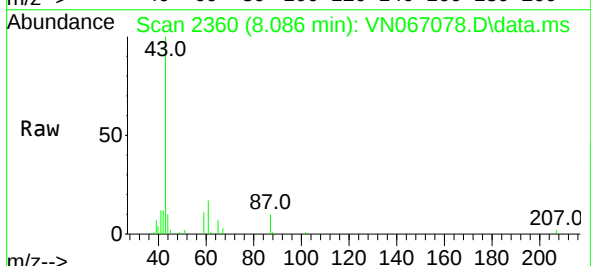
Instrument :
MSVOA_N
ClientSampled :



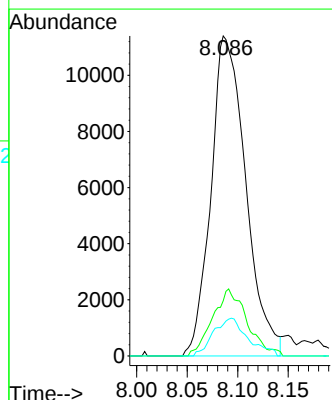
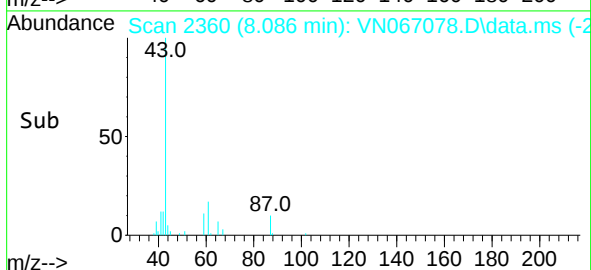
Tgt Ion:117 Resp: 36073
Ion Ratio Lower Upper
117 100
119 6.2 76.0 114.0#
121 0.0 24.5 36.7#

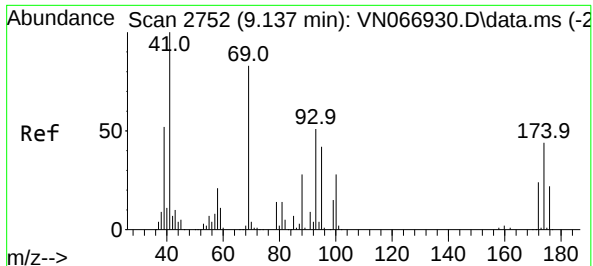


#43
Isopropyl Acetate
Concen: 2.73 ug/l
RT: 8.086 min Scan# 2360
Delta R.T. -0.008 min
Lab File: VN067078.D
Acq: 10 May 2021 17:42



Tgt Ion: 43 Resp: 27278
Ion Ratio Lower Upper
43 100
61 20.3 22.5 33.7#
87 11.6 11.1 16.7

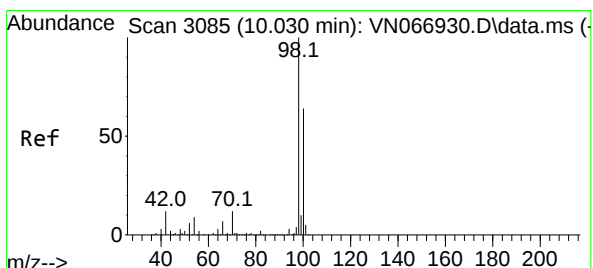
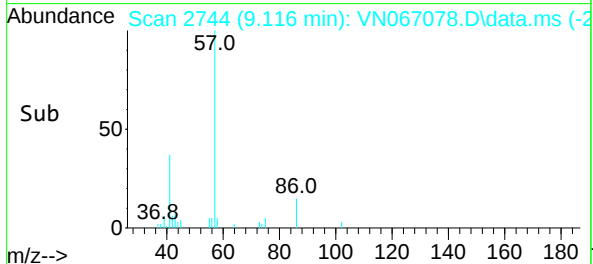
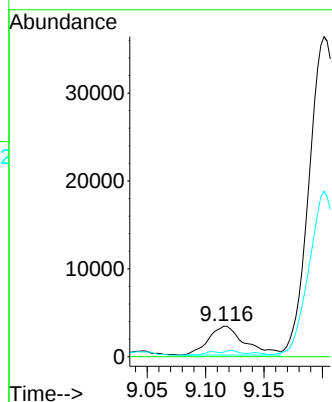
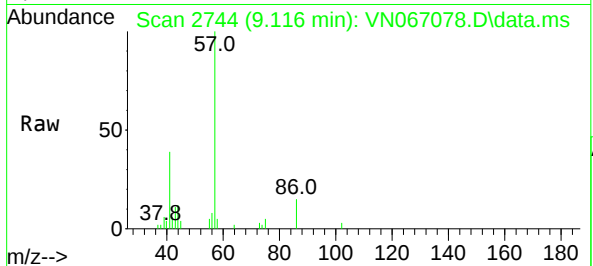




#48
Methyl methacrylate
Concen: 1.60 ug/l
RT: 9.116 min Scan# 2744
Delta R.T. -0.021 min
Lab File: VN067078.D
Acq: 10 May 2021 17:42

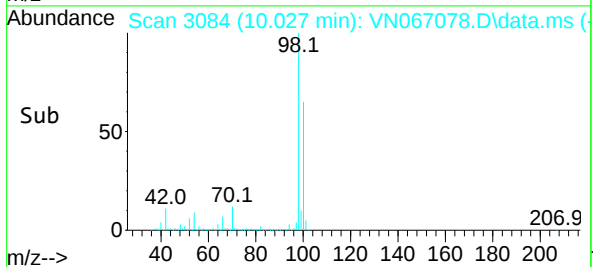
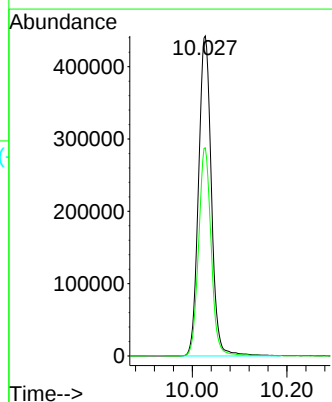
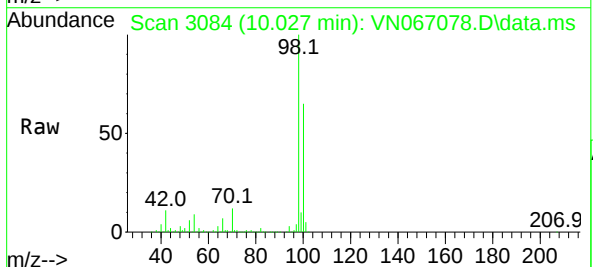
Instrument :
MSVOA_N
ClientSampled :

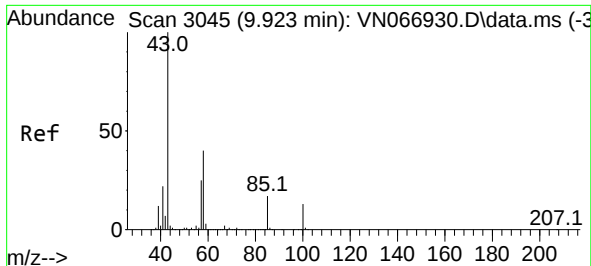
Tgt Ion: 41 Resp: 7067
Ion Ratio Lower Upper
41 100
69 0.0 75.9 113.9#
39 0.0 46.6 69.8#



#50
Toluene-d8
Concen: 55.47 ug/l
RT: 10.027 min Scan# 3084
Delta R.T. -0.003 min
Lab File: VN067078.D
Acq: 10 May 2021 17:42

Tgt Ion: 98 Resp: 830888
Ion Ratio Lower Upper
98 100
100 63.5 50.5 75.7

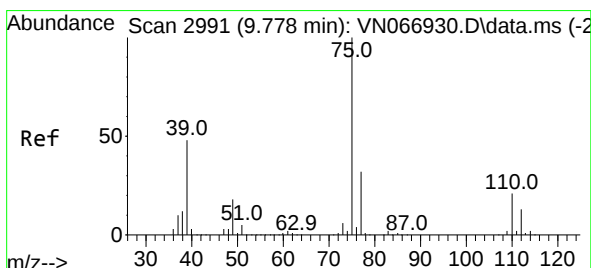
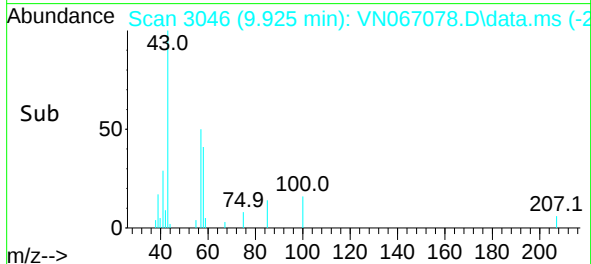
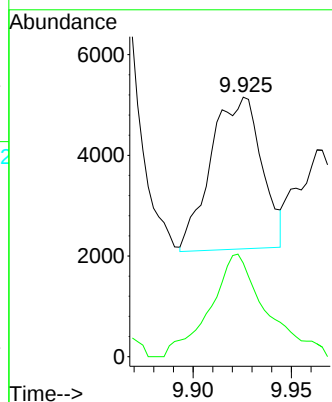
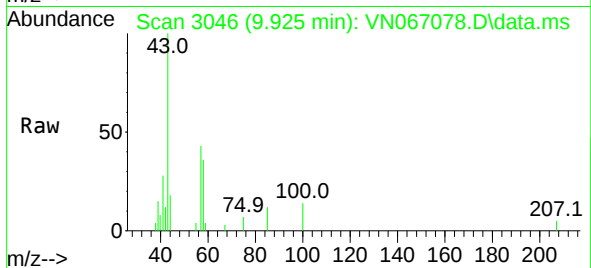




#51
4-Methyl-2-Pentanone
Concen: 0.94 ug/l
RT: 9.925 min Scan# 3046
Delta R.T. 0.002 min
Lab File: VN067078.D
Acq: 10 May 2021 17:42

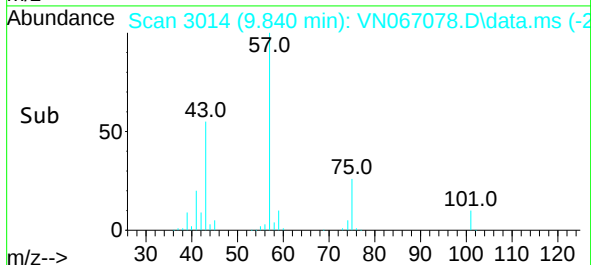
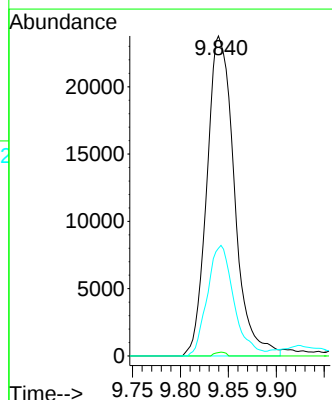
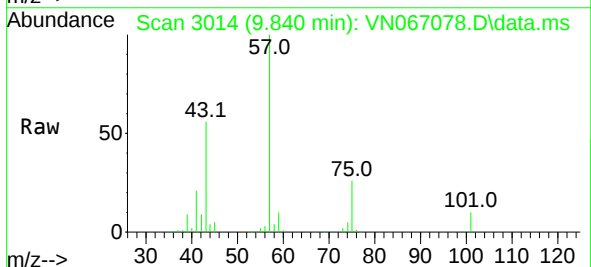
Instrument :
MSVOA_N
ClientSampled :

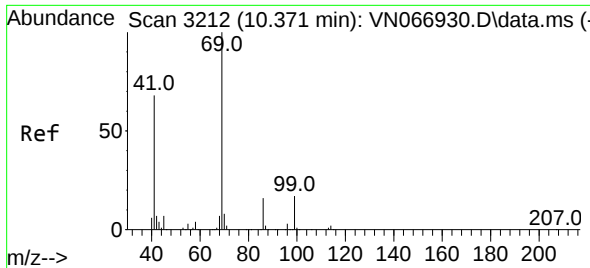
Tgt Ion: 43 Resp: 5448
Ion Ratio Lower Upper
43 100
58 74.1 32.5 48.7#



#54
cis-1,3-Dichloropropene
Concen: 5.95 ug/l
RT: 9.840 min Scan# 3014
Delta R.T. 0.062 min
Lab File: VN067078.D
Acq: 10 May 2021 17:42

Tgt Ion: 75 Resp: 47294
Ion Ratio Lower Upper
75 100
77 1.0 24.9 37.3#
39 33.7 36.2 54.4#

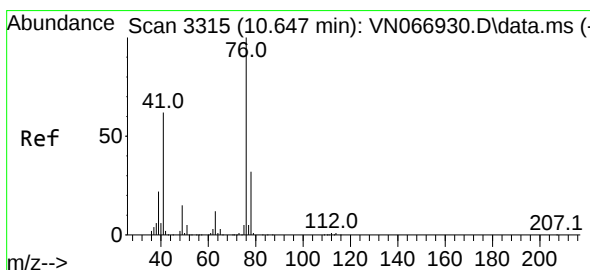
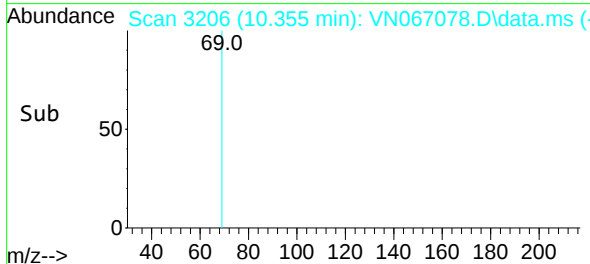
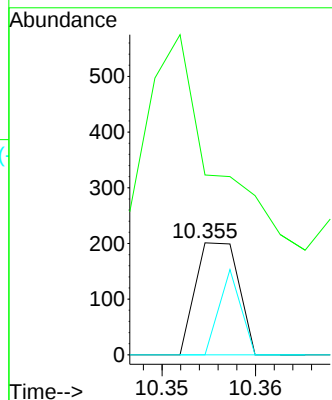
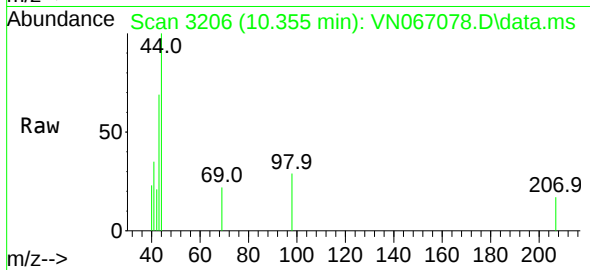




#56
Ethyl methacrylate
Concen: 5.20 ug/l
RT: 10.355 min Scan# 3206
Delta R.T. -0.016 min
Lab File: VN067078.D
Acq: 10 May 2021 17:42

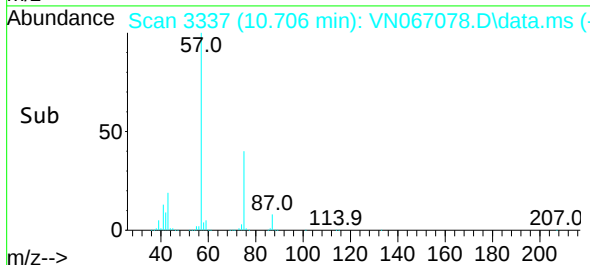
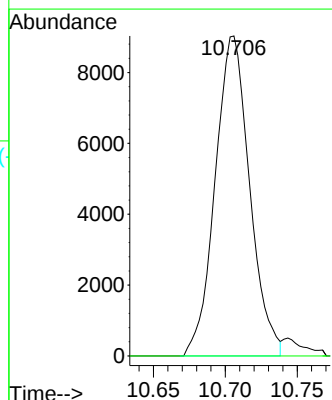
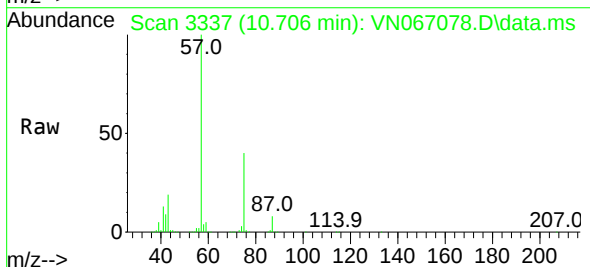
Instrument :
MSVOA_N
ClientSampleId :

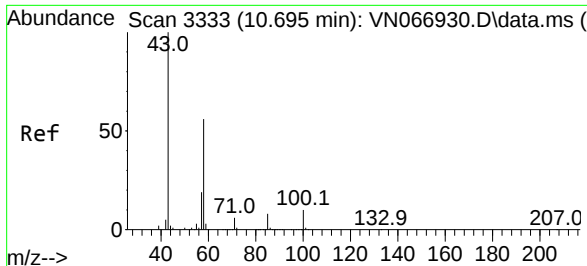
Tgt Ion: 69 Resp: 64
Ion Ratio Lower Upper
69 100
41 0.0 49.6 74.4#
39 0.0 28.0 42.0#



#57
1,3-Dichloropropane
Concen: 1.93 ug/l
RT: 10.706 min Scan# 3337
Delta R.T. 0.059 min
Lab File: VN067078.D
Acq: 10 May 2021 17:42

Tgt Ion: 76 Resp: 15082
Ion Ratio Lower Upper
76 100
78 0.0 25.7 38.5#

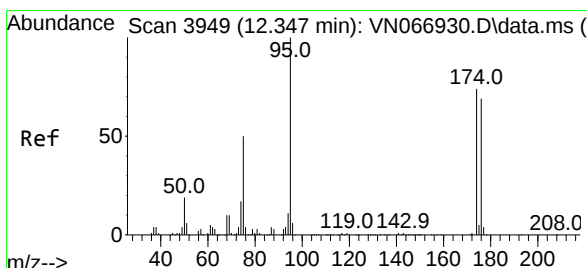
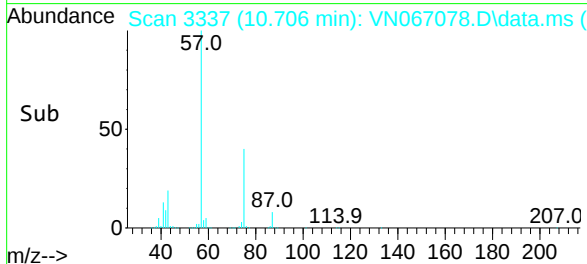
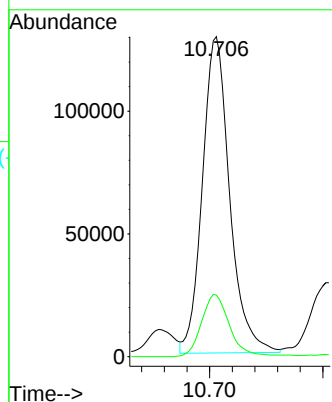
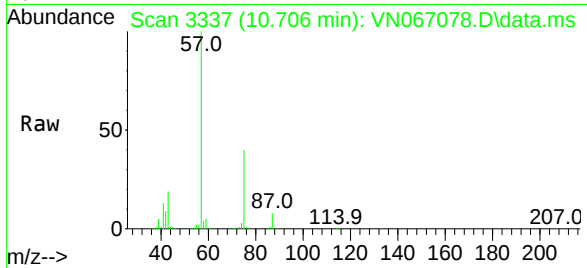




#59
2-Hexanone
Concen: 73.65 ug/l
RT: 10.706 min Scan# 3337
Delta R.T. 0.011 min
Lab File: VN067078.D
Acq: 10 May 2021 17:42

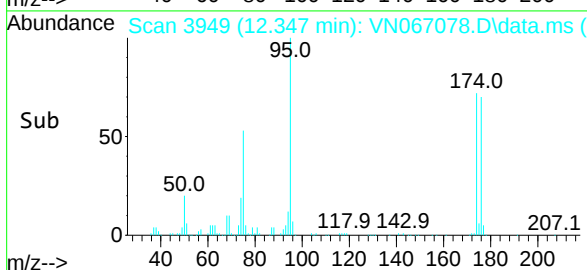
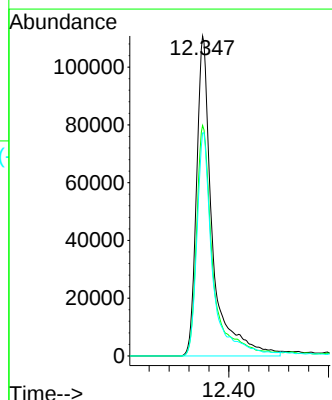
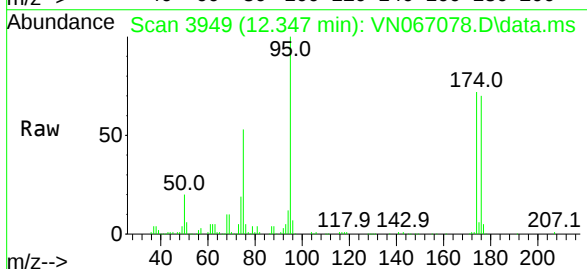
Instrument :
MSVOA_N
ClientSampled :

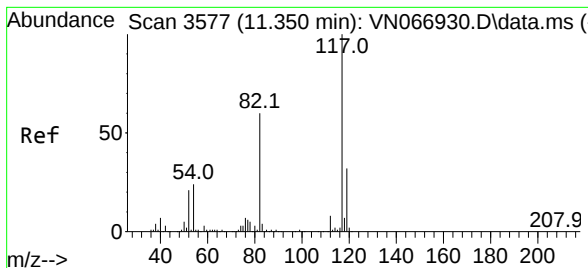
Tgt Ion: 43 Resp: 215369
Ion Ratio Lower Upper
43 100
58 20.2 28.1 84.3#



#62
4-Bromofluorobenzene
Concen: 48.30 ug/l
RT: 12.347 min Scan# 3949
Delta R.T. 0.000 min
Lab File: VN067078.D
Acq: 10 May 2021 17:42

Tgt Ion: 95 Resp: 244956
Ion Ratio Lower Upper
95 100
174 73.6 0.0 169.0
176 68.9 0.0 162.4

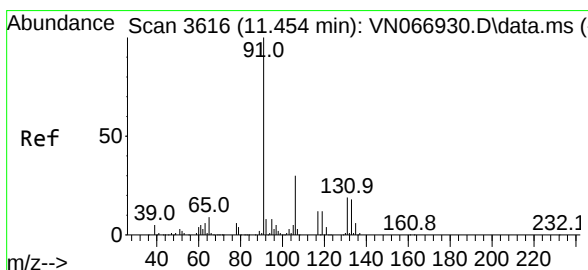
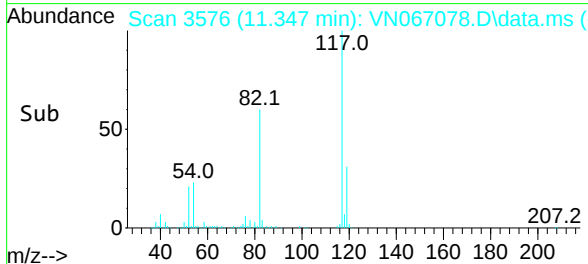
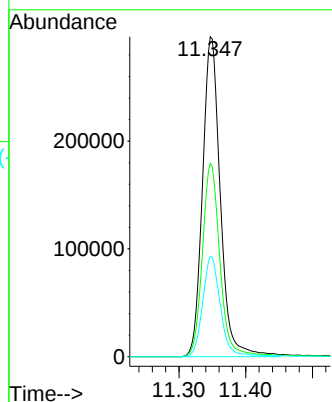
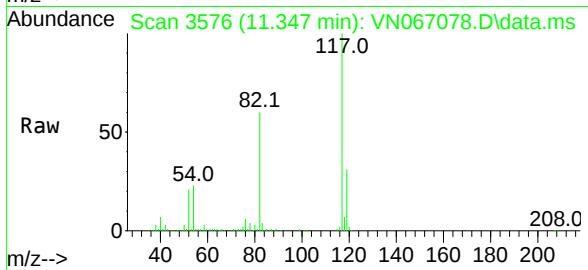




#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 11.347 min Scan# 3576
Delta R.T. -0.003 min
Lab File: VN067078.D
Acq: 10 May 2021 17:42

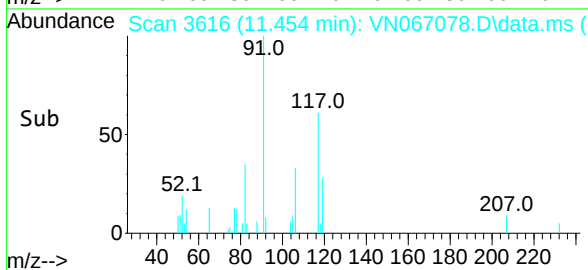
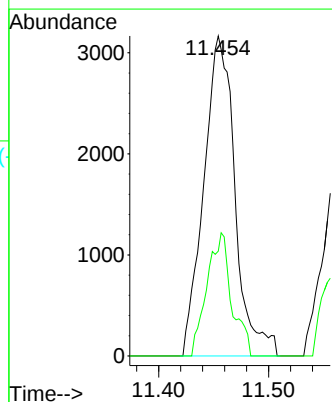
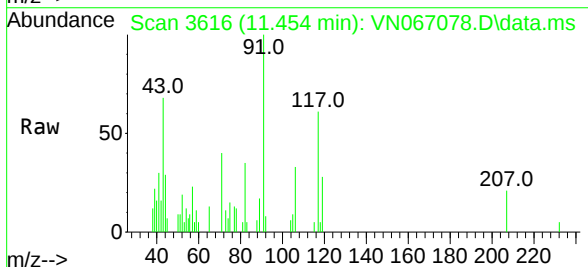
Instrument :
MSVOA_N
ClientSampleId :

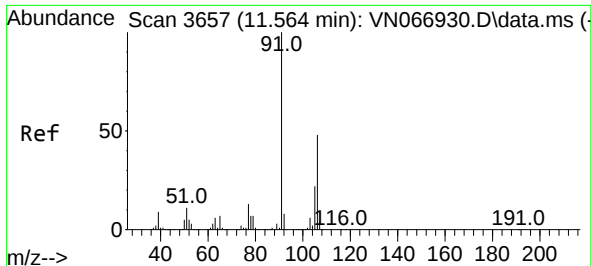
Tgt Ion:117 Resp: 551085
Ion Ratio Lower Upper
117 100
82 60.3 43.7 65.5
119 31.4 26.1 39.1



#67
Ethyl Benzene
Concen: 0.30 ug/l
RT: 11.454 min Scan# 3616
Delta R.T. 0.000 min
Lab File: VN067078.D
Acq: 10 May 2021 17:42

Tgt Ion: 91 Resp: 6244
Ion Ratio Lower Upper
91 100
106 32.8 25.5 38.3

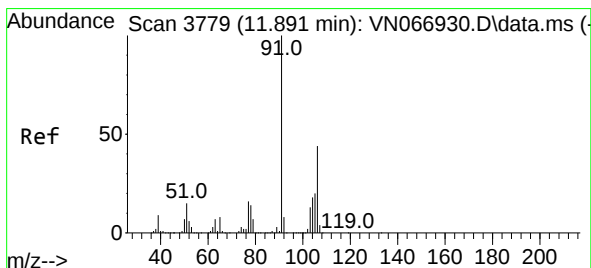
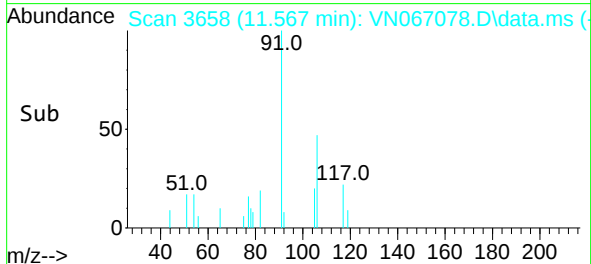
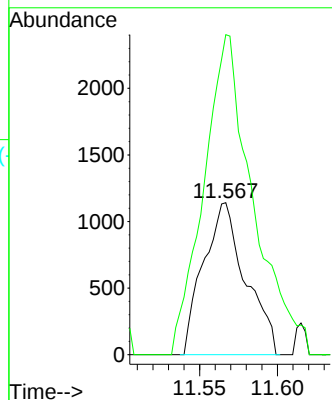
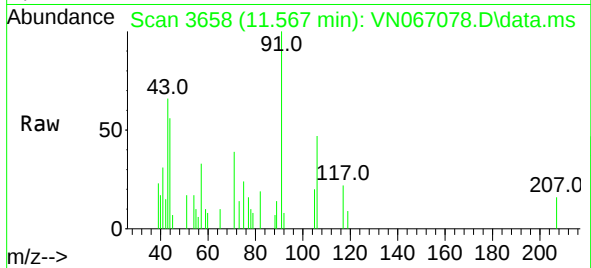




#68
m/p-Xylenes
Concen: 0.28 ug/l
RT: 11.567 min Scan# 3658
Delta R.T. 0.003 min
Lab File: VN067078.D
Acq: 10 May 2021 17:42

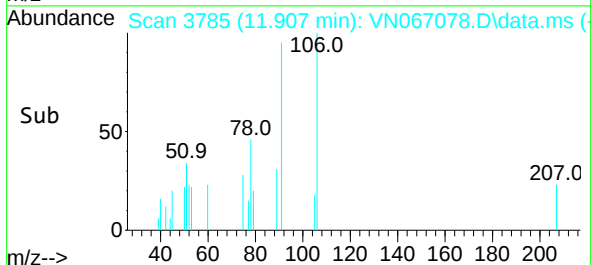
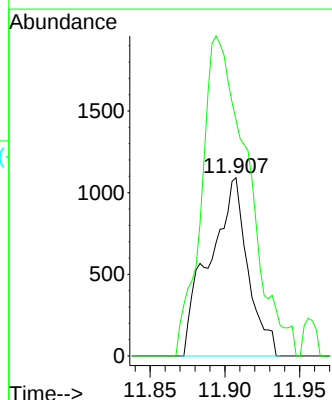
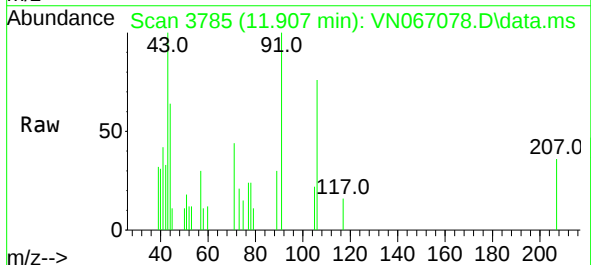
Instrument :
MSVOA_N
ClientSampled :

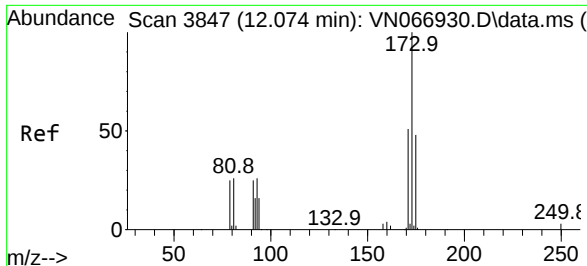
Tgt Ion:106 Resp: 2147
Ion Ratio Lower Upper
106 100
91 245.7 161.4 242.0#



#69
o-Xylene
Concen: 0.26 ug/l
RT: 11.907 min Scan# 3785
Delta R.T. 0.016 min
Lab File: VN067078.D
Acq: 10 May 2021 17:42

Tgt Ion:106 Resp: 1939
Ion Ratio Lower Upper
106 100
91 217.9 106.8 320.4

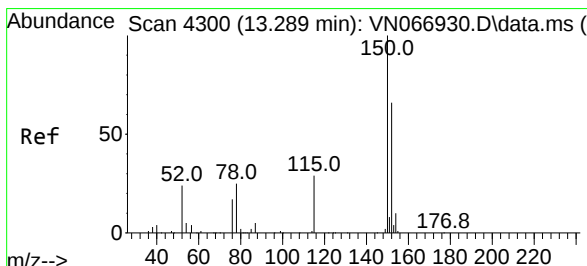
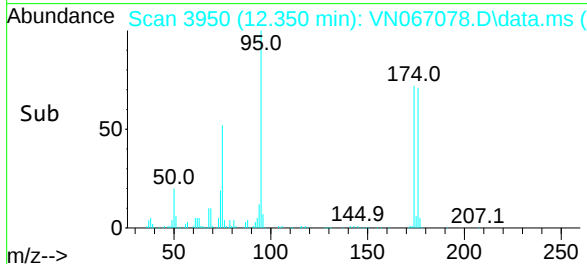
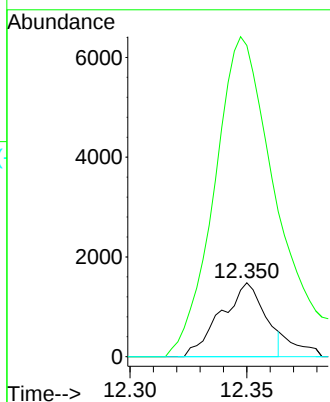
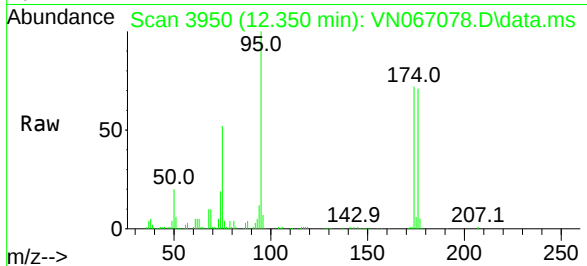




#71
Bromoform
Concen: 0.59 ug/l
RT: 12.350 min Scan# 3950
Delta R.T. 0.276 min
Lab File: VN067078.D
Acq: 10 May 2021 17:42

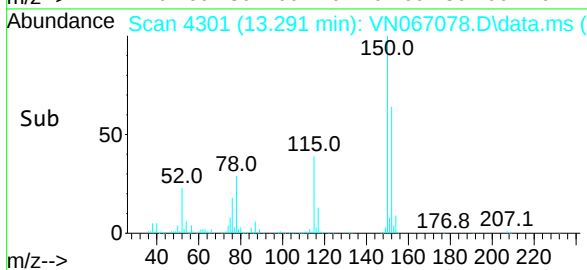
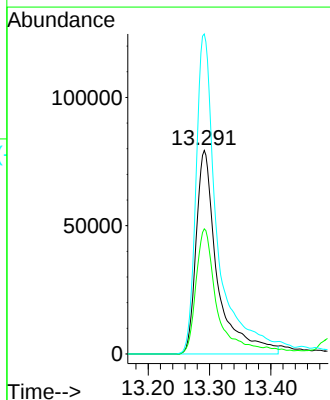
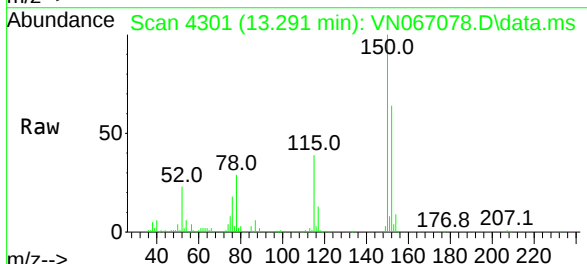
Instrument :
MSVOA_N
ClientSampleId :

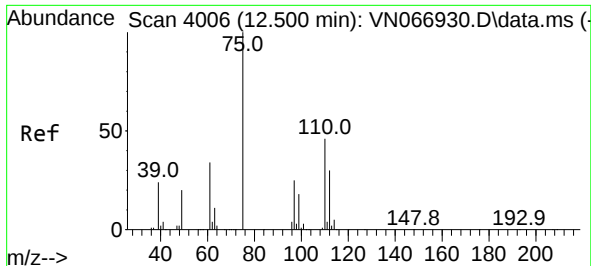
Tgt Ion:173 Resp: 1944
Ion Ratio Lower Upper
173 100
175 512.5 23.8 71.2#
254 0.0 0.0 0.0



#72
1,4-Dichlorobenzene-d4
Concen: 50.00 ug/l
RT: 13.291 min Scan# 4301
Delta R.T. 0.002 min
Lab File: VN067078.D
Acq: 10 May 2021 17:42

Tgt Ion:152 Resp: 192760
Ion Ratio Lower Upper
152 100
115 60.2 28.5 85.6
150 156.0 0.0 347.6

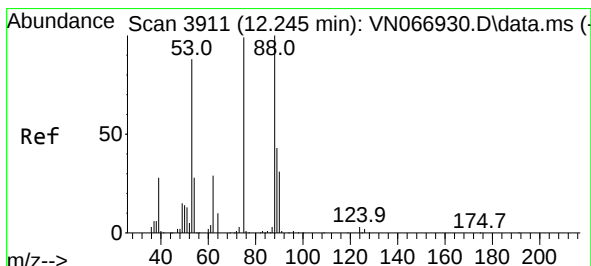
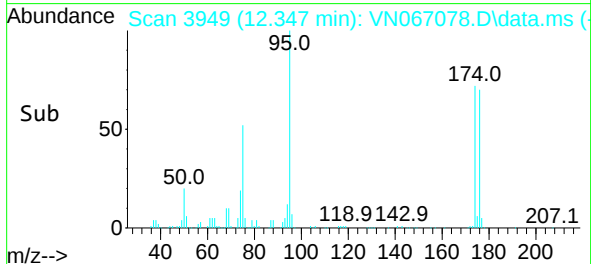
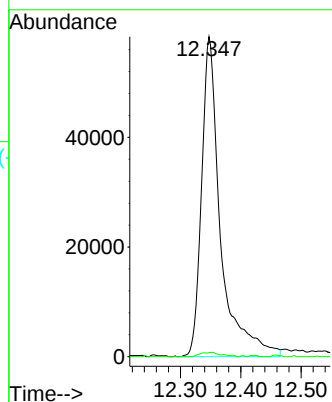
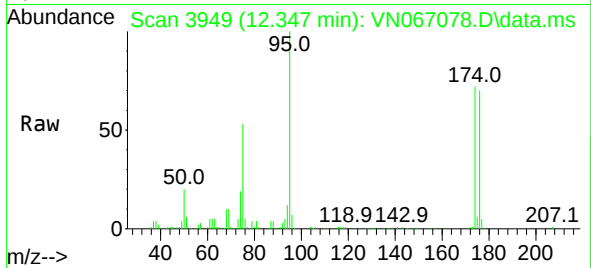




#76
1,2,3-Trichloropropane
Concen: 27.78 ug/l
RT: 12.347 min Scan# 3949
Delta R.T. -0.153 min
Lab File: VN067078.D
Acq: 10 May 2021 17:42

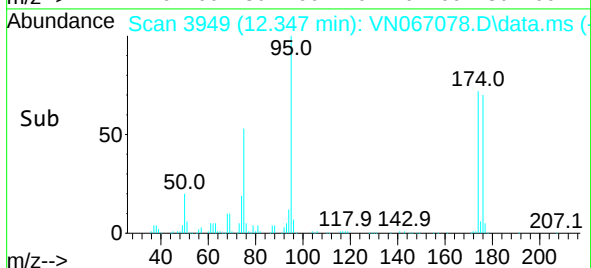
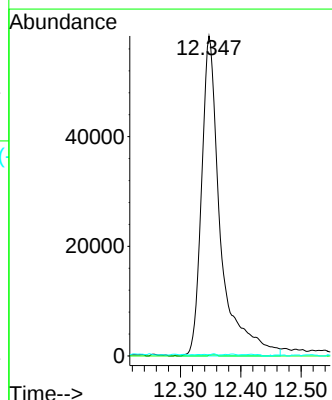
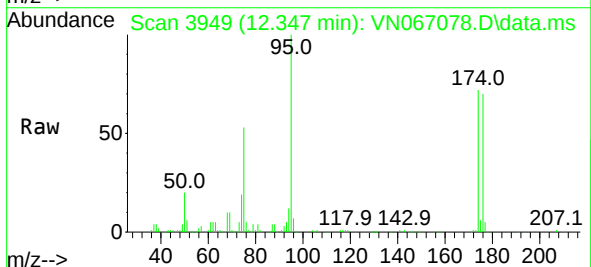
Instrument :
MSVOA_N
ClientSampled :

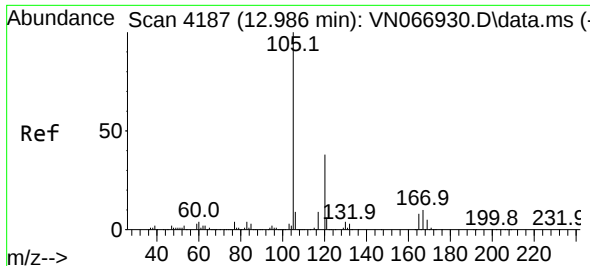
Tgt Ion: 75 Resp: 127544
Ion Ratio Lower Upper
75 100
77 0.5 0.0 0.0#



#81
trans-1,4-Dichloro-2-butene
Concen: 82.97 ug/l
RT: 12.347 min Scan# 3949
Delta R.T. 0.102 min
Lab File: VN067078.D
Acq: 10 May 2021 17:42

Tgt Ion: 75 Resp: 127544
Ion Ratio Lower Upper
75 100
53 0.1 74.6 111.8#
89 0.1 35.8 53.8#

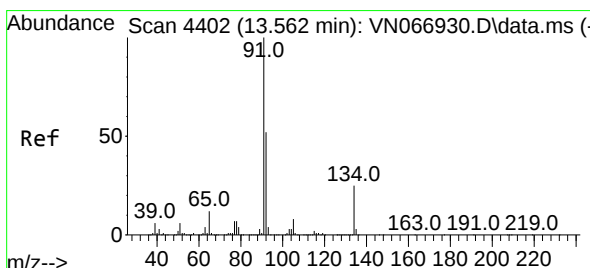
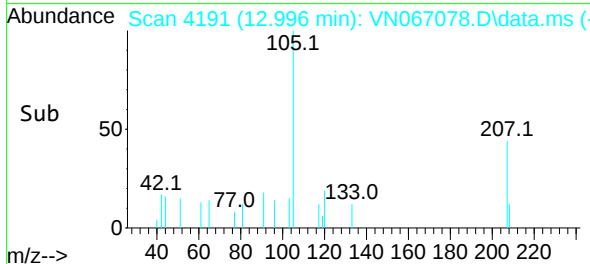
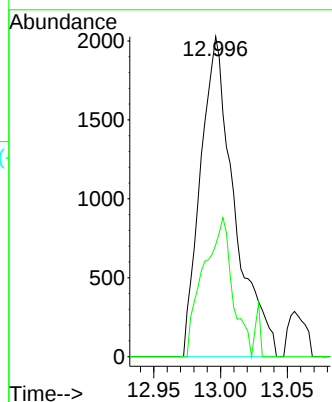
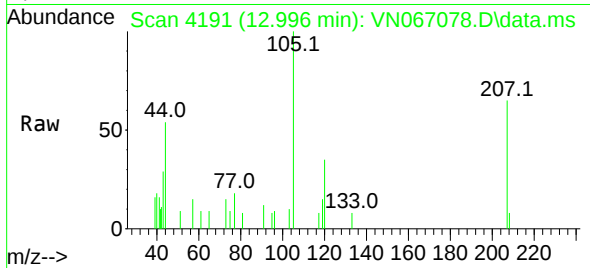




#84
1,2,4-Trimethylbenzene
Concen: 0.29 ug/l
RT: 12.996 min Scan# 4191
Delta R.T. 0.010 min
Lab File: VN067078.D
Acq: 10 May 2021 17:42

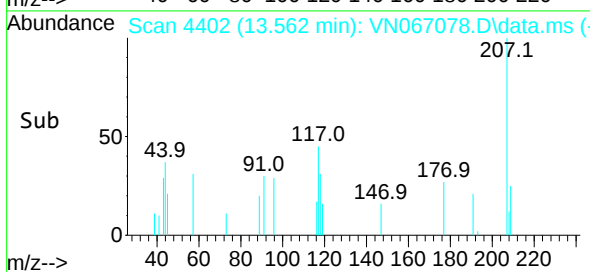
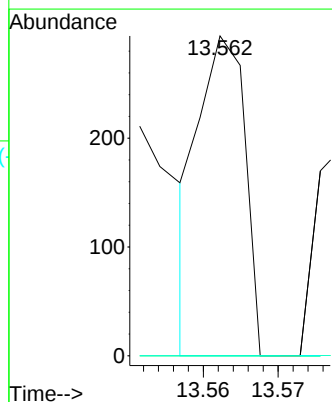
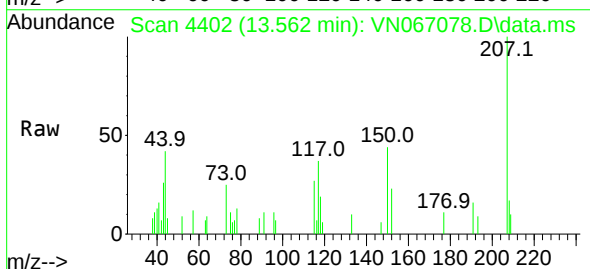
Instrument :
MSVOA_N
ClientSampleId :

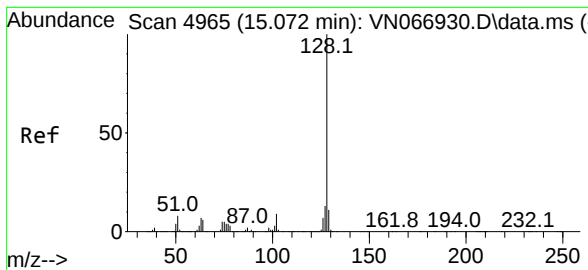
Tgt Ion:105 Resp: 3567
Ion Ratio Lower Upper
105 100
120 37.4 22.4 67.0



#89
n-Butylbenzene
Concen: 5.25 ug/l
RT: 13.562 min Scan# 4402
Delta R.T. 0.000 min
Lab File: VN067078.D
Acq: 10 May 2021 17:42

Tgt Ion: 91 Resp: 125
Ion Ratio Lower Upper
91 100
92 0.0 26.1 78.3#
134 0.0 13.0 38.9#





#95
Naphthalene
Concen: 5.08 ug/l
RT: 15.091 min Scan# 4972
Delta R.T. 0.019 min
Lab File: VN067078.D
Acq: 10 May 2021 17:42

Instrument :
MSVOA_N
ClientSampleId :

Tgt Ion:128 Resp: 42981
Ion Ratio Lower Upper
128 100
127 10.6 10.2 15.2
129 7.1 8.6 13.0#

