

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN030521\
 Data File : VN066138.D
 Acq On : 5 Mar 2021 16:32
 Operator : JC/MD
 Sample : VN0305WBL01
 Misc : 5.00mL/MSVOA_N/WATER
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0305WBL01

Quant Time: Mar 06 02:41:31 2021
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\624N030521W.M
 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
 QLast Update : Sat Mar 06 02:33:59 2021
 Response via : Initial Calibration

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

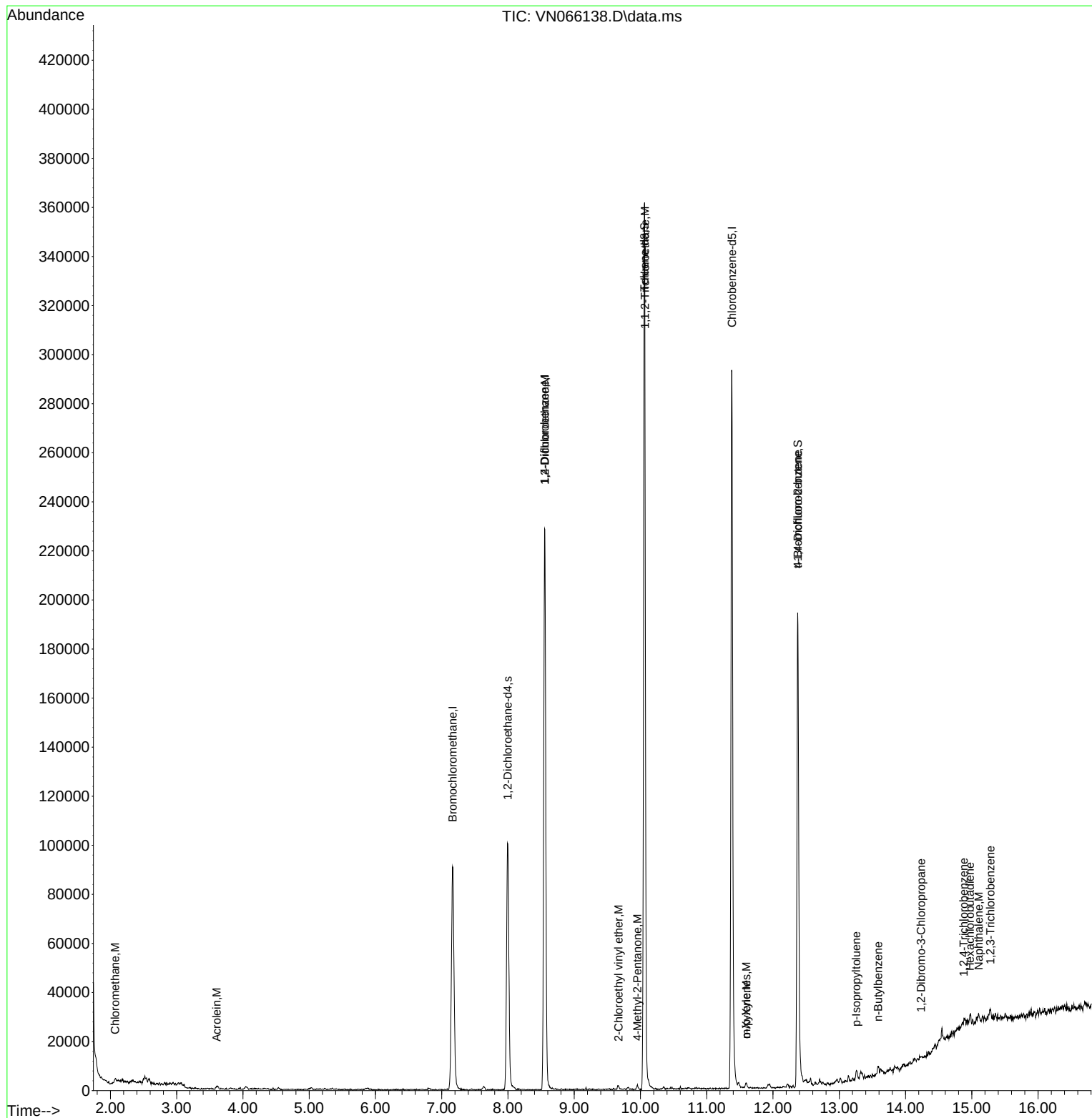
Internal Standards						
1) Bromochloromethane	7.164	128	38648	30.00	ug/l	0.00
28) 1,4-Difluorobenzene	8.553	114	215709	30.00	ug/l	0.00
57) Chlorobenzene-d5	11.380	117	185064	30.00	ug/l	0.00
System Monitoring Compounds						
27) 1,2-Dichloroethane-d4	7.997	65	99132	29.54	ug/l	0.00
Spiked Amount 30.000	Range 91 - 110		Recovery =	98.47%		
60) 4-Bromofluorobenzene	12.373	95	82173	25.64	ug/l	0.00
Spiked Amount 30.000	Range 63 - 112		Recovery =	85.47%		
63) Toluene-d8	10.061	98	258923	31.04	ug/l	0.00
Spiked Amount 30.000	Range 91 - 112		Recovery =	103.47%		
Target Compounds						Qvalue
3) Chloromethane	2.071	50	1427	0.56	ug/l	96
13) Acrolein	3.602	56	960	2.67	ug/l	98
36) 1,2-Dichloroethane	8.557	62	7100	1.81	ug/l #	74
50) 1,1,2-Trichloroethane	10.068	97	7935	3.39	ug/l #	1
55) 2-Chloroethyl vinyl ether	9.669	63	862	0.69	ug/l #	74
58) 4-Methyl-2-Pentanone	9.952	43	1354	0.55	ug/l #	82
67) m/p-Xylenes	11.598	106	902	0.21	ug/l #	40
68) o-Xylene	11.598	106	902	0.22	ug/l	36
77) t-1,4-Dichloro-2-butene	12.373	75	41909	39.94	ug/l #	14
82) p-Isopropyltoluene	13.257	119	2006	0.21	ug/l	90
85) n-Butylbenzene	13.585	91	2526	0.33	ug/l	82
88) 1,2-Dibromo-3-Chloropr...	14.235	75	160	0.23	ug/l #	1
89) 1,2,4-Trichlorobenzene	14.878	180	575	0.24	ug/l #	19
90) Hexachlorobutadiene	14.974	225	666	0.60	ug/l	85
91) Naphthalene	15.106	128	3157	0.44	ug/l #	72
92) 1,2,3-Trichlorobenzene	15.283	180	1387	0.56	ug/l	78

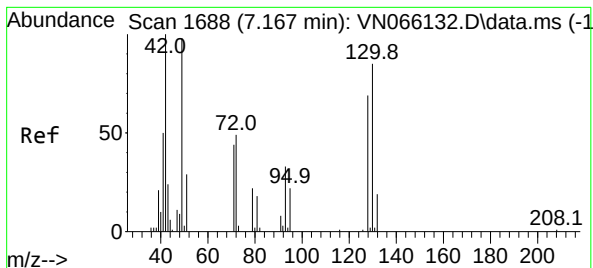
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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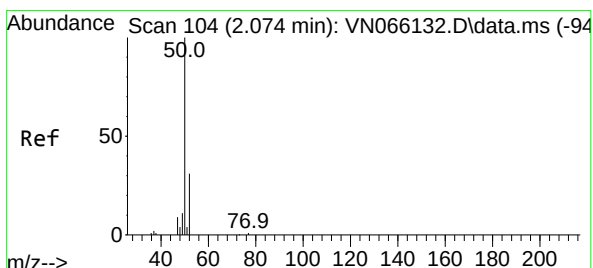
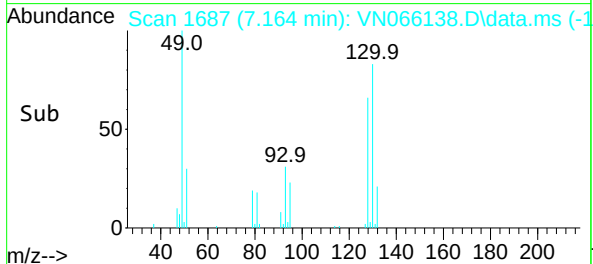
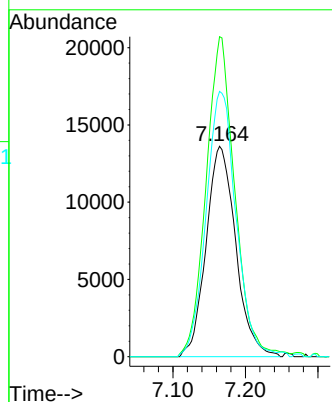
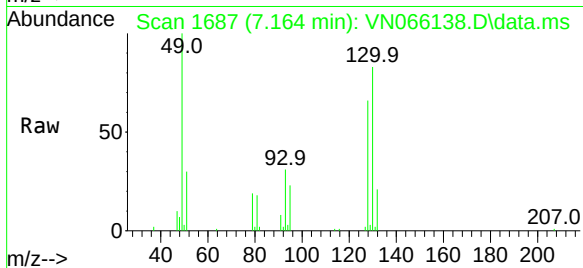




#1
Bromochloromethane
Concen: 30.00 ug/l
RT: 7.164 min Scan# 1687
Delta R.T. -0.003 min
Lab File: VN066138.D
Acq: 5 Mar 2021 16:32

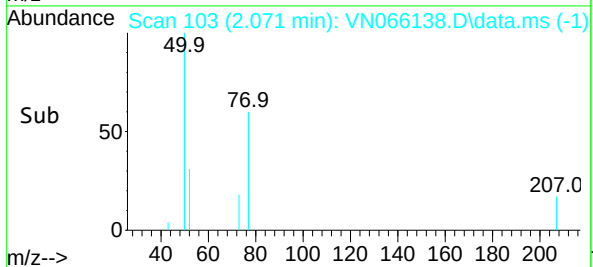
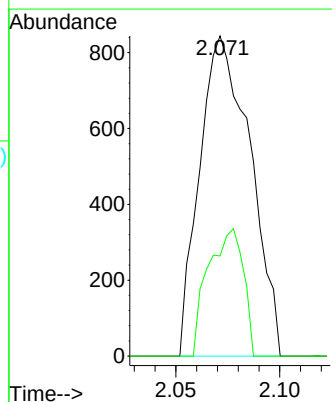
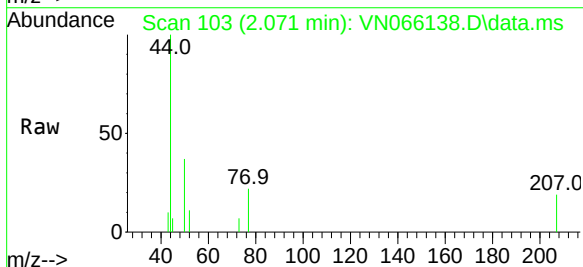
Instrument :
MSVOA_N
ClientSampleId :
VN0305WBL01

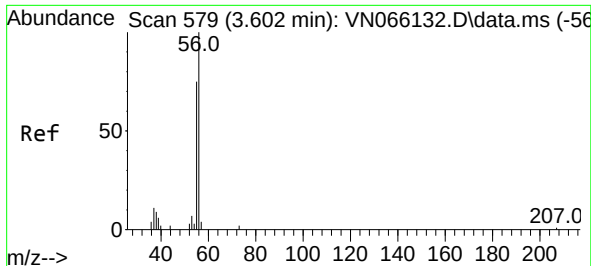
Tgt Ion:128 Resp: 38648
Ion Ratio Lower Upper
128 100
49 146.2 0.0 355.0
130 127.8 0.0 325.5



#3
Chloromethane
Concen: 0.56 ug/l
RT: 2.071 min Scan# 103
Delta R.T. -0.003 min
Lab File: VN066138.D
Acq: 5 Mar 2021 16:32

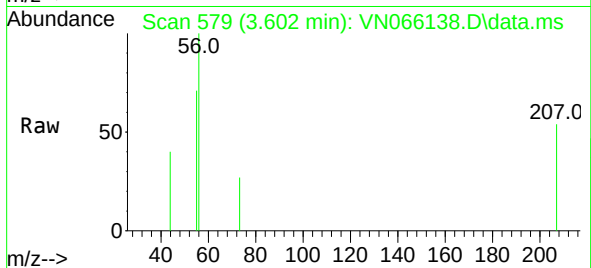
Tgt Ion: 50 Resp: 1427
Ion Ratio Lower Upper
50 100
52 31.3 26.8 40.2



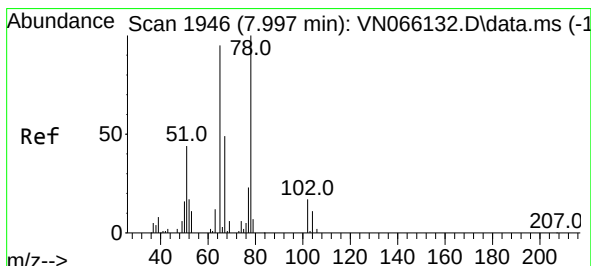
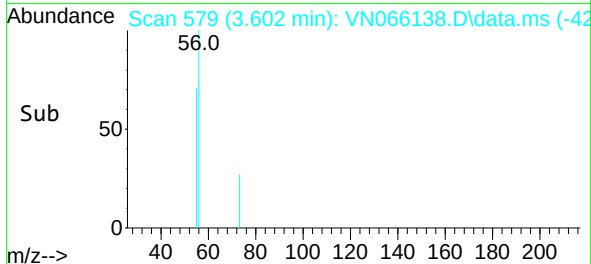
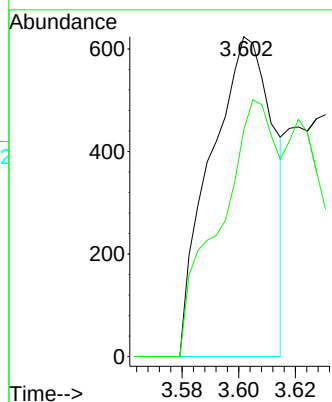


#13
Acrolein
Concen: 2.67 ug/l
RT: 3.602 min Scan# 579
Delta R.T. 0.000 min
Lab File: VN066138.D
Acq: 5 Mar 2021 16:32

Instrument :
MSVOA_N
ClientSampleId :
VN0305WBL01

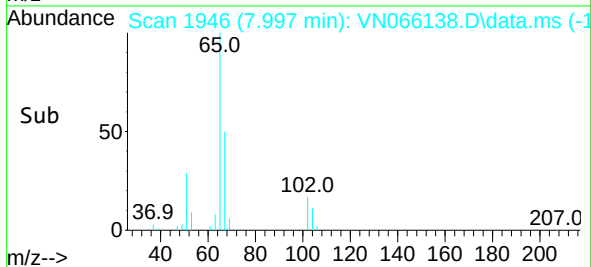
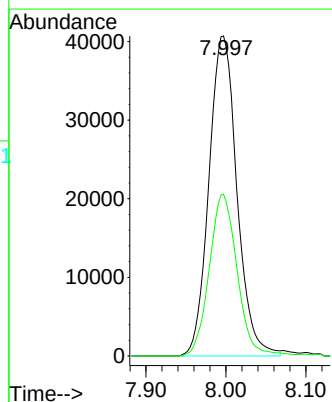
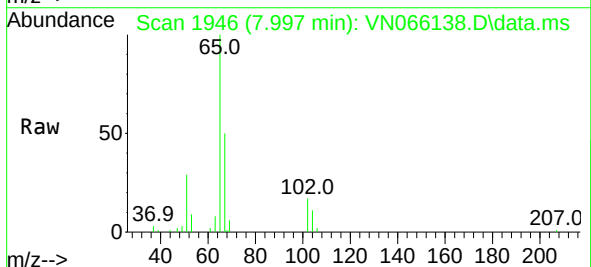


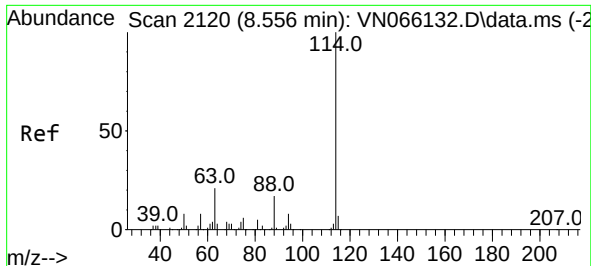
Tgt Ion: 56 Resp: 960
Ion Ratio Lower Upper
56 100
55 74.1 57.7 86.5



#27
1,2-Dichloroethane-d4
Concen: 29.54 ug/l
RT: 7.997 min Scan# 1946
Delta R.T. 0.000 min
Lab File: VN066138.D
Acq: 5 Mar 2021 16:32

Tgt Ion: 65 Resp: 99132
Ion Ratio Lower Upper
65 100
67 50.2 42.8 64.2





#28

1,4-Difluorobenzene

Concen: 30.00 ug/l

RT: 8.553 min Scan# 2119

Delta R.T. -0.003 min

Lab File: VN066138.D

Acq: 5 Mar 2021 16:32

Instrument :

MSVOA_N

ClientSampleId :

VN0305WBL01

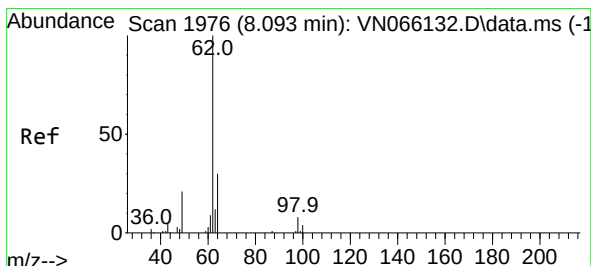
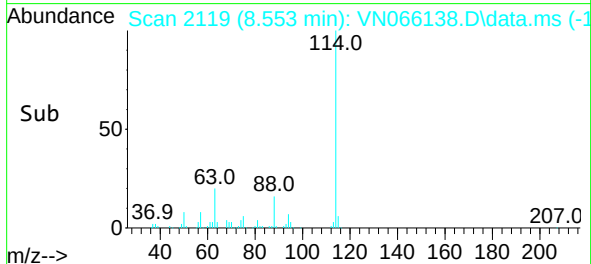
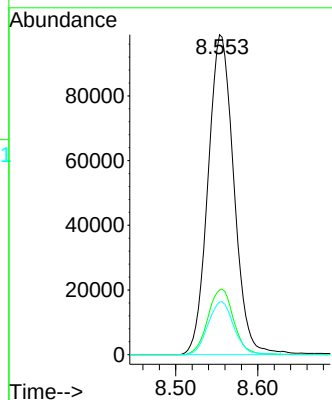
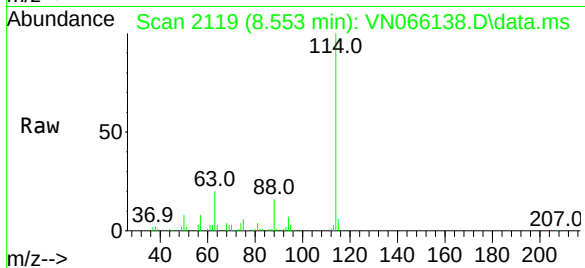
Tgt Ion:114 Resp: 215709

Ion Ratio Lower Upper

114 100

63 20.5 14.7 22.1

88 16.7 11.7 17.5



#36

1,2-Dichloroethane

Concen: 1.81 ug/l

RT: 8.557 min Scan# 2120

Delta R.T. 0.463 min

Lab File: VN066138.D

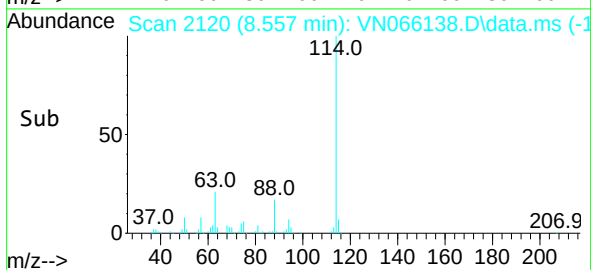
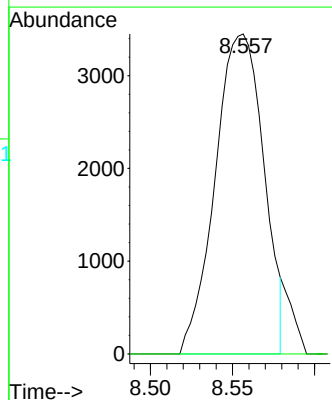
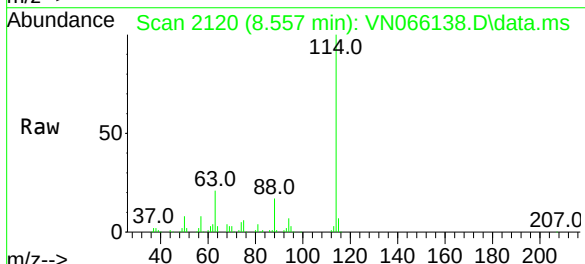
Acq: 5 Mar 2021 16:32

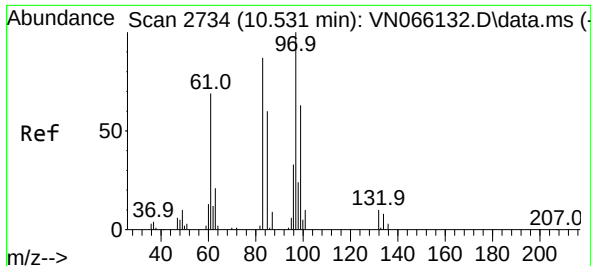
Tgt Ion: 62 Resp: 7100

Ion Ratio Lower Upper

62 100

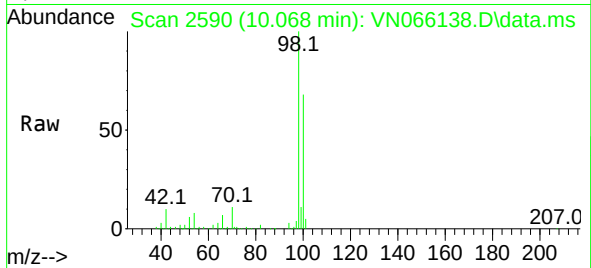
98 0.0 7.4 11.2#



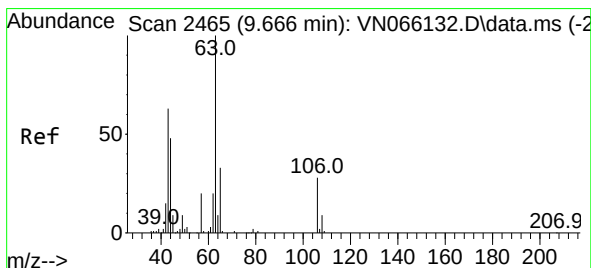
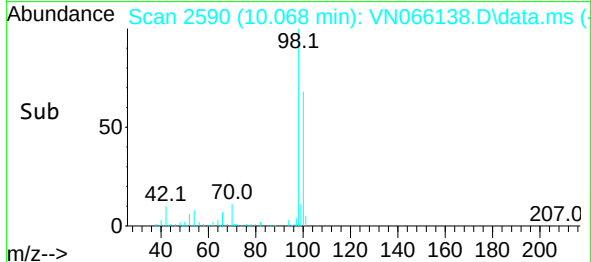
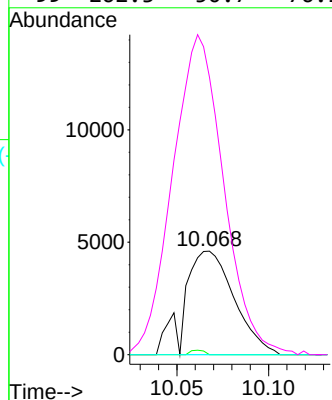


#50
1,1,2-Trichloroethane
Concen: 3.39 ug/l
RT: 10.068 min Scan# 2590
Delta R.T. -0.463 min
Lab File: VN066138.D
Acq: 5 Mar 2021 16:32

Instrument :
MSVOA_N
ClientSampleId :
VN0305WBL01

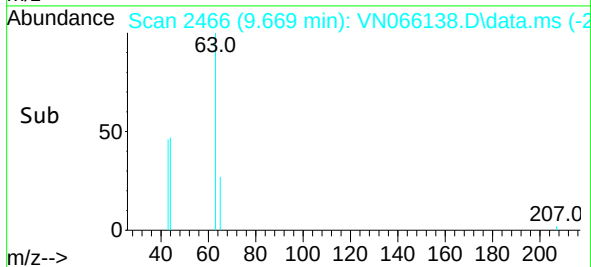
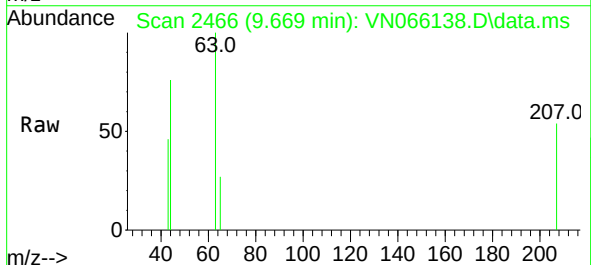
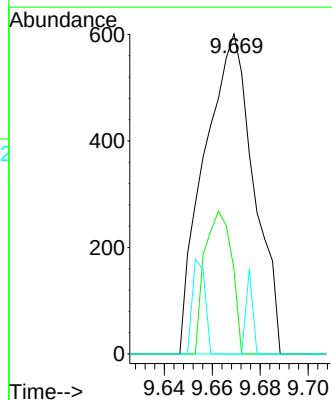


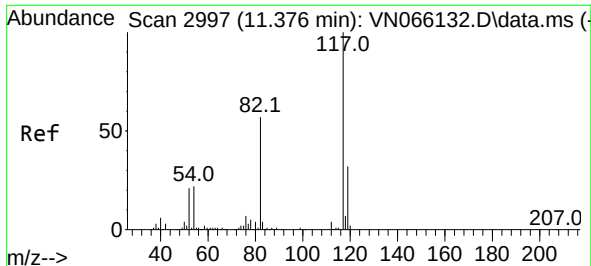
Tgt Ion: 97 Resp: 7935
Ion Ratio Lower Upper
97 100
83 0.0 68.4 102.6#
85 0.0 42.8 64.2#
99 262.3 50.7 76.1#



#55
2-Chloroethyl vinyl ether
Concen: 0.69 ug/l
RT: 9.669 min Scan# 2466
Delta R.T. 0.003 min
Lab File: VN066138.D
Acq: 5 Mar 2021 16:32

Tgt Ion: 63 Resp: 862
Ion Ratio Lower Upper
63 100
65 24.4 25.7 38.5#
106 7.5 23.1 34.7#

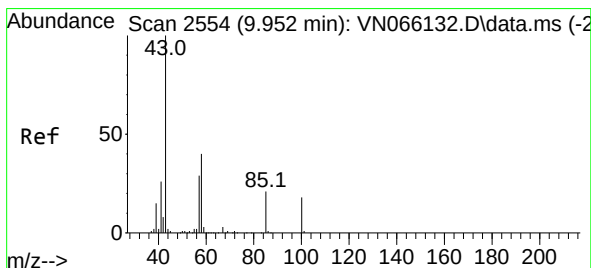
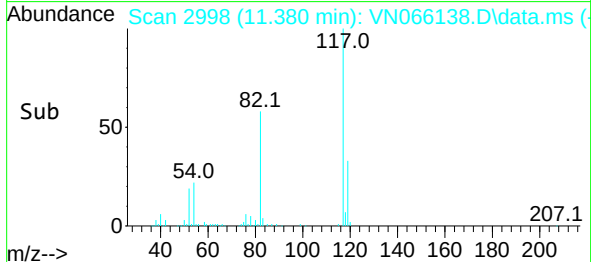
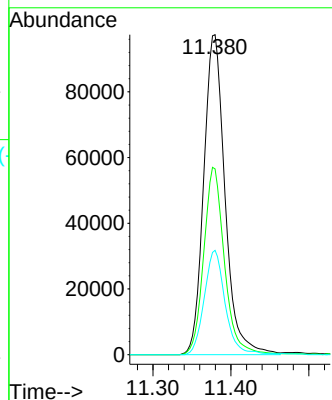
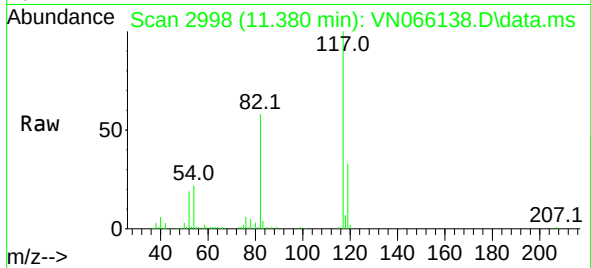




#57
Chlorobenzene-d5
Concen: 30.00 ug/l
RT: 11.380 min Scan# 2998
Delta R.T. 0.003 min
Lab File: VN066138.D
Acq: 5 Mar 2021 16:32

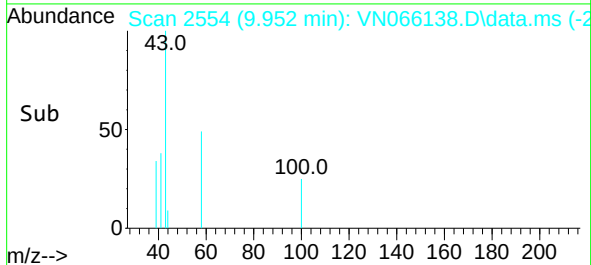
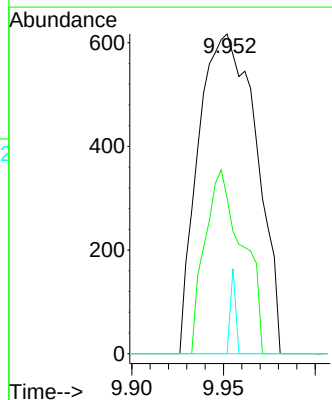
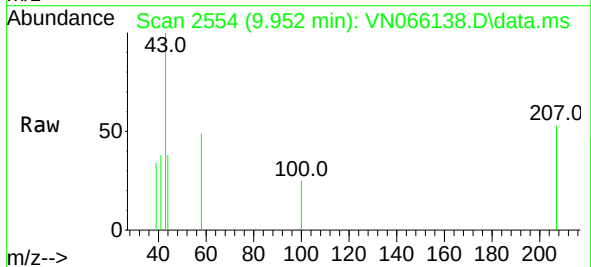
Instrument :
MSVOA_N
ClientSampleId :
VN0305WBL01

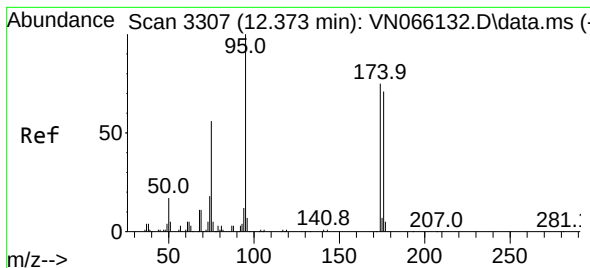
Tgt Ion: 117 Resp: 185064
Ion Ratio Lower Upper
117 100
82 57.0 41.3 61.9
119 31.9 25.7 38.5



#58
4-Methyl-2-Pentanone
Concen: 0.55 ug/l
RT: 9.952 min Scan# 2554
Delta R.T. 0.000 min
Lab File: VN066138.D
Acq: 5 Mar 2021 16:32

Tgt Ion: 43 Resp: 1354
Ion Ratio Lower Upper
43 100
58 37.4 32.7 49.1
85 0.0 16.0 24.0#

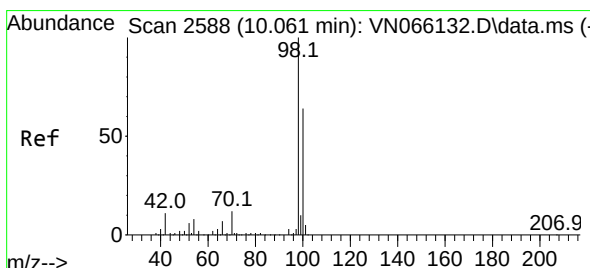
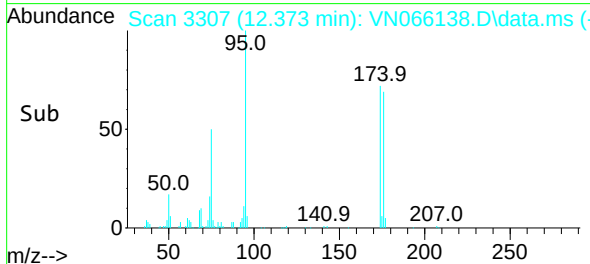
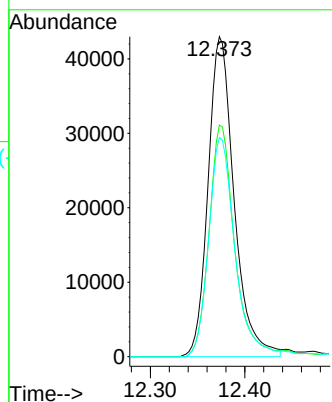
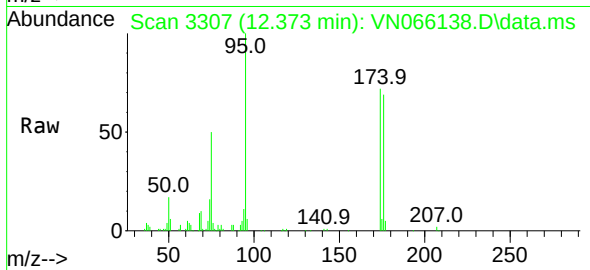




#60
4-Bromofluorobenzene
Concen: 25.64 ug/l
RT: 12.373 min Scan# 3307
Delta R.T. 0.000 min
Lab File: VN066138.D
Acq: 5 Mar 2021 16:32

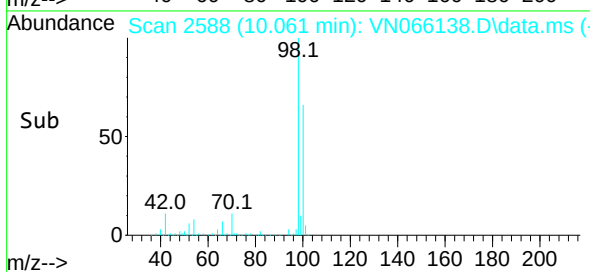
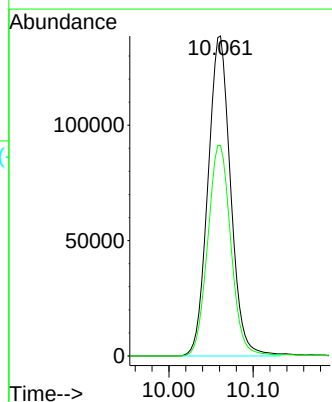
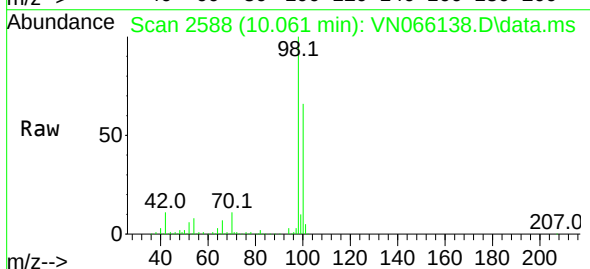
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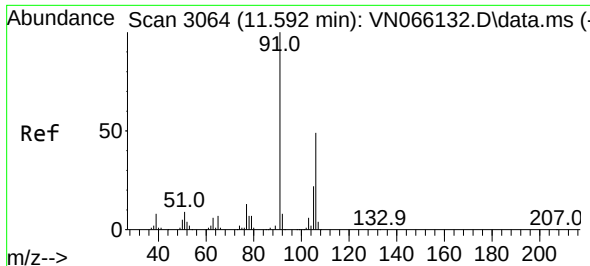
Tgt Ion: 95 Resp: 82173
Ion Ratio Lower Upper
95 100
174 70.9 77.0 115.6#
176 68.6 75.8 113.6#



#63
Toluene-d8
Concen: 31.04 ug/l
RT: 10.061 min Scan# 2588
Delta R.T. 0.000 min
Lab File: VN066138.D
Acq: 5 Mar 2021 16:32

Tgt Ion: 98 Resp: 258923
Ion Ratio Lower Upper
98 100
100 67.2 51.9 77.9

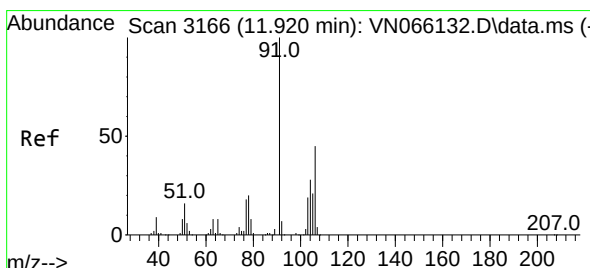
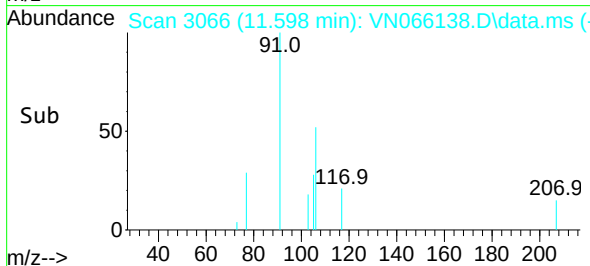
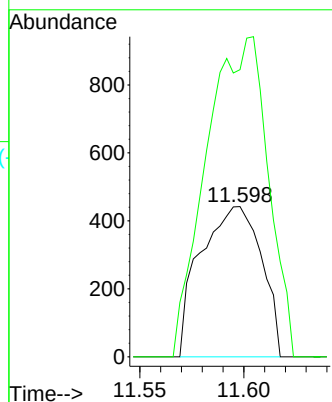
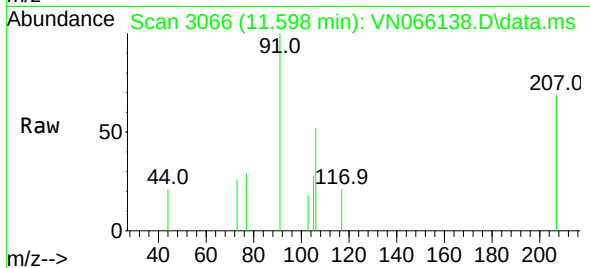




#67
m/p-Xylenes
Concen: 0.21 ug/l
RT: 11.598 min Scan# 3066
Delta R.T. 0.007 min
Lab File: VN066138.D
Acq: 5 Mar 2021 16:32

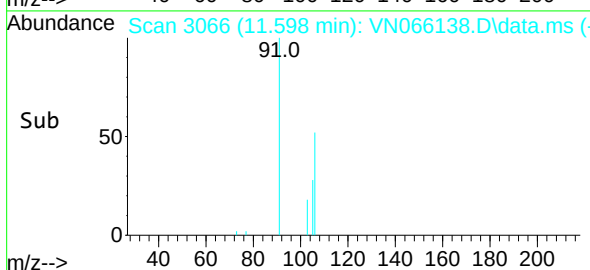
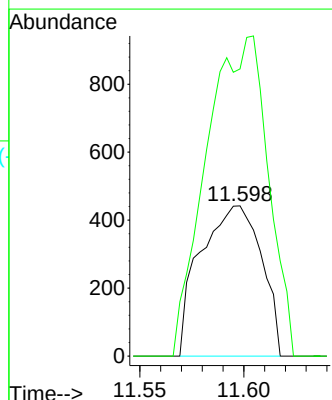
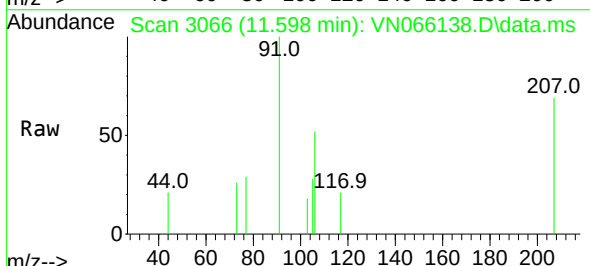
Instrument :
MSVOA_N
ClientSampleId :
VN0305WBL01

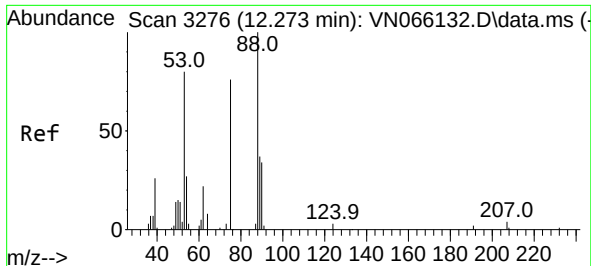
Tgt Ion:106 Resp: 902
Ion Ratio Lower Upper
106 100
91 109.0 159.0 238.6#



#68
o-Xylene
Concen: 0.22 ug/l
RT: 11.598 min Scan# 3066
Delta R.T. -0.321 min
Lab File: VN066138.D
Acq: 5 Mar 2021 16:32

Tgt Ion:106 Resp: 902
Ion Ratio Lower Upper
106 100
91 109.0 104.7 313.9

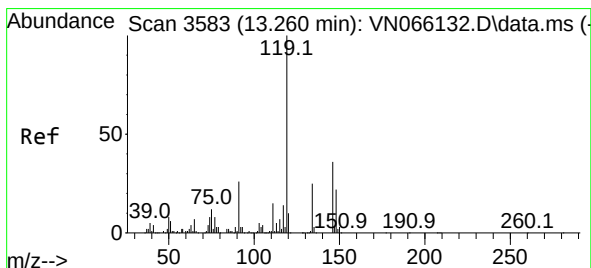
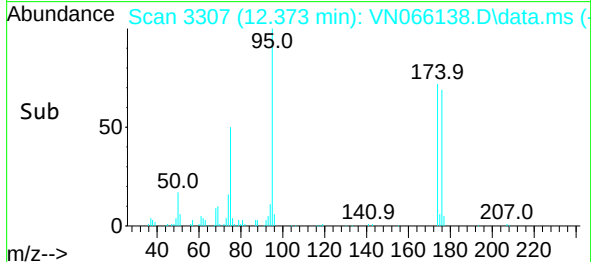
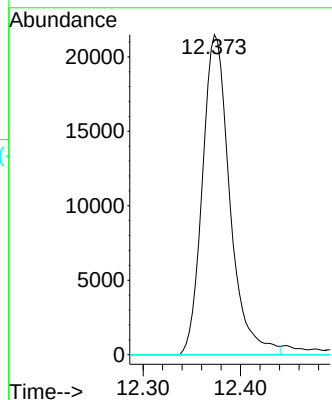
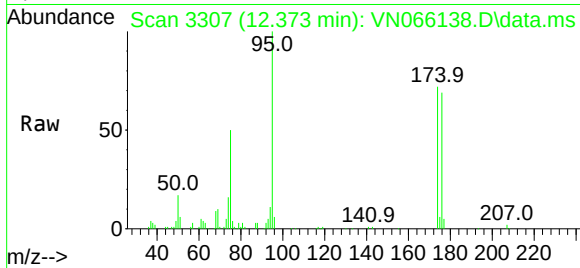




#77
t-1,4-Dichloro-2-butene
Concen: 39.94 ug/l
RT: 12.373 min Scan# 3307
Delta R.T. 0.100 min
Lab File: VN066138.D
Acq: 5 Mar 2021 16:32

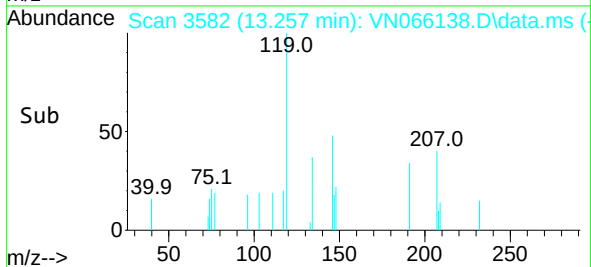
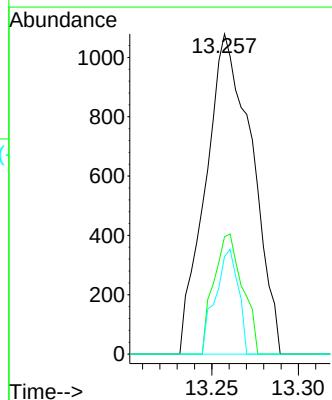
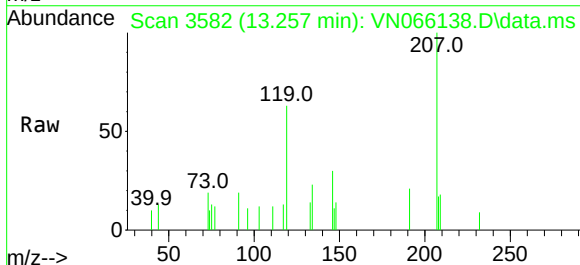
Instrument :
MSVOA_N
ClientSampleId :
VN0305WBL01

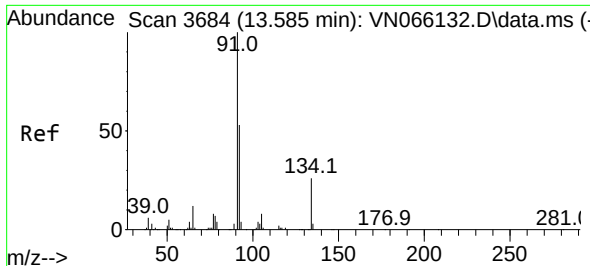
Tgt Ion: 75 Resp: 41909
Ion Ratio Lower Upper
75 100
53 0.0 44.9 134.5#
89 0.0 21.3 64.0#



#82
p-Isopropyltoluene
Concen: 0.21 ug/l
RT: 13.257 min Scan# 3582
Delta R.T. -0.003 min
Lab File: VN066138.D
Acq: 5 Mar 2021 16:32

Tgt Ion: 119 Resp: 2006
Ion Ratio Lower Upper
119 100
134 23.3 0.0 54.8
91 16.1 0.0 44.8



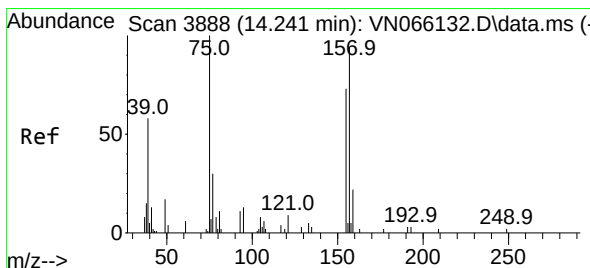
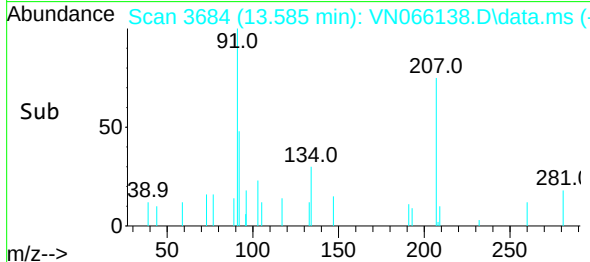
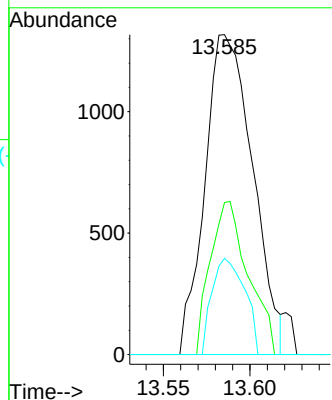
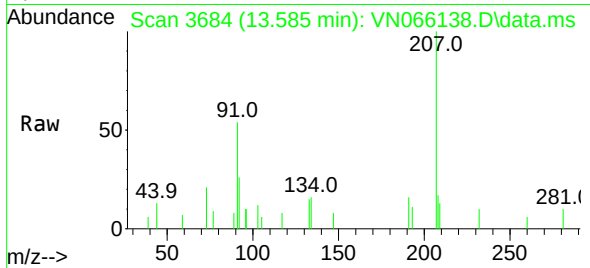


#85
n-Butylbenzene
Concen: 0.33 ug/l
RT: 13.585 min Scan# 3684
Delta R.T. 0.000 min
Lab File: VN066138.D
Acq: 5 Mar 2021 16:32

Instrument :
MSVOA_N
ClientSampleId :
VN0305WBL01

Tgt Ion: 91 Resp: 2526

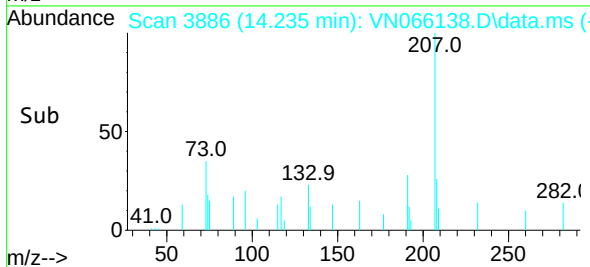
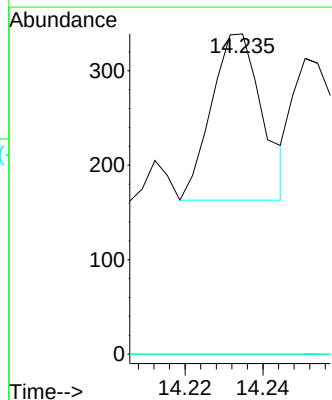
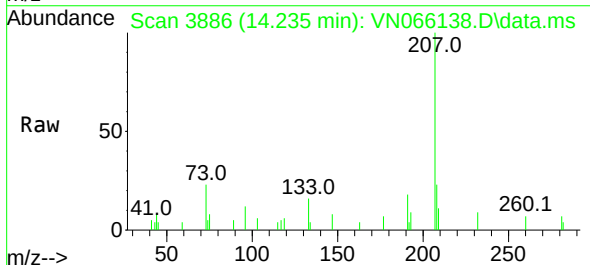
Ion	Ratio	Lower	Upper
91	100		
92	38.1	0.0	104.8
134	20.6	0.0	55.8

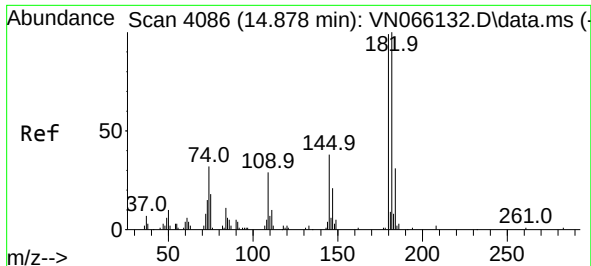


#88
1,2-Dibromo-3-Chloropropane
Concen: 0.23 ug/l
RT: 14.235 min Scan# 3886
Delta R.T. -0.006 min
Lab File: VN066138.D
Acq: 5 Mar 2021 16:32

Tgt Ion: 75 Resp: 160

Ion	Ratio	Lower	Upper
75	100		
155	0.0	76.9	115.3#
157	0.0	105.8	158.8#

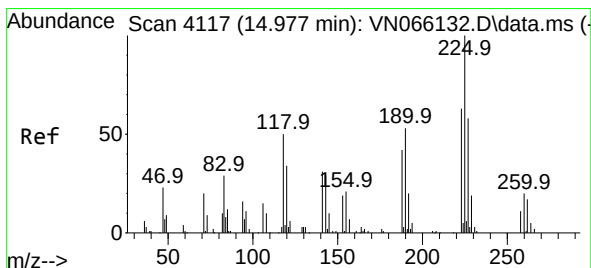
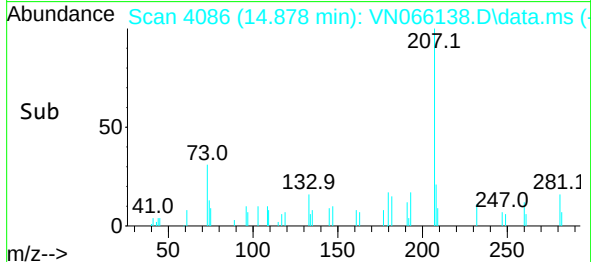
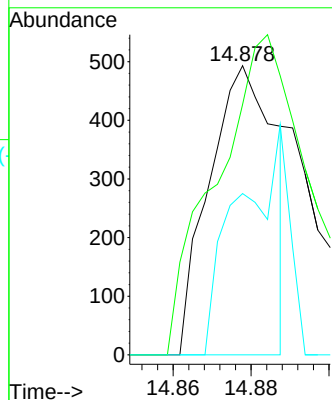
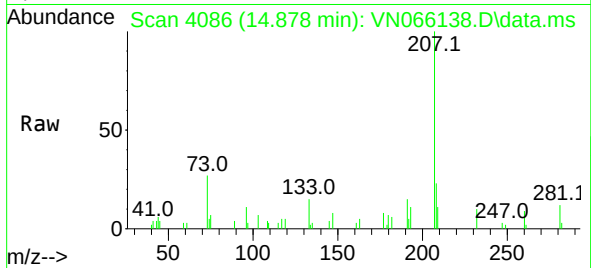




#89
1,2,4-Trichlorobenzene
Concen: 0.24 ug/l
RT: 14.878 min Scan# 4086
Delta R.T. 0.000 min
Lab File: VN066138.D
Acq: 5 Mar 2021 16:32

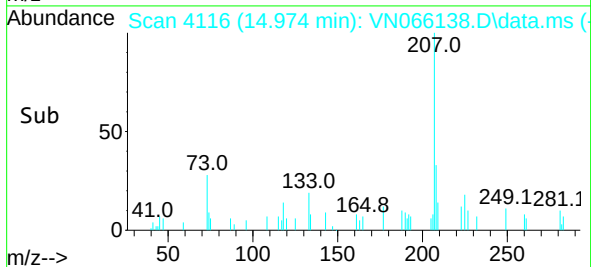
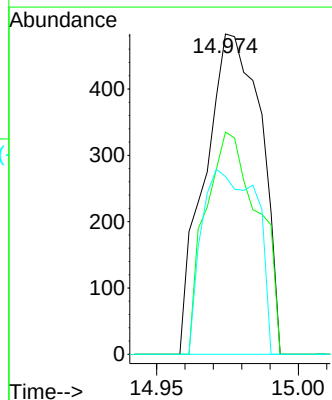
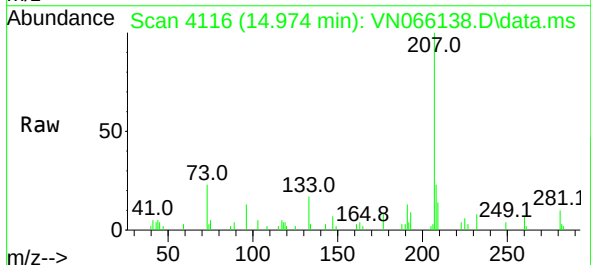
Instrument :
MSVOA_N
ClientSampleId :
VN0305WBL01

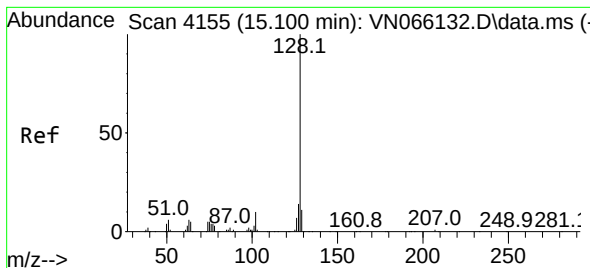
Tgt Ion:180 Resp: 575
Ion Ratio Lower Upper
180 100
182 0.0 78.5 117.7#
145 40.7 23.8 35.6#



#90
Hexachlorobutadiene
Concen: 0.60 ug/l
RT: 14.974 min Scan# 4116
Delta R.T. -0.003 min
Lab File: VN066138.D
Acq: 5 Mar 2021 16:32

Tgt Ion:225 Resp: 666
Ion Ratio Lower Upper
225 100
223 59.2 0.0 122.0
227 41.9 0.0 126.4

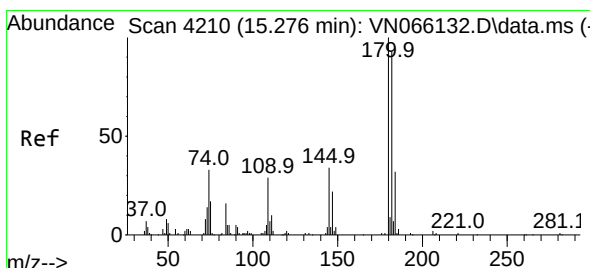
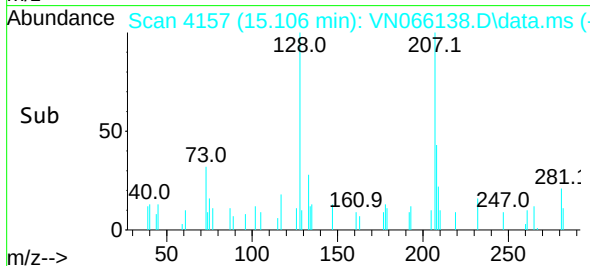
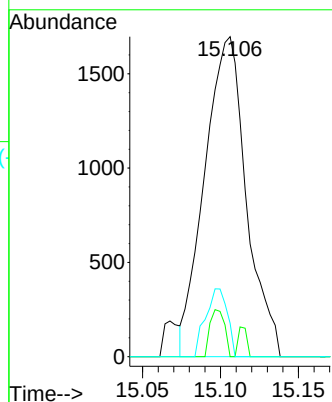
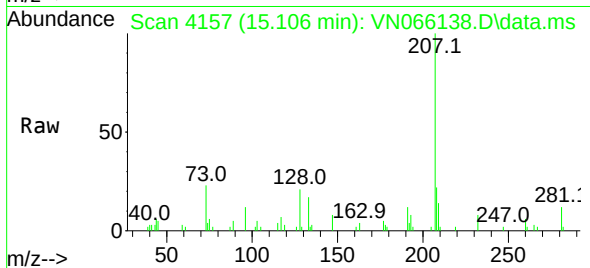




#91
Naphthalene
Concen: 0.44 ug/l
RT: 15.106 min Scan# 4157
Delta R.T. 0.007 min
Lab File: VN066138.D
Acq: 5 Mar 2021 16:32

Instrument :
MSVOA_N
ClientSampleId :
VN0305WBL01

Tgt Ion:128 Resp: 3157
Ion Ratio Lower Upper
128 100
127 1.9 10.1 15.1#
129 0.0 8.6 12.8#



#92
1,2,3-Trichlorobenzene
Concen: 0.56 ug/l
RT: 15.283 min Scan# 4212
Delta R.T. 0.007 min
Lab File: VN066138.D
Acq: 5 Mar 2021 16:32

Tgt Ion:180 Resp: 1387
Ion Ratio Lower Upper
180 100
182 72.0 0.0 190.4
145 20.5 0.0 57.8

