

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN030521\
 Data File : VN066136.D
 Acq On : 5 Mar 2021 15:35
 Operator : JC/MD
 Sample : IBLK
 Misc : 5.00mL/MSVOA_N/WATER
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 IBLK

Quant Time: Mar 06 02:40:23 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	7.171	128	41012	30.00	ug/l	0.00
28) 1,4-Difluorobenzene	8.556	114	232829	30.00	ug/l	0.00
57) Chlorobenzene-d5	11.380	117	203653	30.00	ug/l	0.00
System Monitoring Compounds						
27) 1,2-Dichloroethane-d4	7.997	65	105394	29.60	ug/l	0.00
Spiked Amount	30.000	Range	91 - 110	Recovery	=	98.67%
60) 4-Bromofluorobenzene	12.373	95	94341	26.75	ug/l	0.00
Spiked Amount	30.000	Range	63 - 112	Recovery	=	89.17%
63) Toluene-d8	10.061	98	286456	31.21	ug/l	0.00
Spiked Amount	30.000	Range	91 - 112	Recovery	=	104.03%
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.872	85	601	0.30	ug/l	86
3) Chloromethane	2.074	50	2007	0.74	ug/l	96
4) Vinyl Chloride	2.209	62	1018	0.36	ug/l #	42
5) Bromomethane	2.586	94	1751	0.89	ug/l	82
11) Methyl Iodide	3.952	142	1157	0.37	ug/l #	85
12) Methyl Acetate	4.309	43	615	0.28	ug/l #	50
13) Acrolein	3.605	56	1506	3.94	ug/l	88
14) Acrylonitrile	4.975	53	1625	1.53	ug/l #	48
15) Acetone	3.820	58	538	1.73	ug/l #	1
16) Carbon Disulfide	4.052	76	10220	1.71	ug/l	97
19) trans-1,2-Dichloroethene	5.029	96	1093	0.47	ug/l #	78
22) cis-1,2-Dichloroethene	6.804	96	1136	0.40	ug/l #	79
23) tert-Butyl Alcohol	4.762	59	96	0.20	ug/l #	100
29) 1,1-Dichloropropene	7.766	75	1127	0.33	ug/l	95
30) 2-Butanone	6.804	43	1248	0.90	ug/l #	94
36) 1,2-Dichloroethane	8.100	62	1554	0.37	ug/l #	74
37) Trichloroethene	8.810	130	1496	0.53	ug/l	84
39) 1,2-Dichloropropane	9.087	63	632	0.24	ug/l #	87
40) Dibromomethane	9.187	93	533	0.29	ug/l	82
42) Vinyl Acetate	5.878	43	7485	1.21	ug/l #	80
44) Isopropyl Acetate	8.132	43	1350	0.26	ug/l #	65
45) 1,4-Dioxane	9.174	88	275	5.97	ug/l #	1
46) Methyl methacrylate	9.171	41	639	0.26	ug/l	81
48) t-1,3-Dichloropropene	10.351	75	2144	0.46	ug/l	90
49) cis-1,3-Dichloropropene	9.810	75	1870	0.39	ug/l	94
50) 1,1,2-Trichloroethane	10.537	97	890	0.35	ug/l #	84
51) Ethyl methacrylate	10.399	69	991	0.26	ug/l #	86
52) 1,3-Dichloropropane	10.682	76	1459	0.33	ug/l	68
53) Dibromochloromethane	10.875	129	723	0.23	ug/l	77
54) 1,2-Dibromoethane	10.981	107	732	0.27	ug/l #	76
55) 2-Chloroethyl vinyl ether	9.663	63	1511	1.12	ug/l #	81
58) 4-Methyl-2-Pentanone	9.952	43	5185	1.92	ug/l	97
59) 2-Hexanone	10.724	43	3729	1.99	ug/l #	88
61) Tetrachloroethene	10.601	164	1726	0.66	ug/l #	78
62) Toluene	10.129	91	4240	0.40	ug/l	95
64) Chlorobenzene	11.405	112	3777	0.55	ug/l #	77
66) Ethyl Benzene	11.482	91	5936	0.49	ug/l	96
67) m/p-Xylenes	11.592	106	4837	1.03	ug/l	96
68) o-Xylene	11.923	106	1854	0.40	ug/l	81

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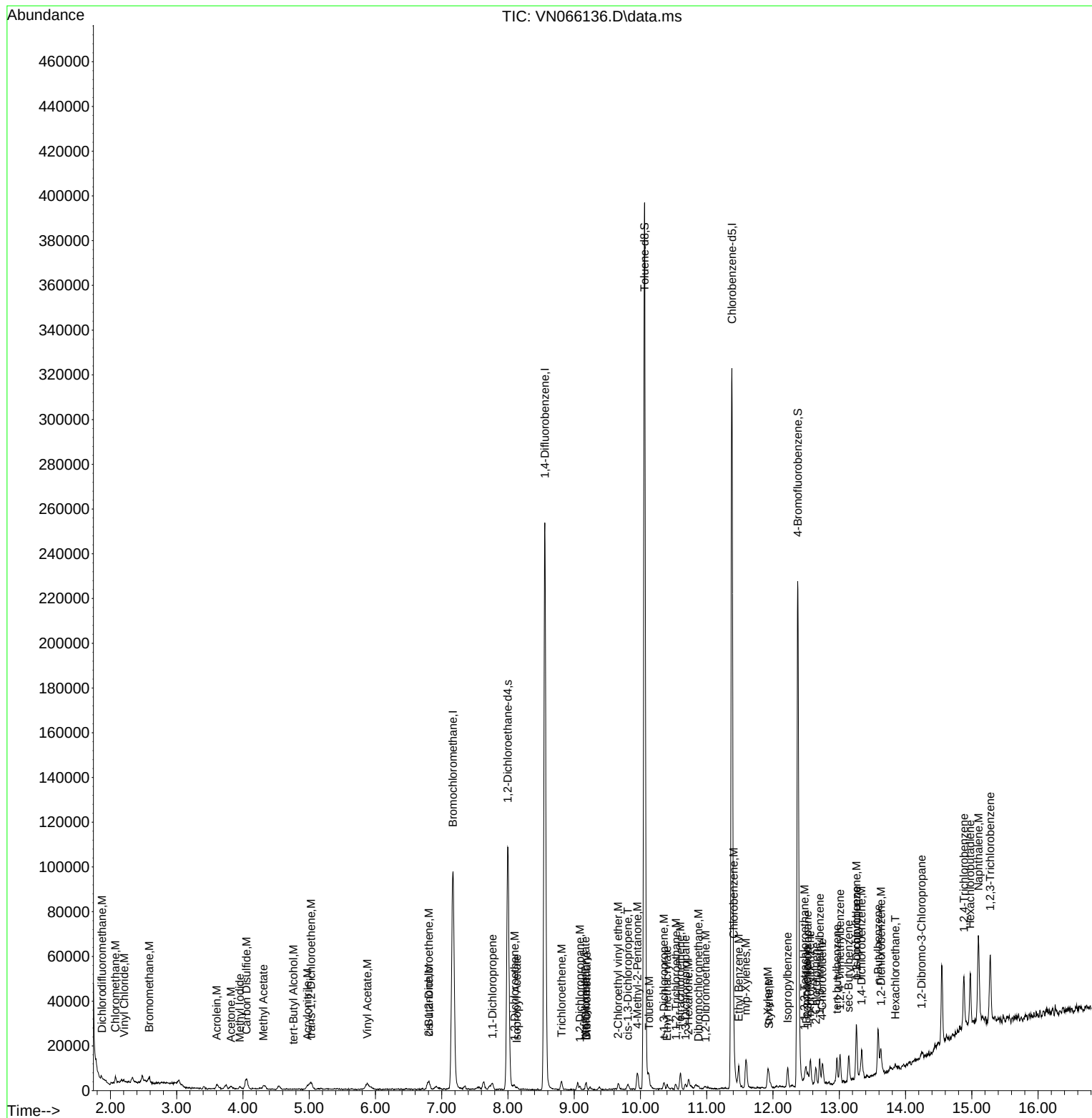
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
69) Styrene	11.939	104	3592	0.48	ug/l	93
70) Isopropylbenzene	12.222	105	6214	0.52	ug/l	94
71) 1,1,2,2-Tetrachloroethane	12.476	83	1944	0.60	ug/l #	93
72) 1,2,3-Trichloropropane	12.524	75	2532	0.77	ug/l	94
73) Bromobenzene	12.502	156	1899	0.66	ug/l	59
74) n-propylbenzene	12.563	91	9465	0.71	ug/l	96
75) 2-Chlorotoluene	12.650	91	5820	0.69	ug/l	85
76) 1,3,5-Trimethylbenzene	12.704	105	6767	0.63	ug/l	85
78) 4-Chlorotoluene	12.743	91	6479	0.75	ug/l	100
79) tert-butylbenzene	12.965	119	5462	0.61	ug/l	90
80) 1,2,4-Trimethylbenzene	13.013	105	7678	0.73	ug/l	94
81) sec-Butylbenzene	13.142	105	8834	0.79	ug/l	100
82) p-Isopropyltoluene	13.260	119	9704	0.91	ug/l	97
83) 1,3-Dichlorobenzene	13.260	146	5085	1.02	ug/l	94
84) 1,4-Dichlorobenzene	13.338	146	6073	1.26	ug/l	95
85) n-Butylbenzene	13.585	91	13440	1.61	ug/l	99
86) Hexachloroethane	13.846	117	393	0.24	ug/l	69
87) 1,2-Dichlorobenzene	13.630	146	5193	1.05	ug/l	97
88) 1,2-Dibromo-3-Chloropr...	14.241	75	947	1.22	ug/l #	66
89) 1,2,4-Trichlorobenzene	14.881	180	7165	2.68	ug/l #	96
90) Hexachlorobutadiene	14.977	225	4023	3.31	ug/l	95
91) Naphthalene	15.100	128	34141	4.37	ug/l	97
92) 1,2,3-Trichlorobenzene	15.280	180	10131	3.72	ug/l	95

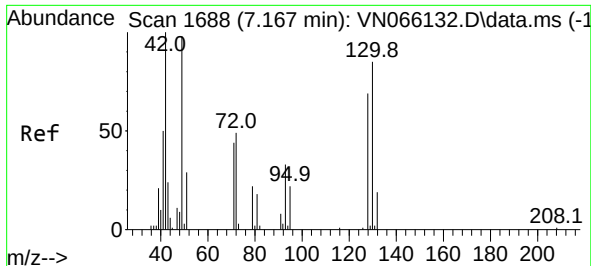
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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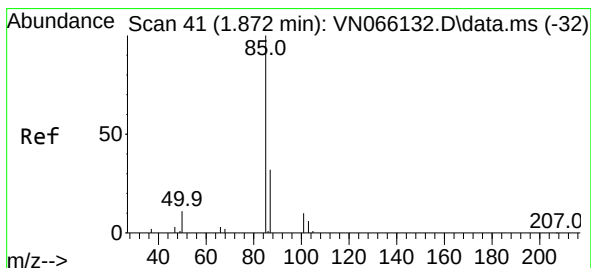
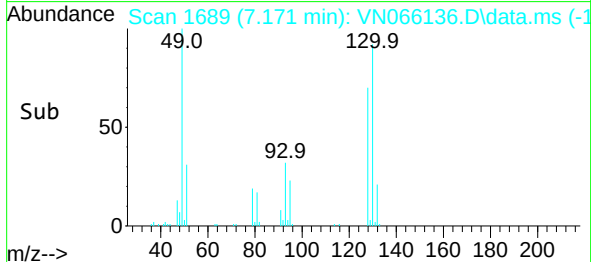
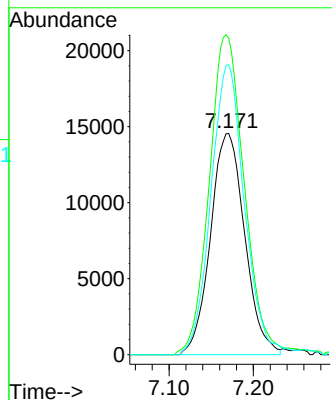
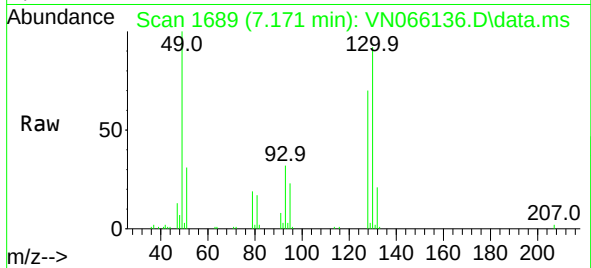




#1
Bromochloromethane
Concen: 30.00 ug/l
RT: 7.171 min Scan# 1689
Delta R.T. 0.004 min
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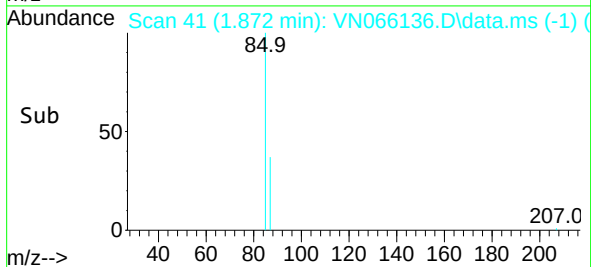
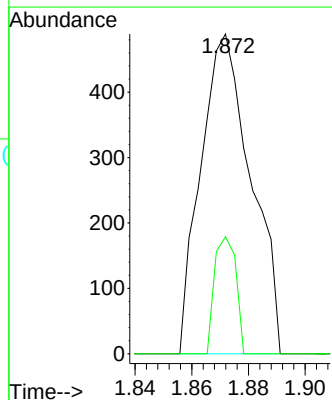
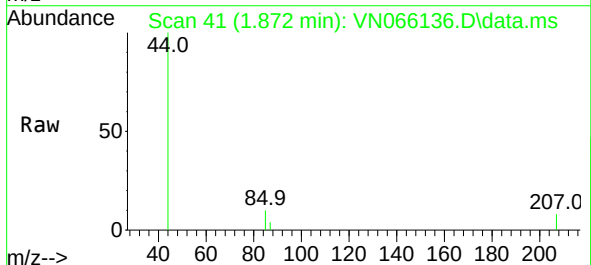
Instrument :
MSVOA_N
ClientSampled :
IBLK

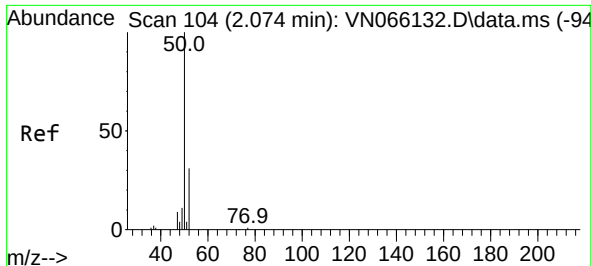
Tgt Ion:128 Resp: 41012
Ion Ratio Lower Upper
128 100
49 149.0 0.0 355.0
130 129.0 0.0 325.5



#2
Dichlorodifluoromethane
Concen: 0.30 ug/l
RT: 1.872 min Scan# 41
Delta R.T. 0.000 min
Lab File: VN066136.D
Acq: 5 Mar 2021 15:35

Tgt Ion: 85 Resp: 601
Ion Ratio Lower Upper
85 100
87 36.6 14.6 43.8

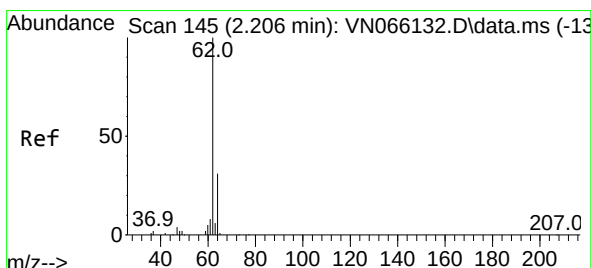
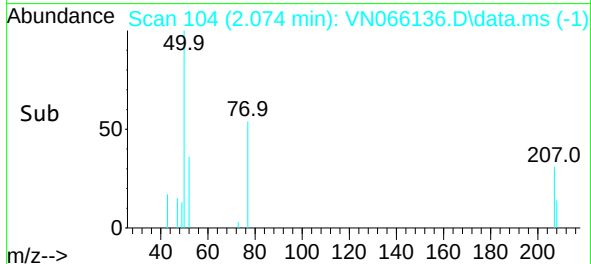
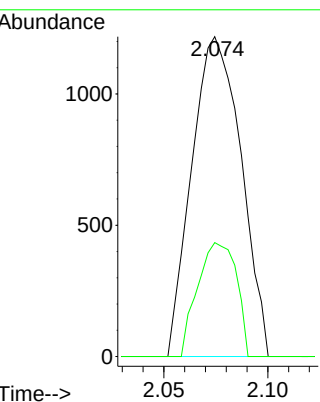
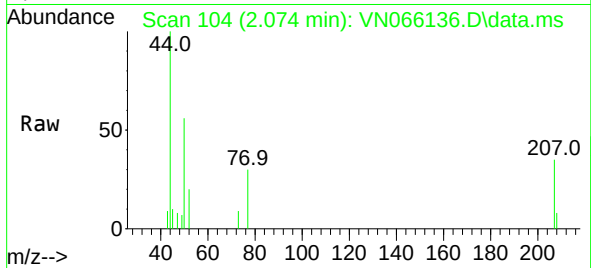




#3
Chloromethane
Concen: 0.74 ug/l
RT: 2.074 min Scan# 104
Delta R.T. 0.000 min
Lab File: VN066136.D
Acq: 5 Mar 2021 15:35

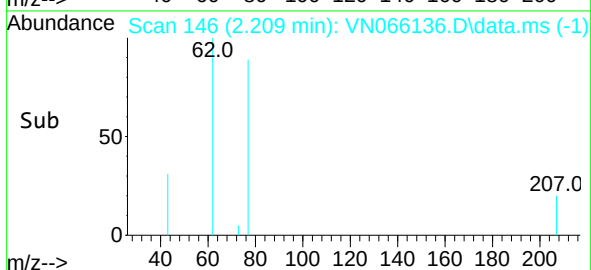
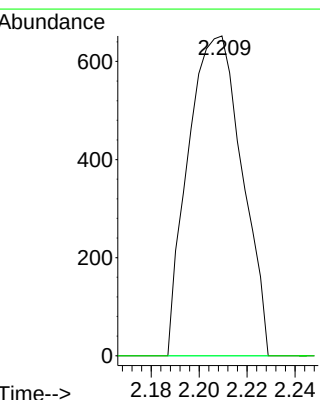
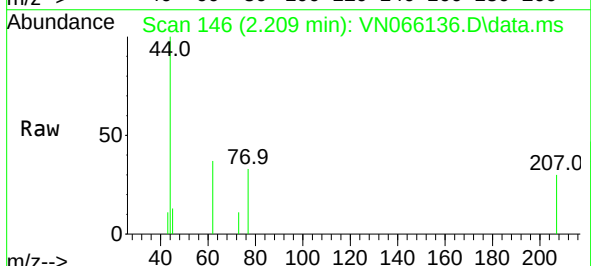
Instrument :
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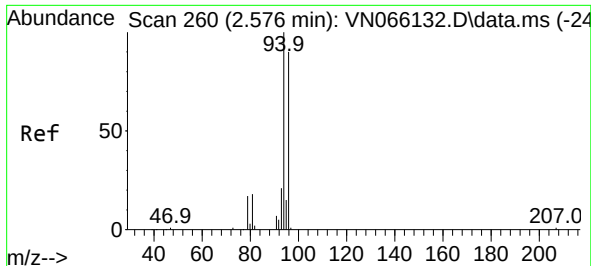
Tgt Ion: 50 Resp: 2007
Ion Ratio Lower Upper
50 100
52 35.6 26.8 40.2



#4
Vinyl Chloride
Concen: 0.36 ug/l
RT: 2.209 min Scan# 146
Delta R.T. 0.003 min
Lab File: VN066136.D
Acq: 5 Mar 2021 15:35

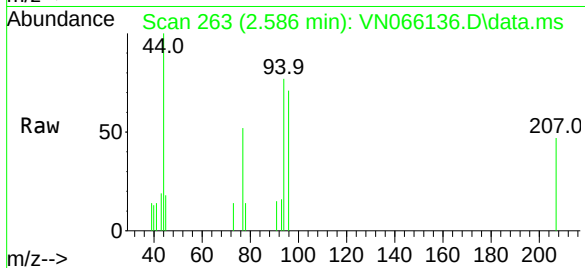
Tgt Ion: 62 Resp: 1018
Ion Ratio Lower Upper
62 100
64 0.0 26.2 39.4#



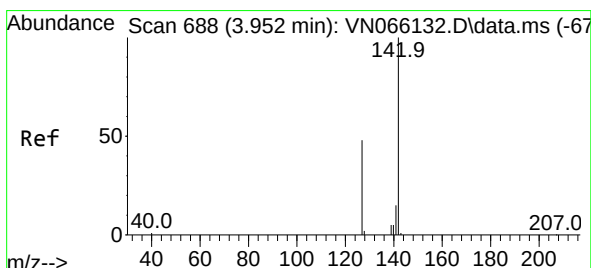
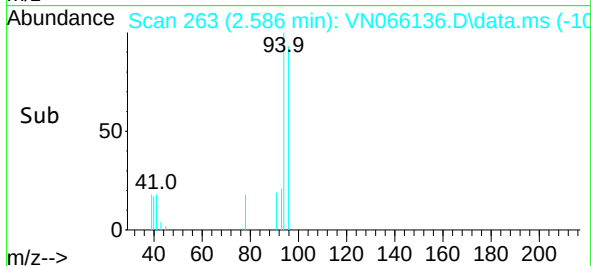
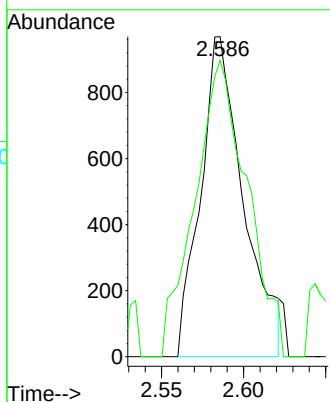


#5
Bromomethane
Concen: 0.89 ug/l
RT: 2.586 min Scan# 263
Delta R.T. 0.010 min
Lab File: VN066136.D
Acq: 5 Mar 2021 15:35

Instrument :
MSVOA_N
ClientSampled :
IBLK

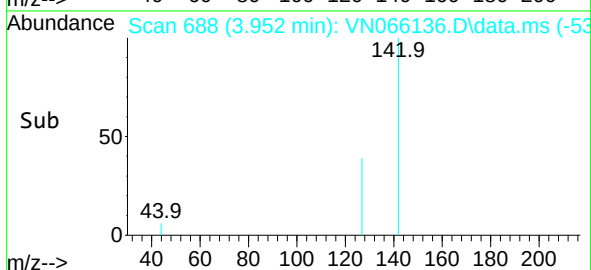
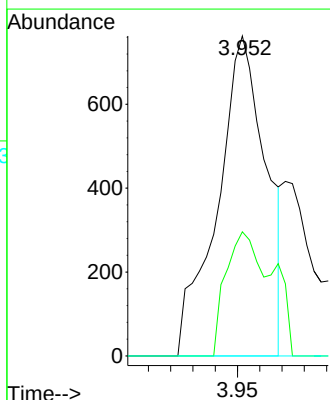
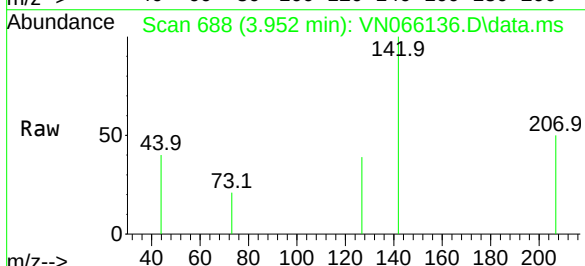


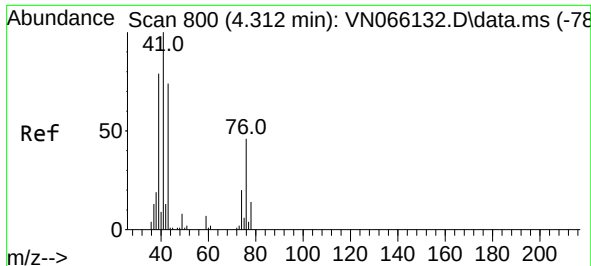
Tgt Ion: 94 Resp: 1751
Ion Ratio Lower Upper
94 100
96 75.4 74.6 111.8



#11
Methyl Iodide
Concen: 0.37 ug/l
RT: 3.952 min Scan# 688
Delta R.T. 0.000 min
Lab File: VN066136.D
Acq: 5 Mar 2021 15:35

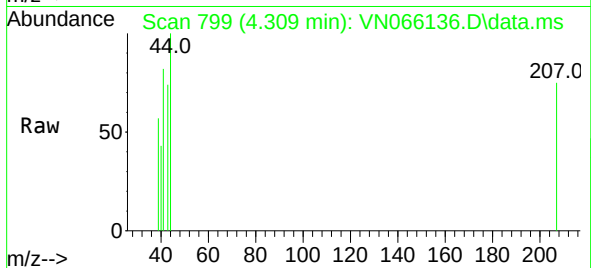
Tgt Ion: 142 Resp: 1157
Ion Ratio Lower Upper
142 100
127 33.1 19.1 57.5
141 0.0 7.0 20.9#



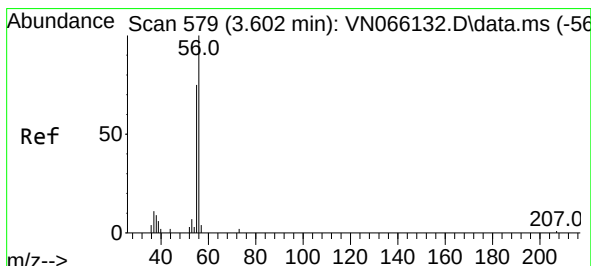
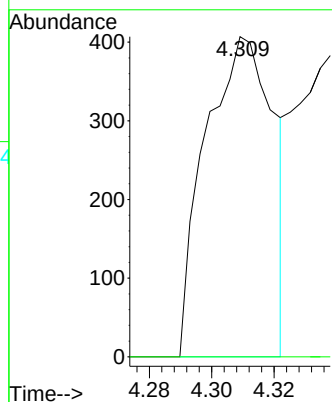
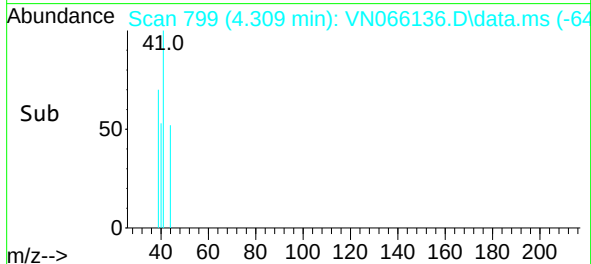


#12
Methyl Acetate
Concen: 0.28 ug/l
RT: 4.309 min Scan# 799
Delta R.T. -0.003 min
Lab File: VN066136.D
Acq: 5 Mar 2021 15:35

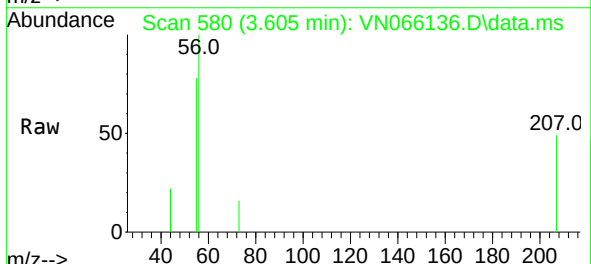
Instrument :
MSVOA_N
ClientSampled :
IBLK



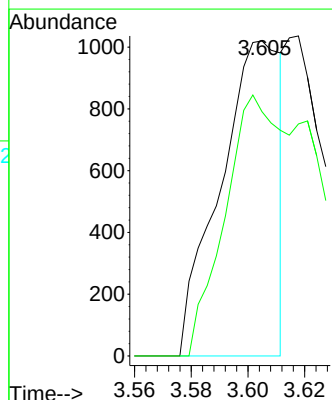
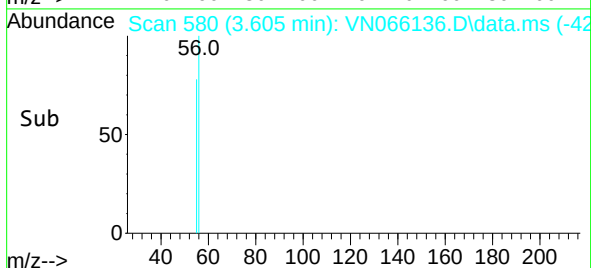
Tgt Ion: 43 Resp: 615
Ion Ratio Lower Upper
43 100
74 0.0 19.9 29.9#

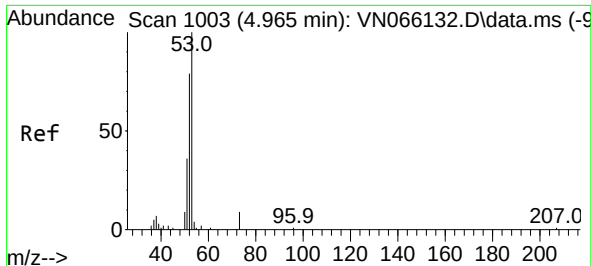


#13
Acrolein
Concen: 3.94 ug/l
RT: 3.605 min Scan# 580
Delta R.T. 0.003 min
Lab File: VN066136.D
Acq: 5 Mar 2021 15:35



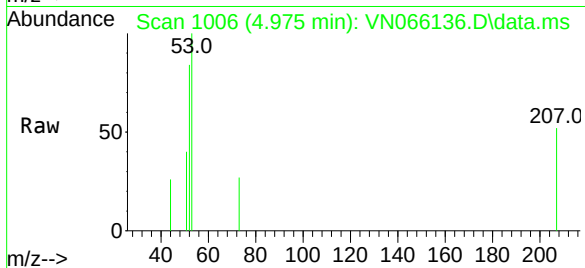
Tgt Ion: 56 Resp: 1506
Ion Ratio Lower Upper
56 100
55 82.3 57.7 86.5



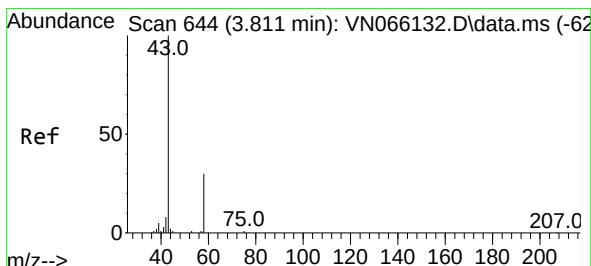
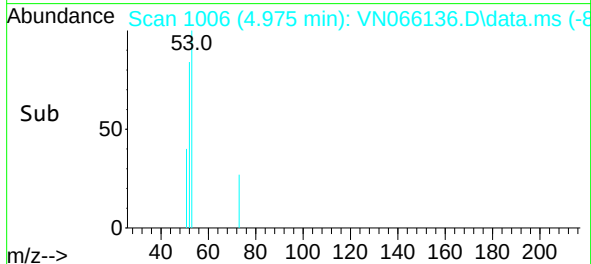
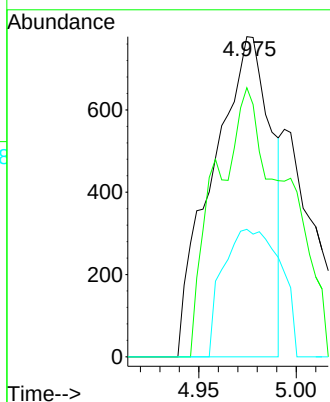


#14
Acrylonitrile
Concen: 1.53 ug/l
RT: 4.975 min Scan# 1006
Delta R.T. 0.010 min
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ClientSampled :
IBLK

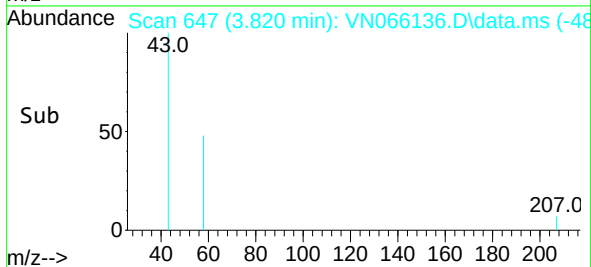
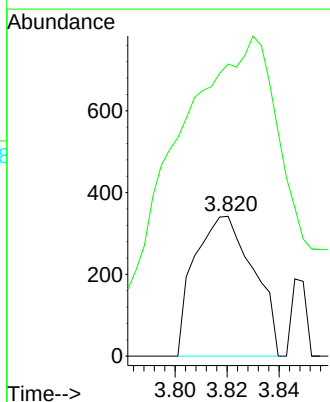
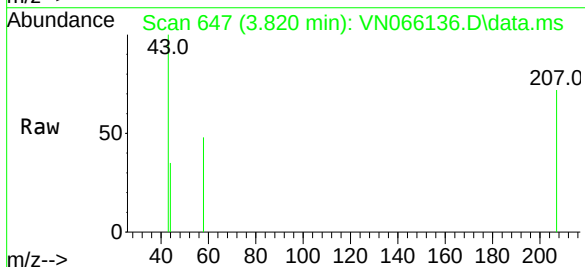


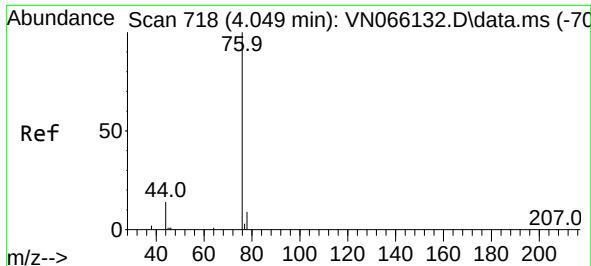
Tgt Ion: 53 Resp: 1625
Ion Ratio Lower Upper
53 100
52 16.3 40.7 122.1#
51 39.0 18.3 54.8



#15
Acetone
Concen: 1.73 ug/l
RT: 3.820 min Scan# 647
Delta R.T. 0.010 min
Lab File: VN066136.D
Acq: 5 Mar 2021 15:35

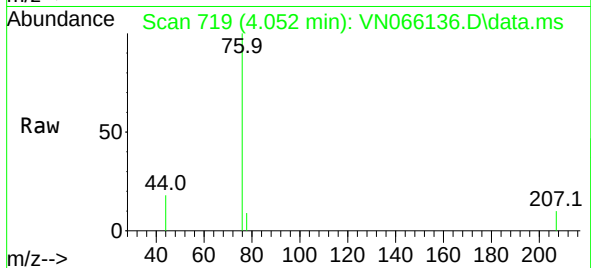
Tgt Ion: 58 Resp: 538
Ion Ratio Lower Upper
58 100
43 52.6 203.4 305.0#



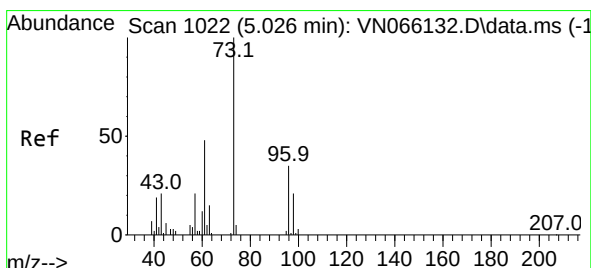
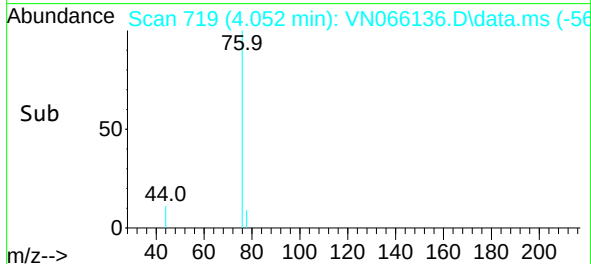
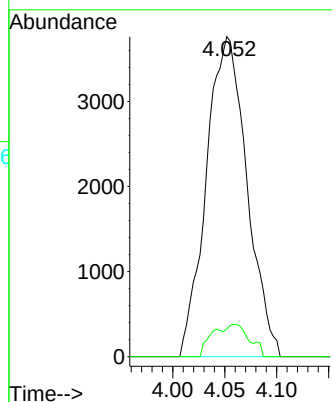


#16
Carbon Disulfide
Concen: 1.71 ug/l
RT: 4.052 min Scan# 719
Delta R.T. 0.003 min
Lab File: VN066136.D
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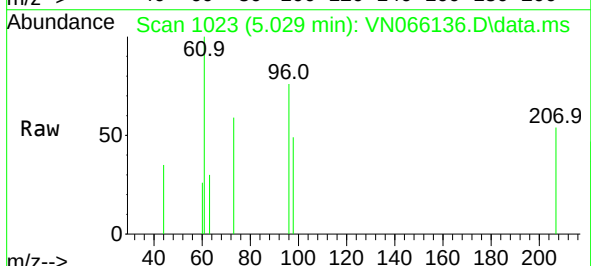
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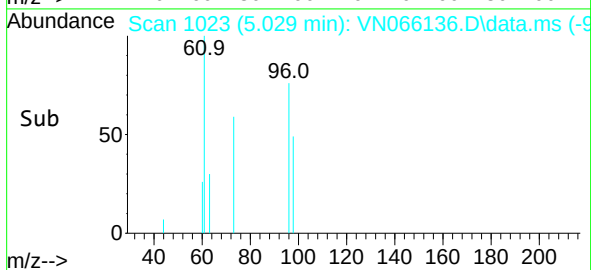
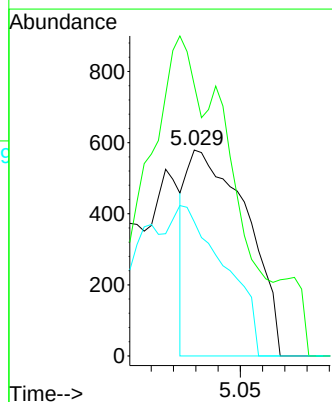
Tgt Ion: 76 Resp: 10220
Ion Ratio Lower Upper
76 100
78 8.7 7.8 11.8

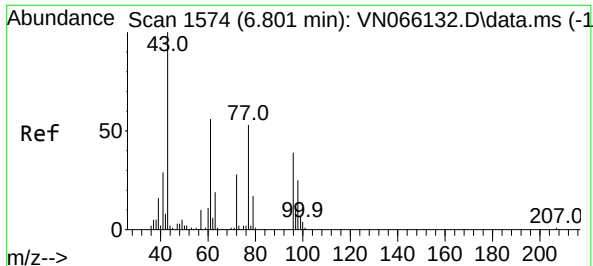


#19
trans-1,2-Dichloroethene
Concen: 0.47 ug/l
RT: 5.029 min Scan# 1023
Delta R.T. 0.003 min
Lab File: VN066136.D
Acq: 5 Mar 2021 15:35



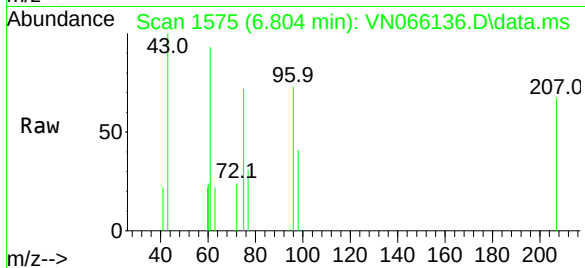
Tgt Ion: 96 Resp: 1093
Ion Ratio Lower Upper
96 100
61 94.6 106.2 159.2#
98 65.1 52.4 78.6



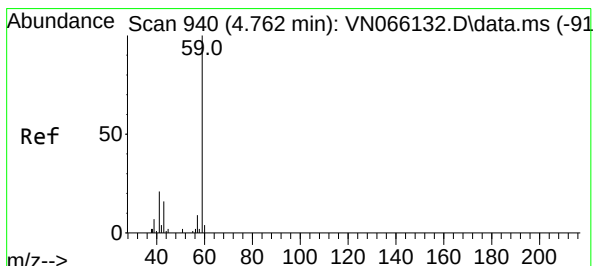
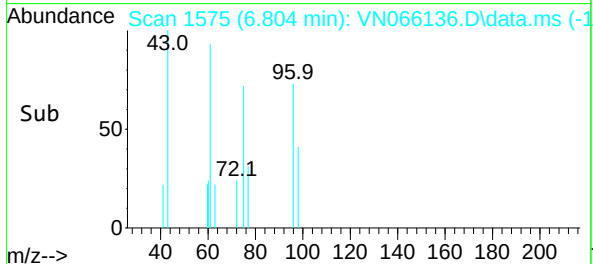
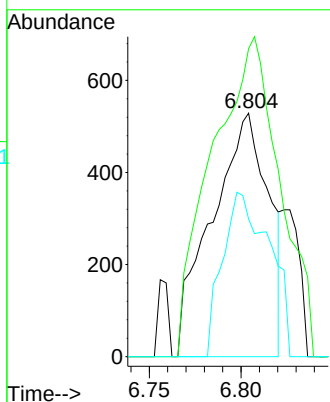


#22
 cis-1,2-Dichloroethene
 Concen: 0.40 ug/l
 RT: 6.804 min Scan# 1575
 Delta R.T. 0.003 min
 Lab File: VN066136.D
 Acq: 5 Mar 2021 15:35

Instrument :
 MSVOA_N
 ClientSampleId :
 IBLK

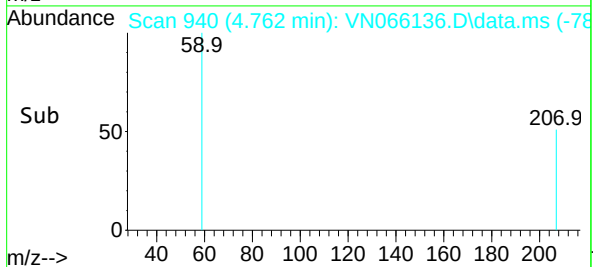
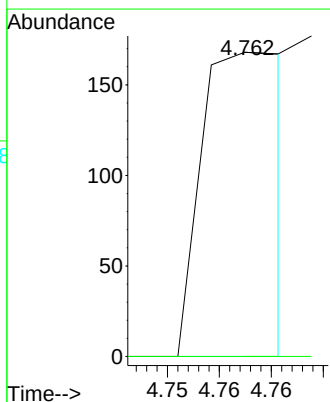
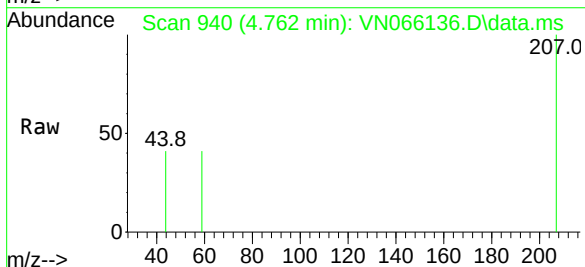


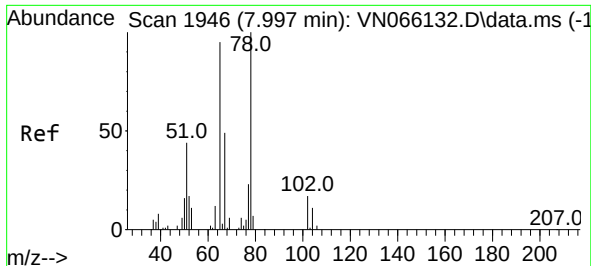
Tgt Ion: 96 Resp: 1136
 Ion Ratio Lower Upper
 96 100
 61 157.8 112.5 168.7
 98 36.2 52.2 78.2#



#23
 tert-Butyl Alcohol
 Concen: 0.20 ug/l
 RT: 4.762 min Scan# 940
 Delta R.T. 0.000 min
 Lab File: VN066136.D
 Acq: 5 Mar 2021 15:35

Tgt Ion: 59 Resp: 96
 Ion Ratio Lower Upper
 59 100
 52 457.3 0.0 0.0#





#27

1,2-Dichloroethane-d4

Concen: 29.60 ug/l

RT: 7.997 min Scan# 1946

Delta R.T. 0.000 min

Lab File: VN066136.D

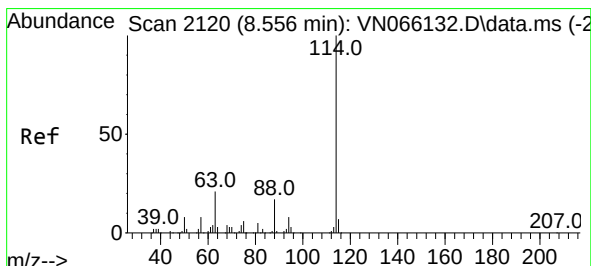
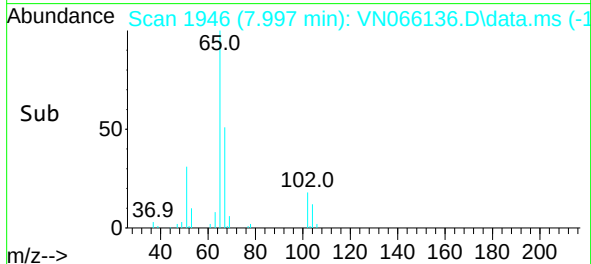
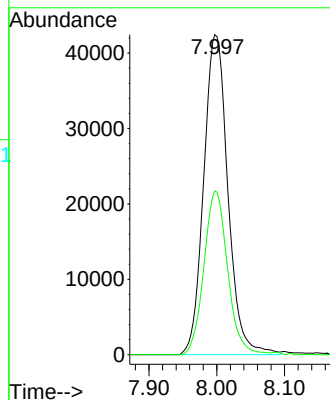
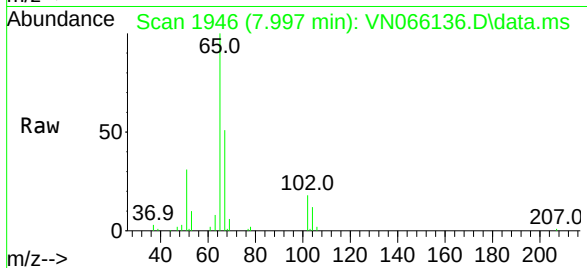
Acq: 5 Mar 2021 15:35

Tgt Ion: 65 Resp: 105394

Ion Ratio Lower Upper

65 100

67 50.0 42.8 64.2



#28

1,4-Difluorobenzene

Concen: 30.00 ug/l

RT: 8.556 min Scan# 2120

Delta R.T. 0.000 min

Lab File: VN066136.D

Acq: 5 Mar 2021 15:35

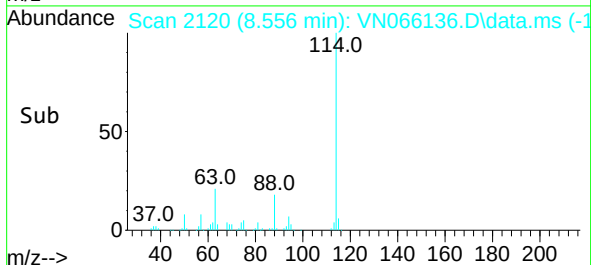
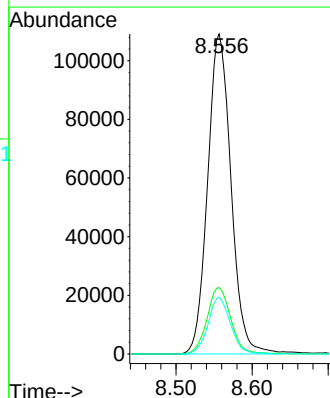
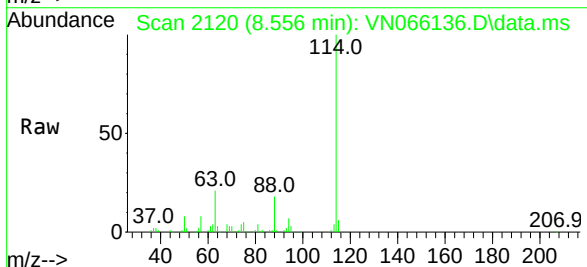
Tgt Ion: 114 Resp: 232829

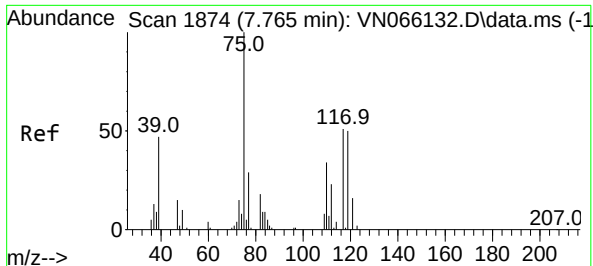
Ion Ratio Lower Upper

114 100

63 20.9 14.7 22.1

88 17.0 11.7 17.5





#29

1,1-Dichloropropene

Concen: 0.33 ug/l

RT: 7.766 min Scan# 1874

Delta R.T. 0.000 min

Lab File: VN066136.D

Acq: 5 Mar 2021 15:35

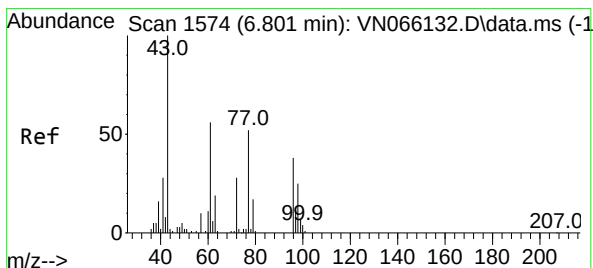
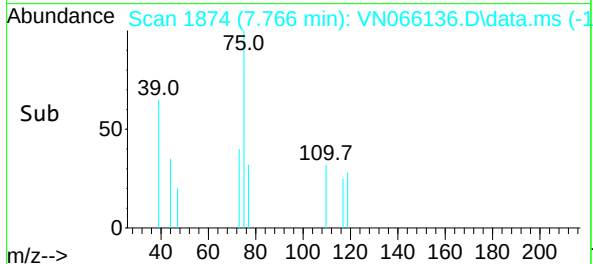
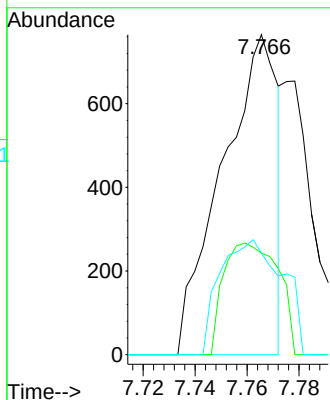
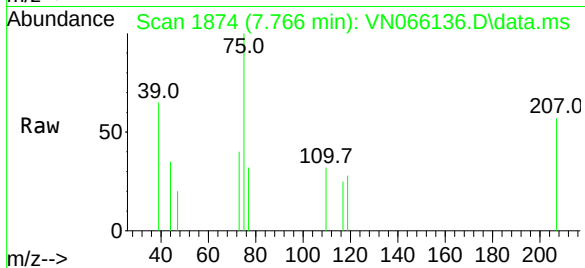
Tgt Ion: 75 Resp: 1127

Ion Ratio Lower Upper

75 100

110 34.7 0.0 74.2

77 34.3 0.0 61.0



#30

2-Butanone

Concen: 0.90 ug/l

RT: 6.804 min Scan# 1575

Delta R.T. 0.003 min

Lab File: VN066136.D

Acq: 5 Mar 2021 15:35

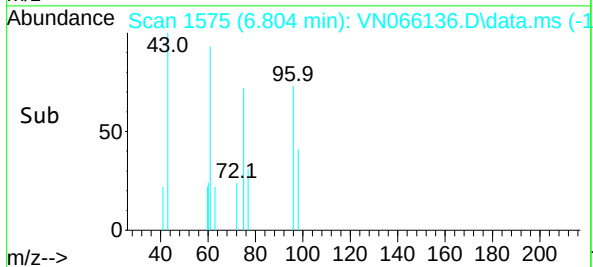
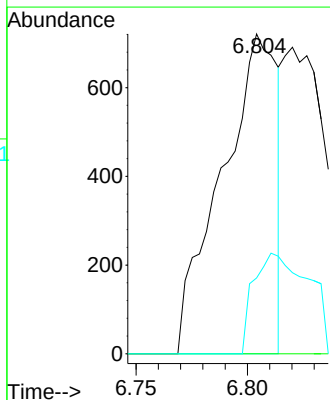
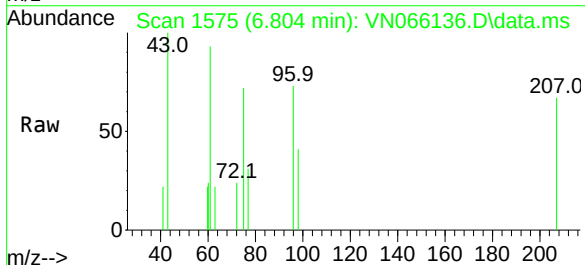
Tgt Ion: 43 Resp: 1248

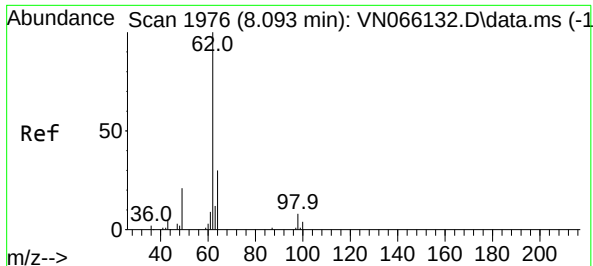
Ion Ratio Lower Upper

43 100

57 0.0 7.0 10.4#

72 28.8 23.6 35.4

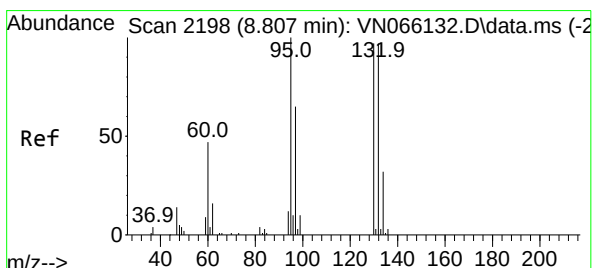
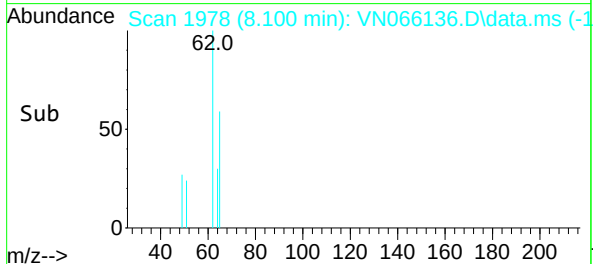
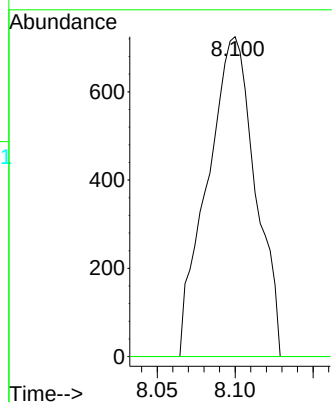
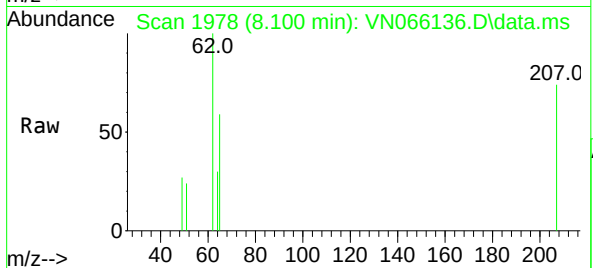




#36
1,2-Dichloroethane
Concen: 0.37 ug/l
RT: 8.100 min Scan# 1978
Delta R.T. 0.007 min
Lab File: VN066136.D
Acq: 5 Mar 2021 15:35

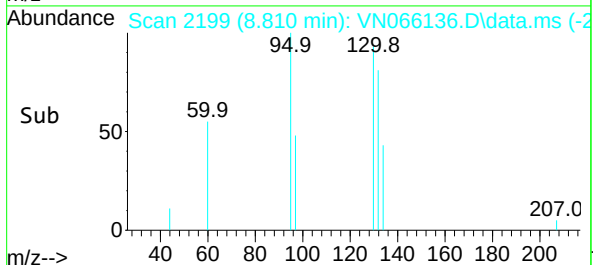
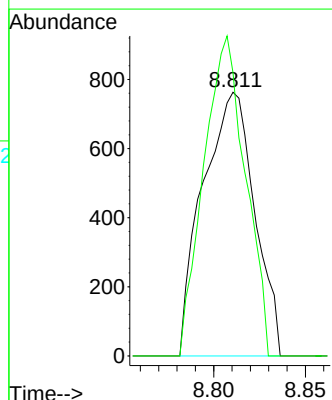
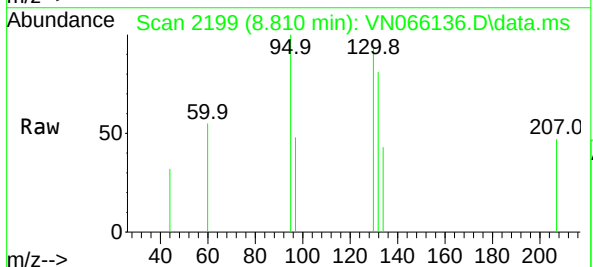
Instrument :
MSVOA_N
ClientSampled :
IBLK

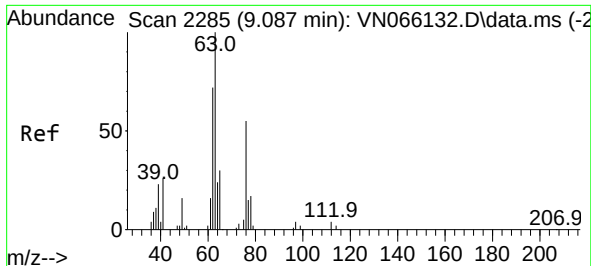
Tgt Ion: 62 Resp: 1554
Ion Ratio Lower Upper
62 100
98 0.0 7.4 11.2#



#37
Trichloroethene
Concen: 0.53 ug/l
RT: 8.810 min Scan# 2199
Delta R.T. 0.003 min
Lab File: VN066136.D
Acq: 5 Mar 2021 15:35

Tgt Ion:130 Resp: 1496
Ion Ratio Lower Upper
130 100
95 107.5 74.0 111.0





#39

1,2-Dichloropropane

Concen: 0.24 ug/l

RT: 9.087 min Scan# 2285

Delta R.T. 0.000 min

Lab File: VN066136.D

Acq: 5 Mar 2021 15:35

Instrument :

MSVOA_N

ClientSampled :

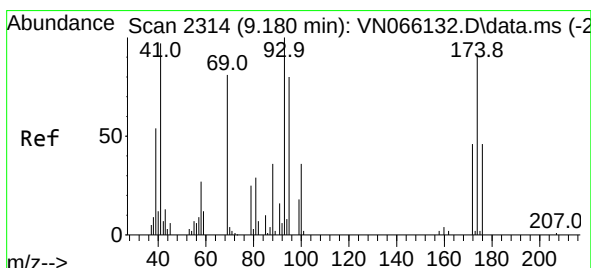
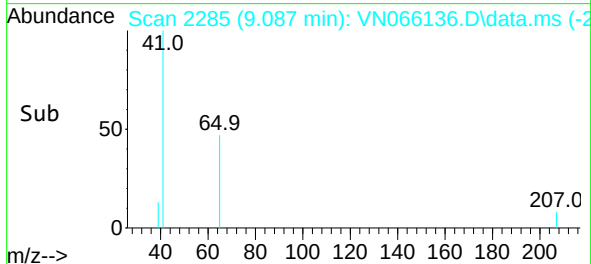
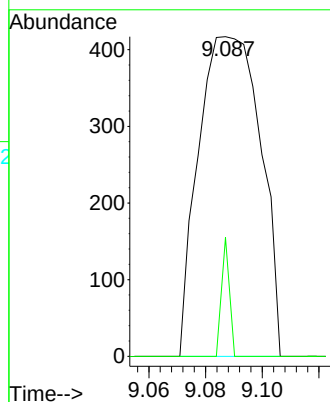
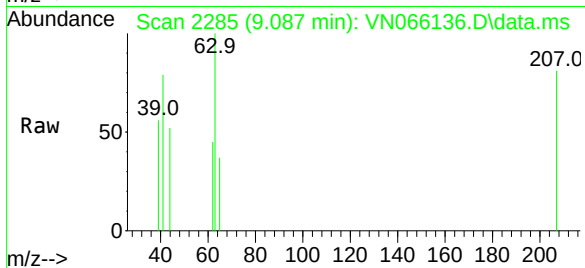
IBLK

Tgt Ion: 63 Resp: 632

Ion Ratio Lower Upper

63 100

65 37.2 24.1 36.1#



#40

Dibromomethane

Concen: 0.29 ug/l

RT: 9.187 min Scan# 2316

Delta R.T. 0.006 min

Lab File: VN066136.D

Acq: 5 Mar 2021 15:35

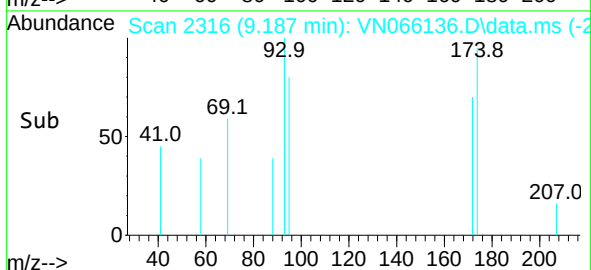
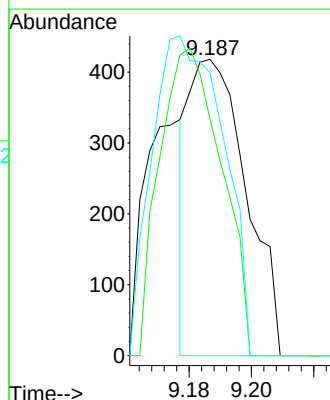
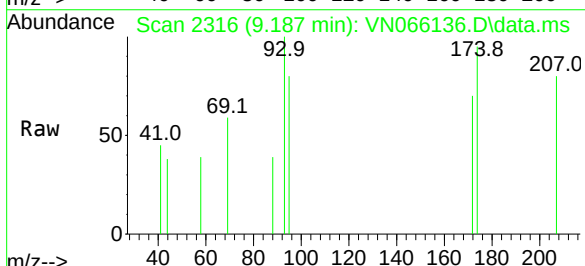
Tgt Ion: 93 Resp: 533

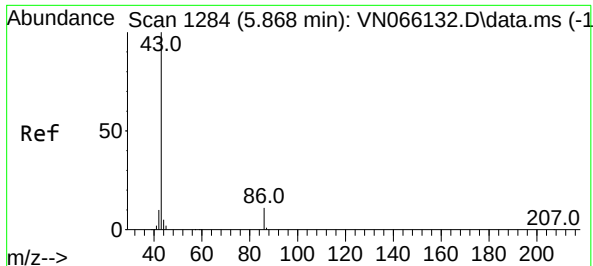
Ion Ratio Lower Upper

93 100

95 112.2 0.0 168.6

174 134.5 0.0 246.4





#42

Vinyl Acetate

Concen: 1.21 ug/l

RT: 5.878 min Scan# 1287

Delta R.T. 0.010 min

Lab File: VN066136.D

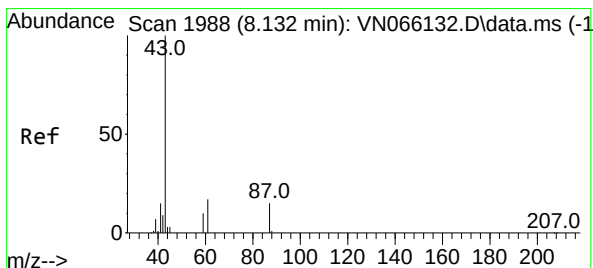
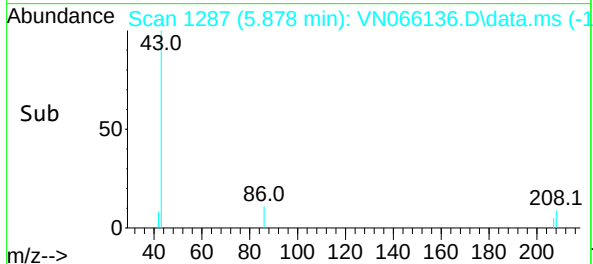
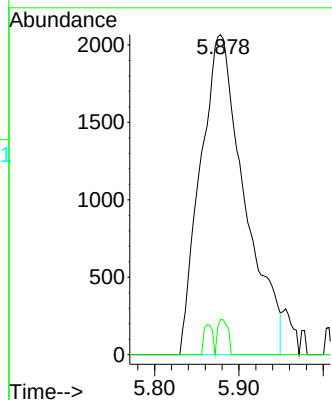
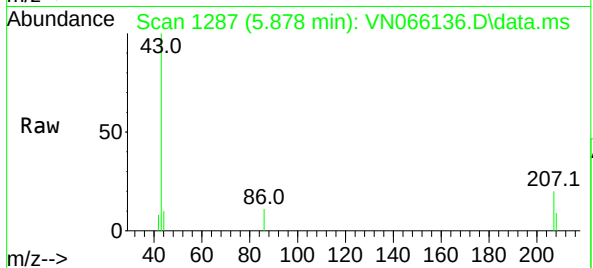
Acq: 5 Mar 2021 15:35

Tgt Ion: 43 Resp: 7485

Ion Ratio Lower Upper

43 100

86 2.6 7.9 11.9#



#44

Isopropyl Acetate

Concen: 0.26 ug/l

RT: 8.132 min Scan# 1988

Delta R.T. 0.000 min

Lab File: VN066136.D

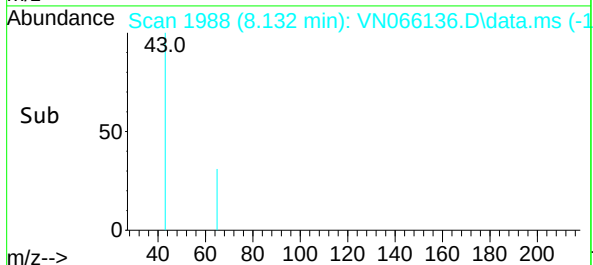
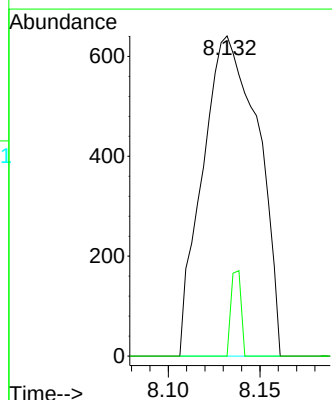
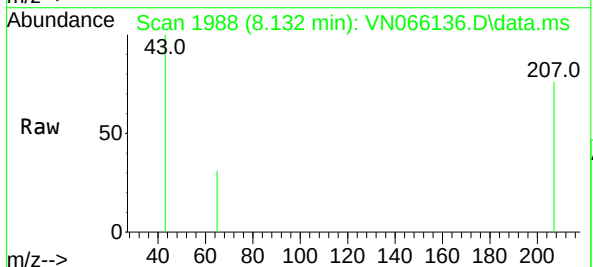
Acq: 5 Mar 2021 15:35

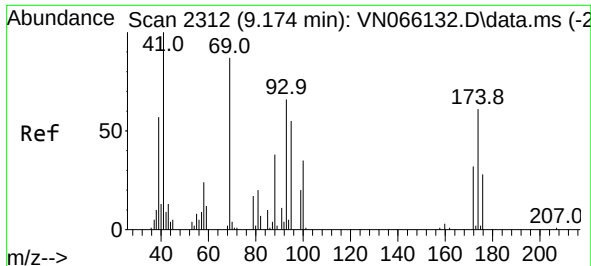
Tgt Ion: 43 Resp: 1350

Ion Ratio Lower Upper

43 100

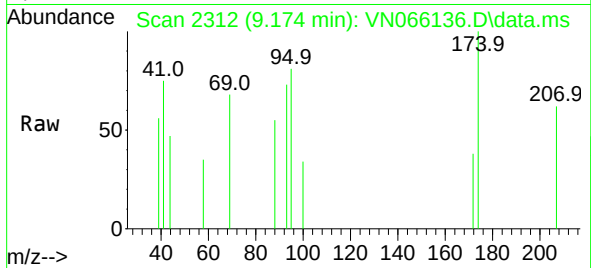
61 4.8 16.8 25.2#





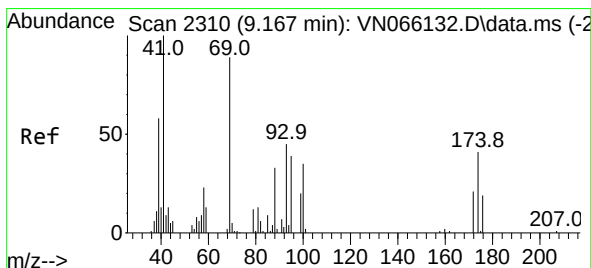
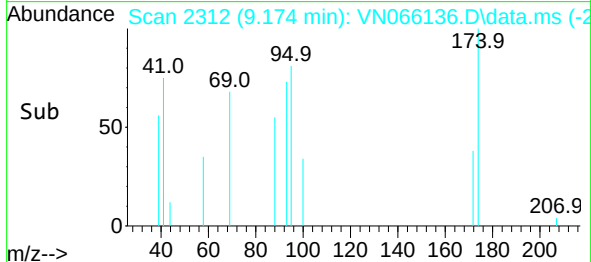
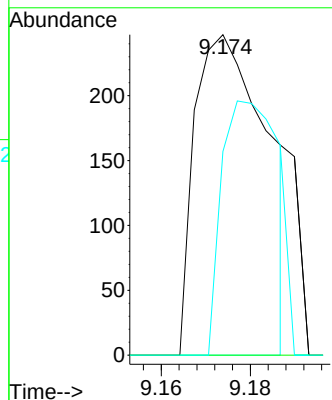
#45
1,4-Dioxane
Concen: 5.97 ug/l
RT: 9.174 min Scan# 2312
Delta R.T. 0.000 min
Lab File: VN066136.D
Acq: 5 Mar 2021 15:35

Instrument :
MSVOA_N
ClientSampled :
IBLK



Tgt Ion: 88 Resp: 275

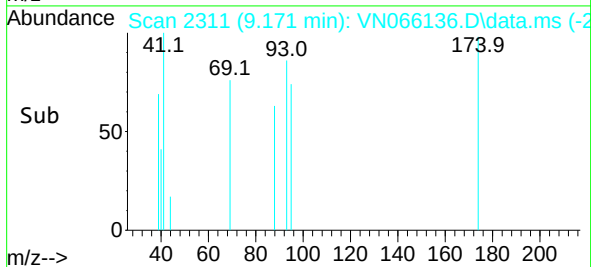
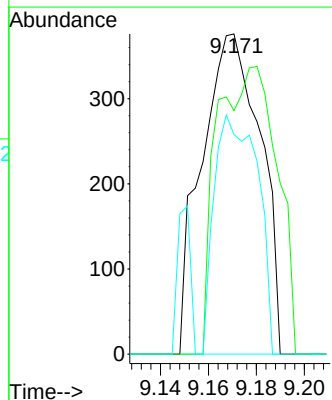
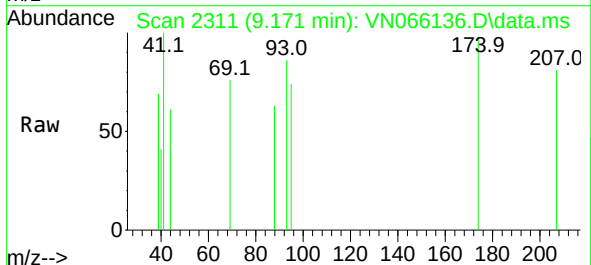
Ion	Ratio	Lower	Upper
88	100		
43	451.6	28.3	42.5#
58	62.5	53.8	80.6

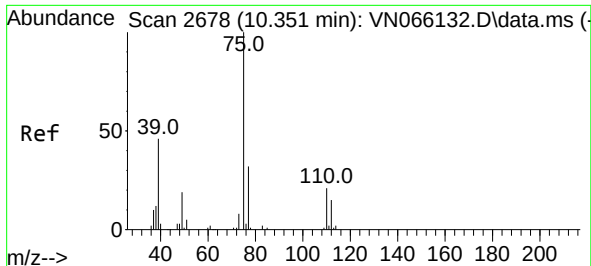


#46
Methyl methacrylate
Concen: 0.26 ug/l
RT: 9.171 min Scan# 2311
Delta R.T. 0.003 min
Lab File: VN066136.D
Acq: 5 Mar 2021 15:35

Tgt Ion: 41 Resp: 639

Ion	Ratio	Lower	Upper
41	100		
69	76.1	46.3	138.8
39	68.6	26.8	80.3

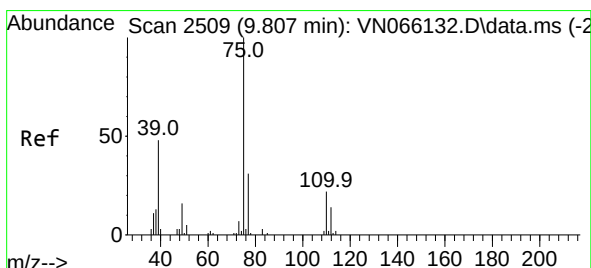
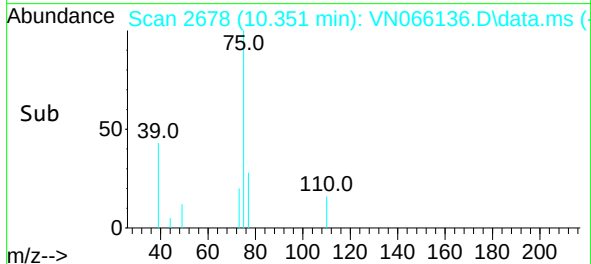
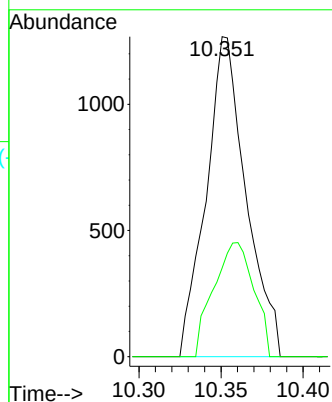
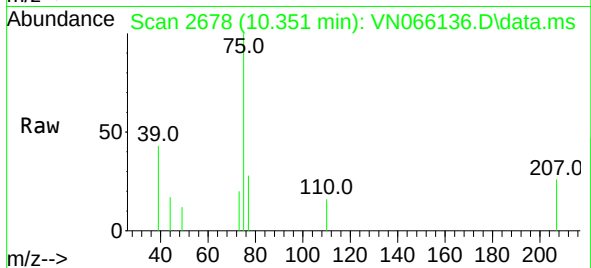




#48
t-1,3-Dichloropropene
Concen: 0.46 ug/l
RT: 10.351 min Scan# 2678
Delta R.T. 0.000 min
Lab File: VN066136.D
Acq: 5 Mar 2021 15:35

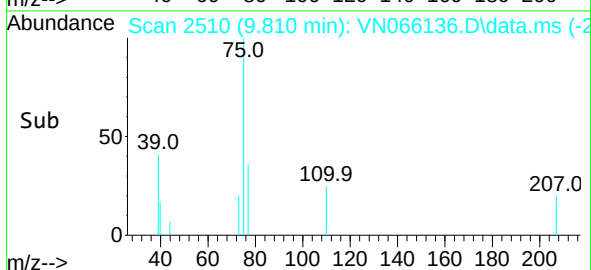
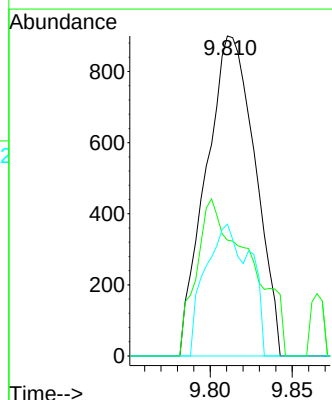
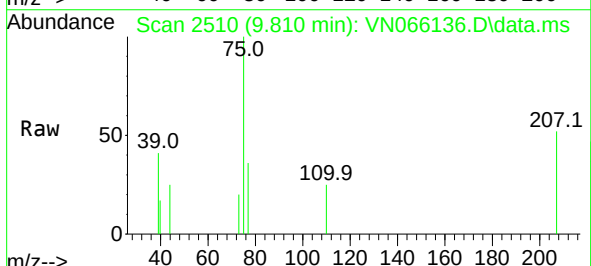
Instrument :
MSVOA_N
ClientSampled :
IBLK

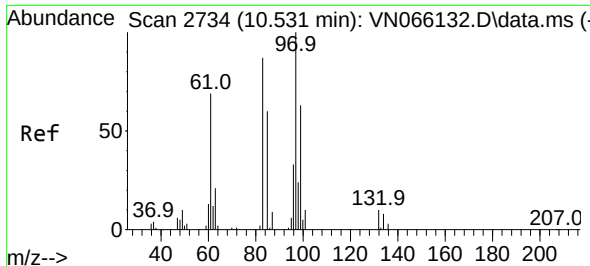
Tgt Ion: 75 Resp: 2144
Ion Ratio Lower Upper
75 100
77 27.7 26.5 39.7



#49
cis-1,3-Dichloropropene
Concen: 0.39 ug/l
RT: 9.810 min Scan# 2510
Delta R.T. 0.003 min
Lab File: VN066136.D
Acq: 5 Mar 2021 15:35

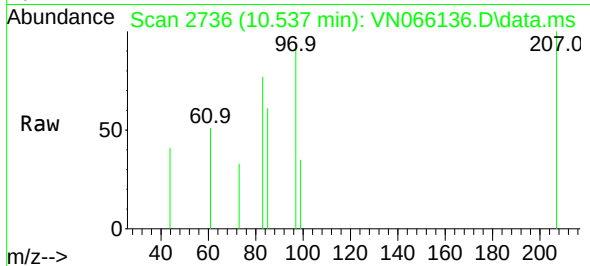
Tgt Ion: 75 Resp: 1870
Ion Ratio Lower Upper
75 100
77 36.2 24.8 37.2
39 41.2 34.4 51.6





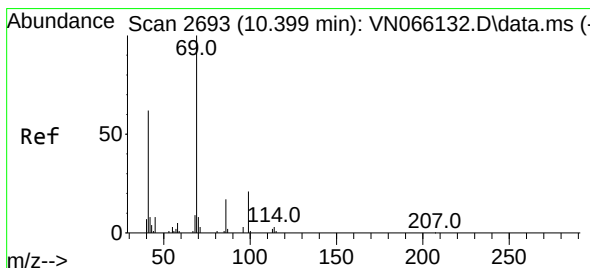
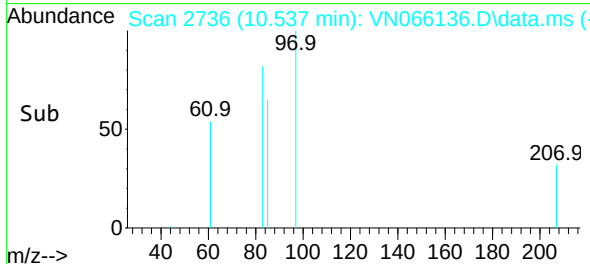
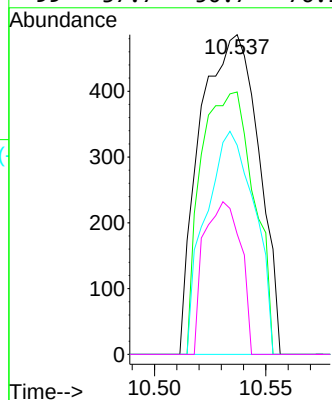
#50
1,1,2-Trichloroethane
Concen: 0.35 ug/l
RT: 10.537 min Scan# 2736
Delta R.T. 0.006 min
Lab File: VN066136.D
Acq: 5 Mar 2021 15:35

Instrument :
MSVOA_N
ClientSampled :
IBLK

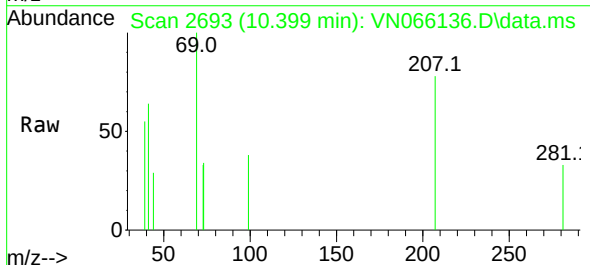


Tgt Ion: 97 Resp: 890

Ion	Ratio	Lower	Upper
97	100		
83	82.1	68.4	102.6
85	65.4	42.8	64.2#
99	37.7	50.7	76.1#

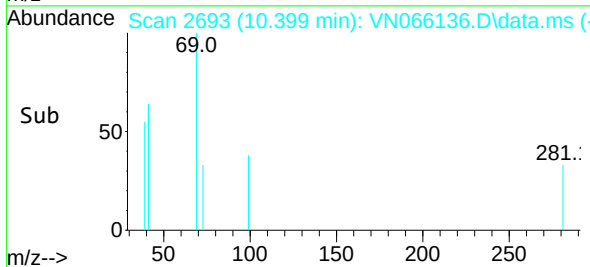
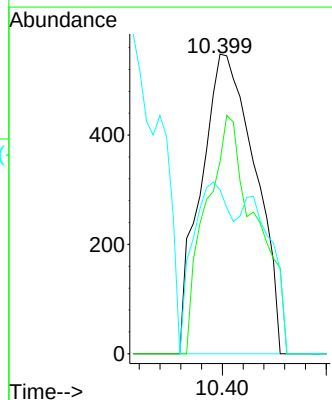


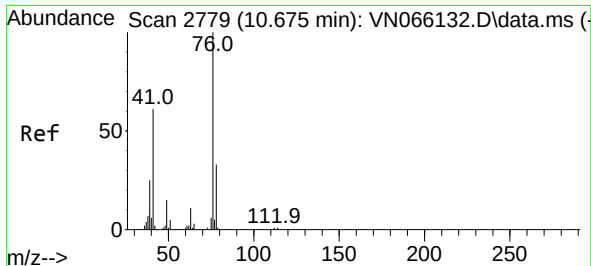
#51
Ethyl methacrylate
Concen: 0.26 ug/l
RT: 10.399 min Scan# 2693
Delta R.T. 0.000 min
Lab File: VN066136.D
Acq: 5 Mar 2021 15:35



Tgt Ion: 69 Resp: 991

Ion	Ratio	Lower	Upper
69	100		
41	64.1	31.9	95.7
39	54.7	15.6	46.7#

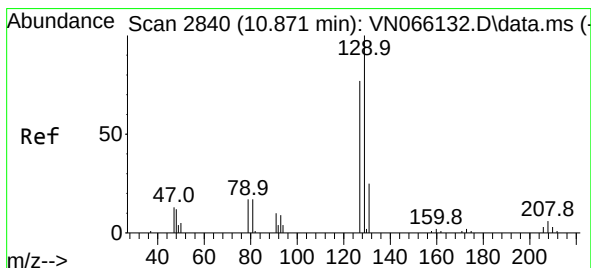
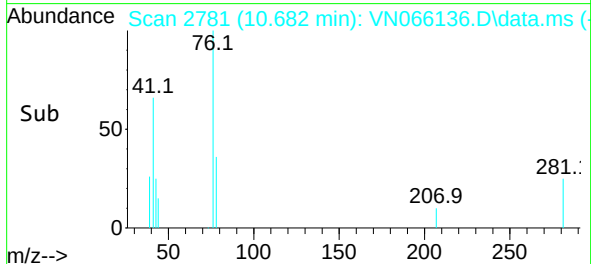
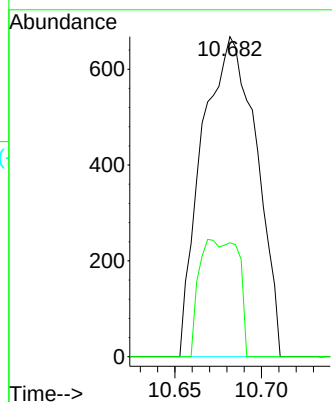
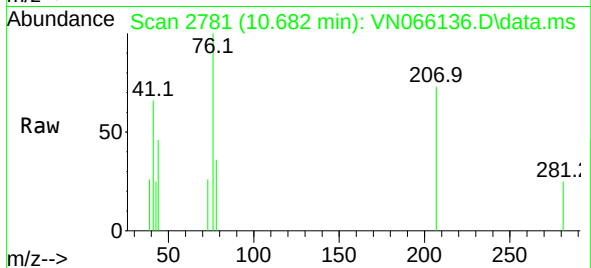




#52
1,3-Dichloropropane
Concen: 0.33 ug/l
RT: 10.682 min Scan# 2781
Delta R.T. 0.007 min
Lab File: VN066136.D
Acq: 5 Mar 2021 15:35

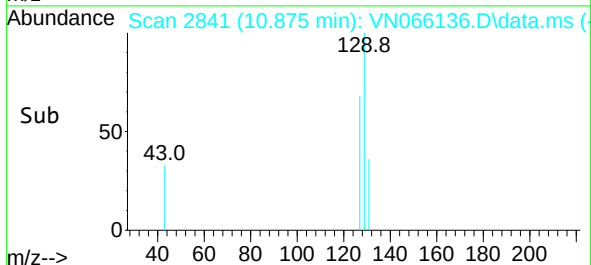
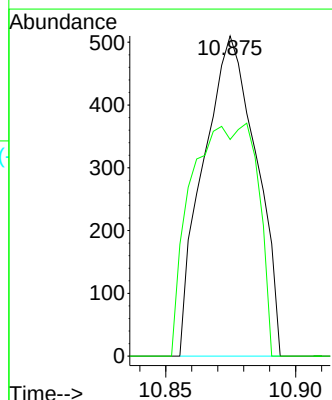
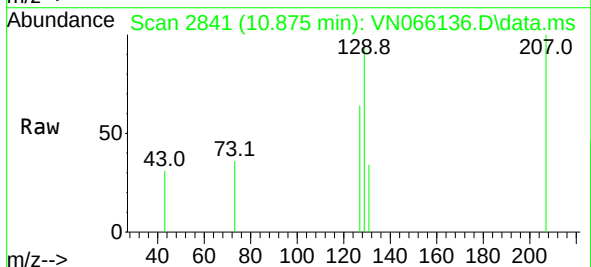
Instrument :
MSVOA_N
ClientSampled :
IBLK

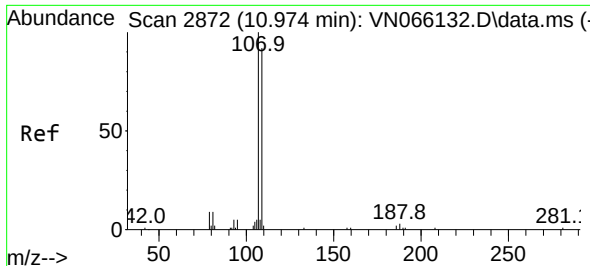
Tgt Ion: 76 Resp: 1459
Ion Ratio Lower Upper
76 100
78 14.3 0.0 64.2



#53
Dibromochloromethane
Concen: 0.23 ug/l
RT: 10.875 min Scan# 2841
Delta R.T. 0.003 min
Lab File: VN066136.D
Acq: 5 Mar 2021 15:35

Tgt Ion: 129 Resp: 723
Ion Ratio Lower Upper
129 100
127 57.4 38.9 116.6

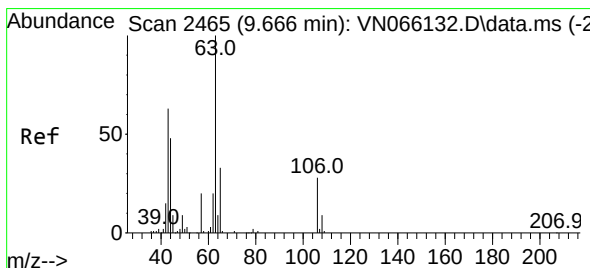
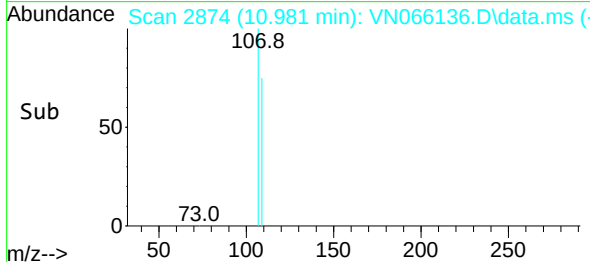
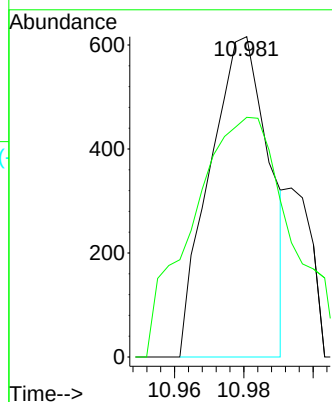
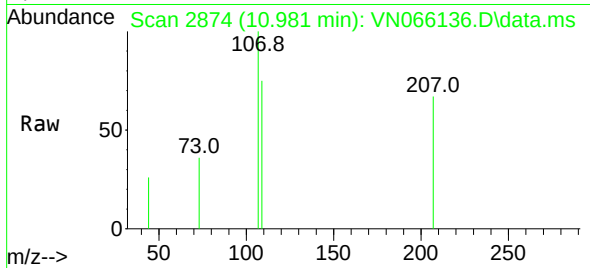




#54
1,2-Dibromoethane
Concen: 0.27 ug/l
RT: 10.981 min Scan# 2874
Delta R.T. 0.007 min
Lab File: VN066136.D
Acq: 5 Mar 2021 15:35

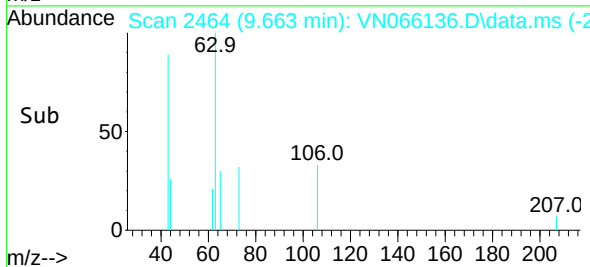
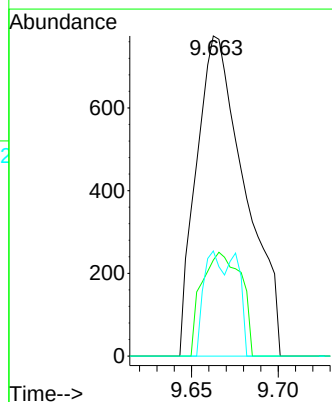
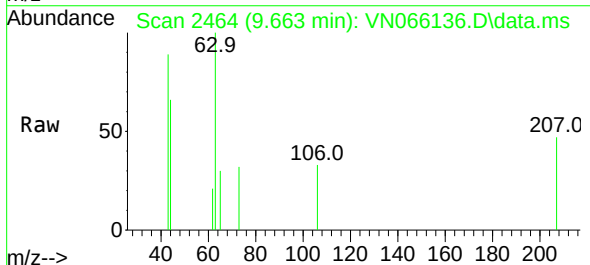
Instrument :
MSVOA_N
ClientSampled :
IBLK

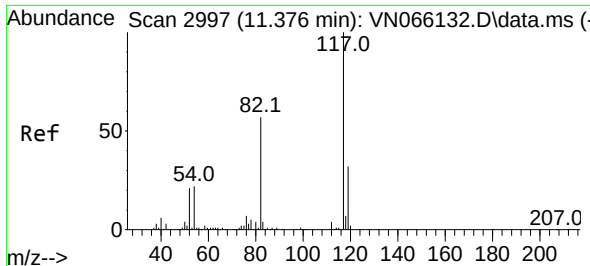
Tgt Ion:107 Resp: 732
Ion Ratio Lower Upper
107 100
109 119.1 76.6 115.0#



#55
2-Chloroethyl vinyl ether
Concen: 1.12 ug/l
RT: 9.663 min Scan# 2464
Delta R.T. -0.003 min
Lab File: VN066136.D
Acq: 5 Mar 2021 15:35

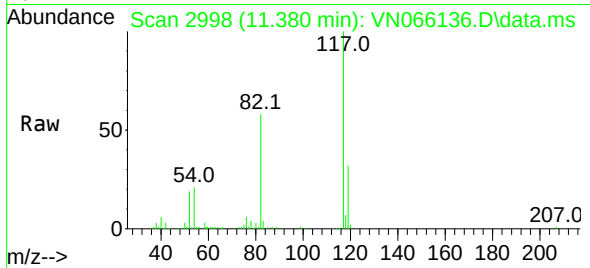
Tgt Ion: 63 Resp: 1511
Ion Ratio Lower Upper
63 100
65 26.1 25.7 38.5
106 13.5 23.1 34.7#



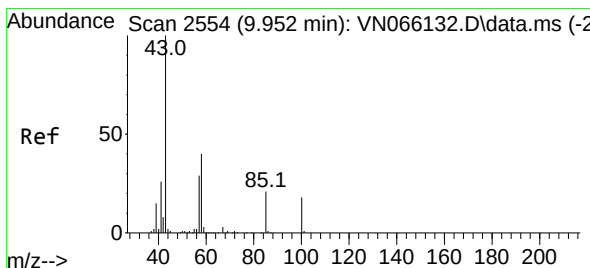
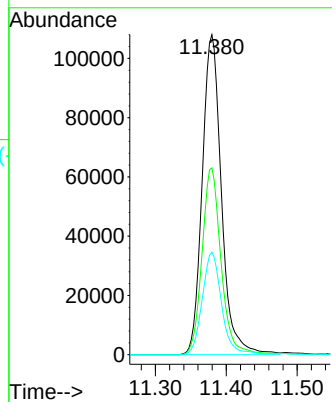
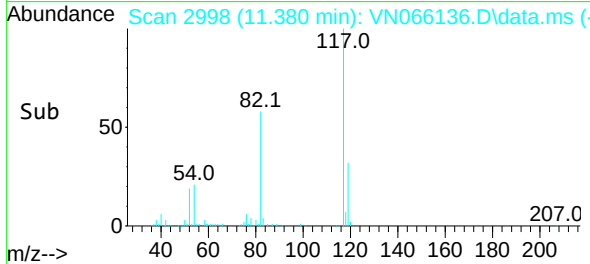


#57
Chlorobenzene-d5
Concen: 30.00 ug/l
RT: 11.380 min Scan# 2998
Delta R.T. 0.003 min
Lab File: VN066136.D
Acq: 5 Mar 2021 15:35

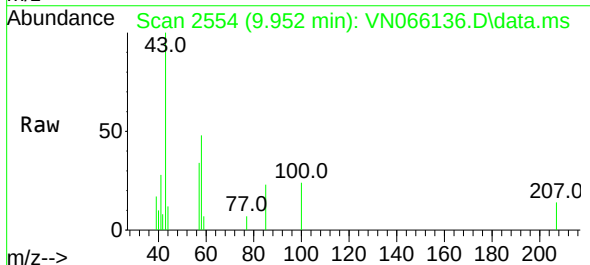
Instrument :
MSVOA_N
ClientSampled :
IBLK



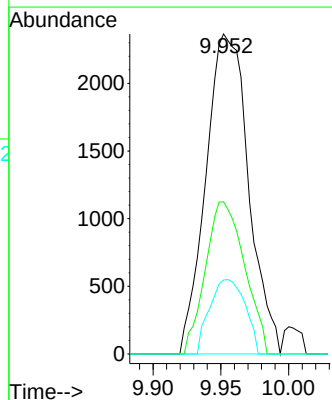
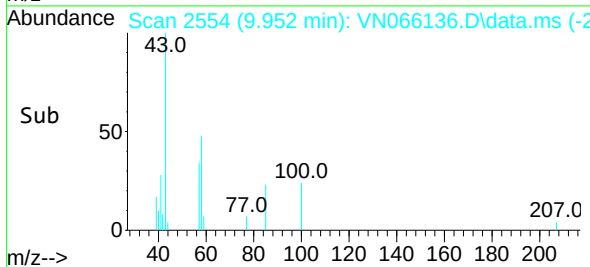
Tgt Ion: 117 Resp: 203653
Ion Ratio Lower Upper
117 100
82 57.6 41.3 61.9
119 32.0 25.7 38.5

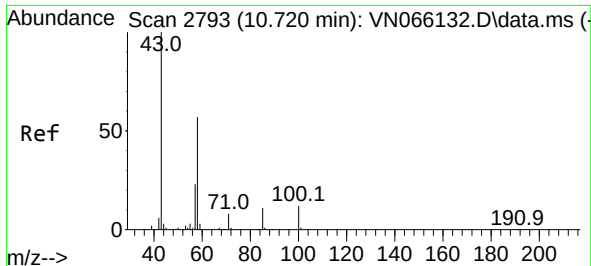


#58
4-Methyl-2-Pentanone
Concen: 1.92 ug/l
RT: 9.952 min Scan# 2554
Delta R.T. 0.000 min
Lab File: VN066136.D
Acq: 5 Mar 2021 15:35



Tgt Ion: 43 Resp: 5185
Ion Ratio Lower Upper
43 100
58 43.5 32.7 49.1
85 19.2 16.0 24.0

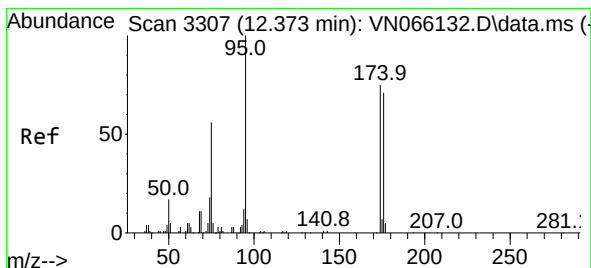
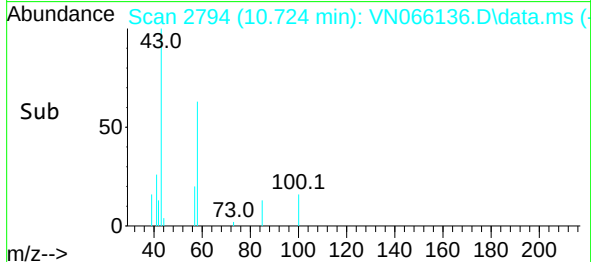
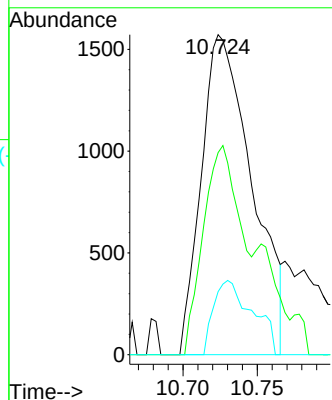
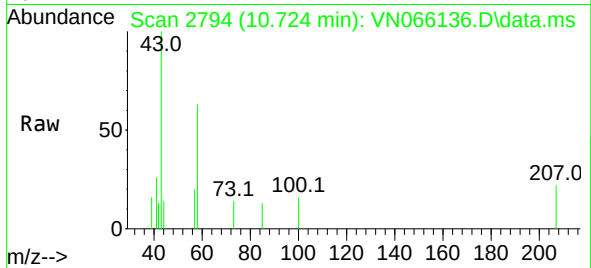




#59
2-Hexanone
Concen: 1.99 ug/l
RT: 10.724 min Scan# 2794
Delta R.T. 0.003 min
Lab File: VN066136.D
Acq: 5 Mar 2021 15:35

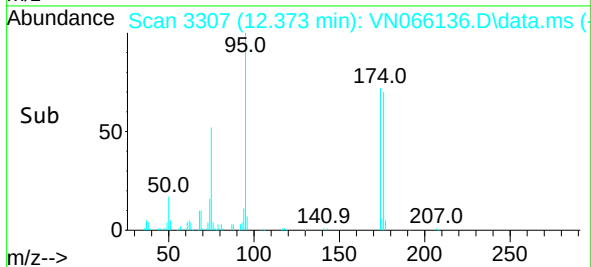
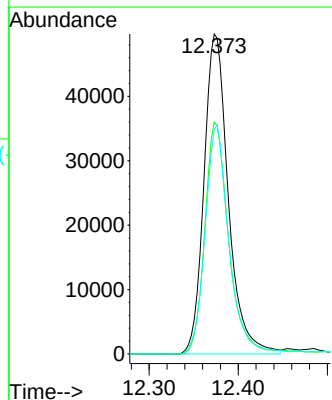
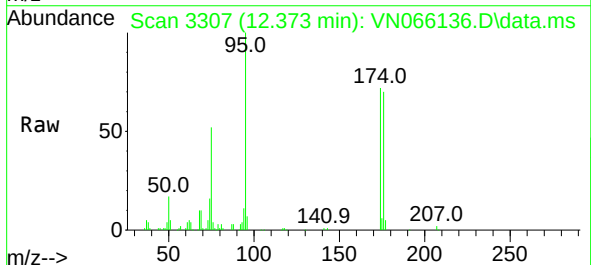
Instrument :
MSVOA_N
ClientSampleId :
IBLK

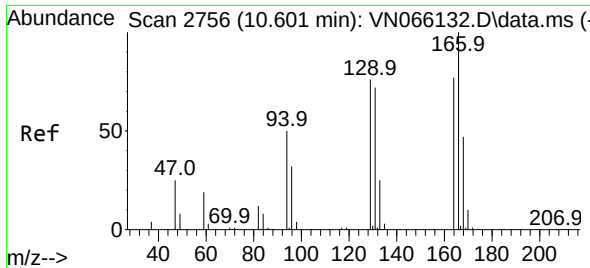
Tgt Ion: 43 Resp: 3729
Ion Ratio Lower Upper
43 100
58 48.6 45.4 68.0
57 12.9 15.8 23.8#



#60
4-Bromofluorobenzene
Concen: 26.75 ug/l
RT: 12.373 min Scan# 3307
Delta R.T. 0.000 min
Lab File: VN066136.D
Acq: 5 Mar 2021 15:35

Tgt Ion: 95 Resp: 94341
Ion Ratio Lower Upper
95 100
174 70.4 77.0 115.6#
176 70.1 75.8 113.6#

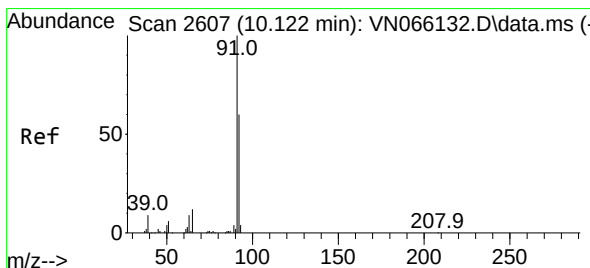
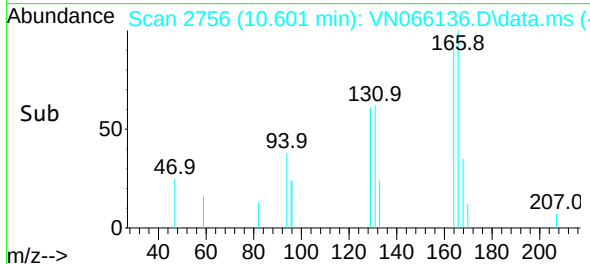
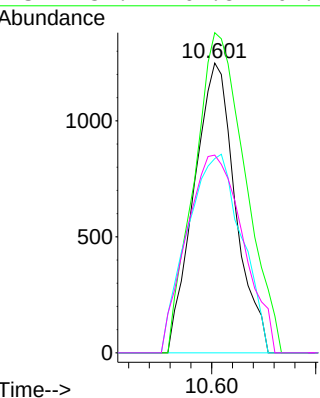
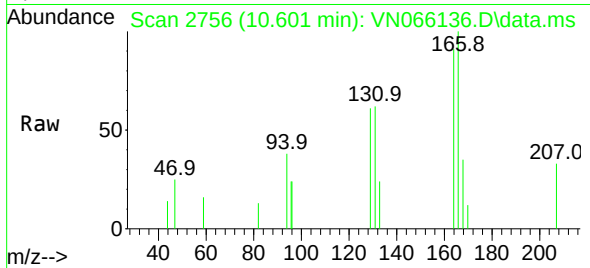




#61
Tetrachloroethene
Concen: 0.66 ug/l
RT: 10.601 min Scan# 2756
Delta R.T. 0.000 min
Lab File: VN066136.D
Acq: 5 Mar 2021 15:35

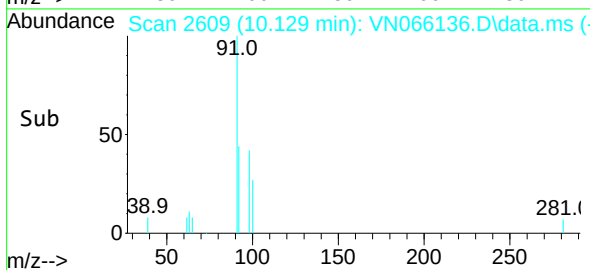
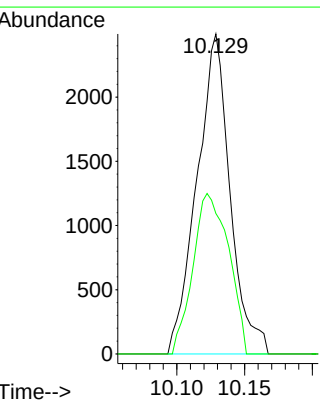
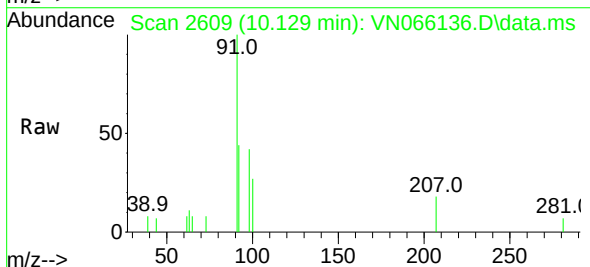
Instrument :
MSVOA_N
ClientSampled :
IBLK

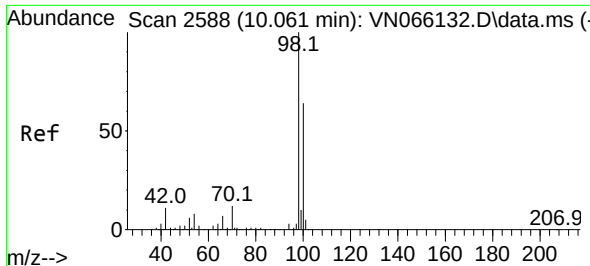
Tgt Ion:164 Resp: 1726
Ion Ratio Lower Upper
164 100
166 110.5 101.2 151.8
129 67.0 69.7 104.5#
131 54.7 67.8 101.8#



#62
Toluene
Concen: 0.40 ug/l
RT: 10.129 min Scan# 2609
Delta R.T. 0.007 min
Lab File: VN066136.D
Acq: 5 Mar 2021 15:35

Tgt Ion: 91 Resp: 4240
Ion Ratio Lower Upper
91 100
92 54.0 46.2 69.4

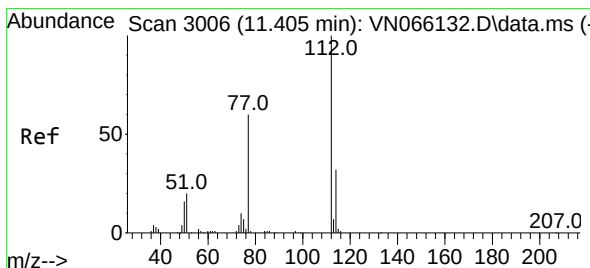
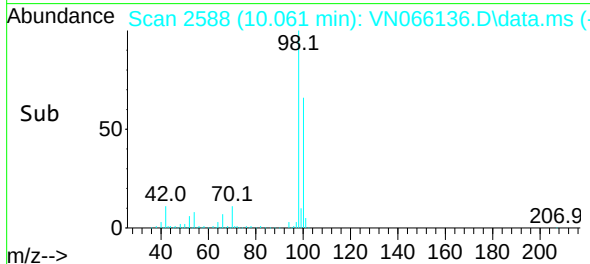
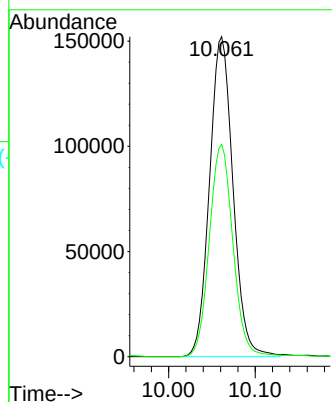
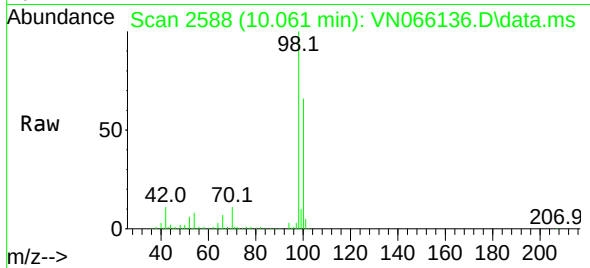




#63
Toluene-d8
Concen: 31.21 ug/l
RT: 10.061 min Scan# 2588
Delta R.T. 0.000 min
Lab File: VN066136.D
Acq: 5 Mar 2021 15:35

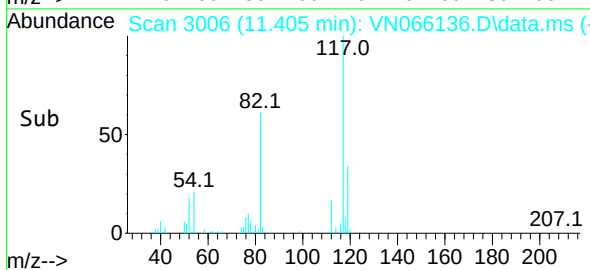
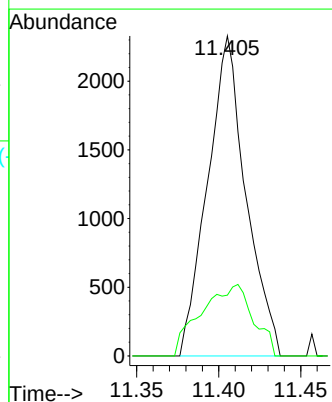
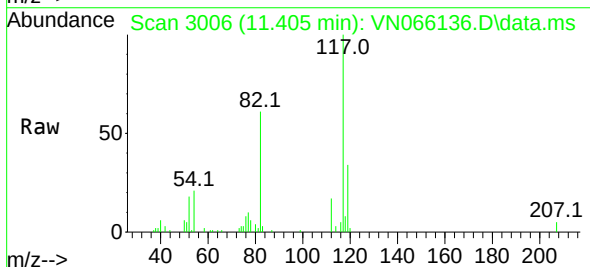
Instrument :
MSVOA_N
ClientSampled :
IBLK

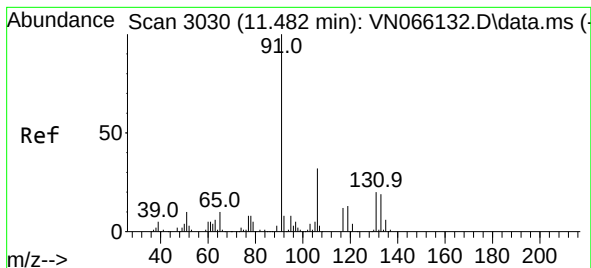
Tgt Ion: 98 Resp: 286456
Ion Ratio Lower Upper
98 100
100 66.5 51.9 77.9



#64
Chlorobenzene
Concen: 0.55 ug/l
RT: 11.405 min Scan# 3006
Delta R.T. 0.000 min
Lab File: VN066136.D
Acq: 5 Mar 2021 15:35

Tgt Ion: 112 Resp: 3777
Ion Ratio Lower Upper
112 100
114 19.0 25.5 38.3#

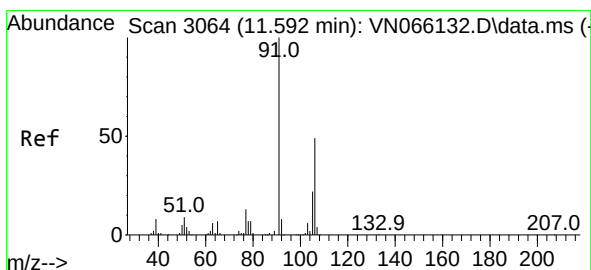
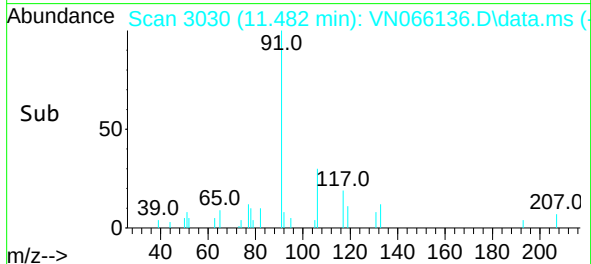
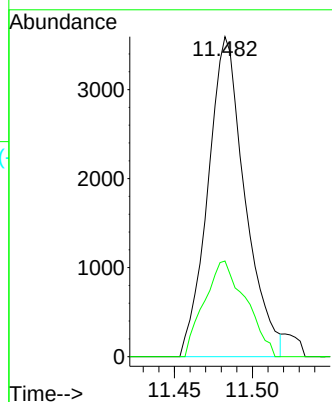
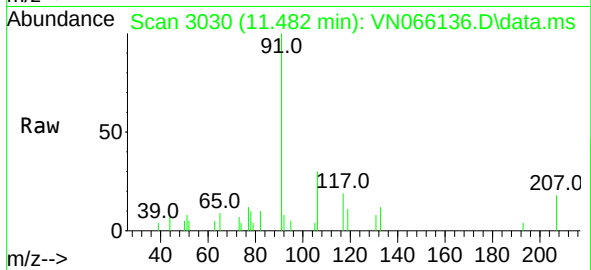




#66
Ethyl Benzene
Concen: 0.49 ug/l
RT: 11.482 min Scan# 3030
Delta R.T. 0.000 min
Lab File: VN066136.D
Acq: 5 Mar 2021 15:35

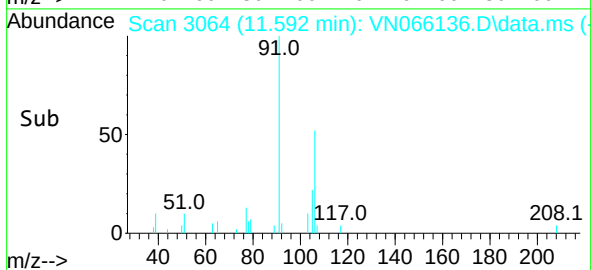
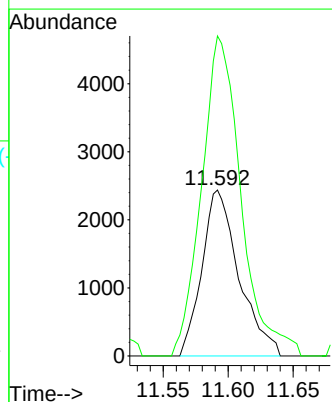
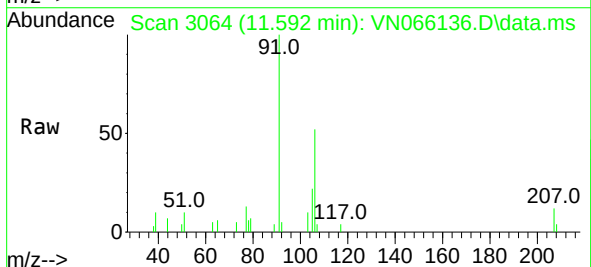
Instrument :
MSVOA_N
ClientSampled :
IBLK

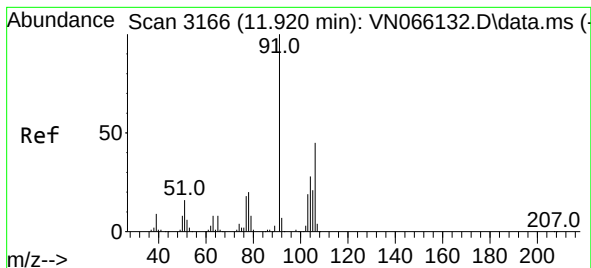
Tgt Ion: 91 Resp: 5936
Ion Ratio Lower Upper
91 100
106 29.9 25.5 38.3



#67
m/p-Xylenes
Concen: 1.03 ug/l
RT: 11.592 min Scan# 3064
Delta R.T. 0.000 min
Lab File: VN066136.D
Acq: 5 Mar 2021 15:35

Tgt Ion: 106 Resp: 4837
Ion Ratio Lower Upper
106 100
91 205.0 159.0 238.6

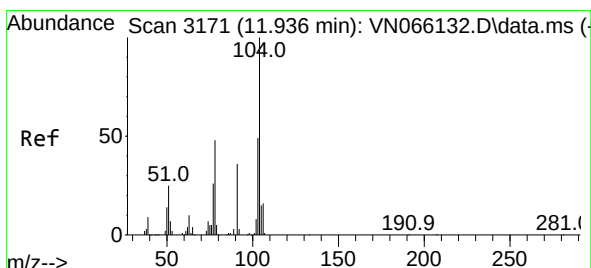
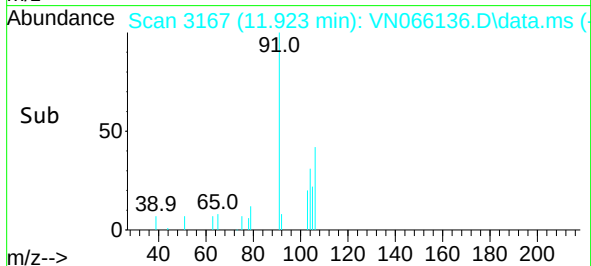
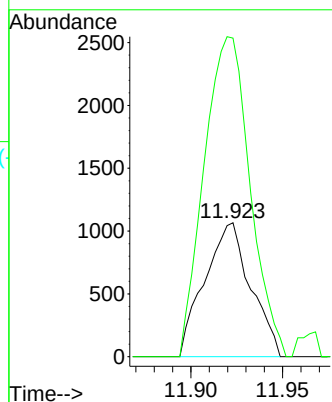
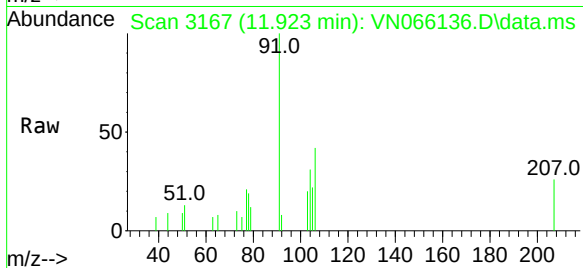




#68
o-Xylene
Concen: 0.40 ug/l
RT: 11.923 min Scan# 3167
Delta R.T. 0.003 min
Lab File: VN066136.D
Acq: 5 Mar 2021 15:35

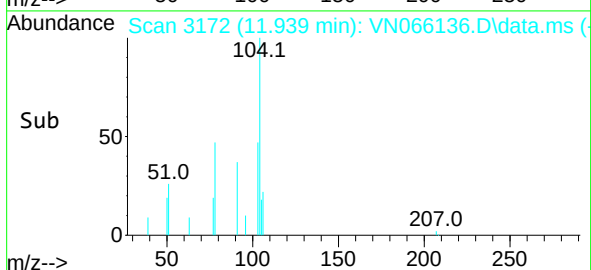
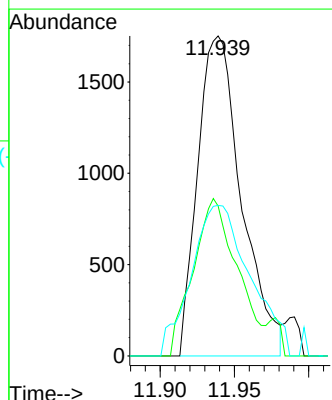
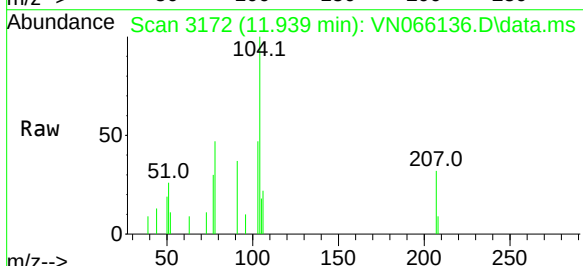
Instrument :
MSVOA_N
ClientSampled :
IBLK

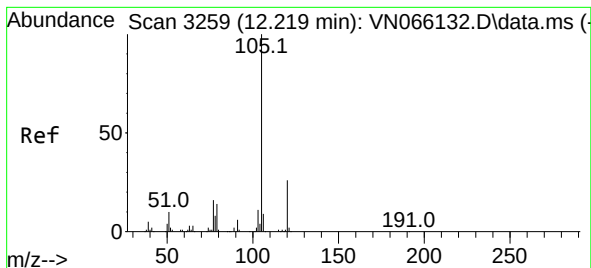
Tgt Ion:106 Resp: 1854
Ion Ratio Lower Upper
106 100
91 239.0 104.7 313.9



#69
Styrene
Concen: 0.48 ug/l
RT: 11.939 min Scan# 3172
Delta R.T. 0.003 min
Lab File: VN066136.D
Acq: 5 Mar 2021 15:35

Tgt Ion:104 Resp: 3592
Ion Ratio Lower Upper
104 100
78 50.4 38.0 57.0
103 61.6 44.3 66.5





#70

Isopropylbenzene

Concen: 0.52 ug/l

RT: 12.222 min Scan# 3260

Delta R.T. 0.003 min

Lab File: VN066136.D

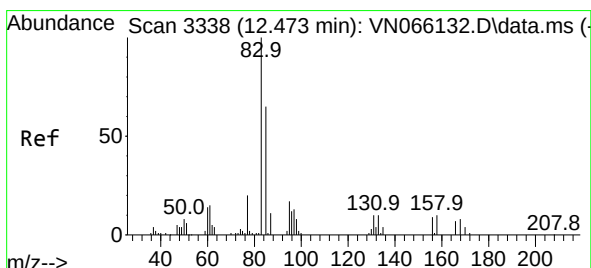
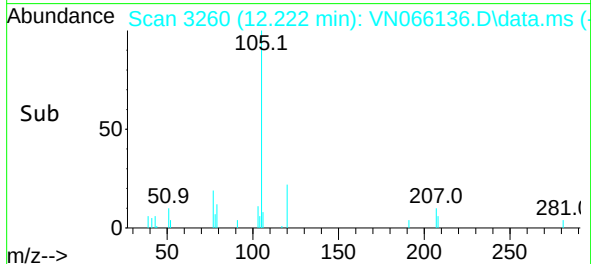
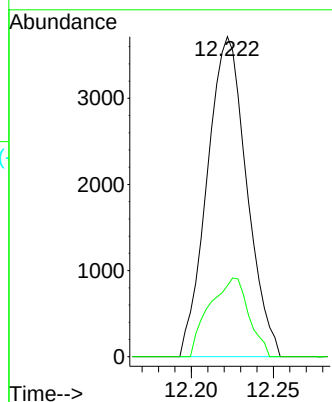
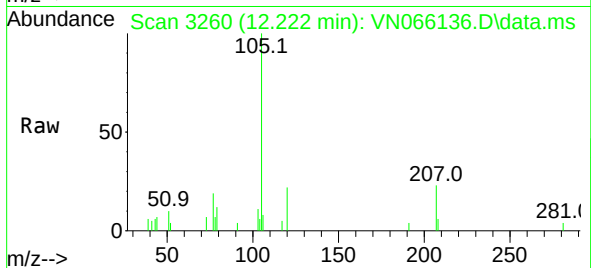
Acq: 5 Mar 2021 15:35

Tgt Ion:105 Resp: 6214

Ion Ratio Lower Upper

105 100

120 24.5 19.3 35.9



#71

1,1,2,2-Tetrachloroethane

Concen: 0.60 ug/l

RT: 12.476 min Scan# 3339

Delta R.T. 0.003 min

Lab File: VN066136.D

Acq: 5 Mar 2021 15:35

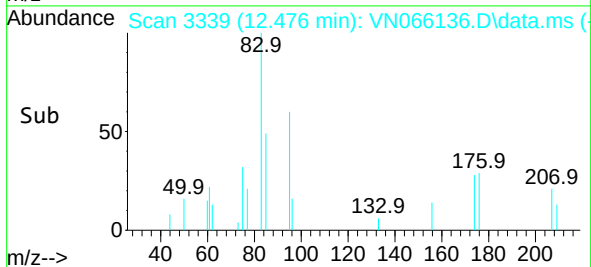
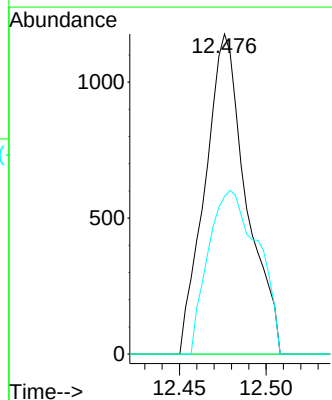
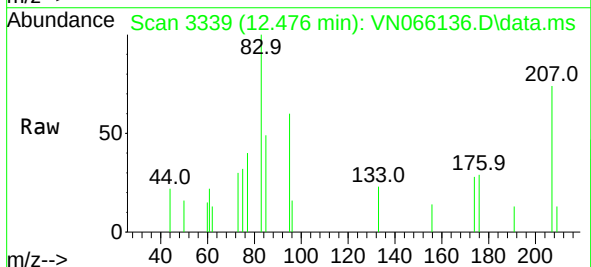
Tgt Ion: 83 Resp: 1944

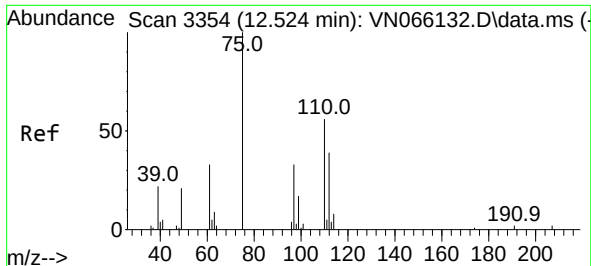
Ion Ratio Lower Upper

83 100

131 0.0 5.5 16.4#

85 61.6 32.1 96.5

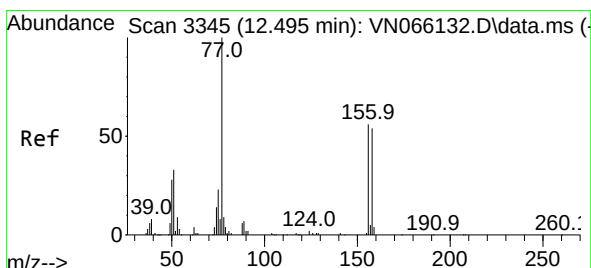
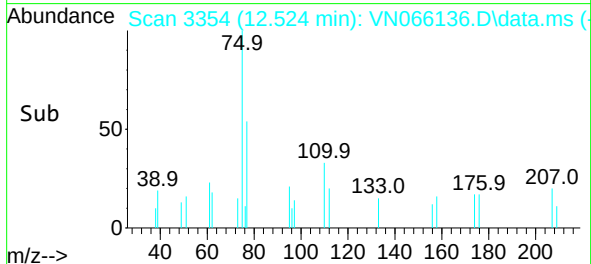
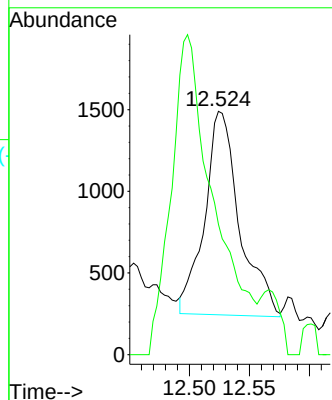
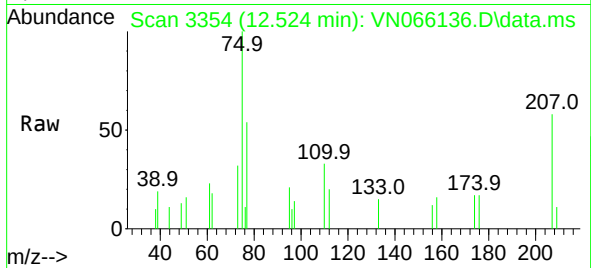




#72
1,2,3-Trichloropropane
Concen: 0.77 ug/l
RT: 12.524 min Scan# 3354
Delta R.T. 0.000 min
Lab File: VN066136.D
Acq: 5 Mar 2021 15:35

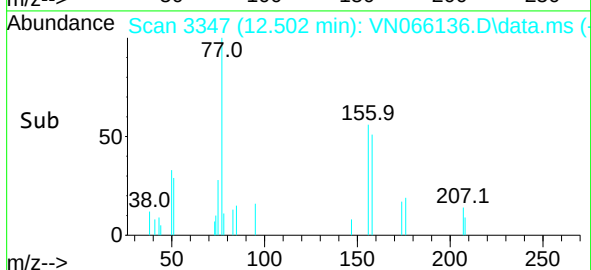
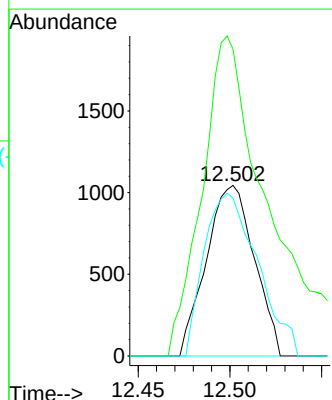
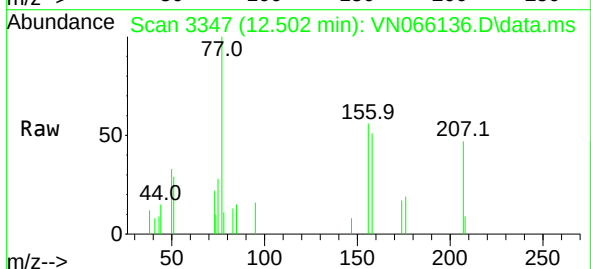
Instrument :
MSVOA_N
ClientSampled :
IBLK

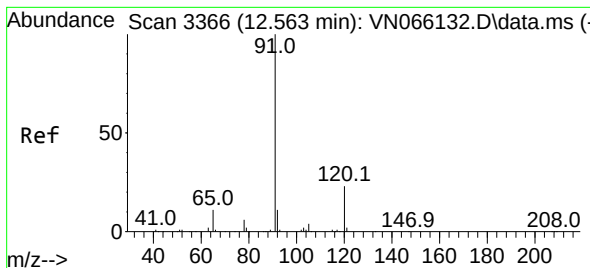
Tgt Ion: 75 Resp: 2532
Ion Ratio Lower Upper
75 100
77 191.9 0.0 366.4



#73
Bromobenzene
Concen: 0.66 ug/l
RT: 12.502 min Scan# 3347
Delta R.T. 0.007 min
Lab File: VN066136.D
Acq: 5 Mar 2021 15:35

Tgt Ion: 156 Resp: 1899
Ion Ratio Lower Upper
156 100
77 255.9 0.0 348.8
158 106.4 0.0 194.8





#74

n-propylbenzene

Concen: 0.71 ug/l

RT: 12.563 min Scan# 3366

Delta R.T. 0.000 min

Lab File: VN066136.D

Acq: 5 Mar 2021 15:35

Tgt Ion: 91 Resp: 9465

Ion Ratio Lower Upper

91 100

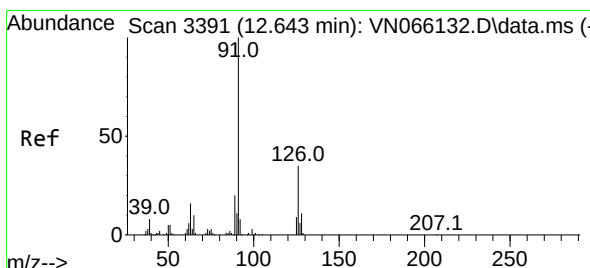
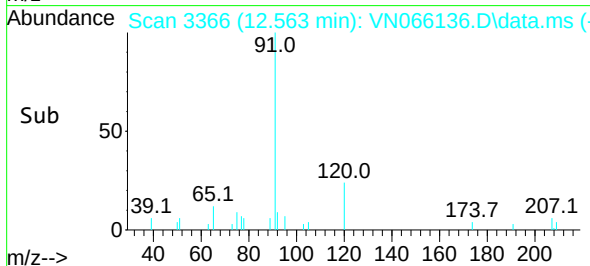
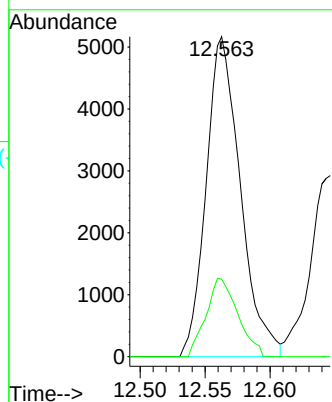
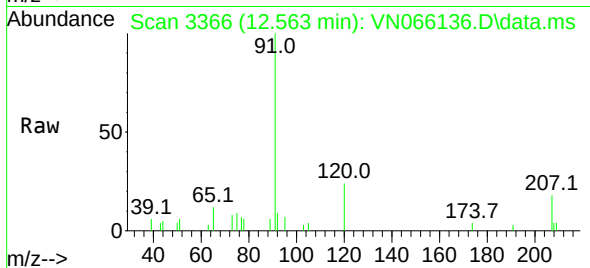
120 22.7 0.0 49.4

Instrument :

MSVOA_N

ClientSampled :

IBLK



#75

2-Chlorotoluene

Concen: 0.69 ug/l

RT: 12.650 min Scan# 3393

Delta R.T. 0.007 min

Lab File: VN066136.D

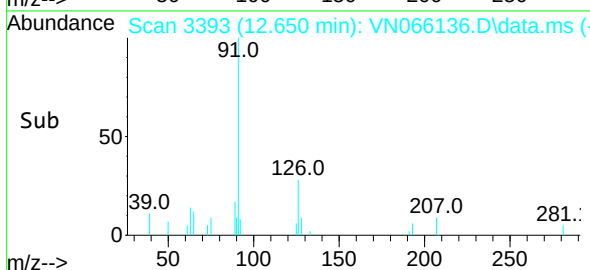
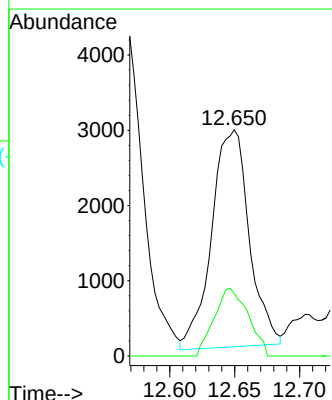
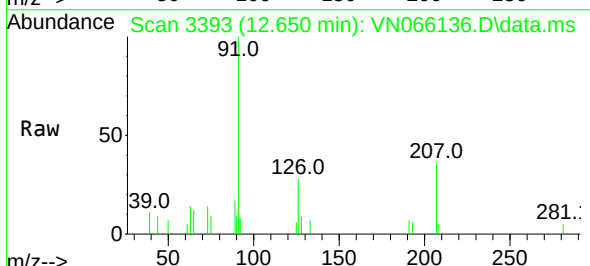
Acq: 5 Mar 2021 15:35

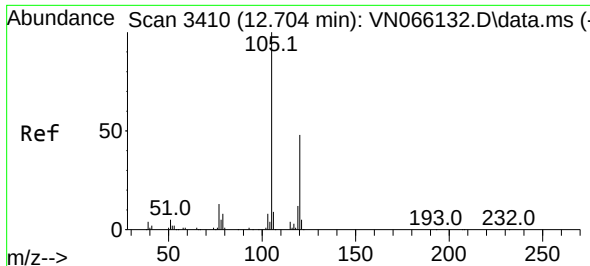
Tgt Ion: 91 Resp: 5820

Ion Ratio Lower Upper

91 100

126 28.1 0.0 74.2

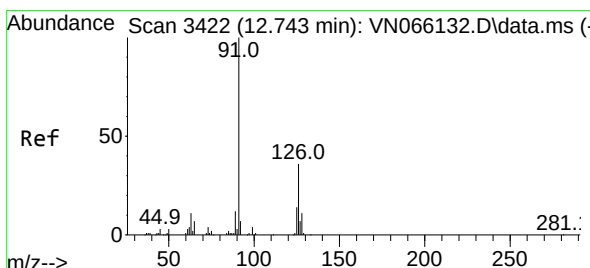
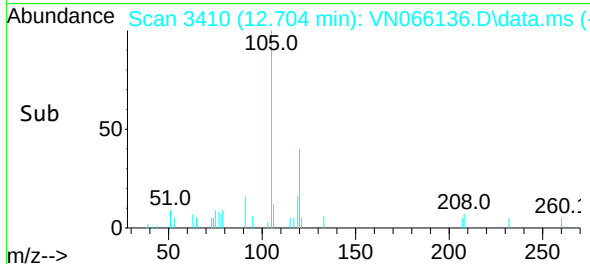
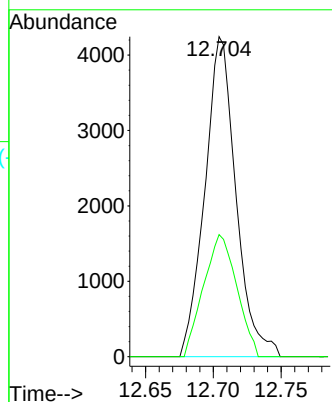
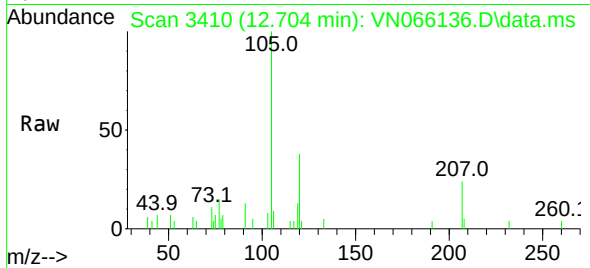




#76
1,3,5-Trimethylbenzene
Concen: 0.63 ug/l
RT: 12.704 min Scan# 3410
Delta R.T. 0.000 min
Lab File: VN066136.D
Acq: 5 Mar 2021 15:35

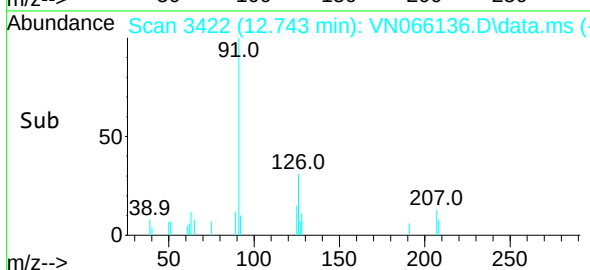
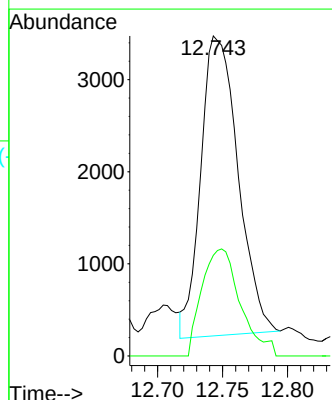
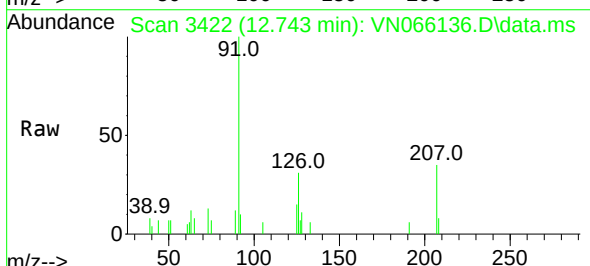
Instrument :
MSVOA_N
ClientSampled :
IBLK

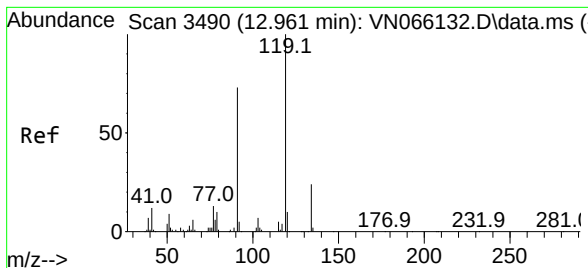
Tgt Ion:105 Resp: 6767
Ion Ratio Lower Upper
105 100
120 40.7 0.0 101.6



#78
4-Chlorotoluene
Concen: 0.75 ug/l
RT: 12.743 min Scan# 3422
Delta R.T. 0.000 min
Lab File: VN066136.D
Acq: 5 Mar 2021 15:35

Tgt Ion: 91 Resp: 6479
Ion Ratio Lower Upper
91 100
126 35.9 0.0 71.4

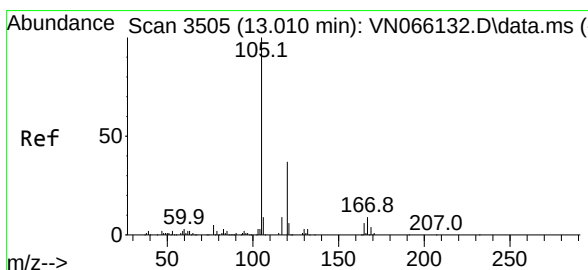
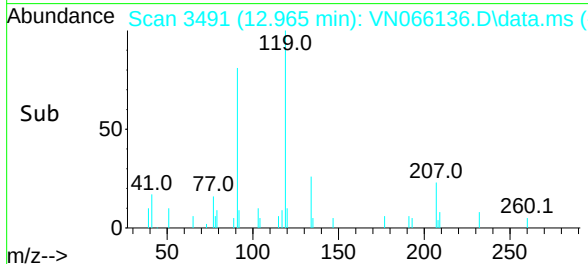
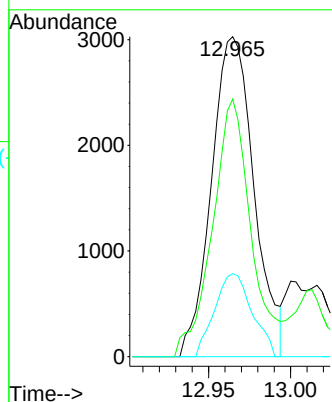
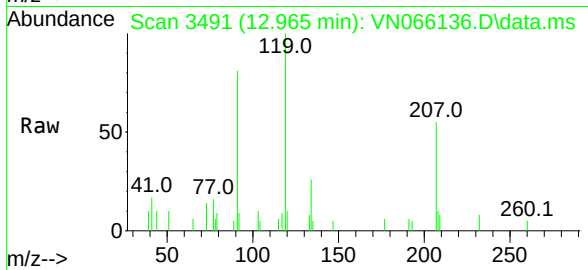




#79
tert-butylbenzene
Concen: 0.61 ug/l
RT: 12.965 min Scan# 3491
Delta R.T. 0.003 min
Lab File: VN066136.D
Acq: 5 Mar 2021 15:35

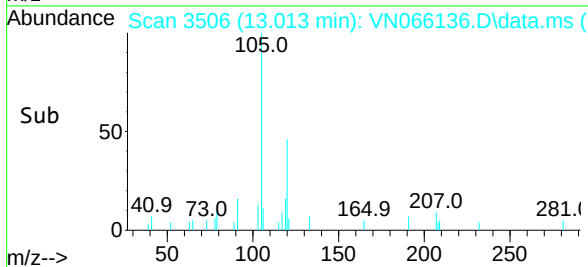
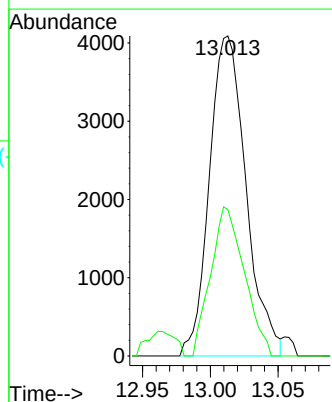
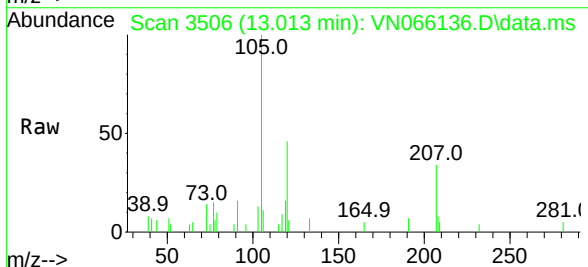
Instrument :
MSVOA_N
ClientSampled :
IBLK

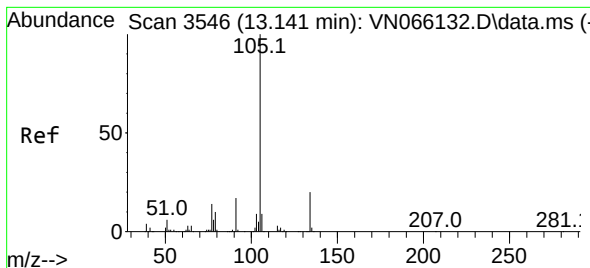
Tgt Ion:119 Resp: 5462
Ion Ratio Lower Upper
119 100
91 72.4 0.0 126.0
134 22.8 0.0 51.2



#80
1,2,4-Trimethylbenzene
Concen: 0.73 ug/l
RT: 13.013 min Scan# 3506
Delta R.T. 0.003 min
Lab File: VN066136.D
Acq: 5 Mar 2021 15:35

Tgt Ion:105 Resp: 7678
Ion Ratio Lower Upper
105 100
120 42.9 0.0 93.6

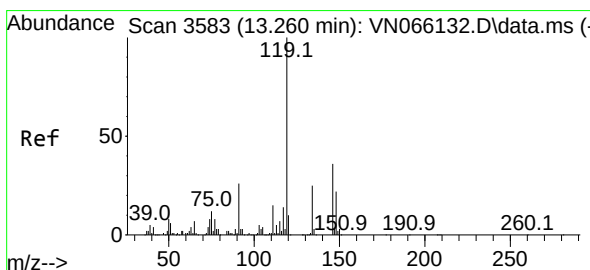
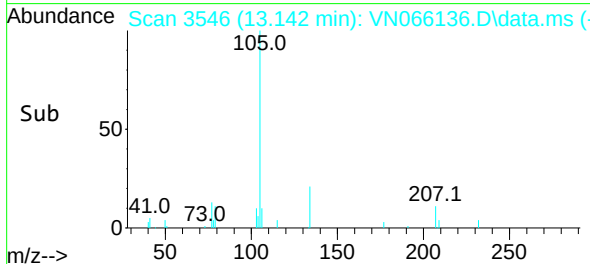
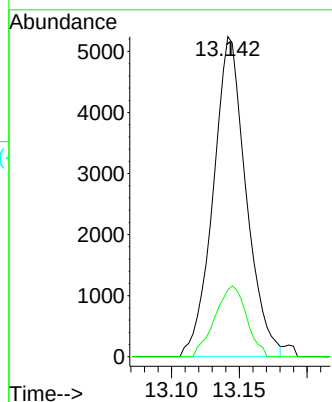
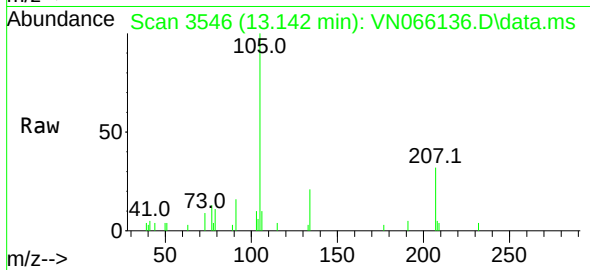




#81
 sec-Butylbenzene
 Concen: 0.79 ug/l
 RT: 13.142 min Scan# 3546
 Delta R.T. 0.000 min
 Lab File: VN066136.D
 Acq: 5 Mar 2021 15:35

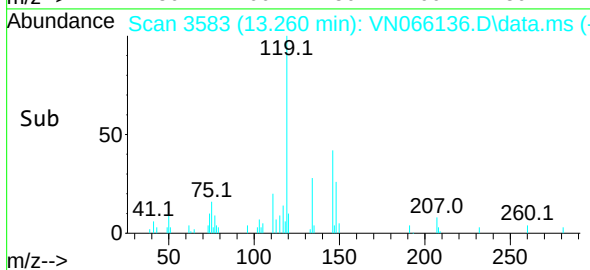
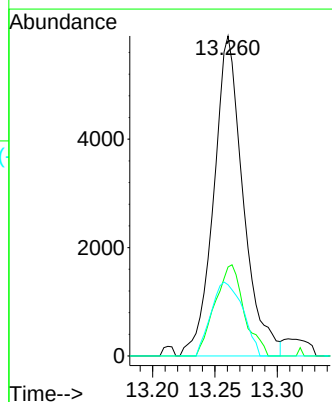
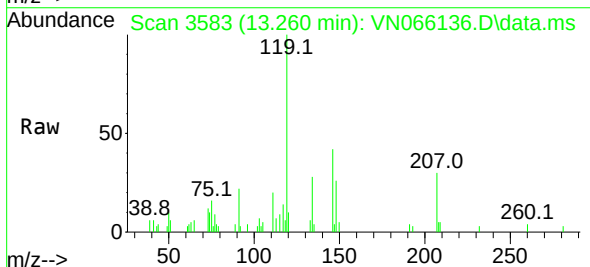
Instrument :
 MSVOA_N
 ClientSampled :
 IBLK

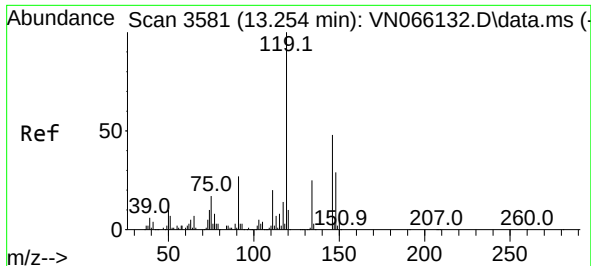
Tgt Ion:105 Resp: 8834
 Ion Ratio Lower Upper
 105 100
 134 21.2 0.0 42.2



#82
 p-Isopropyltoluene
 Concen: 0.91 ug/l
 RT: 13.260 min Scan# 3583
 Delta R.T. 0.000 min
 Lab File: VN066136.D
 Acq: 5 Mar 2021 15:35

Tgt Ion:119 Resp: 9704
 Ion Ratio Lower Upper
 119 100
 134 28.2 0.0 54.8
 91 24.8 0.0 44.8

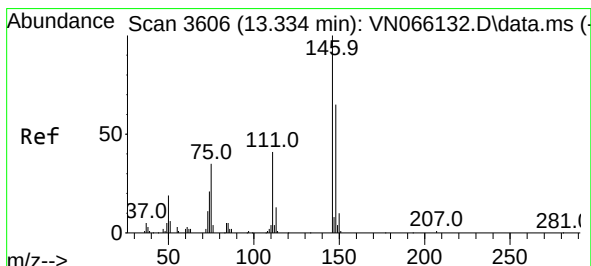
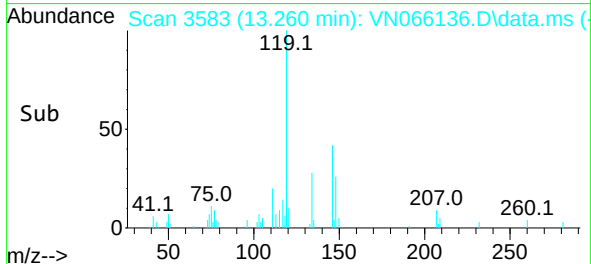
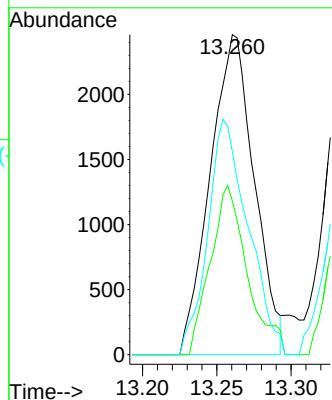
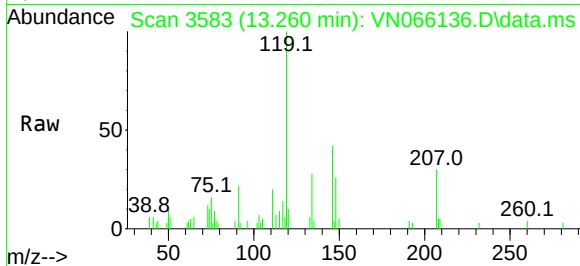




#83
1,3-Dichlorobenzene
Concen: 1.02 ug/l
RT: 13.260 min Scan# 3583
Delta R.T. 0.007 min
Lab File: VN066136.D
Acq: 5 Mar 2021 15:35

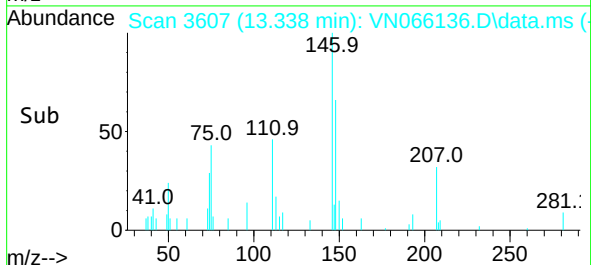
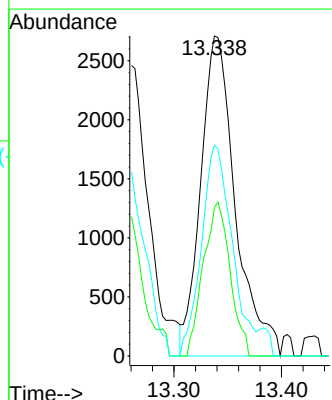
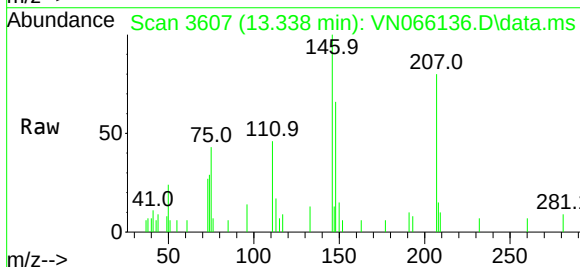
Instrument :
MSVOA_N
ClientSampled :
IBLK

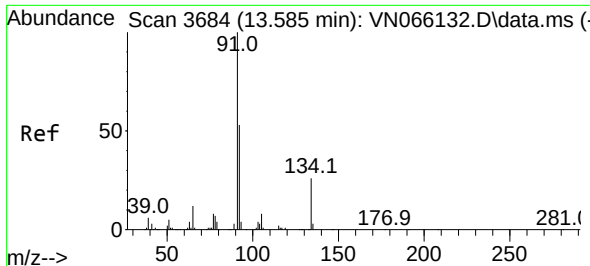
Tgt Ion:146 Resp: 5085
Ion Ratio Lower Upper
146 100
111 42.6 18.6 55.8
148 67.3 32.0 96.2



#84
1,4-Dichlorobenzene
Concen: 1.26 ug/l
RT: 13.338 min Scan# 3607
Delta R.T. 0.003 min
Lab File: VN066136.D
Acq: 5 Mar 2021 15:35

Tgt Ion:146 Resp: 6073
Ion Ratio Lower Upper
146 100
111 37.1 17.9 53.7
148 58.3 31.8 95.4

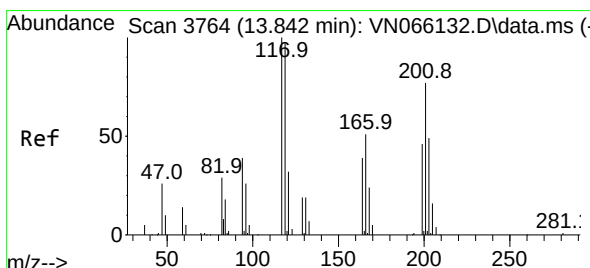
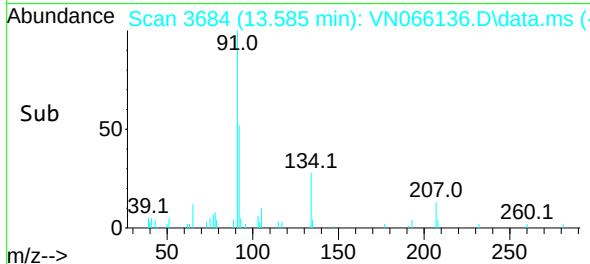
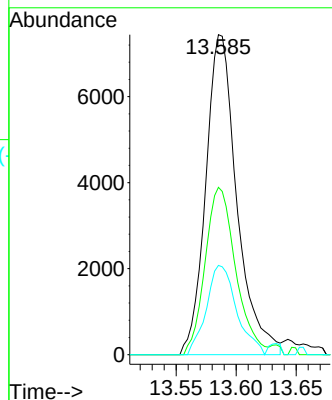
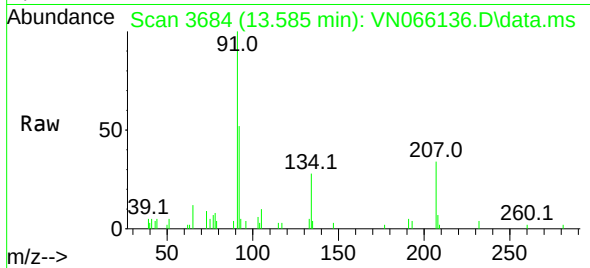




#85
n-Butylbenzene
Concen: 1.61 ug/l
RT: 13.585 min Scan# 3684
Delta R.T. 0.000 min
Lab File: VN066136.D
Acq: 5 Mar 2021 15:35

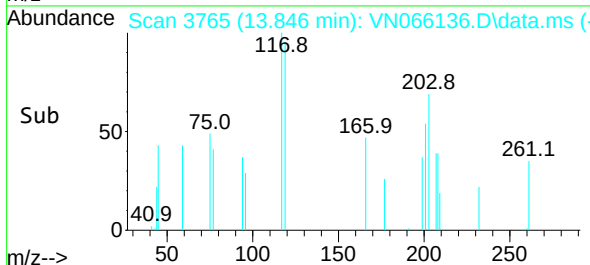
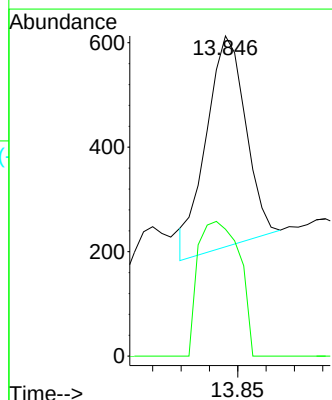
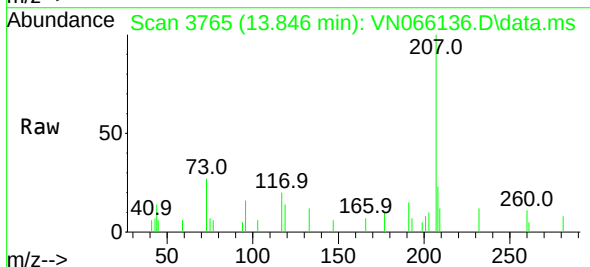
Instrument :
MSVOA_N
ClientSampled :
IBLK

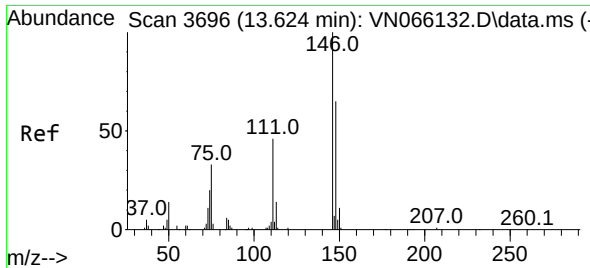
Tgt Ion:	91	Resp:	13440
Ion	Ratio	Lower	Upper
91	100		
92	51.4	0.0	104.8
134	27.1	0.0	55.8



#86
Hexachloroethane
Concen: 0.24 ug/l
RT: 13.846 min Scan# 3765
Delta R.T. 0.003 min
Lab File: VN066136.D
Acq: 5 Mar 2021 15:35

Tgt Ion:	117	Resp:	393
Ion	Ratio	Lower	Upper
117	100		
201	66.7	48.4	145.3

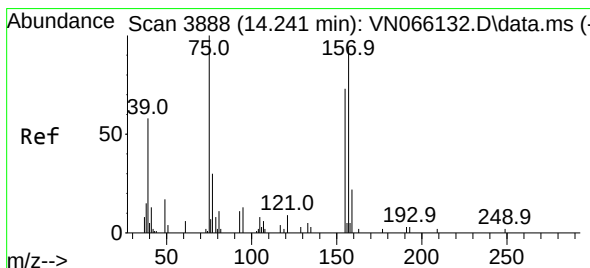
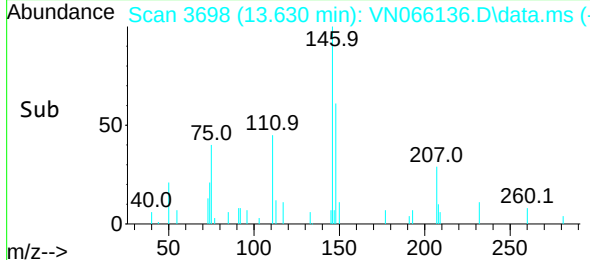
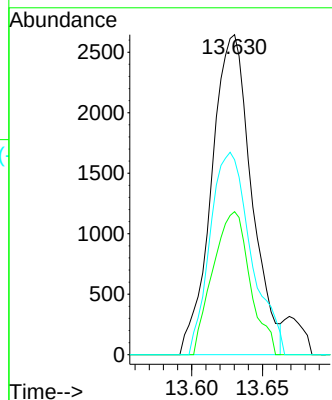
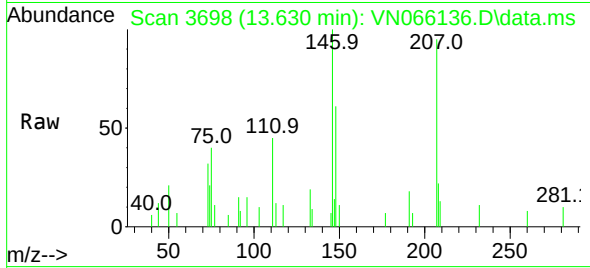




#87
1,2-Dichlorobenzene
Concen: 1.05 ug/l
RT: 13.630 min Scan# 3698
Delta R.T. 0.007 min
Lab File: VN066136.D
Acq: 5 Mar 2021 15:35

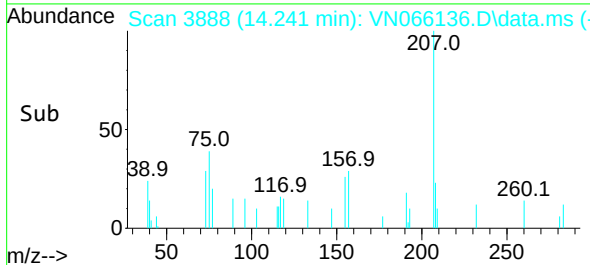
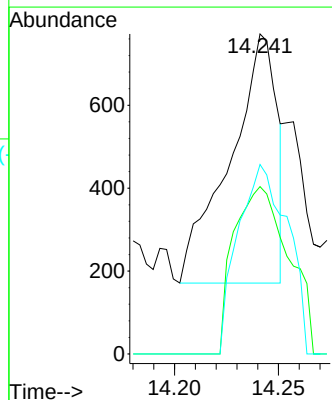
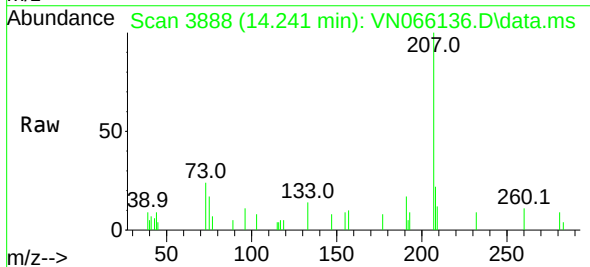
Instrument :
MSVOA_N
ClientSampled :
IBLK

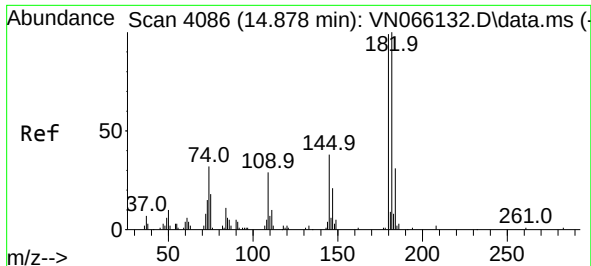
Tgt Ion:146 Resp: 5193
Ion Ratio Lower Upper
146 100
111 41.5 18.9 56.9
148 65.0 32.3 96.8



#88
1,2-Dibromo-3-Chloropropane
Concen: 1.22 ug/l
RT: 14.241 min Scan# 3888
Delta R.T. 0.000 min
Lab File: VN066136.D
Acq: 5 Mar 2021 15:35

Tgt Ion: 75 Resp: 947
Ion Ratio Lower Upper
75 100
155 77.8 76.9 115.3
157 79.6 105.8 158.8#

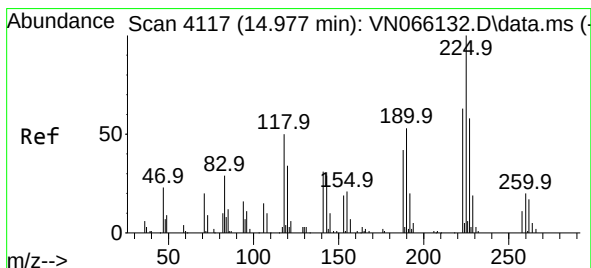
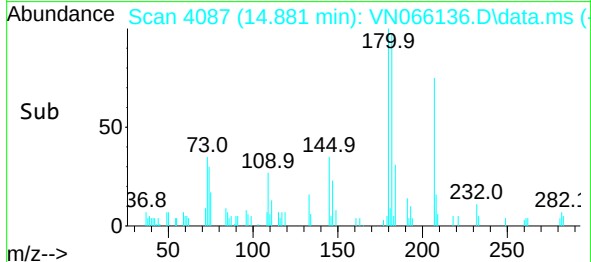
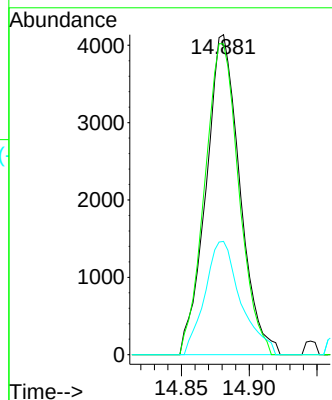
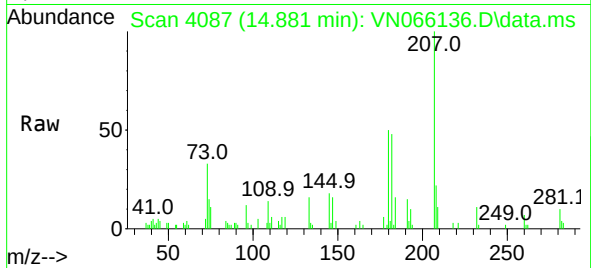




#89
1,2,4-Trichlorobenzene
Concen: 2.68 ug/l
RT: 14.881 min Scan# 4087
Delta R.T. 0.003 min
Lab File: VN066136.D
Acq: 5 Mar 2021 15:35

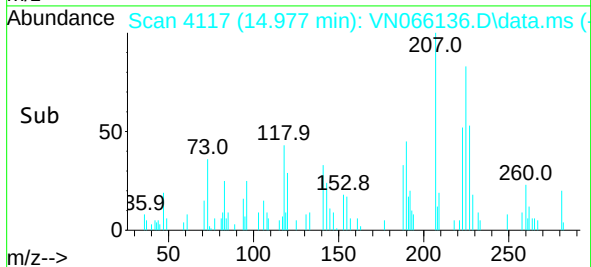
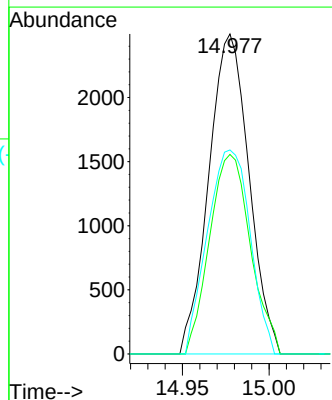
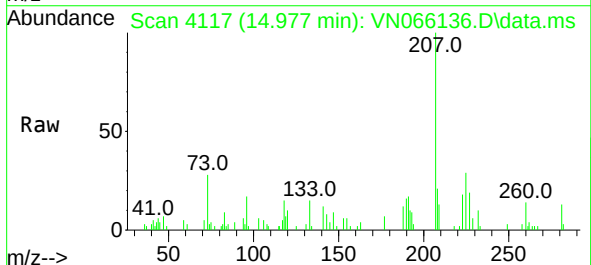
Instrument :
MSVOA_N
ClientSampled :
IBLK

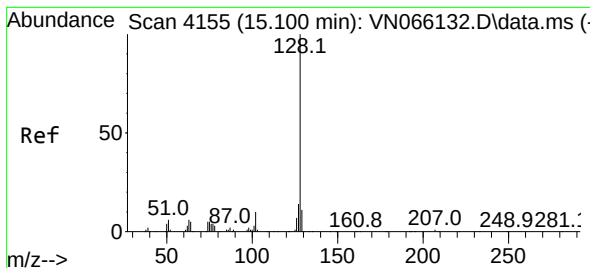
Tgt Ion:180 Resp: 7165
Ion Ratio Lower Upper
180 100
182 98.3 78.5 117.7
145 37.5 23.8 35.6#



#90
Hexachlorobutadiene
Concen: 3.31 ug/l
RT: 14.977 min Scan# 4117
Delta R.T. 0.000 min
Lab File: VN066136.D
Acq: 5 Mar 2021 15:35

Tgt Ion:225 Resp: 4023
Ion Ratio Lower Upper
225 100
223 63.6 0.0 122.0
227 67.8 0.0 126.4

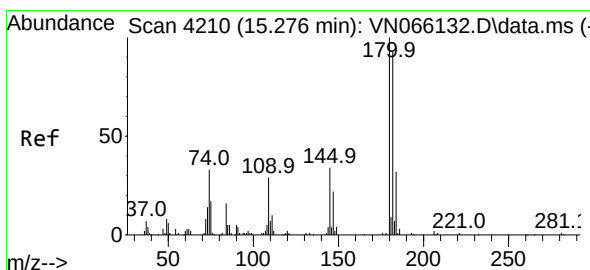
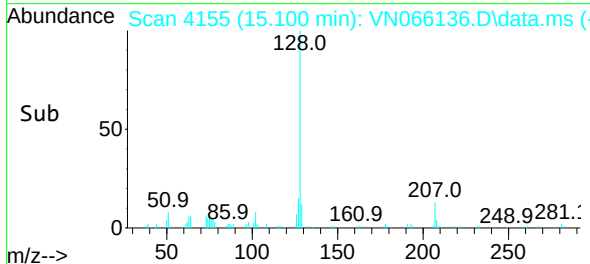
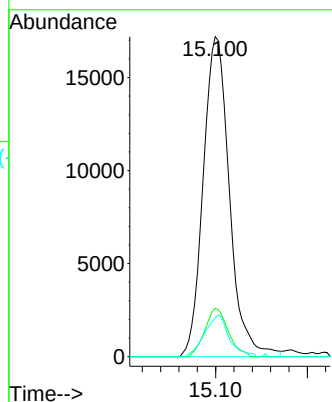
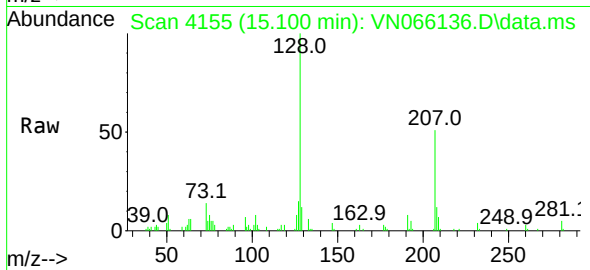




#91
Naphthalene
Concen: 4.37 ug/l
RT: 15.100 min Scan# 4155
Delta R.T. 0.000 min
Lab File: VN066136.D
Acq: 5 Mar 2021 15:35

Instrument :
MSVOA_N
ClientSampleId :
IBLK

Tgt Ion:128 Resp: 34141
Ion Ratio Lower Upper
128 100
127 13.4 10.1 15.1
129 12.2 8.6 12.8



#92
1,2,3-Trichlorobenzene
Concen: 3.72 ug/l
RT: 15.280 min Scan# 4211
Delta R.T. 0.003 min
Lab File: VN066136.D
Acq: 5 Mar 2021 15:35

Tgt Ion:180 Resp: 10131
Ion Ratio Lower Upper
180 100
182 92.4 0.0 190.4
145 36.4 0.0 57.8

