

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN040921\
 Data File : VN066557.D
 Acq On : 9 Apr 2021 12:50
 Operator : JC/MD
 Sample : M1990-01
 Misc : 5.00mL/MSVOA_N/WATER
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 ELEVATOR-PIT-STANDING-WATER

Quant Time: Apr 09 14:01:26 2021
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\624N032421W.M
 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
 QLast Update : Thu Mar 25 05:52:50 2021
 Response via : Initial Calibration

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

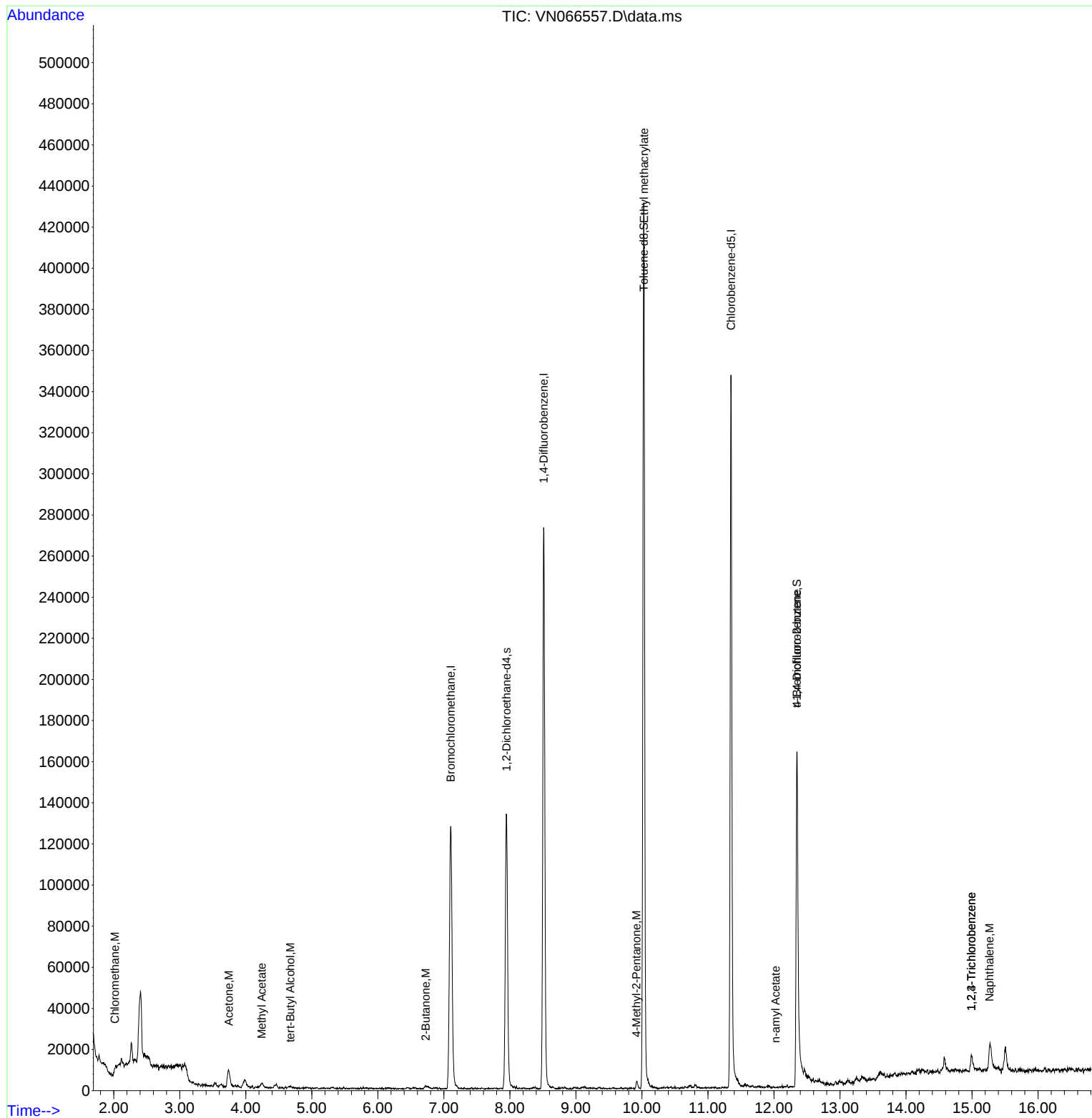
Internal Standards						
1) Bromochloromethane	7.104	128	47892	30.00	ug/l	0.00
28) 1,4-Difluorobenzene	8.512	114	228927	30.00	ug/l	0.00
57) Chlorobenzene-d5	11.350	117	203582	30.00	ug/l	0.00
System Monitoring Compounds						
27) 1,2-Dichloroethane-d4	7.949	65	114834	31.20	ug/l	0.00
Spiked Amount	30.000	Range	91 - 110	Recovery	=	104.00%
60) 4-Bromofluorobenzene	12.348	95	65440	20.60	ug/l	0.00
Spiked Amount	30.000	Range	63 - 112	Recovery	=	68.67%
63) Toluene-d8	10.028	98	293633	30.73	ug/l	0.00
Spiked Amount	30.000	Range	91 - 112	Recovery	=	102.43%
Target Compounds						
						Qvalue
3) Chloromethane	2.019	50	1668	0.50	ug/l	96
12) Methyl Acetate	4.240	43	3103	0.81	ug/l	99
13) Acrolein	3.567	56	241	Below	Cal	96
15) Acetone	3.741	58	3422	7.42	ug/l	69
23) tert-Butyl Alcohol	4.674	59	570	0.88	ug/l #	100
30) 2-Butanone	6.726	43	442	0.22	ug/l #	56
47) n-amyl Acetate	12.026	43	161	6.17	ug/l #	54
51) Ethyl methacrylate	10.033	69	1160	0.29	ug/l	90
58) 4-Methyl-2-Pentanone	9.918	43	1304	0.32	ug/l #	49
77) t-1,4-Dichloro-2-butene	12.348	75	34615	29.46	ug/l #	10
89) 1,2,4-Trichlorobenzene	14.989	180	3635	1.22	ug/l #	81
91) Naphthalene	15.266	128	7279	0.80	ug/l #	77
92) 1,2,3-Trichlorobenzene	14.989	180	3635	1.24	ug/l	79

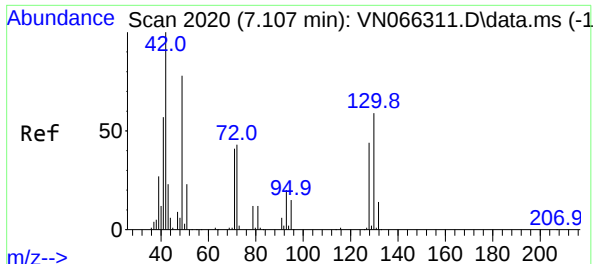
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN040921\
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ELEVATOR-PIT-STANDING-WATER

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Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\624N032421W.M
Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
QLast Update : Thu Mar 25 05:52:50 2021
Response via : Initial Calibration

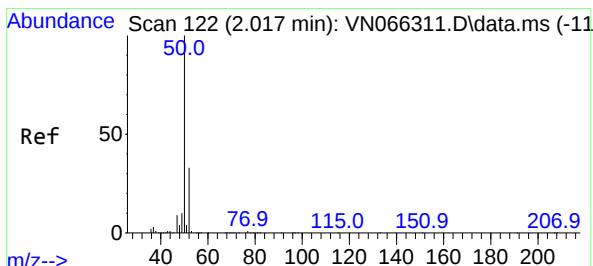
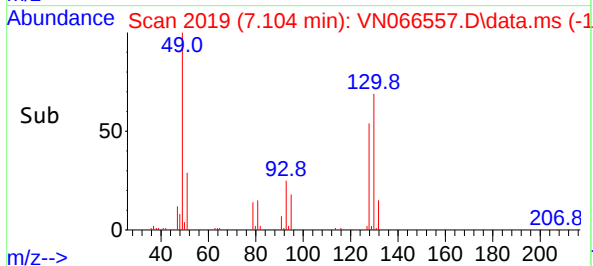
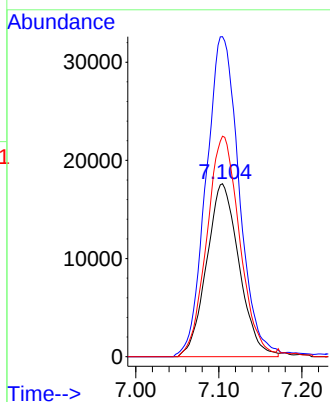
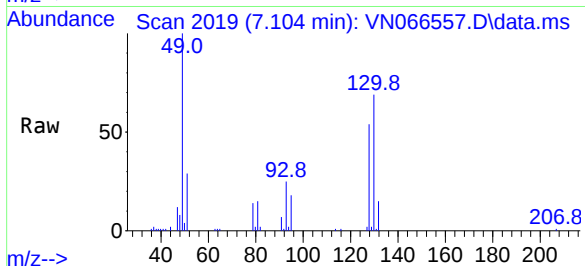




#1
Bromochloromethane
Concen: 30.00 ug/l
RT: 7.104 min Scan# 2019
Delta R.T. -0.003 min
Lab File: VN066557.D
Acq: 9 Apr 2021 12:50

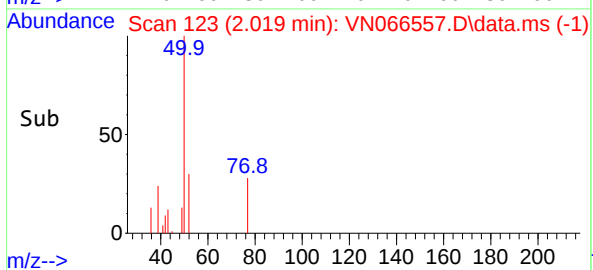
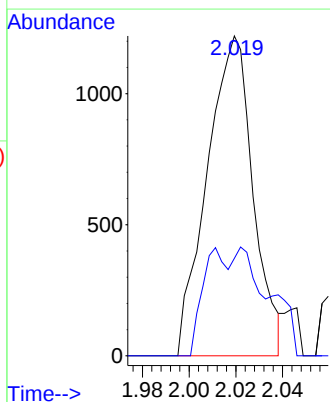
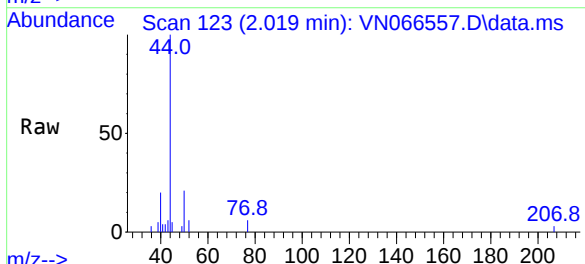
Instrument :
MSVOA_N
ClientSampleId :
ELEVATOR-PIT-STANDING-WATER

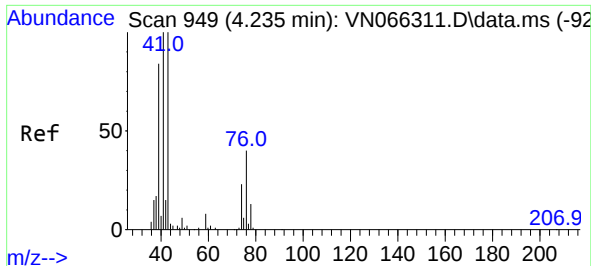
Tgt Ion:128 Resp: 47892
Ion Ratio Lower Upper
128 100
49 188.2 0.0 429.3
130 128.8 0.0 328.5



#3
Chloromethane
Concen: 0.50 ug/l
RT: 2.019 min Scan# 123
Delta R.T. 0.002 min
Lab File: VN066557.D
Acq: 9 Apr 2021 12:50

Tgt Ion: 50 Resp: 1668
Ion Ratio Lower Upper
50 100
52 30.5 26.2 39.4

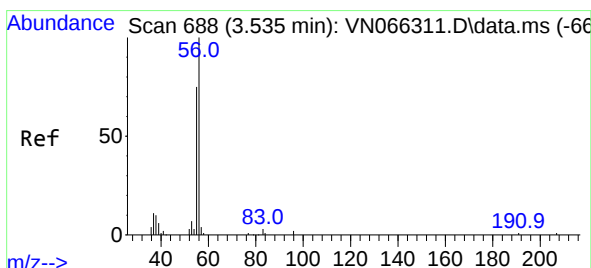
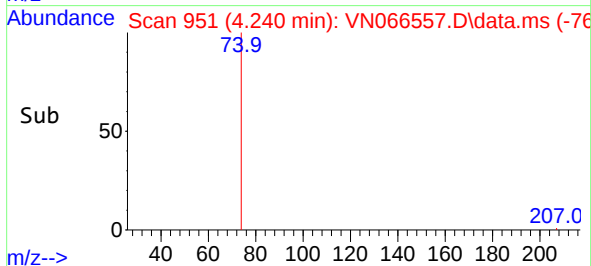
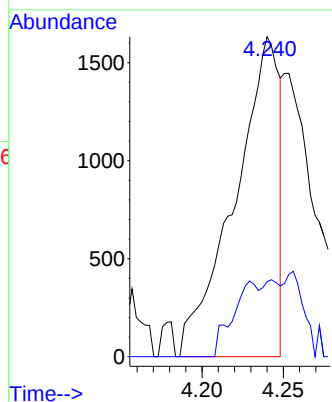
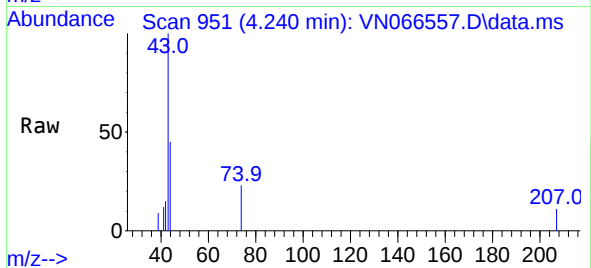




#12
Methyl Acetate
Concen: 0.81 ug/l
RT: 4.240 min Scan# 951
Delta R.T. 0.005 min
Lab File: VN066557.D
Acq: 9 Apr 2021 12:50

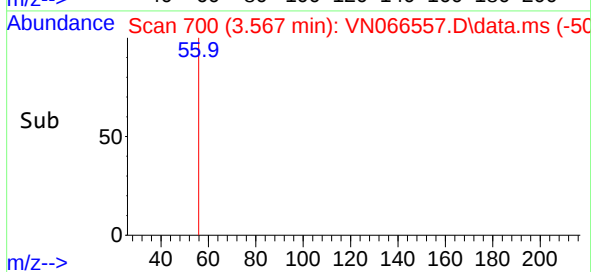
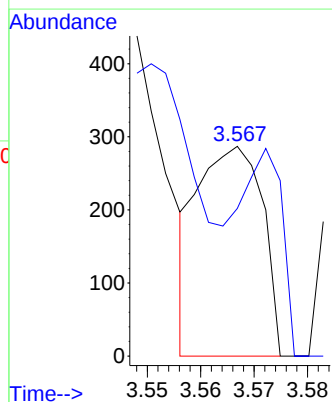
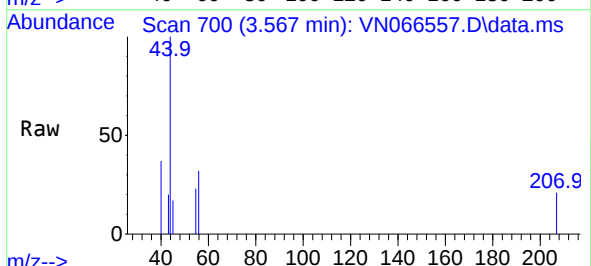
Instrument :
MSVOA_N
ClientSampleId :
ELEVATOR-PIT-STANDING-WATER

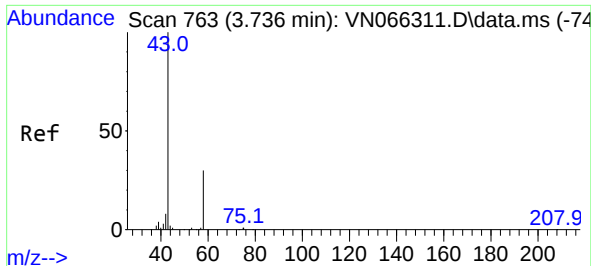
Tgt Ion: 43 Resp: 3103
Ion Ratio Lower Upper
43 100
74 22.0 18.0 27.0



#13
Acrolein
Concen: Below Cal
RT: 3.567 min Scan# 700
Delta R.T. 0.032 min
Lab File: VN066557.D
Acq: 9 Apr 2021 12:50

Tgt Ion: 56 Resp: 241
Ion Ratio Lower Upper
56 100
55 64.7 54.1 81.1

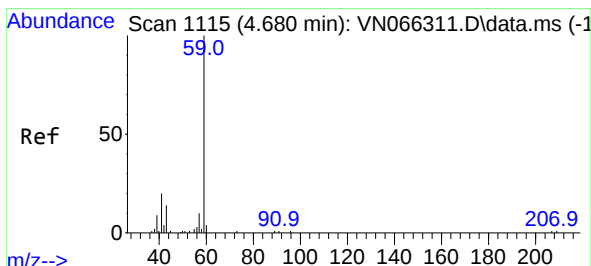
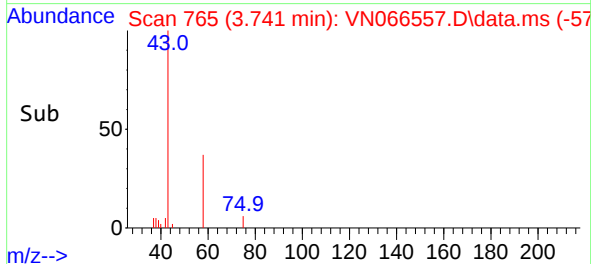
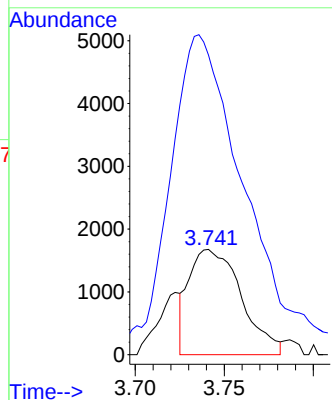
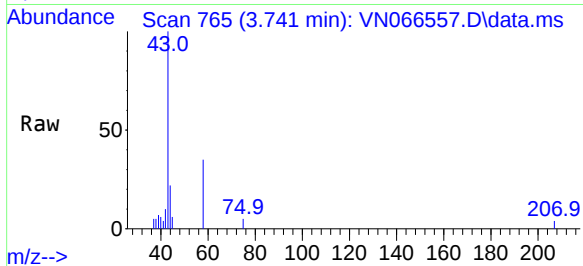




#15
Acetone
Concen: 7.42 ug/l
RT: 3.741 min Scan# 765
Delta R.T. 0.005 min
Lab File: VN066557.D
Acq: 9 Apr 2021 12:50

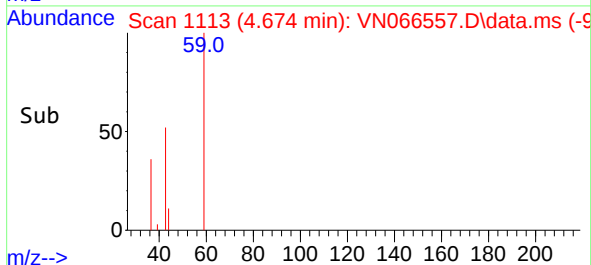
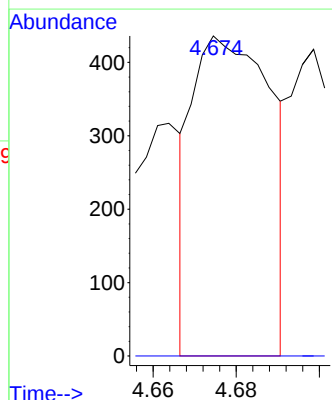
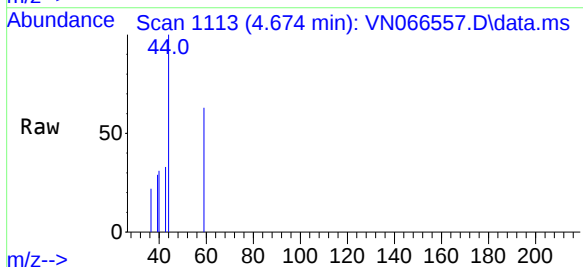
Instrument :
MSVOA_N
ClientSampleId :
ELEVATOR-PIT-STANDING-WATER

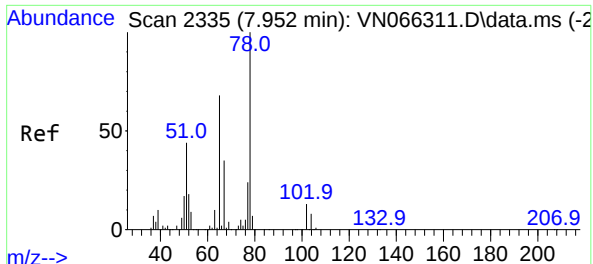
Tgt Ion: 58 Resp: 3422
Ion Ratio Lower Upper
58 100
43 268.3 267.3 400.9



#23
tert-Butyl Alcohol
Concen: 0.88 ug/l
RT: 4.674 min Scan# 1113
Delta R.T. -0.006 min
Lab File: VN066557.D
Acq: 9 Apr 2021 12:50

Tgt Ion: 59 Resp: 570
Ion Ratio Lower Upper
59 100
52 0.0 0.1 0.1#



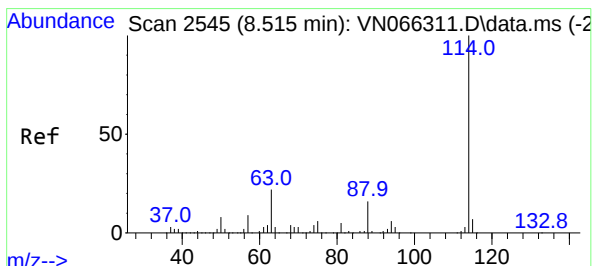
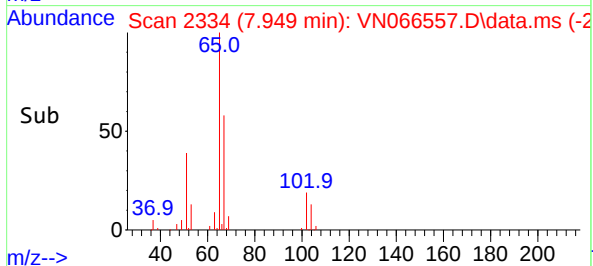
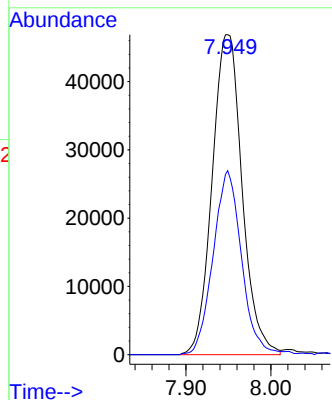
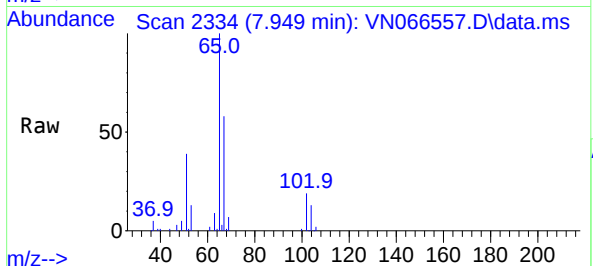


#27

1,2-Dichloroethane-d4
Concen: 31.20 ug/l
RT: 7.949 min Scan# 2334
Delta R.T. -0.003 min
Lab File: VN066557.D
Acq: 9 Apr 2021 12:50

Instrument :
MSVOA_N
ClientSampleId :
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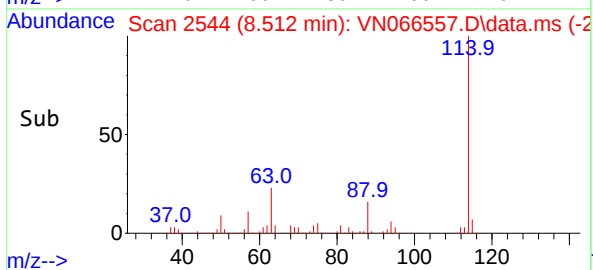
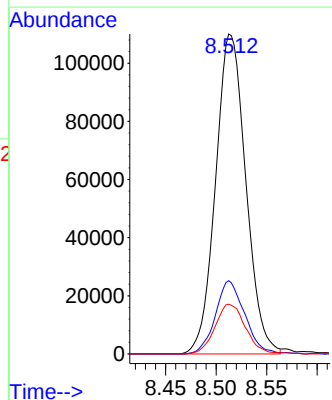
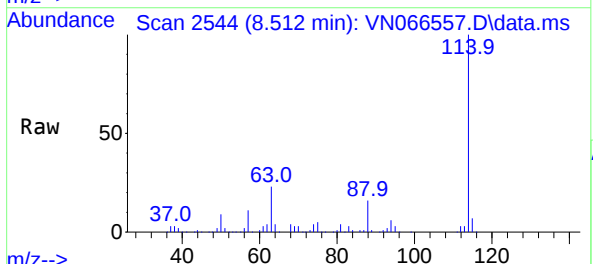
Tgt Ion: 65 Resp: 114834
Ion Ratio Lower Upper
65 100
67 54.4 42.2 63.4

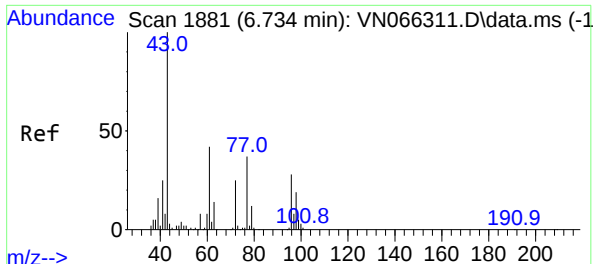


#28

1,4-Difluorobenzene
Concen: 30.00 ug/l
RT: 8.512 min Scan# 2544
Delta R.T. -0.003 min
Lab File: VN066557.D
Acq: 9 Apr 2021 12:50

Tgt Ion: 114 Resp: 228927
Ion Ratio Lower Upper
114 100
63 22.1 17.4 26.0
88 15.8 12.6 19.0

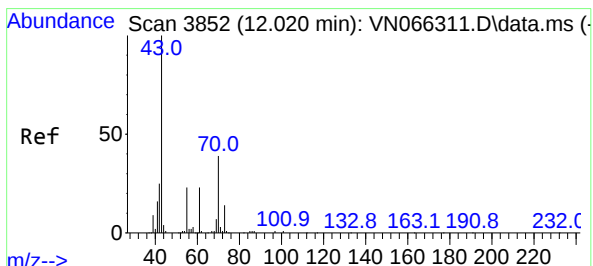
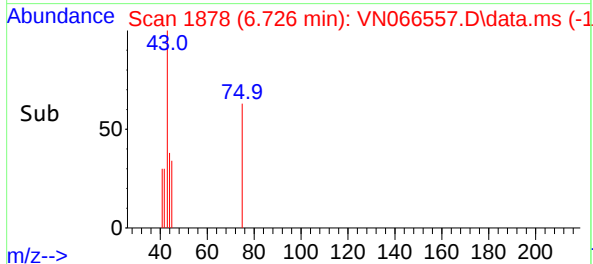
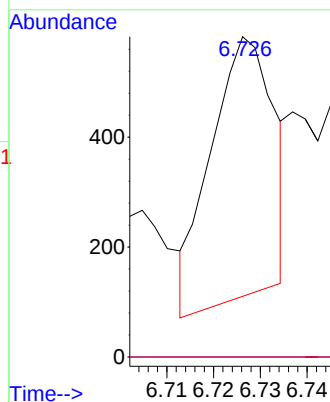
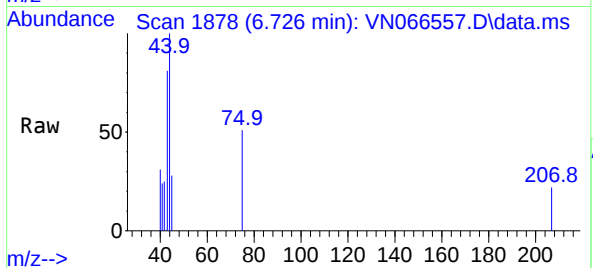




#30
2-Butanone
Concen: 0.22 ug/l
RT: 6.726 min Scan# 1878
Delta R.T. -0.008 min
Lab File: VN066557.D
Acq: 9 Apr 2021 12:50

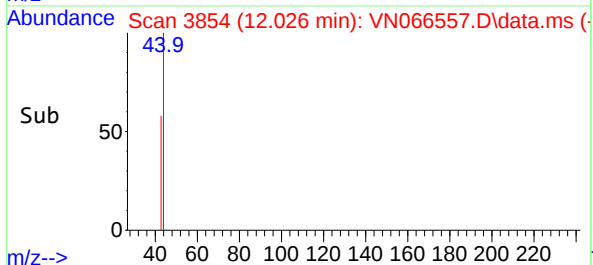
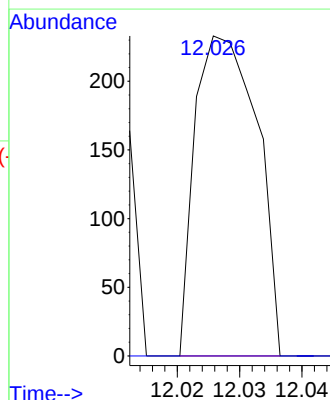
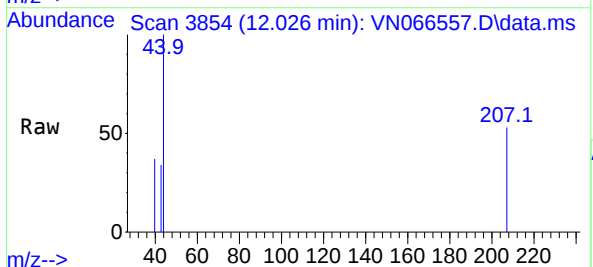
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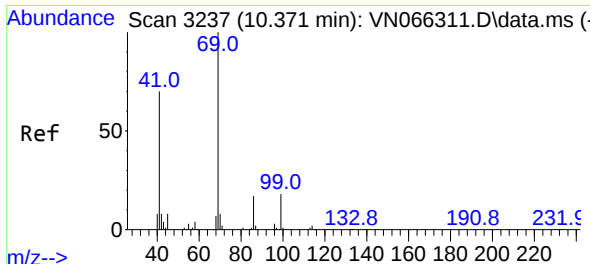
Tgt Ion: 43 Resp: 442
Ion Ratio Lower Upper
43 100
57 0.0 6.9 10.3#
72 0.0 20.9 31.3#



#47
n-amy1 Acetate
Concen: 6.17 ug/l
RT: 12.026 min Scan# 3854
Delta R.T. 0.006 min
Lab File: VN066557.D
Acq: 9 Apr 2021 12:50

Tgt Ion: 43 Resp: 161
Ion Ratio Lower Upper
43 100
55 0.0 17.7 26.5#

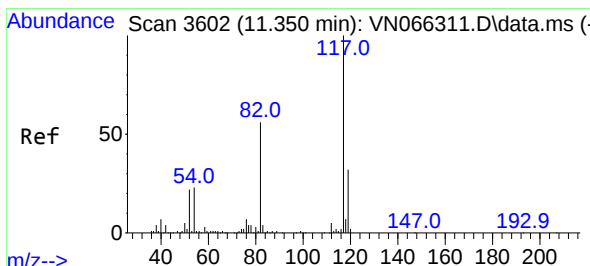
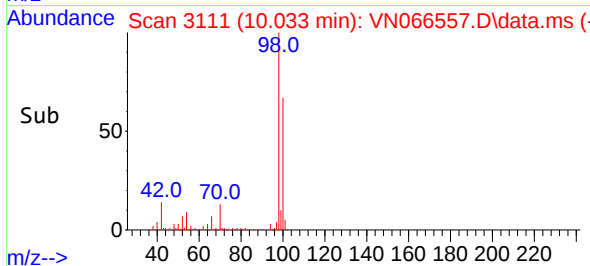
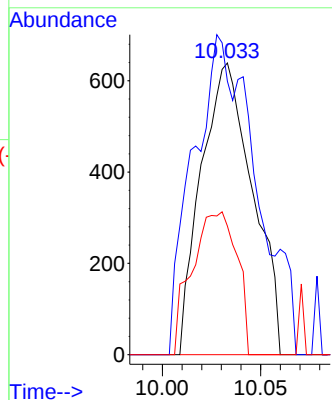
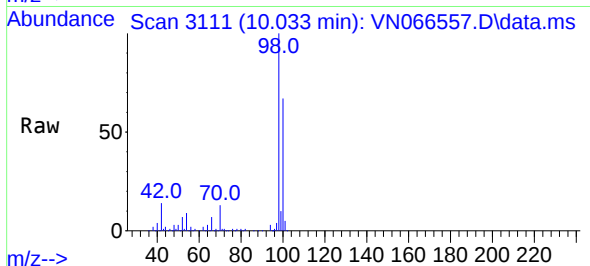




#51
Ethyl methacrylate
Concen: 0.29 ug/l
RT: 10.033 min Scan# 3111
Delta R.T. -0.338 min
Lab File: VN066557.D
Acq: 9 Apr 2021 12:50

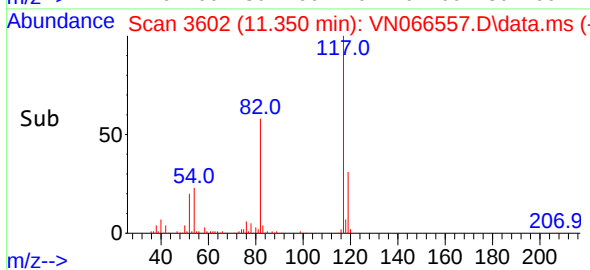
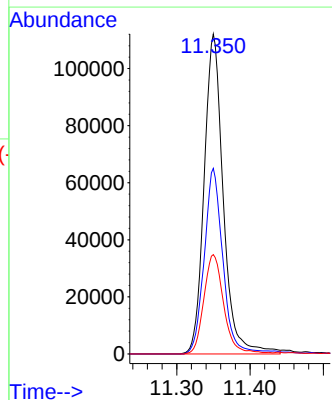
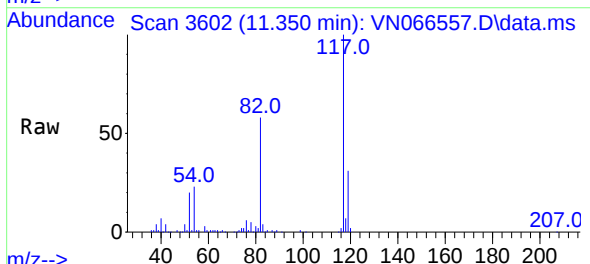
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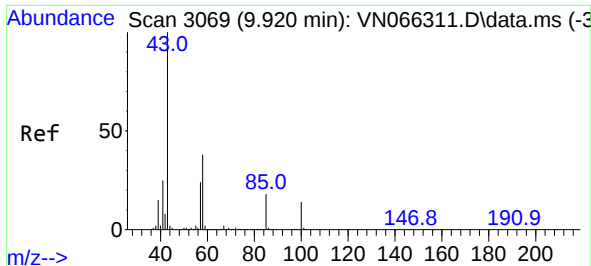
Tgt Ion: 69 Resp: 1160
Ion Ratio Lower Upper
69 100
41 57.6 34.8 104.5
39 44.1 22.5 67.5



#57
Chlorobenzene-d5
Concen: 30.00 ug/l
RT: 11.350 min Scan# 3602
Delta R.T. -0.000 min
Lab File: VN066557.D
Acq: 9 Apr 2021 12:50

Tgt Ion: 117 Resp: 203582
Ion Ratio Lower Upper
117 100
82 56.4 45.0 67.6
119 31.6 25.5 38.3

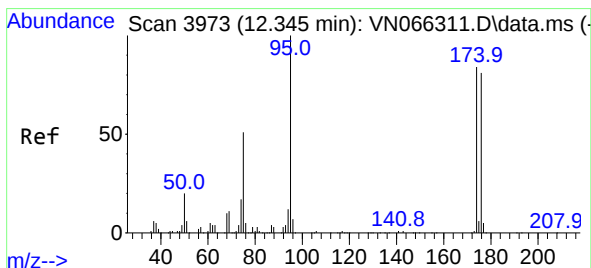
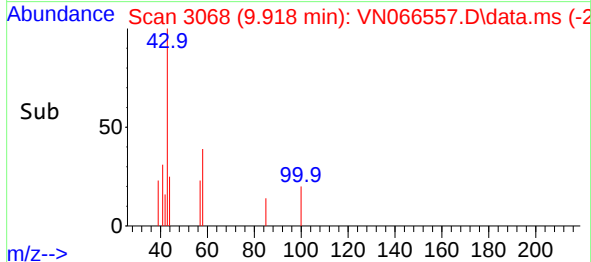
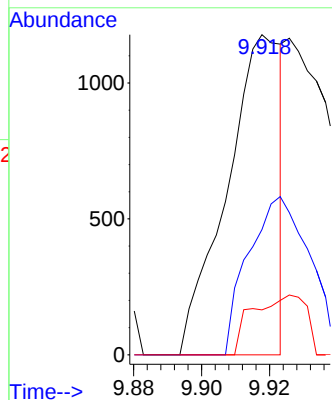
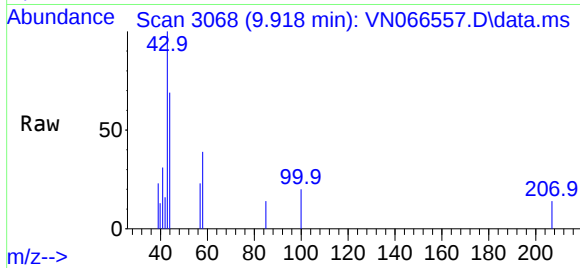




#58
4-Methyl-2-Pentanone
Concen: 0.32 ug/l
RT: 9.918 min Scan# 3068
Delta R.T. -0.002 min
Lab File: VN066557.D
Acq: 9 Apr 2021 12:50

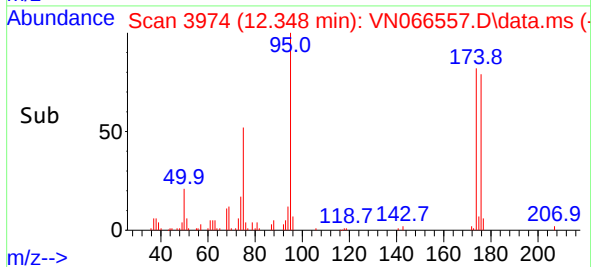
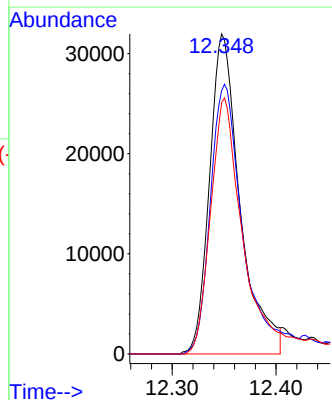
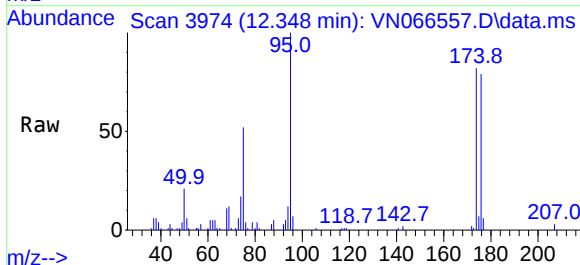
Instrument :
MSVOA_N
ClientSampleId :
ELEVATOR-PIT-STANDING-WATER

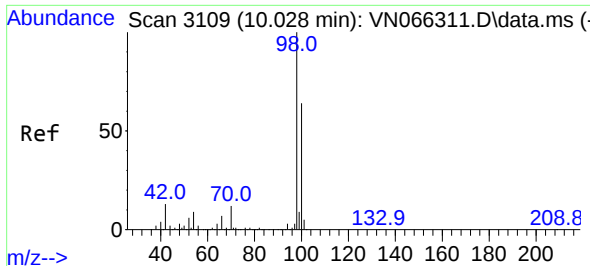
Tgt Ion: 43 Resp: 1304
Ion Ratio Lower Upper
43 100
58 0.0 30.4 45.6#
85 6.2 13.8 20.8#



#60
4-Bromofluorobenzene
Concen: 20.60 ug/l
RT: 12.348 min Scan# 3974
Delta R.T. 0.003 min
Lab File: VN066557.D
Acq: 9 Apr 2021 12:50

Tgt Ion: 95 Resp: 65440
Ion Ratio Lower Upper
95 100
174 90.2 68.1 102.1
176 85.6 65.4 98.0

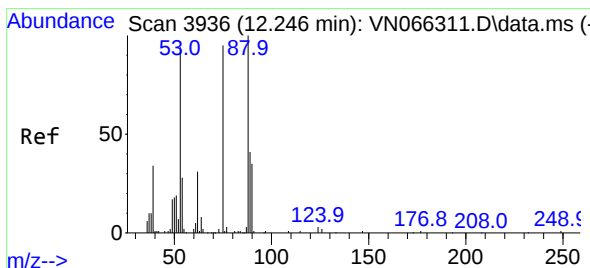
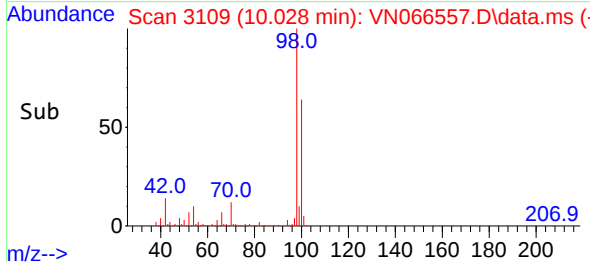
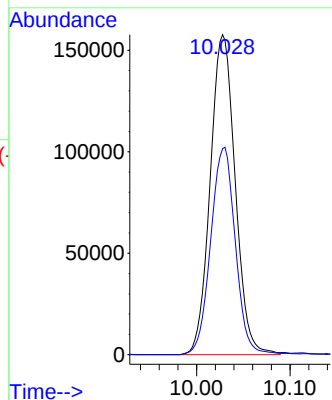
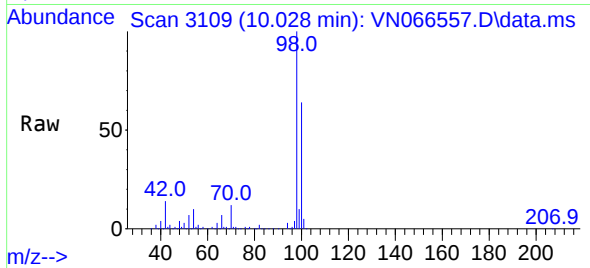




#63
Toluene-d8
Concen: 30.73 ug/l
RT: 10.028 min Scan# 3109
Delta R.T. -0.000 min
Lab File: VN066557.D
Acq: 9 Apr 2021 12:50

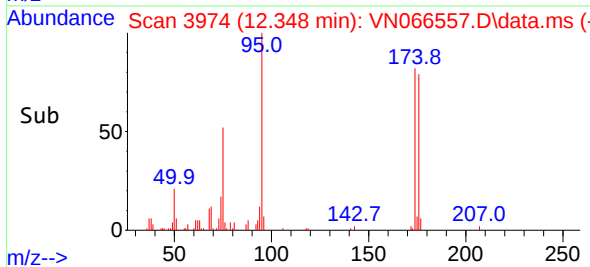
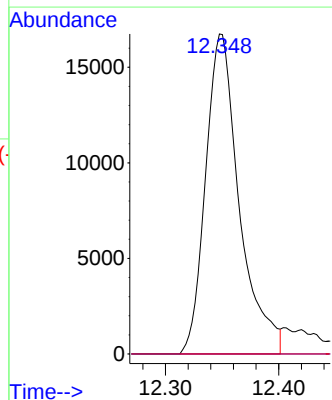
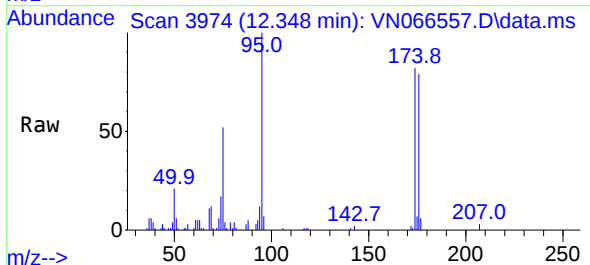
Instrument :
MSVOA_N
ClientSampleId :
ELEVATOR-PIT-STANDING-WATER

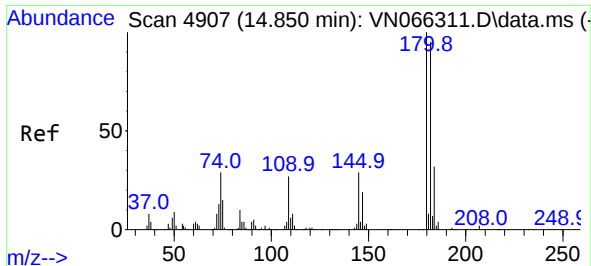
Tgt Ion: 98 Resp: 293633
Ion Ratio Lower Upper
98 100
100 63.8 51.1 76.7



#77
t-1,4-Dichloro-2-butene
Concen: 29.46 ug/l
RT: 12.348 min Scan# 3974
Delta R.T. 0.102 min
Lab File: VN066557.D
Acq: 9 Apr 2021 12:50

Tgt Ion: 75 Resp: 34615
Ion Ratio Lower Upper
75 100
53 0.0 49.6 149.0#
89 0.0 22.9 68.7#

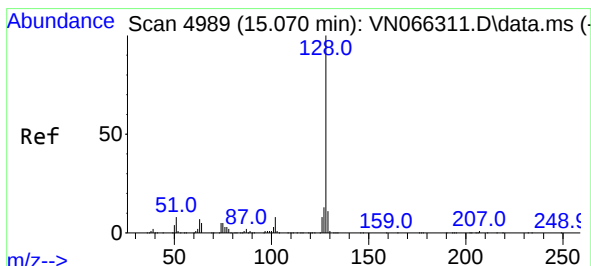
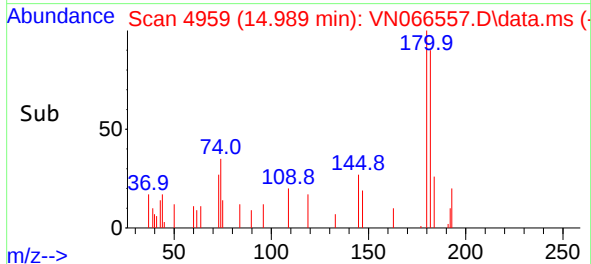
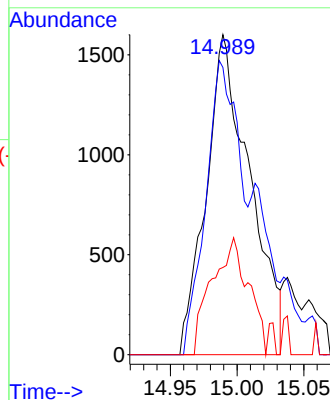
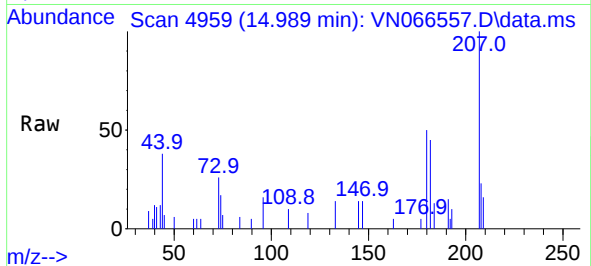




#89
1,2,4-Trichlorobenzene
Concen: 1.22 ug/l
RT: 14.989 min Scan# 4959
Delta R.T. 0.139 min
Lab File: VN066557.D
Acq: 9 Apr 2021 12:50

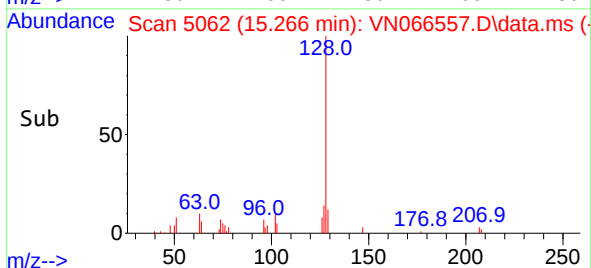
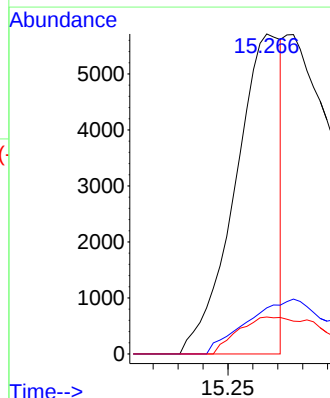
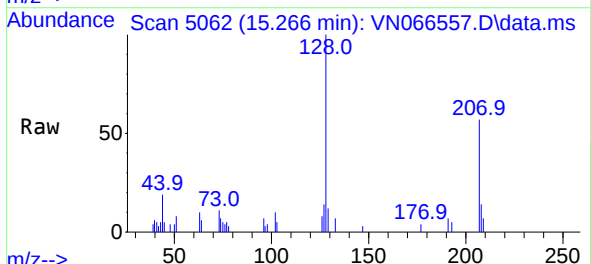
Instrument :
MSVOA_N
ClientSampleId :
ELEVATOR-PIT-STANDING-WATER

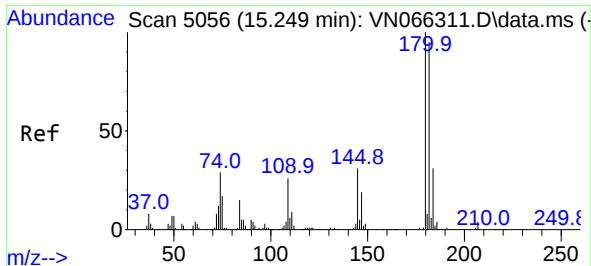
Tgt Ion:180 Resp: 3635
Ion Ratio Lower Upper
180 100
182 71.6 74.3 111.5#
145 24.6 23.4 35.0



#91
Naphthalene
Concen: 0.80 ug/l
RT: 15.266 min Scan# 5062
Delta R.T. 0.196 min
Lab File: VN066557.D
Acq: 9 Apr 2021 12:50

Tgt Ion:128 Resp: 7279
Ion Ratio Lower Upper
128 100
127 26.1 10.2 15.2#
129 14.8 8.6 13.0#





#92
 1,2,3-Trichlorobenzene
 Concen: 1.24 ug/l
 RT: 14.989 min Scan# 4959
 Delta R.T. -0.260 min
 Lab File: VN066557.D
 Acq: 9 Apr 2021 12:50

Instrument :
 MSVOA_N
 ClientSampleId :
 ELEVATOR-PIT-STANDING-WATER

Tgt Ion:	180	Resp:	3635
Ion	Ratio	Lower	Upper
180	100		
182	71.6	0.0	190.0
145	24.6	0.0	60.8

