

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN033021\
 Data File : VN066431.D
 Acq On : 30 Mar 2021 19:39
 Operator : JC/MD
 Sample : M1763-03
 Misc : 5.00mL/MSVOA_N/WATER
 ALS Vial : 18 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 EL-509-WATER-SAMPLE

Quant Time: Mar 31 02:55:50 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)

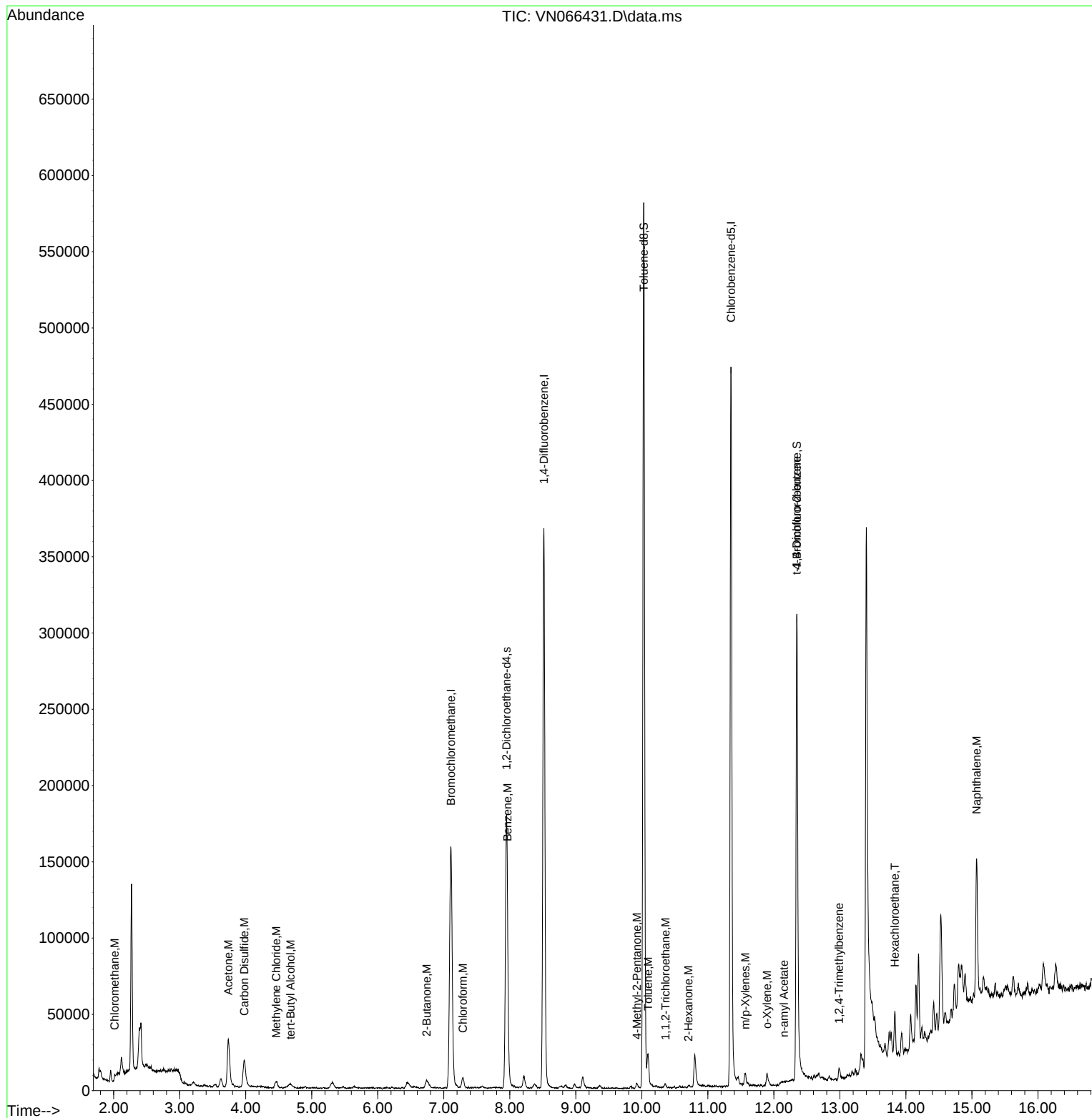
Internal Standards						
1) Bromochloromethane	7.110	128	63195	30.00	ug/l	0.00
28) 1,4-Difluorobenzene	8.515	114	324079	30.00	ug/l	0.00
57) Chlorobenzene-d5	11.350	117	283580	30.00	ug/l	0.00
System Monitoring Compounds						
27) 1,2-Dichloroethane-d4	7.949	65	142084	29.25	ug/l	0.00
Spiked Amount	30.000	Range	91 - 110	Recovery	=	97.50%
60) 4-Bromofluorobenzene	12.348	95	112354	25.39	ug/l	0.00
Spiked Amount	30.000	Range	63 - 112	Recovery	=	84.63%
63) Toluene-d8	10.028	98	399366	30.01	ug/l	0.00
Spiked Amount	30.000	Range	91 - 112	Recovery	=	100.03%
Target Compounds						Qvalue
3) Chloromethane	2.014	50	1681	0.38	ug/l	95
13) Acrolein	3.532	56	879	Below	Cal	97
15) Acetone	3.736	58	14214	23.36	ug/l	85
16) Carbon Disulfide	3.980	76	3064	0.34	ug/l #	76
18) Methylene Chloride	4.463	84	1913	0.49	ug/l #	77
23) tert-Butyl Alcohol	4.677	59	188	0.22	ug/l #	100
25) Chloroform	7.290	83	6717	0.95	ug/l	93
30) 2-Butanone	6.740	43	3632	1.28	ug/l #	68
34) Benzene	7.963	78	18970	1.28	ug/l #	1
47) n-amyl Acetate	12.152	43	107	6.15	ug/l	95
50) 1,1,2-Trichloroethane	10.358	97	1437	0.39	ug/l #	15
58) 4-Methyl-2-Pentanone	9.926	43	2700	0.48	ug/l #	57
59) 2-Hexanone	10.706	43	785	0.20	ug/l #	44
62) Toluene	10.095	91	13946	0.89	ug/l	96
67) m/p-Xylenes	11.567	106	2570	0.41	ug/l #	52
68) o-Xylene	11.897	106	2196	0.35	ug/l	75
77) t-1,4-Dichloro-2-butene	12.345	75	59622	36.42	ug/l #	10
80) 1,2,4-Trimethylbenzene	12.989	105	5544	0.43	ug/l	91
86) Hexachloroethane	13.831	117	1673	0.69	ug/l #	6
91) Naphthalene	15.070	128	87330	6.89	ug/l	99

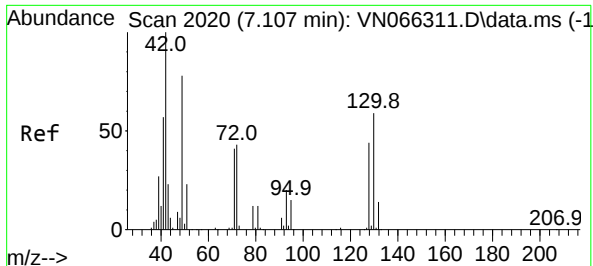
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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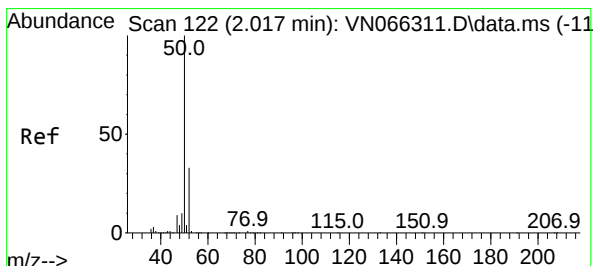
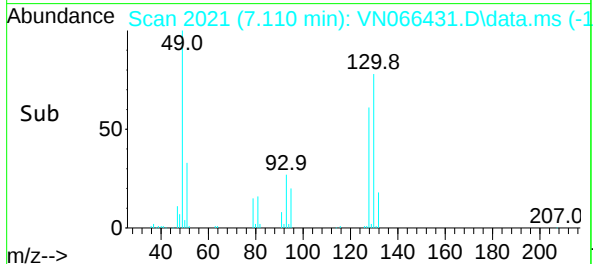
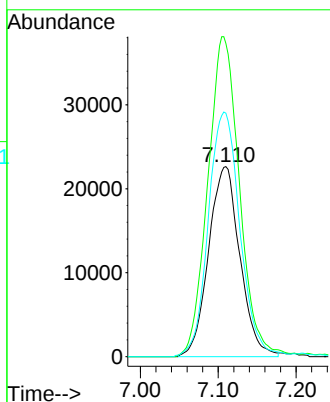
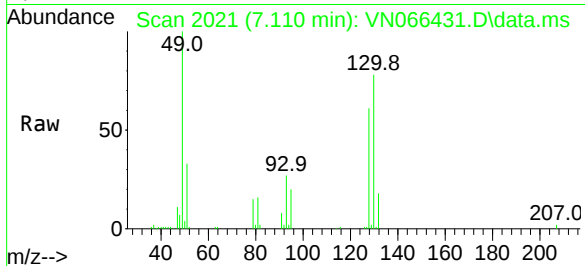




#1
Bromochloromethane
Concen: 30.00 ug/l
RT: 7.110 min Scan# 2021
Delta R.T. 0.003 min
Lab File: VN066431.D
Acq: 30 Mar 2021 19:39

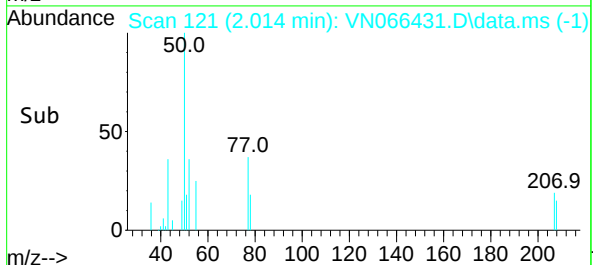
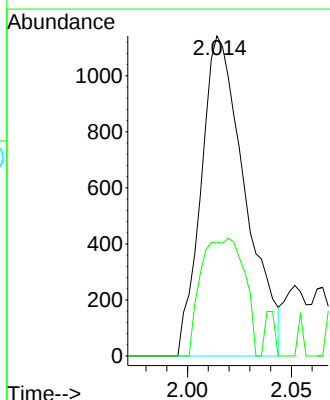
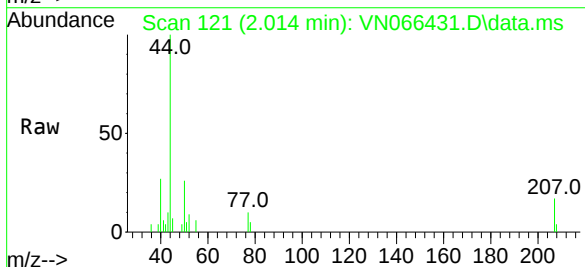
Instrument :
MSVOA_N
ClientSampleId :
EL-509-WATER-SAMPLE

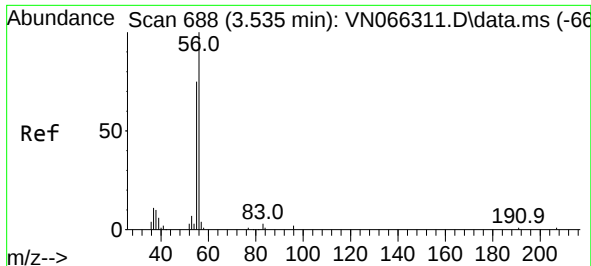
Tgt Ion	Ratio	Lower	Upper
128	100		
49	169.9	0.0	429.3
130	130.2	0.0	328.5



#3
Chloromethane
Concen: 0.38 ug/l
RT: 2.014 min Scan# 121
Delta R.T. -0.003 min
Lab File: VN066431.D
Acq: 30 Mar 2021 19:39

Tgt Ion	Ratio	Lower	Upper
50	100		
52	35.6	26.2	39.4

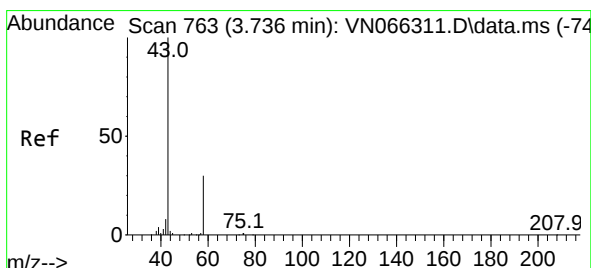
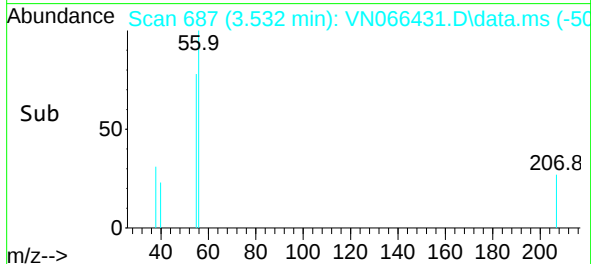
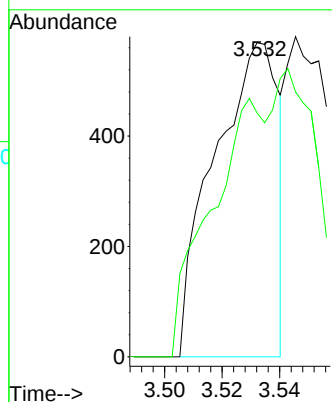
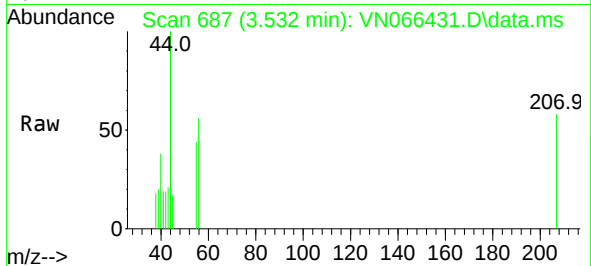




#13
Acrolein
Concen: Below Cal
RT: 3.532 min Scan# 687
Delta R.T. -0.003 min
Lab File: VN066431.D
Acq: 30 Mar 2021 19:39

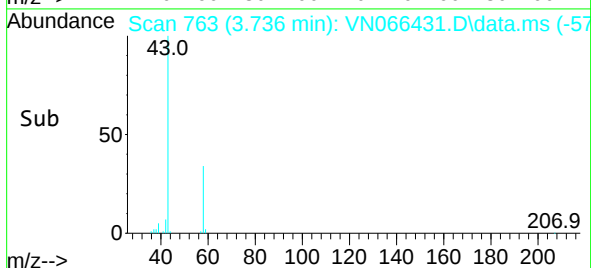
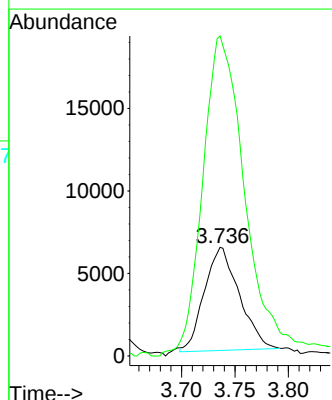
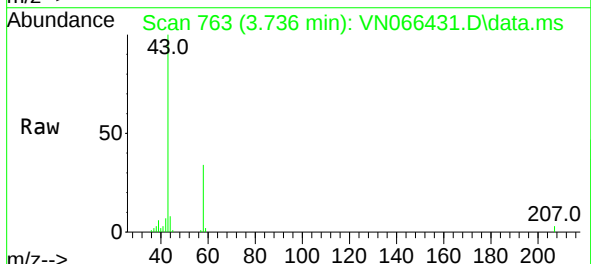
Instrument :
MSVOA_N
ClientSampleId :
EL-509-WATER-SAMPLE

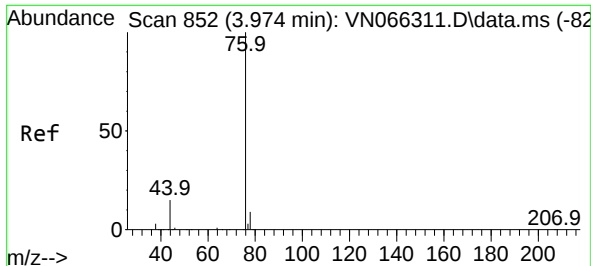
Tgt Ion: 56 Resp: 879
Ion Ratio Lower Upper
56 100
55 70.0 54.1 81.1



#15
Acetone
Concen: 23.36 ug/l
RT: 3.736 min Scan# 763
Delta R.T. -0.000 min
Lab File: VN066431.D
Acq: 30 Mar 2021 19:39

Tgt Ion: 58 Resp: 14214
Ion Ratio Lower Upper
58 100
43 302.9 267.3 400.9

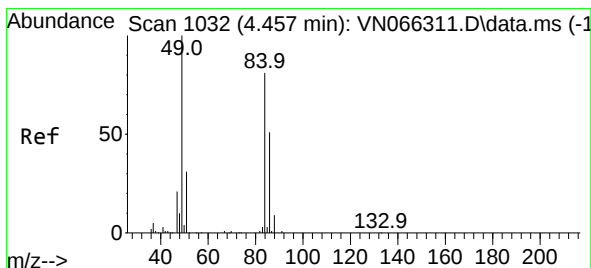
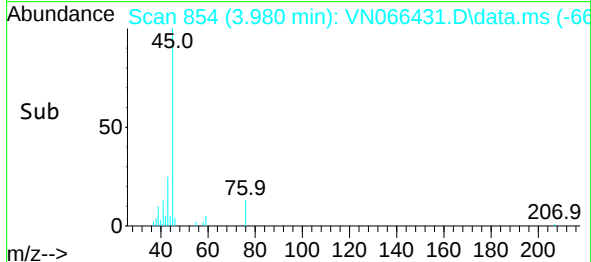
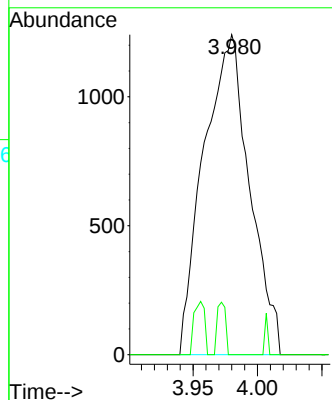
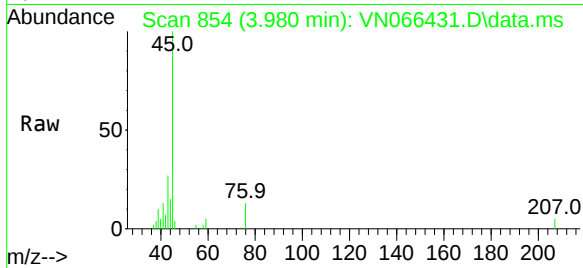




#16
Carbon Disulfide
Concen: 0.34 ug/l
RT: 3.980 min Scan# 854
Delta R.T. 0.006 min
Lab File: VN066431.D
Acq: 30 Mar 2021 19:39

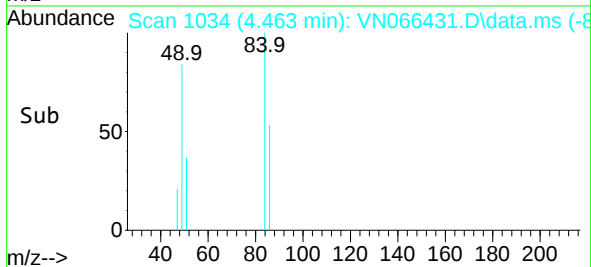
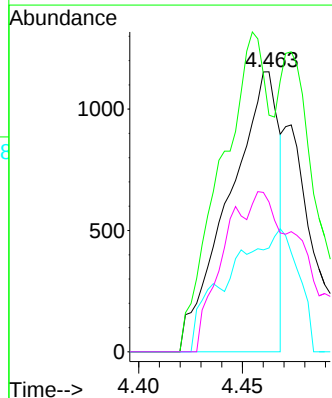
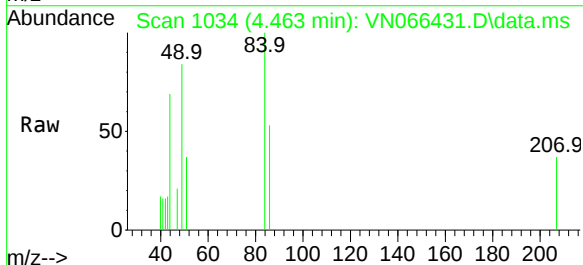
Instrument :
MSVOA_N
ClientSampleId :
EL-509-WATER-SAMPLE

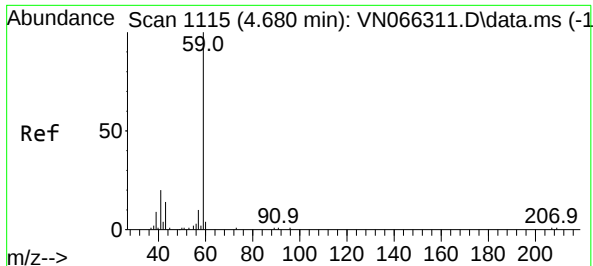
Tgt Ion: 76 Resp: 3064
Ion Ratio Lower Upper
76 100
78 0.0 7.0 10.6#



#18
Methylene Chloride
Concen: 0.49 ug/l
RT: 4.463 min Scan# 1034
Delta R.T. 0.006 min
Lab File: VN066431.D
Acq: 30 Mar 2021 19:39

Tgt Ion: 84 Resp: 1913
Ion Ratio Lower Upper
84 100
49 84.5 98.9 148.3#
51 37.1 30.8 46.2
86 53.5 51.0 76.4

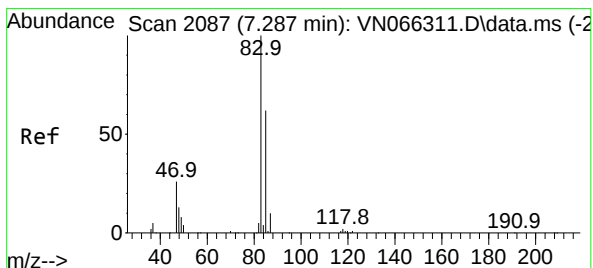
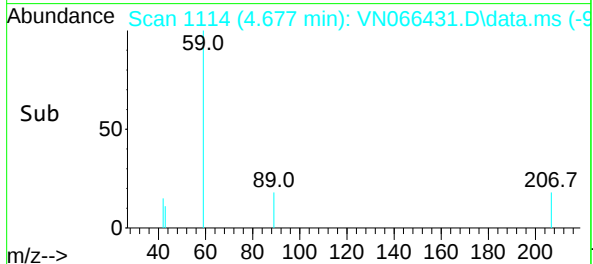
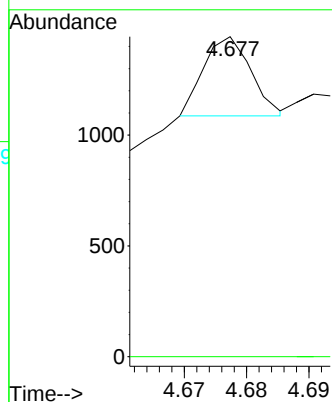
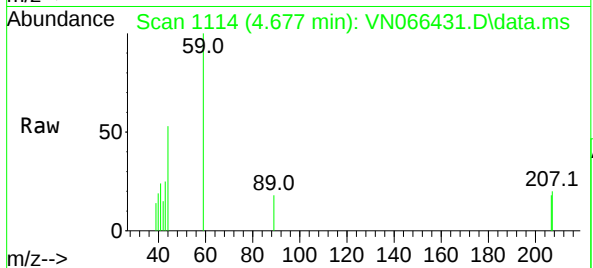




#23
tert-Butyl Alcohol
Concen: 0.22 ug/l
RT: 4.677 min Scan# 1114
Delta R.T. -0.003 min
Lab File: VN066431.D
Acq: 30 Mar 2021 19:39

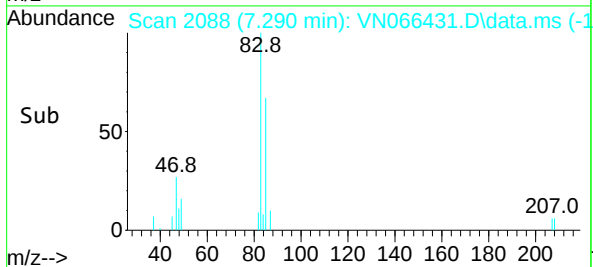
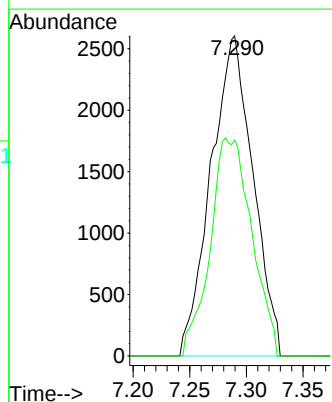
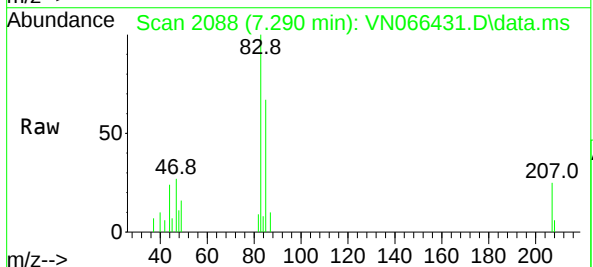
Instrument :
MSVOA_N
ClientSampleId :
EL-509-WATER-SAMPLE

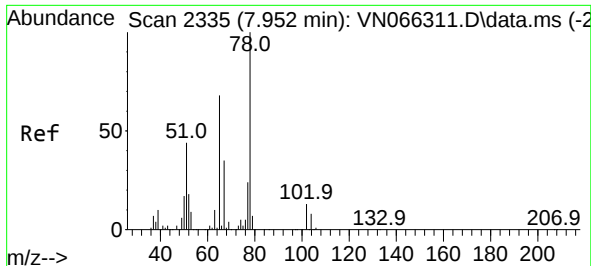
Tgt Ion: 59 Resp: 188
Ion Ratio Lower Upper
59 100
52 0.0 0.1 0.1#



#25
Chloroform
Concen: 0.95 ug/l
RT: 7.290 min Scan# 2088
Delta R.T. 0.003 min
Lab File: VN066431.D
Acq: 30 Mar 2021 19:39

Tgt Ion: 83 Resp: 6717
Ion Ratio Lower Upper
83 100
85 67.5 49.4 74.2





#27

1,2-Dichloroethane-d4

Concen: 29.25 ug/l

RT: 7.949 min Scan# 2334

Delta R.T. -0.003 min

Lab File: VN066431.D

Acq: 30 Mar 2021 19:39

Tgt Ion: 65 Resp: 142084

Ion Ratio Lower Upper

65 100

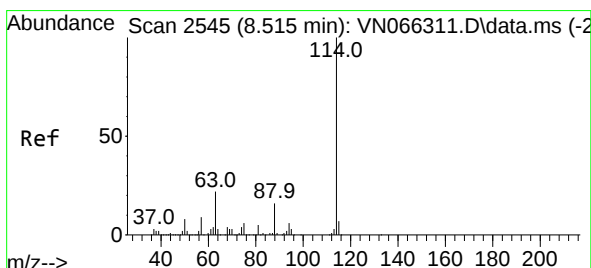
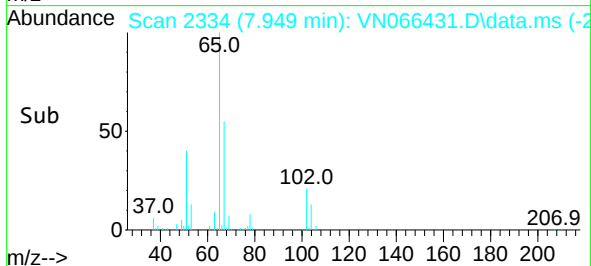
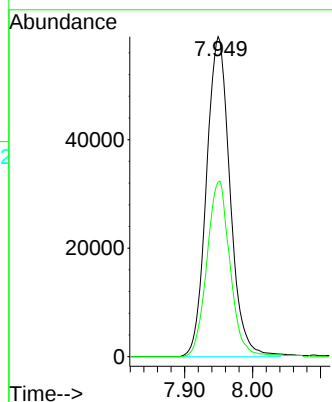
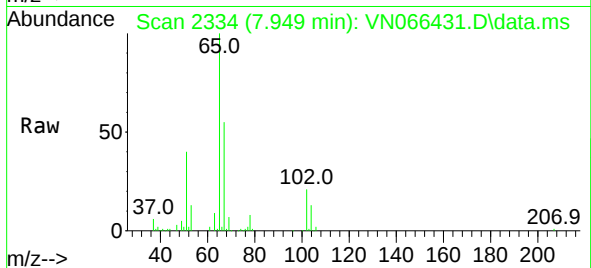
67 53.4 42.2 63.4

Instrument :

MSVOA_N

ClientSampleId :

EL-509-WATER-SAMPLE



#28

1,4-Difluorobenzene

Concen: 30.00 ug/l

RT: 8.515 min Scan# 2545

Delta R.T. 0.000 min

Lab File: VN066431.D

Acq: 30 Mar 2021 19:39

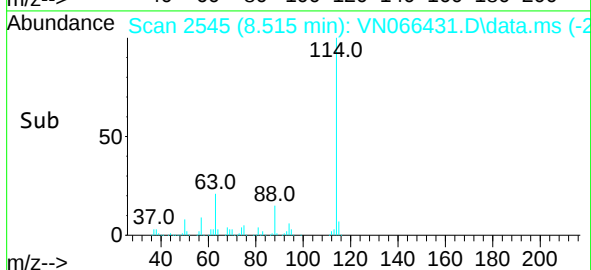
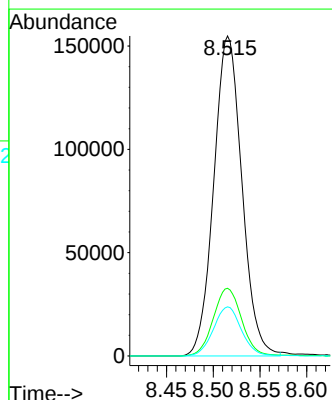
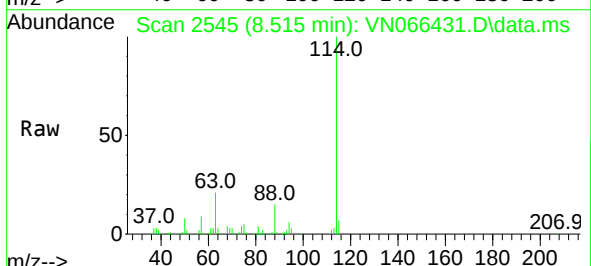
Tgt Ion: 114 Resp: 324079

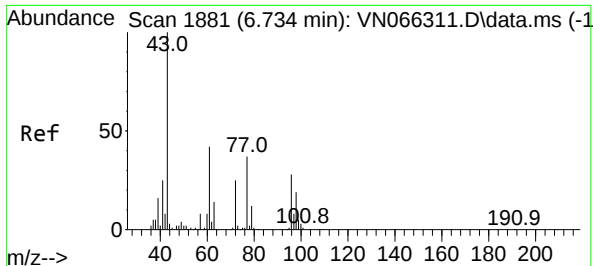
Ion Ratio Lower Upper

114 100

63 21.4 17.4 26.0

88 15.3 12.6 19.0

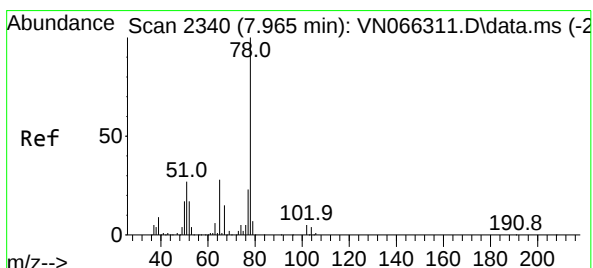
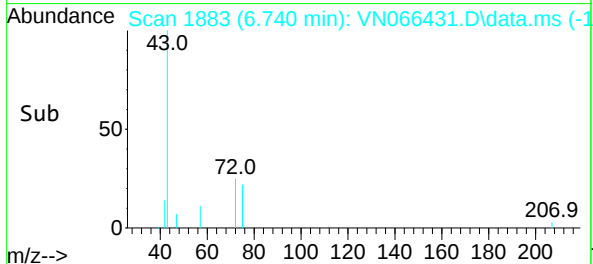
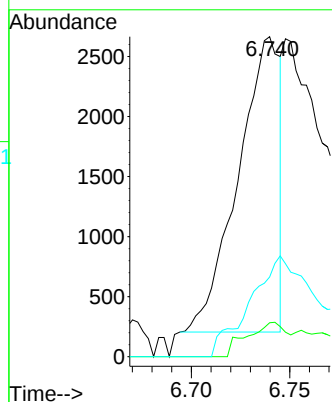
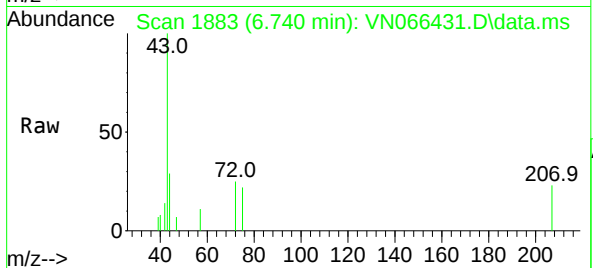




#30
2-Butanone
Concen: 1.28 ug/l
RT: 6.740 min Scan# 1883
Delta R.T. 0.006 min
Lab File: VN066431.D
Acq: 30 Mar 2021 19:39

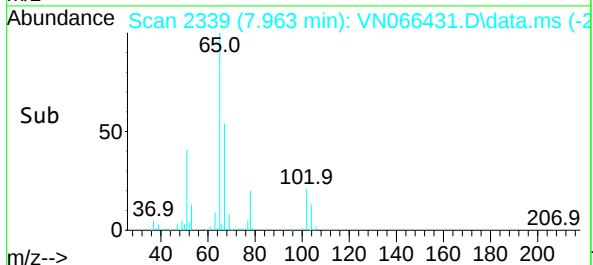
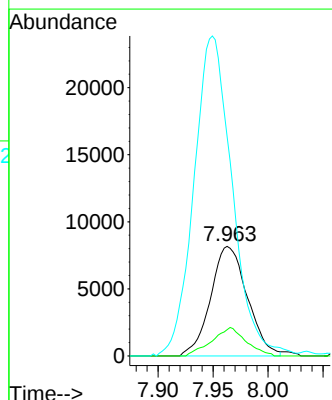
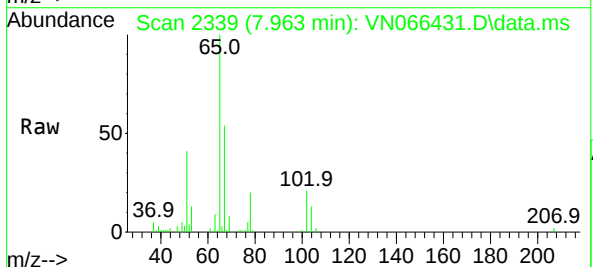
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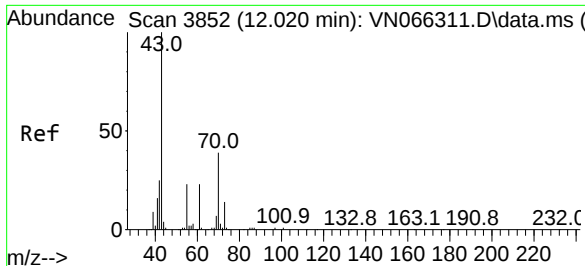
Tgt Ion: 43 Resp: 3632
Ion Ratio Lower Upper
43 100
57 4.2 6.9 10.3#
72 45.7 20.9 31.3#



#34
Benzene
Concen: 1.28 ug/l
RT: 7.963 min Scan# 2339
Delta R.T. -0.002 min
Lab File: VN066431.D
Acq: 30 Mar 2021 19:39

Tgt Ion: 78 Resp: 18970
Ion Ratio Lower Upper
78 100
77 24.0 18.6 27.8
51 192.8 21.9 32.9#

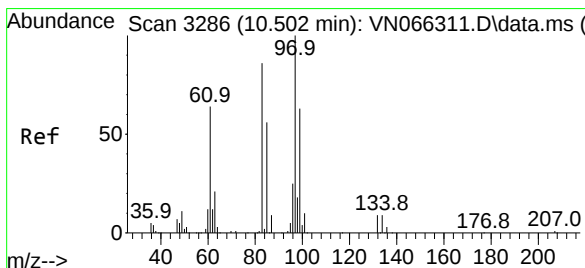
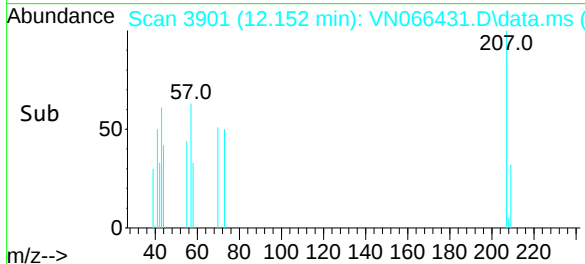
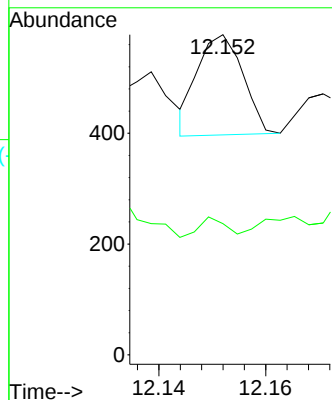
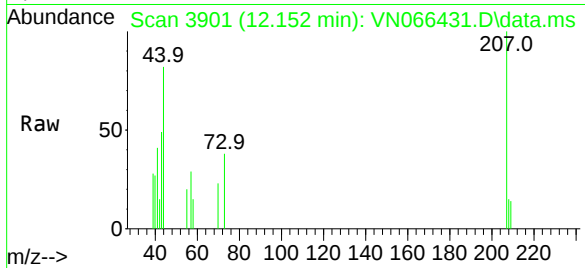




#47
n-amy1 Acetate
Concen: 6.15 ug/l
RT: 12.152 min Scan# 3901
Delta R.T. 0.132 min
Lab File: VN066431.D
Acq: 30 Mar 2021 19:39

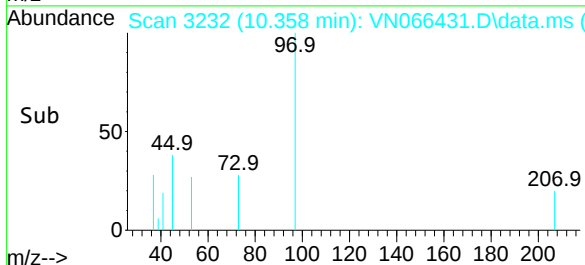
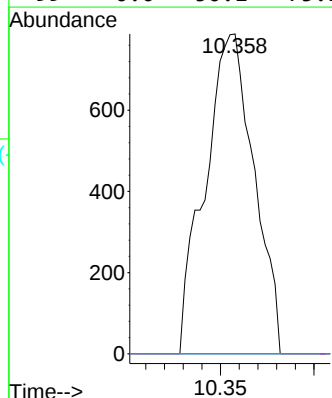
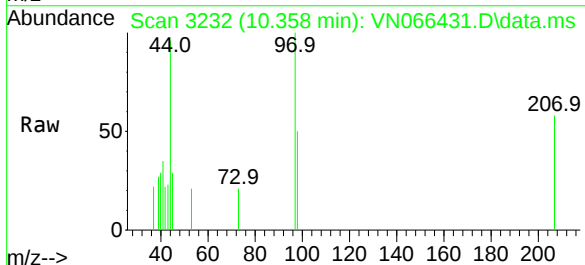
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EL-509-WATER-SAMPLE

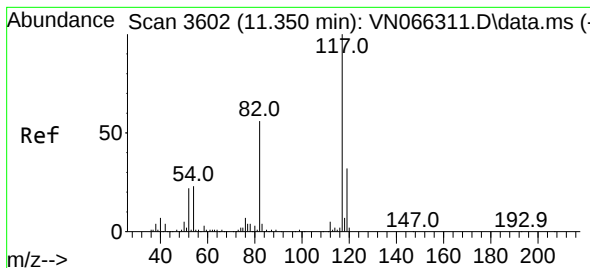
Tgt Ion: 43 Resp: 107
Ion Ratio Lower Upper
43 100
55 19.6 17.7 26.5



#50
1,1,2-Trichloroethane
Concen: 0.39 ug/l
RT: 10.358 min Scan# 3232
Delta R.T. -0.144 min
Lab File: VN066431.D
Acq: 30 Mar 2021 19:39

Tgt Ion: 97 Resp: 1437
Ion Ratio Lower Upper
97 100
83 0.0 68.8 103.2#
85 0.0 44.8 67.2#
99 0.0 50.1 75.1#

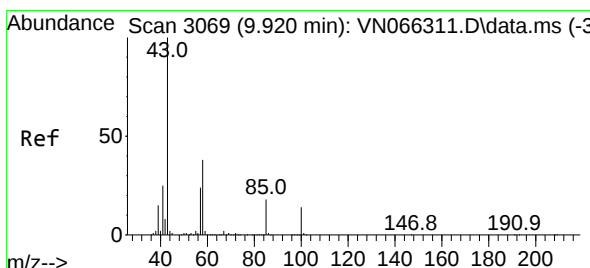
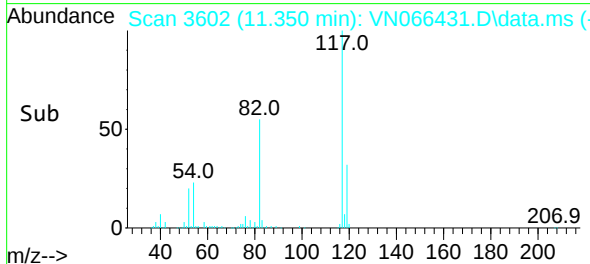
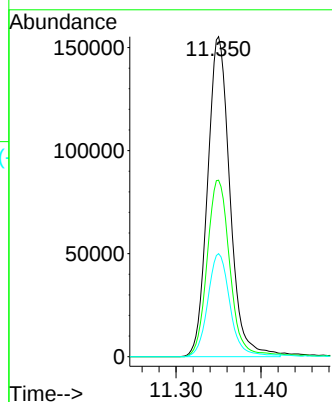
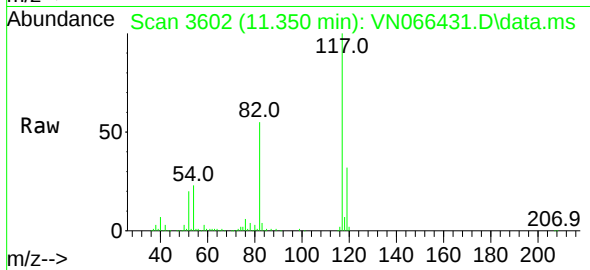




#57
Chlorobenzene-d5
Concen: 30.00 ug/l
RT: 11.350 min Scan# 3602
Delta R.T. 0.000 min
Lab File: VN066431.D
Acq: 30 Mar 2021 19:39

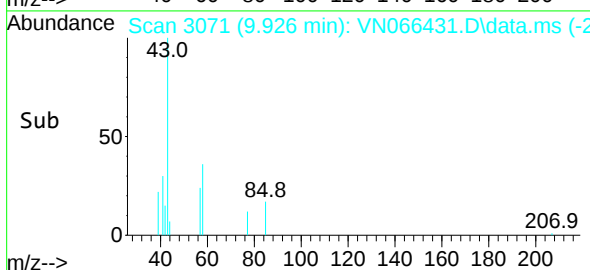
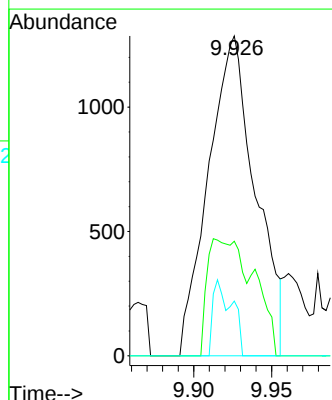
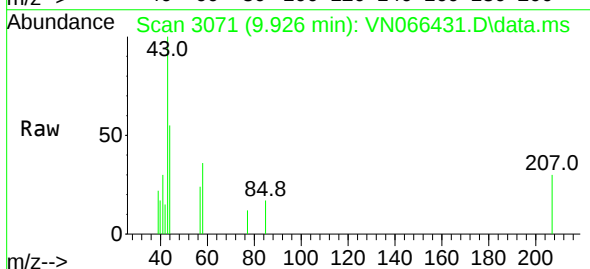
Instrument :
MSVOA_N
ClientSampleId :
EL-509-WATER-SAMPLE

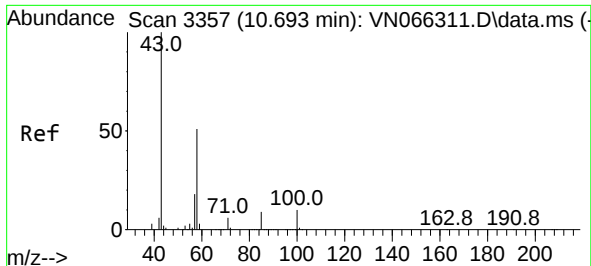
Tgt Ion:117 Resp: 283580
Ion Ratio Lower Upper
117 100
82 56.0 45.0 67.6
119 31.9 25.5 38.3



#58
4-Methyl-2-Pentanone
Concen: 0.48 ug/l
RT: 9.926 min Scan# 3071
Delta R.T. 0.006 min
Lab File: VN066431.D
Acq: 30 Mar 2021 19:39

Tgt Ion: 43 Resp: 2700
Ion Ratio Lower Upper
43 100
58 9.3 30.4 45.6#
85 3.6 13.8 20.8#

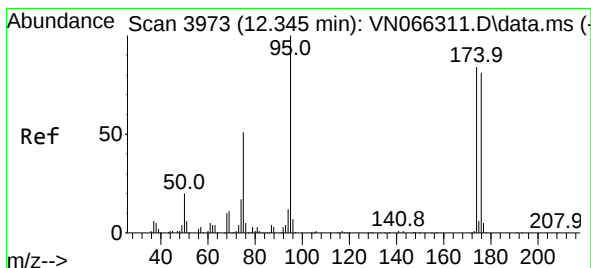
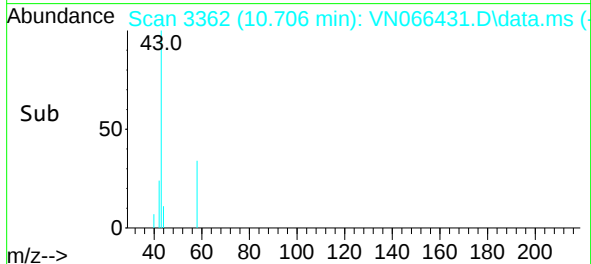
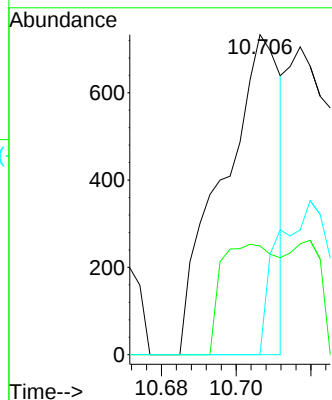
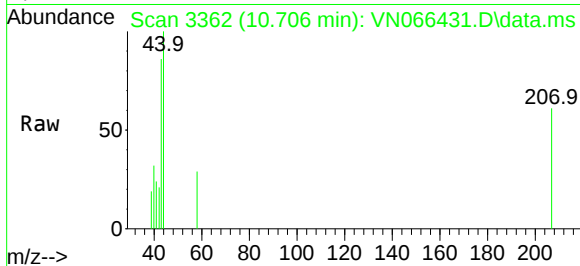




#59
2-Hexanone
Concen: 0.20 ug/l
RT: 10.706 min Scan# 3362
Delta R.T. 0.013 min
Lab File: VN066431.D
Acq: 30 Mar 2021 19:39

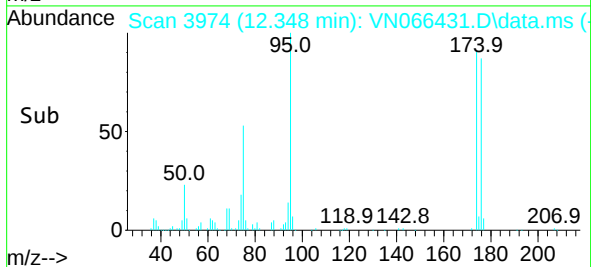
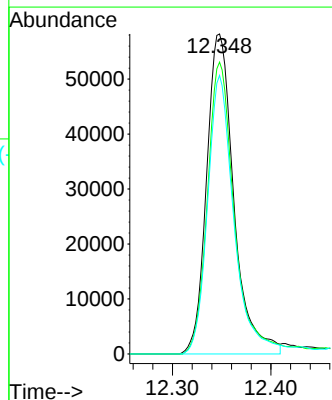
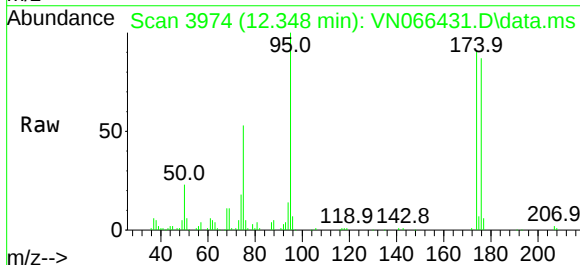
Instrument :
MSVOA_N
ClientSampleId :
EL-509-WATER-SAMPLE

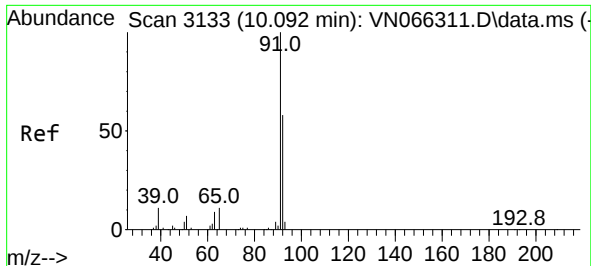
Tgt Ion: 43 Resp: 785
Ion Ratio Lower Upper
43 100
58 0.0 41.8 62.6#
57 16.2 14.9 22.3



#60
4-Bromofluorobenzene
Concen: 25.39 ug/l
RT: 12.348 min Scan# 3974
Delta R.T. 0.003 min
Lab File: VN066431.D
Acq: 30 Mar 2021 19:39

Tgt Ion: 95 Resp: 112354
Ion Ratio Lower Upper
95 100
174 90.1 68.1 102.1
176 84.3 65.4 98.0

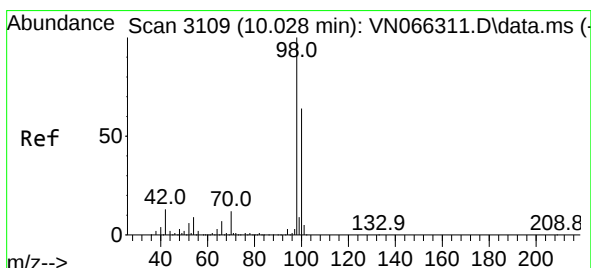
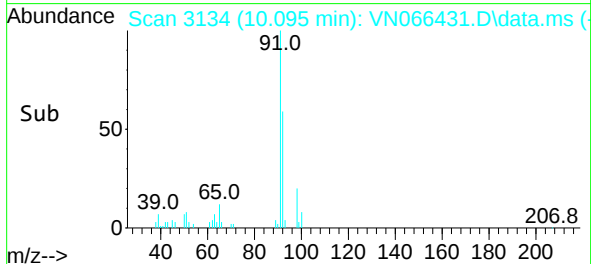
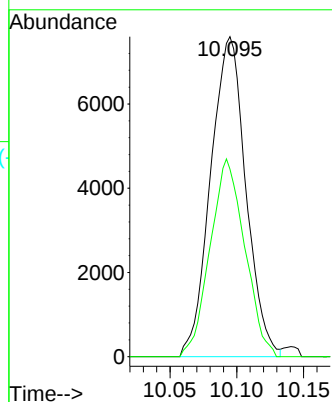
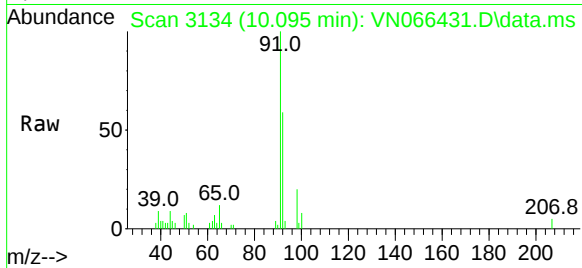




#62
Toluene
Concen: 0.89 ug/l
RT: 10.095 min Scan# 3134
Delta R.T. 0.003 min
Lab File: VN066431.D
Acq: 30 Mar 2021 19:39

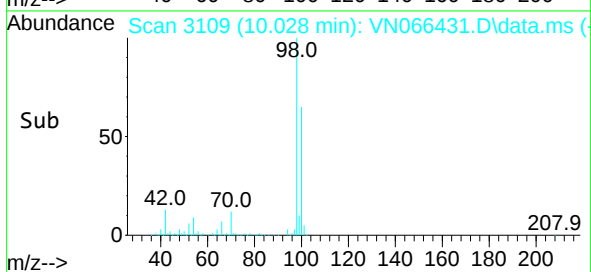
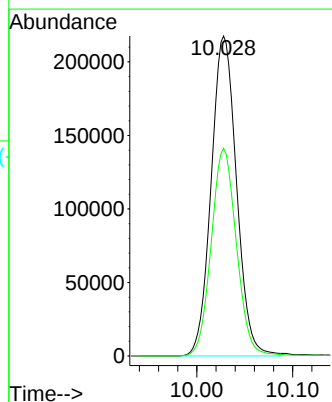
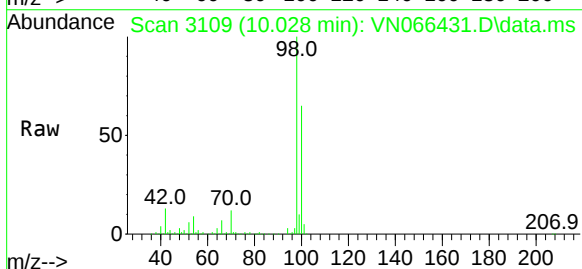
Instrument :
MSVOA_N
ClientSampleId :
EL-509-WATER-SAMPLE

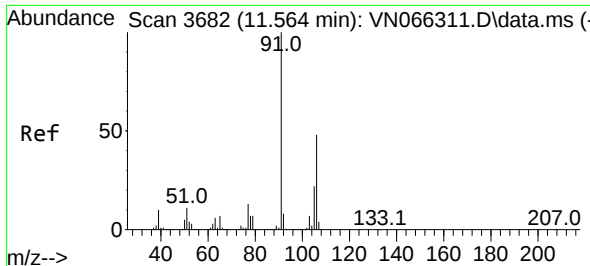
Tgt Ion: 91 Resp: 13946
Ion Ratio Lower Upper
91 100
92 60.7 46.2 69.2



#63
Toluene-d8
Concen: 30.01 ug/l
RT: 10.028 min Scan# 3109
Delta R.T. -0.000 min
Lab File: VN066431.D
Acq: 30 Mar 2021 19:39

Tgt Ion: 98 Resp: 399366
Ion Ratio Lower Upper
98 100
100 64.5 51.1 76.7

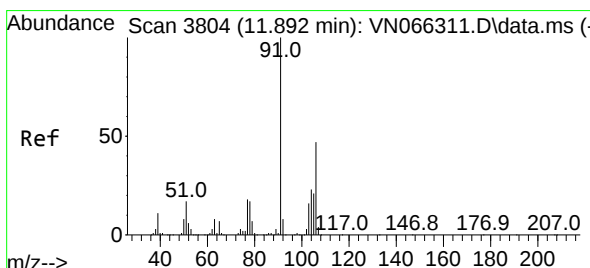
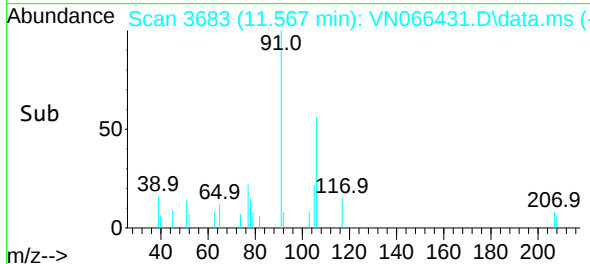
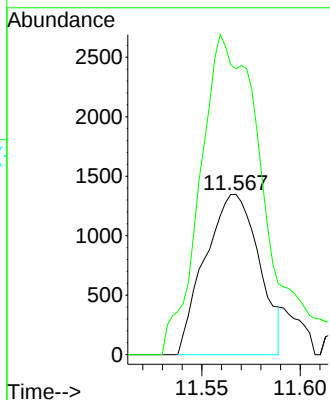
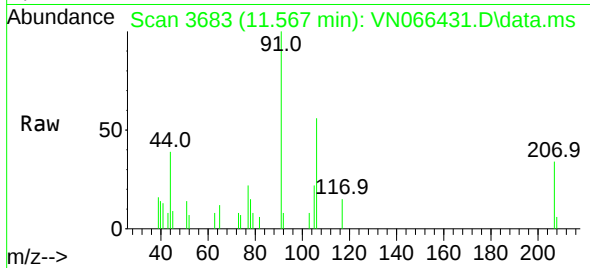




#67
m/p-Xylenes
Concen: 0.41 ug/l
RT: 11.567 min Scan# 3683
Delta R.T. 0.003 min
Lab File: VN066431.D
Acq: 30 Mar 2021 19:39

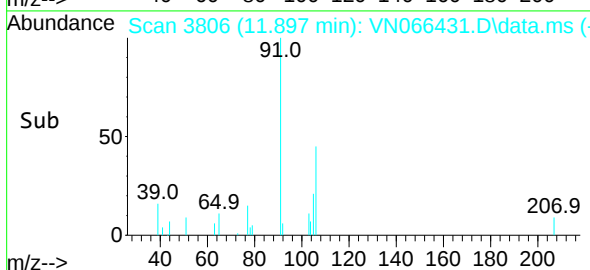
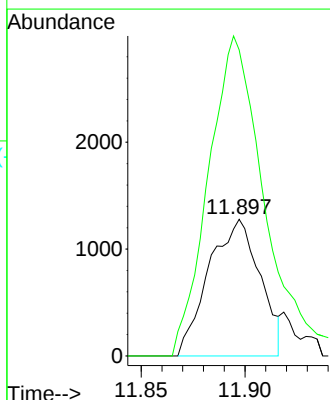
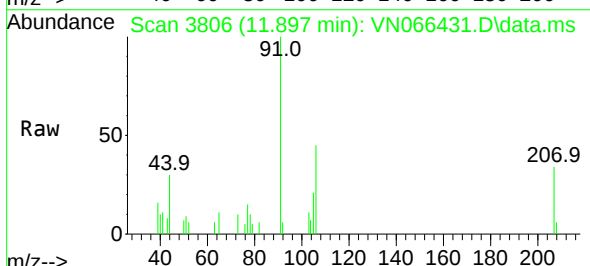
Instrument :
MSVOA_N
ClientSampleId :
EL-509-WATER-SAMPLE

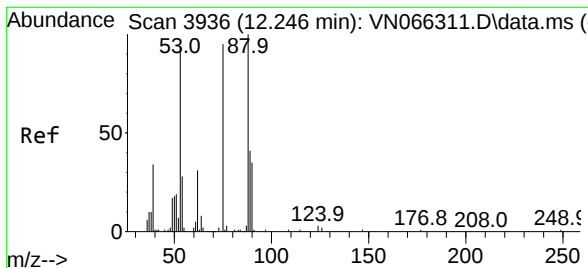
Tgt Ion:106 Resp: 2570
Ion Ratio Lower Upper
106 100
91 131.2 164.8 247.2#



#68
o-Xylene
Concen: 0.35 ug/l
RT: 11.897 min Scan# 3806
Delta R.T. 0.005 min
Lab File: VN066431.D
Acq: 30 Mar 2021 19:39

Tgt Ion:106 Resp: 2196
Ion Ratio Lower Upper
106 100
91 254.5 107.1 321.4

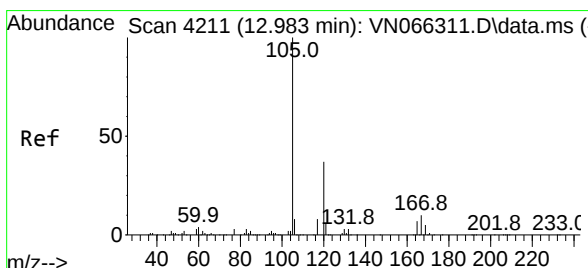
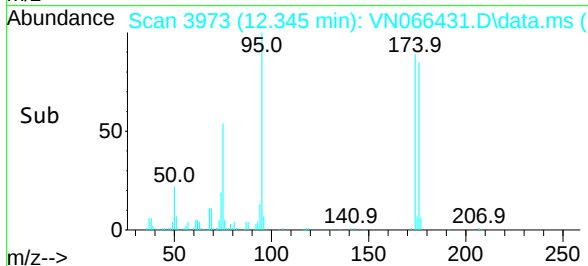
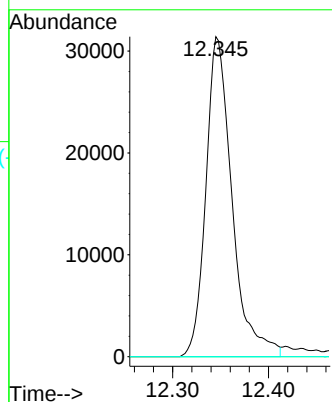
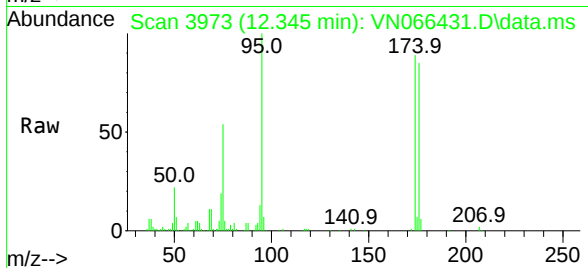




#77
t-1,4-Dichloro-2-butene
Concen: 36.42 ug/l
RT: 12.345 min Scan# 3973
Delta R.T. 0.099 min
Lab File: VN066431.D
Acq: 30 Mar 2021 19:39

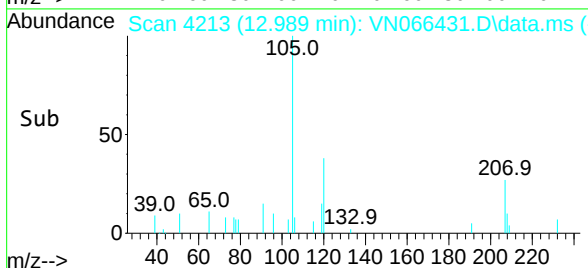
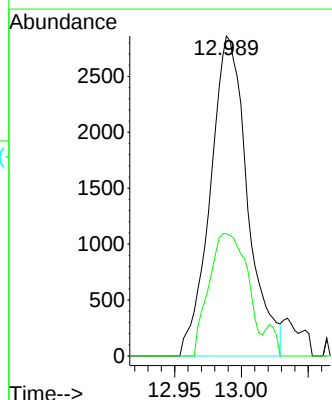
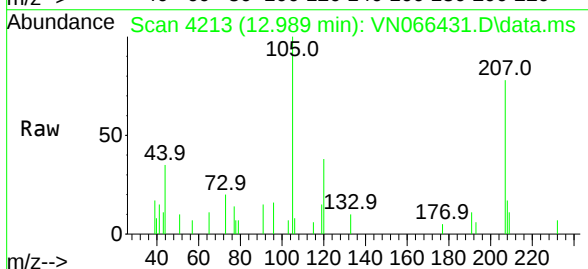
Instrument :
MSVOA_N
ClientSampleId :
EL-509-WATER-SAMPLE

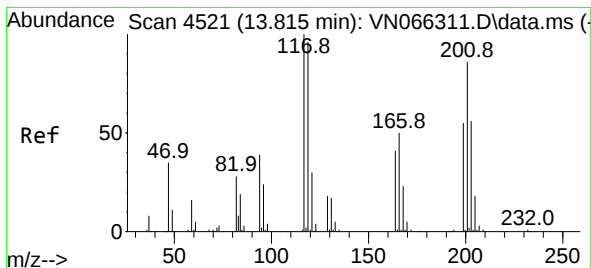
Tgt Ion: 75 Resp: 59622
Ion Ratio Lower Upper
75 100
53 0.0 49.6 149.0#
89 0.0 22.9 68.7#



#80
1,2,4-Trimethylbenzene
Concen: 0.43 ug/l
RT: 12.989 min Scan# 4213
Delta R.T. 0.006 min
Lab File: VN066431.D
Acq: 30 Mar 2021 19:39

Tgt Ion: 105 Resp: 5544
Ion Ratio Lower Upper
105 100
120 39.6 0.0 90.6

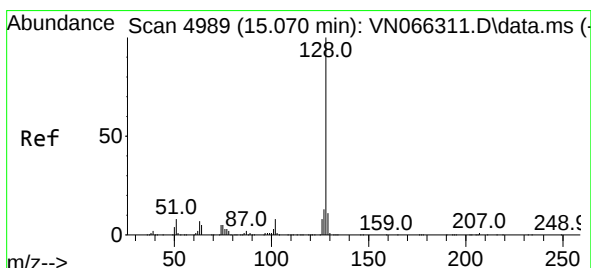
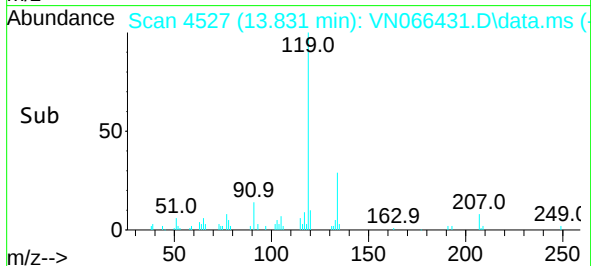
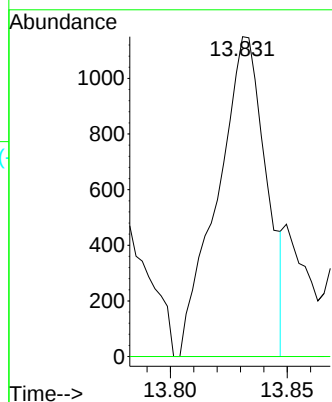
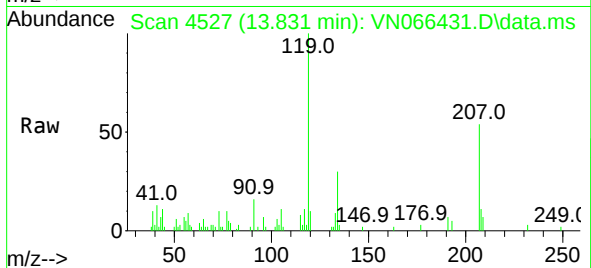




#86
Hexachloroethane
Concen: 0.69 ug/l
RT: 13.831 min Scan# 4527
Delta R.T. 0.016 min
Lab File: VN066431.D
Acq: 30 Mar 2021 19:39

Instrument :
MSVOA_N
ClientSampleId :
EL-509-WATER-SAMPLE

Tgt Ion:117 Resp: 1673
Ion Ratio Lower Upper
117 100
201 0.0 43.3 129.8#



#91
Naphthalene
Concen: 6.89 ug/l
RT: 15.070 min Scan# 4989
Delta R.T. 0.000 min
Lab File: VN066431.D
Acq: 30 Mar 2021 19:39

Tgt Ion:128 Resp: 87330
Ion Ratio Lower Upper
128 100
127 12.9 10.2 15.2
129 10.3 8.6 13.0

