

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN080822\
 Data File : VN073774.D
 Acq On : 08 Aug 2022 16:50
 Operator : JC\MD
 Sample : N4079-02 5X
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 EFF-WW

Quant Time: Aug 09 00:28:39 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\624N072722W.M
 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
 QLast Update : Wed Jul 27 18:07:26 2022
 Response via : Initial Calibration

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

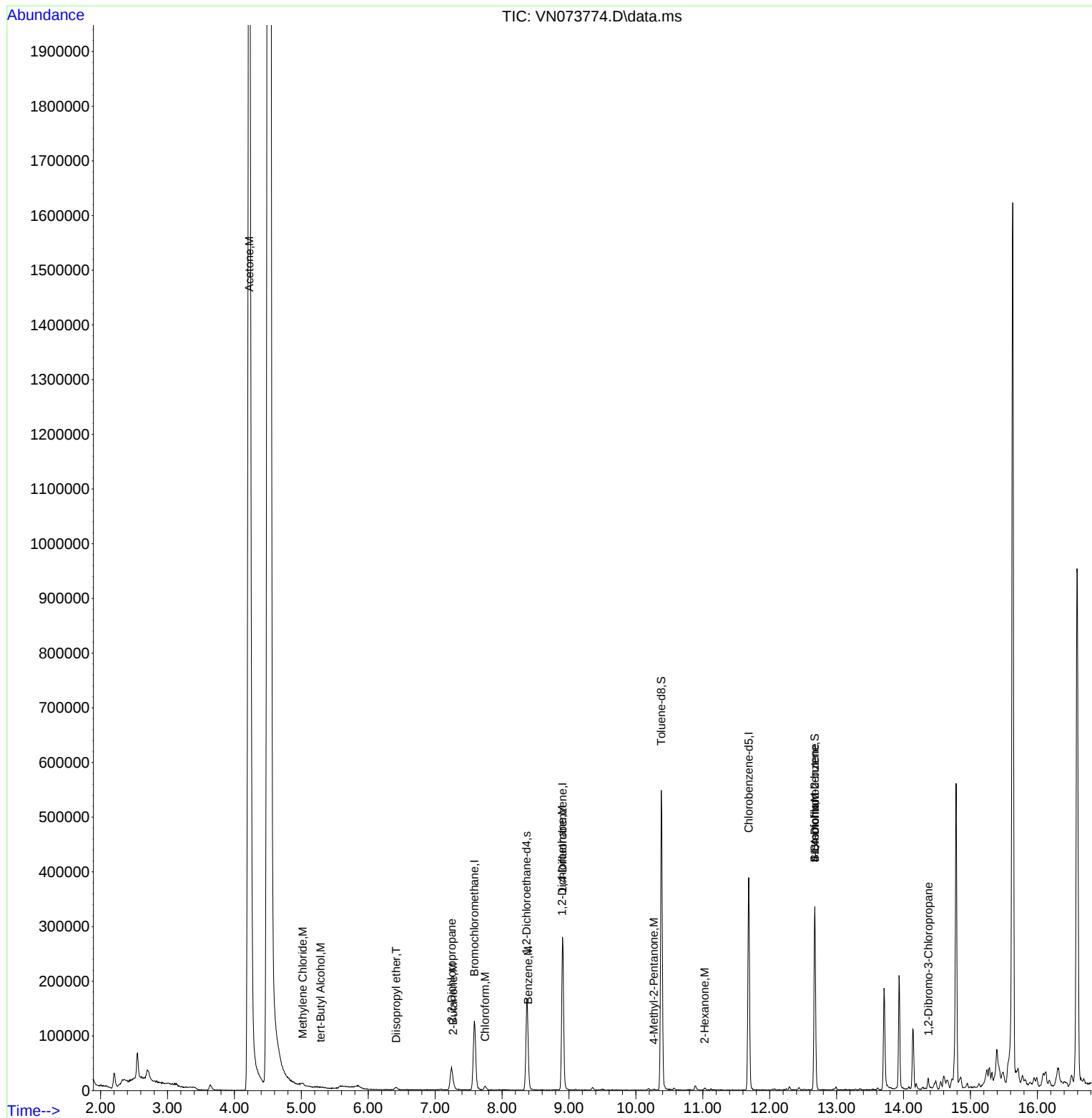
Internal Standards						
1) Bromochloromethane	7.586	128	49346	30.000	ug/l	0.00
28) 1,4-Difluorobenzene	8.904	114	250996	30.000	ug/l	0.00
57) Chlorobenzene-d5	11.686	117	231387	30.000	ug/l	0.00
System Monitoring Compounds						
27) 1,2-Dichloroethane-d4	8.369	65	135483	31.755	ug/l	0.00
Spiked Amount	30.000	Range	91 - 110	Recovery	=	105.833%
60) 4-Bromofluorobenzene	12.674	95	109685	26.772	ug/l	0.00
Spiked Amount	30.000	Range	63 - 112	Recovery	=	89.233%
63) Toluene-d8	10.380	98	374828	28.769	ug/l	0.00
Spiked Amount	30.000	Range	91 - 112	Recovery	=	95.900%
Target Compounds						
					Qvalue	
15) Acetone	4.222	58	1704048	2529.526	ug/l	91
18) Methylene Chloride	5.022	84	1269	0.324	ug/l #	63
20) Diisopropyl ether	6.416	45	4826	0.431	ug/l #	80
23) tert-Butyl Alcohol	5.287	59	604	0.705	ug/l #	100
25) Chloroform	7.745	83	7033	1.030	ug/l	89
30) 2-Butanone	7.269	43	11373	3.508	ug/l #	94
31) 2,2-Dichloropropane	7.245	77	2902	0.593	ug/l #	53
34) Benzene	8.392	78	7891	0.520	ug/l #	1
36) 1,2-Dichloroethane	8.898	62	8598	1.718	ug/l #	77
56) Bromoform	12.674	173	1178	0.380	ug/l #	1
58) 4-Methyl-2-Pentanone	10.269	43	1725	0.288	ug/l #	69
59) 2-Hexanone	11.027	43	1287	0.279	ug/l #	33
77) t-1,4-Dichloro-2-butene	12.674	75	53988	30.214	ug/l #	8
88) 1,2-Dibromo-3-Chloropr...	14.374	75	319	0.249	ug/l #	5

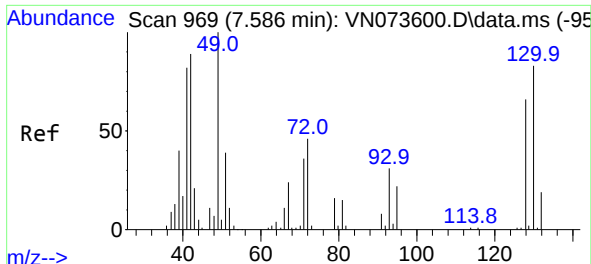
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN080822\
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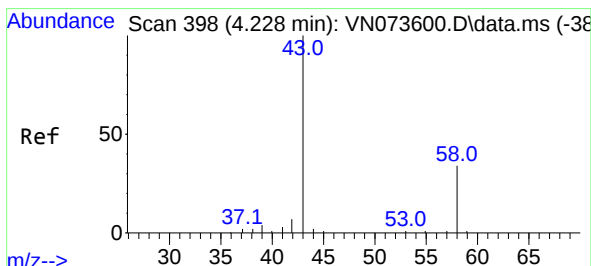
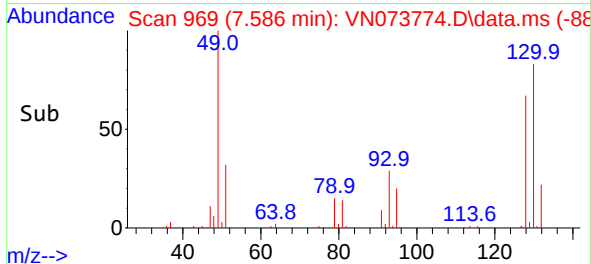
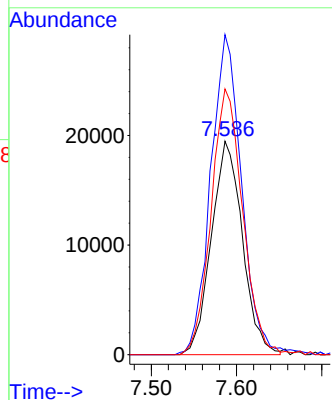
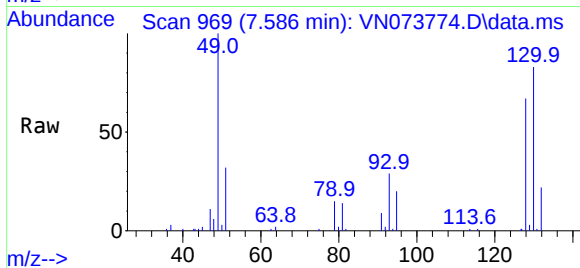




#1
Bromochloromethane
Concen: 30.000 ug/l
RT: 7.586 min Scan# 90
Delta R.T. 0.000 min
Lab File: VN073774.D
Acq: 08 Aug 2022 16:50

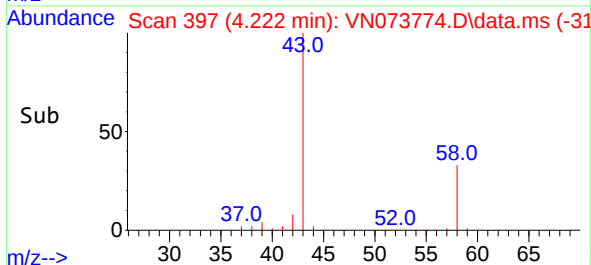
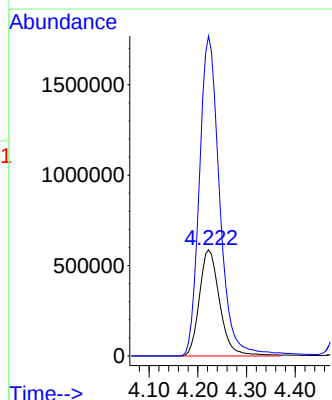
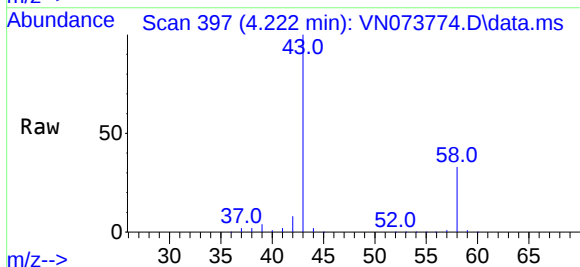
Instrument :
MSVOA_N
ClientSampleId :
EFF-WW

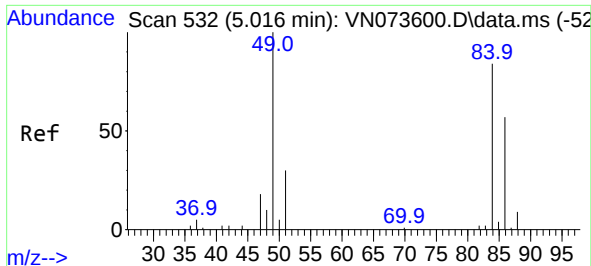
Tgt Ion:128 Resp: 49346
Ion Ratio Lower Upper
128 100
49 147.6 0.0 392.3
130 126.2 0.0 320.2



#15
Acetone
Concen: 2529.526 ug/l
RT: 4.222 min Scan# 397
Delta R.T. -0.006 min
Lab File: VN073774.D
Acq: 08 Aug 2022 16:50

Tgt Ion: 58 Resp: 1704048
Ion Ratio Lower Upper
58 100
43 301.2 256.6 384.8



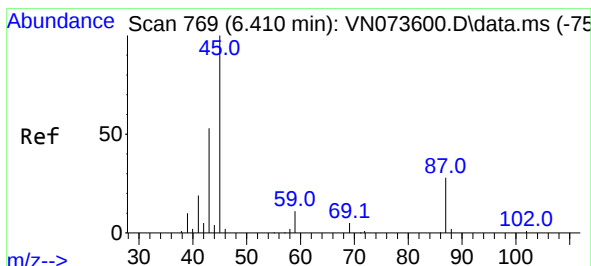
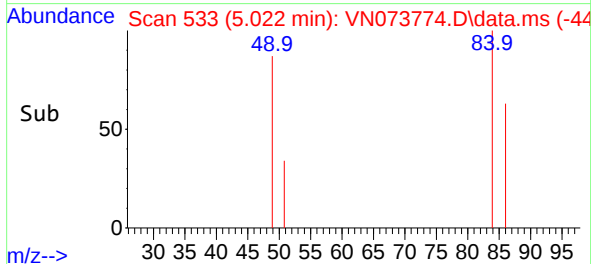
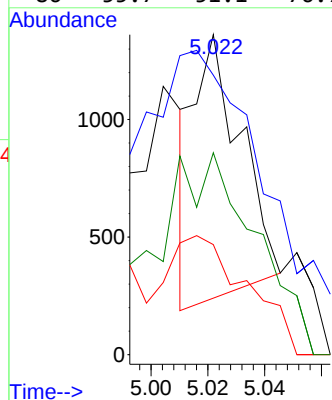
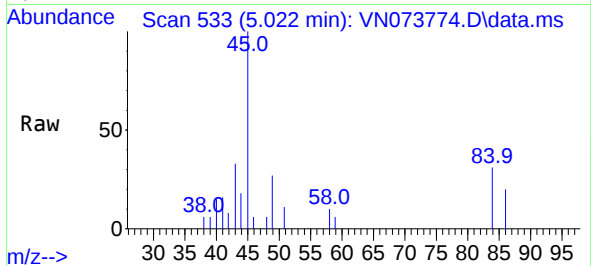


#18
Methylene Chloride
Concen: 0.324 ug/l
RT: 5.022 min Scan# 51
Delta R.T. 0.006 min
Lab File: VN073774.D
Acq: 08 Aug 2022 16:50

Instrument :
MSVOA_N
ClientSampleId :
EFF-WW

Tgt Ion: 84 Resp: 1269

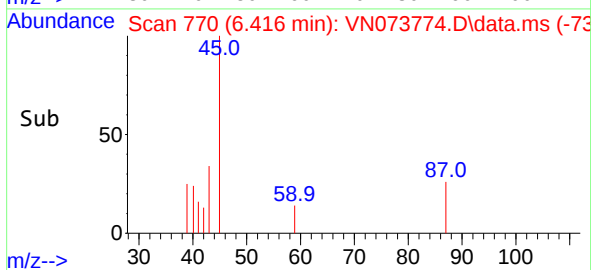
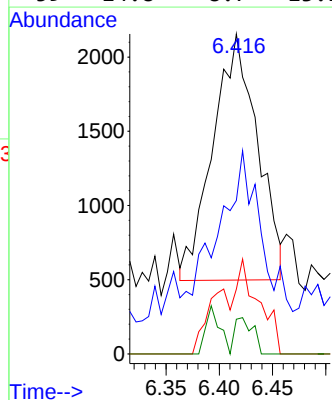
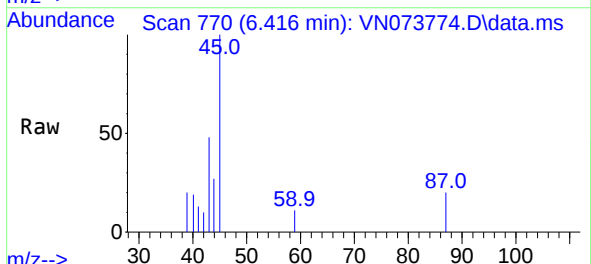
Ion	Ratio	Lower	Upper
84	100		
49	52.8	91.4	137.0#
51	25.5	29.4	44.0#
86	55.7	51.1	76.7

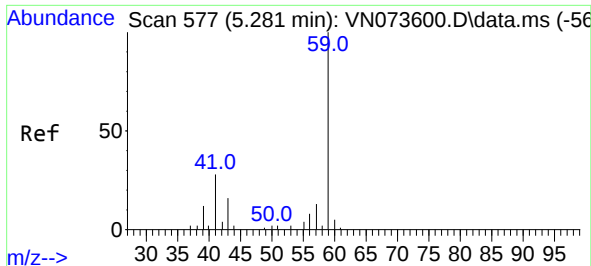


#20
Diisopropyl ether
Concen: 0.431 ug/l
RT: 6.416 min Scan# 770
Delta R.T. 0.006 min
Lab File: VN073774.D
Acq: 08 Aug 2022 16:50

Tgt Ion: 45 Resp: 4826

Ion	Ratio	Lower	Upper
45	100		
43	41.5	51.0	76.4#
87	27.6	25.0	37.4
59	14.8	8.7	13.1#

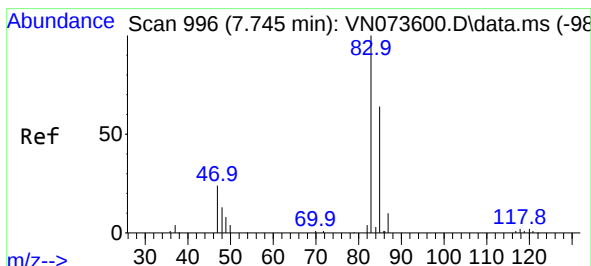
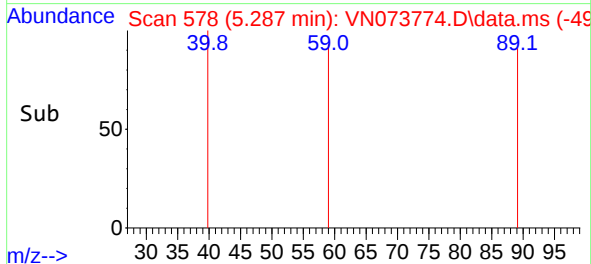
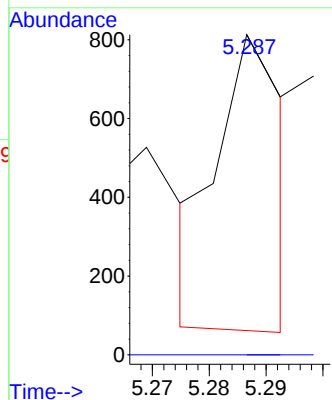
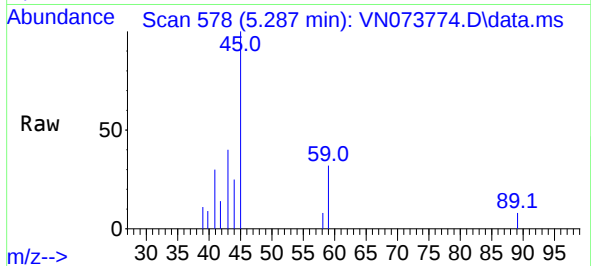




#23
tert-Butyl Alcohol
Concen: 0.705 ug/l
RT: 5.287 min Scan# 51
Delta R.T. 0.006 min
Lab File: VN073774.D
Acq: 08 Aug 2022 16:50

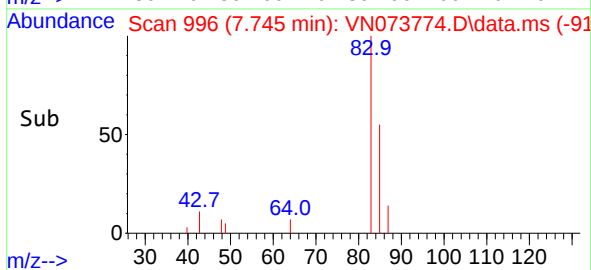
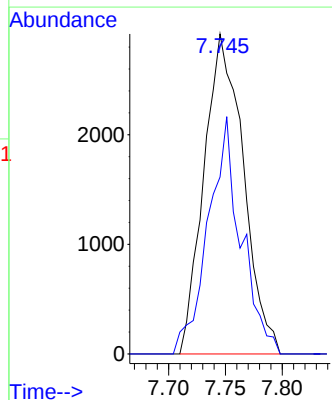
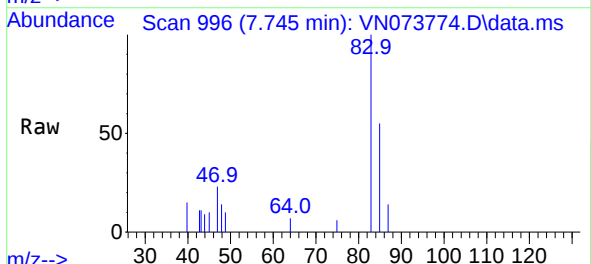
Instrument :
MSVOA_N
ClientSampleId :
EFF-WW

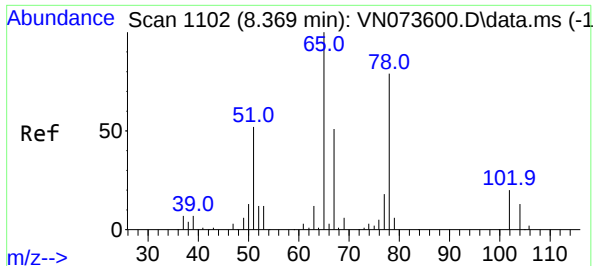
Tgt Ion: 59 Resp: 604
Ion Ratio Lower Upper
59 100
52 0.0 0.0 0.0



#25
Chloroform
Concen: 1.030 ug/l
RT: 7.745 min Scan# 996
Delta R.T. 0.000 min
Lab File: VN073774.D
Acq: 08 Aug 2022 16:50

Tgt Ion: 83 Resp: 7033
Ion Ratio Lower Upper
83 100
85 55.3 51.3 76.9

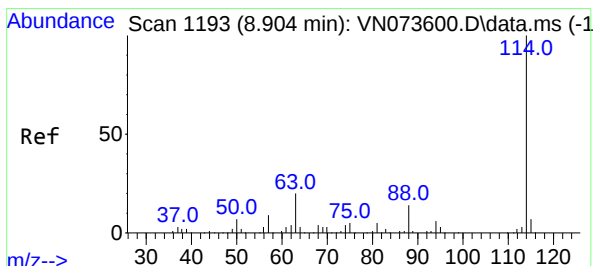
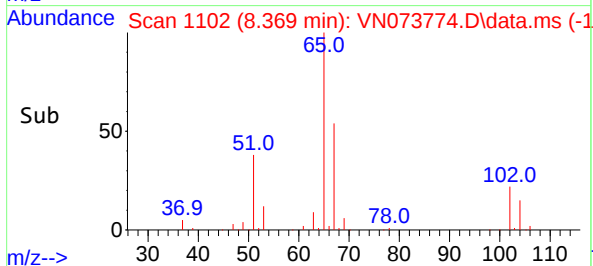
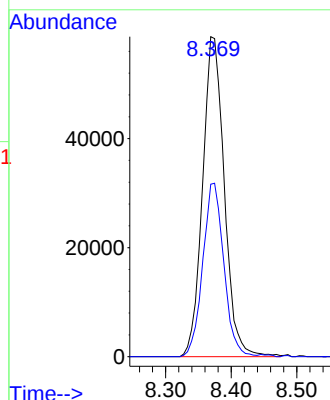
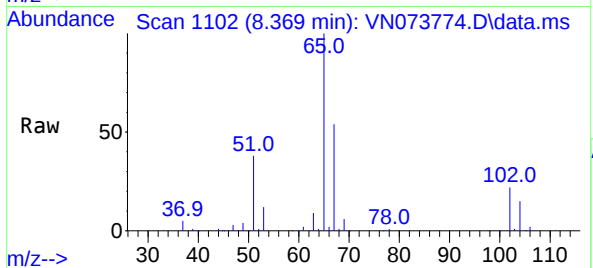




#27
1,2-Dichloroethane-d4
Concen: 31.755 ug/l
RT: 8.369 min Scan# 1102
Delta R.T. 0.000 min
Lab File: VN073774.D
Acq: 08 Aug 2022 16:50

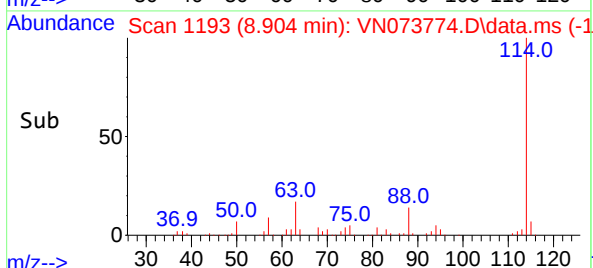
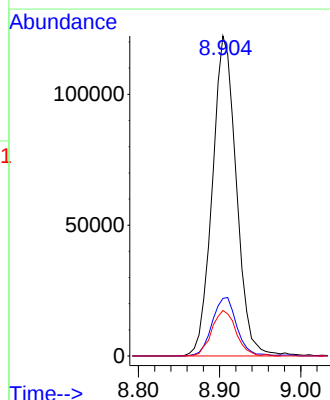
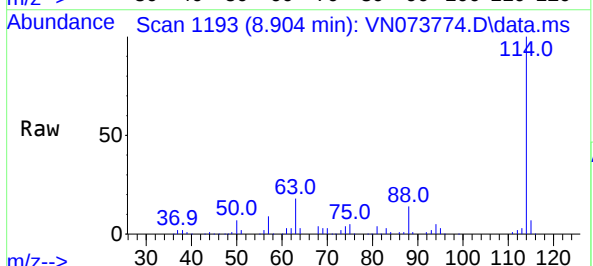
Instrument :
MSVOA_N
ClientSampleId :
EFF-WW

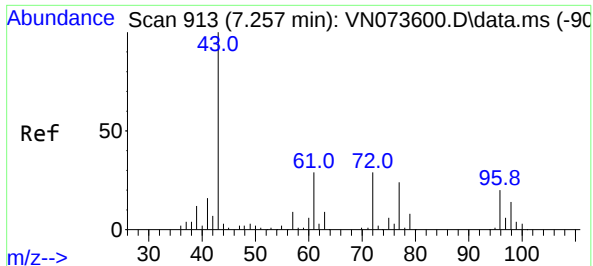
Tgt Ion: 65 Resp: 135483
Ion Ratio Lower Upper
65 100
67 52.5 40.2 60.2



#28
1,4-Difluorobenzene
Concen: 30.000 ug/l
RT: 8.904 min Scan# 1193
Delta R.T. 0.000 min
Lab File: VN073774.D
Acq: 08 Aug 2022 16:50

Tgt Ion: 114 Resp: 250996
Ion Ratio Lower Upper
114 100
63 18.5 15.8 23.6
88 14.3 11.6 17.4





#30

2-Butanone

Concen: 3.508 ug/l

RT: 7.269 min Scan# 913

Delta R.T. 0.012 min

Lab File: VN073774.D

Acq: 08 Aug 2022 16:50

Instrument :

MSVOA_N

ClientSampleId :

EFF-WW

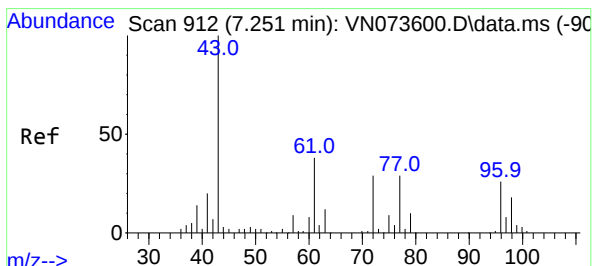
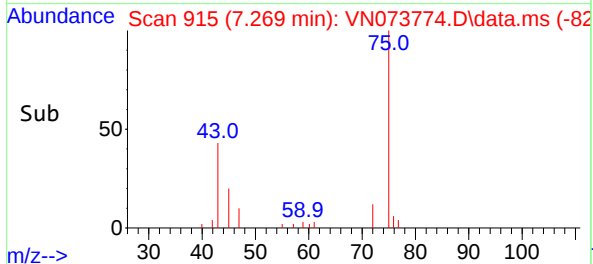
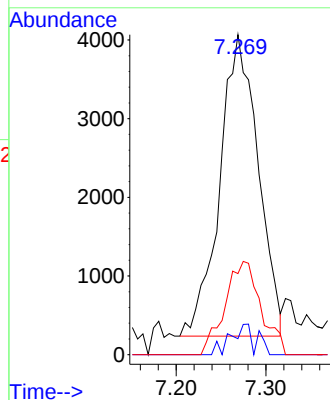
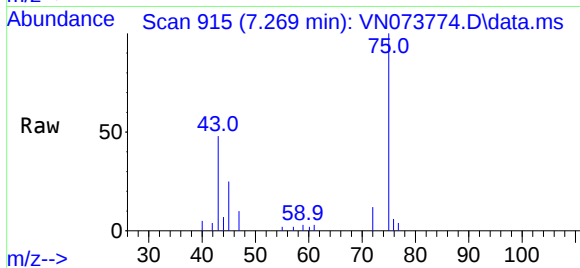
Tgt Ion: 43 Resp: 11373

Ion Ratio Lower Upper

43 100

57 2.4 6.7 10.1#

72 27.2 23.2 34.8



#31

2,2-Dichloropropane

Concen: 0.593 ug/l

RT: 7.245 min Scan# 911

Delta R.T. -0.006 min

Lab File: VN073774.D

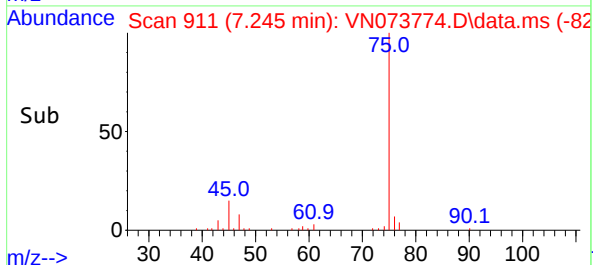
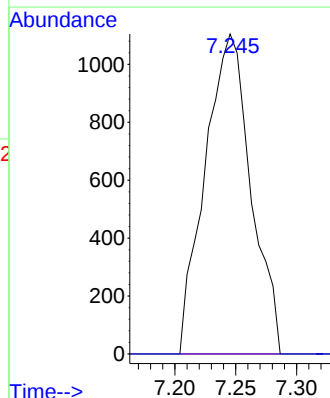
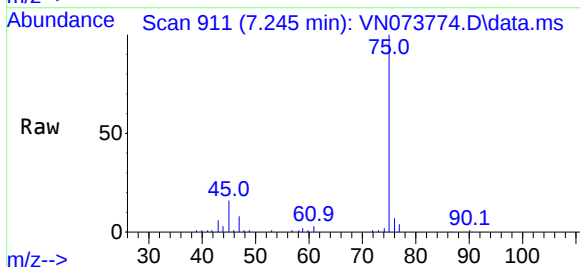
Acq: 08 Aug 2022 16:50

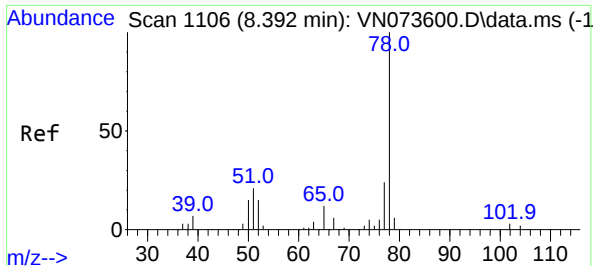
Tgt Ion: 77 Resp: 2902

Ion Ratio Lower Upper

77 100

97 0.0 18.3 27.5#

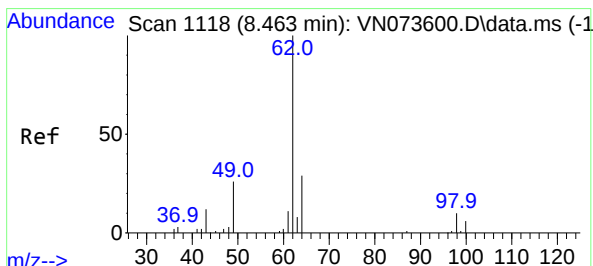
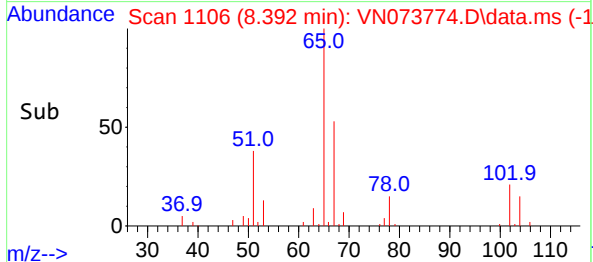
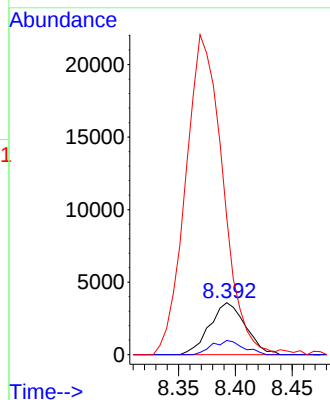
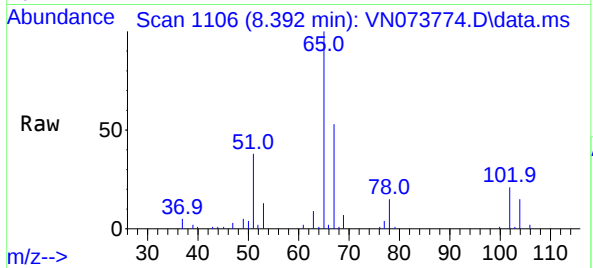




#34
Benzene
Concen: 0.520 ug/l
RT: 8.392 min Scan# 1106
Delta R.T. 0.000 min
Lab File: VN073774.D
Acq: 08 Aug 2022 16:50

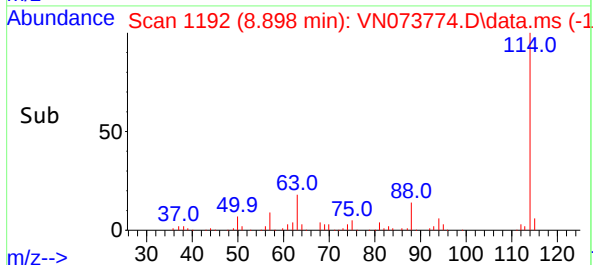
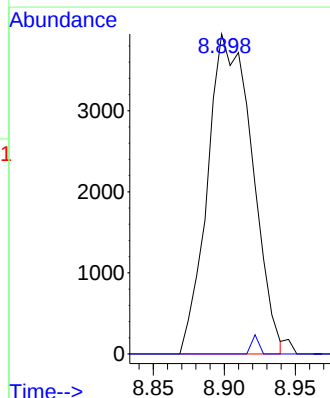
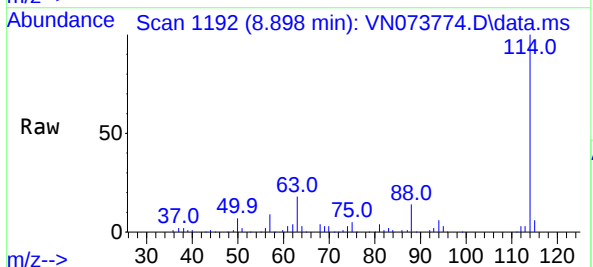
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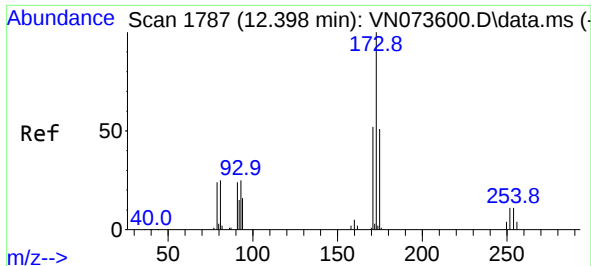
Tgt Ion: 78 Resp: 7891
Ion Ratio Lower Upper
78 100
77 27.4 19.1 28.7
51 253.9 16.0 24.0#



#36
1,2-Dichloroethane
Concen: 1.718 ug/l
RT: 8.898 min Scan# 1192
Delta R.T. 0.435 min
Lab File: VN073774.D
Acq: 08 Aug 2022 16:50

Tgt Ion: 62 Resp: 8598
Ion Ratio Lower Upper
62 100
98 0.0 6.6 10.0#

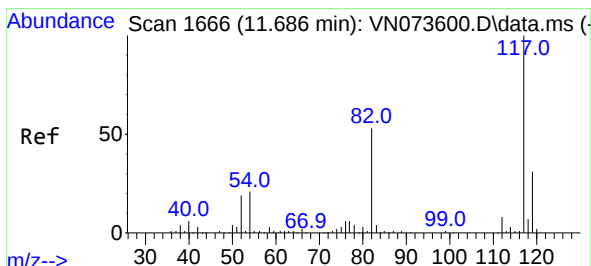
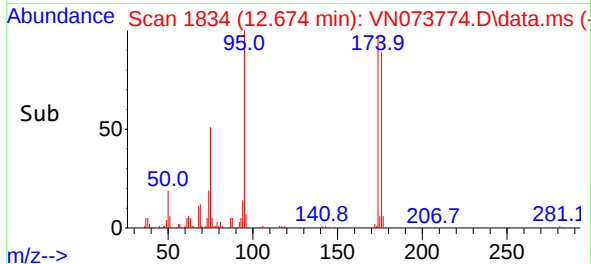
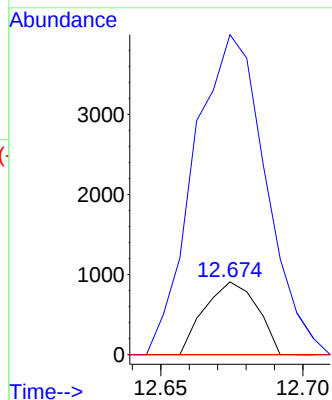
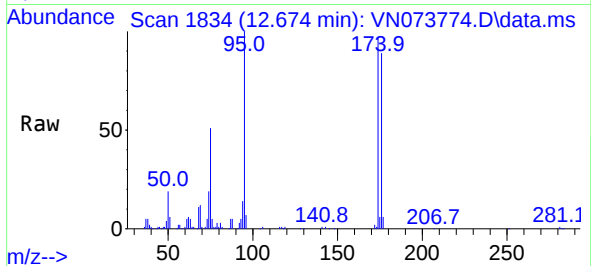




#56
Bromoform
Concen: 0.380 ug/l
RT: 12.674 min Scan# 1834
Delta R.T. 0.276 min
Lab File: VN073774.D
Acq: 08 Aug 2022 16:50

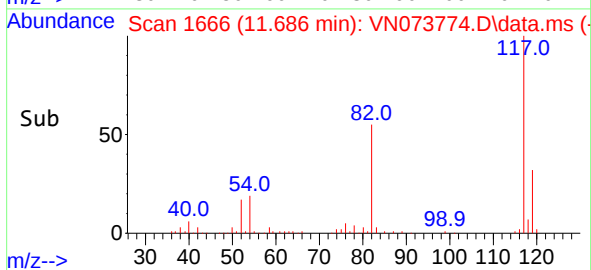
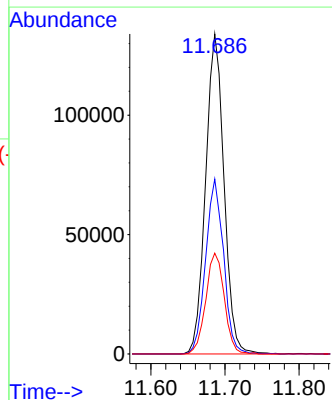
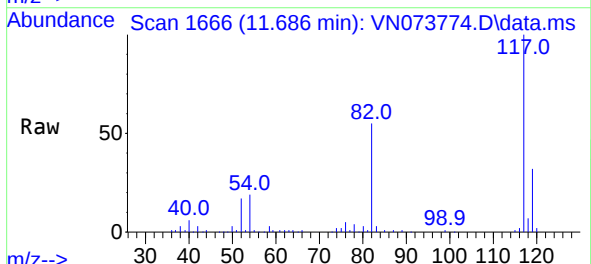
Instrument :
MSVOA_N
ClientSampleId :
EFF-WW

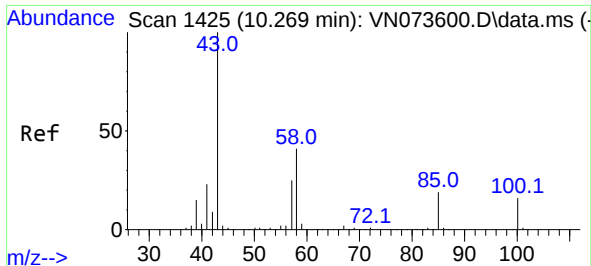
Tgt Ion:173 Resp: 1178
Ion Ratio Lower Upper
173 100
175 596.3 38.6 58.0#
254 0.0 0.0 0.0



#57
Chlorobenzene-d5
Concen: 30.000 ug/l
RT: 11.686 min Scan# 1666
Delta R.T. 0.000 min
Lab File: VN073774.D
Acq: 08 Aug 2022 16:50

Tgt Ion:117 Resp: 231387
Ion Ratio Lower Upper
117 100
82 53.3 43.6 65.4
119 31.7 25.8 38.6

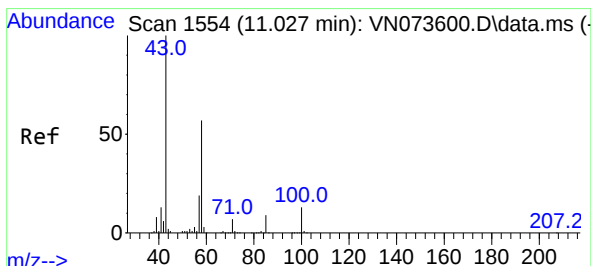
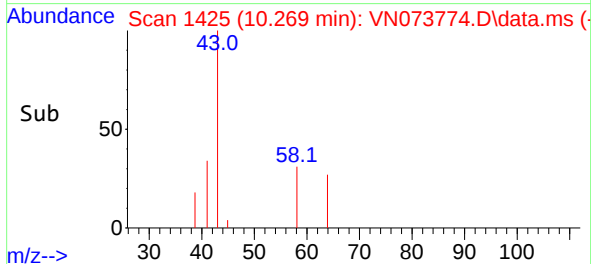
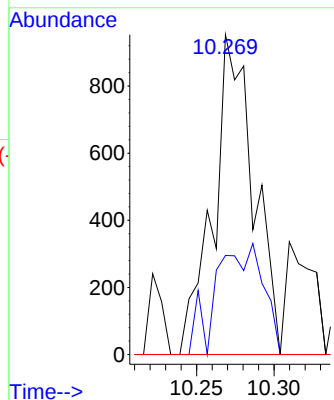
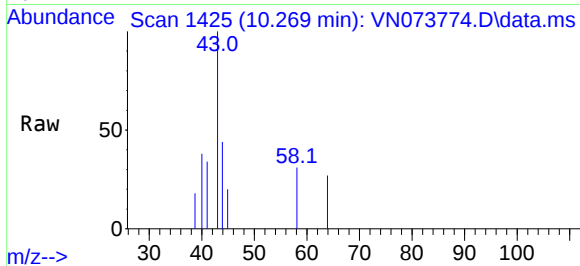




#58
4-Methyl-2-Pentanone
Concen: 0.288 ug/l
RT: 10.269 min Scan# 1425
Delta R.T. 0.000 min
Lab File: VN073774.D
Acq: 08 Aug 2022 16:50

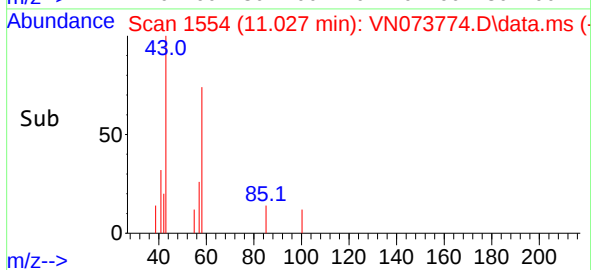
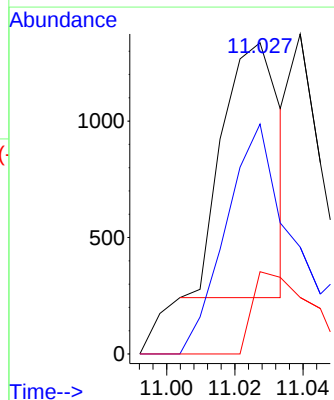
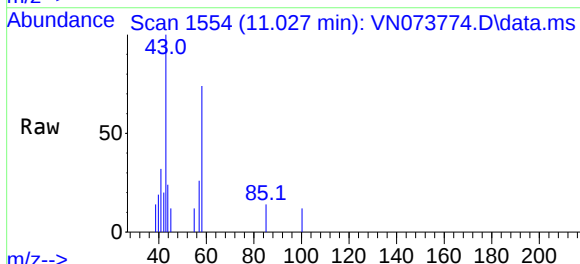
Instrument :
MSVOA_N
ClientSampleId :
EFF-WW

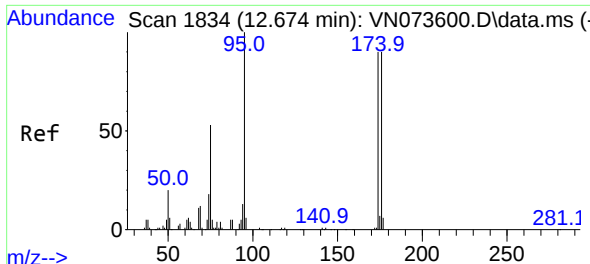
Tgt Ion:	43	Resp:	1725
Ion	Ratio	Lower	Upper
43	100		
58	22.3	30.0	45.0#
85	0.0	15.0	22.6#



#59
2-Hexanone
Concen: 0.279 ug/l
RT: 11.027 min Scan# 1554
Delta R.T. 0.000 min
Lab File: VN073774.D
Acq: 08 Aug 2022 16:50

Tgt Ion:	43	Resp:	1287
Ion	Ratio	Lower	Upper
43	100		
58	110.3	42.2	63.2#
57	30.7	15.0	22.4#

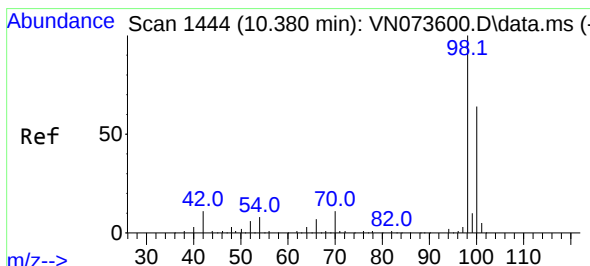
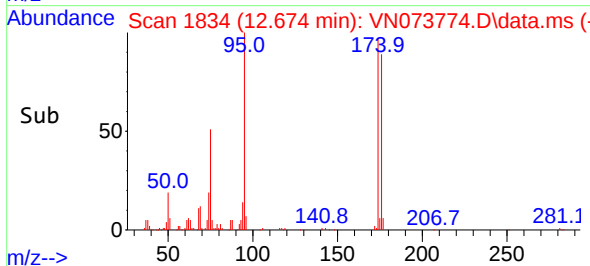
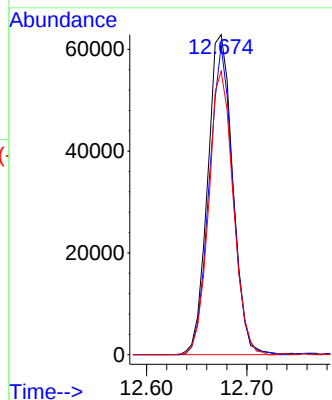
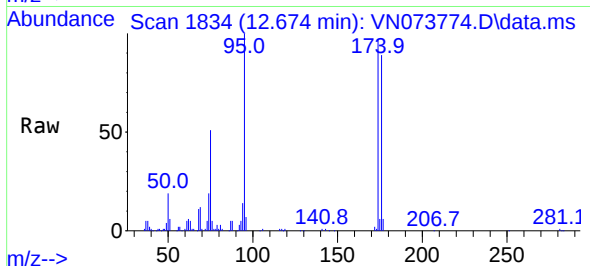




#60
4-Bromofluorobenzene
Concen: 26.772 ug/l
RT: 12.674 min Scan# 1834
Delta R.T. 0.000 min
Lab File: VN073774.D
Acq: 08 Aug 2022 16:50

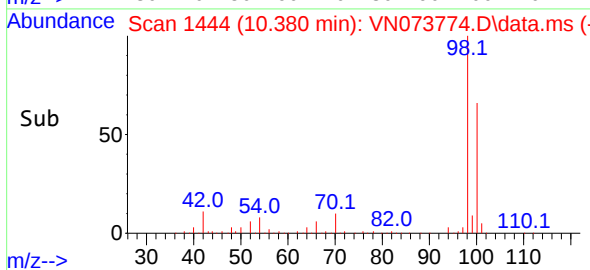
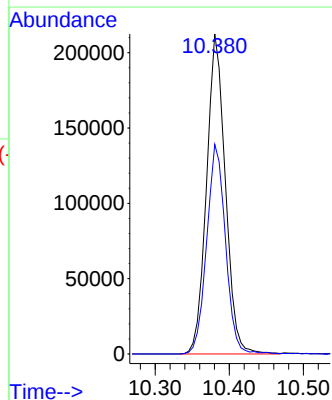
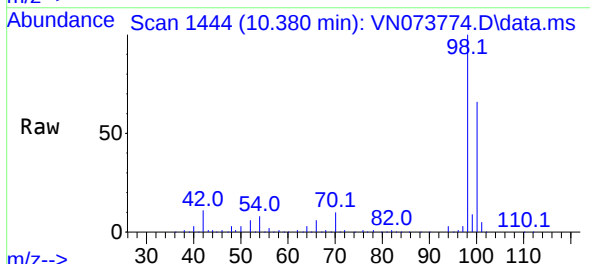
Instrument :
MSVOA_N
ClientSampleId :
EFF-WW

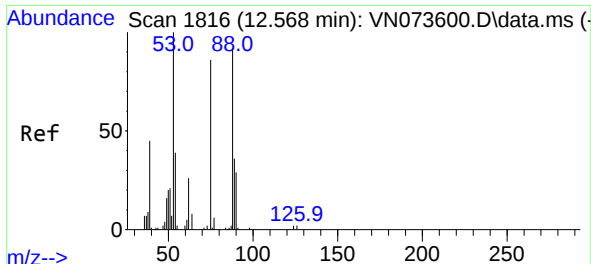
Tgt Ion: 95 Resp: 109685
Ion Ratio Lower Upper
95 100
174 90.9 62.9 94.3
176 86.2 61.0 91.4



#63
Toluene-d8
Concen: 28.769 ug/l
RT: 10.380 min Scan# 1444
Delta R.T. 0.000 min
Lab File: VN073774.D
Acq: 08 Aug 2022 16:50

Tgt Ion: 98 Resp: 374828
Ion Ratio Lower Upper
98 100
100 65.1 50.6 76.0

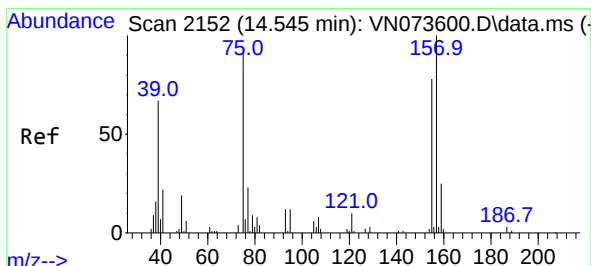
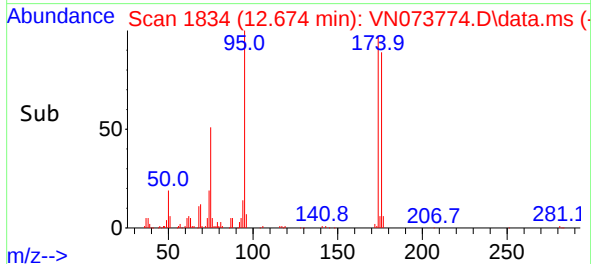
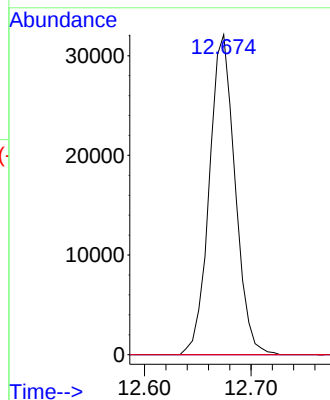
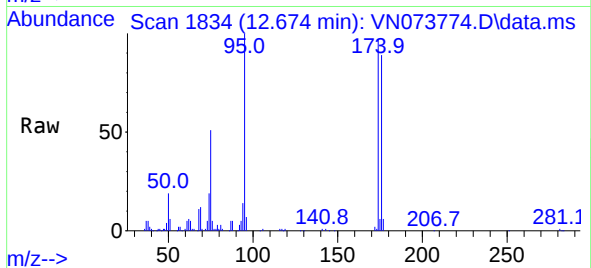




#77
t-1,4-Dichloro-2-butene
Concen: 30.214 ug/l
RT: 12.674 min Scan# 11
Delta R.T. 0.106 min
Lab File: VN073774.D
Acq: 08 Aug 2022 16:50

Instrument :
MSVOA_N
ClientSampleId :
EFF-WW

Tgt Ion: 75 Resp: 53988
Ion Ratio Lower Upper
75 100
53 0.0 51.8 155.5#
89 0.0 22.9 68.7#



#88
1,2-Dibromo-3-Chloropropane
Concen: 0.249 ug/l
RT: 14.374 min Scan# 2123
Delta R.T. -0.171 min
Lab File: VN073774.D
Acq: 08 Aug 2022 16:50

Tgt Ion: 75 Resp: 319
Ion Ratio Lower Upper
75 100
155 0.0 63.8 95.8#
157 0.0 77.9 116.9#

