

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN031722\
 Data File : VN071358.D
 Acq On : 17 Mar 2022 17:58
 Operator : JC\MD
 Sample : N1935-01 5X
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 EFF-WW

Quant Time: Mar 18 07:02:31 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\624N031722W.M
 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
 QLast Update : Thu Mar 17 06:37:08 2022
 Response via : Initial Calibration

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

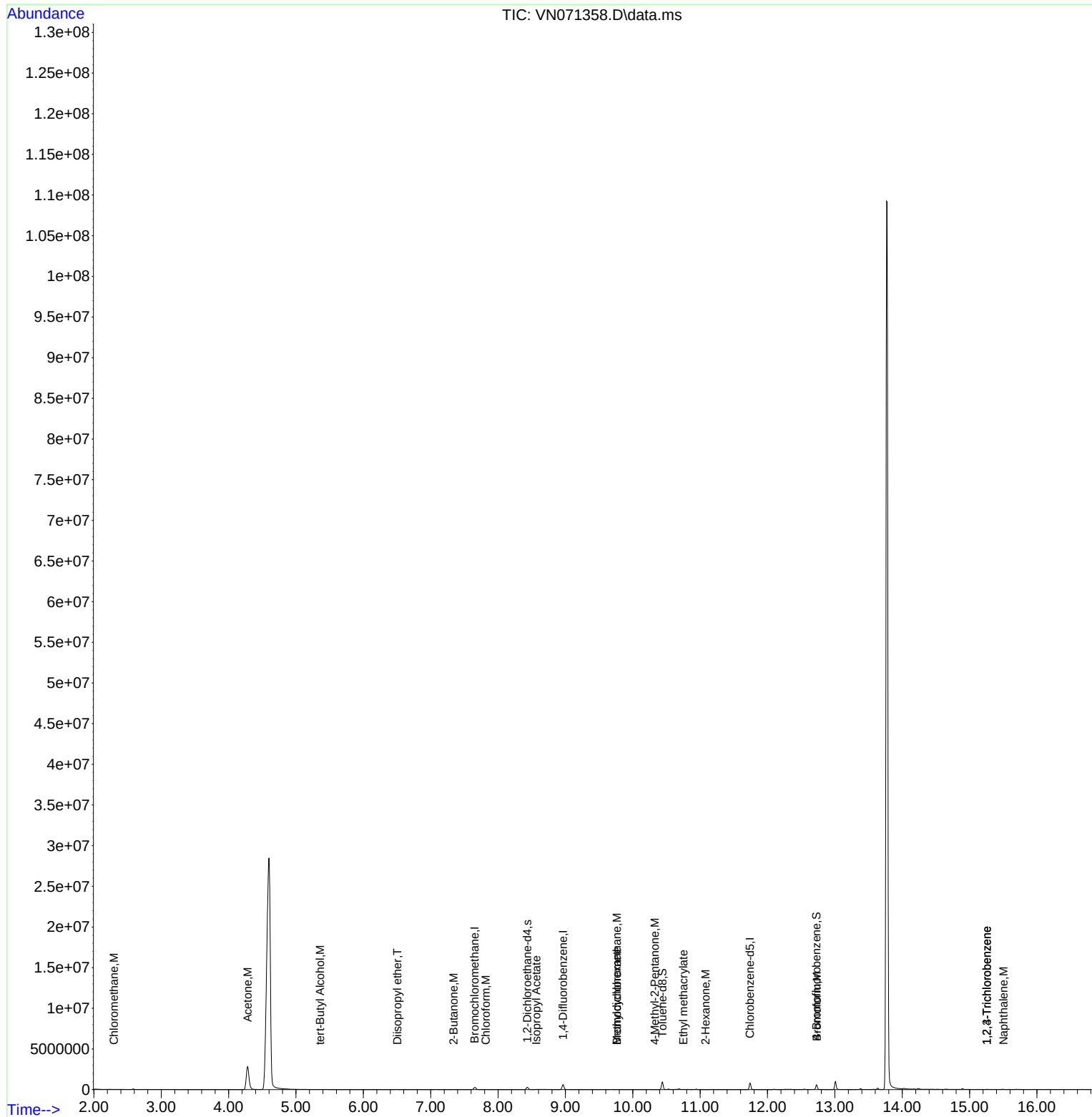
Internal Standards						
1) Bromochloromethane	7.651	128	97198	30.000	ug/l	0.00
28) 1,4-Difluorobenzene	8.963	114	523730	30.000	ug/l	0.00
57) Chlorobenzene-d5	11.739	117	461520	30.000	ug/l	0.00
System Monitoring Compounds						
27) 1,2-Dichloroethane-d4	8.434	65	234701	30.414	ug/l	0.00
Spiked Amount	30.000	Range	91 - 110	Recovery	=	101.367%
60) 4-Bromofluorobenzene	12.727	95	202093	28.343	ug/l	0.00
Spiked Amount	30.000	Range	63 - 112	Recovery	=	94.467%
63) Toluene-d8	10.439	98	631853	29.761	ug/l	0.00
Spiked Amount	30.000	Range	91 - 112	Recovery	=	99.200%
Target Compounds						
					Qvalue	
3) Chloromethane	2.299	50	6848	0.817	ug/l #	83
15) Acetone	4.281	58	1658187	1422.685	ug/l	100
20) Diisopropyl ether	6.504	45	11912	0.517	ug/l #	75
23) tert-Butyl Alcohol	5.357	59	819	0.499	ug/l #	100
25) Chloroform	7.816	83	20207	1.716	ug/l	95
30) 2-Butanone	7.340	43	8955	1.500	ug/l #	91
38) Methylcyclohexane	9.763	83	2652	0.262	ug/l #	25
41) Bromodichloromethane	9.763	83	2652	0.301	ug/l #	84
44) Isopropyl Acetate	8.569	43	24772	1.327	ug/l #	70
51) Ethyl methacrylate	10.751	69	2858	0.261	ug/l #	1
56) Bromoform	12.733	173	1420	0.277	ug/l #	1
58) 4-Methyl-2-Pentanone	10.328	43	3727	0.336	ug/l #	81
59) 2-Hexanone	11.080	43	3066	0.372	ug/l #	70
89) 1,2,4-Trichlorobenzene	15.257	180	3403	0.712	ug/l #	93
91) Naphthalene	15.504	128	9877	0.661	ug/l	98
92) 1,2,3-Trichlorobenzene	15.257	180	3403	0.695	ug/l	95

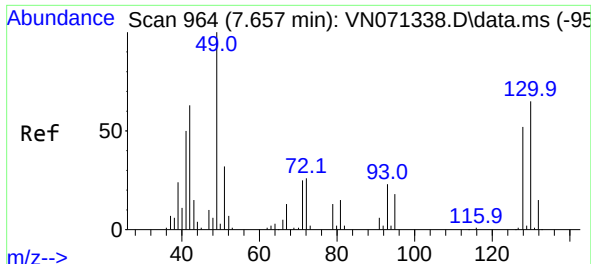
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Time: Mar 18 07:02:31 2022
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\624N031722W.M
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QLast Update : Thu Mar 17 06:37:08 2022
Response via : Initial Calibration

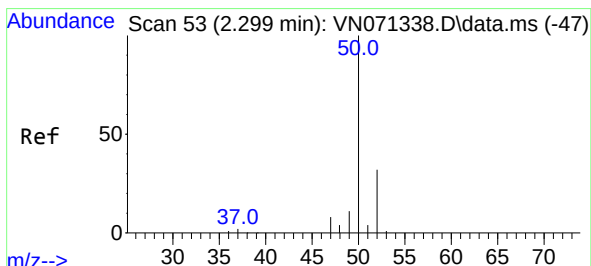
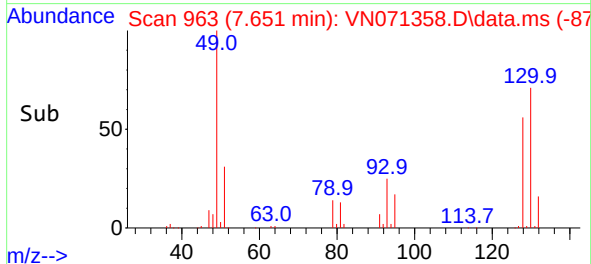
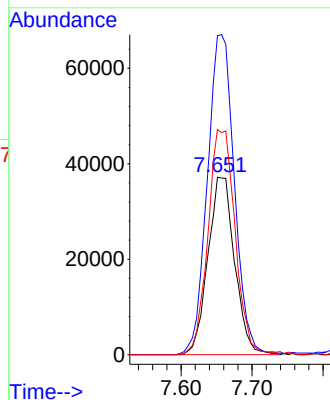
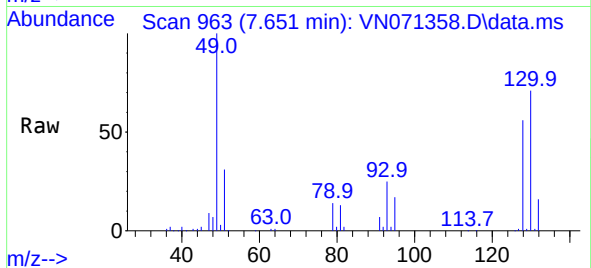




#1
Bromochloromethane
Concen: 30.000 ug/l
RT: 7.651 min Scan# 9
Delta R.T. -0.006 min
Lab File: VN071358.D
Acq: 17 Mar 2022 17:58

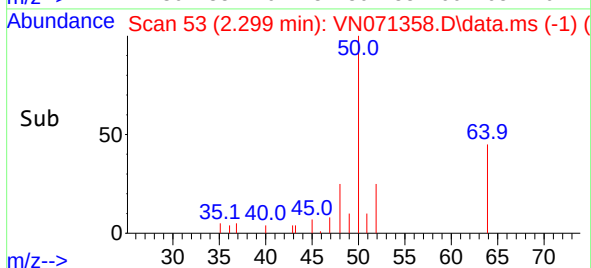
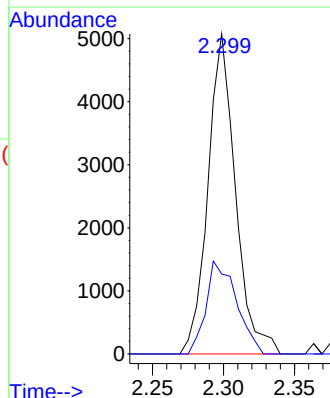
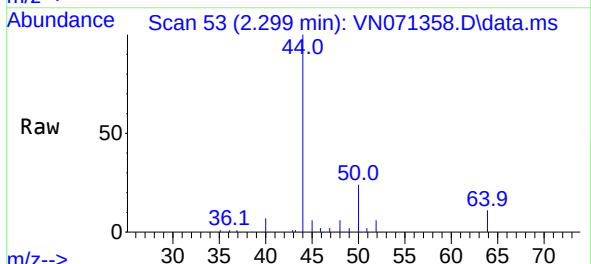
Instrument :
MSVOA_N
ClientSampleId :
EFF-WW

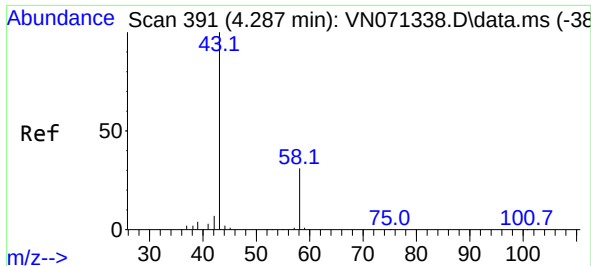
Tgt Ion:128 Resp: 97198
Ion Ratio Lower Upper
128 100
49 181.6 0.0 392.3
130 128.7 0.0 320.2



#3
Chloromethane
Concen: 0.817 ug/l
RT: 2.299 min Scan# 53
Delta R.T. 0.000 min
Lab File: VN071358.D
Acq: 17 Mar 2022 17:58

Tgt Ion: 50 Resp: 6848
Ion Ratio Lower Upper
50 100
52 25.0 27.8 41.6#

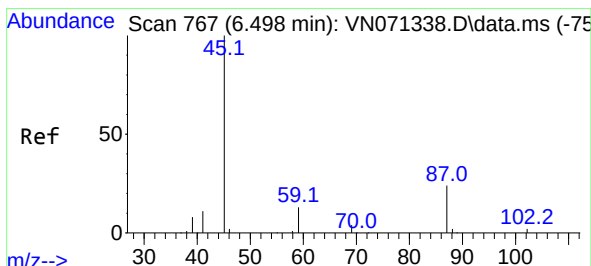
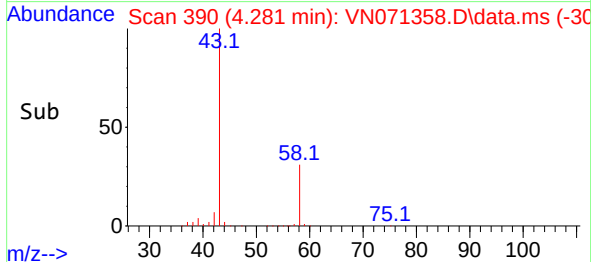
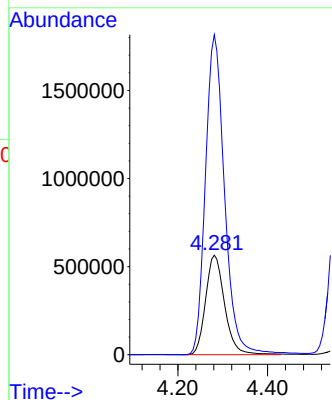
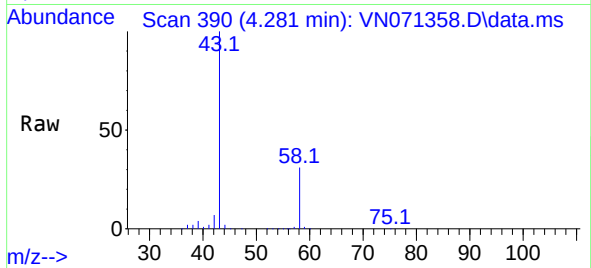




#15
Acetone
Concen: 1422.685 ug/l
RT: 4.281 min Scan# 391
Delta R.T. -0.006 min
Lab File: VN071358.D
Acq: 17 Mar 2022 17:58

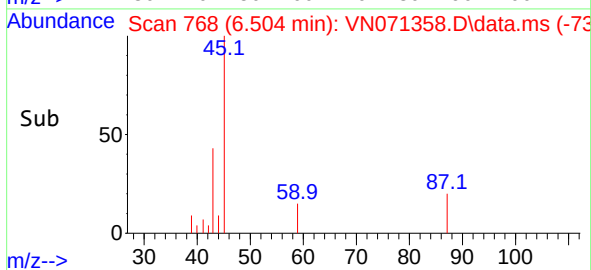
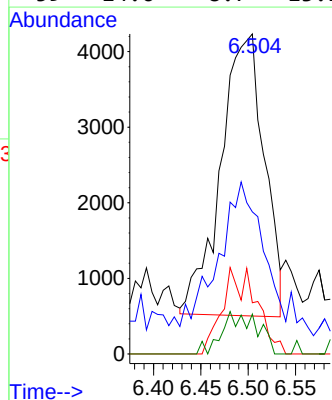
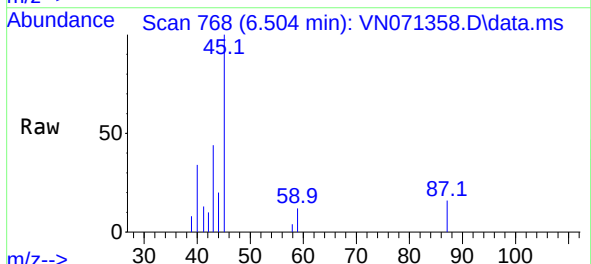
Instrument :
MSVOA_N
ClientSampleId :
EFF-WW

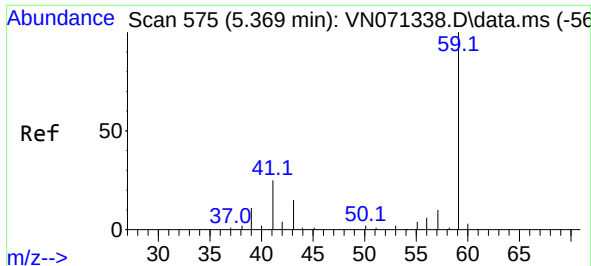
Tgt Ion: 58 Resp: 1658187
Ion Ratio Lower Upper
58 100
43 321.6 256.6 384.8



#20
Diisopropyl ether
Concen: 0.517 ug/l
RT: 6.504 min Scan# 768
Delta R.T. 0.006 min
Lab File: VN071358.D
Acq: 17 Mar 2022 17:58

Tgt Ion: 45 Resp: 11912
Ion Ratio Lower Upper
45 100
43 41.8 51.0 76.4#
87 18.7 25.0 37.4#
59 14.6 8.7 13.1#





#23

tert-Butyl Alcohol

Concen: 0.499 ug/l

RT: 5.357 min Scan# 51

Delta R.T. -0.012 min

Lab File: VN071358.D

Acq: 17 Mar 2022 17:58

Instrument :

MSVOA_N

ClientSampleId :

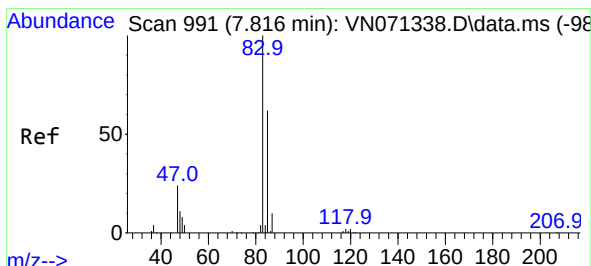
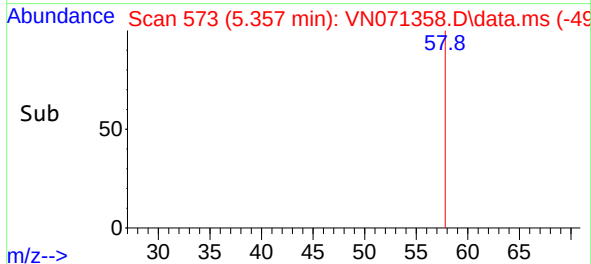
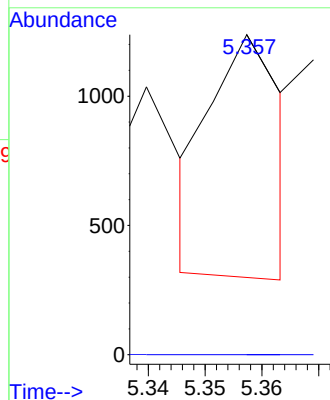
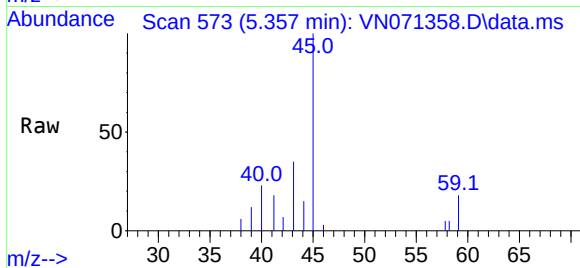
EFF-WW

Tgt Ion: 59 Resp: 819

Ion Ratio Lower Upper

59 100

52 0.0 0.0 0.0



#25

Chloroform

Concen: 1.716 ug/l

RT: 7.816 min Scan# 991

Delta R.T. 0.000 min

Lab File: VN071358.D

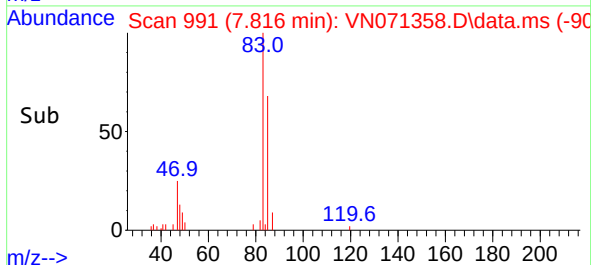
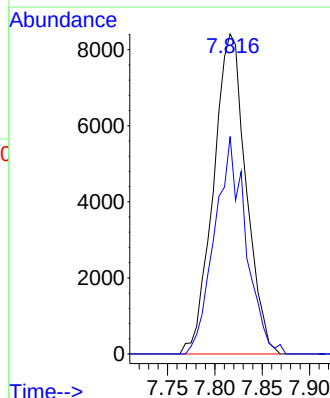
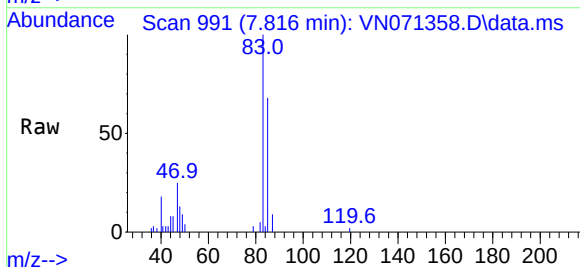
Acq: 17 Mar 2022 17:58

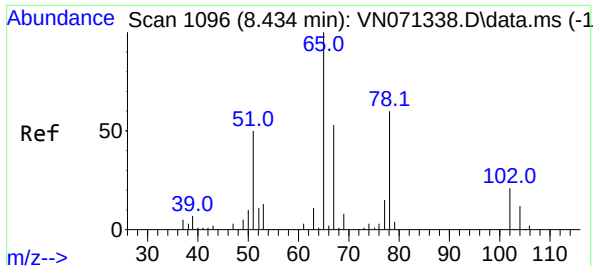
Tgt Ion: 83 Resp: 20207

Ion Ratio Lower Upper

83 100

85 68.0 51.3 76.9

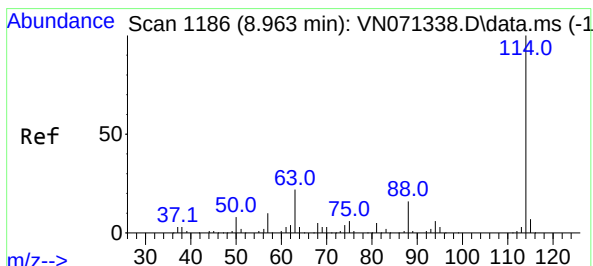
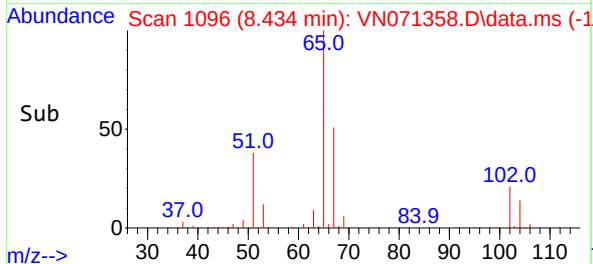
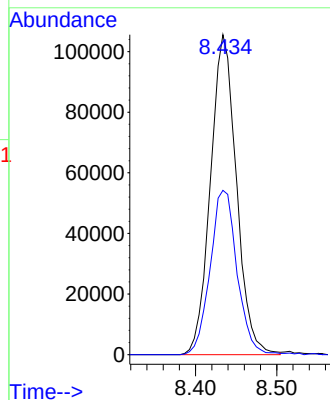
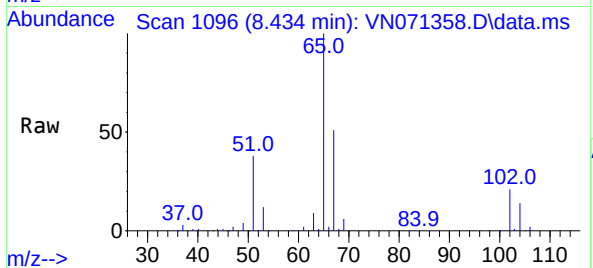




#27
1,2-Dichloroethane-d4
Concen: 30.414 ug/l
RT: 8.434 min Scan# 1096
Delta R.T. 0.000 min
Lab File: VN071358.D
Acq: 17 Mar 2022 17:58

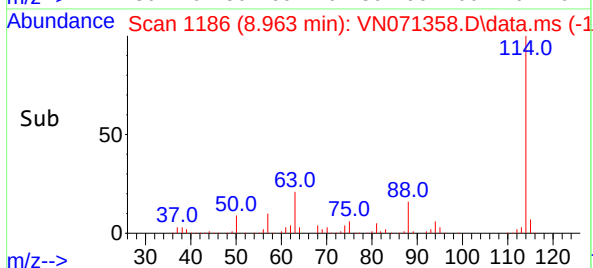
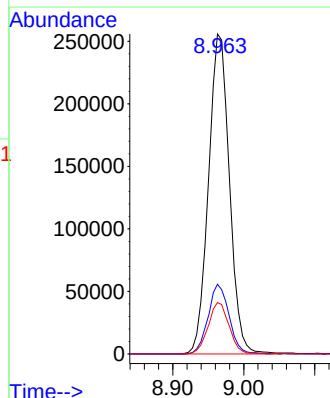
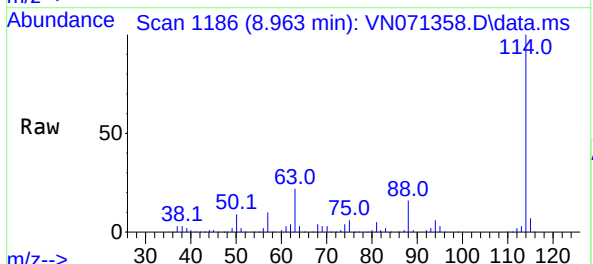
Instrument :
MSVOA_N
ClientSampleId :
EFF-WW

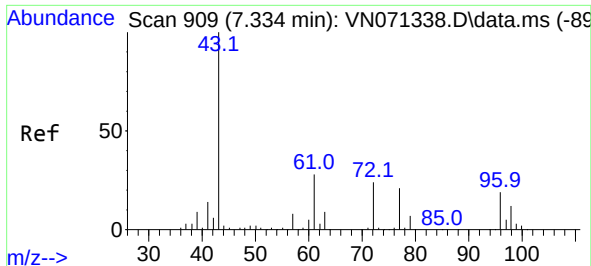
Tgt Ion: 65 Resp: 234701
Ion Ratio Lower Upper
65 100
67 52.9 40.2 60.2



#28
1,4-Difluorobenzene
Concen: 30.000 ug/l
RT: 8.963 min Scan# 1186
Delta R.T. 0.000 min
Lab File: VN071358.D
Acq: 17 Mar 2022 17:58

Tgt Ion: 114 Resp: 523730
Ion Ratio Lower Upper
114 100
63 21.8 15.8 23.6
88 15.9 11.6 17.4

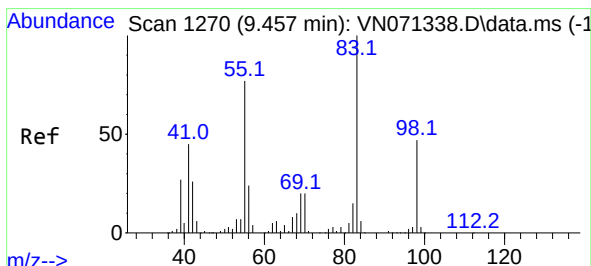
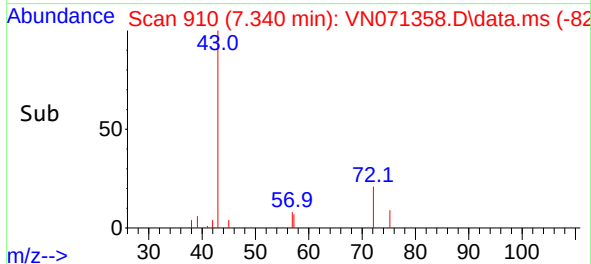
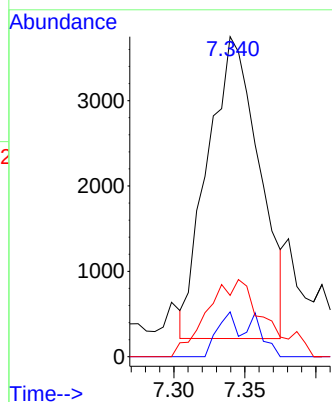
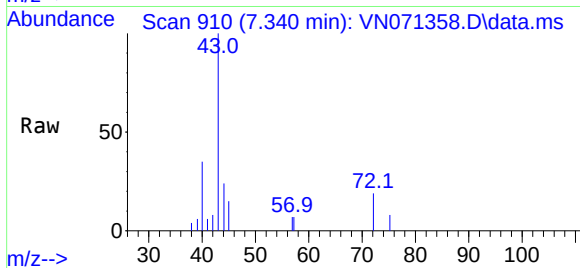




#30
2-Butanone
Concen: 1.500 ug/l
RT: 7.340 min Scan# 91
Delta R.T. 0.006 min
Lab File: VN071358.D
Acq: 17 Mar 2022 17:58

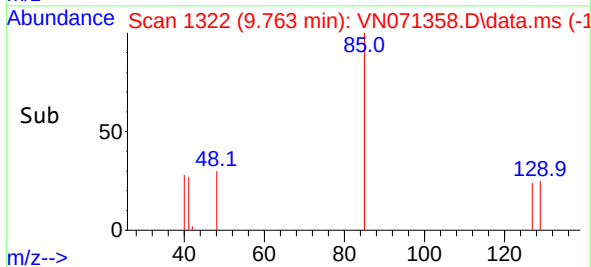
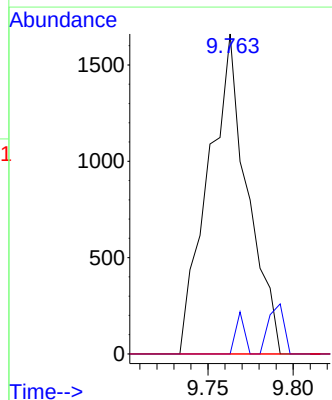
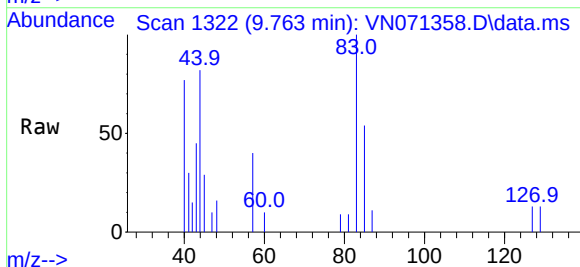
Instrument :
MSVOA_N
ClientSampleId :
EFF-WW

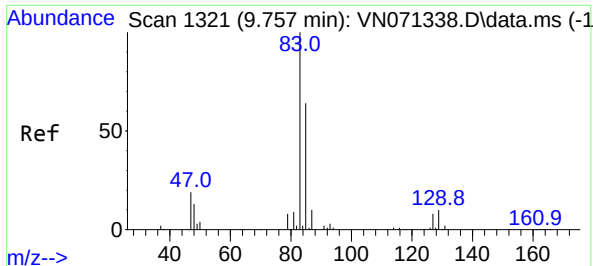
Tgt Ion: 43 Resp: 8955
Ion Ratio Lower Upper
43 100
57 5.6 6.7 10.1#
72 23.8 23.2 34.8



#38
Methylcyclohexane
Concen: 0.262 ug/l
RT: 9.763 min Scan# 1322
Delta R.T. 0.306 min
Lab File: VN071358.D
Acq: 17 Mar 2022 17:58

Tgt Ion: 83 Resp: 2652
Ion Ratio Lower Upper
83 100
55 6.1 35.1 105.3#
98 0.0 23.4 70.2#

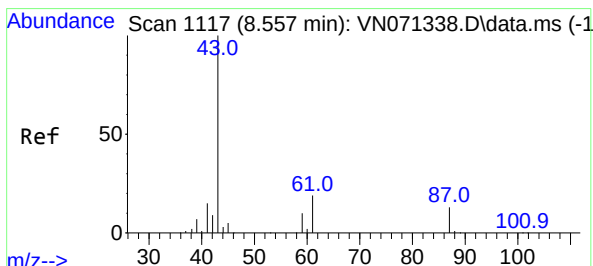
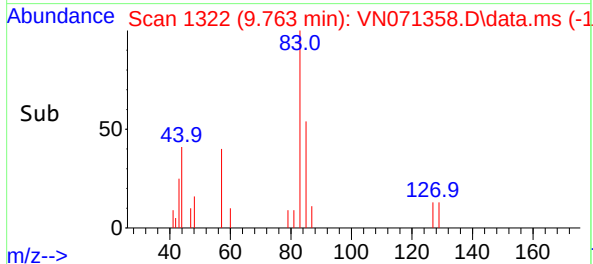
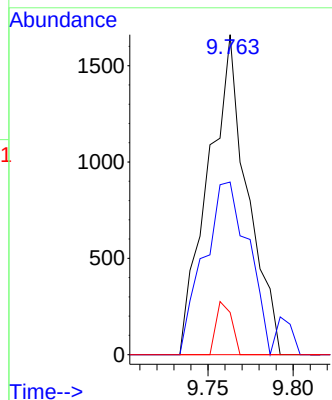
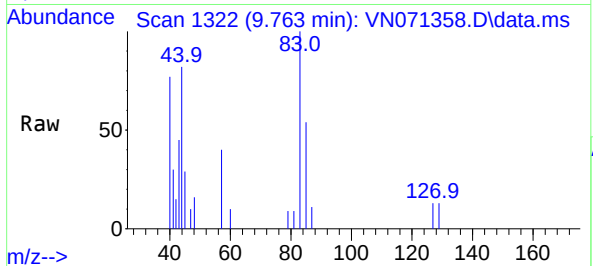




#41
Bromodichloromethane
Concen: 0.301 ug/l
RT: 9.763 min Scan# 1119
Delta R.T. 0.006 min
Lab File: VN071358.D
Acq: 17 Mar 2022 17:58

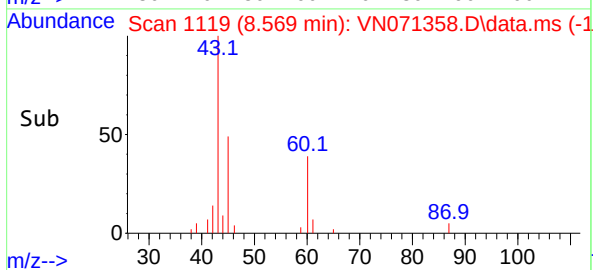
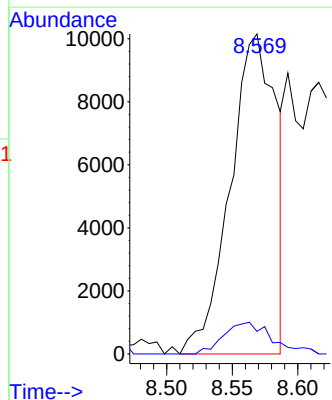
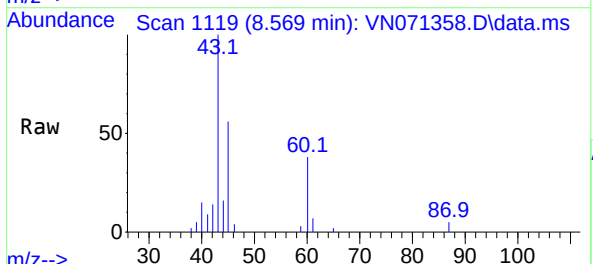
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EFF-WW

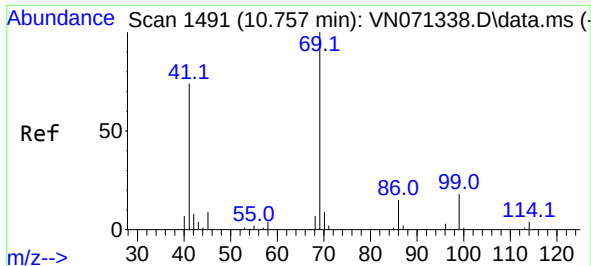
Tgt Ion: 83 Resp: 2652
Ion Ratio Lower Upper
83 100
85 53.9 54.1 81.1#
127 13.2 7.6 11.4#



#44
Isopropyl Acetate
Concen: 1.327 ug/l
RT: 8.569 min Scan# 1119
Delta R.T. 0.012 min
Lab File: VN071358.D
Acq: 17 Mar 2022 17:58

Tgt Ion: 43 Resp: 24772
Ion Ratio Lower Upper
43 100
61 9.9 20.1 30.1#

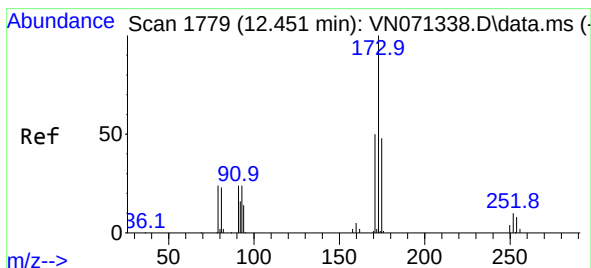
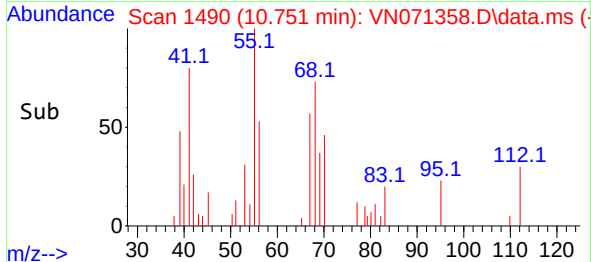
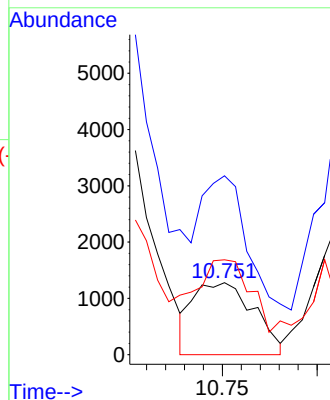
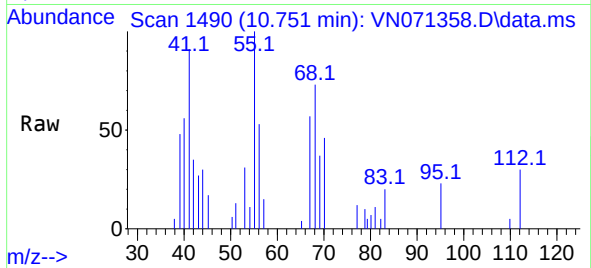




#51
Ethyl methacrylate
Concen: 0.261 ug/l
RT: 10.751 min Scan# 1490
Delta R.T. -0.006 min
Lab File: VN071358.D
Acq: 17 Mar 2022 17:58

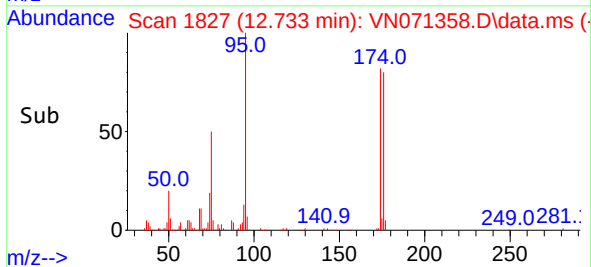
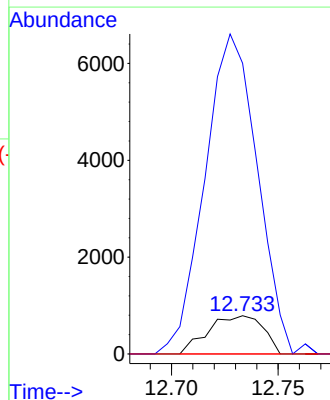
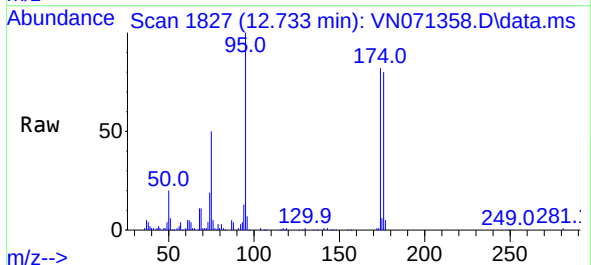
Instrument :
MSVOA_N
ClientSampleId :
EFF-WW

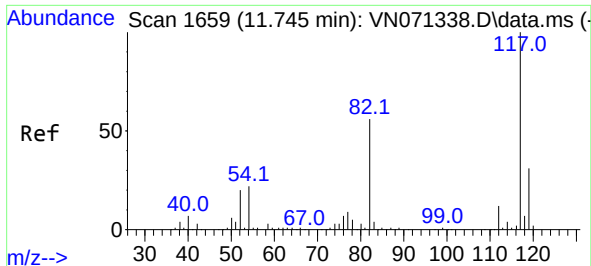
Tgt Ion: 69 Resp: 2858
Ion Ratio Lower Upper
69 100
41 210.4 33.0 98.9#
39 100.2 25.4 76.4#



#56
Bromoform
Concen: 0.277 ug/l
RT: 12.733 min Scan# 1827
Delta R.T. 0.282 min
Lab File: VN071358.D
Acq: 17 Mar 2022 17:58

Tgt Ion:173 Resp: 1420
Ion Ratio Lower Upper
173 100
175 796.7 38.6 58.0#
254 0.0 0.0 0.0

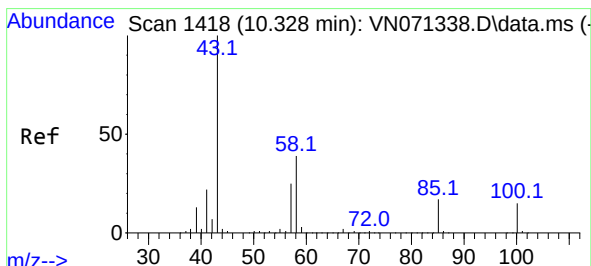
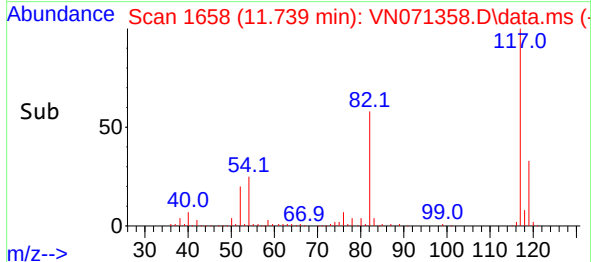
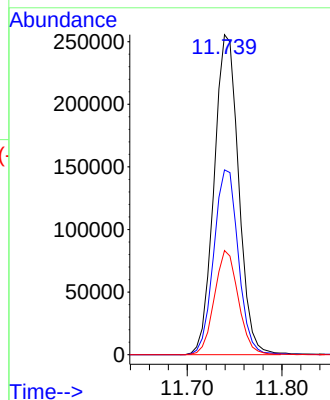
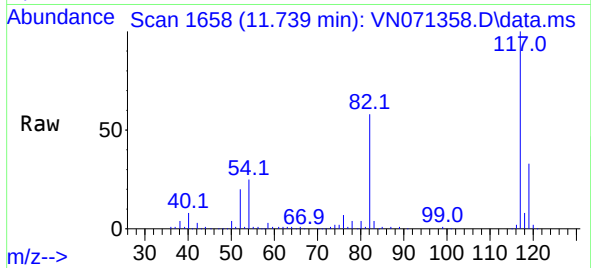




#57
Chlorobenzene-d5
Concen: 30.000 ug/l
RT: 11.739 min Scan# 117
Delta R.T. -0.006 min
Lab File: VN071358.D
Acq: 17 Mar 2022 17:58

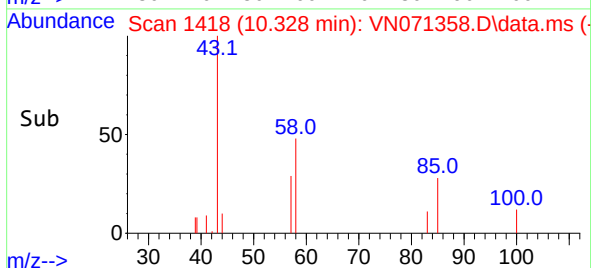
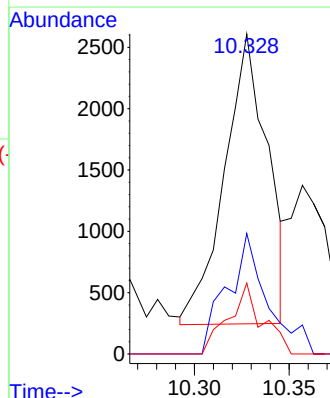
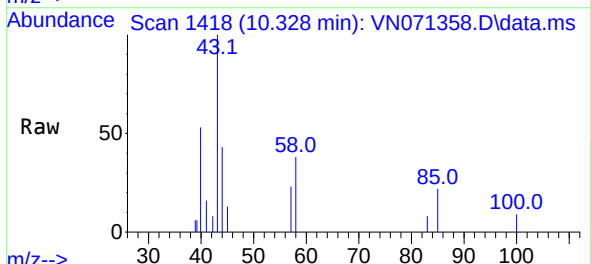
Instrument :
MSVOA_N
ClientSampleId :
EFF-WW

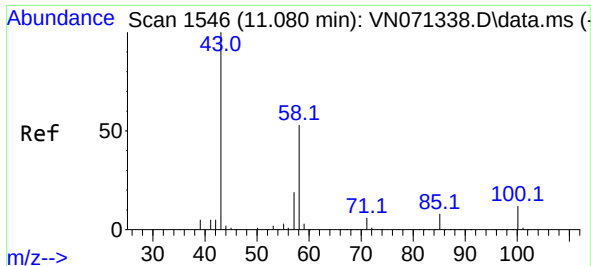
Tgt Ion:117 Resp: 461520
Ion Ratio Lower Upper
117 100
82 57.7 43.6 65.4
119 31.7 25.8 38.6



#58
4-Methyl-2-Pentanone
Concen: 0.336 ug/l
RT: 10.328 min Scan# 1418
Delta R.T. 0.000 min
Lab File: VN071358.D
Acq: 17 Mar 2022 17:58

Tgt Ion: 43 Resp: 3727
Ion Ratio Lower Upper
43 100
58 22.7 30.0 45.0#
85 14.9 15.0 22.6#

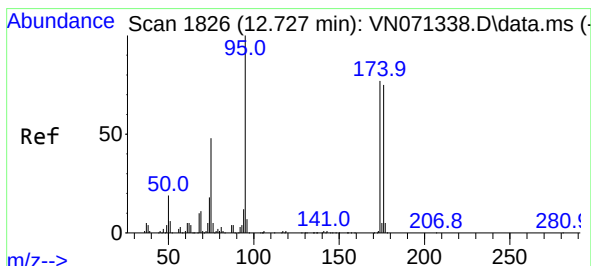
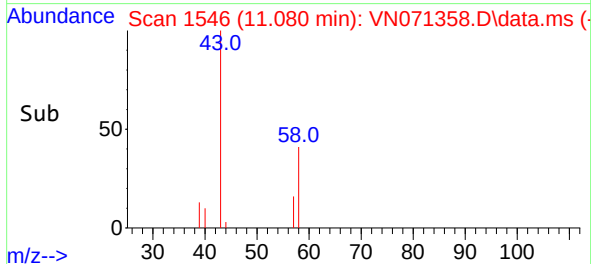
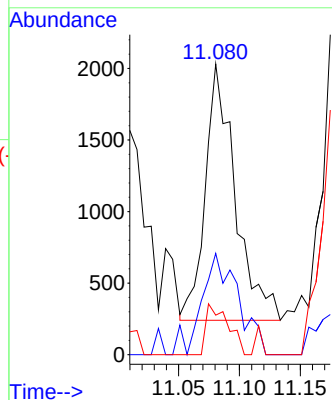
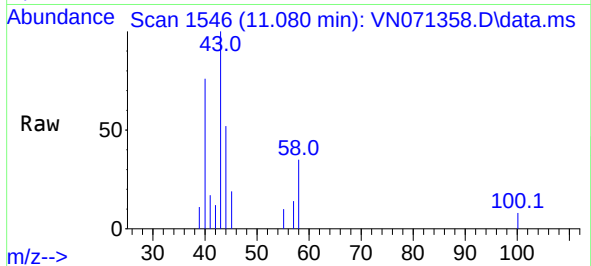




#59
2-Hexanone
Concen: 0.372 ug/l
RT: 11.080 min Scan# 11
Delta R.T. 0.000 min
Lab File: VN071358.D
Acq: 17 Mar 2022 17:58

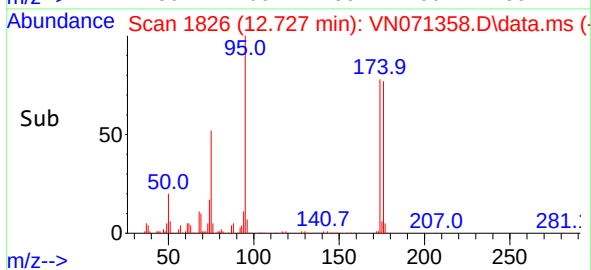
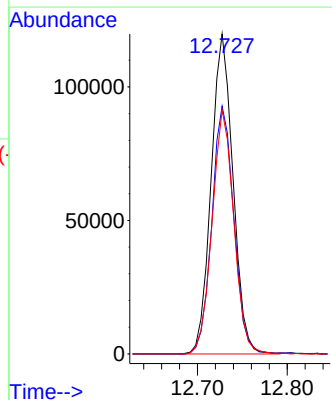
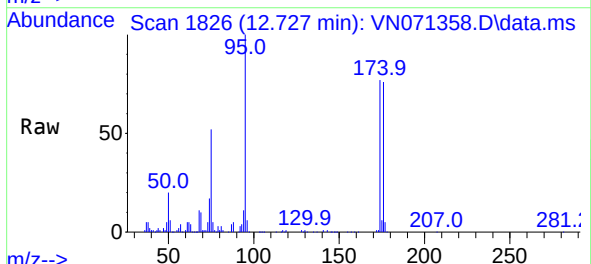
Instrument :
MSVOA_N
ClientSampleId :
EFF-WW

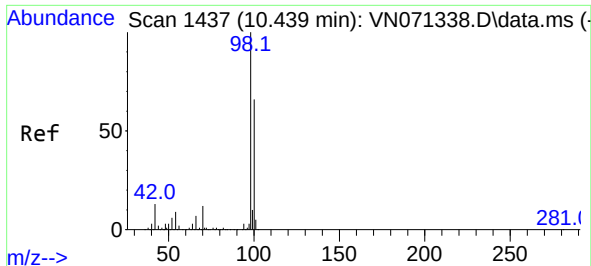
Tgt Ion: 43 Resp: 3066
Ion Ratio Lower Upper
43 100
58 26.4 42.2 63.2#
57 14.6 15.0 22.4#



#60
4-Bromofluorobenzene
Concen: 28.343 ug/l
RT: 12.727 min Scan# 1826
Delta R.T. 0.000 min
Lab File: VN071358.D
Acq: 17 Mar 2022 17:58

Tgt Ion: 95 Resp: 202093
Ion Ratio Lower Upper
95 100
174 78.2 62.9 94.3
176 75.8 61.0 91.4

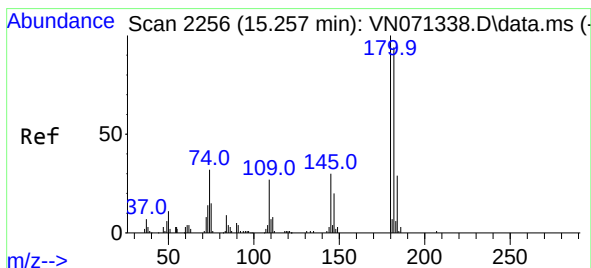
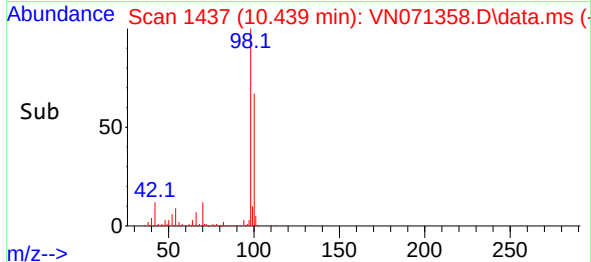
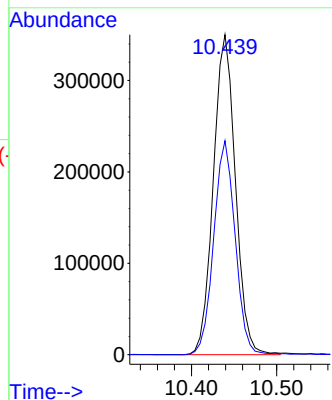
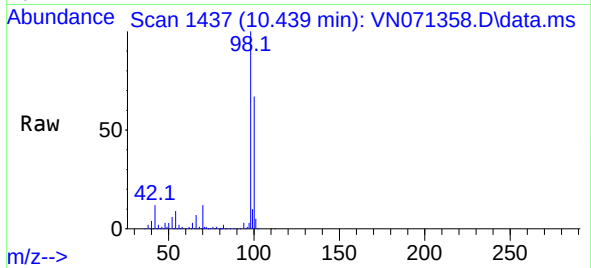




#63
Toluene-d8
Concen: 29.761 ug/l
RT: 10.439 min Scan# 1437
Delta R.T. 0.000 min
Lab File: VN071358.D
Acq: 17 Mar 2022 17:58

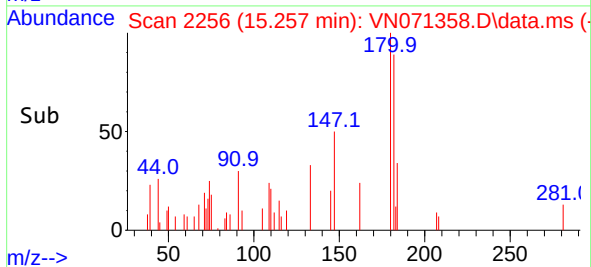
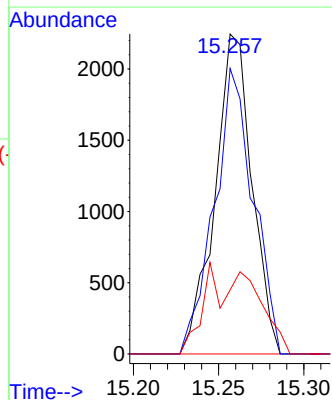
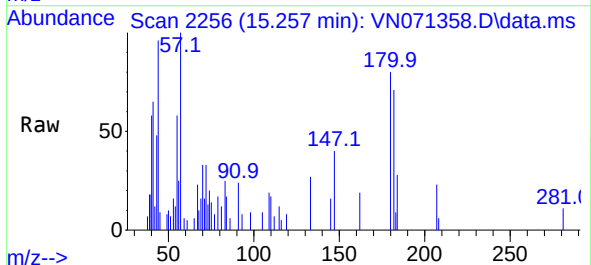
Instrument :
MSVOA_N
ClientSampleId :
EFF-WW

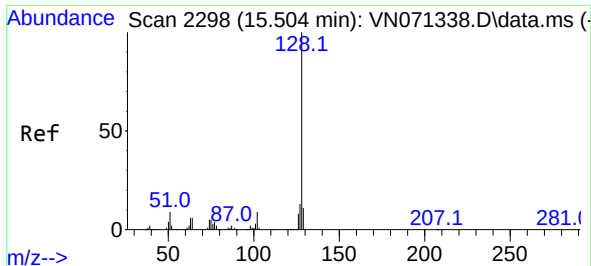
Tgt Ion: 98 Resp: 631853
Ion Ratio Lower Upper
98 100
100 64.8 50.6 76.0



#89
1,2,4-Trichlorobenzene
Concen: 0.712 ug/l
RT: 15.257 min Scan# 2256
Delta R.T. 0.000 min
Lab File: VN071358.D
Acq: 17 Mar 2022 17:58

Tgt Ion:180 Resp: 3403
Ion Ratio Lower Upper
180 100
182 93.8 77.7 116.5
145 24.0 26.6 39.8#

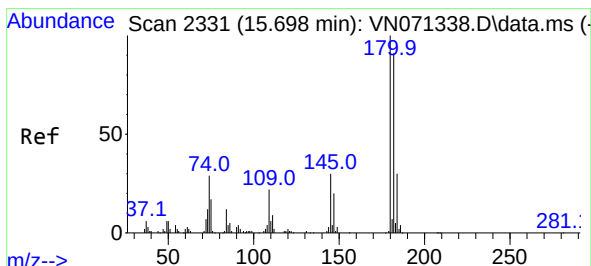
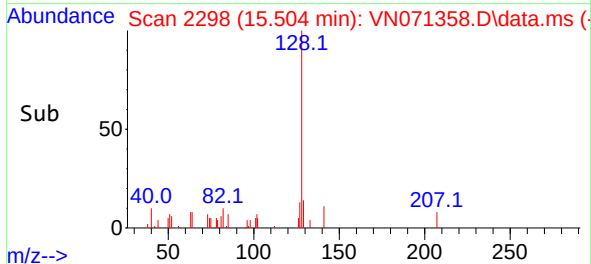
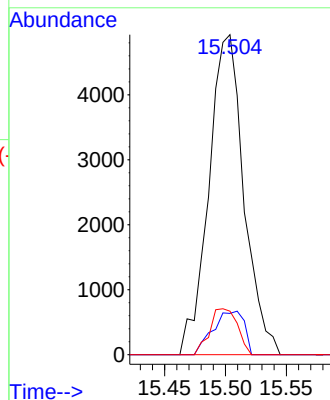
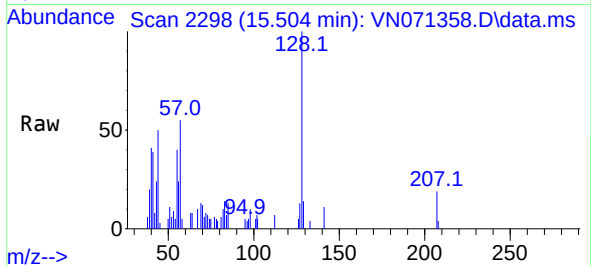




#91
Naphthalene
Concen: 0.661 ug/l
RT: 15.504 min Scan# 21
Delta R.T. 0.000 min
Lab File: VN071358.D
Acq: 17 Mar 2022 17:58

Instrument :
MSVOA_N
ClientSampleId :
EFF-WW

Tgt Ion:	128	Resp:	9877
Ion	Ratio	Lower	Upper
128	100		
127	12.1	10.7	16.1
129	11.3	9.0	13.6



#92
1,2,3-Trichlorobenzene
Concen: 0.695 ug/l
RT: 15.257 min Scan# 2256
Delta R.T. -0.441 min
Lab File: VN071358.D
Acq: 17 Mar 2022 17:58

Tgt Ion:	180	Resp:	3403
Ion	Ratio	Lower	Upper
180	100		
182	93.8	0.0	190.0
145	24.0	0.0	67.8

