

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN062323\
 Data File : VN078380.D
 Acq On : 23 Jun 2023 16:03
 Operator : JC\MD
 Sample : 03324-01 5X
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 18 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 EFF-WW

Quant Time: Jun 24 01:22:13 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\624N062323W.M
 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
 QLast Update : Sat Jun 24 00:59:50 2023
 Response via : Initial Calibration

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

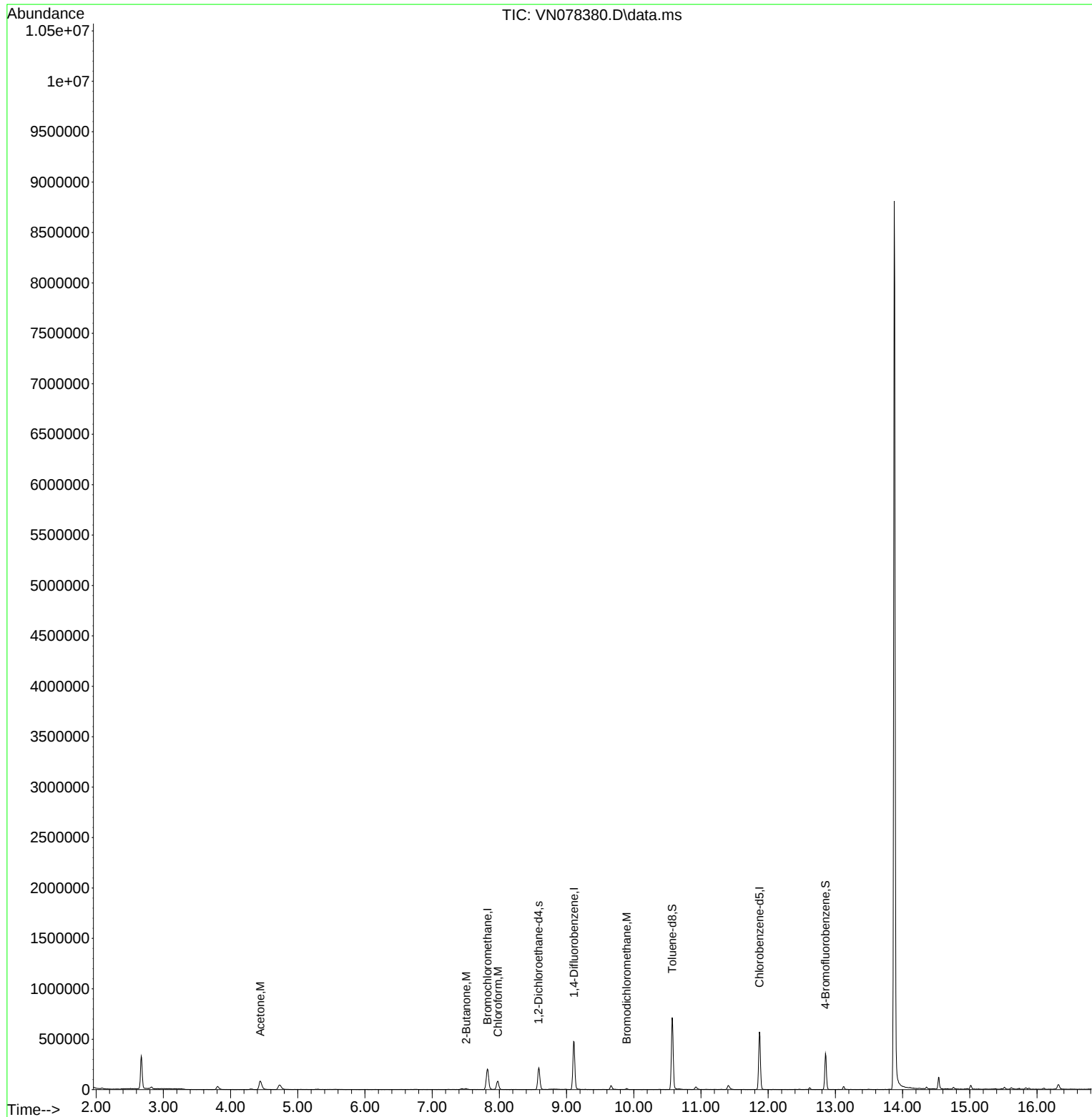
Internal Standards						
1) Bromochloromethane	7.824	128	75533	30.000	ug/l	0.00
28) 1,4-Difluorobenzene	9.112	114	420165	30.000	ug/l	0.00
57) Chlorobenzene-d5	11.870	117	348160	30.000	ug/l	0.00
System Monitoring Compounds						
27) 1,2-Dichloroethane-d4	8.582	65	179567	31.570	ug/l	0.00
Spiked Amount	30.000	Range	91 - 110	Recovery	=	105.233%
60) 4-Bromofluorobenzene	12.853	95	125663	25.618	ug/l	0.00
Spiked Amount	30.000	Range	63 - 112	Recovery	=	85.400%
63) Toluene-d8	10.570	98	509559	30.207	ug/l	0.00
Spiked Amount	30.000	Range	91 - 112	Recovery	=	100.700%
Target Compounds						
					Qvalue	
15) Acetone	4.441	58	50978	99.917	ug/l	99
25) Chloroform	7.977	83	82108	9.132	ug/l	96
30) 2-Butanone	7.506	43	14695	6.437	ug/l #	96
41) Bromodichloromethane	9.894	83	6034	0.885	ug/l #	85

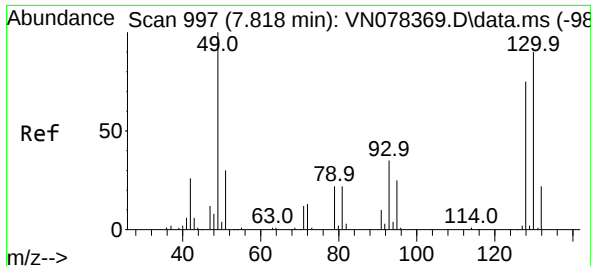
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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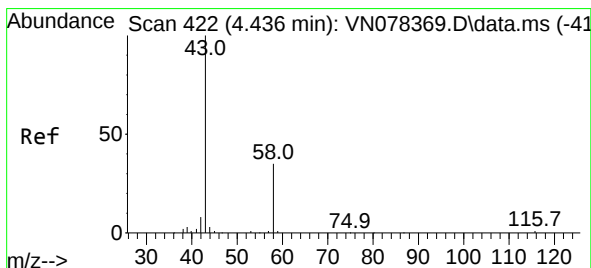
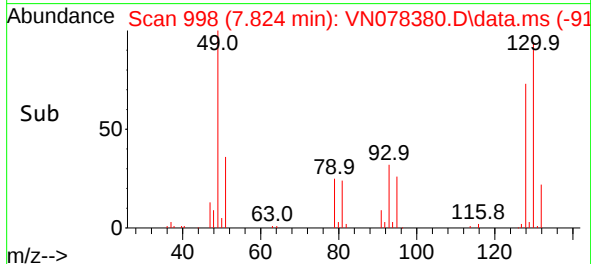
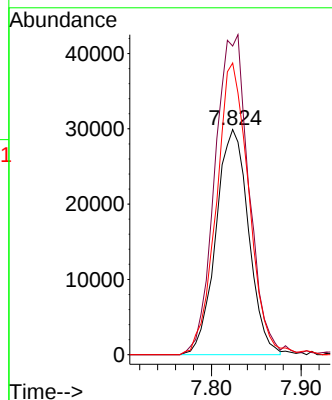
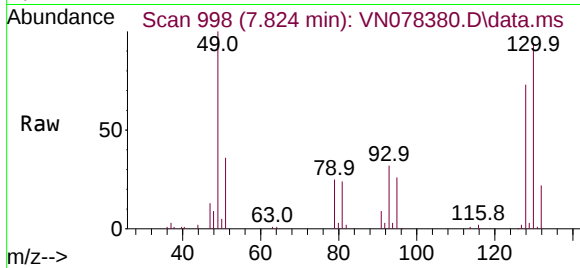




#1
Bromochloromethane
Concen: 30.000 ug/l
RT: 7.824 min Scan# 998
Delta R.T. 0.006 min
Lab File: VN078380.D
Acq: 23 Jun 2023 16:03

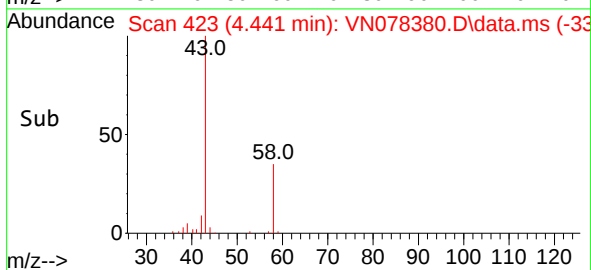
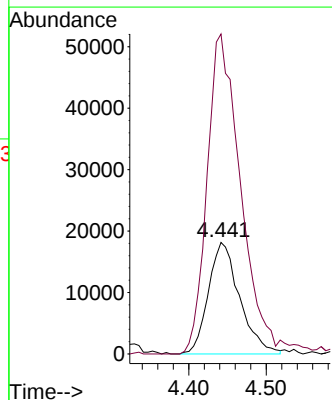
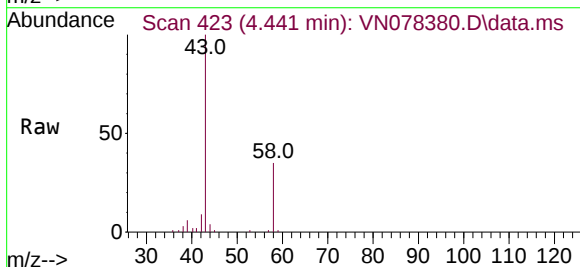
Instrument :
MSVOA_N
ClientSampleId :
EFF-WW

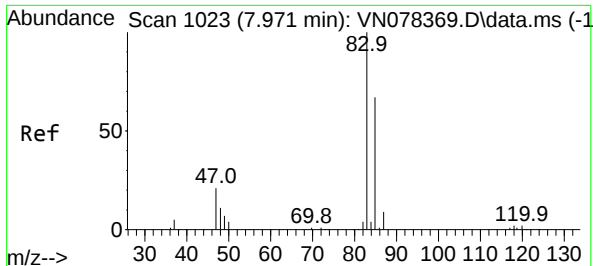
Tgt Ion:128 Resp: 75533
Ion Ratio Lower Upper
128 100
49 147.5 0.0 370.8
130 128.8 0.0 307.0



#15
Acetone
Concen: 99.917 ug/l
RT: 4.441 min Scan# 423
Delta R.T. 0.006 min
Lab File: VN078380.D
Acq: 23 Jun 2023 16:03

Tgt Ion: 58 Resp: 50978
Ion Ratio Lower Upper
58 100
43 286.8 227.5 341.3





#25

Chloroform

Concen: 9.132 ug/l

RT: 7.977 min Scan# 1

Delta R.T. 0.006 min

Lab File: VN078380.D

Acq: 23 Jun 2023 16:03

Instrument :

MSVOA_N

ClientSampleId :

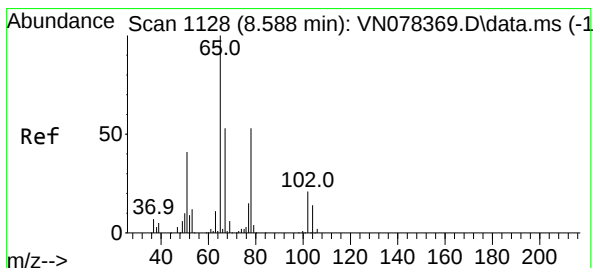
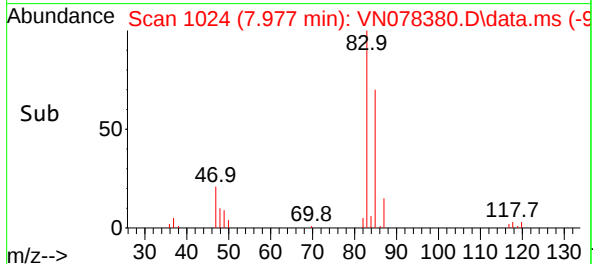
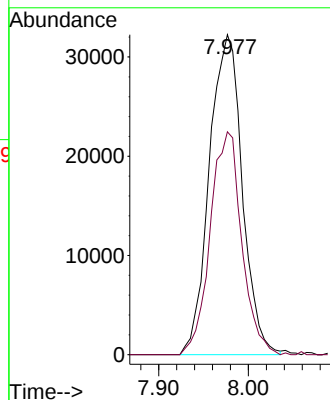
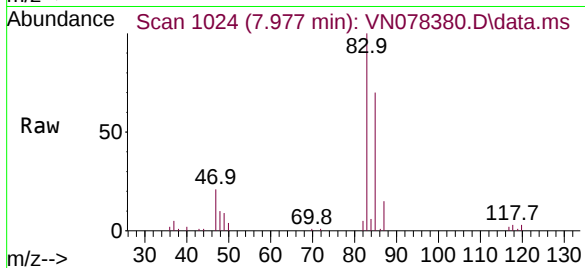
EFF-WW

Tgt Ion: 83 Resp: 82108

Ion Ratio Lower Upper

83 100

85 69.6 53.4 80.0



#27

1,2-Dichloroethane-d4

Concen: 31.570 ug/l

RT: 8.582 min Scan# 1127

Delta R.T. -0.006 min

Lab File: VN078380.D

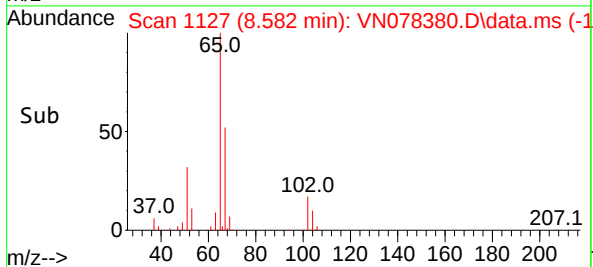
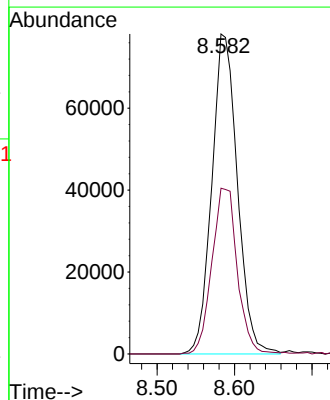
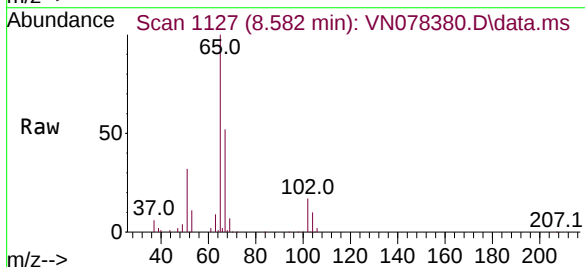
Acq: 23 Jun 2023 16:03

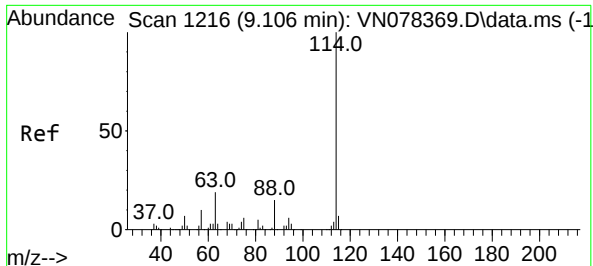
Tgt Ion: 65 Resp: 179567

Ion Ratio Lower Upper

65 100

67 51.3 42.9 64.3





#28

1,4-Difluorobenzene

Concen: 30.000 ug/l

RT: 9.112 min Scan# 114

Delta R.T. 0.006 min

Lab File: VN078380.D

Acq: 23 Jun 2023 16:03

Instrument :

MSVOA_N

ClientSampleId :

EFF-WW

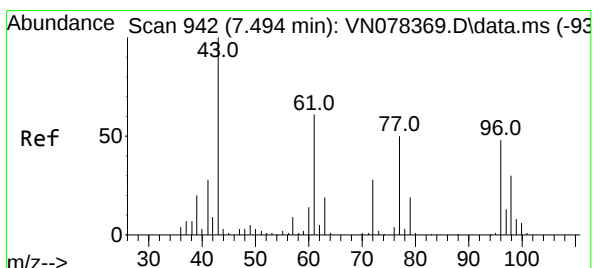
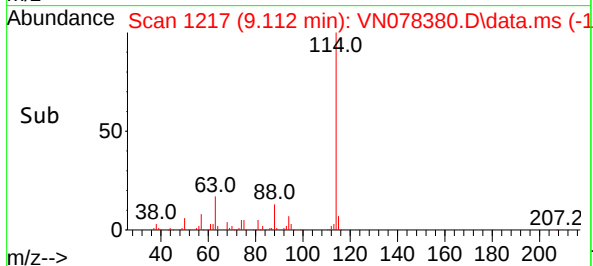
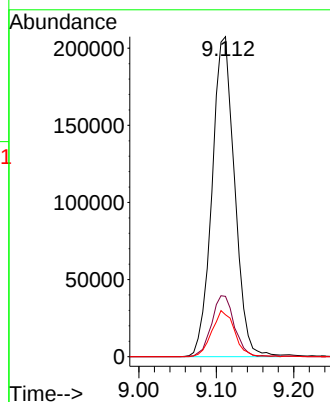
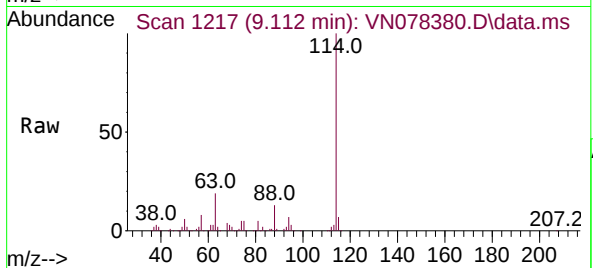
Tgt Ion:114 Resp: 420165

Ion Ratio Lower Upper

114 100

63 19.1 15.2 22.8

88 14.5 12.5 18.7



#30

2-Butanone

Concen: 6.437 ug/l

RT: 7.506 min Scan# 944

Delta R.T. 0.012 min

Lab File: VN078380.D

Acq: 23 Jun 2023 16:03

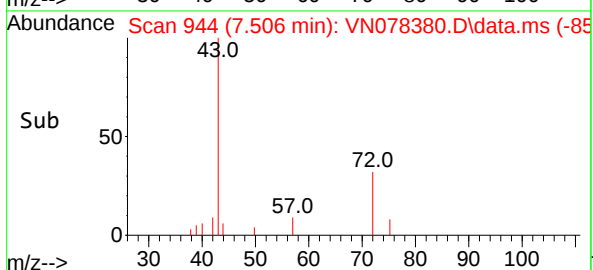
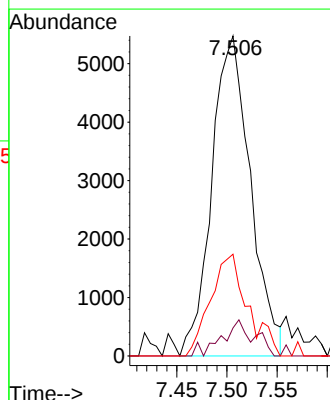
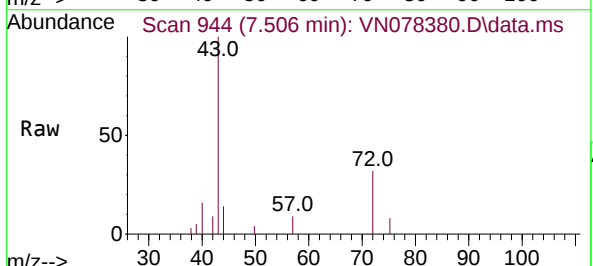
Tgt Ion: 43 Resp: 14695

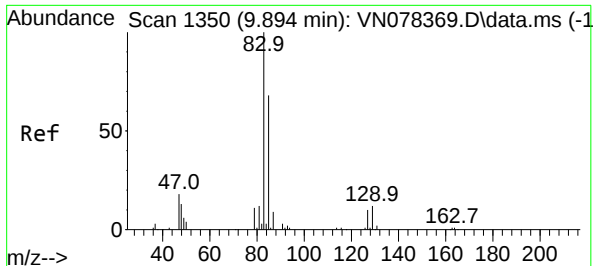
Ion Ratio Lower Upper

43 100

57 6.6 6.8 10.2#

72 27.5 23.8 35.6

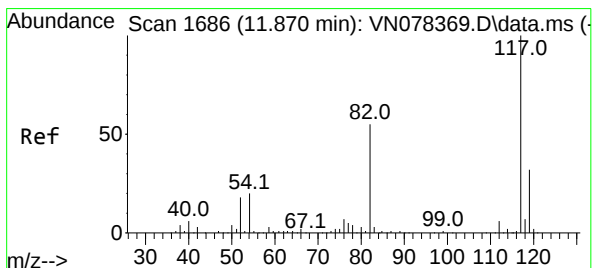
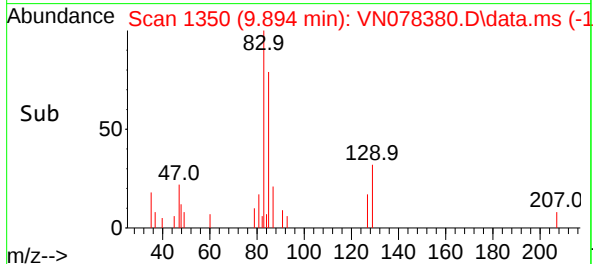
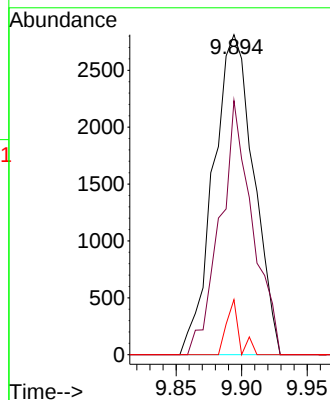
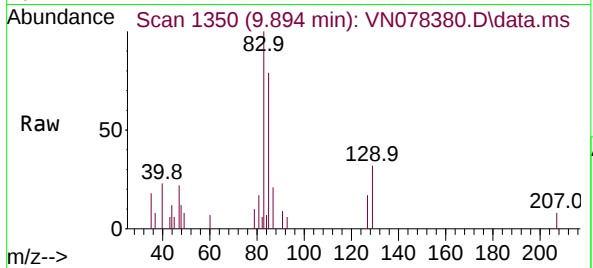




#41
Bromodichloromethane
Concen: 0.885 ug/l
RT: 9.894 min Scan# 11
Delta R.T. -0.000 min
Lab File: VN078380.D
Acq: 23 Jun 2023 16:03

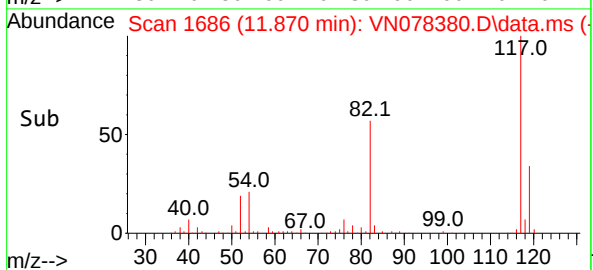
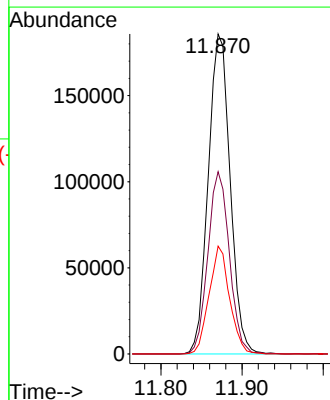
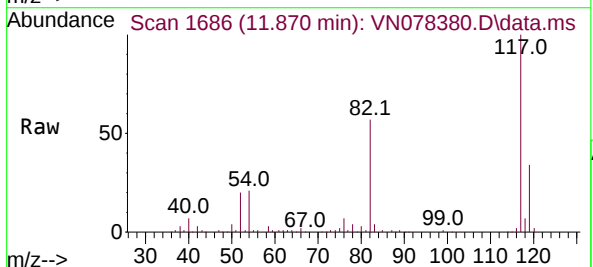
Instrument :
MSVOA_N
ClientSampleId :
EFF-WW

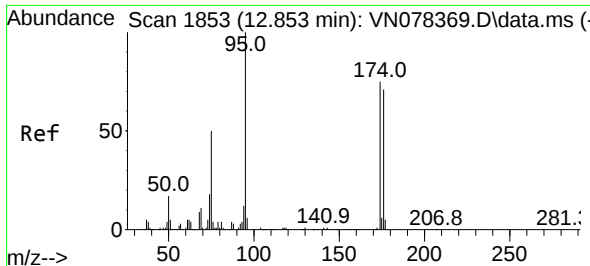
Tgt Ion: 83 Resp: 6034
Ion Ratio Lower Upper
83 100
85 79.4 54.1 81.1
127 17.2 7.8 11.6#



#57
Chlorobenzene-d5
Concen: 30.000 ug/l
RT: 11.870 min Scan# 1686
Delta R.T. 0.000 min
Lab File: VN078380.D
Acq: 23 Jun 2023 16:03

Tgt Ion: 117 Resp: 348160
Ion Ratio Lower Upper
117 100
82 55.7 43.9 65.9
119 31.6 26.2 39.4

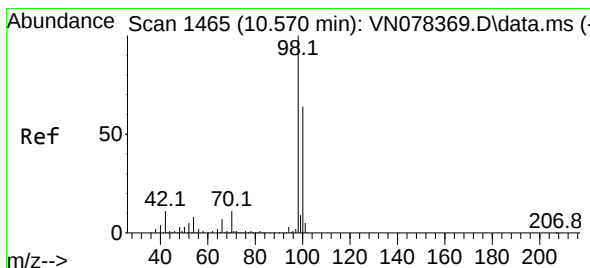
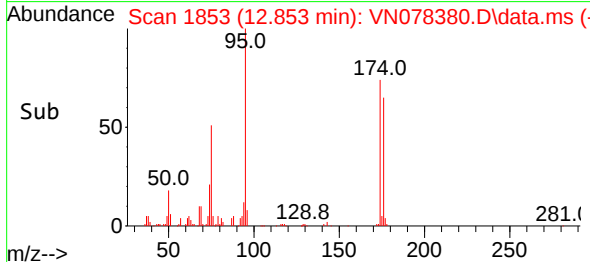
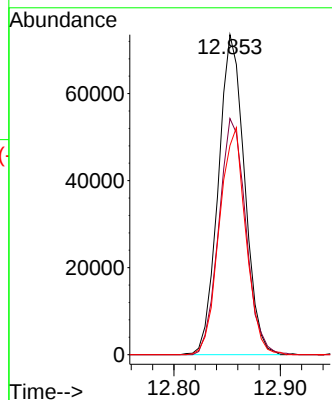
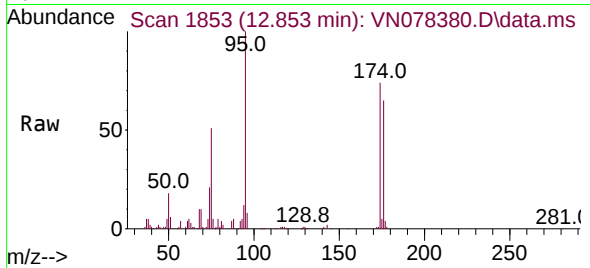




#60
4-Bromofluorobenzene
Concen: 25.618 ug/l
RT: 12.853 min Scan# 11
Delta R.T. -0.000 min
Lab File: VN078380.D
Acq: 23 Jun 2023 16:03

Instrument :
MSVOA_N
ClientSampleId :
EFF-WW

Tgt Ion: 95 Resp: 125663
Ion Ratio Lower Upper
95 100
174 76.0 61.7 92.5
176 71.5 58.1 87.1



#63
Toluene-d8
Concen: 30.207 ug/l
RT: 10.570 min Scan# 1465
Delta R.T. 0.000 min
Lab File: VN078380.D
Acq: 23 Jun 2023 16:03

Tgt Ion: 98 Resp: 509559
Ion Ratio Lower Upper
98 100
100 62.1 49.7 74.5

