

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)

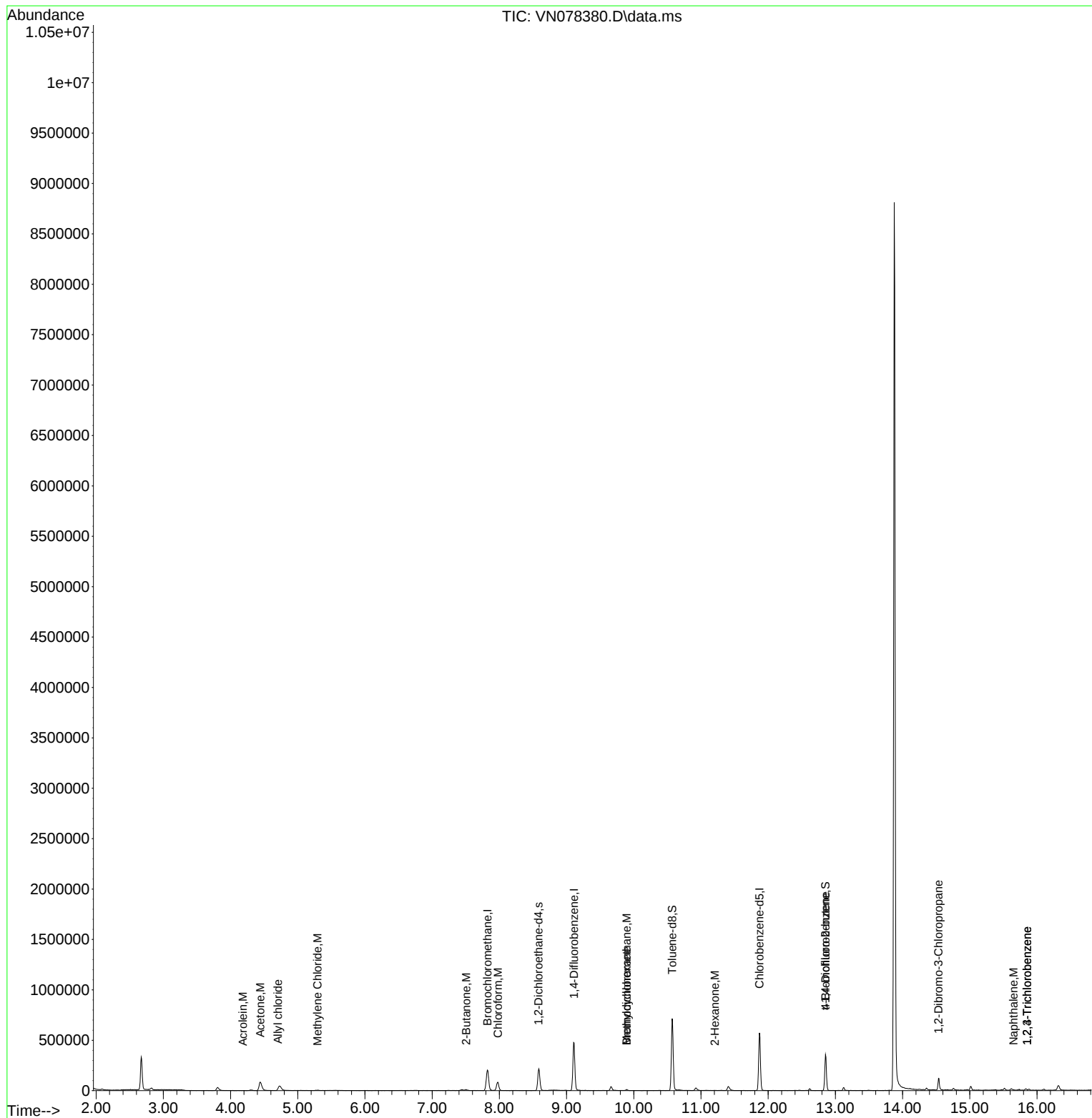
Internal Standards						
1) Bromochloromethane	7.824	128	75533	30.000	ug/l	0.00
28) 1,4-Difluorobenzene	9.112	114	420165	30.000	ug/l	0.00
57) Chlorobenzene-d5	11.870	117	348160	30.000	ug/l	0.00
System Monitoring Compounds						
27) 1,2-Dichloroethane-d4	8.582	65	179567	31.570	ug/l	0.00
Spiked Amount	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	
13) Acrolein	4.183	56	246	0.297	ug/l	95
15) Acetone	4.441	58	50978	99.917	ug/l	99
17) Allyl chloride	4.706	41	1926	0.361	ug/l	92
18) Methylene Chloride	5.294	84	1320	0.262	ug/l #	52
25) Chloroform	7.977	83	82108	9.132	ug/l	96
30) 2-Butanone	7.506	43	14695	6.437	ug/l #	96
38) Methylcyclohexane	9.894	83	6034	1.054	ug/l #	23
41) Bromodichloromethane	9.894	83	6034	0.885	ug/l #	85
59) 2-Hexanone	11.206	43	1053	0.328	ug/l #	76
77) t-1,4-Dichloro-2-butene	12.853	75	65852	40.462	ug/l #	15
88) 1,2-Dibromo-3-Chloropr...	14.535	75	3568	3.920	ug/l #	2
89) 1,2,4-Trichlorobenzene	15.853	180	519	0.244	ug/l #	45
91) Naphthalene	15.653	128	2734	0.392	ug/l #	84
92) 1,2,3-Trichlorobenzene	15.853	180	519	0.211	ug/l #	41

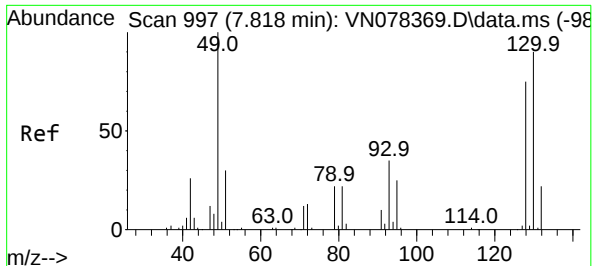
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN062323\
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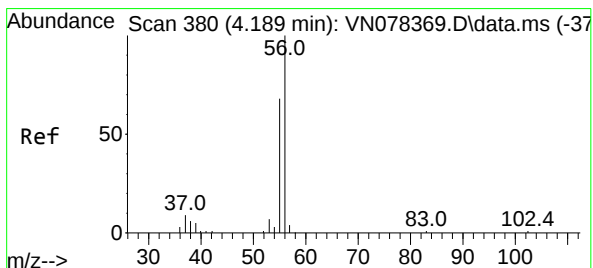
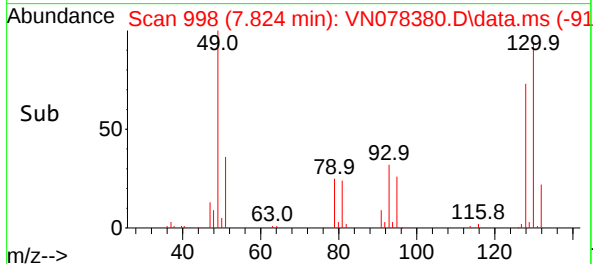
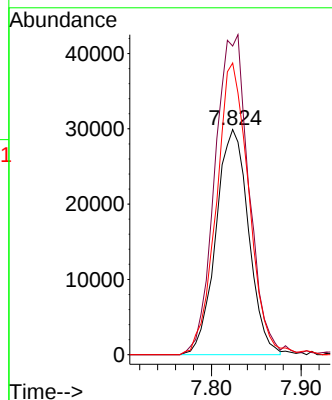
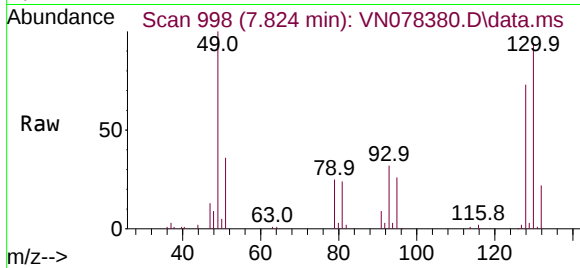




#1
Bromochloromethane
Concen: 30.000 ug/l
RT: 7.824 min Scan# 91
Delta R.T. 0.006 min
Lab File: VN078380.D
Acq: 23 Jun 2023 16:03

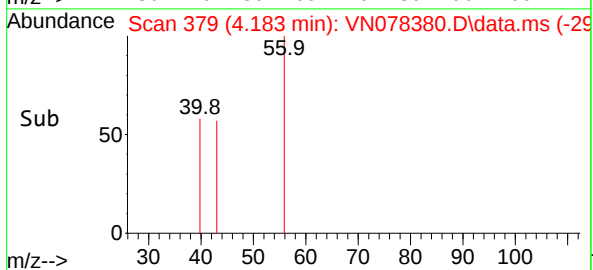
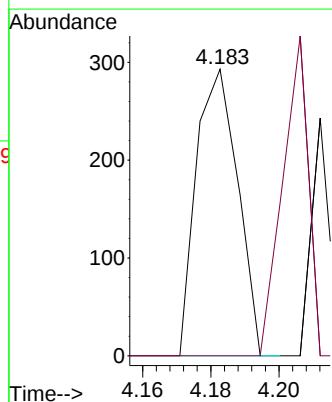
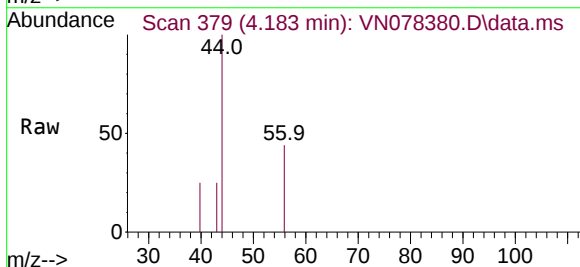
Instrument :
MSVOA_N
ClientSampleId :
EFF-WW

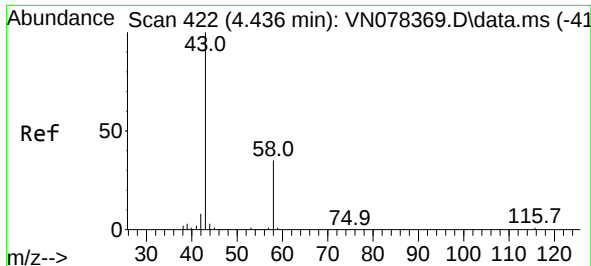
Tgt Ion:128 Resp: 75533
Ion Ratio Lower Upper
128 100
49 147.5 0.0 370.8
130 128.8 0.0 307.0



#13
Acrolein
Concen: 0.297 ug/l
RT: 4.183 min Scan# 379
Delta R.T. -0.006 min
Lab File: VN078380.D
Acq: 23 Jun 2023 16:03

Tgt Ion: 56 Resp: 246
Ion Ratio Lower Upper
56 100
55 69.5 59.0 88.4

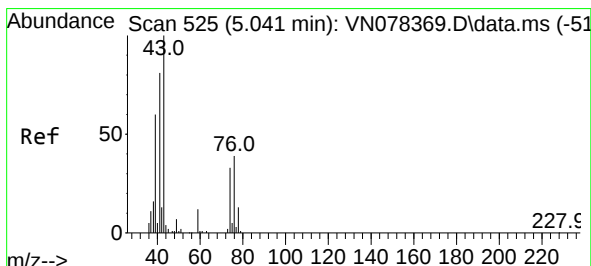
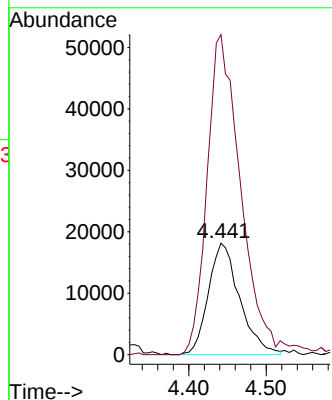
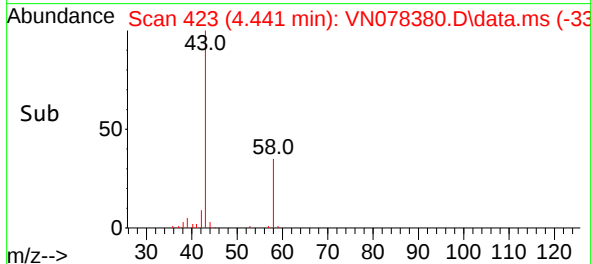
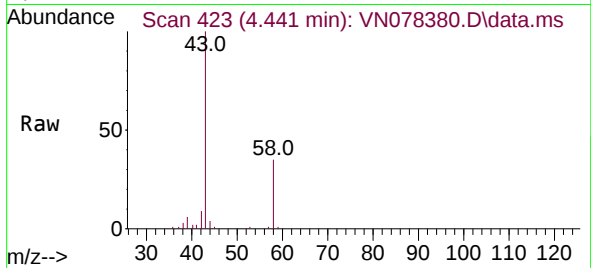




#15
Acetone
Concen: 99.917 ug/l
RT: 4.441 min Scan# 41
Delta R.T. 0.006 min
Lab File: VN078380.D
Acq: 23 Jun 2023 16:03

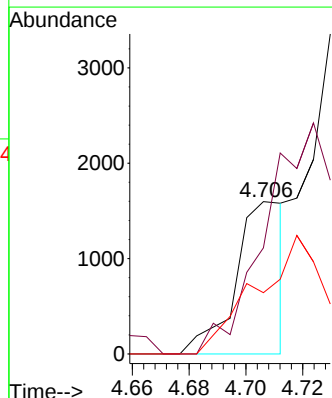
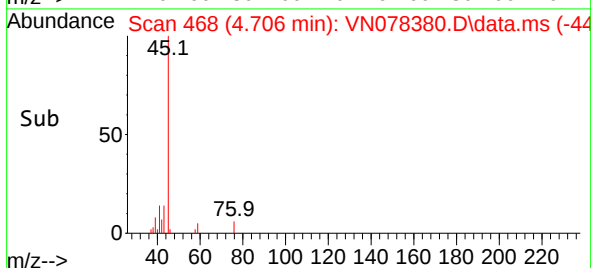
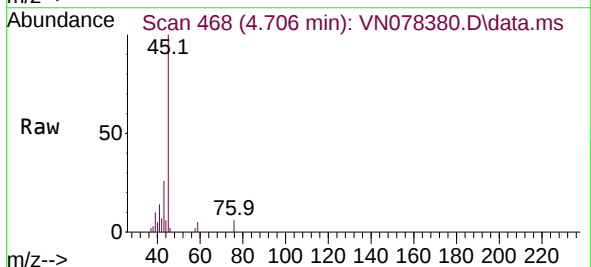
Instrument :
MSVOA_N
ClientSampleId :
EFF-WW

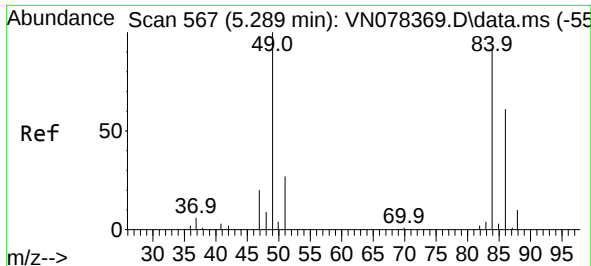
Tgt Ion: 58 Resp: 50978
Ion Ratio Lower Upper
58 100
43 286.8 227.5 341.3



#17
Allyl chloride
Concen: 0.361 ug/l
RT: 4.706 min Scan# 468
Delta R.T. -0.335 min
Lab File: VN078380.D
Acq: 23 Jun 2023 16:03

Tgt Ion: 41 Resp: 1926
Ion Ratio Lower Upper
41 100
39 69.6 37.6 112.8
76 40.2 23.8 71.4

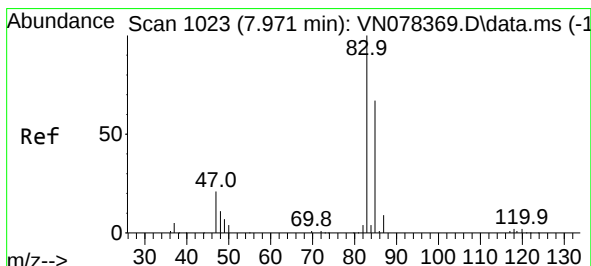
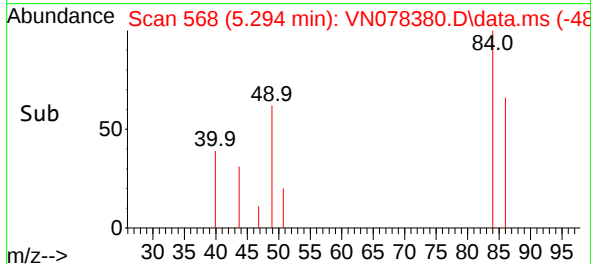
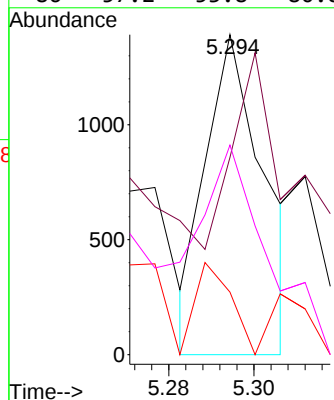
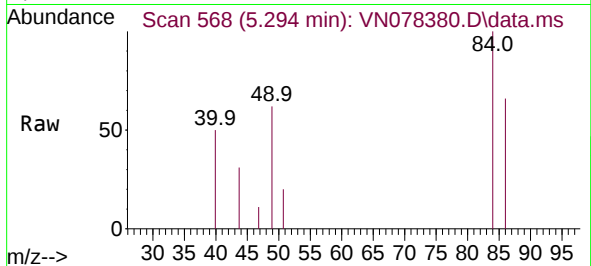




#18
Methylene Chloride
Concen: 0.262 ug/l
RT: 5.294 min Scan# 51
Delta R.T. 0.006 min
Lab File: VN078380.D
Acq: 23 Jun 2023 16:03

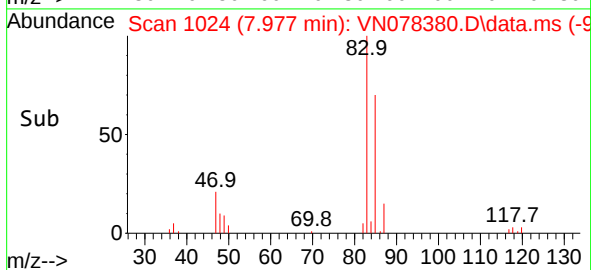
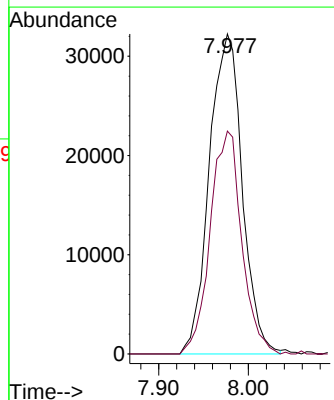
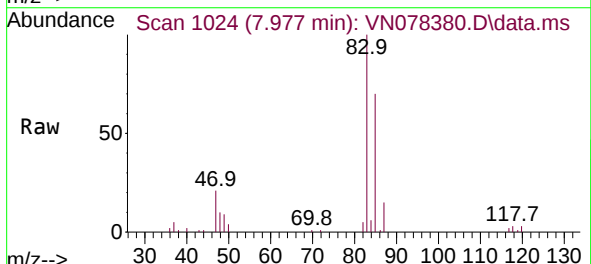
Instrument :
MSVOA_N
ClientSampleId :
EFF-WW

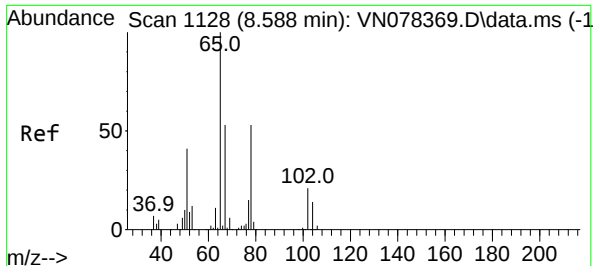
Tgt Ion: 84 Resp: 1320
Ion Ratio Lower Upper
84 100
49 24.8 88.1 132.1#
51 24.5 24.0 36.0
86 57.2 53.8 80.8



#25
Chloroform
Concen: 9.132 ug/l
RT: 7.977 min Scan# 1024
Delta R.T. 0.006 min
Lab File: VN078380.D
Acq: 23 Jun 2023 16:03

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# 1128

Delta R.T. -0.006 min

Lab File: VN078380.D

Acq: 23 Jun 2023 16:03

Instrument :

MSVOA_N

ClientSampleId :

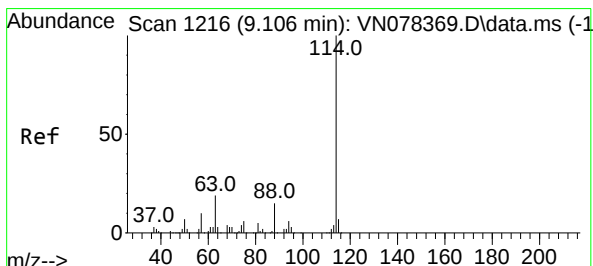
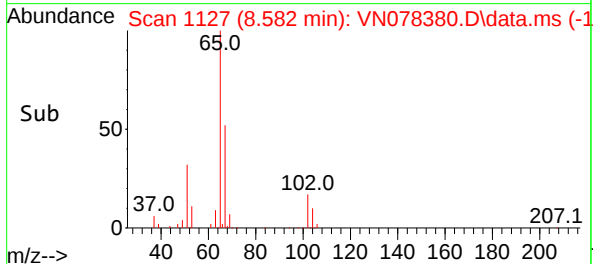
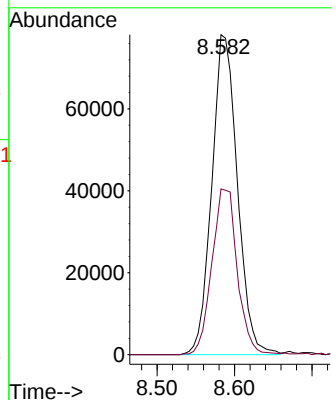
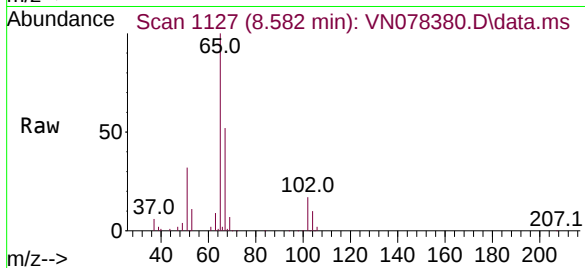
EFF-WW

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# 1217

Delta R.T. 0.006 min

Lab File: VN078380.D

Acq: 23 Jun 2023 16:03

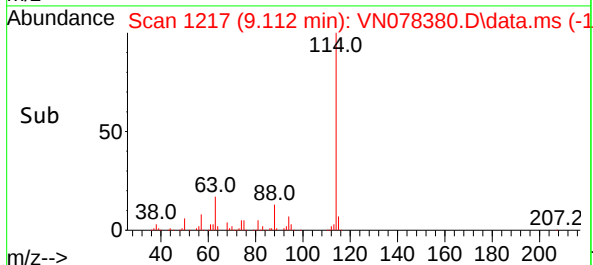
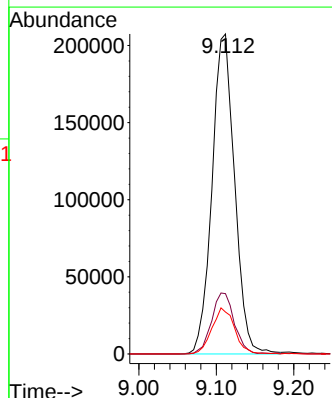
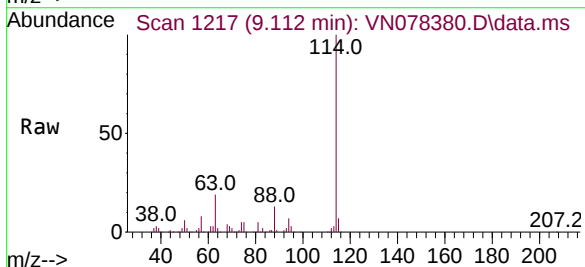
Tgt Ion: 114 Resp: 420165

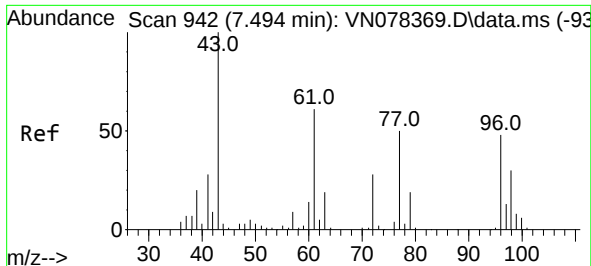
Ion Ratio Lower Upper

114 100

63 19.1 15.2 22.8

88 14.5 12.5 18.7

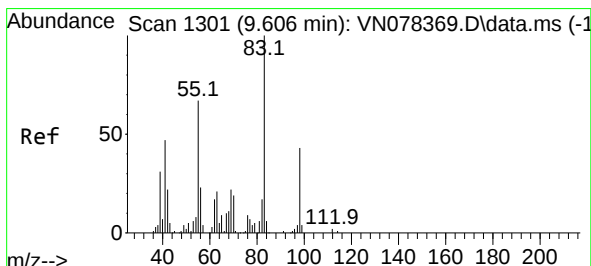
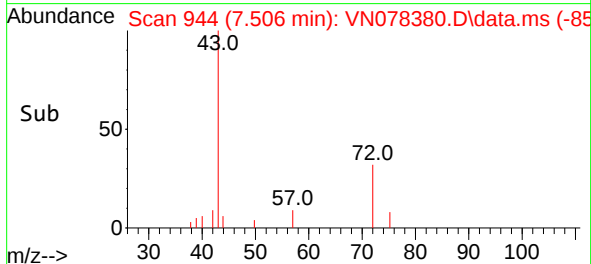
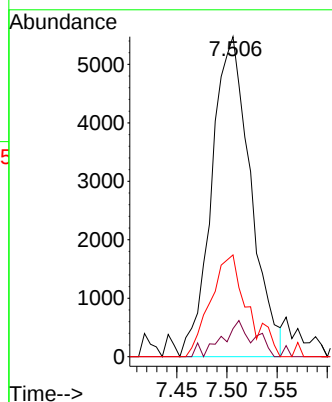
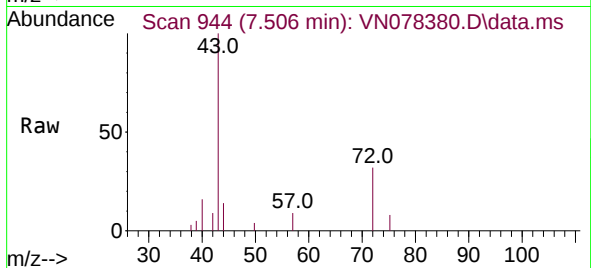




#30
2-Butanone
Concen: 6.437 ug/l
RT: 7.506 min Scan# 944
Delta R.T. 0.012 min
Lab File: VN078380.D
Acq: 23 Jun 2023 16:03

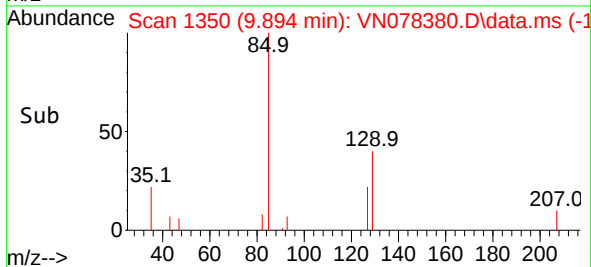
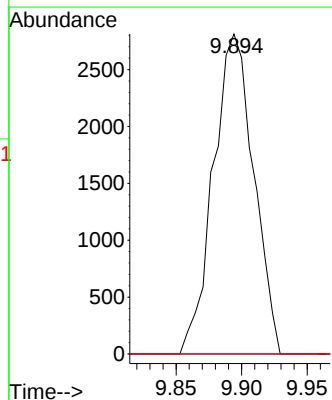
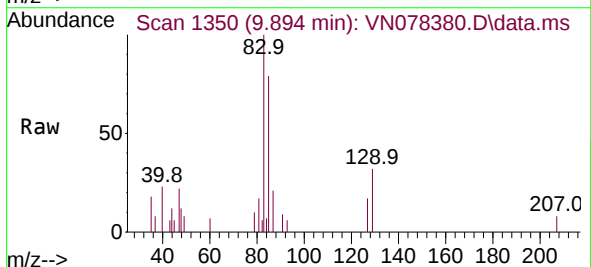
Instrument :
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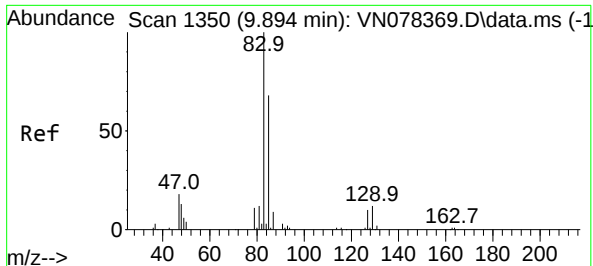
Tgt Ion: 43 Resp: 14695
Ion Ratio Lower Upper
43 100
57 6.6 6.8 10.2#
72 27.5 23.8 35.6



#38
Methylcyclohexane
Concen: 1.054 ug/l
RT: 9.894 min Scan# 1350
Delta R.T. 0.288 min
Lab File: VN078380.D
Acq: 23 Jun 2023 16:03

Tgt Ion: 83 Resp: 6034
Ion Ratio Lower Upper
83 100
55 2.1 34.0 102.0#
98 0.0 23.0 69.0#

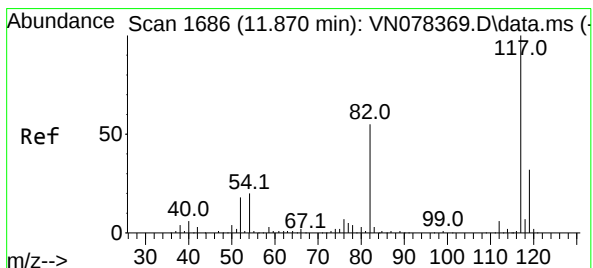
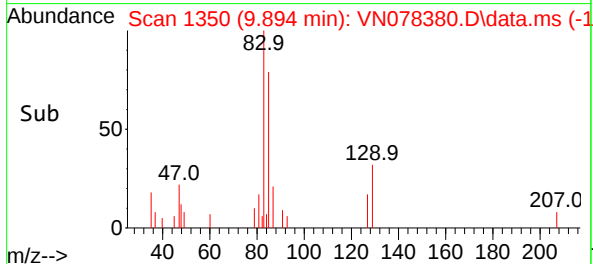
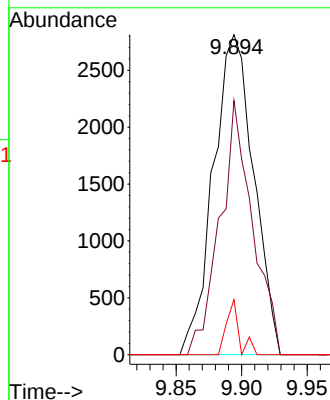
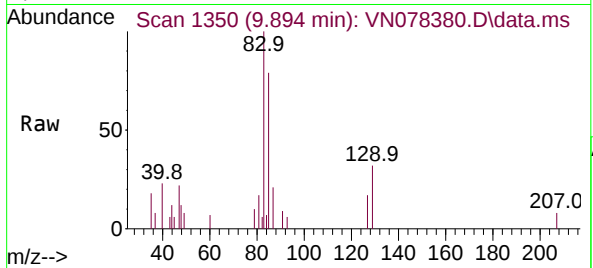




#41
Bromodichloromethane
Concen: 0.885 ug/l
RT: 9.894 min Scan# 11
Delta R.T. -0.000 min
Lab File: VN078380.D
Acq: 23 Jun 2023 16:03

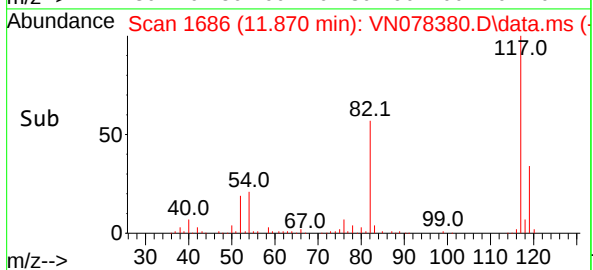
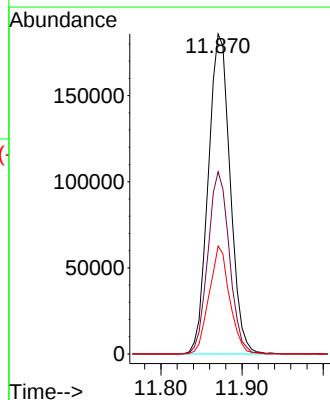
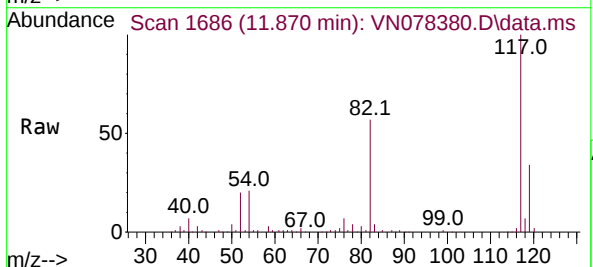
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EFF-WW

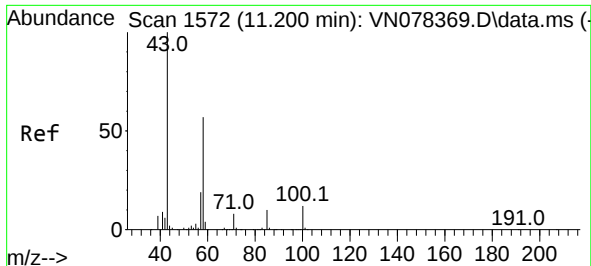
Tgt Ion: 83 Resp: 6034
Ion Ratio Lower Upper
83 100
85 79.4 54.1 81.1
127 17.2 7.8 11.6#



#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

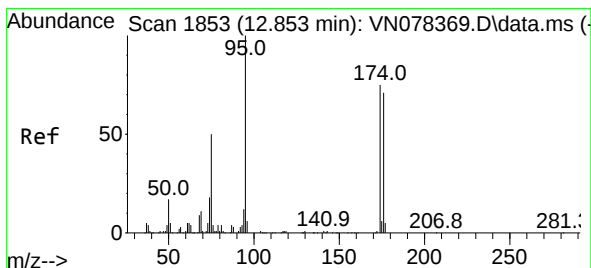
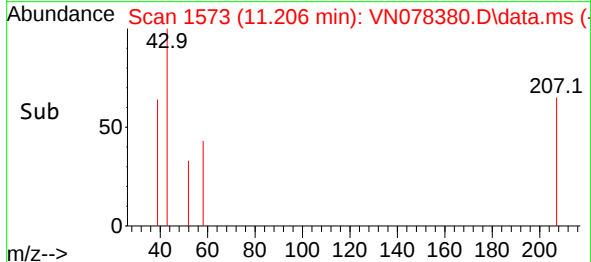
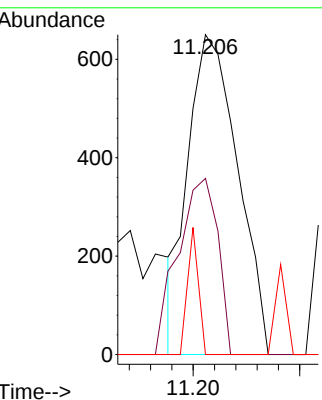
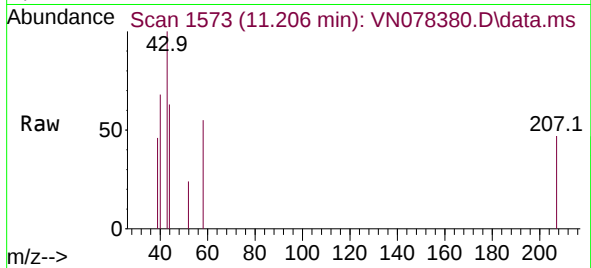




#59
2-Hexanone
Concen: 0.328 ug/l
RT: 11.206 min Scan# 11
Delta R.T. 0.006 min
Lab File: VN078380.D
Acq: 23 Jun 2023 16:03

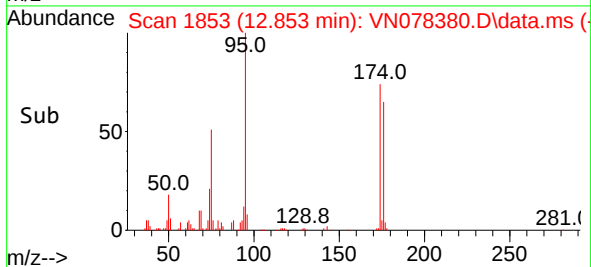
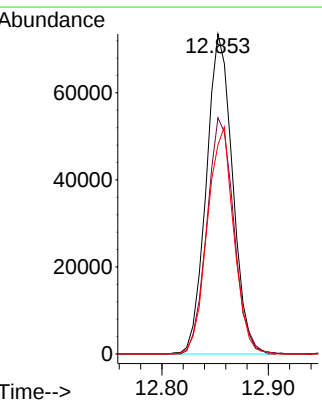
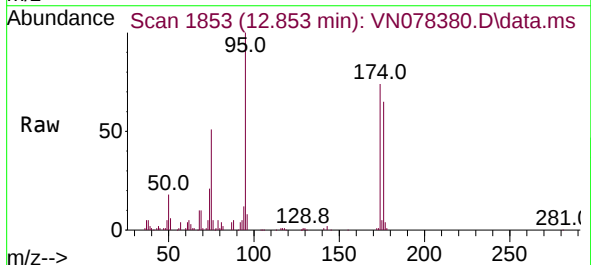
Instrument :
MSVOA_N
ClientSampleId :
EFF-WW

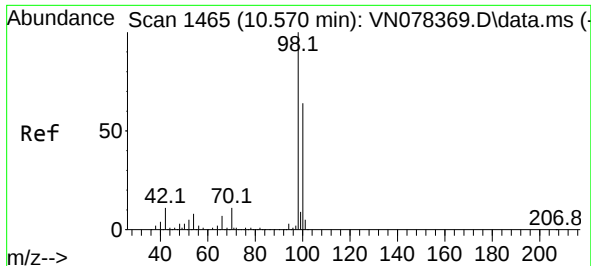
Tgt Ion: 43 Resp: 1053
Ion Ratio Lower Upper
43 100
58 44.2 45.9 68.9#
57 0.0 15.8 23.6#



#60
4-Bromofluorobenzene
Concen: 25.618 ug/l
RT: 12.853 min Scan# 1853
Delta R.T. -0.000 min
Lab File: VN078380.D
Acq: 23 Jun 2023 16:03

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

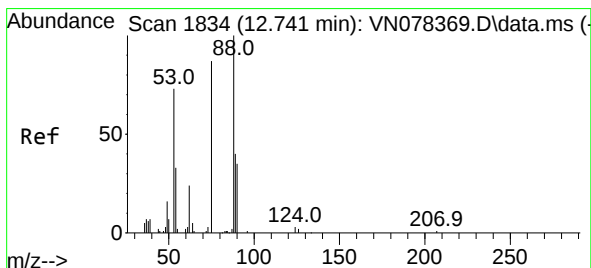
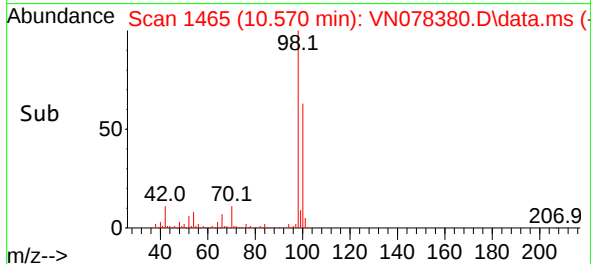
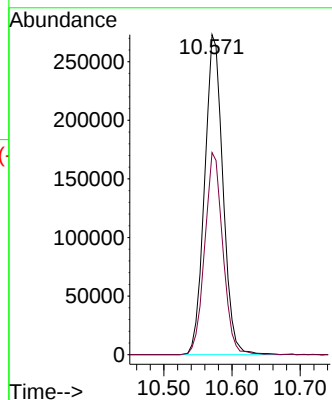
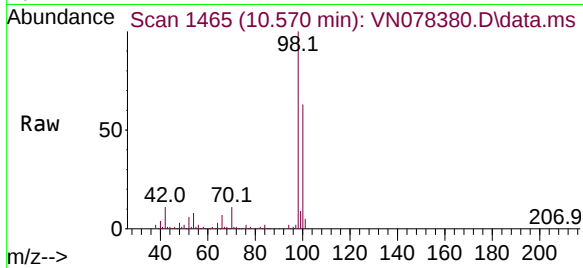




#63
Toluene-d8
Concen: 30.207 ug/l
RT: 10.570 min Scan# 1465
Delta R.T. 0.000 min
Lab File: VN078380.D
Acq: 23 Jun 2023 16:03

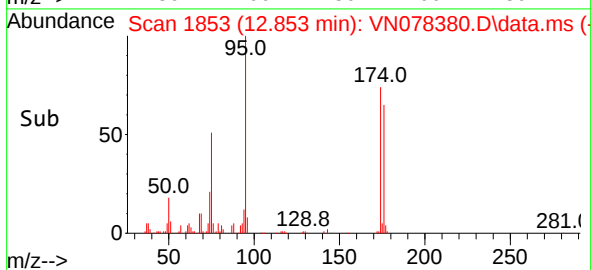
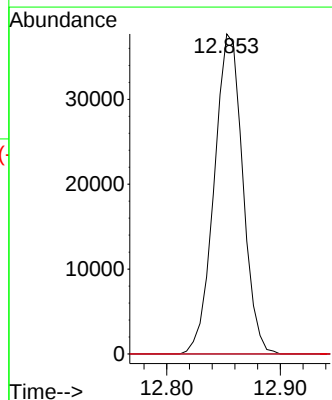
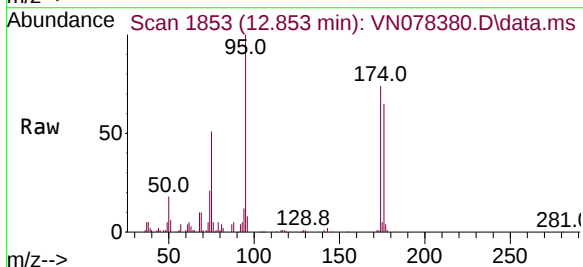
Instrument :
MSVOA_N
ClientSampleId :
EFF-WW

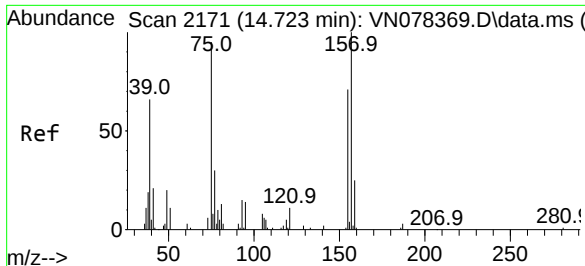
Tgt Ion: 98 Resp: 509559
Ion Ratio Lower Upper
98 100
100 62.1 49.7 74.5



#77
t-1,4-Dichloro-2-butene
Concen: 40.462 ug/l
RT: 12.853 min Scan# 1853
Delta R.T. 0.112 min
Lab File: VN078380.D
Acq: 23 Jun 2023 16:03

Tgt Ion: 75 Resp: 65852
Ion Ratio Lower Upper
75 100
53 0.0 41.6 124.9#
89 0.0 25.1 75.4#

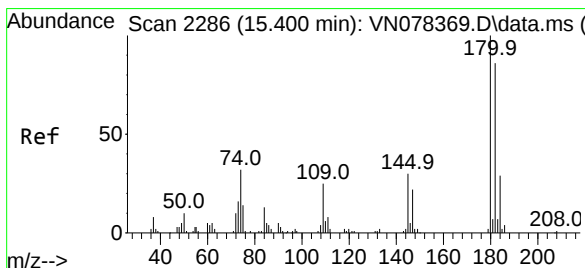
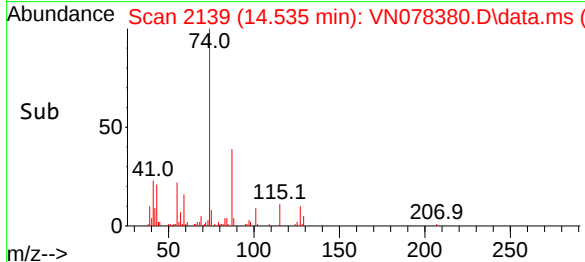
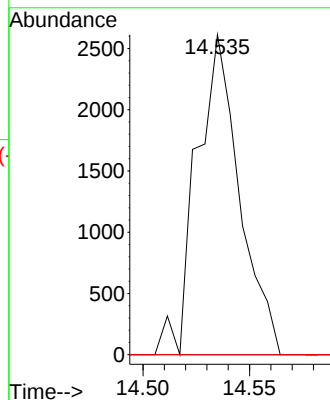
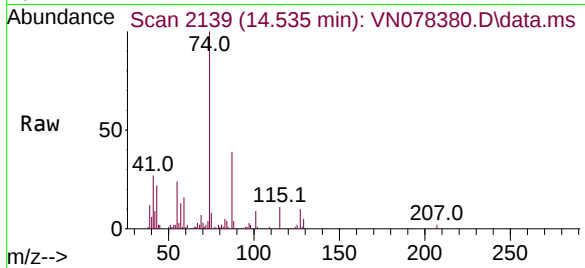




#88
 1,2-Dibromo-3-Chloropropane
 Concen: 3.920 ug/l
 RT: 14.535 min Scan# 2171
 Delta R.T. -0.188 min
 Lab File: VN078380.D
 Acq: 23 Jun 2023 16:03

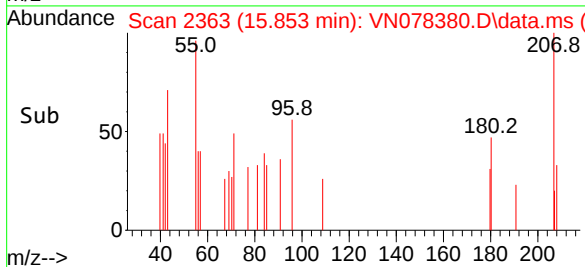
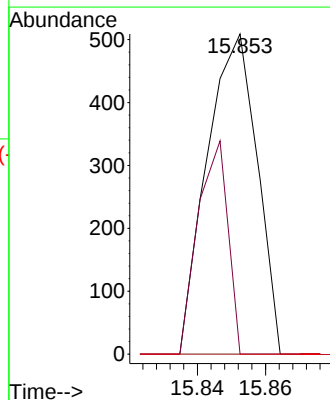
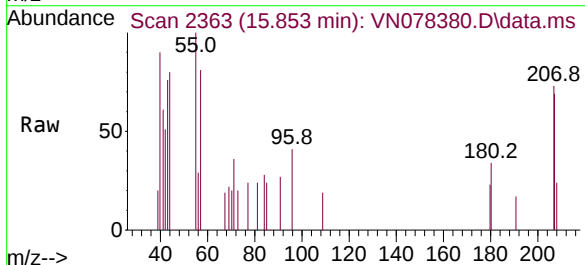
Instrument :
 MSVOA_N
 ClientSampleId :
 EFF-WW

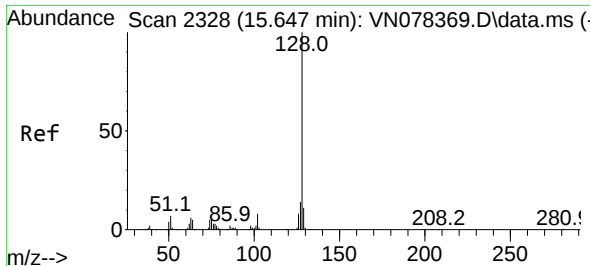
Tgt Ion: 75 Resp: 3568
 Ion Ratio Lower Upper
 75 100
 155 0.0 68.2 102.2#
 157 0.0 84.7 127.1#



#89
 1,2,4-Trichlorobenzene
 Concen: 0.244 ug/l
 RT: 15.853 min Scan# 2363
 Delta R.T. 0.453 min
 Lab File: VN078380.D
 Acq: 23 Jun 2023 16:03

Tgt Ion:180 Resp: 519
 Ion Ratio Lower Upper
 180 100
 182 39.9 73.7 110.5#
 145 0.0 25.0 37.6#

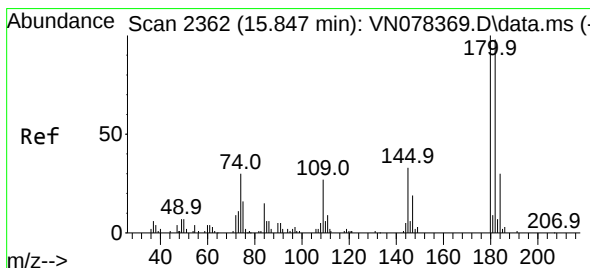
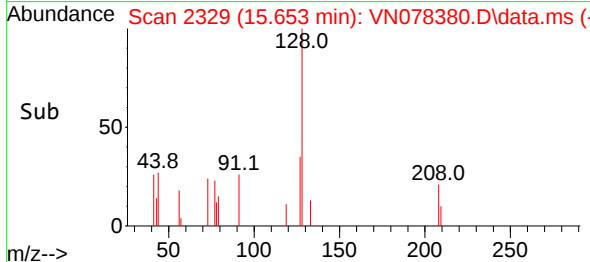
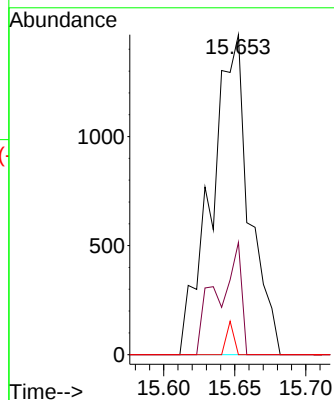
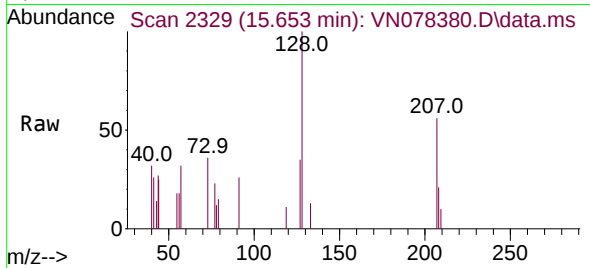




#91
Naphthalene
Concen: 0.392 ug/l
RT: 15.653 min Scan# 2329
Delta R.T. 0.006 min
Lab File: VN078380.D
Acq: 23 Jun 2023 16:03

Instrument :
MSVOA_N
ClientSampleId :
EFF-WW

Tgt Ion:128 Resp: 2734
Ion Ratio Lower Upper
128 100
127 11.1 10.2 15.2
129 0.0 9.0 13.4#



#92
1,2,3-Trichlorobenzene
Concen: 0.211 ug/l
RT: 15.853 min Scan# 2363
Delta R.T. 0.006 min
Lab File: VN078380.D
Acq: 23 Jun 2023 16:03

Tgt Ion:180 Resp: 519
Ion Ratio Lower Upper
180 100
182 39.9 0.0 196.4
145 0.0 0.0 71.0

