

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN022324\
 Data File : VN081159.D
 Acq On : 23 Feb 2024 14:16
 Operator : JC\MD
 Sample : P1500-01 5X
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 EFF-WW

Quant Time: Feb 24 00:13:50 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\624N020924W.M
 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
 QLast Update : Sat Feb 10 01:55:02 2024
 Response via : Initial Calibration

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

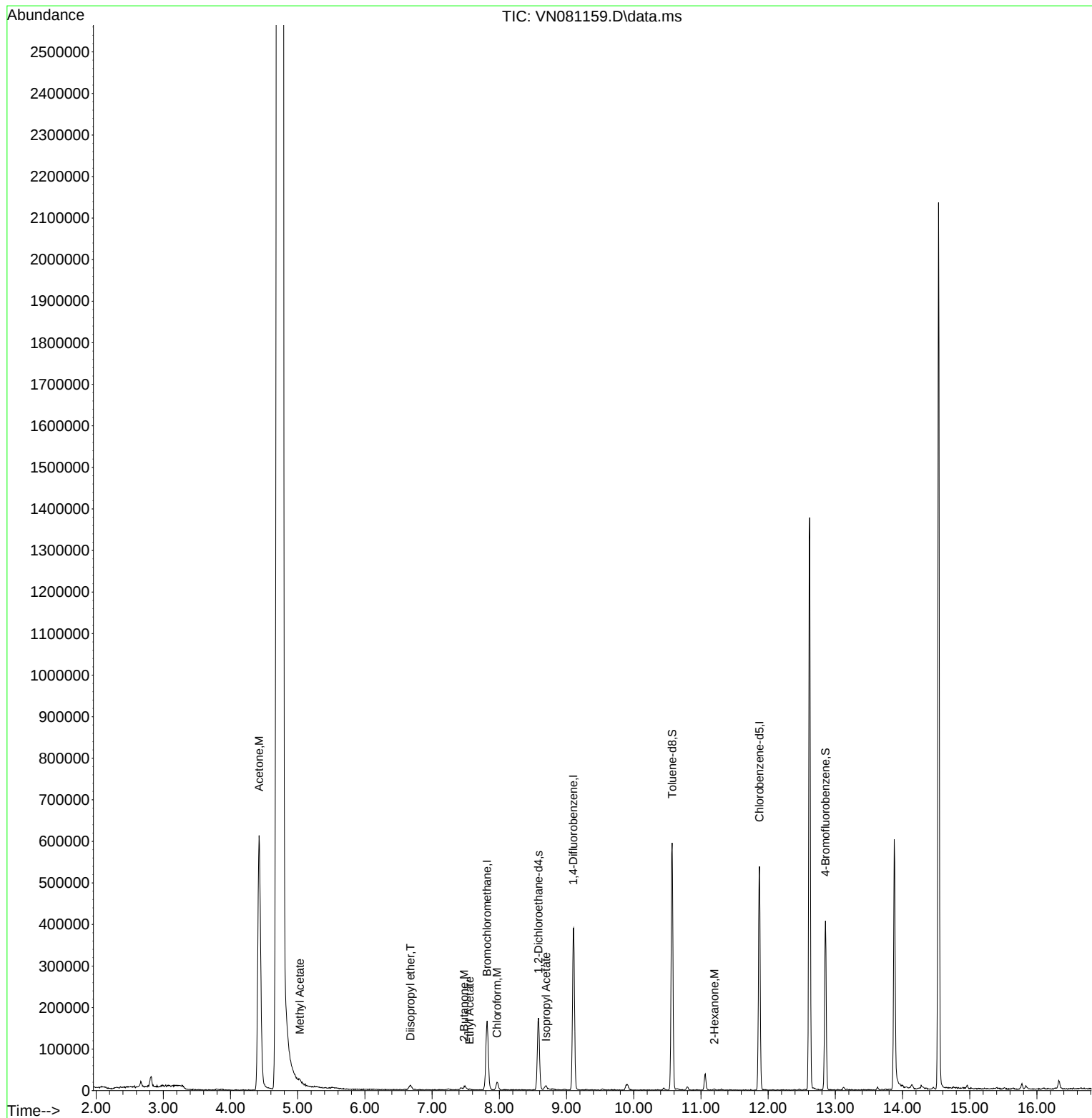
Internal Standards						
1) Bromochloromethane	7.818	128	57434	30.000	ug/l	0.00
28) 1,4-Difluorobenzene	9.100	114	342147	30.000	ug/l	0.00
57) Chlorobenzene-d5	11.871	117	310781	30.000	ug/l	0.00
System Monitoring Compounds						
27) 1,2-Dichloroethane-d4	8.583	65	140313	32.513	ug/l	0.00
Spiked Amount	30.000	Range	91 - 110	Recovery	=	108.367%
60) 4-Bromofluorobenzene	12.853	95	139662	29.395	ug/l	0.00
Spiked Amount	30.000	Range	63 - 112	Recovery	=	98.000%
63) Toluene-d8	10.571	98	415091	29.762	ug/l	0.00
Spiked Amount	30.000	Range	91 - 112	Recovery	=	99.200%
Target Compounds						
					Qvalue	
12) Methyl Acetate	5.030	43	11095	3.736	ug/l	100
15) Acetone	4.424	58	369619	1089.425	ug/l	86
20) Diisopropyl ether	6.677	45	12716	1.285	ug/l #	80
25) Chloroform	7.965	83	17016	2.419	ug/l #	79
30) 2-Butanone	7.477	43	13585	7.265	ug/l #	53
43) Ethyl Acetate	7.559	43	2767	0.710	ug/l	96
44) Isopropyl Acetate	8.694	43	10564	1.510	ug/l #	52
59) 2-Hexanone	11.200	43	2495	0.841	ug/l #	83

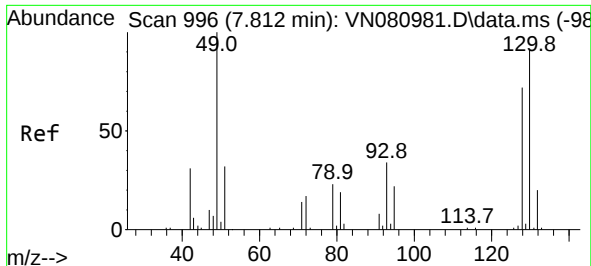
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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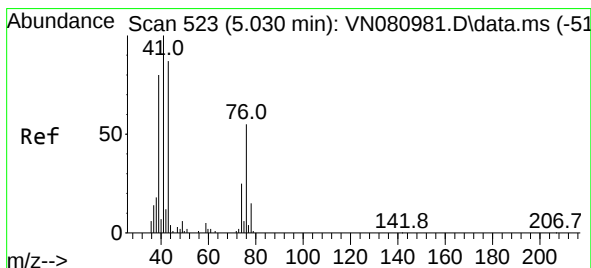
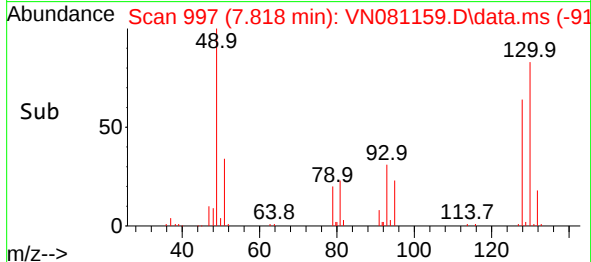
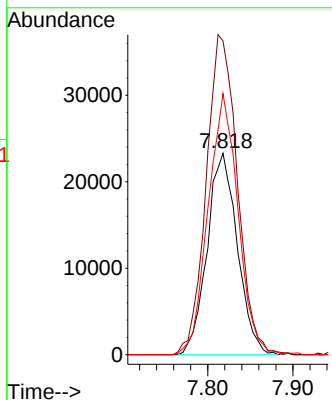
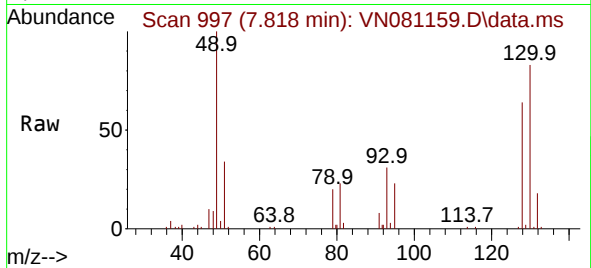




#1
Bromochloromethane
Concen: 30.000 ug/l
RT: 7.818 min Scan# 996
Delta R.T. 0.006 min
Lab File: VN081159.D
Acq: 23 Feb 2024 14:16

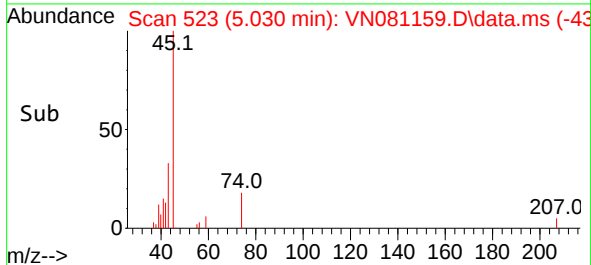
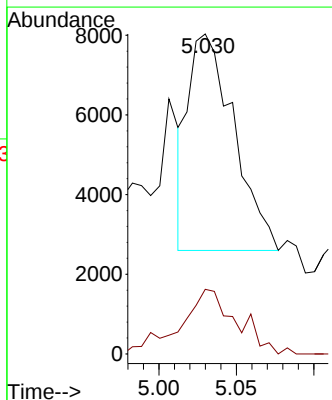
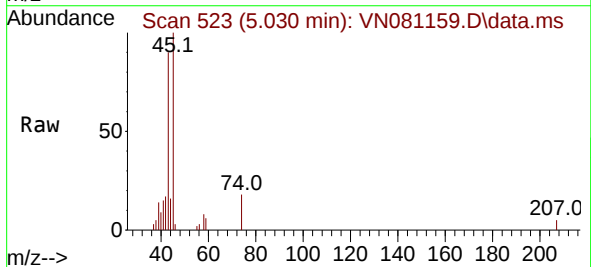
Instrument :
MSVOA_N
ClientSampleId :
EFF-WW

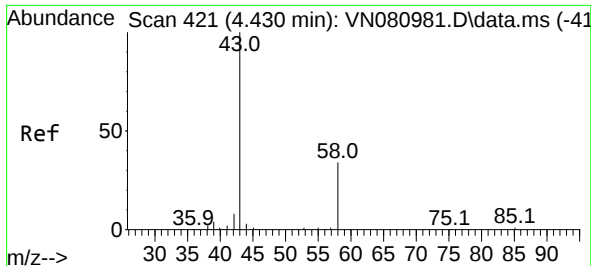
Tgt Ion:128 Resp: 57434
Ion Ratio Lower Upper
128 100
49 162.8 0.0 403.7
130 128.3 0.0 323.3



#12
Methyl Acetate
Concen: 3.736 ug/l
RT: 5.030 min Scan# 523
Delta R.T. 0.000 min
Lab File: VN081159.D
Acq: 23 Feb 2024 14:16

Tgt Ion: 43 Resp: 11095
Ion Ratio Lower Upper
43 100
74 34.6 27.7 41.5

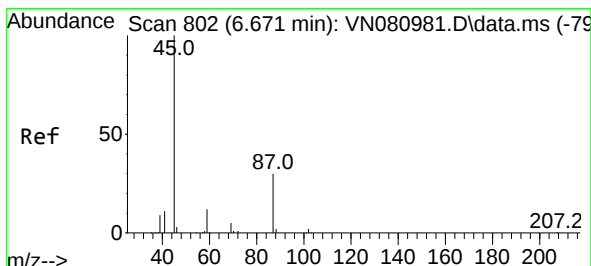
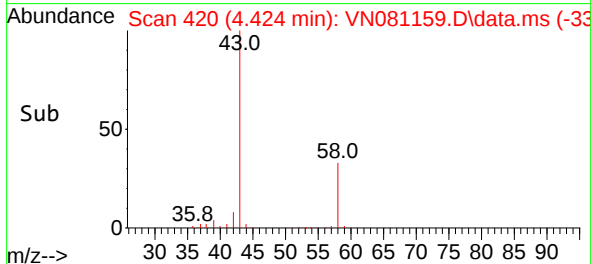
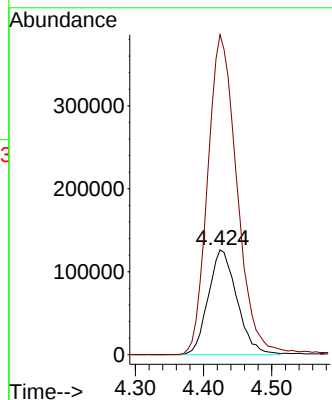
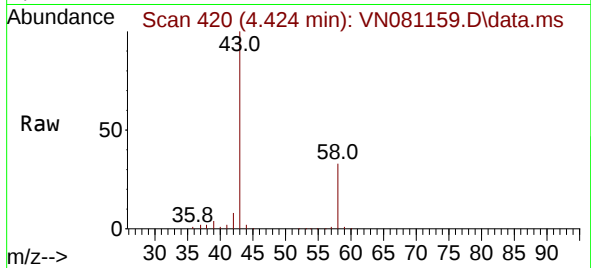




#15
Acetone
Concen: 1089.425 ug/l
RT: 4.424 min Scan# 41
Delta R.T. -0.006 min
Lab File: VN081159.D
Acq: 23 Feb 2024 14:16

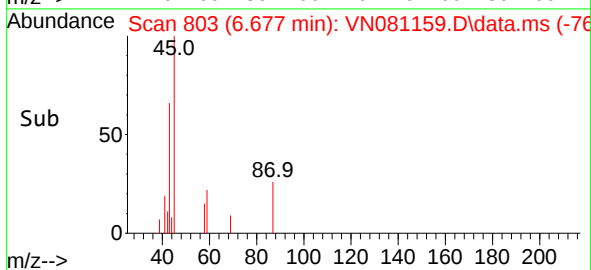
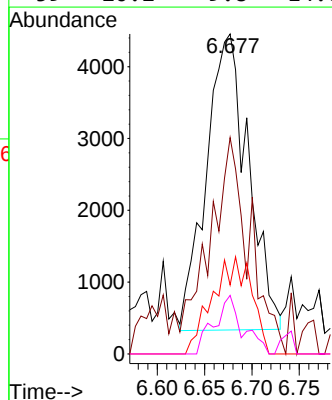
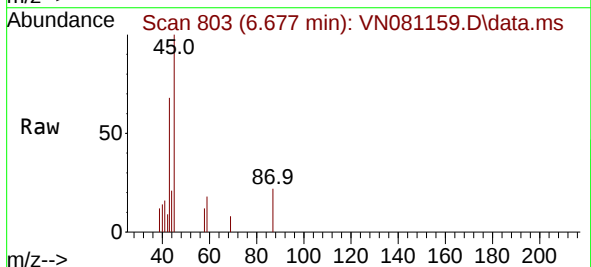
Instrument :
MSVOA_N
ClientSampleId :
EFF-WW

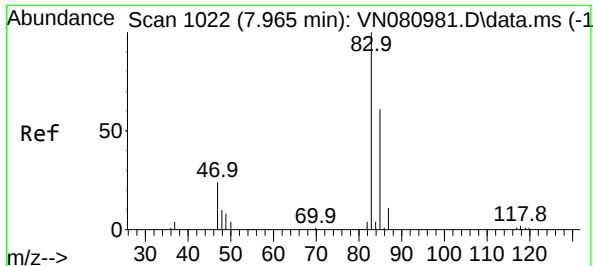
Tgt Ion: 58 Resp: 369619
Ion Ratio Lower Upper
58 100
43 305.0 223.1 334.7



#20
Diisopropyl ether
Concen: 1.285 ug/l
RT: 6.677 min Scan# 803
Delta R.T. 0.006 min
Lab File: VN081159.D
Acq: 23 Feb 2024 14:16

Tgt Ion: 45 Resp: 12716
Ion Ratio Lower Upper
45 100
43 68.2 40.4 60.6#
87 23.7 23.8 35.8#
59 20.2 9.8 14.6#





#25

Chloroform

Concen: 2.419 ug/l

RT: 7.965 min Scan# 1022

Delta R.T. 0.000 min

Lab File: VN081159.D

Acq: 23 Feb 2024 14:16

Instrument :

MSVOA_N

ClientSampleId :

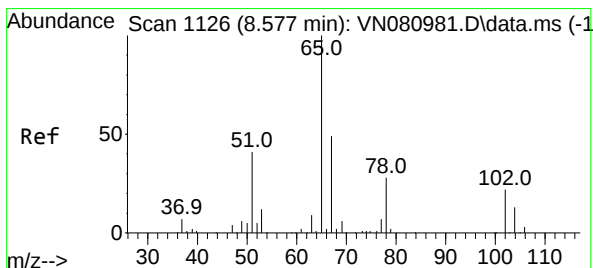
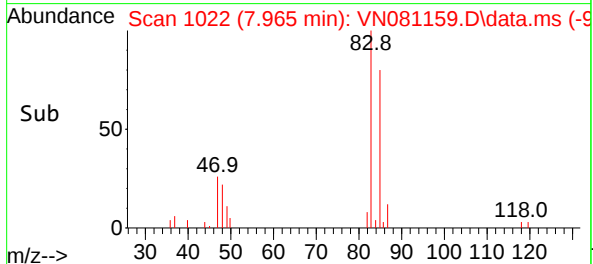
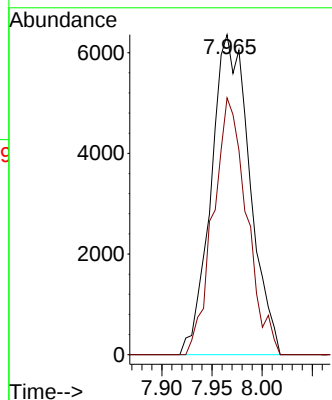
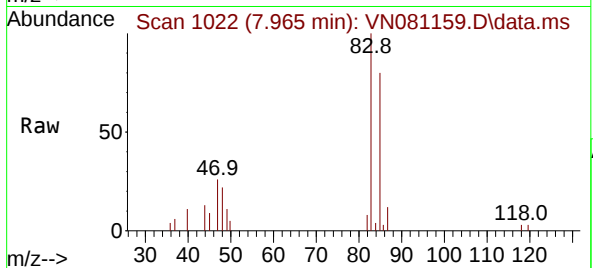
EFF-WW

Tgt Ion: 83 Resp: 17016

Ion Ratio Lower Upper

83 100

85 80.2 50.9 76.3#



#27

1,2-Dichloroethane-d4

Concen: 32.513 ug/l

RT: 8.583 min Scan# 1127

Delta R.T. 0.006 min

Lab File: VN081159.D

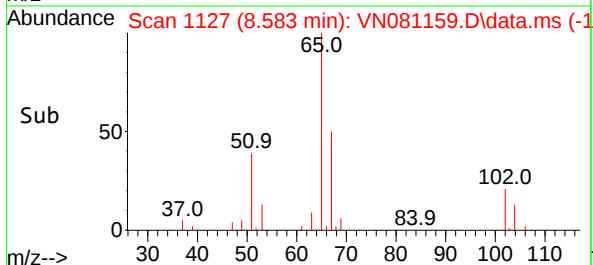
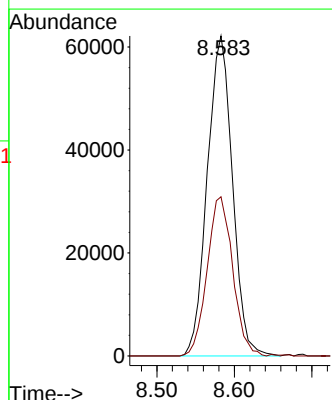
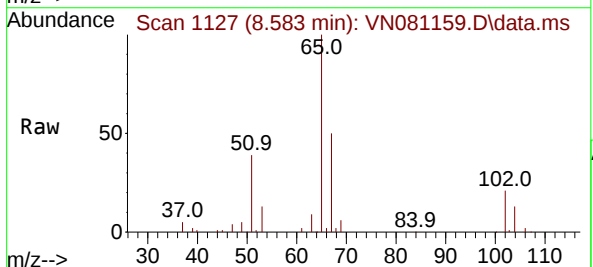
Acq: 23 Feb 2024 14:16

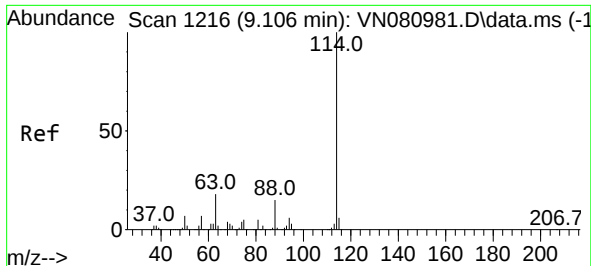
Tgt Ion: 65 Resp: 140313

Ion Ratio Lower Upper

65 100

67 50.4 43.2 64.8





#28

1,4-Difluorobenzene

Concen: 30.000 ug/l

RT: 9.100 min Scan# 11

Delta R.T. -0.006 min

Lab File: VN081159.D

Acq: 23 Feb 2024 14:16

Instrument :

MSVOA_N

ClientSampleId :

EFF-WW

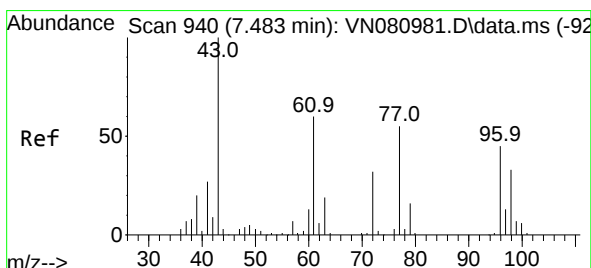
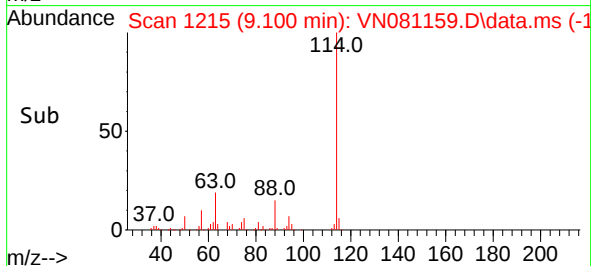
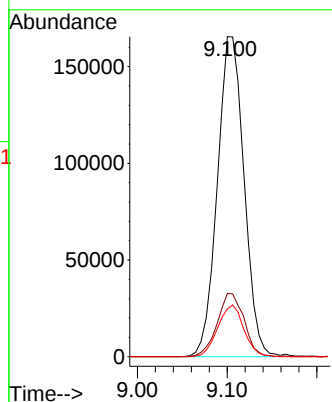
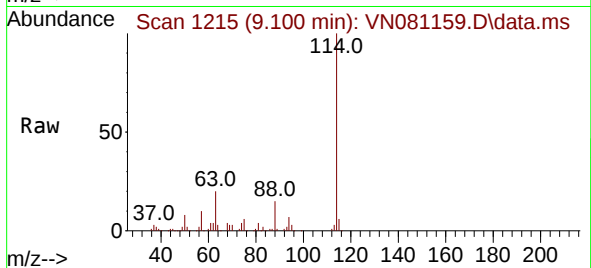
Tgt Ion:114 Resp: 342147

Ion Ratio Lower Upper

114 100

63 19.9 15.9 23.9

88 15.8 12.7 19.1



#30

2-Butanone

Concen: 7.265 ug/l

RT: 7.477 min Scan# 939

Delta R.T. -0.006 min

Lab File: VN081159.D

Acq: 23 Feb 2024 14:16

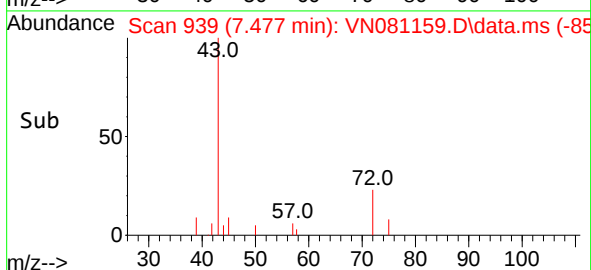
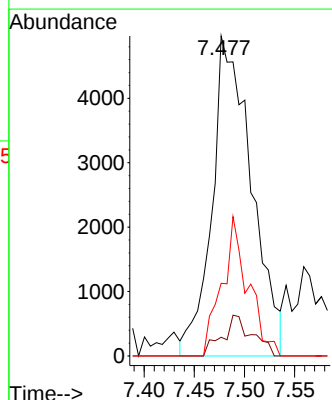
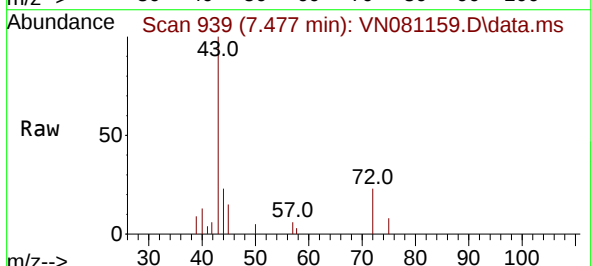
Tgt Ion: 43 Resp: 13585

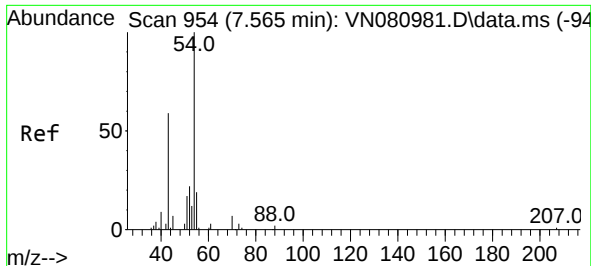
Ion Ratio Lower Upper

43 100

57 2.7 6.7 10.1#

72 0.0 24.0 36.0#

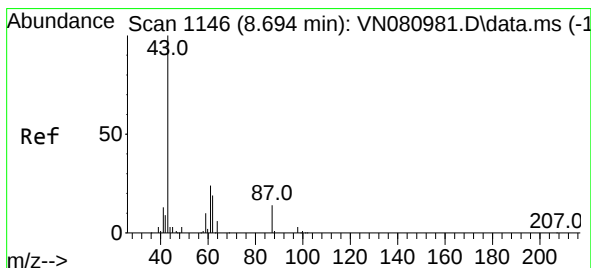
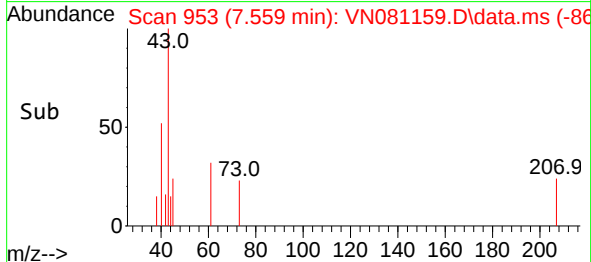
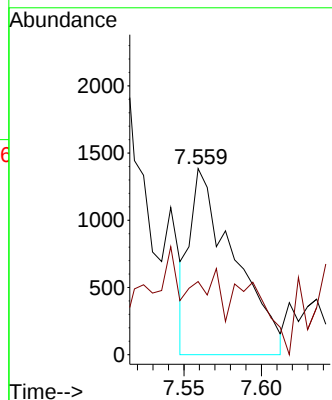
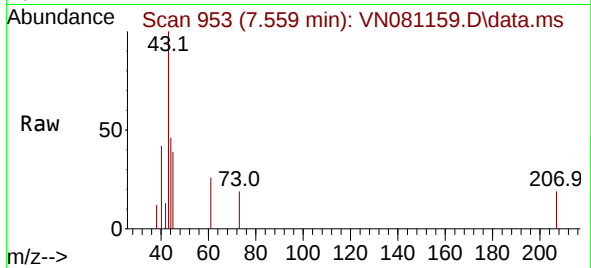




#43
Ethyl Acetate
Concen: 0.710 ug/l
RT: 7.559 min Scan# 91
Delta R.T. -0.006 min
Lab File: VN081159.D
Acq: 23 Feb 2024 14:16

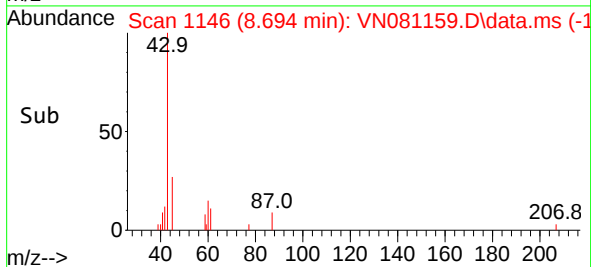
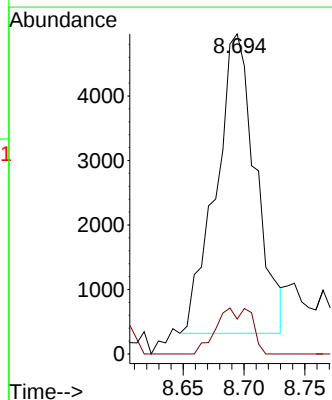
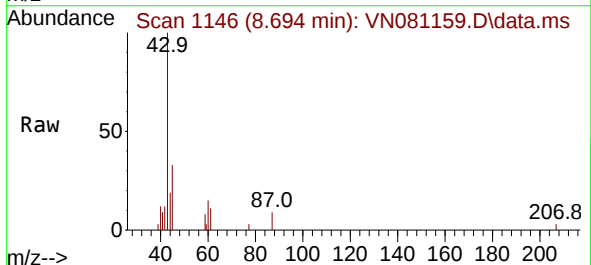
Instrument :
MSVOA_N
ClientSampleId :
EFF-WW

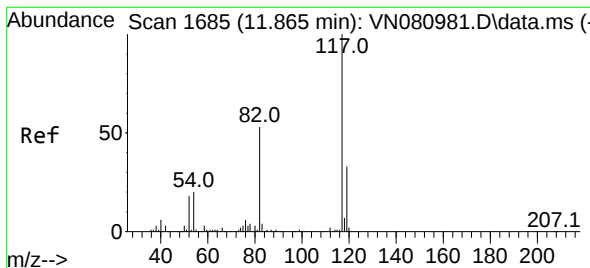
Tgt Ion: 43 Resp: 2767
Ion Ratio Lower Upper
43 100
45 11.6 10.6 15.8



#44
Isopropyl Acetate
Concen: 1.510 ug/l
RT: 8.694 min Scan# 1146
Delta R.T. 0.000 min
Lab File: VN081159.D
Acq: 23 Feb 2024 14:16

Tgt Ion: 43 Resp: 10564
Ion Ratio Lower Upper
43 100
61 5.0 25.0 37.4#





#57

Chlorobenzene-d5

Concen: 30.000 ug/l

RT: 11.871 min Scan# 1

Delta R.T. 0.006 min

Lab File: VN081159.D

Acq: 23 Feb 2024 14:16

Instrument :

MSVOA_N

ClientSampleId :

EFF-WW

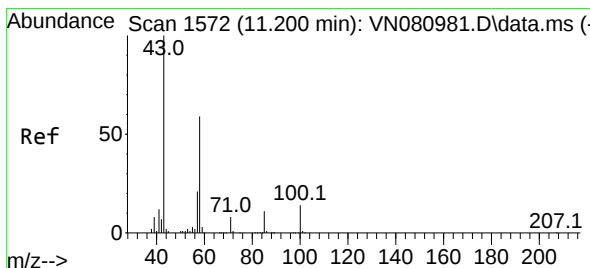
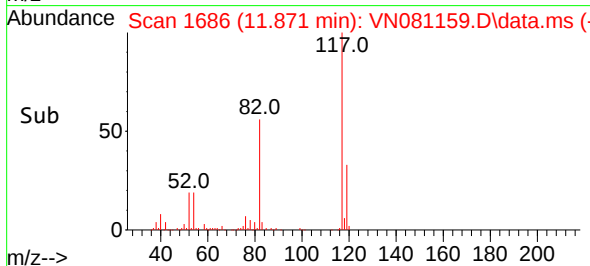
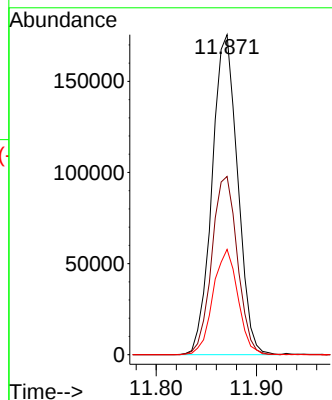
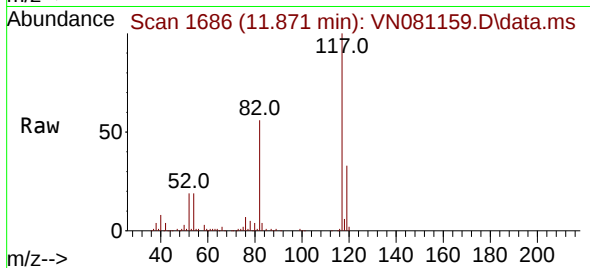
Tgt Ion:117 Resp: 310781

Ion Ratio Lower Upper

117 100

82 55.8 46.6 69.8

119 32.0 25.4 38.2



#59

2-Hexanone

Concen: 0.841 ug/l

RT: 11.200 min Scan# 1572

Delta R.T. 0.000 min

Lab File: VN081159.D

Acq: 23 Feb 2024 14:16

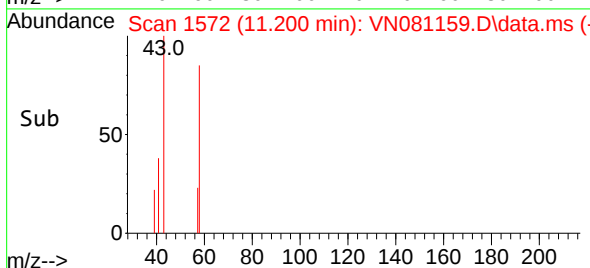
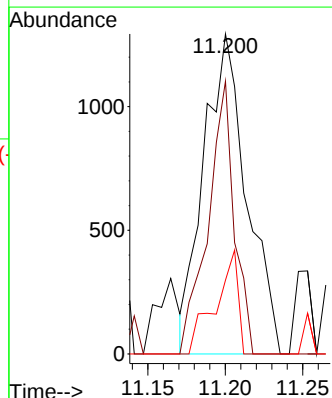
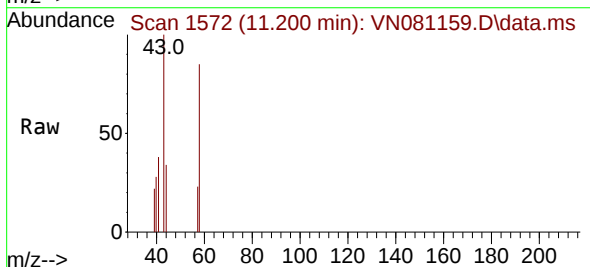
Tgt Ion: 43 Resp: 2495

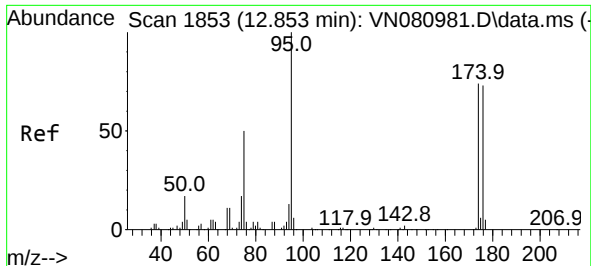
Ion Ratio Lower Upper

43 100

58 52.3 50.4 75.6

57 10.1 18.6 27.8#

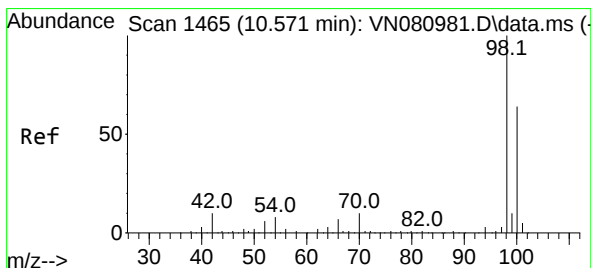
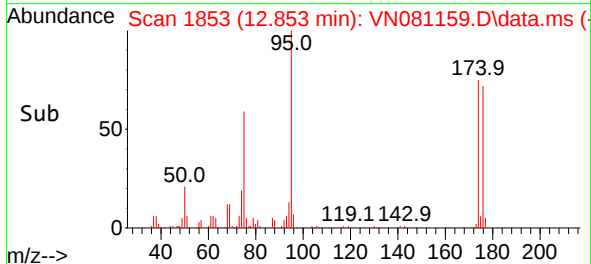
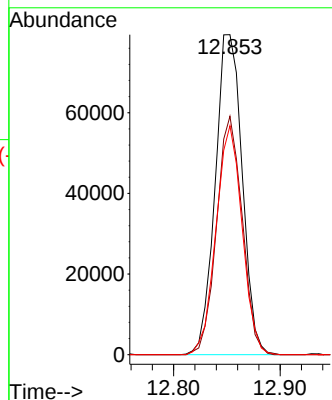
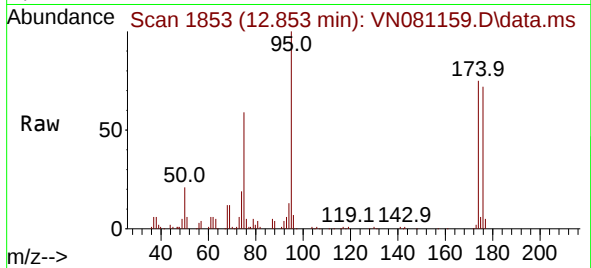




#60
4-Bromofluorobenzene
Concen: 29.395 ug/l
RT: 12.853 min Scan# 11
Delta R.T. 0.000 min
Lab File: VN081159.D
Acq: 23 Feb 2024 14:16

Instrument :
MSVOA_N
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Tgt Ion: 95 Resp: 139662
Ion Ratio Lower Upper
95 100
174 70.6 60.5 90.7
176 69.2 57.8 86.6



#63
Toluene-d8
Concen: 29.762 ug/l
RT: 10.571 min Scan# 1465
Delta R.T. 0.000 min
Lab File: VN081159.D
Acq: 23 Feb 2024 14:16

Tgt Ion: 98 Resp: 415091
Ion Ratio Lower Upper
98 100
100 64.9 52.7 79.1

