

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN092223\
 Data File : VN079333.D
 Acq On : 22 Sep 2023 12:22
 Operator : JC\MD
 Sample : IBLK
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 IBLK

Quant Time: Sep 23 00:41:38 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\624N090723W.M
 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
 QLast Update : Fri Sep 08 05:09:17 2023
 Response via : Initial Calibration

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

Internal Standards						
1) Bromochloromethane	7.818	128	42557	30.000	ug/l	0.00
28) 1,4-Difluorobenzene	9.106	114	185623	30.000	ug/l	0.00
57) Chlorobenzene-d5	11.870	117	161942	30.000	ug/l	0.00

System Monitoring Compounds						
27) 1,2-Dichloroethane-d4	8.582	65	91948	28.758	ug/l	0.00
Spiked Amount	30.000	Range	91 - 110	Recovery	=	95.867%
60) 4-Bromofluorobenzene	12.853	95	51828	21.721	ug/l	0.00
Spiked Amount	30.000	Range	63 - 112	Recovery	=	72.400%
63) Toluene-d8	10.571	98	228189	30.151	ug/l	0.00
Spiked Amount	30.000	Range	91 - 112	Recovery	=	100.500%

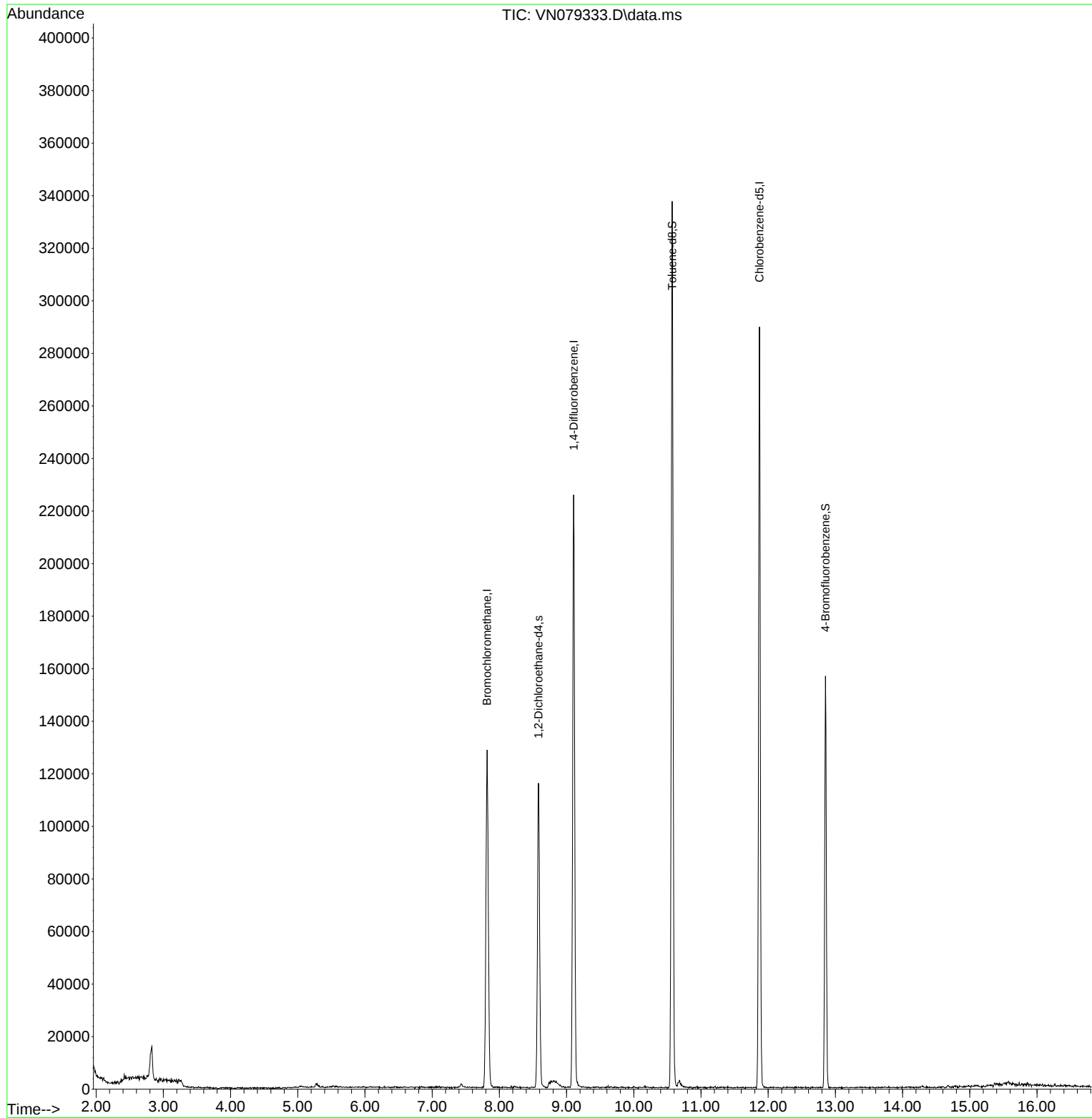
Target Compounds	Qvalue

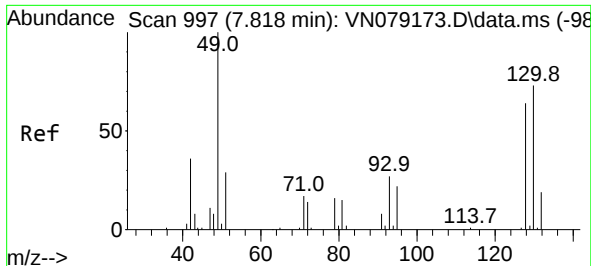
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Bromochloromethane

Concen: 30.000 ug/l

RT: 7.818 min Scan# 997

Delta R.T. -0.000 min

Lab File: VN079333.D

Acq: 22 Sep 2023 12:22

Instrument :

MSVOA_N

ClientSampleId :

IBLK

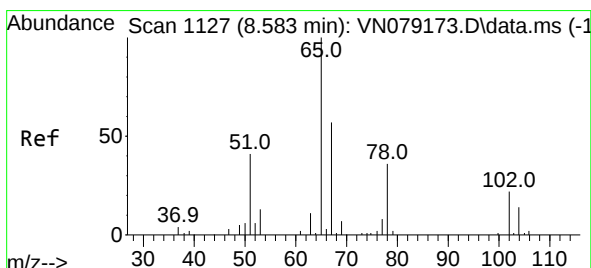
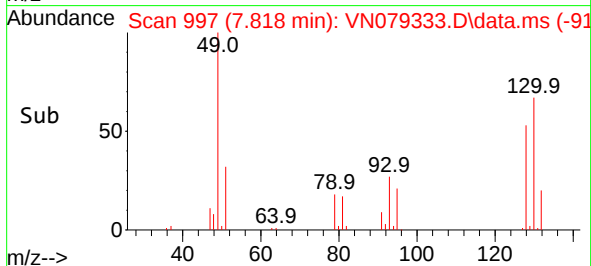
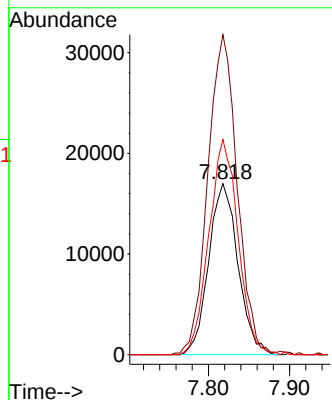
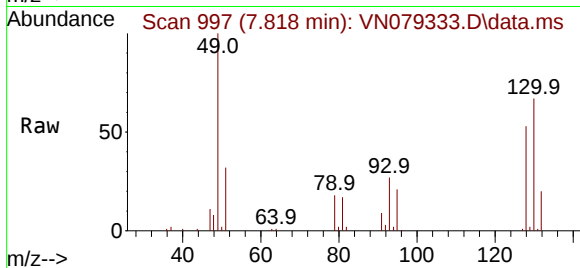
Tgt Ion:128 Resp: 42557

Ion Ratio Lower Upper

128 100

49 187.7 0.0 414.3

130 125.8 0.0 311.0



#27

1,2-Dichloroethane-d4

Concen: 28.758 ug/l

RT: 8.582 min Scan# 1127

Delta R.T. -0.001 min

Lab File: VN079333.D

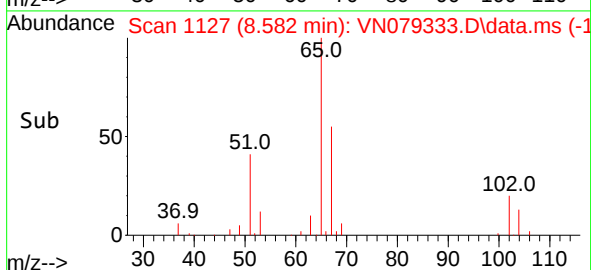
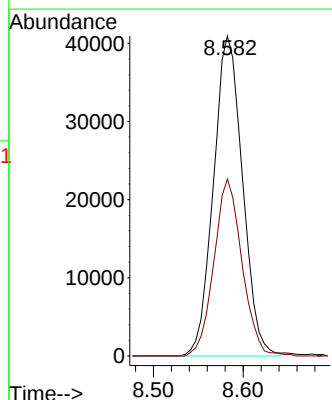
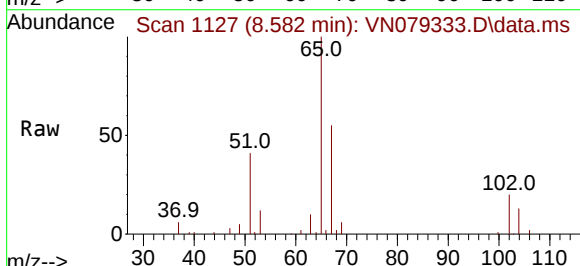
Acq: 22 Sep 2023 12:22

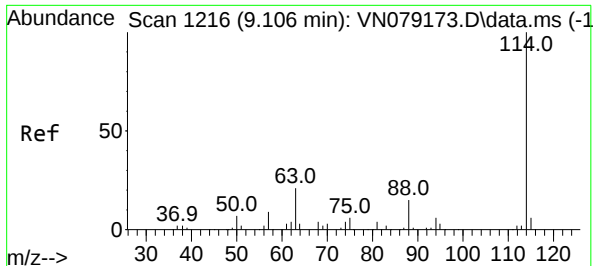
Tgt Ion: 65 Resp: 91948

Ion Ratio Lower Upper

65 100

67 53.4 44.4 66.6





#28

1,4-Difluorobenzene

Concen: 30.000 ug/l

RT: 9.106 min Scan# 1

Delta R.T. -0.000 min

Lab File: VN079333.D

Acq: 22 Sep 2023 12:22

Instrument :

MSVOA_N

ClientSampleId :

IBLK

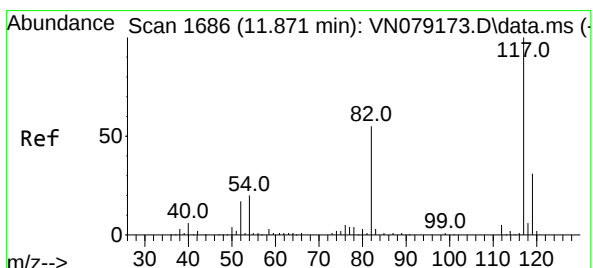
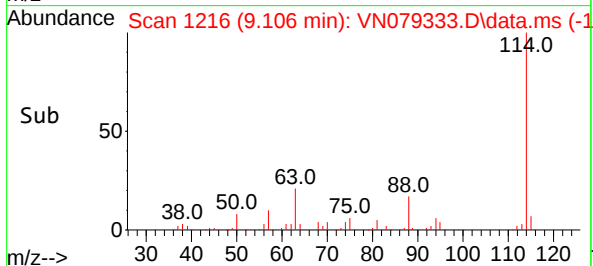
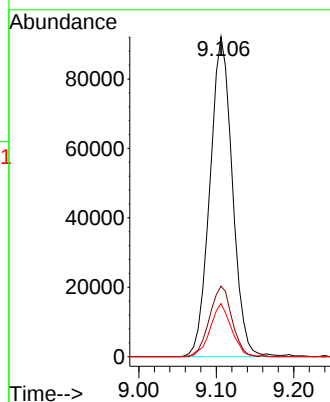
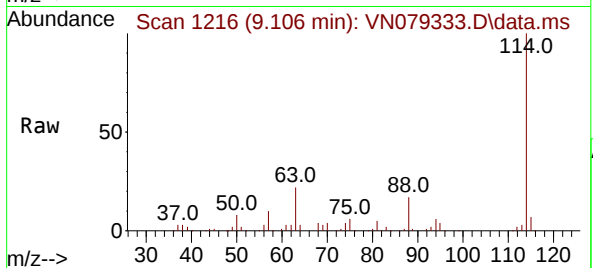
Tgt Ion:114 Resp: 185623

Ion Ratio Lower Upper

114 100

63 21.9 17.0 25.4

88 15.6 12.8 19.2



#57

Chlorobenzene-d5

Concen: 30.000 ug/l

RT: 11.870 min Scan# 1686

Delta R.T. -0.001 min

Lab File: VN079333.D

Acq: 22 Sep 2023 12:22

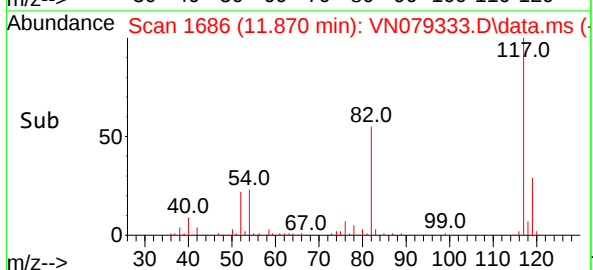
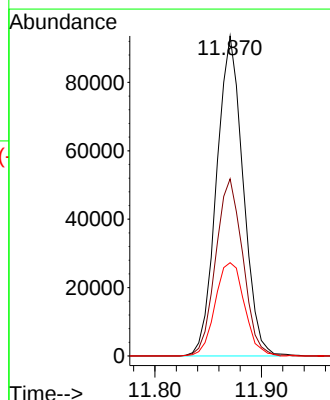
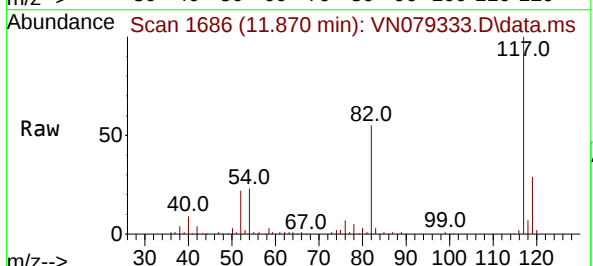
Tgt Ion:117 Resp: 161942

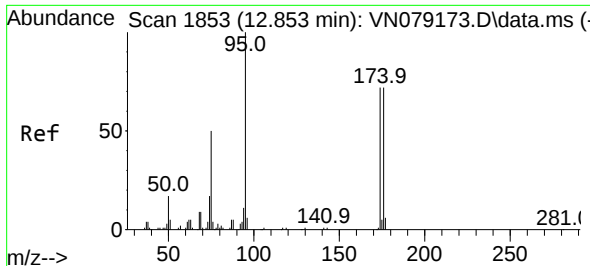
Ion Ratio Lower Upper

117 100

82 56.4 44.7 67.1

119 32.1 24.9 37.3

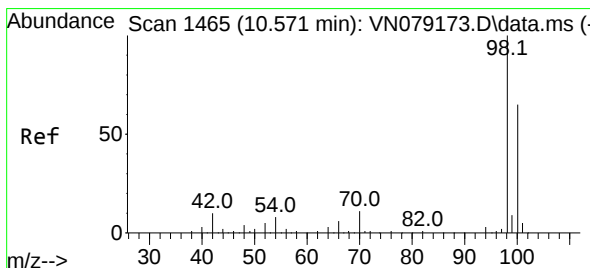
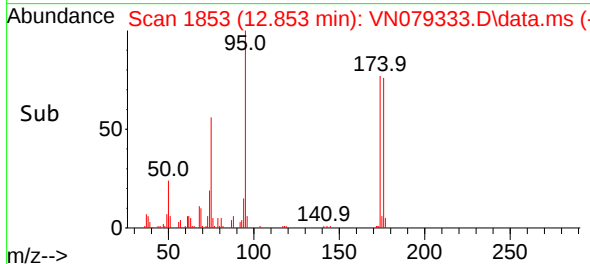
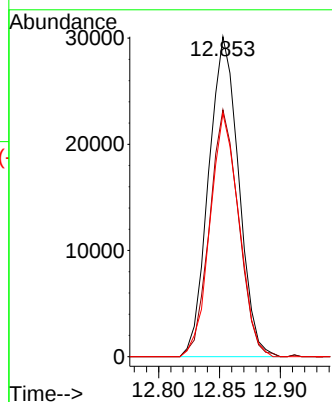
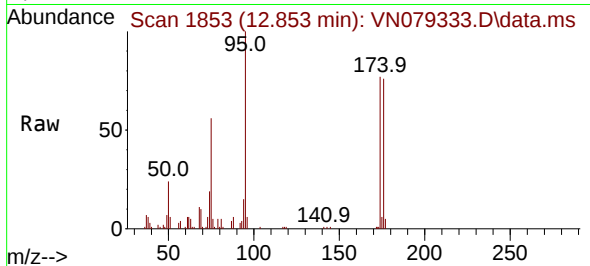




#60
4-Bromofluorobenzene
Concen: 21.721 ug/l
RT: 12.853 min Scan# 11
Delta R.T. -0.000 min
Lab File: VN079333.D
Acq: 22 Sep 2023 12:22

Instrument :
MSVOA_N
ClientSampleId :
IBLK

Tgt Ion: 95 Resp: 51828
Ion Ratio Lower Upper
95 100
174 74.6 59.5 89.3
176 73.1 59.1 88.7



#63
Toluene-d8
Concen: 30.151 ug/l
RT: 10.571 min Scan# 1465
Delta R.T. -0.000 min
Lab File: VN079333.D
Acq: 22 Sep 2023 12:22

Tgt Ion: 98 Resp: 228189
Ion Ratio Lower Upper
98 100
100 63.9 52.5 78.7

