

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN051223\
 Data File : VN077671.D
 Acq On : 12 May 2023 14:32
 Operator : JC\MD
 Sample : IBLK
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 IBLK

Quant Time: May 15 01:37:35 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\624N050823W.M
 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
 QLast Update : Tue May 09 05:58:09 2023
 Response via : Initial Calibration

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

Internal Standards						
1) Bromochloromethane	7.818	128	102784	30.000	ug/l	0.00
28) 1,4-Difluorobenzene	9.106	114	595827	30.000	ug/l	0.00
57) Chlorobenzene-d5	11.871	117	521257	30.000	ug/l	0.00
System Monitoring Compounds						
27) 1,2-Dichloroethane-d4	8.582	65	213886	28.936	ug/l	0.00
Spiked Amount	30.000	Range	91 - 110	Recovery	=	96.467%
60) 4-Bromofluorobenzene	12.859	95	196632	23.724	ug/l	0.01
Spiked Amount	30.000	Range	63 - 112	Recovery	=	79.067%
63) Toluene-d8	10.571	98	693624	28.811	ug/l	0.00
Spiked Amount	30.000	Range	91 - 112	Recovery	=	96.033%

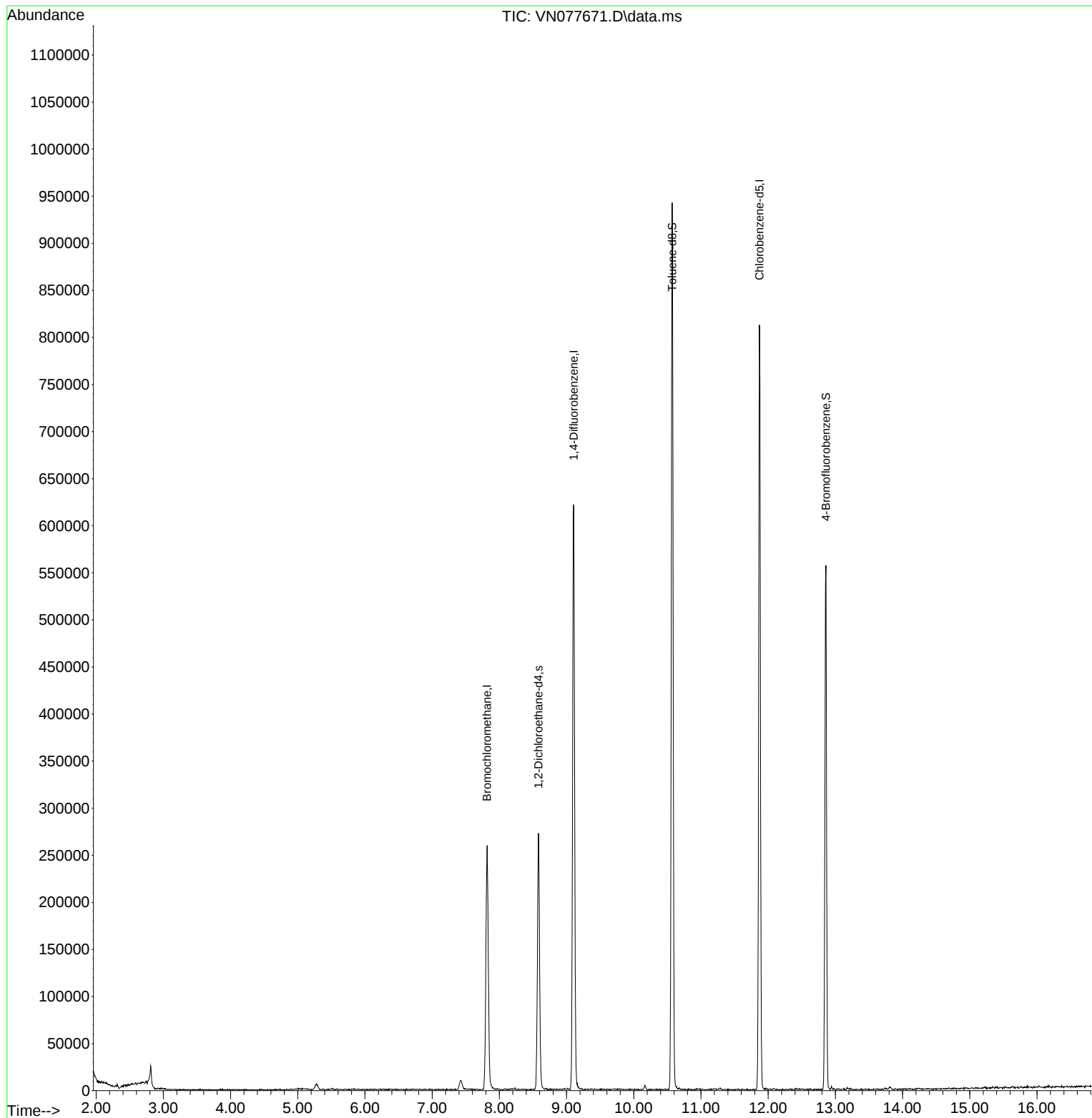
Target Compounds	Qvalue

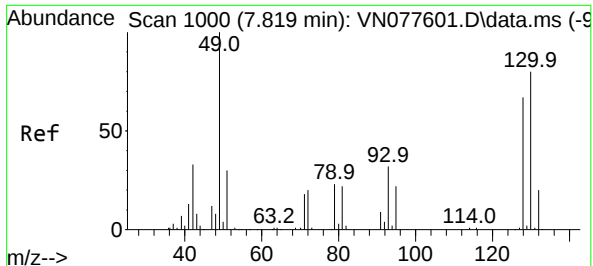
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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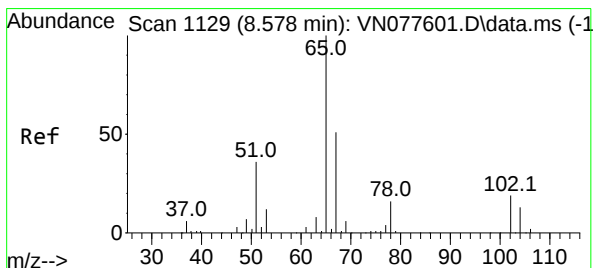
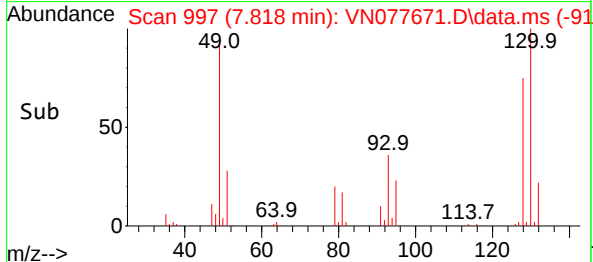
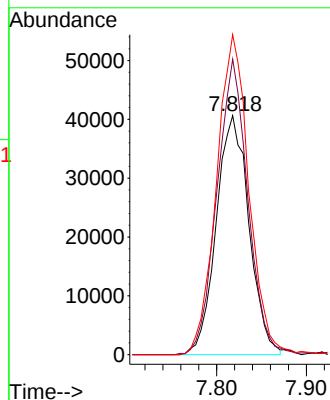
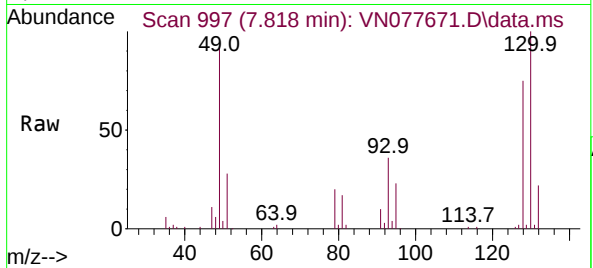




#1
Bromochloromethane
Concen: 30.000 ug/l
RT: 7.818 min Scan# 91
Delta R.T. -0.001 min
Lab File: VN077671.D
Acq: 12 May 2023 14:32

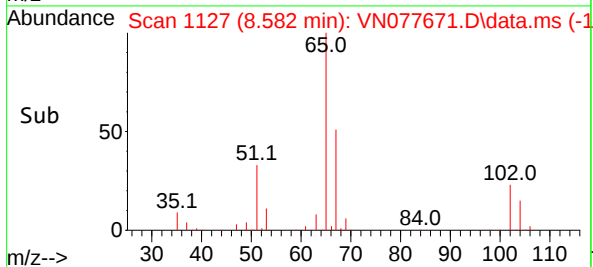
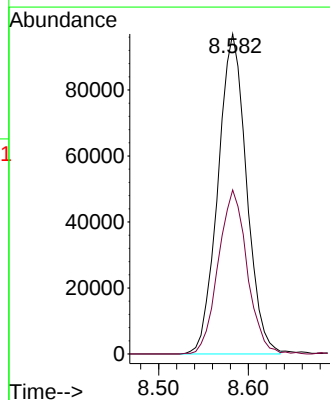
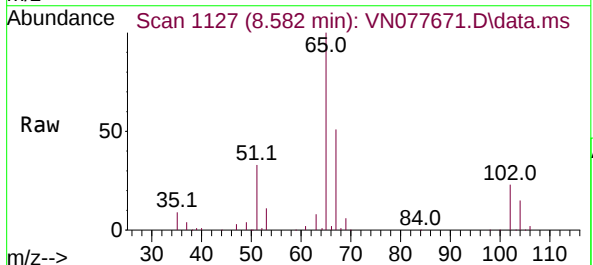
Instrument :
MSVOA_N
ClientSampleId :
IBLK

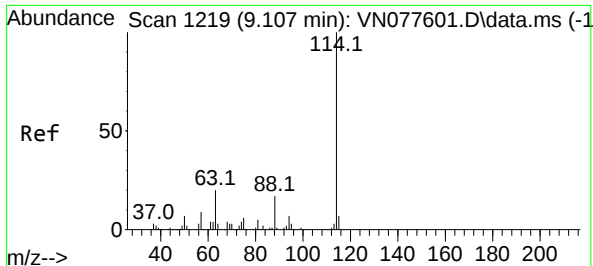
Tgt Ion:128 Resp: 102784
Ion Ratio Lower Upper
128 100
49 117.1 0.0 369.8
130 132.3 0.0 317.8



#27
1,2-Dichloroethane-d4
Concen: 28.936 ug/l
RT: 8.582 min Scan# 1127
Delta R.T. 0.004 min
Lab File: VN077671.D
Acq: 12 May 2023 14:32

Tgt Ion: 65 Resp: 213886
Ion Ratio Lower Upper
65 100
67 51.9 41.3 61.9





#28

1,4-Difluorobenzene

Concen: 30.000 ug/l

RT: 9.106 min Scan# 11

Delta R.T. -0.001 min

Lab File: VN077671.D

Acq: 12 May 2023 14:32

Instrument :

MSVOA_N

ClientSampleId :

IBLK

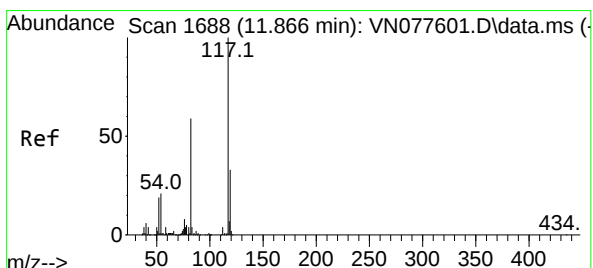
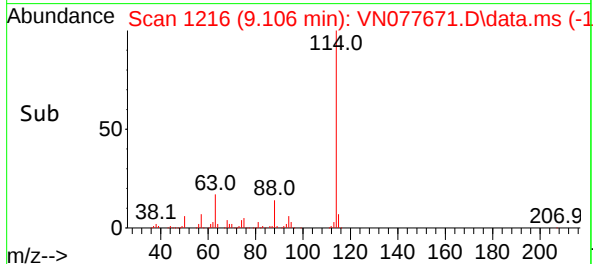
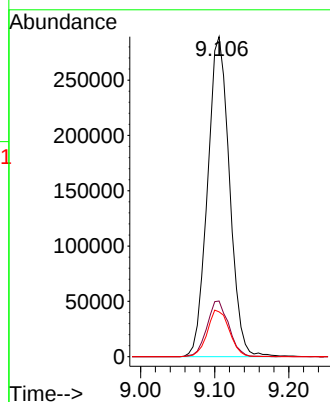
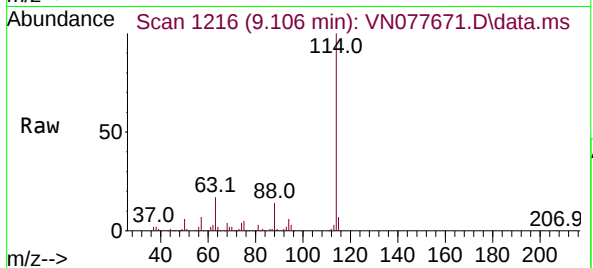
Tgt Ion:114 Resp: 595827

Ion Ratio Lower Upper

114 100

63 17.3 15.8 23.6

88 14.6 13.0 19.4



#57

Chlorobenzene-d5

Concen: 30.000 ug/l

RT: 11.871 min Scan# 1686

Delta R.T. 0.005 min

Lab File: VN077671.D

Acq: 12 May 2023 14:32

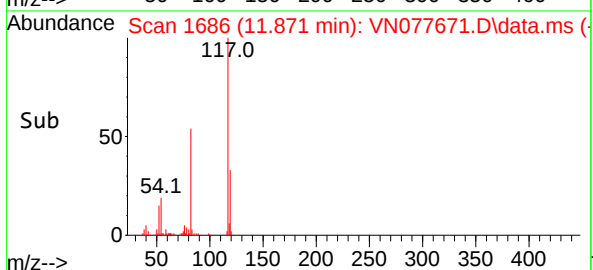
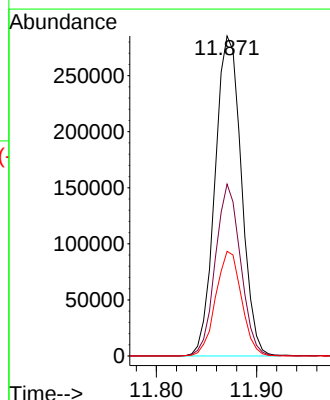
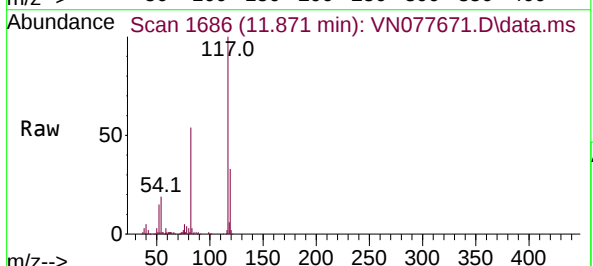
Tgt Ion:117 Resp: 521257

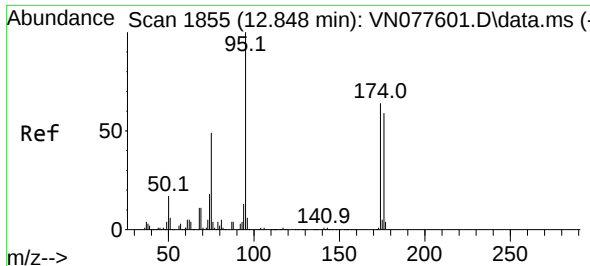
Ion Ratio Lower Upper

117 100

82 51.4 47.4 71.2

119 32.0 26.6 39.8

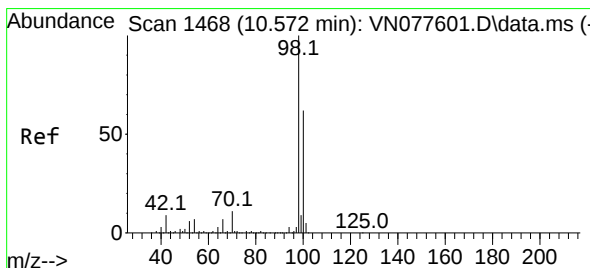
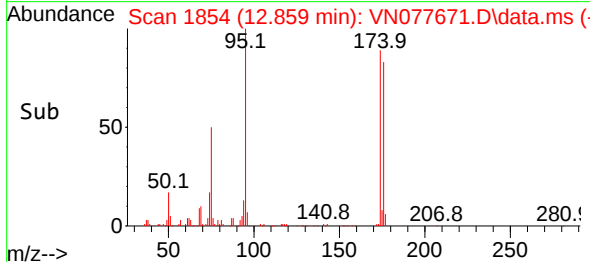
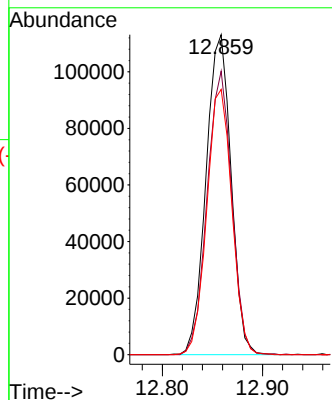
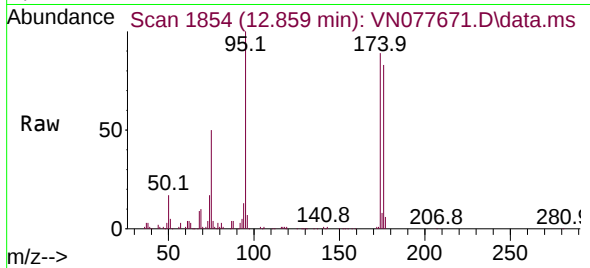




#60
4-Bromofluorobenzene
Concen: 23.724 ug/l
RT: 12.859 min Scan# 1854
Delta R.T. 0.011 min
Lab File: VN077671.D
Acq: 12 May 2023 14:32

Instrument :
MSVOA_N
ClientSampleId :
IBLK

Tgt Ion: 95 Resp: 196632
Ion Ratio Lower Upper
95 100
174 87.0 53.4 80.0#
176 83.0 50.0 75.0#



#63
Toluene-d8
Concen: 28.811 ug/l
RT: 10.571 min Scan# 1465
Delta R.T. -0.001 min
Lab File: VN077671.D
Acq: 12 May 2023 14:32

Tgt Ion: 98 Resp: 693624
Ion Ratio Lower Upper
98 100
100 64.9 52.1 78.1

