

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN111023\
 Data File : VN080051.D
 Acq On : 10 Nov 2023 14:23
 Operator : JC\MD
 Sample : IBLK
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 IBLK

Quant Time: Nov 10 23:57:56 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\624N110823W.M
 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
 QLast Update : Thu Nov 09 04:02:05 2023
 Response via : Initial Calibration

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

Internal Standards						
1) Bromochloromethane	7.818	128	64800	30.000	ug/l	0.00
28) 1,4-Difluorobenzene	9.106	114	327195	30.000	ug/l	0.00
57) Chlorobenzene-d5	11.871	117	296239	30.000	ug/l	0.00
System Monitoring Compounds						
27) 1,2-Dichloroethane-d4	8.583	65	159531	29.328	ug/l	0.00
Spiked Amount	30.000	Range	91 - 110	Recovery	=	97.767%
60) 4-Bromofluorobenzene	12.853	95	127638	26.943	ug/l	0.00
Spiked Amount	30.000	Range	63 - 112	Recovery	=	89.800%
63) Toluene-d8	10.571	98	412516	29.389	ug/l	0.00
Spiked Amount	30.000	Range	91 - 112	Recovery	=	97.967%

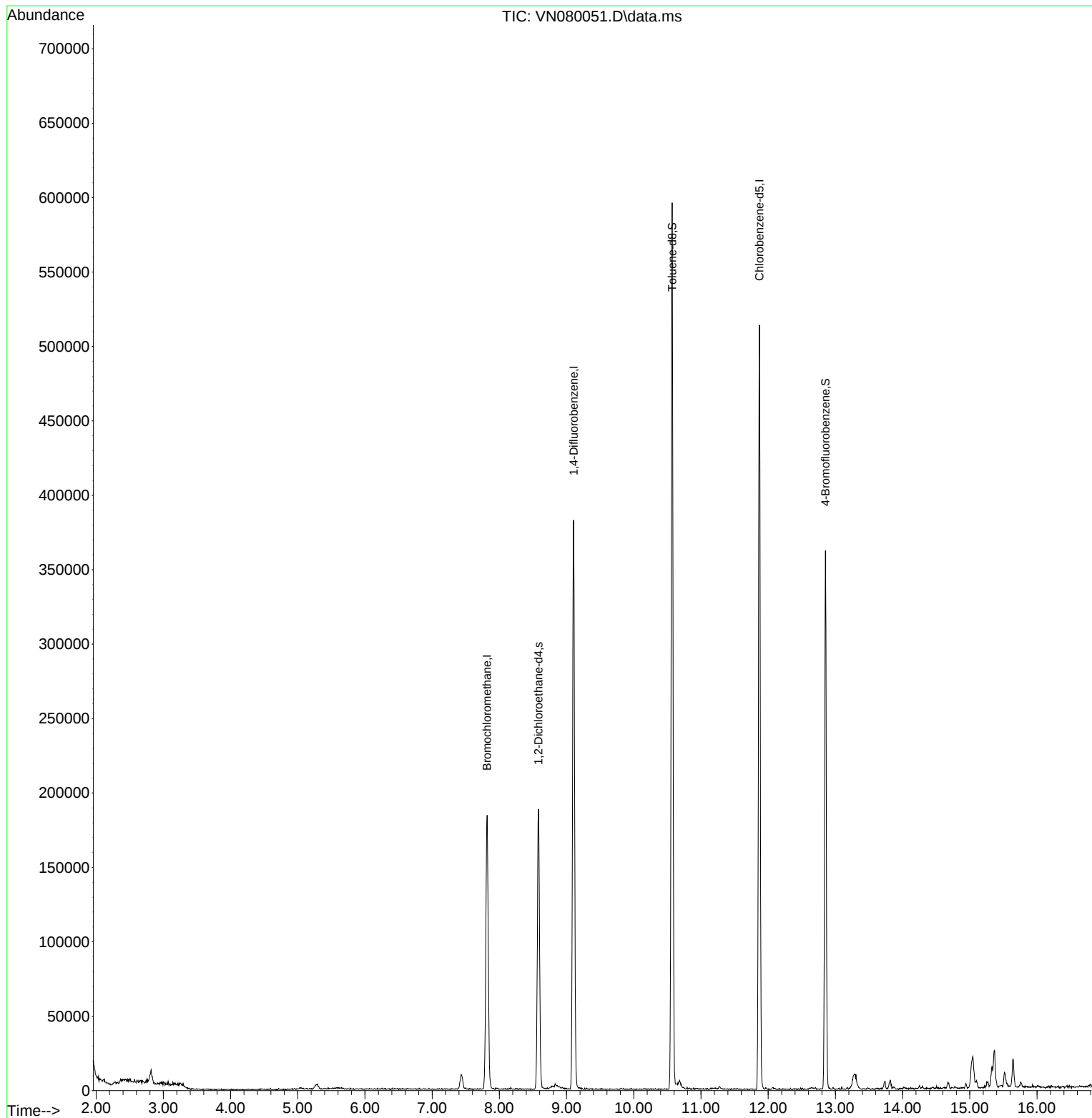
Target Compounds	Qvalue

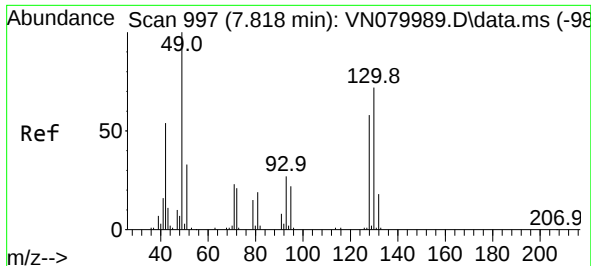
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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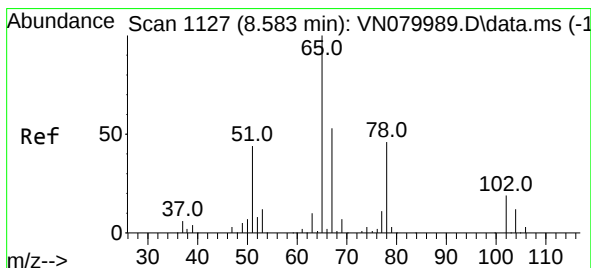
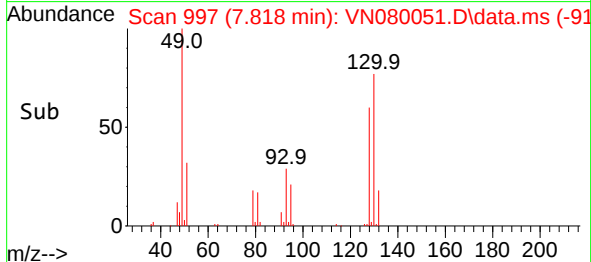
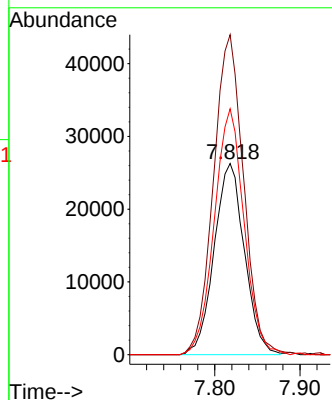
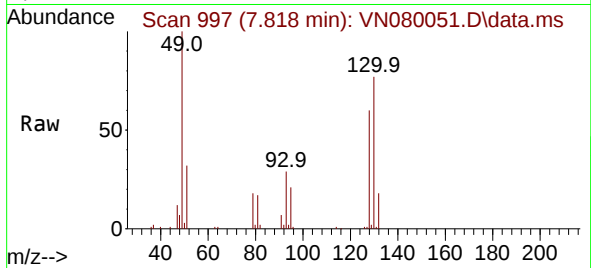




#1
Bromochloromethane
Concen: 30.000 ug/l
RT: 7.818 min Scan# 997
Delta R.T. -0.006 min
Lab File: VN080051.D
Acq: 10 Nov 2023 14:23

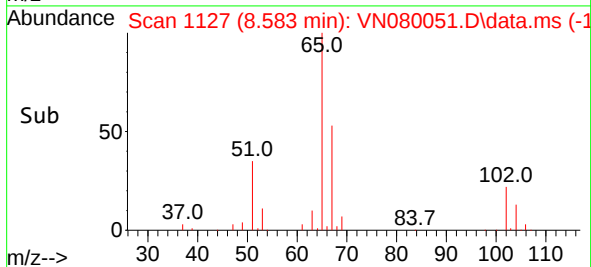
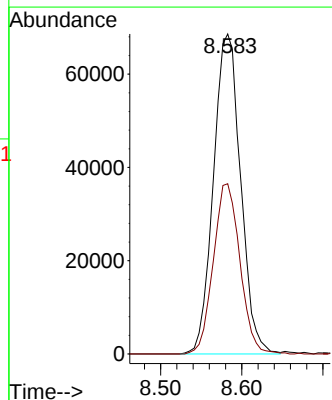
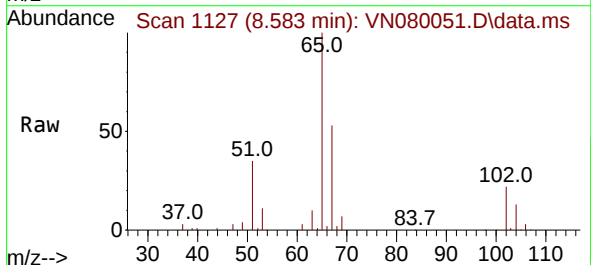
Instrument :
MSVOA_N
ClientSampleId :
IBLK

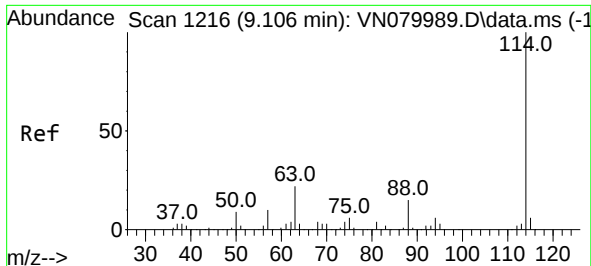
Tgt Ion:128 Resp: 64800
Ion Ratio Lower Upper
128 100
49 166.3 0.0 468.5
130 126.7 0.0 320.7



#27
1,2-Dichloroethane-d4
Concen: 29.328 ug/l
RT: 8.583 min Scan# 1127
Delta R.T. 0.001 min
Lab File: VN080051.D
Acq: 10 Nov 2023 14:23

Tgt Ion: 65 Resp: 159531
Ion Ratio Lower Upper
65 100
67 52.1 42.1 63.1





#28

1,4-Difluorobenzene

Concen: 30.000 ug/l

RT: 9.106 min Scan# 1

Delta R.T. 0.000 min

Lab File: VN080051.D

Acq: 10 Nov 2023 14:23

Instrument :

MSVOA_N

ClientSampleId :

IBLK

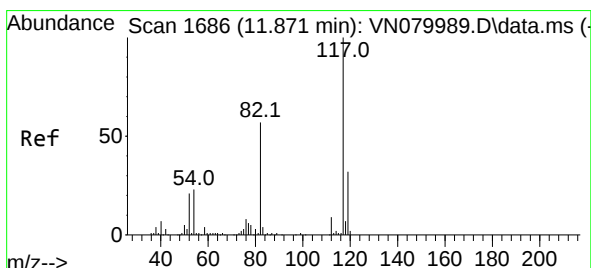
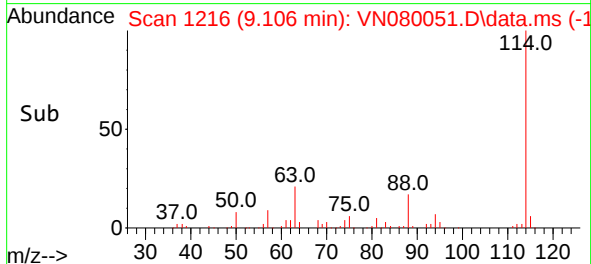
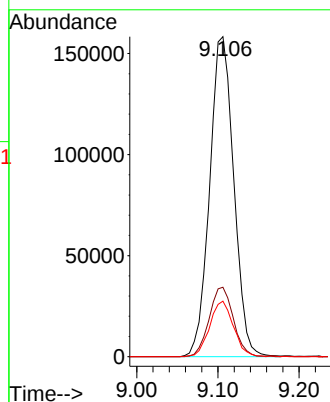
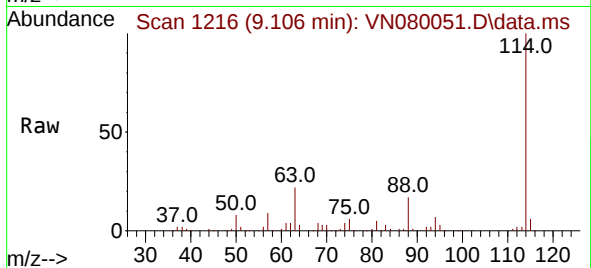
Tgt Ion:114 Resp: 327195

Ion Ratio Lower Upper

114 100

63 21.7 18.1 27.1

88 17.1 12.2 18.2



#57

Chlorobenzene-d5

Concen: 30.000 ug/l

RT: 11.871 min Scan# 1686

Delta R.T. 0.001 min

Lab File: VN080051.D

Acq: 10 Nov 2023 14:23

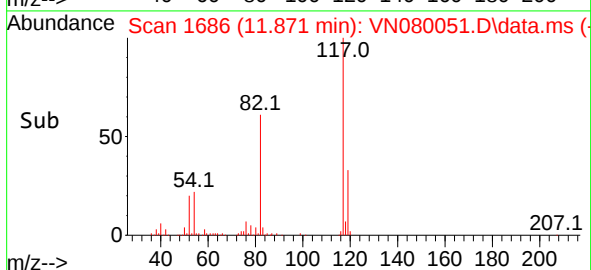
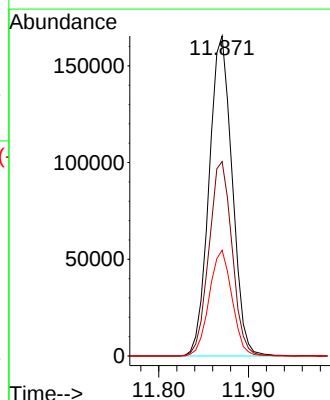
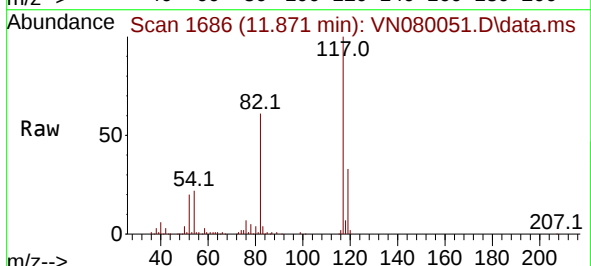
Tgt Ion:117 Resp: 296239

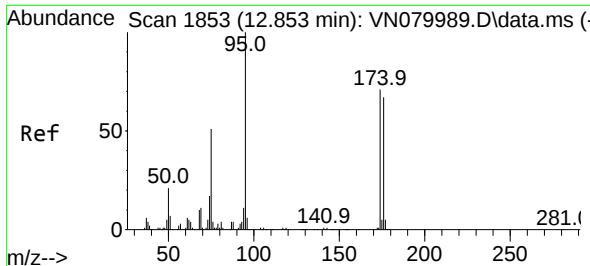
Ion Ratio Lower Upper

117 100

82 60.9 46.2 69.2

119 32.6 25.2 37.8

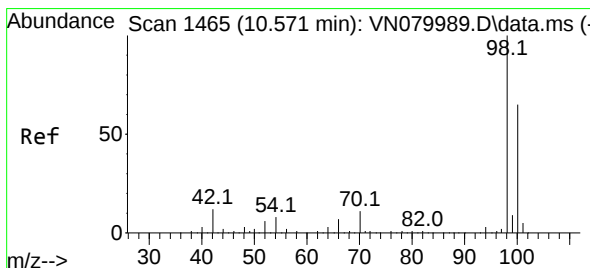
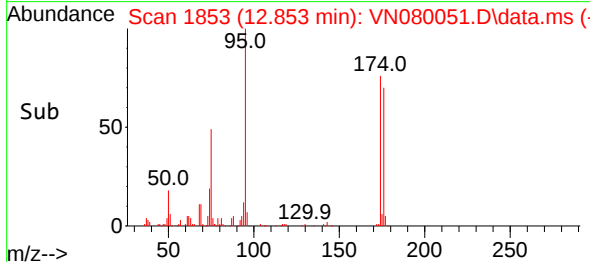
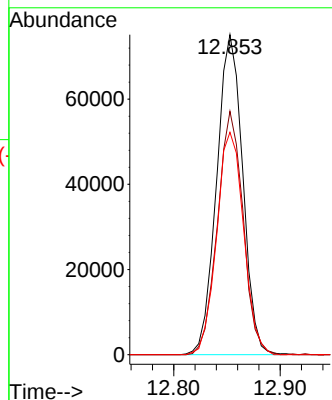
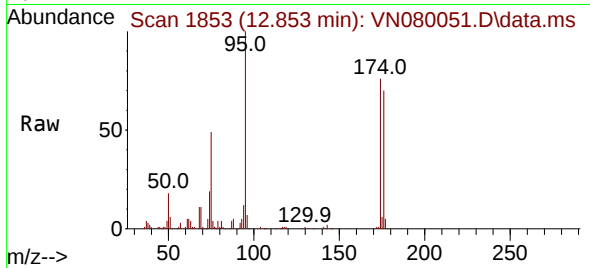




#60
4-Bromofluorobenzene
Concen: 26.943 ug/l
RT: 12.853 min Scan# 11
Delta R.T. -0.000 min
Lab File: VN080051.D
Acq: 10 Nov 2023 14:23

Instrument :
MSVOA_N
ClientSampleId :
IBLK

Tgt Ion: 95 Resp: 127638
Ion Ratio Lower Upper
95 100
174 74.7 60.5 90.7
176 71.9 57.2 85.8



#63
Toluene-d8
Concen: 29.389 ug/l
RT: 10.571 min Scan# 1465
Delta R.T. 0.001 min
Lab File: VN080051.D
Acq: 10 Nov 2023 14:23

Tgt Ion: 98 Resp: 412516
Ion Ratio Lower Upper
98 100
100 64.4 51.6 77.4

