

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN110823\
 Data File : VN080010.D
 Acq On : 08 Nov 2023 23:07
 Operator : JC\MD
 Sample : 05283-03 10X
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 29 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 14B-3

Quant Time: Nov 09 04:31:22 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	69563	30.000	ug/l	0.00
28) 1,4-Difluorobenzene	9.106	114	316471	30.000	ug/l	0.00
57) Chlorobenzene-d5	11.871	117	299946	30.000	ug/l	0.00
System Monitoring Compounds						
27) 1,2-Dichloroethane-d4	8.583	65	177179	30.343	ug/l	0.00
Spiked Amount	30.000	Range	91 - 110	Recovery	=	101.133%
60) 4-Bromofluorobenzene	12.853	95	112751	23.506	ug/l	0.00
Spiked Amount	30.000	Range	63 - 112	Recovery	=	78.367%
63) Toluene-d8	10.571	98	401644	28.261	ug/l	0.00
Spiked Amount	30.000	Range	91 - 112	Recovery	=	94.200%

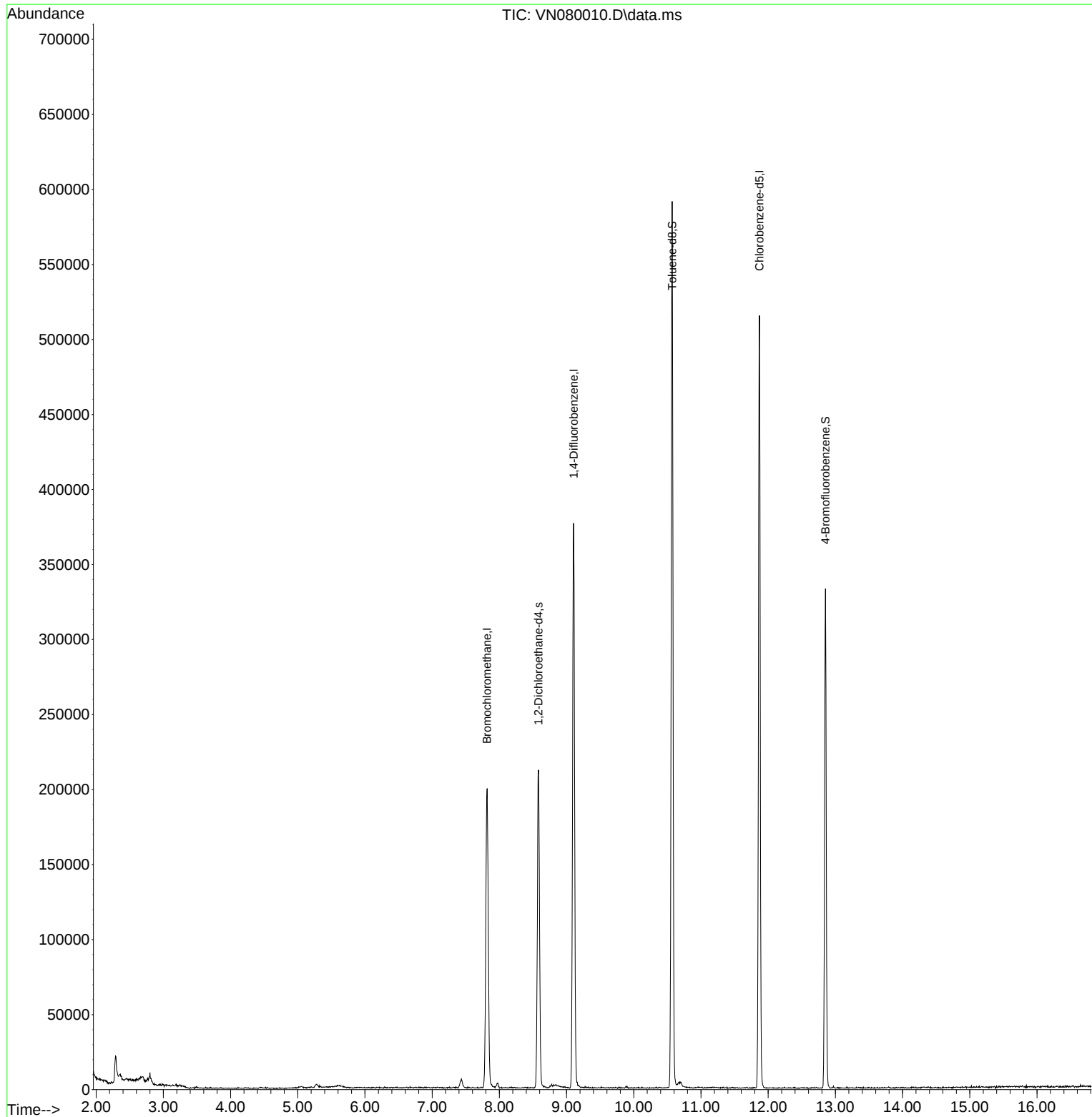
Target Compounds	Qvalue

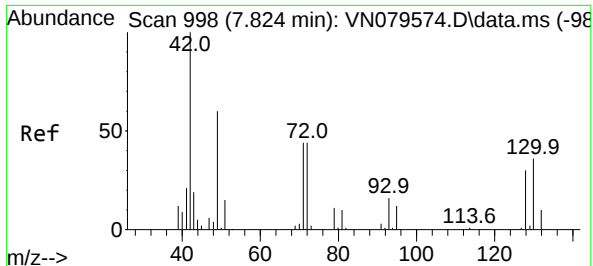
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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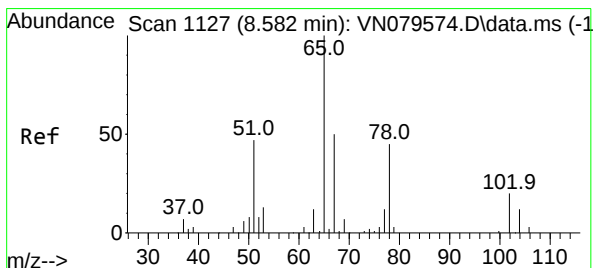
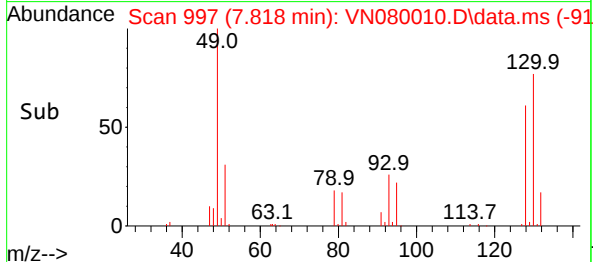
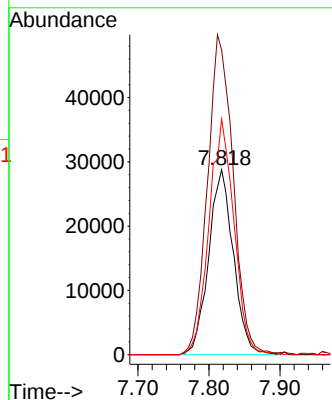
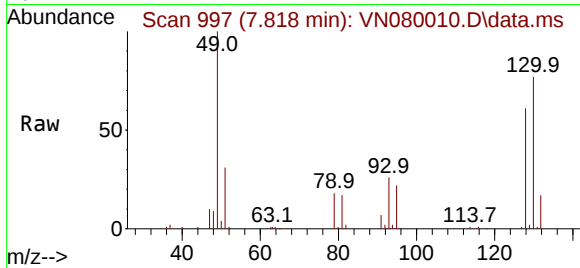




#1
Bromochloromethane
Concen: 30.000 ug/l
RT: 7.818 min Scan# 998
Delta R.T. -0.006 min
Lab File: VN080010.D
Acq: 08 Nov 2023 23:07

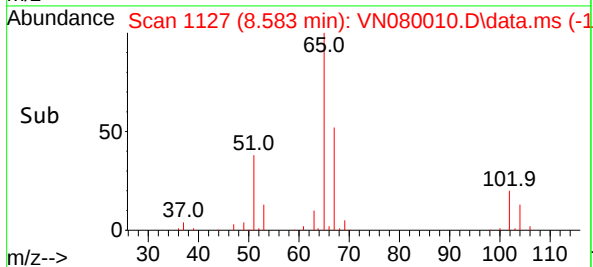
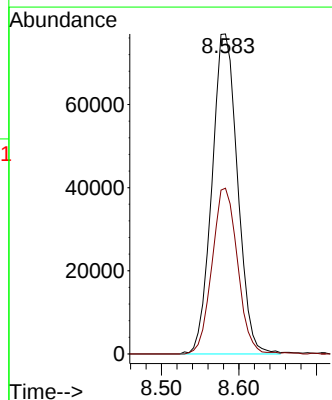
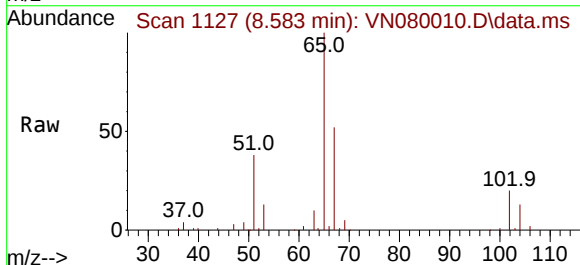
Instrument :
MSVOA_N
ClientSampleId :
14B-3

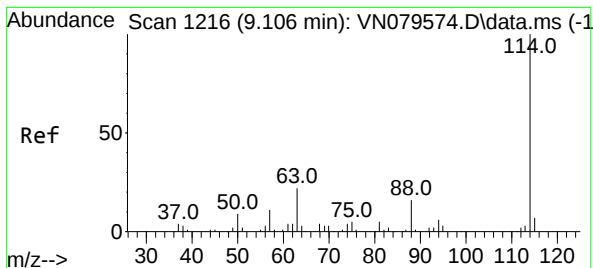
Tgt Ion:128 Resp: 69563
Ion Ratio Lower Upper
128 100
49 179.3 0.0 468.5
130 128.5 0.0 320.7



#27
1,2-Dichloroethane-d4
Concen: 30.343 ug/l
RT: 8.583 min Scan# 1127
Delta R.T. 0.001 min
Lab File: VN080010.D
Acq: 08 Nov 2023 23:07

Tgt Ion: 65 Resp: 177179
Ion Ratio Lower Upper
65 100
67 51.4 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: VN080010.D

Acq: 08 Nov 2023 23:07

Instrument :

MSVOA_N

ClientSampleId :

14B-3

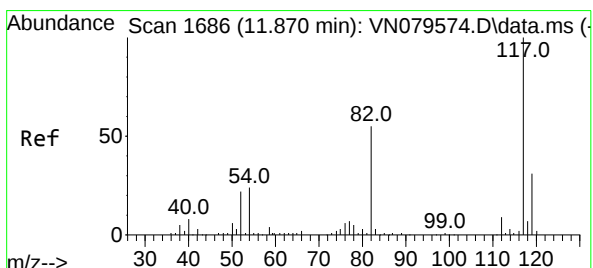
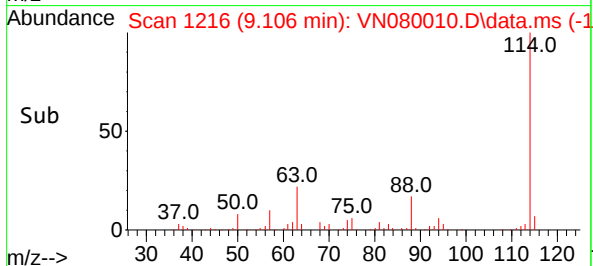
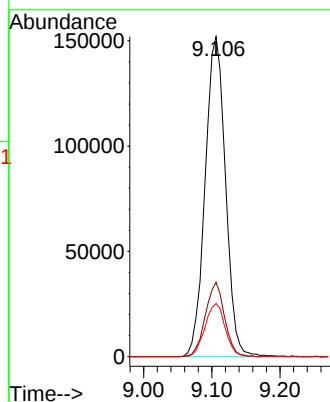
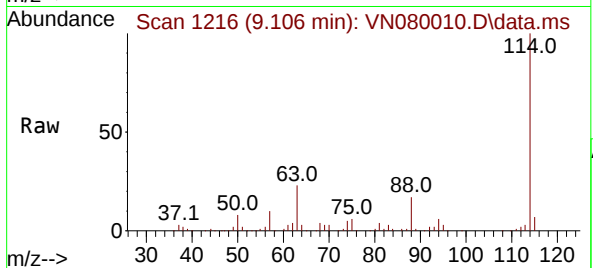
Tgt Ion:114 Resp: 316471

Ion Ratio Lower Upper

114 100

63 21.9 18.1 27.1

88 16.5 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: VN080010.D

Acq: 08 Nov 2023 23:07

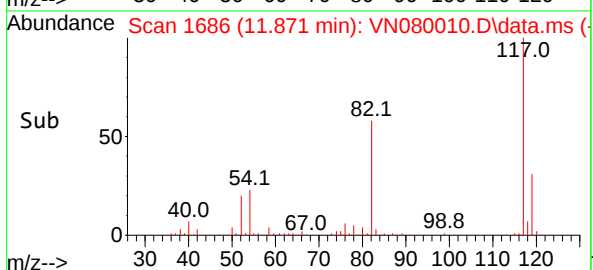
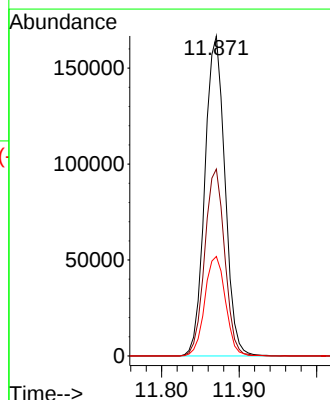
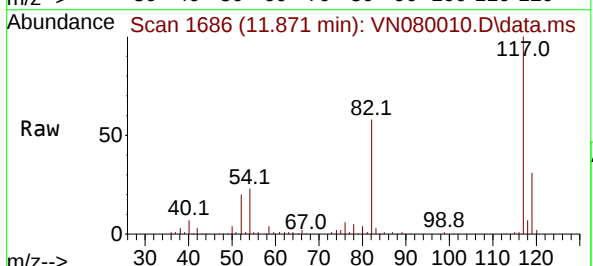
Tgt Ion:117 Resp: 299946

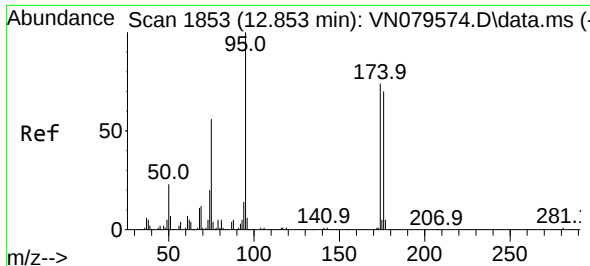
Ion Ratio Lower Upper

117 100

82 58.2 46.2 69.2

119 32.0 25.2 37.8

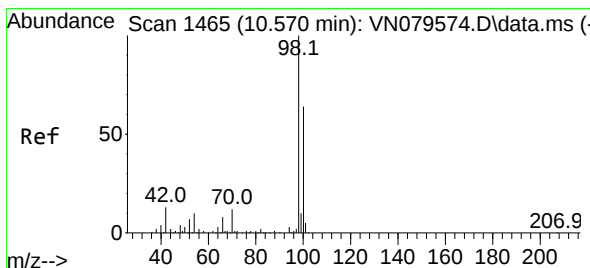
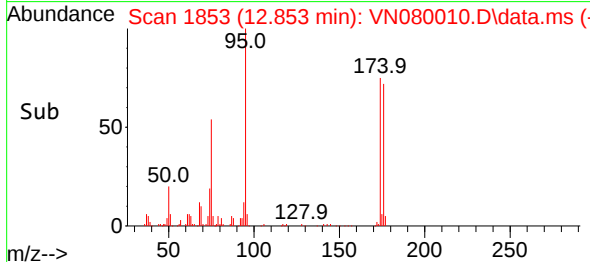
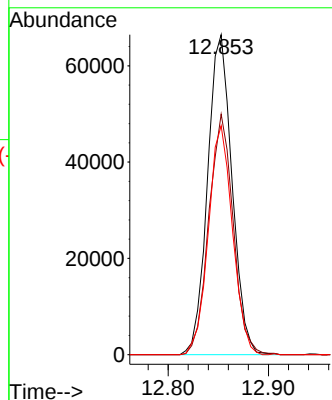
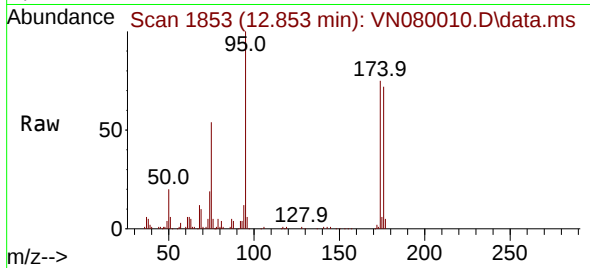




#60
4-Bromofluorobenzene
Concen: 23.506 ug/l
RT: 12.853 min Scan# 11
Delta R.T. -0.000 min
Lab File: VN080010.D
Acq: 08 Nov 2023 23:07

Instrument :
MSVOA_N
ClientSampleId :
14B-3

Tgt Ion: 95 Resp: 112751
Ion Ratio Lower Upper
95 100
174 74.6 60.5 90.7
176 70.6 57.2 85.8



#63
Toluene-d8
Concen: 28.261 ug/l
RT: 10.571 min Scan# 1465
Delta R.T. 0.001 min
Lab File: VN080010.D
Acq: 08 Nov 2023 23:07

Tgt Ion: 98 Resp: 401644
Ion Ratio Lower Upper
98 100
100 63.2 51.6 77.4

