

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN020924\
 Data File : VN080987.D
 Acq On : 09 Feb 2024 14:02
 Operator : JC\MD
 Sample : VN0209WBL01
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0209WBL01

Quant Time: Feb 10 02:03:04 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\624N020924W.M
 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
 QLast Update : Sat Feb 10 01:52:21 2024
 Response via : Initial Calibration

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

Internal Standards						
1) Bromochloromethane	7.818	128	78181	30.000	ug/l	0.00
28) 1,4-Difluorobenzene	9.106	114	435165	30.000	ug/l	0.00
57) Chlorobenzene-d5	11.870	117	372896	30.000	ug/l	0.00

System Monitoring Compounds						
27) 1,2-Dichloroethane-d4	8.582	65	175466	29.869	ug/l	0.00
Spiked Amount	30.000	Range	91 - 110	Recovery	=	99.567%
60) 4-Bromofluorobenzene	12.853	95	155126	27.211	ug/l	0.00
Spiked Amount	30.000	Range	63 - 112	Recovery	=	90.700%
63) Toluene-d8	10.571	98	515147	30.784	ug/l	0.00
Spiked Amount	30.000	Range	91 - 112	Recovery	=	102.600%

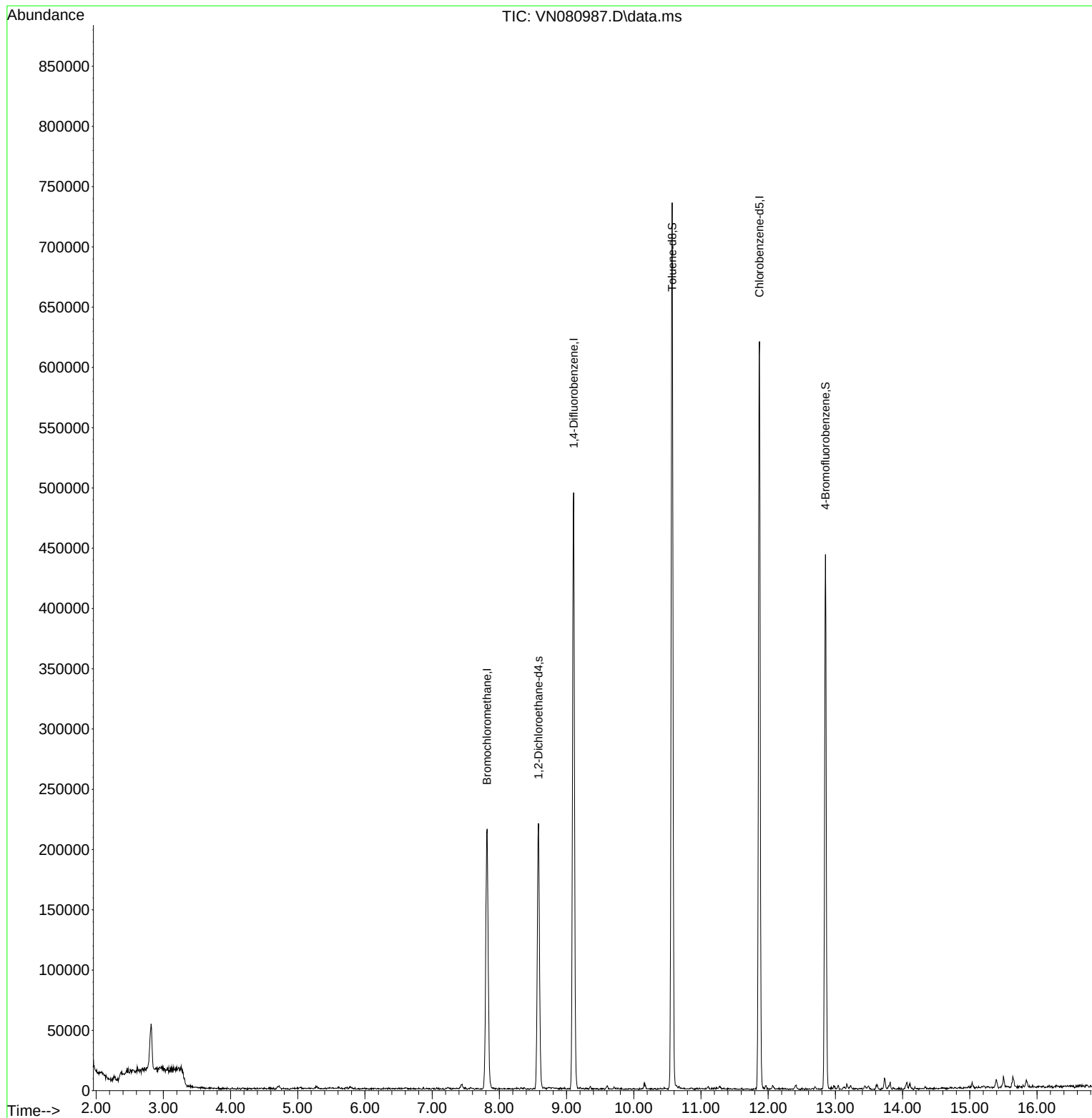
Target Compounds	Qvalue

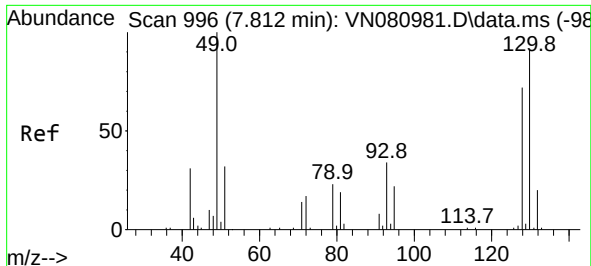
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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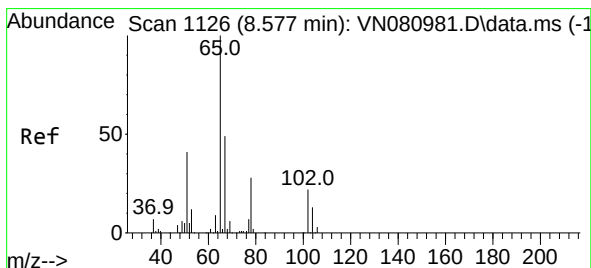
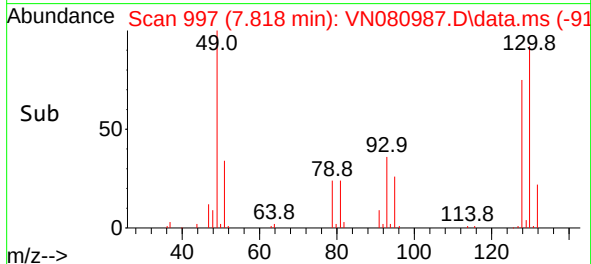
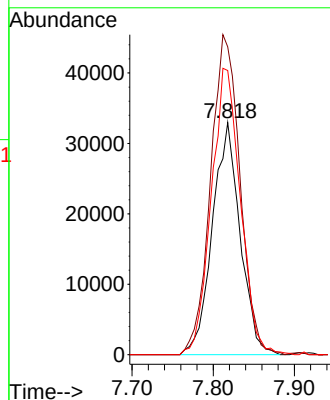
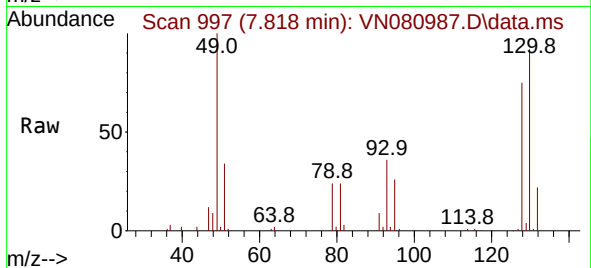




#1
Bromochloromethane
Concen: 30.000 ug/l
RT: 7.818 min Scan# 996
Delta R.T. 0.006 min
Lab File: VN080987.D
Acq: 09 Feb 2024 14:02

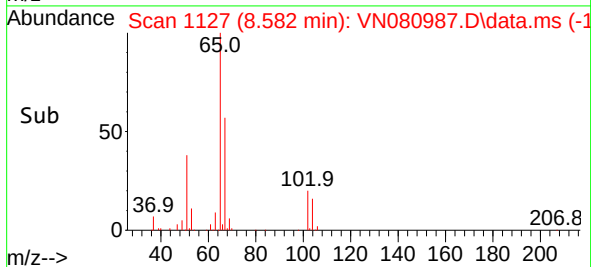
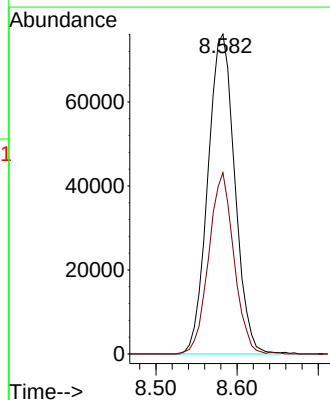
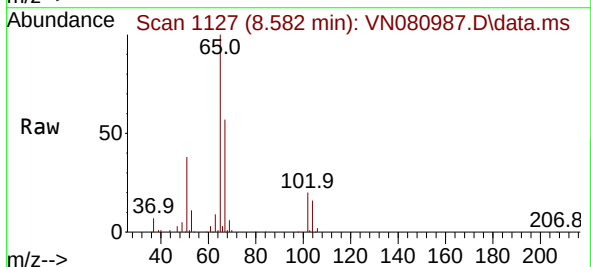
Instrument :
MSVOA_N
ClientSampleId :
VN0209WBL01

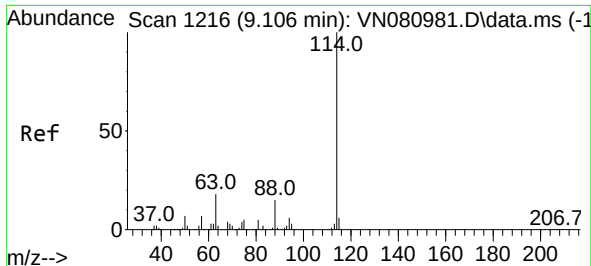
Tgt Ion:128 Resp: 78181
Ion Ratio Lower Upper
128 100
49 146.4 0.0 403.7
130 129.9 0.0 323.3



#27
1,2-Dichloroethane-d4
Concen: 29.869 ug/l
RT: 8.582 min Scan# 1127
Delta R.T. 0.006 min
Lab File: VN080987.D
Acq: 09 Feb 2024 14:02

Tgt Ion: 65 Resp: 175466
Ion Ratio Lower Upper
65 100
67 52.9 43.2 64.8





#28

1,4-Difluorobenzene

Concen: 30.000 ug/l

RT: 9.106 min Scan# 1

Delta R.T. -0.000 min

Lab File: VN080987.D

Acq: 09 Feb 2024 14:02

Instrument :

MSVOA_N

ClientSampleId :

VN0209WBL01

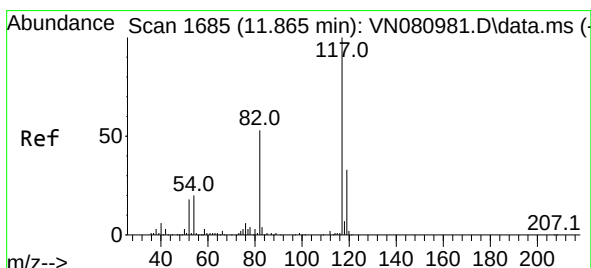
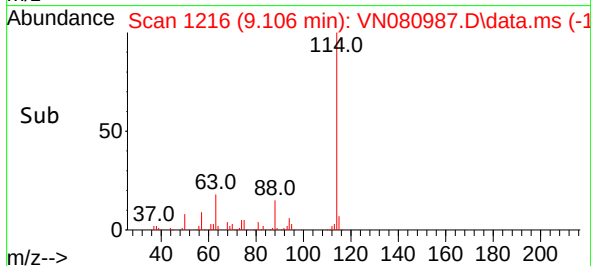
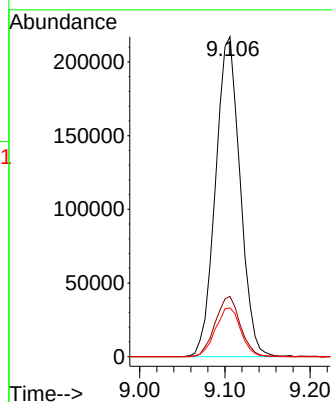
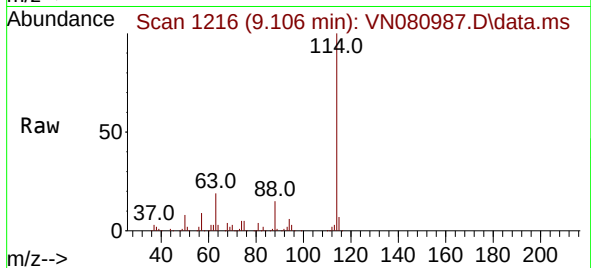
Tgt Ion:114 Resp: 435165

Ion Ratio Lower Upper

114 100

63 19.2 15.9 23.9

88 15.8 12.7 19.1



#57

Chlorobenzene-d5

Concen: 30.000 ug/l

RT: 11.870 min Scan# 1686

Delta R.T. 0.006 min

Lab File: VN080987.D

Acq: 09 Feb 2024 14:02

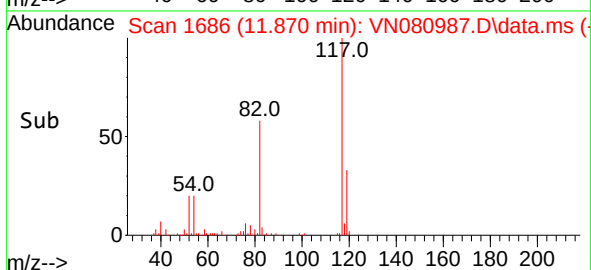
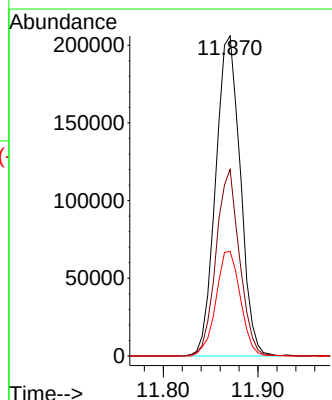
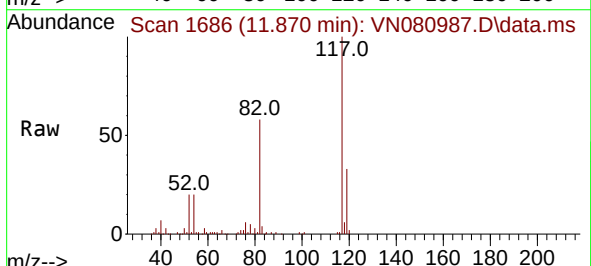
Tgt Ion:117 Resp: 372896

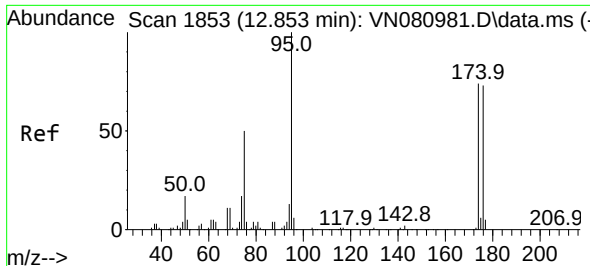
Ion Ratio Lower Upper

117 100

82 55.4 46.6 69.8

119 32.4 25.4 38.2

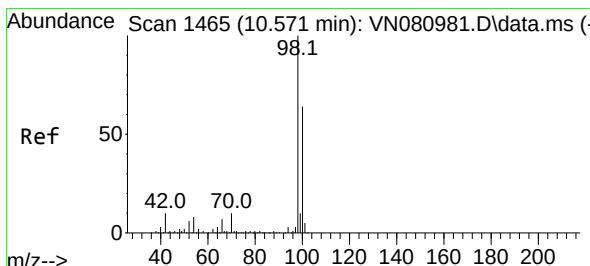
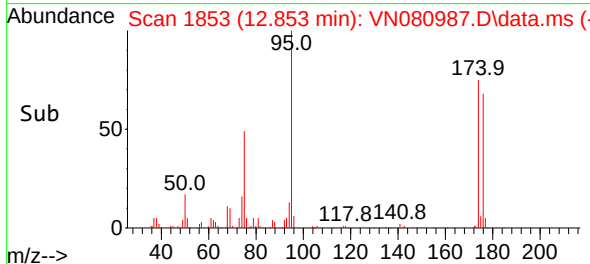
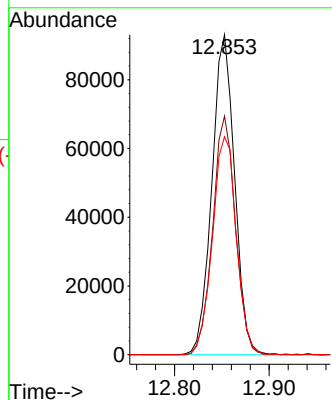
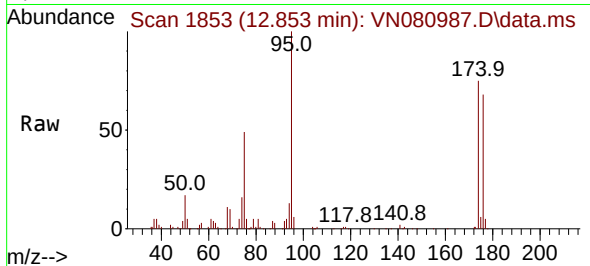




#60
4-Bromofluorobenzene
Concen: 27.211 ug/l
RT: 12.853 min Scan# 1853
Delta R.T. -0.000 min
Lab File: VN080987.D
Acq: 09 Feb 2024 14:02

Instrument :
MSVOA_N
ClientSampleId :
VN0209WBL01

Tgt Ion: 95 Resp: 155126
Ion Ratio Lower Upper
95 100
174 74.7 60.5 90.7
176 71.6 57.8 86.6



#63
Toluene-d8
Concen: 30.784 ug/l
RT: 10.571 min Scan# 1465
Delta R.T. -0.000 min
Lab File: VN080987.D
Acq: 09 Feb 2024 14:02

Tgt Ion: 98 Resp: 515147
Ion Ratio Lower Upper
98 100
100 65.1 52.7 79.1

