

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN040425\
 Data File : VN086229.D
 Acq On : 04 Apr 2025 13:14
 Operator : JC\MD
 Sample : IBLK
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 IBLK

Quant Time: Apr 05 00:50:20 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\624N040425W.M
 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
 QLast Update : Sat Apr 05 00:04:36 2025
 Response via : Initial Calibration

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

Internal Standards						
1) Bromochloromethane	7.812	128	26229	30.000	ug/l	0.00
28) 1,4-Difluorobenzene	9.100	114	136389	30.000	ug/l	0.00
57) Chlorobenzene-d5	11.865	117	124864	30.000	ug/l	0.00

System Monitoring Compounds						
27) 1,2-Dichloroethane-d4	8.577	65	79175	30.920	ug/l	0.00
Spiked Amount	30.000	Range	91 - 110	Recovery	=	103.067%
60) 4-Bromofluorobenzene	12.847	95	62522	25.545	ug/l	0.00
Spiked Amount	30.000	Range	63 - 112	Recovery	=	85.133%
63) Toluene-d8	10.565	98	204435	29.574	ug/l	0.00
Spiked Amount	30.000	Range	91 - 112	Recovery	=	98.567%

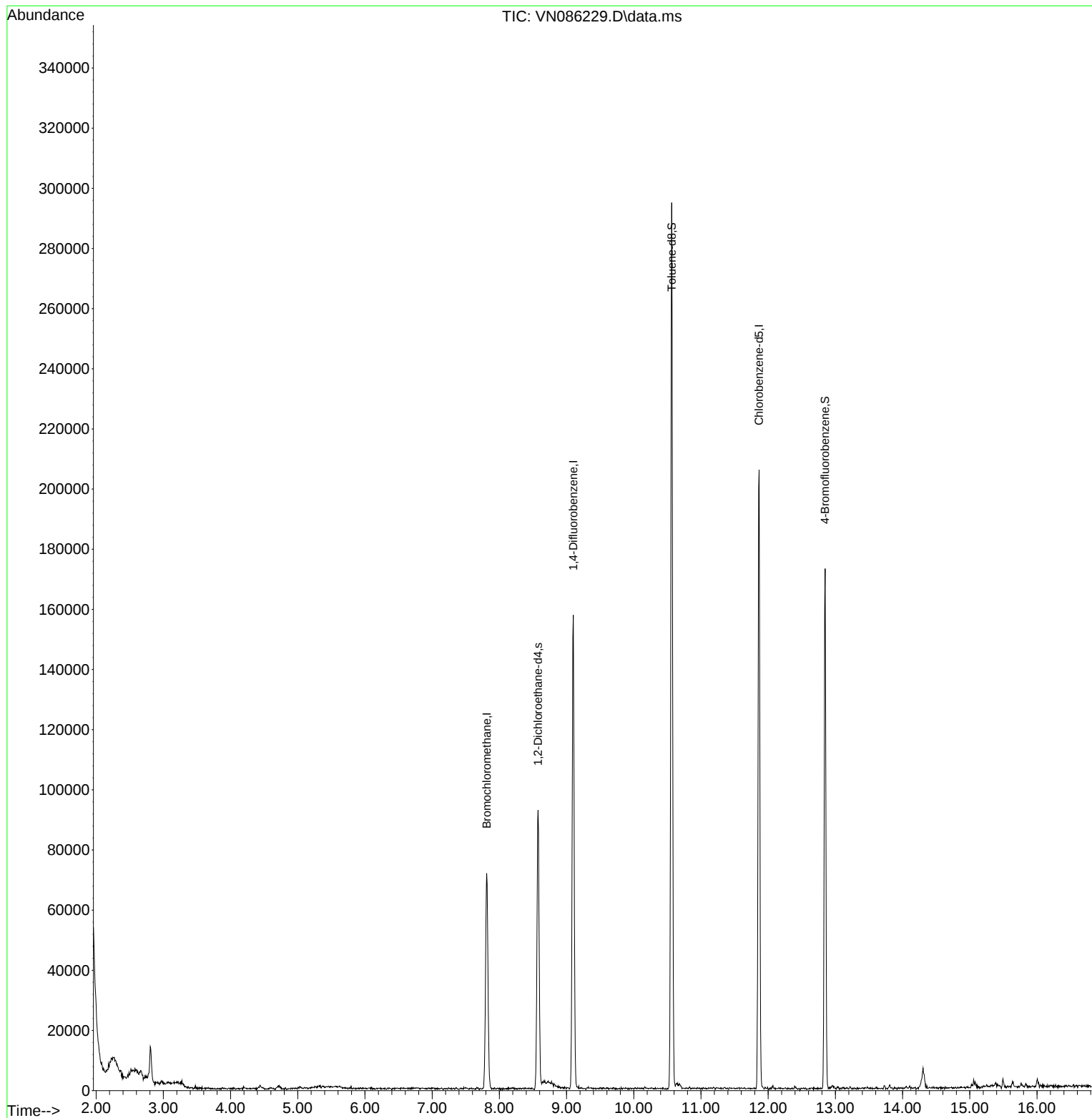
Target Compounds	Qvalue

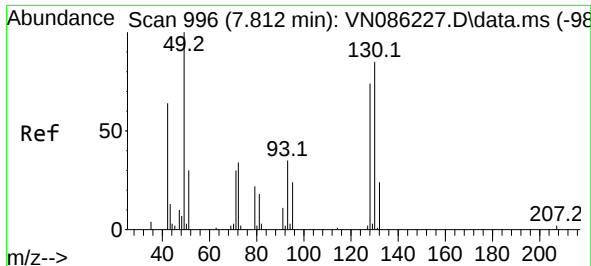
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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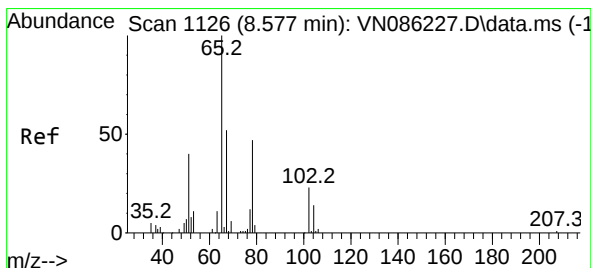
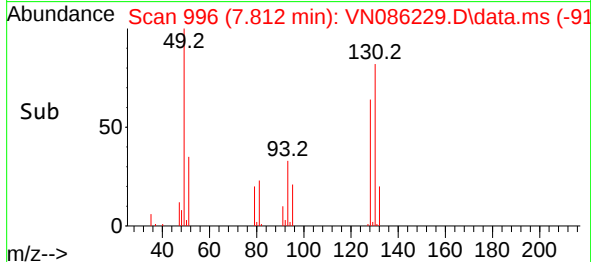
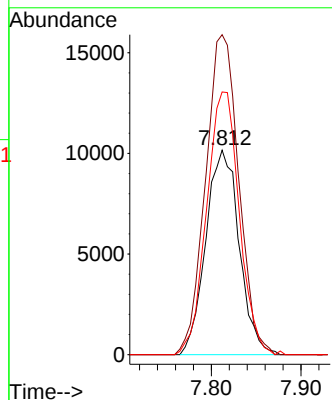
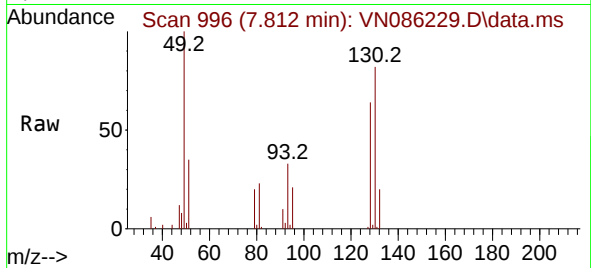




#1
Bromochloromethane
Concen: 30.000 ug/l
RT: 7.812 min Scan# 996
Delta R.T. 0.000 min
Lab File: VN086229.D
Acq: 04 Apr 2025 13:14

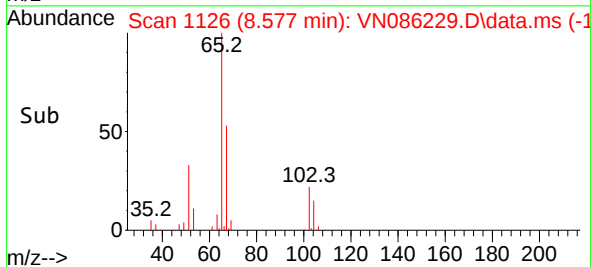
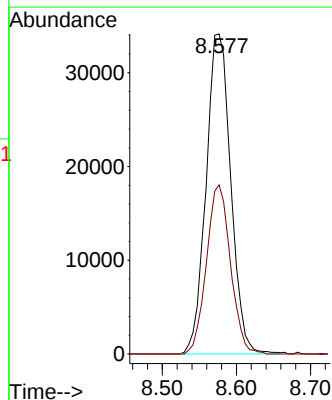
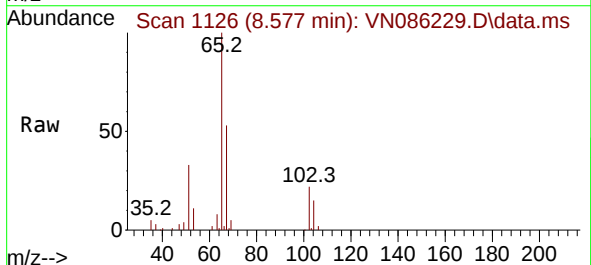
Instrument :
MSVOA_N
ClientSampleId :
IBLK

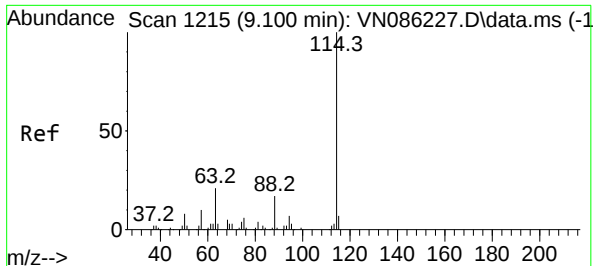
Tgt Ion:128 Resp: 26229
Ion Ratio Lower Upper
128 100
49 155.7 0.0 384.5
130 125.8 0.0 324.3



#27
1,2-Dichloroethane-d4
Concen: 30.920 ug/l
RT: 8.577 min Scan# 1126
Delta R.T. 0.000 min
Lab File: VN086229.D
Acq: 04 Apr 2025 13:14

Tgt Ion: 65 Resp: 79175
Ion Ratio Lower Upper
65 100
67 51.2 42.1 63.1





#28

1,4-Difluorobenzene

Concen: 30.000 ug/l

RT: 9.100 min Scan# 1

Delta R.T. 0.000 min

Lab File: VN086229.D

Acq: 04 Apr 2025 13:14

Instrument :

MSVOA_N

ClientSampleId :

IBLK

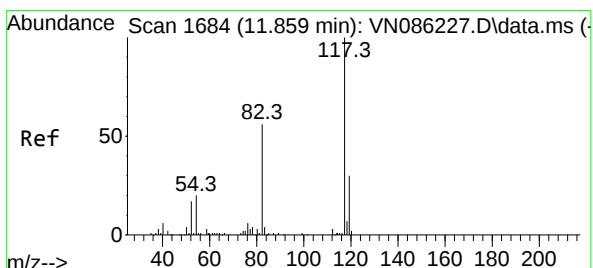
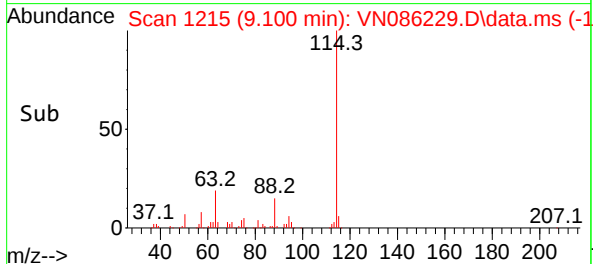
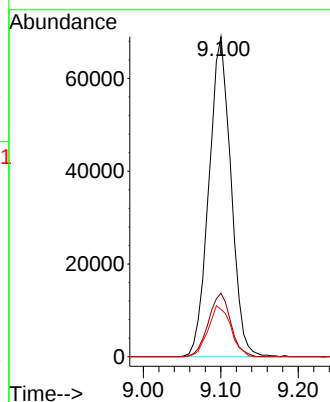
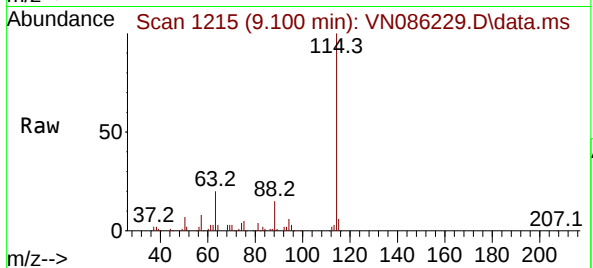
Tgt Ion:114 Resp: 136389

Ion Ratio Lower Upper

114 100

63 20.1 16.4 24.6

88 16.4 13.4 20.2



#57

Chlorobenzene-d5

Concen: 30.000 ug/l

RT: 11.865 min Scan# 1685

Delta R.T. 0.006 min

Lab File: VN086229.D

Acq: 04 Apr 2025 13:14

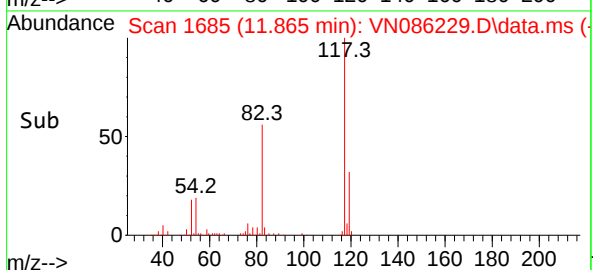
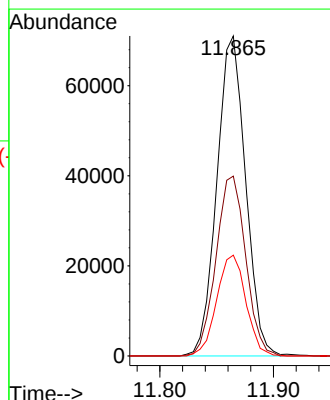
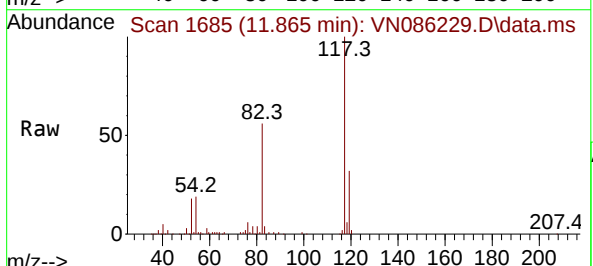
Tgt Ion:117 Resp: 124864

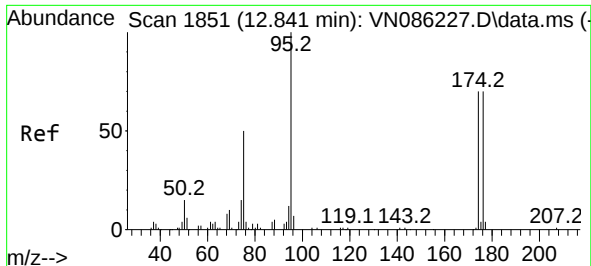
Ion Ratio Lower Upper

117 100

82 58.1 46.0 69.0

119 32.0 25.4 38.0

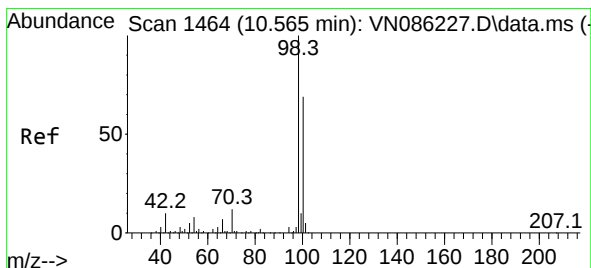
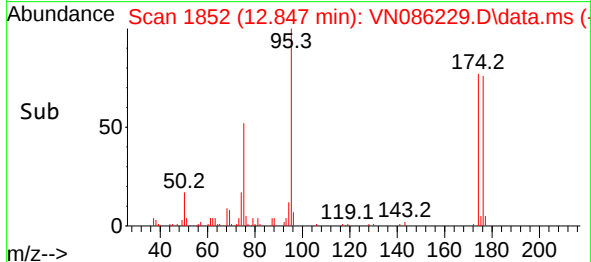
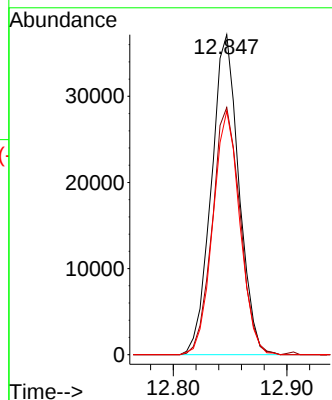
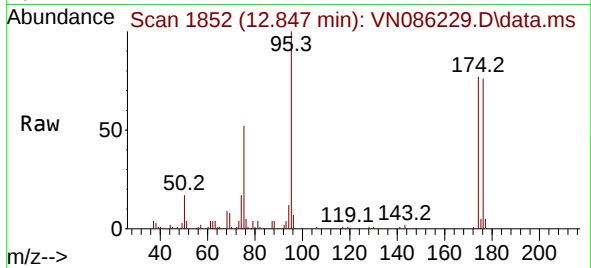




#60
4-Bromofluorobenzene
Concen: 25.545 ug/l
RT: 12.847 min Scan# 1851
Delta R.T. 0.006 min
Lab File: VN086229.D
Acq: 04 Apr 2025 13:14

Instrument :
MSVOA_N
ClientSampleId :
IBLK

Tgt Ion: 95 Resp: 62522
Ion Ratio Lower Upper
95 100
174 78.2 59.7 89.5
176 74.6 56.8 85.2



#63
Toluene-d8
Concen: 29.574 ug/l
RT: 10.565 min Scan# 1464
Delta R.T. 0.000 min
Lab File: VN086229.D
Acq: 04 Apr 2025 13:14

Tgt Ion: 98 Resp: 204435
Ion Ratio Lower Upper
98 100
100 65.7 53.9 80.9

