

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN053025\
 Data File : VN086829.D
 Acq On : 30 May 2025 12:49
 Operator : JC\MD
 Sample : VN0530WBL01
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0530WBL01

Quant Time: May 31 04:06:46 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\624N052925W.M
 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
 QLast Update : Fri May 30 02:22:52 2025
 Response via : Initial Calibration

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

Internal Standards						
1) Bromochloromethane	7.812	128	53111	30.000	ug/l	0.00
28) 1,4-Difluorobenzene	9.094	114	315124	30.000	ug/l	0.00
57) Chlorobenzene-d5	11.865	117	262457	30.000	ug/l	0.00

System Monitoring Compounds						
27) 1,2-Dichloroethane-d4	8.571	65	112146	30.732	ug/l	0.00
Spiked Amount	30.000	Range	91 - 110	Recovery	=	102.433%
60) 4-Bromofluorobenzene	12.847	95	116776	28.339	ug/l	0.00
Spiked Amount	30.000	Range	63 - 112	Recovery	=	94.467%
63) Toluene-d8	10.565	98	366536	30.427	ug/l	0.00
Spiked Amount	30.000	Range	91 - 112	Recovery	=	101.433%

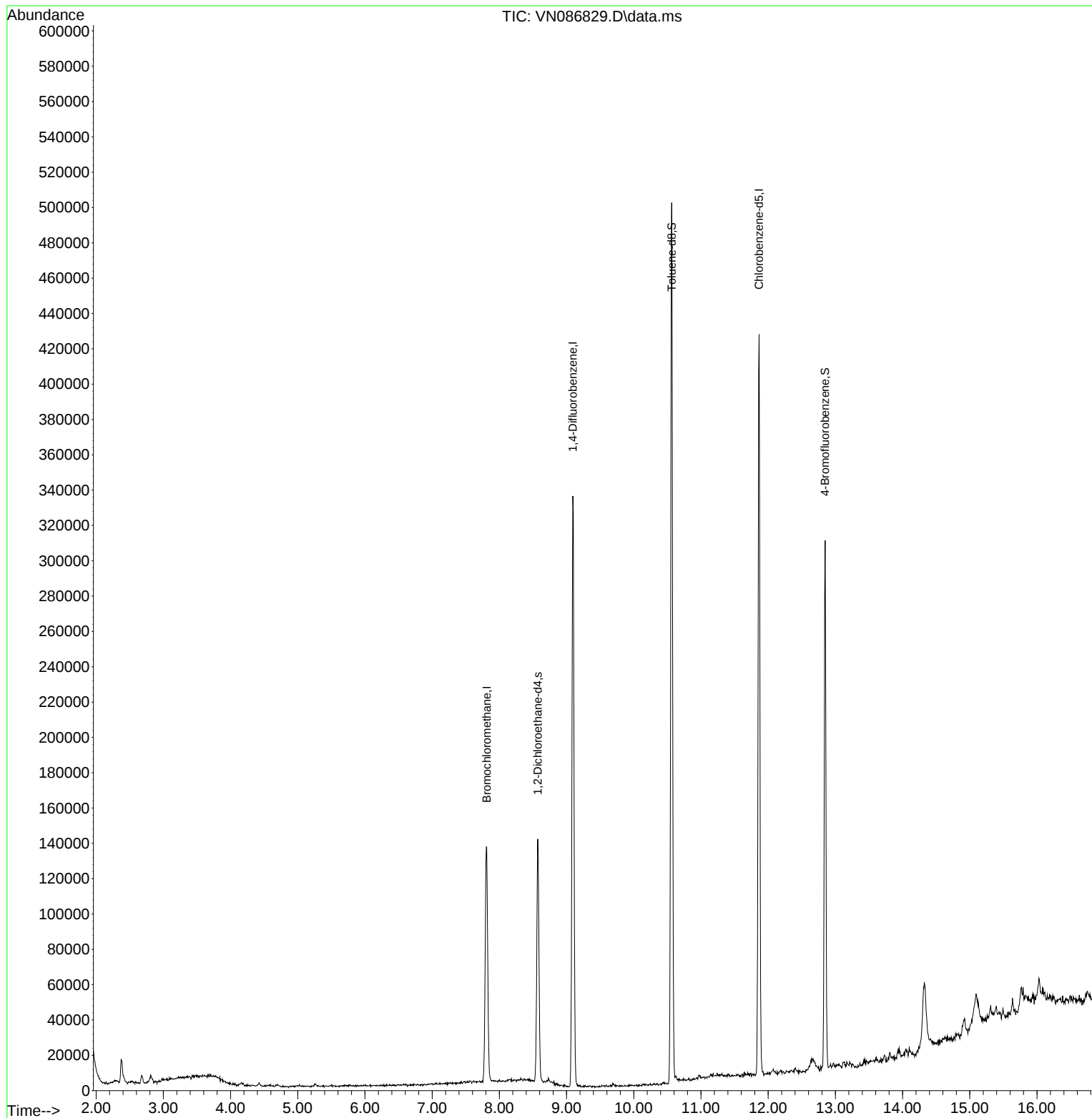
Target Compounds	Qvalue

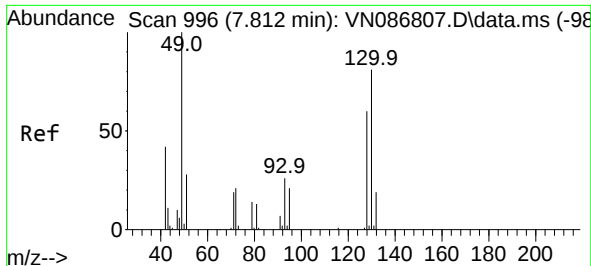
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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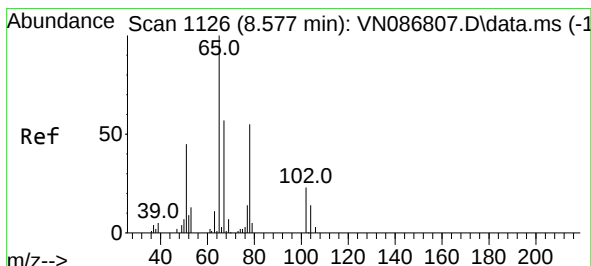
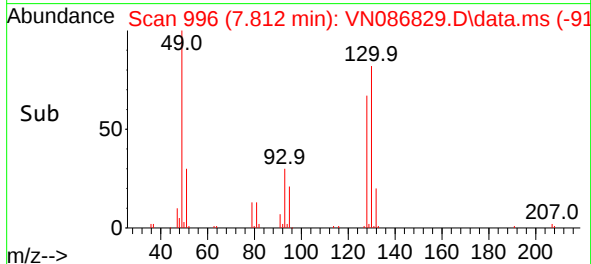
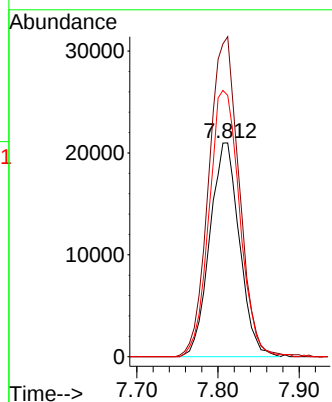
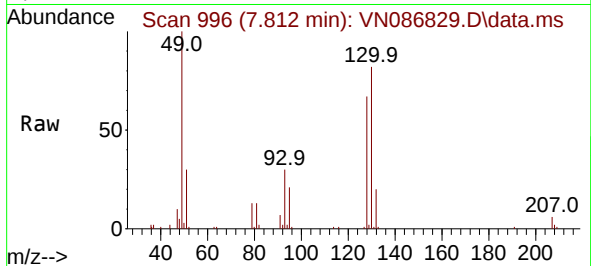




#1
Bromochloromethane
Concen: 30.000 ug/l
RT: 7.812 min Scan# 996
Delta R.T. -0.000 min
Lab File: VN086829.D
Acq: 30 May 2025 12:49

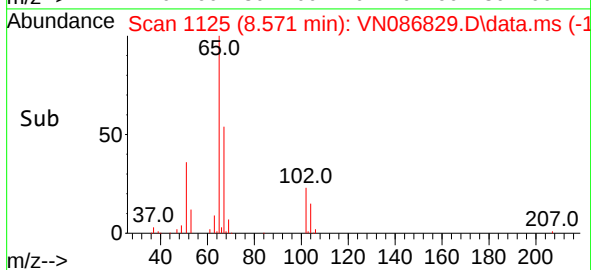
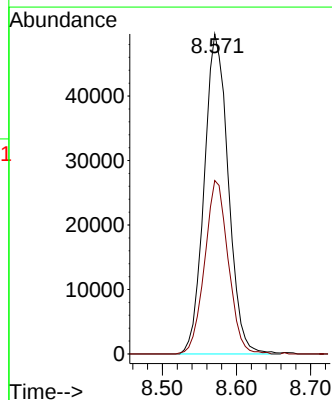
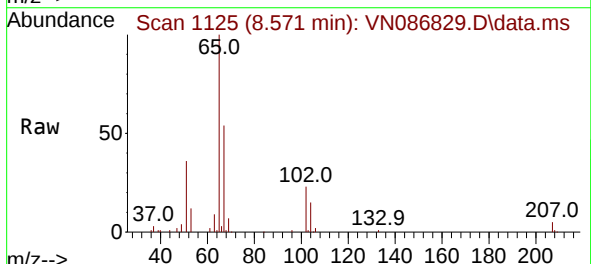
Instrument :
MSVOA_N
ClientSampleId :
VN0530WBL01

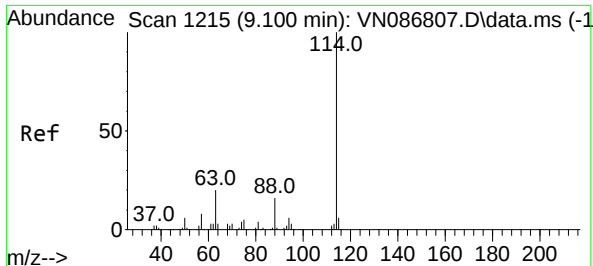
Tgt Ion:128 Resp: 53111
Ion Ratio Lower Upper
128 100
49 153.5 0.0 404.5
130 128.2 0.0 322.2



#27
1,2-Dichloroethane-d4
Concen: 30.732 ug/l
RT: 8.571 min Scan# 1125
Delta R.T. -0.006 min
Lab File: VN086829.D
Acq: 30 May 2025 12:49

Tgt Ion: 65 Resp: 112146
Ion Ratio Lower Upper
65 100
67 53.1 44.6 67.0





#28

1,4-Difluorobenzene

Concen: 30.000 ug/l

RT: 9.094 min Scan# 114

Delta R.T. -0.006 min

Lab File: VN086829.D

Acq: 30 May 2025 12:49

Instrument :

MSVOA_N

ClientSampleId :

VN0530WBL01

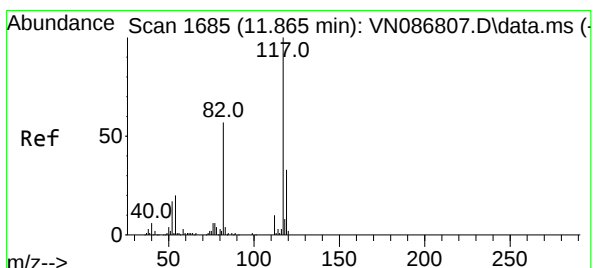
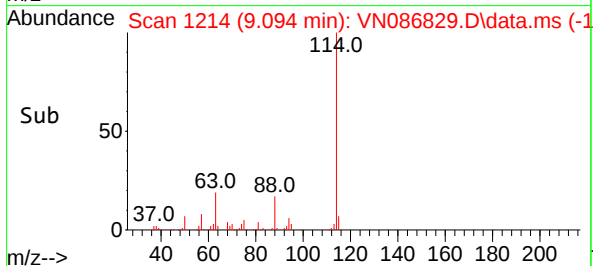
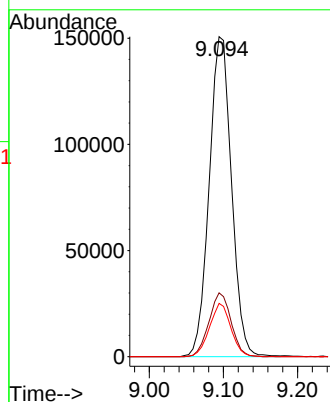
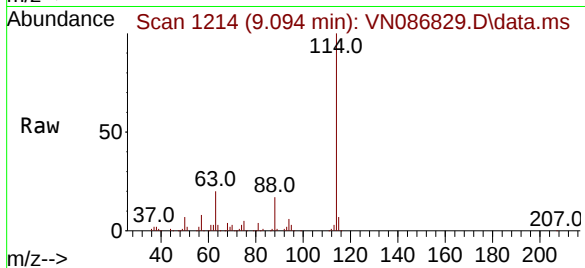
Tgt Ion:114 Resp: 315124

Ion Ratio Lower Upper

114 100

63 19.7 15.8 23.8

88 16.0 12.9 19.3



#57

Chlorobenzene-d5

Concen: 30.000 ug/l

RT: 11.865 min Scan# 1685

Delta R.T. -0.000 min

Lab File: VN086829.D

Acq: 30 May 2025 12:49

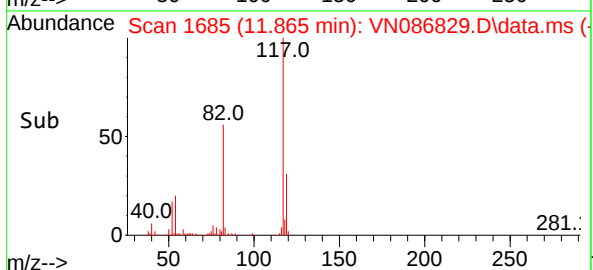
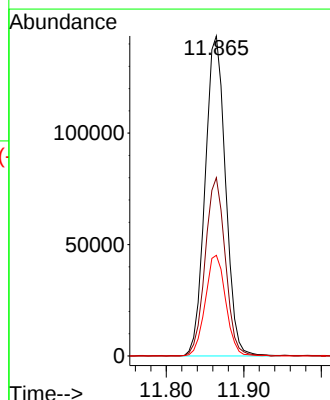
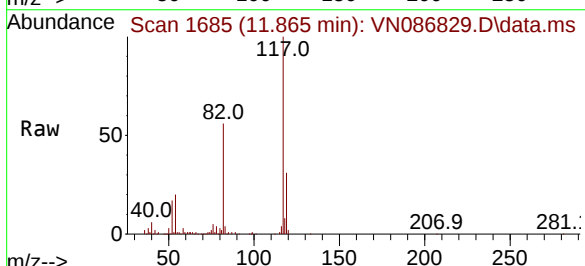
Tgt Ion:117 Resp: 262457

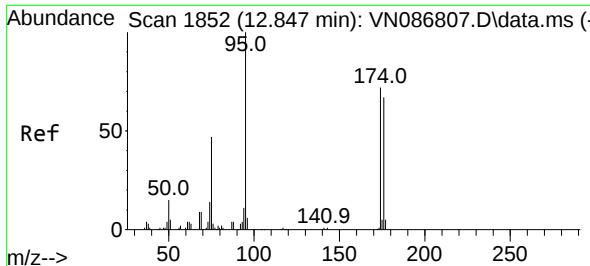
Ion Ratio Lower Upper

117 100

82 54.7 44.7 67.1

119 31.6 25.6 38.4

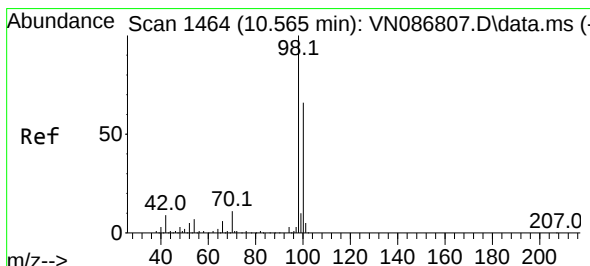
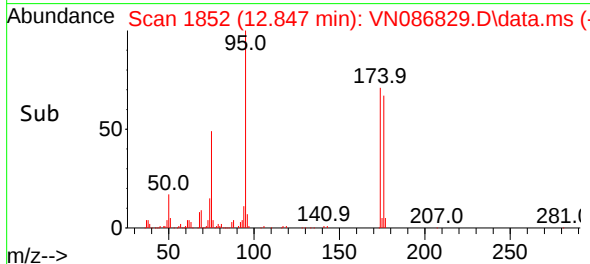
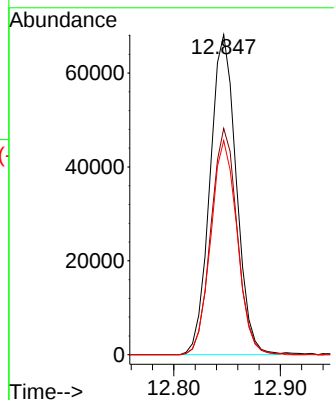
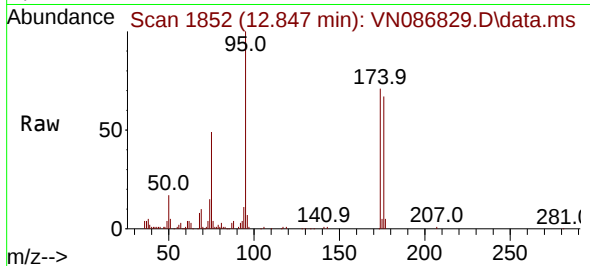




#60
4-Bromofluorobenzene
Concen: 28.339 ug/l
RT: 12.847 min Scan# 1852
Delta R.T. -0.000 min
Lab File: VN086829.D
Acq: 30 May 2025 12:49

Instrument :
MSVOA_N
ClientSampleId :
VN0530WBL01

Tgt Ion: 95 Resp: 116776
Ion Ratio Lower Upper
95 100
174 70.7 56.2 84.4
176 67.3 53.4 80.0



#63
Toluene-d8
Concen: 30.427 ug/l
RT: 10.565 min Scan# 1464
Delta R.T. -0.000 min
Lab File: VN086829.D
Acq: 30 May 2025 12:49

Tgt Ion: 98 Resp: 366536
Ion Ratio Lower Upper
98 100
100 66.2 52.7 79.1

