

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN071025\
 Data File : VN087321.D
 Acq On : 10 Jul 2025 13:27
 Operator : JC\MD
 Sample : Q2554-04
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 250709059-11 Trip blank

Quant Time: Jul 11 01:10:00 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\624N062525W.M
 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
 QLast Update : Wed Jun 25 10:49:56 2025
 Response via : Initial Calibration

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

Internal Standards						
1) Bromochloromethane	7.824	128	38034	30.000	ug/l	0.00
28) 1,4-Difluorobenzene	9.106	114	189173	30.000	ug/l	0.00
57) Chlorobenzene-d5	11.865	117	172316	30.000	ug/l	0.00

System Monitoring Compounds						
27) 1,2-Dichloroethane-d4	8.582	65	83890	29.274	ug/l	0.00
Spiked Amount	30.000	Range	91 - 110	Recovery	=	97.567%
60) 4-Bromofluorobenzene	12.847	95	70569	26.539	ug/l	0.00
Spiked Amount	30.000	Range	63 - 112	Recovery	=	88.467%
63) Toluene-d8	10.565	98	220382	28.484	ug/l	0.00
Spiked Amount	30.000	Range	91 - 112	Recovery	=	94.933%

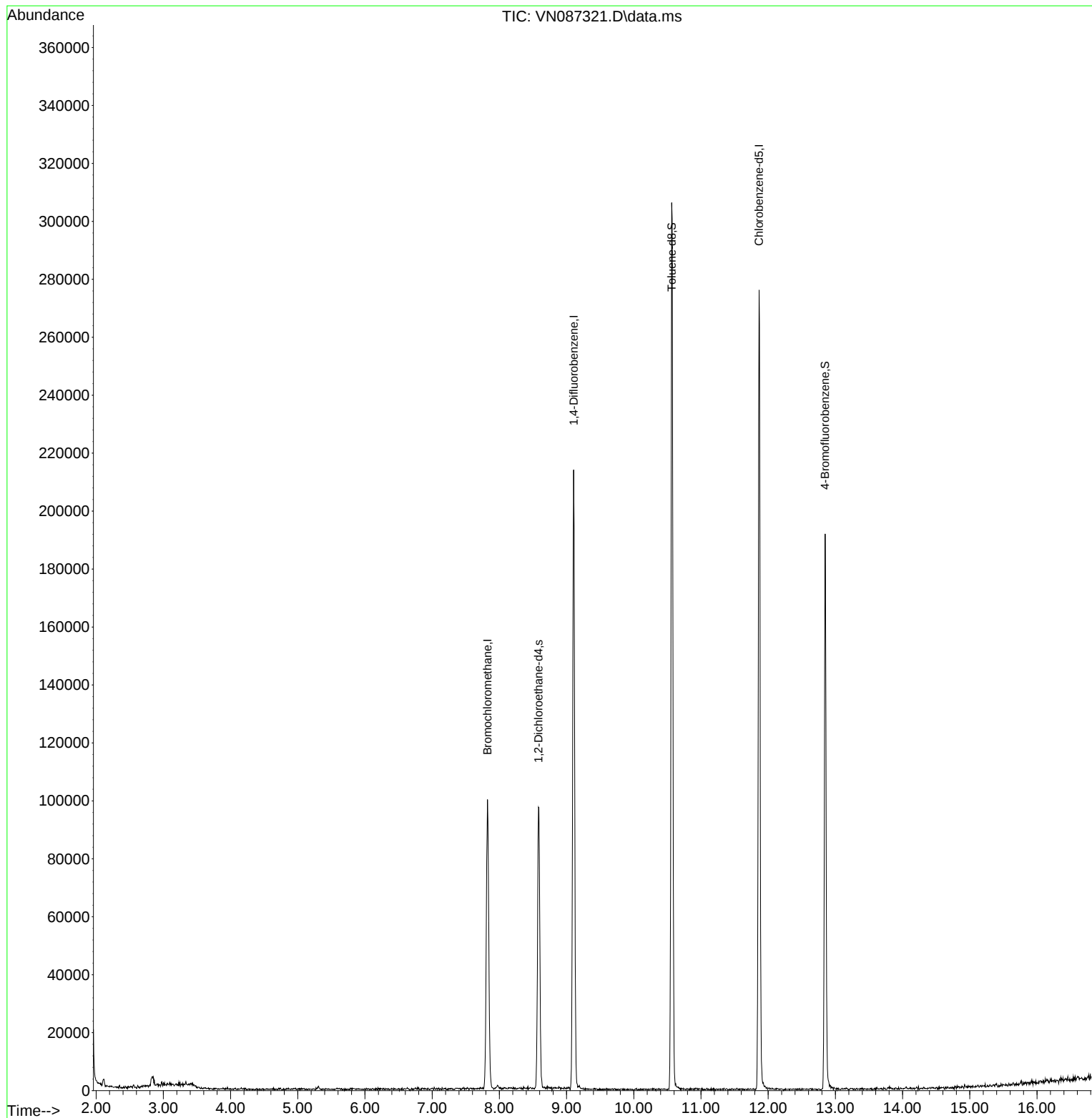
Target Compounds	Qvalue

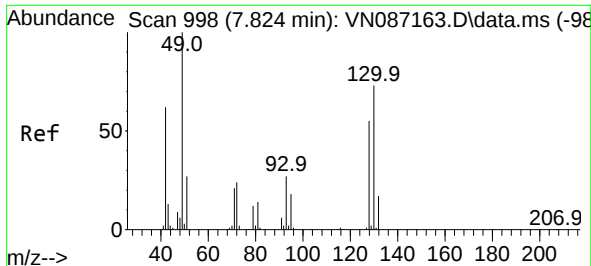
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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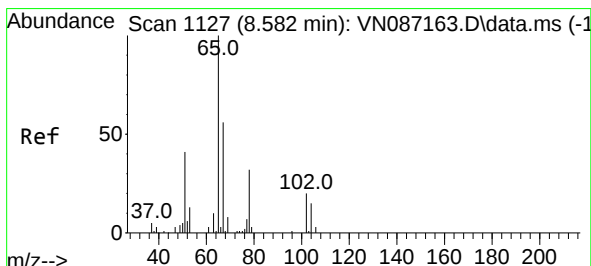
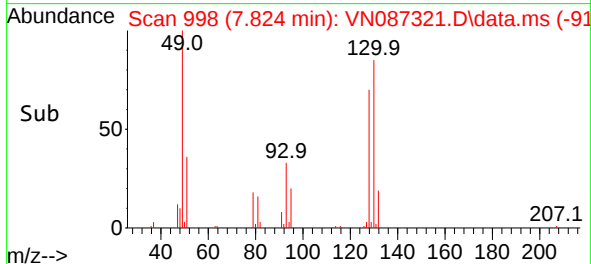
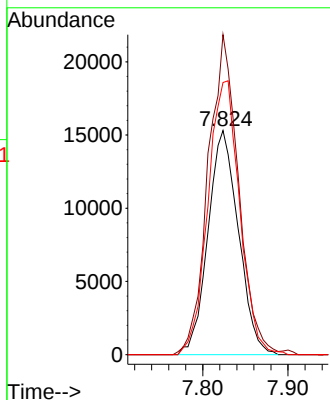
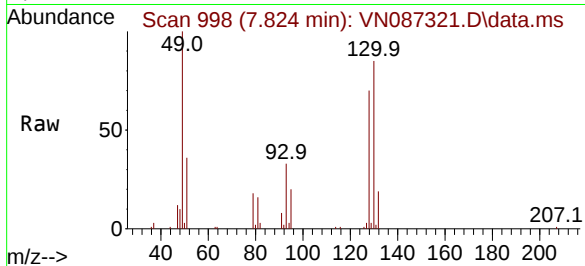




#1
Bromochloromethane
Concen: 30.000 ug/l
RT: 7.824 min Scan# 91
Delta R.T. -0.000 min
Lab File: VN087321.D
Acq: 10 Jul 2025 13:27

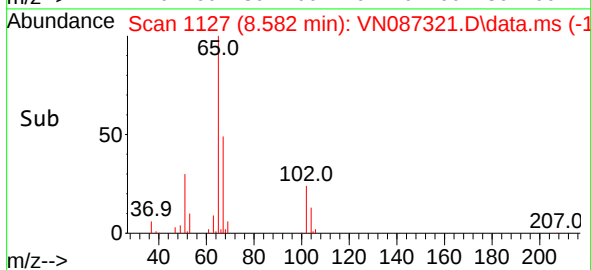
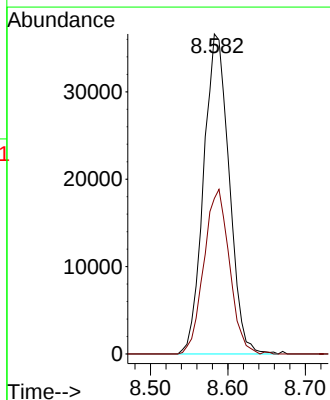
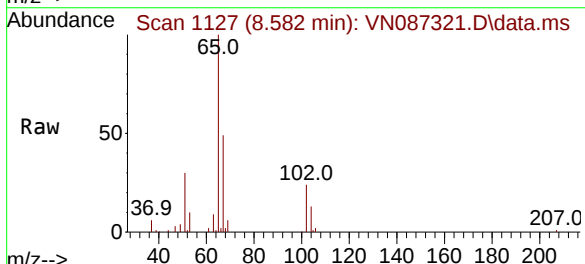
Instrument :
MSVOA_N
ClientSampleId :
250709059-11 Trip blank

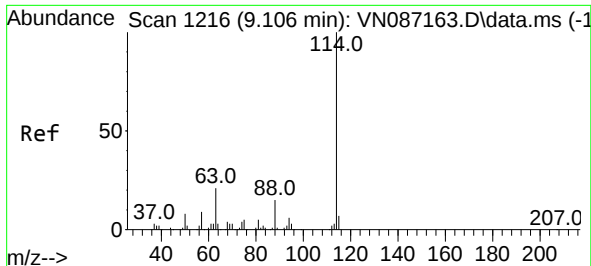
Tgt Ion:128 Resp: 38034
Ion Ratio Lower Upper
128 100
49 141.9 0.0 450.5
130 127.6 0.0 320.7



#27
1,2-Dichloroethane-d4
Concen: 29.274 ug/l
RT: 8.582 min Scan# 1127
Delta R.T. 0.000 min
Lab File: VN087321.D
Acq: 10 Jul 2025 13:27

Tgt Ion: 65 Resp: 83890
Ion Ratio Lower Upper
65 100
67 51.5 41.9 62.9





#28

1,4-Difluorobenzene

Concen: 30.000 ug/l

RT: 9.106 min Scan# 1

Delta R.T. 0.000 min

Lab File: VN087321.D

Acq: 10 Jul 2025 13:27

Instrument :

MSVOA_N

ClientSampleId :

250709059-11 Trip blank

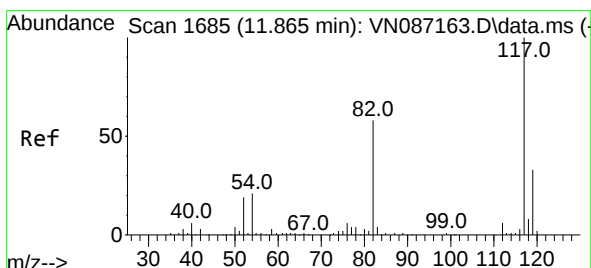
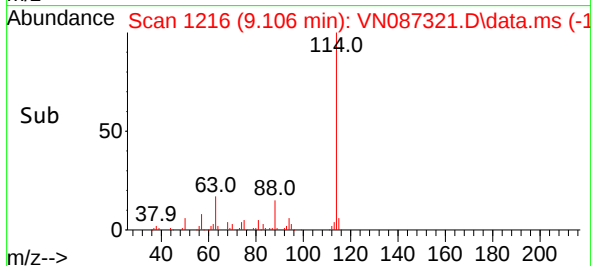
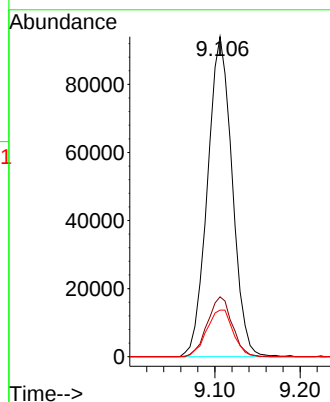
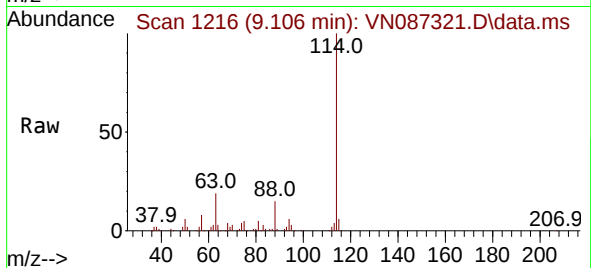
Tgt Ion:114 Resp: 189173

Ion Ratio Lower Upper

114 100

63 18.8 17.0 25.4

88 15.6 12.6 19.0



#57

Chlorobenzene-d5

Concen: 30.000 ug/l

RT: 11.865 min Scan# 1685

Delta R.T. 0.000 min

Lab File: VN087321.D

Acq: 10 Jul 2025 13:27

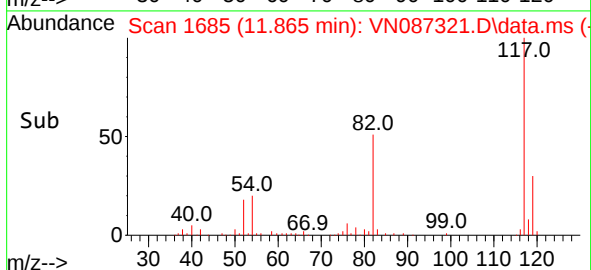
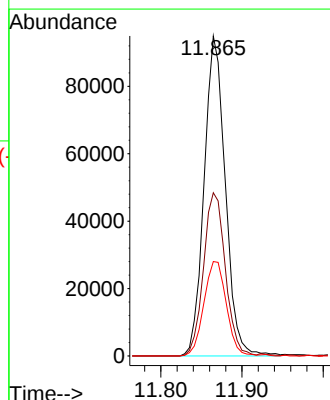
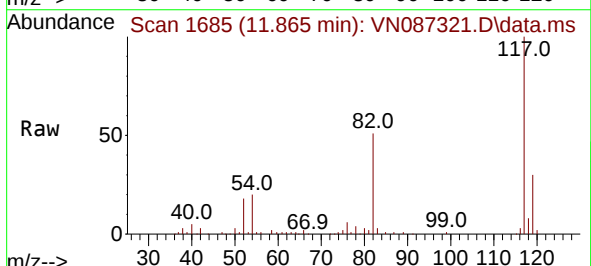
Tgt Ion:117 Resp: 172316

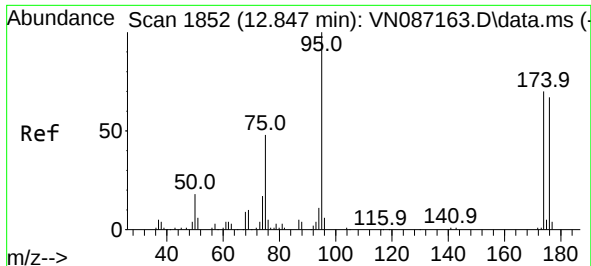
Ion Ratio Lower Upper

117 100

82 52.5 45.4 68.2

119 31.1 26.2 39.4

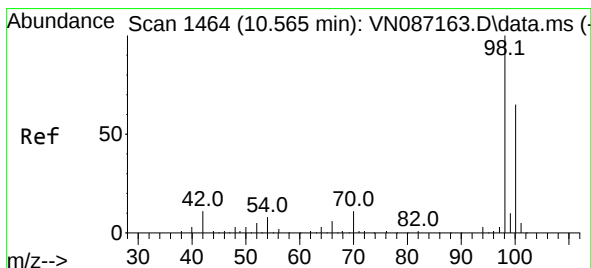
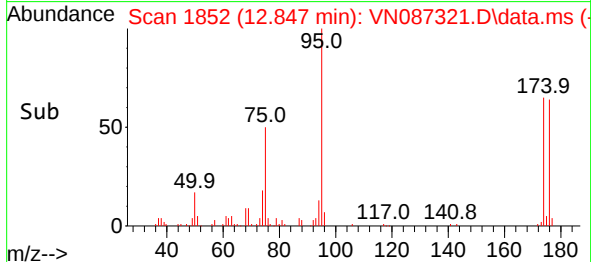
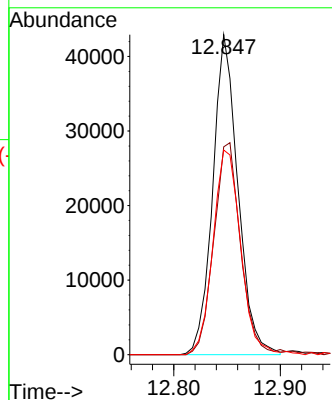
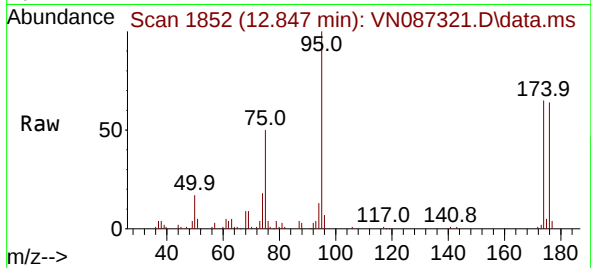




#60
4-Bromofluorobenzene
Concen: 26.539 ug/l
RT: 12.847 min Scan# 11
Delta R.T. 0.000 min
Lab File: VN087321.D
Acq: 10 Jul 2025 13:27

Instrument :
MSVOA_N
ClientSampleId :
250709059-11 Trip blank

Tgt Ion: 95 Resp: 70569
Ion Ratio Lower Upper
95 100
174 69.7 54.5 81.7
176 70.0 51.9 77.9



#63
Toluene-d8
Concen: 28.484 ug/l
RT: 10.565 min Scan# 1464
Delta R.T. 0.000 min
Lab File: VN087321.D
Acq: 10 Jul 2025 13:27

Tgt Ion: 98 Resp: 220382
Ion Ratio Lower Upper
98 100
100 64.7 52.5 78.7

