

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN120525\
Data File : VN088466.D
Acq On : 05 Dec 2025 10:26
Operator : JC\MD
Sample : VN1205WBL01
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 6 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
VN1205WBL01

Quant Time: Dec 05 23:38:10 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\624N111325W.M
Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
QLast Update : Fri Nov 14 00:49:21 2025
Response via : Initial Calibration

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

Internal Standards						
1) Bromochloromethane	7.794	128	52610	30.000	ug/l	0.00
28) 1,4-Difluorobenzene	9.082	114	265051	30.000	ug/l	0.00
57) Chlorobenzene-d5	11.841	117	235330	30.000	ug/l	0.00

System Monitoring Compounds						
27) 1,2-Dichloroethane-d4	8.559	65	158711	33.026	ug/l	0.00
Spiked Amount	30.000	Range	91 - 110	Recovery	=	110.100%#
60) 4-Bromofluorobenzene	12.829	95	105075	26.413	ug/l	0.00
Spiked Amount	30.000	Range	63 - 112	Recovery	=	88.033%
63) Toluene-d8	10.541	98	331315	29.737	ug/l	0.00
Spiked Amount	30.000	Range	91 - 112	Recovery	=	99.133%

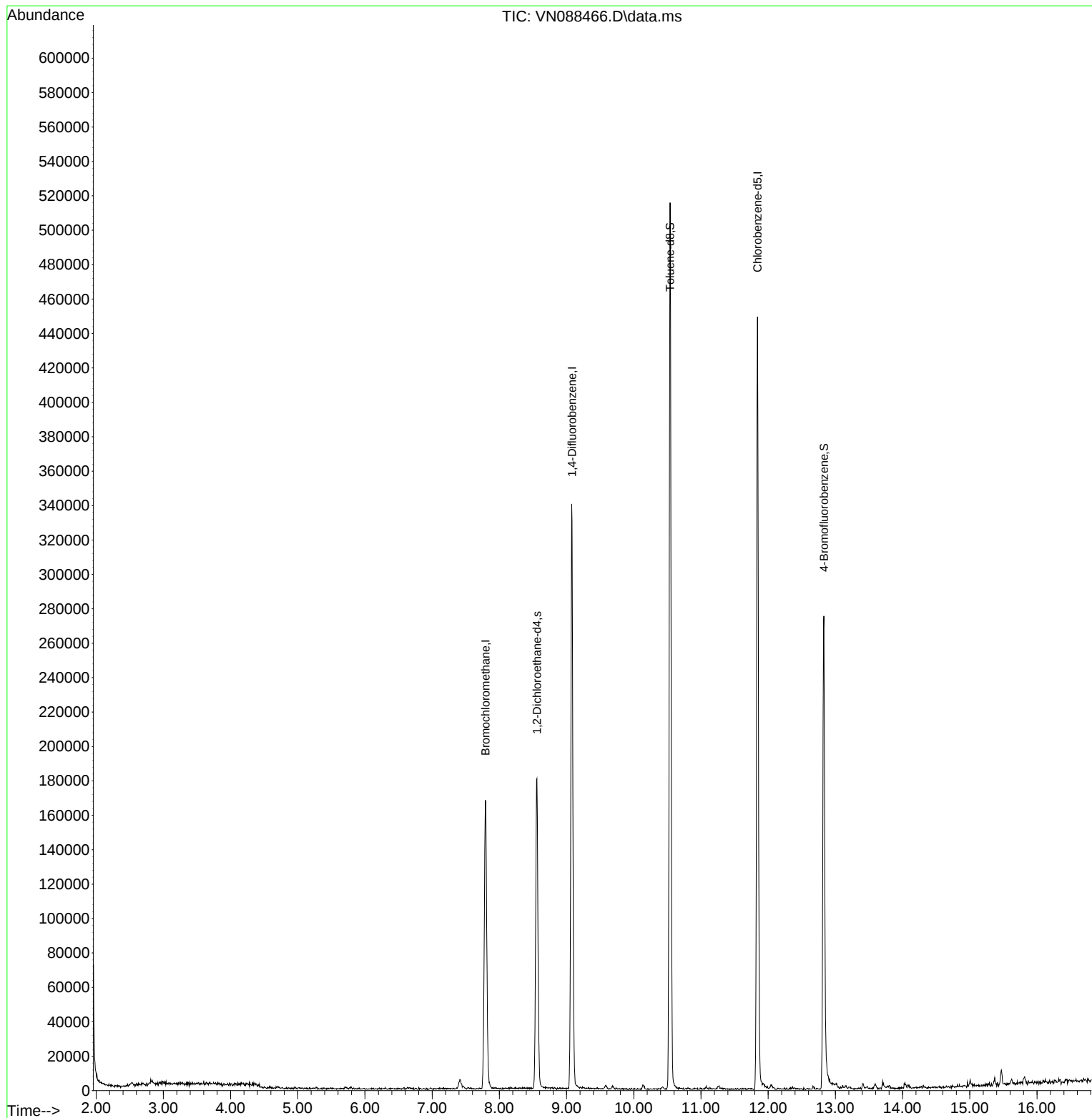
Target Compounds	Qvalue

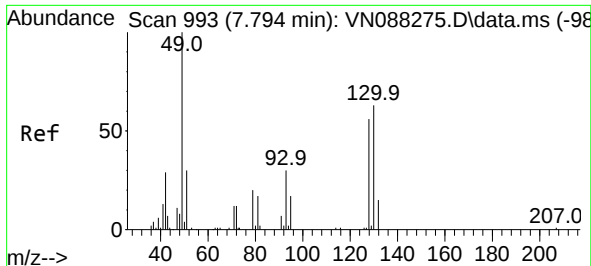
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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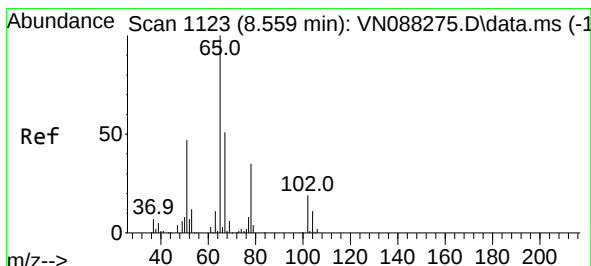
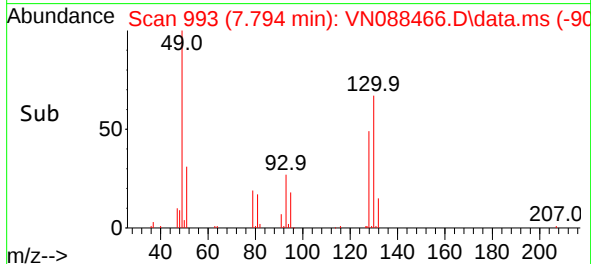
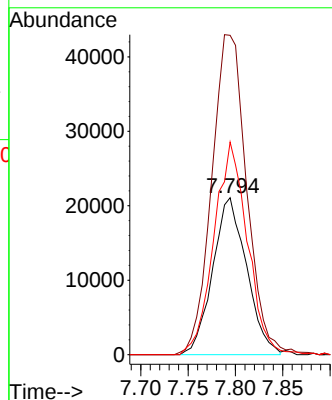
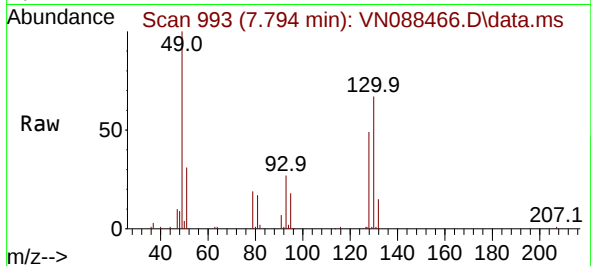




#1
Bromochloromethane
Concen: 30.000 ug/l
RT: 7.794 min Scan# 993
Delta R.T. 0.000 min
Lab File: VN088466.D
Acq: 05 Dec 2025 10:26

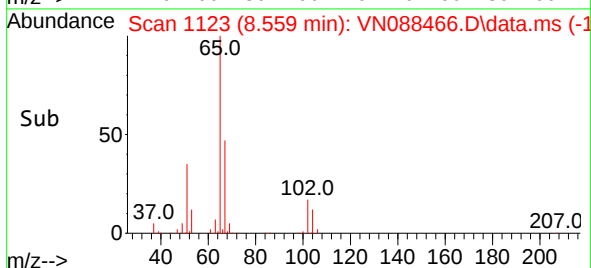
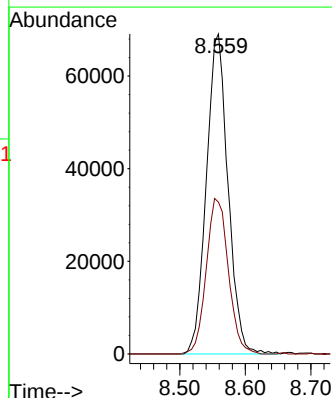
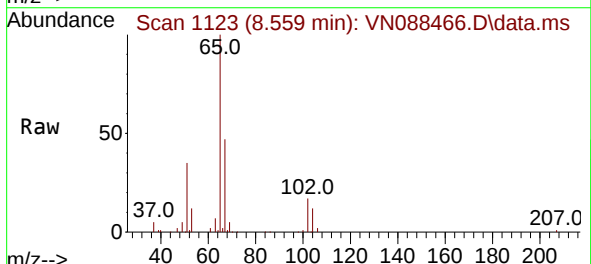
Instrument :
MSVOA_N
ClientSampleId :
VN1205WBL01

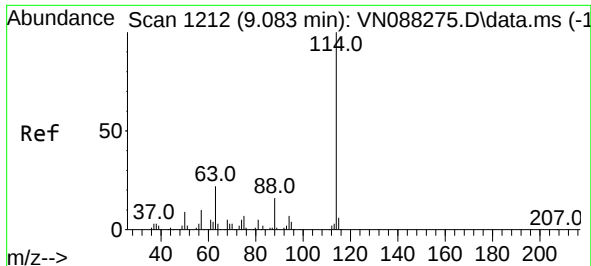
Tgt Ion:128 Resp: 52610
Ion Ratio Lower Upper
128 100
49 210.2 0.0 501.2
130 133.5 0.0 320.2



#27
1,2-Dichloroethane-d4
Concen: 33.026 ug/l
RT: 8.559 min Scan# 1123
Delta R.T. -0.000 min
Lab File: VN088466.D
Acq: 05 Dec 2025 10:26

Tgt Ion: 65 Resp: 158711
Ion Ratio Lower Upper
65 100
67 49.5 40.2 60.2





#28

1,4-Difluorobenzene

Concen: 30.000 ug/l

RT: 9.082 min Scan# 1

Delta R.T. -0.000 min

Lab File: VN088466.D

Acq: 05 Dec 2025 10:26

Instrument :

MSVOA_N

ClientSampleId :

VN1205WBL01

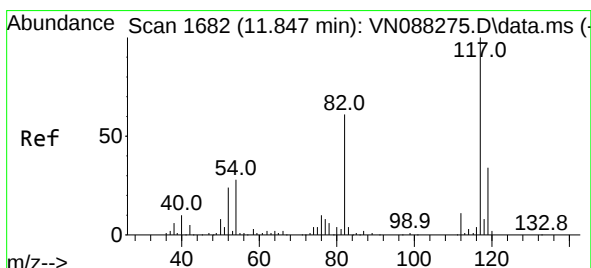
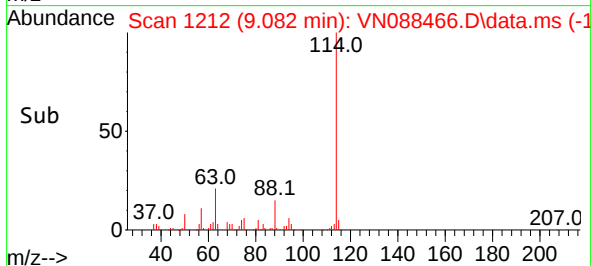
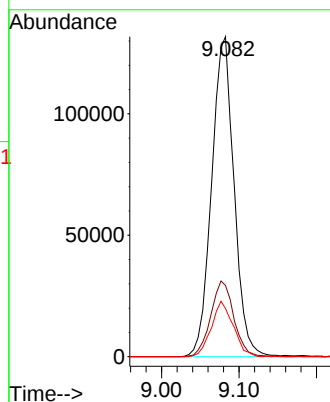
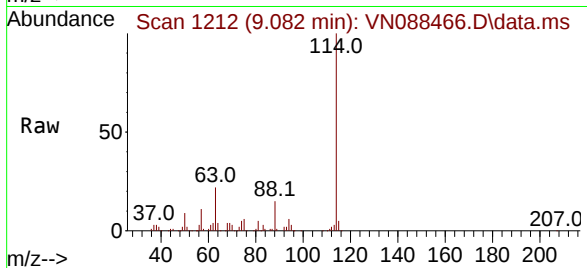
Tgt Ion:114 Resp: 265051

Ion Ratio Lower Upper

114 100

63 24.4 18.9 28.3

88 16.9 12.8 19.2



#57

Chlorobenzene-d5

Concen: 30.000 ug/l

RT: 11.841 min Scan# 1681

Delta R.T. -0.006 min

Lab File: VN088466.D

Acq: 05 Dec 2025 10:26

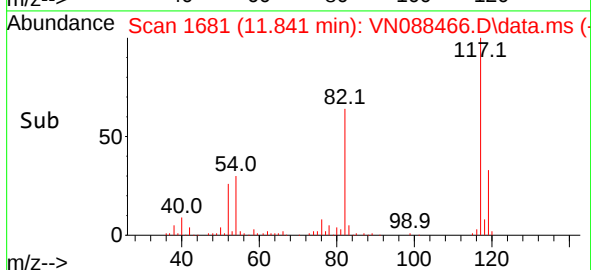
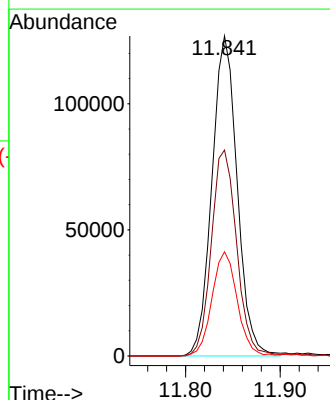
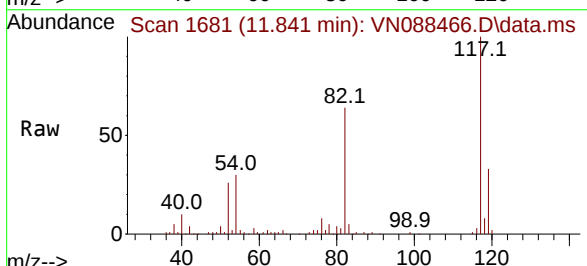
Tgt Ion:117 Resp: 235330

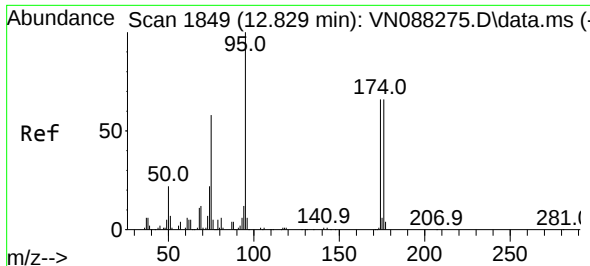
Ion Ratio Lower Upper

117 100

82 64.4 49.3 73.9

119 32.3 26.4 39.6

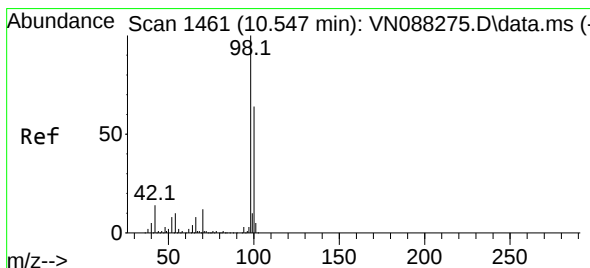
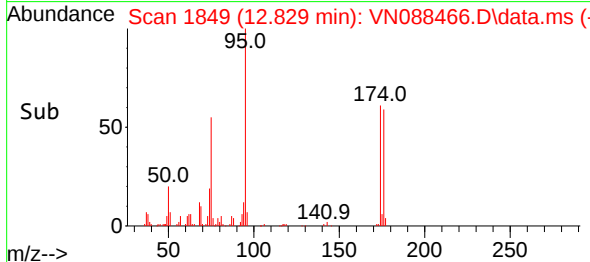
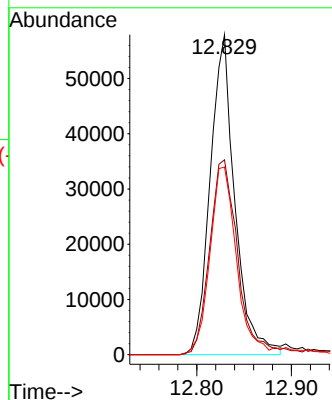
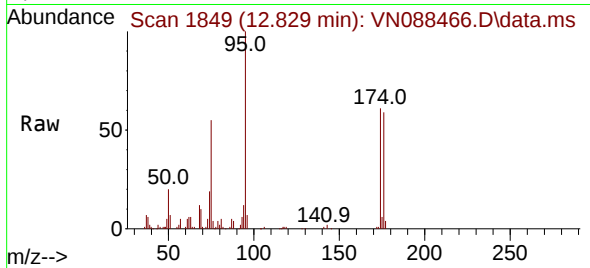




#60
4-Bromofluorobenzene
Concen: 26.413 ug/l
RT: 12.829 min Scan# 11
Delta R.T. -0.000 min
Lab File: VN088466.D
Acq: 05 Dec 2025 10:26

Instrument :
MSVOA_N
ClientSampleId :
VN1205WBL01

Tgt Ion: 95 Resp: 105075
Ion Ratio Lower Upper
95 100
174 68.2 54.5 81.7
176 62.8 53.8 80.6



#63
Toluene-d8
Concen: 29.737 ug/l
RT: 10.541 min Scan# 1460
Delta R.T. -0.006 min
Lab File: VN088466.D
Acq: 05 Dec 2025 10:26

Tgt Ion: 98 Resp: 331315
Ion Ratio Lower Upper
98 100
100 64.4 51.6 77.4

