

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN111425\
 Data File : VN088285.D
 Acq On : 14 Nov 2025 10:38
 Operator : JC\MD
 Sample : VN1114WBL01
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1114WBL01

Quant Time: Nov 14 21:49:14 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	53945	30.000	ug/l	0.00
28) 1,4-Difluorobenzene	9.082	114	285107	30.000	ug/l	0.00
57) Chlorobenzene-d5	11.841	117	248105	30.000	ug/l	0.00
System Monitoring Compounds						
27) 1,2-Dichloroethane-d4	8.565	65	150878	30.619	ug/l	0.00
Spiked Amount	30.000	Range	91 - 110	Recovery	=	102.067%
60) 4-Bromofluorobenzene	12.829	95	110999	26.466	ug/l	0.00
Spiked Amount	30.000	Range	63 - 112	Recovery	=	88.233%
63) Toluene-d8	10.541	98	347089	29.549	ug/l	0.00
Spiked Amount	30.000	Range	91 - 112	Recovery	=	98.500%

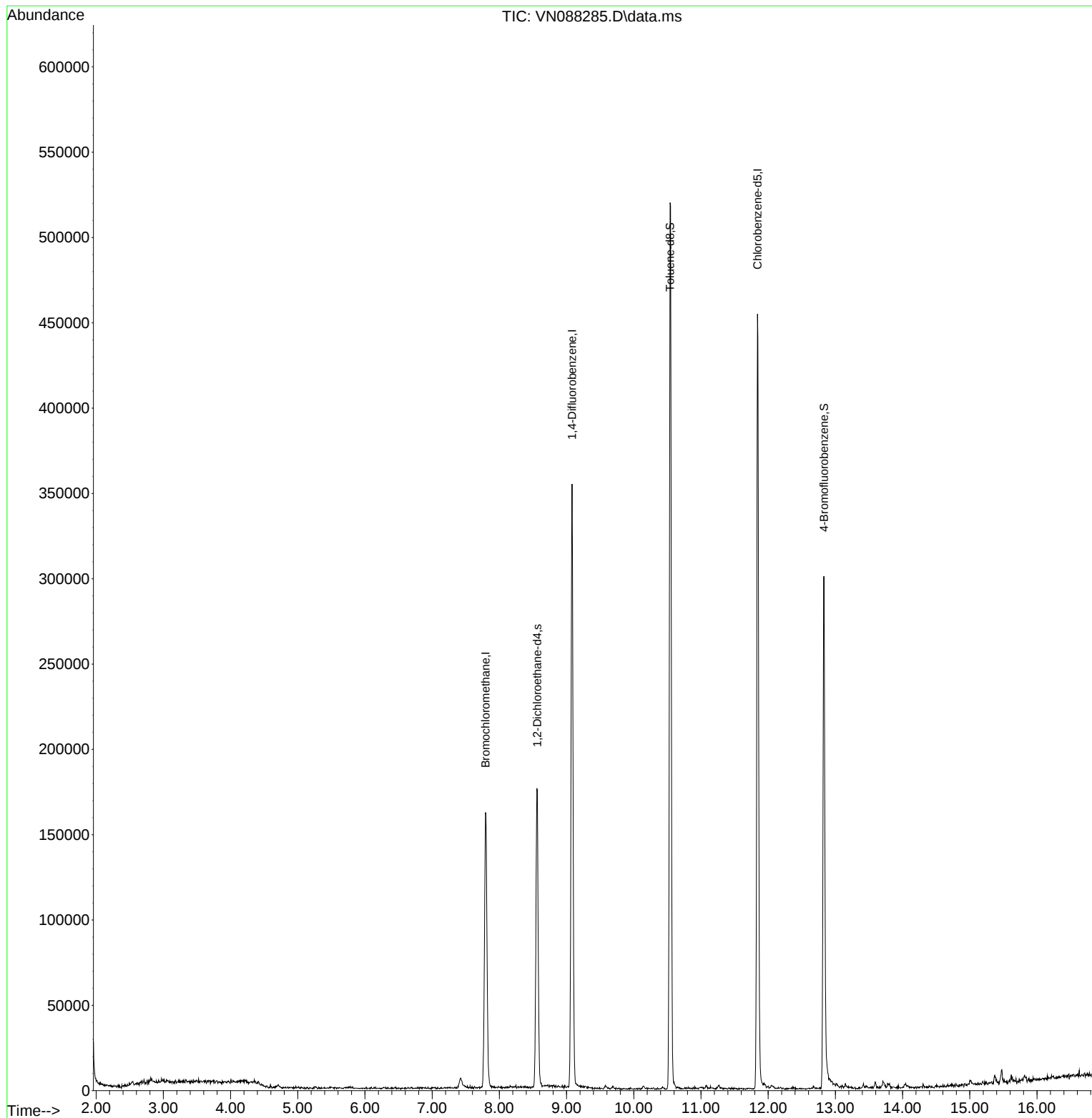
Target Compounds	Qvalue

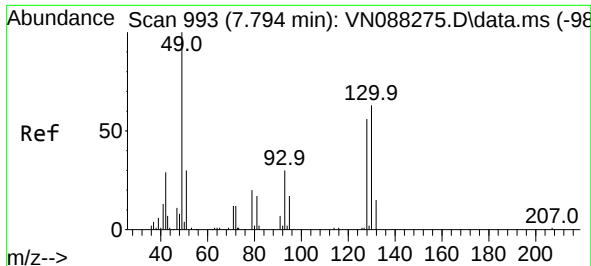
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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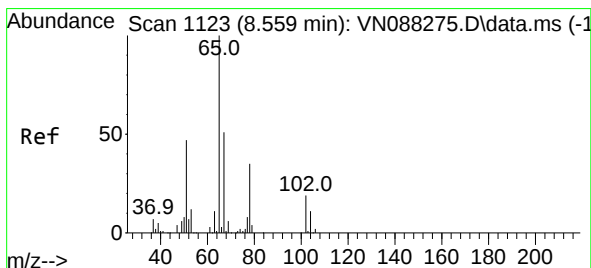
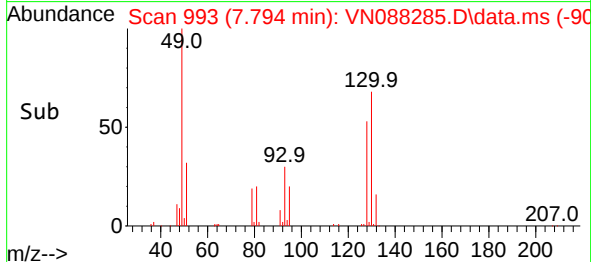
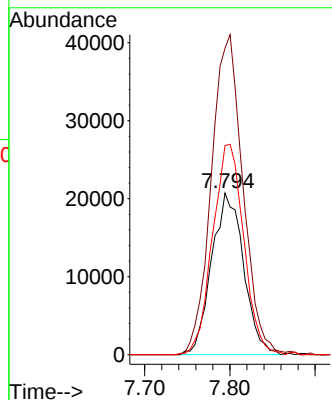
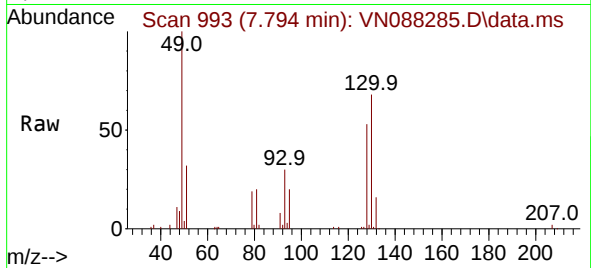




#1
Bromochloromethane
Concen: 30.000 ug/l
RT: 7.794 min Scan# 993
Delta R.T. 0.000 min
Lab File: VN088285.D
Acq: 14 Nov 2025 10:38

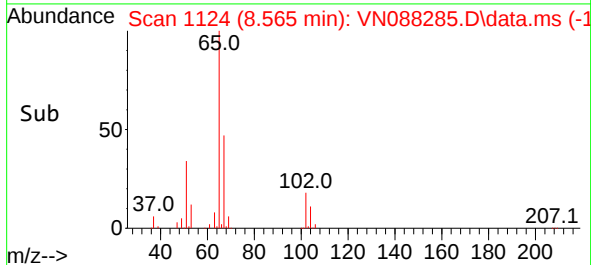
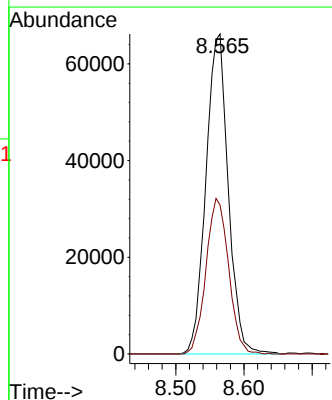
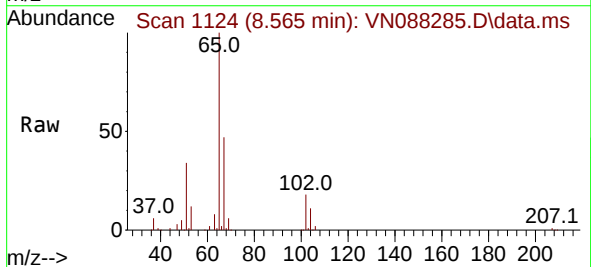
Instrument :
MSVOA_N
ClientSampleId :
VN1114WBL01

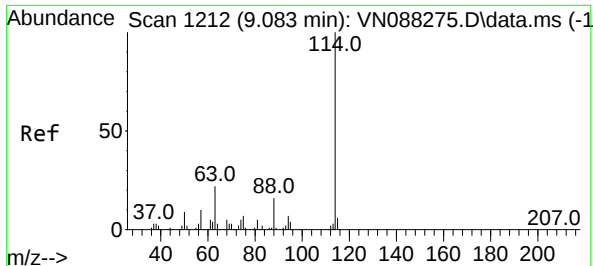
Tgt Ion:128 Resp: 53945
Ion Ratio Lower Upper
128 100
49 195.3 0.0 501.2
130 126.8 0.0 320.2



#27
1,2-Dichloroethane-d4
Concen: 30.619 ug/l
RT: 8.565 min Scan# 1124
Delta R.T. 0.006 min
Lab File: VN088285.D
Acq: 14 Nov 2025 10:38

Tgt Ion: 65 Resp: 150878
Ion Ratio Lower Upper
65 100
67 49.3 40.2 60.2





#28

1,4-Difluorobenzene

Concen: 30.000 ug/l

RT: 9.082 min Scan# 11

Delta R.T. -0.000 min

Lab File: VN088285.D

Acq: 14 Nov 2025 10:38

Instrument :

MSVOA_N

ClientSampleId :

VN1114WBL01

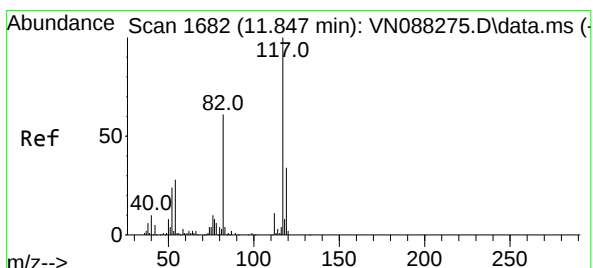
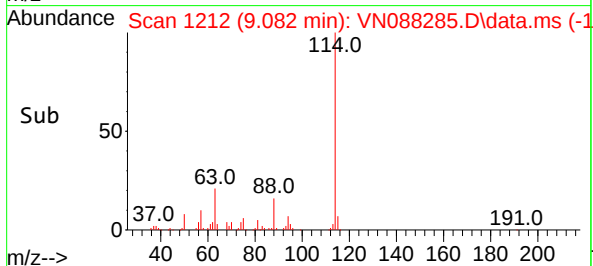
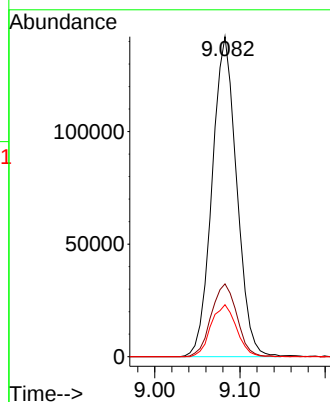
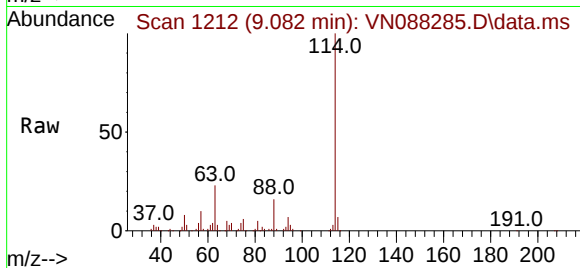
Tgt Ion:114 Resp: 285107

Ion Ratio Lower Upper

114 100

63 23.7 18.9 28.3

88 16.7 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: VN088285.D

Acq: 14 Nov 2025 10:38

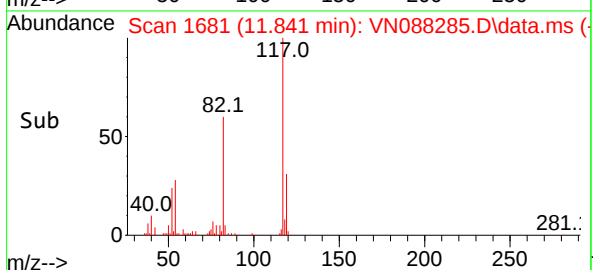
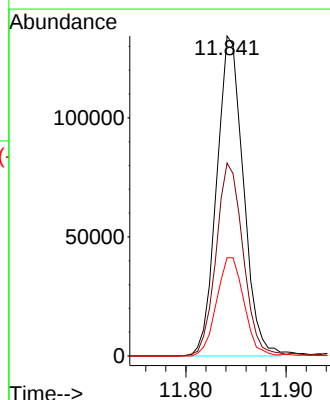
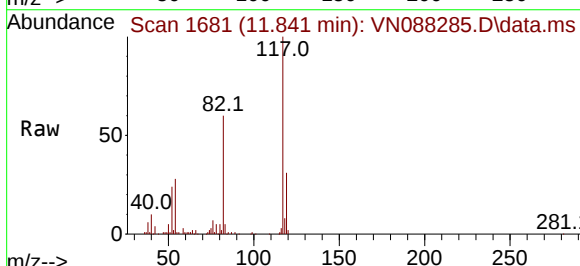
Tgt Ion:117 Resp: 248105

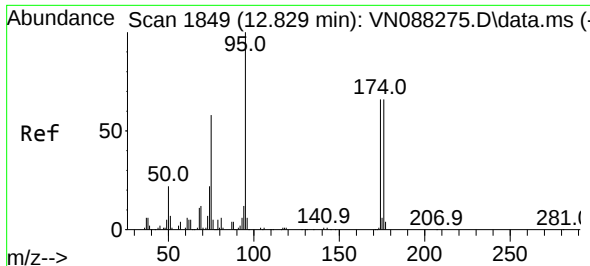
Ion Ratio Lower Upper

117 100

82 61.1 49.3 73.9

119 31.5 26.4 39.6

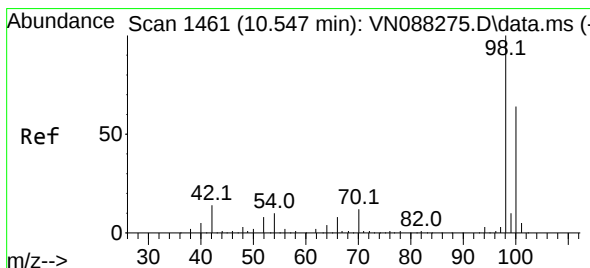
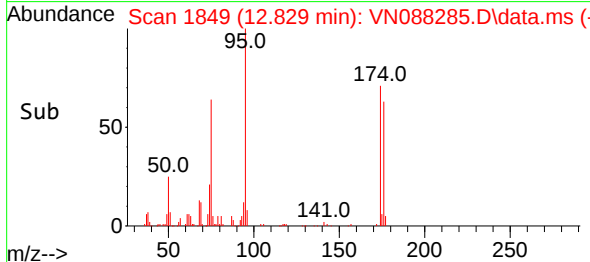
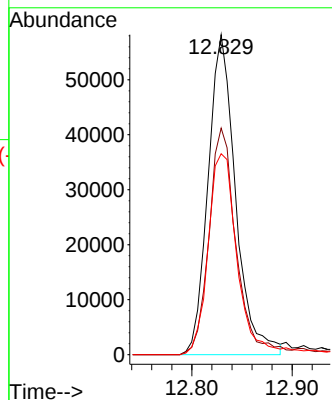
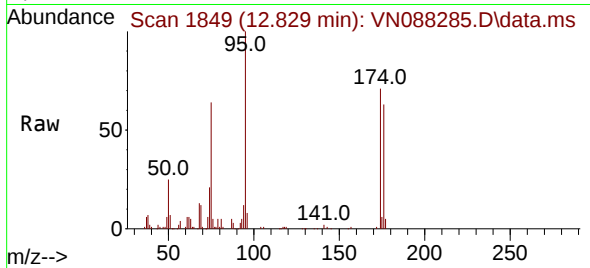




#60
4-Bromofluorobenzene
Concen: 26.466 ug/l
RT: 12.829 min Scan# 11
Delta R.T. -0.000 min
Lab File: VN088285.D
Acq: 14 Nov 2025 10:38

Instrument :
MSVOA_N
ClientSampleId :
VN1114WBL01

Tgt Ion: 95 Resp: 110999
Ion Ratio Lower Upper
95 100
174 67.8 54.5 81.7
176 65.2 53.8 80.6



#63
Toluene-d8
Concen: 29.549 ug/l
RT: 10.541 min Scan# 1460
Delta R.T. -0.006 min
Lab File: VN088285.D
Acq: 14 Nov 2025 10:38

Tgt Ion: 98 Resp: 347089
Ion Ratio Lower Upper
98 100
100 65.0 51.6 77.4

