

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN090425\
 Data File : VN087717.D
 Acq On : 04 Sep 2025 12:59
 Operator : JC\MD
 Sample : VN0904WBL01
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0904WBL01

Quant Time: Sep 05 02:19:59 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\624N080525W.M
 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
 QLast Update : Wed Aug 06 02:01:21 2025
 Response via : Initial Calibration

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

Internal Standards						
1) Bromochloromethane	7.794	128	37882	30.000	ug/l	0.00
28) 1,4-Difluorobenzene	9.082	114	207176	30.000	ug/l	0.00
57) Chlorobenzene-d5	11.847	117	183441	30.000	ug/l	0.00

System Monitoring Compounds						
27) 1,2-Dichloroethane-d4	8.559	65	106627	30.517	ug/l	0.00
Spiked Amount	30.000	Range	91 - 110	Recovery	=	101.733%
60) 4-Bromofluorobenzene	12.829	95	81770	25.902	ug/l	0.00
Spiked Amount	30.000	Range	63 - 112	Recovery	=	86.333%
63) Toluene-d8	10.547	98	253748	30.063	ug/l	0.00
Spiked Amount	30.000	Range	91 - 112	Recovery	=	100.200%

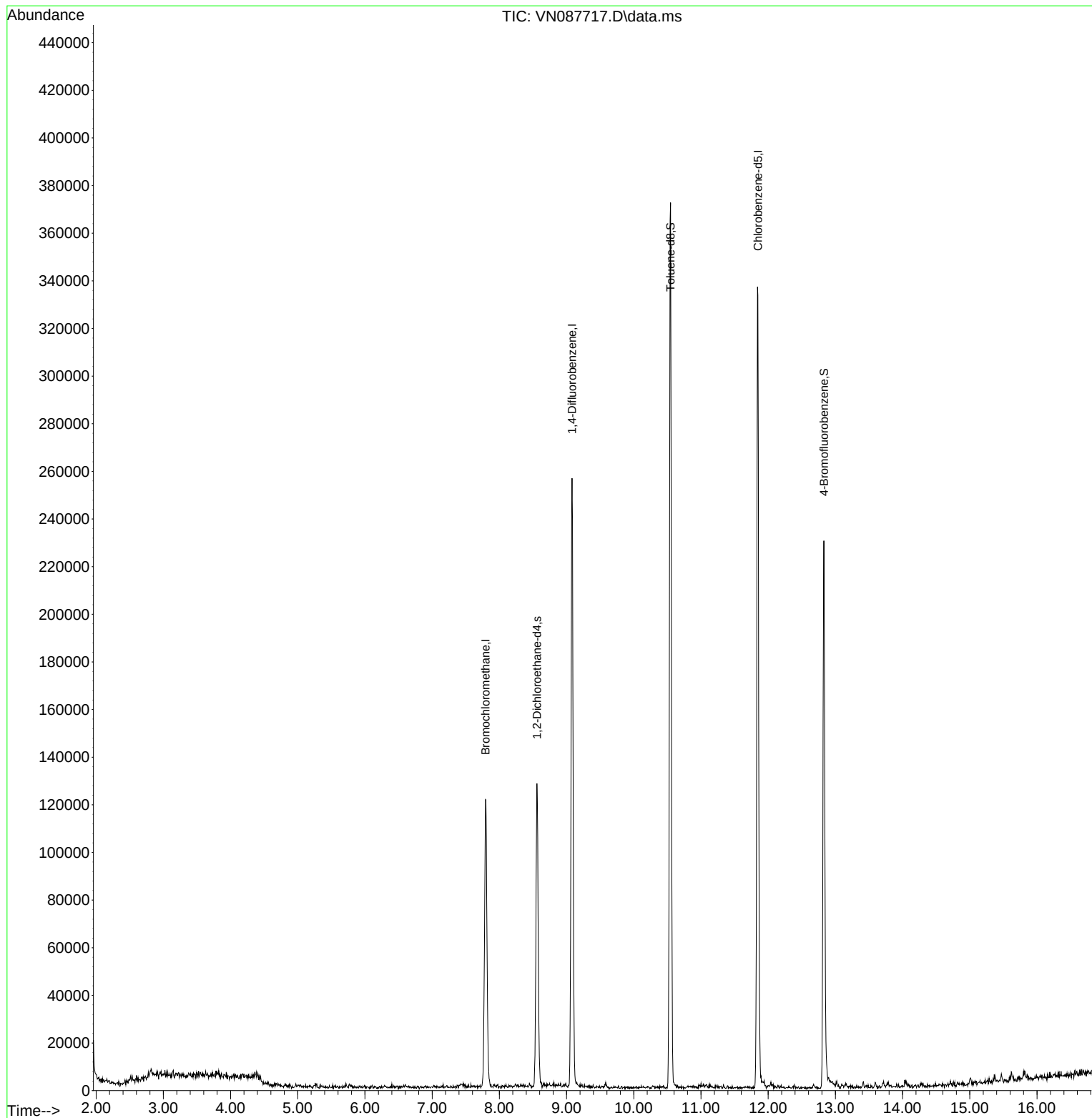
Target Compounds	Qvalue

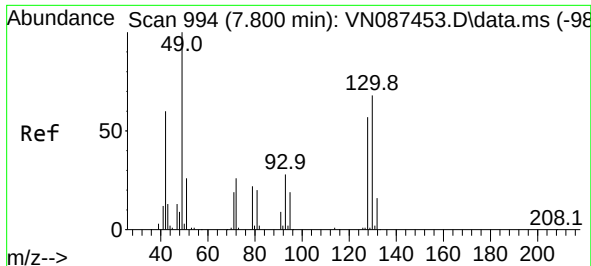
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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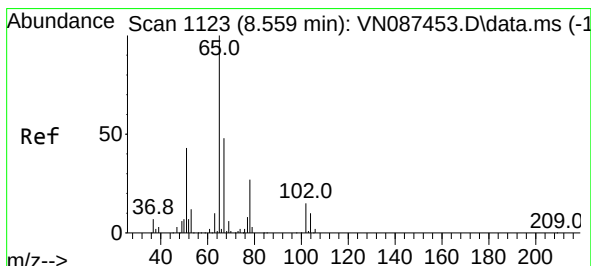
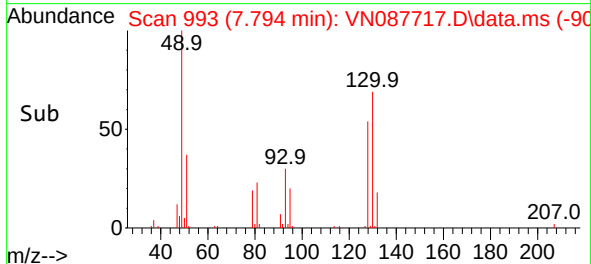
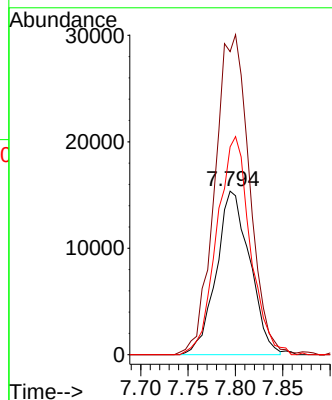
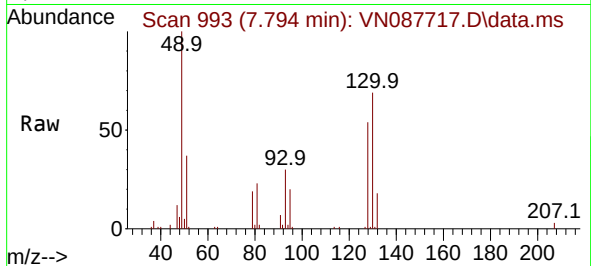




#1
Bromochloromethane
Concen: 30.000 ug/l
RT: 7.794 min Scan# 994
Delta R.T. -0.006 min
Lab File: VN087717.D
Acq: 04 Sep 2025 12:59

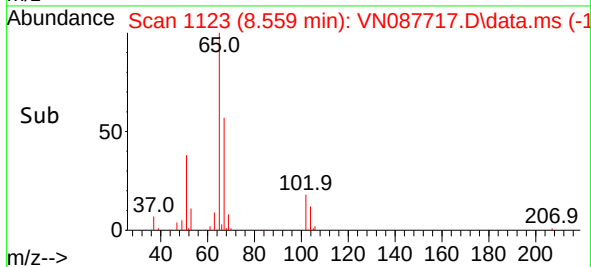
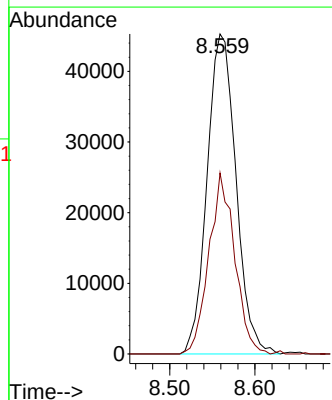
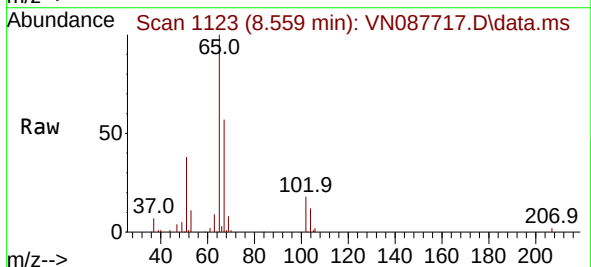
Instrument :
MSVOA_N
ClientSampleId :
VN0904WBL01

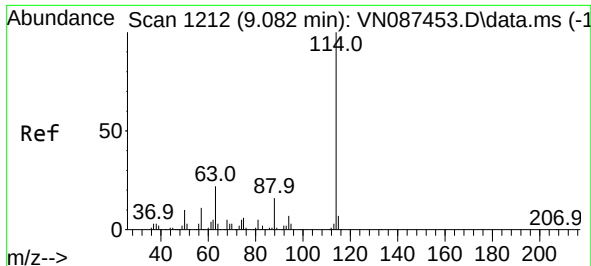
Tgt Ion	Ratio	Lower	Upper
128	100		
49	202.5	0.0	494.8
130	131.9	0.0	321.5



#27
1,2-Dichloroethane-d4
Concen: 30.517 ug/l
RT: 8.559 min Scan# 1123
Delta R.T. -0.000 min
Lab File: VN087717.D
Acq: 04 Sep 2025 12:59

Tgt Ion	Ratio	Lower	Upper
65	100		
67	50.5	40.8	61.2





#28

1,4-Difluorobenzene

Concen: 30.000 ug/l

RT: 9.082 min Scan# 11

Delta R.T. 0.000 min

Lab File: VN087717.D

Acq: 04 Sep 2025 12:59

Instrument :

MSVOA_N

ClientSampleId :

VN0904WBL01

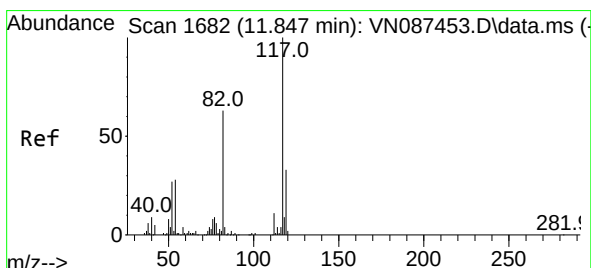
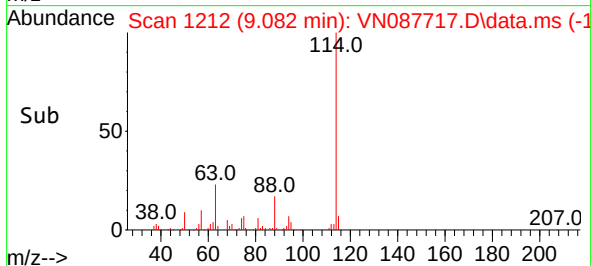
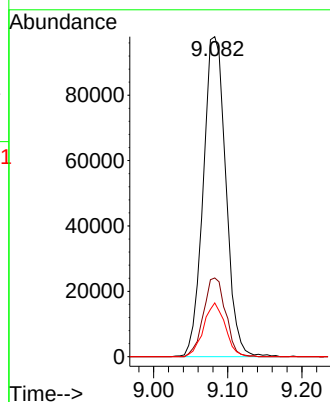
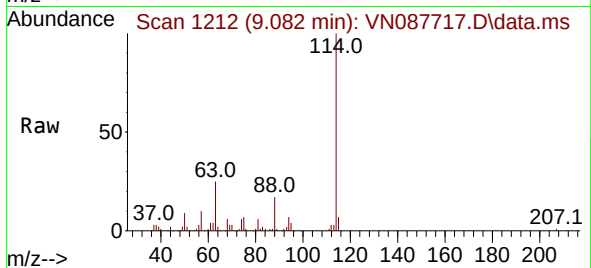
Tgt Ion:114 Resp: 207176

Ion Ratio Lower Upper

114 100

63 24.1 18.9 28.3

88 16.1 13.1 19.7



#57

Chlorobenzene-d5

Concen: 30.000 ug/l

RT: 11.847 min Scan# 1682

Delta R.T. -0.000 min

Lab File: VN087717.D

Acq: 04 Sep 2025 12:59

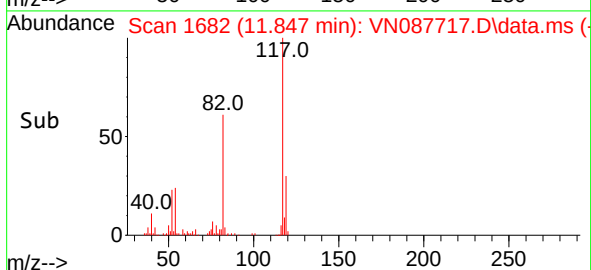
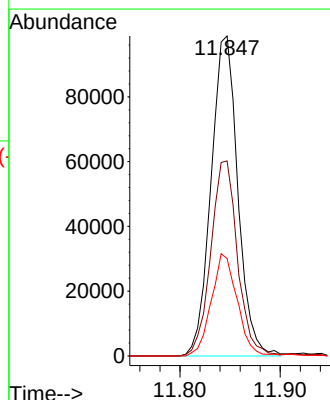
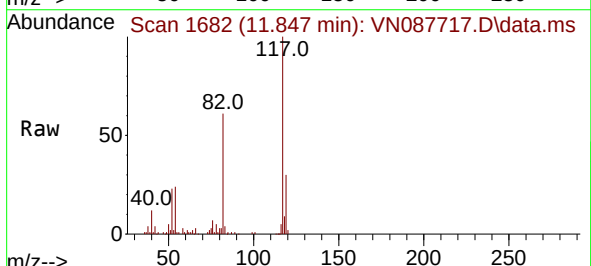
Tgt Ion:117 Resp: 183441

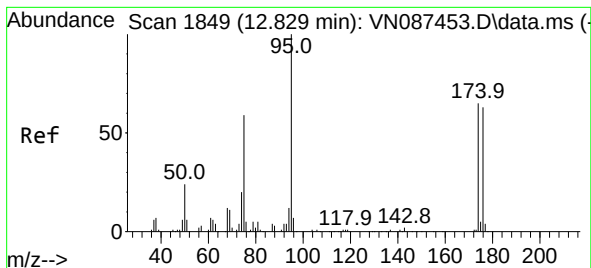
Ion Ratio Lower Upper

117 100

82 60.8 49.2 73.8

119 30.7 25.7 38.5

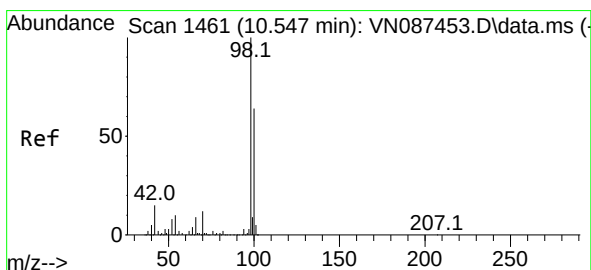
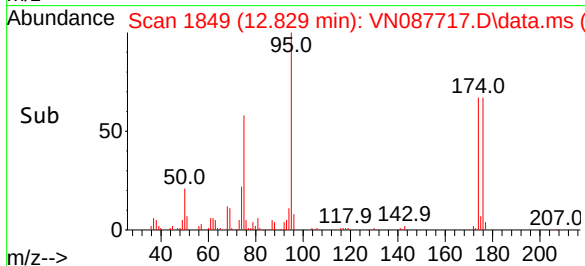
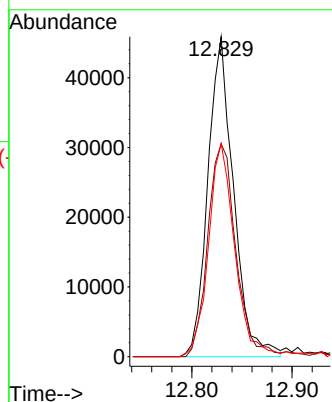
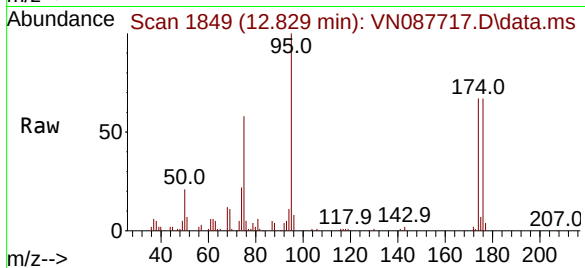




#60
4-Bromofluorobenzene
Concen: 25.902 ug/l
RT: 12.829 min Scan# 1849
Delta R.T. 0.000 min
Lab File: VN087717.D
Acq: 04 Sep 2025 12:59

Instrument :
MSVOA_N
ClientSampleId :
VN0904WBL01

Tgt Ion: 95 Resp: 81770
Ion Ratio Lower Upper
95 100
174 71.4 52.3 78.5
176 67.9 49.8 74.8



#63
Toluene-d8
Concen: 30.063 ug/l
RT: 10.547 min Scan# 1461
Delta R.T. -0.000 min
Lab File: VN087717.D
Acq: 04 Sep 2025 12:59

Tgt Ion: 98 Resp: 253748
Ion Ratio Lower Upper
98 100
100 63.3 50.5 75.7

