

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_N\Data\VN091225\  
 Data File : VN087815.D  
 Acq On : 12 Sep 2025 12:19  
 Operator : JC\MD  
 Sample : Q3078-02  
 Misc : 5.0mL/MSVOA\_N/WATER  
 ALS Vial : 1 Sample Multiplier: 1

Instrument :  
 MSVOA\_N  
 ClientSampleId :  
 250910064-01-TRIP-BLANK

Quant Time: Sep 12 22:52:08 2025  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_N\methods\624N090425W.M  
 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS  
 QLast Update : Fri Sep 05 03:29:53 2025  
 Response via : Initial Calibration

| Compound                    | R.T.   | QIon  | Response | Conc     | Units | Dev(Min) |
|-----------------------------|--------|-------|----------|----------|-------|----------|
| -----                       |        |       |          |          |       |          |
| Internal Standards          |        |       |          |          |       |          |
| 1) Bromochloromethane       | 7.800  | 128   | 47676    | 30.000   | ug/l  | 0.00     |
| 28) 1,4-Difluorobenzene     | 9.083  | 114   | 237316   | 30.000   | ug/l  | 0.00     |
| 57) Chlorobenzene-d5        | 11.847 | 117   | 222106   | 30.000   | ug/l  | 0.00     |
| System Monitoring Compounds |        |       |          |          |       |          |
| 27) 1,2-Dichloroethane-d4   | 8.559  | 65    | 119123   | 29.250   | ug/l  | 0.00     |
| Spiked Amount               | 30.000 | Range | 91 - 110 | Recovery | =     | 97.500%  |
| 60) 4-Bromofluorobenzene    | 12.829 | 95    | 88528    | 24.789   | ug/l  | 0.00     |
| Spiked Amount               | 30.000 | Range | 63 - 112 | Recovery | =     | 82.633%  |
| 63) Toluene-d8              | 10.547 | 98    | 291437   | 28.215   | ug/l  | 0.00     |
| Spiked Amount               | 30.000 | Range | 91 - 112 | Recovery | =     | 94.067%  |

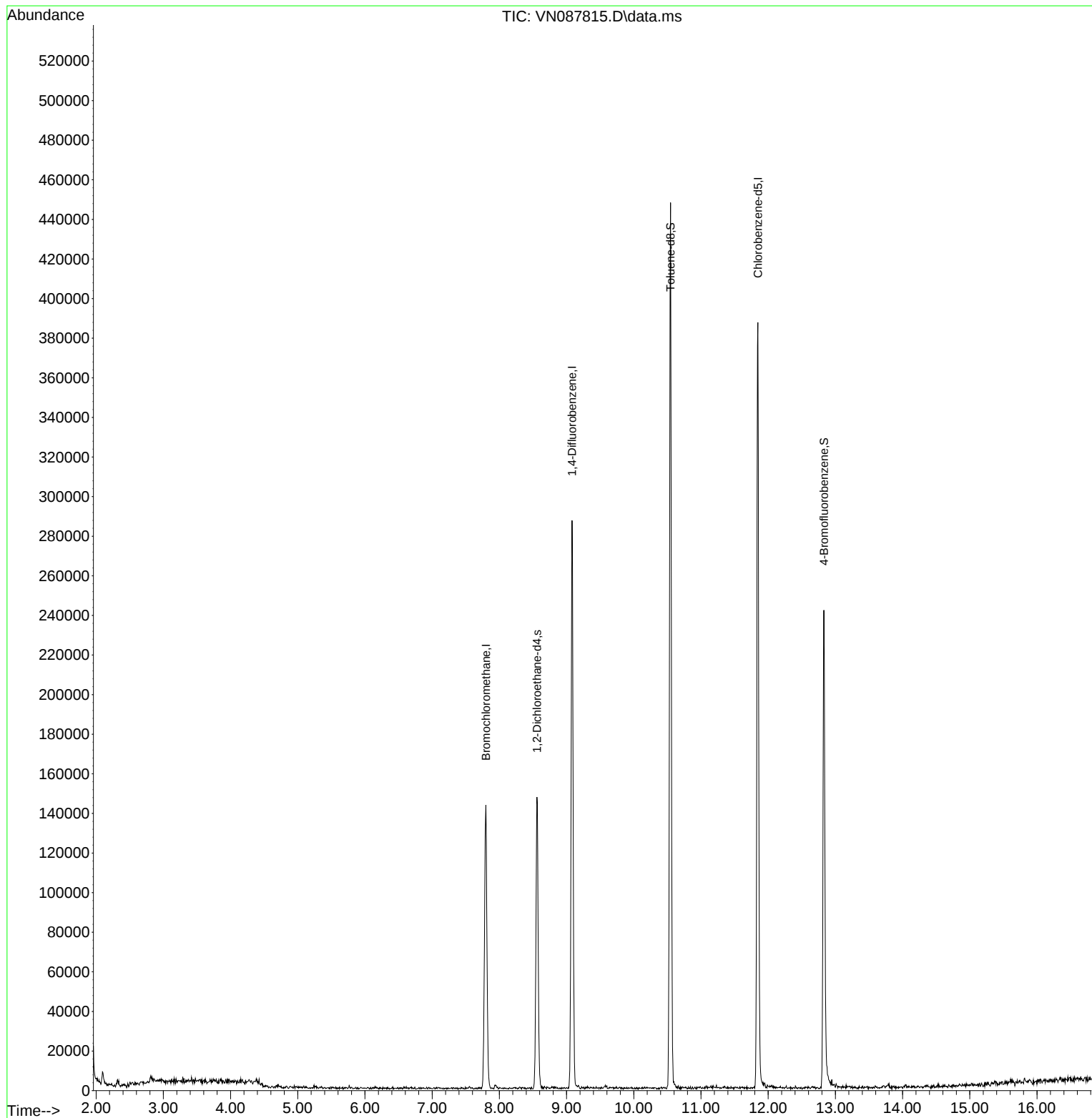
| Target Compounds | Qvalue |
|------------------|--------|
| -----            |        |

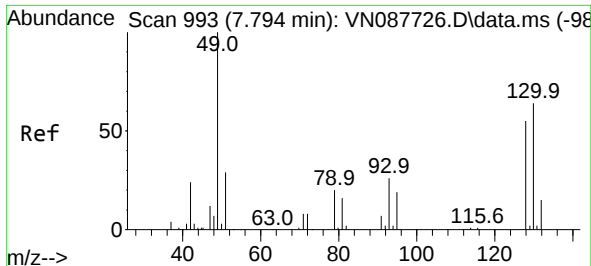
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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250910064-01-TRIP-BLANK

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Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_N\methods\624N090425W.M  
Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS  
QLast Update : Fri Sep 05 03:29:53 2025  
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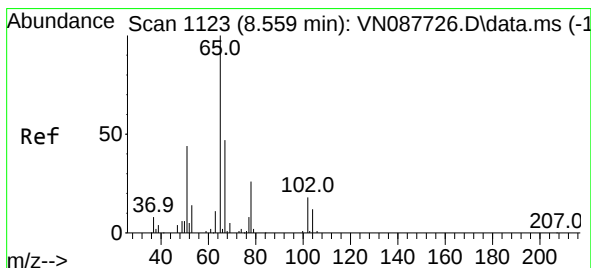
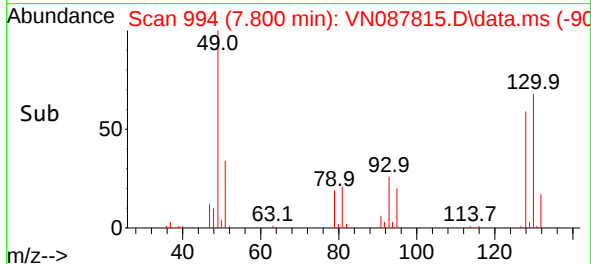
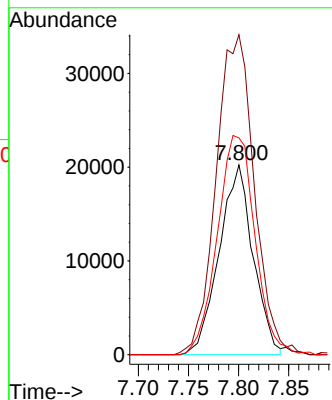
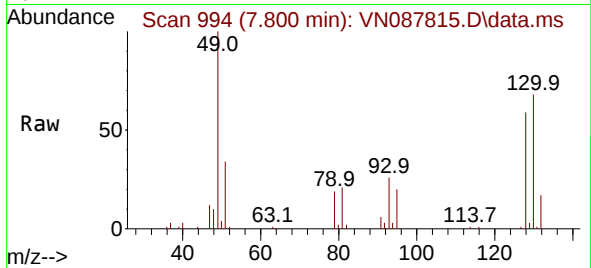




#1  
Bromochloromethane  
Concen: 30.000 ug/l  
RT: 7.800 min Scan# 993  
Delta R.T. 0.006 min  
Lab File: VN087815.D  
Acq: 12 Sep 2025 12:19

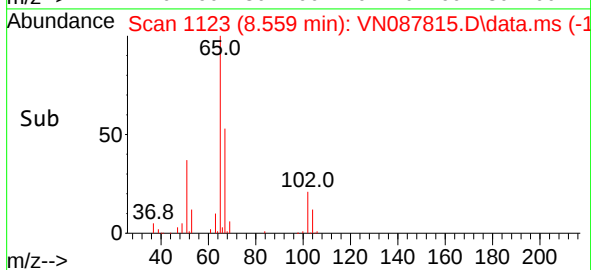
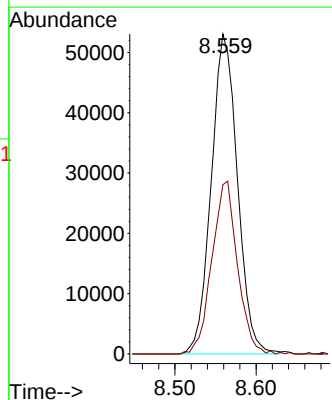
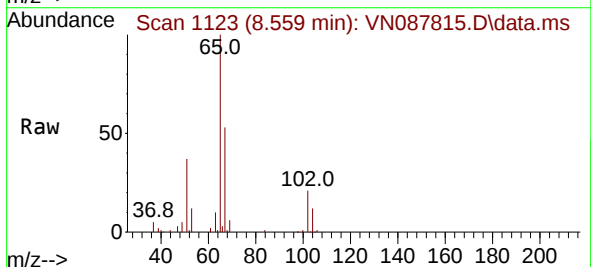
Instrument :  
MSVOA\_N  
ClientSampleId :  
250910064-01-TRIP-BLANK

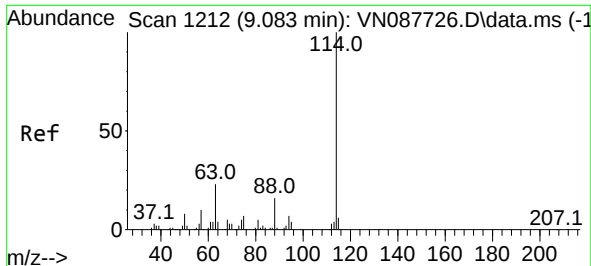
Tgt Ion:128 Resp: 47676  
Ion Ratio Lower Upper  
128 100  
49 189.6 0.0 464.3  
130 128.5 0.0 300.5



#27  
1,2-Dichloroethane-d4  
Concen: 29.250 ug/l  
RT: 8.559 min Scan# 1123  
Delta R.T. -0.000 min  
Lab File: VN087815.D  
Acq: 12 Sep 2025 12:19

Tgt Ion: 65 Resp: 119123  
Ion Ratio Lower Upper  
65 100  
67 52.6 39.6 59.4





#28

1,4-Difluorobenzene

Concen: 30.000 ug/l

RT: 9.083 min Scan# 11

Delta R.T. -0.000 min

Lab File: VN087815.D

Acq: 12 Sep 2025 12:19

Instrument :

MSVOA\_N

ClientSampleId :

250910064-01-TRIP-BLANK

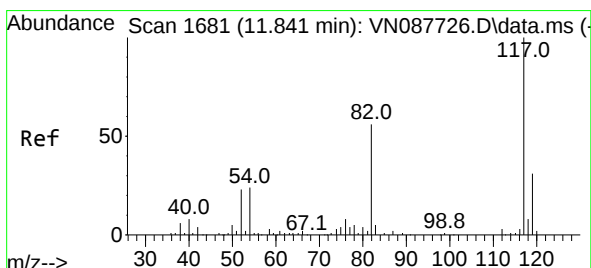
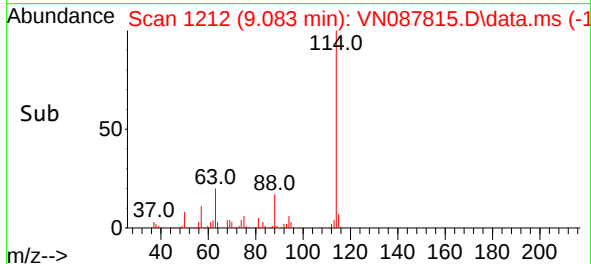
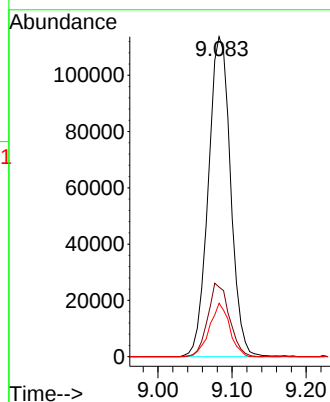
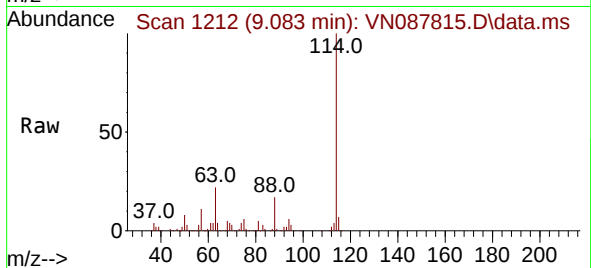
Tgt Ion:114 Resp: 237316

Ion Ratio Lower Upper

114 100

63 22.2 18.3 27.5

88 15.1 12.4 18.6



#57

Chlorobenzene-d5

Concen: 30.000 ug/l

RT: 11.847 min Scan# 1682

Delta R.T. 0.006 min

Lab File: VN087815.D

Acq: 12 Sep 2025 12:19

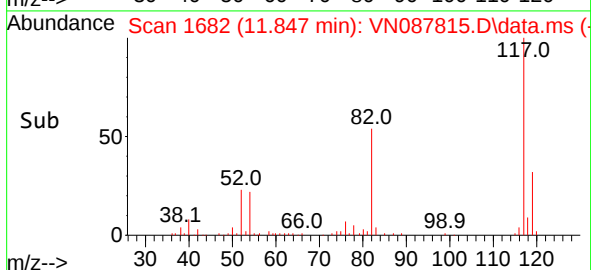
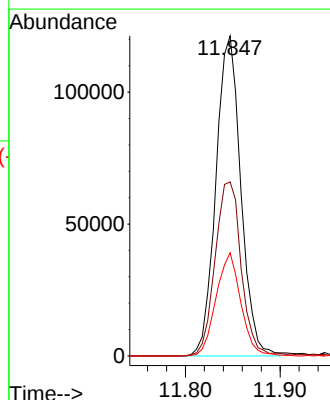
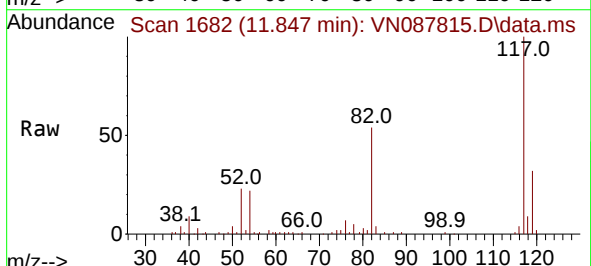
Tgt Ion:117 Resp: 222106

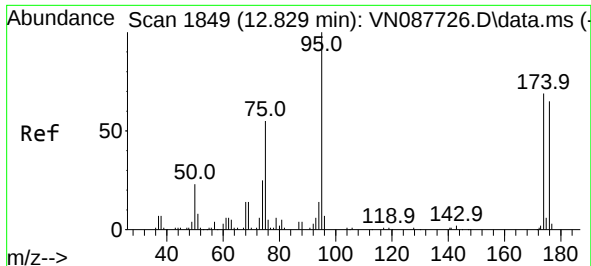
Ion Ratio Lower Upper

117 100

82 56.6 45.9 68.9

119 31.9 25.3 37.9

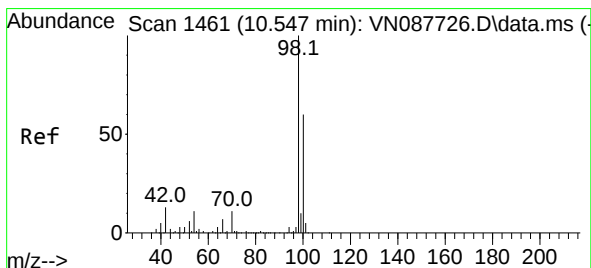
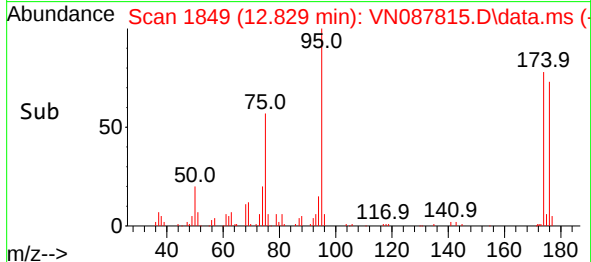
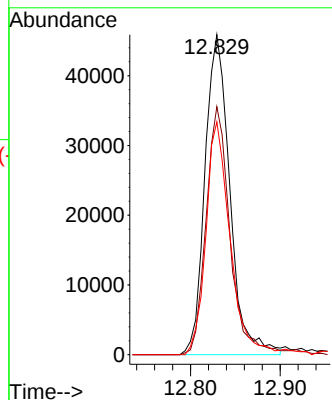
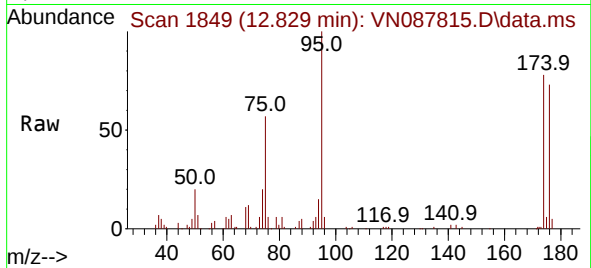




#60  
4-Bromofluorobenzene  
Concen: 24.789 ug/l  
RT: 12.829 min Scan# 11  
Delta R.T. -0.000 min  
Lab File: VN087815.D  
Acq: 12 Sep 2025 12:19

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Tgt Ion: 95 Resp: 88528  
Ion Ratio Lower Upper  
95 100  
174 74.2 55.4 83.0  
176 70.0 51.5 77.3



#63  
Toluene-d8  
Concen: 28.215 ug/l  
RT: 10.547 min Scan# 1461  
Delta R.T. -0.000 min  
Lab File: VN087815.D  
Acq: 12 Sep 2025 12:19

Tgt Ion: 98 Resp: 291437  
Ion Ratio Lower Upper  
98 100  
100 66.0 50.6 76.0

