

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_N\Data\VN090425\  
 Data File : VN087720.D  
 Acq On : 04 Sep 2025 14:16  
 Operator : JC\MD  
 Sample : Q3017-04  
 Misc : 5.0mL/MSVOA\_N/WATER  
 ALS Vial : 8 Sample Multiplier: 1

Instrument :  
 MSVOA\_N  
 ClientSampleId :  
 TT-078-IDWGW-20250903

Quant Time: Sep 05 02:20:59 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   | 7.800  | 128  | 36172    | 30.000 | ug/l  | 0.00     |
| 28) 1,4-Difluorobenzene | 9.082  | 114  | 190299   | 30.000 | ug/l  | 0.00     |
| 57) Chlorobenzene-d5    | 11.847 | 117  | 168068   | 30.000 | ug/l  | 0.00     |

|                             |        |       |          |          |      |         |
|-----------------------------|--------|-------|----------|----------|------|---------|
| System Monitoring Compounds |        |       |          |          |      |         |
| 27) 1,2-Dichloroethane-d4   | 8.559  | 65    | 97530    | 29.233   | ug/l | 0.00    |
| Spiked Amount               | 30.000 | Range | 91 - 110 | Recovery | =    | 97.433% |
| 60) 4-Bromofluorobenzene    | 12.829 | 95    | 73817    | 25.522   | ug/l | 0.00    |
| Spiked Amount               | 30.000 | Range | 63 - 112 | Recovery | =    | 85.067% |
| 63) Toluene-d8              | 10.547 | 98    | 227103   | 29.367   | ug/l | 0.00    |
| Spiked Amount               | 30.000 | Range | 91 - 112 | Recovery | =    | 97.900% |

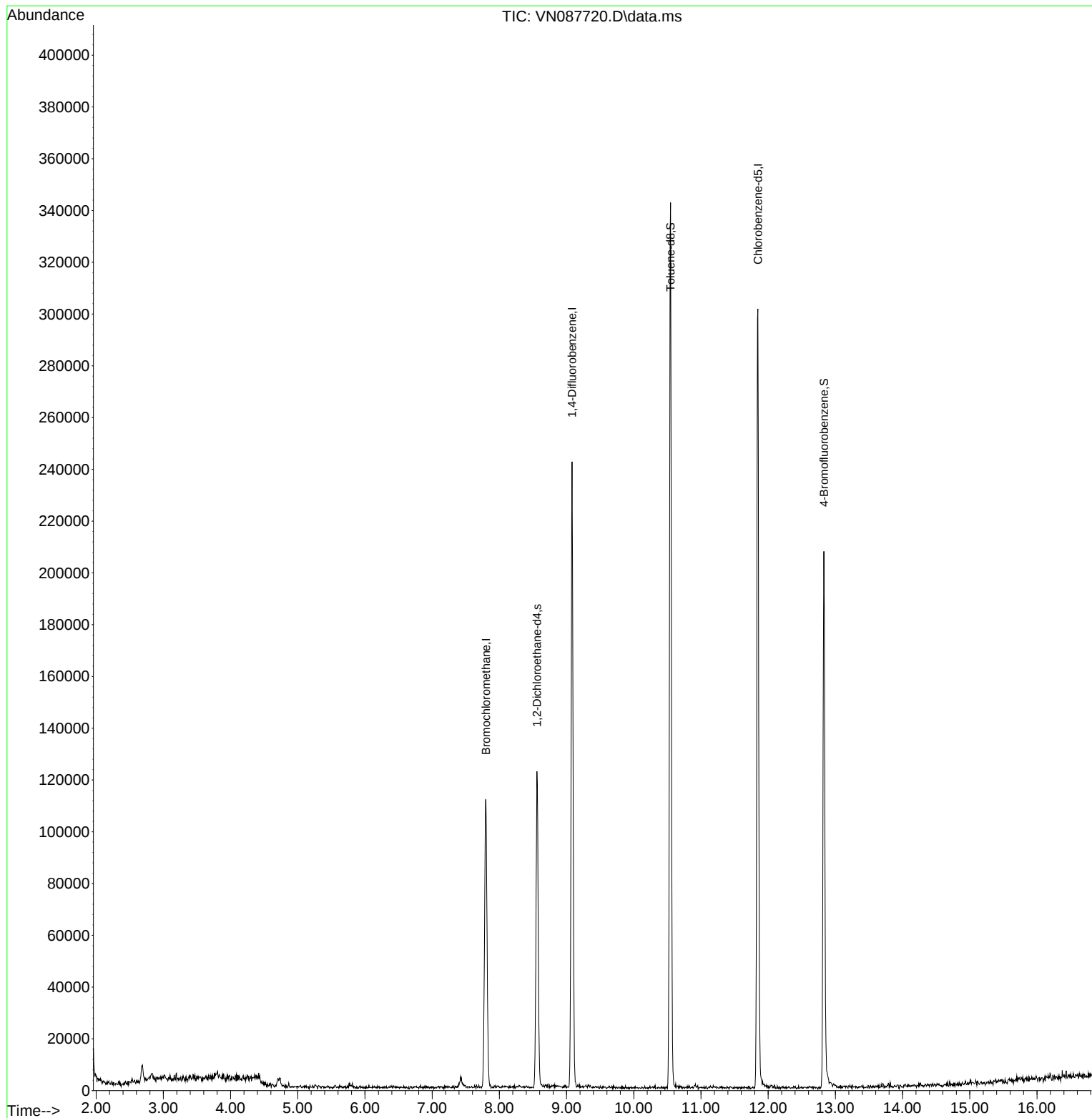
| Target Compounds | Qvalue |
|------------------|--------|
| -----            |        |

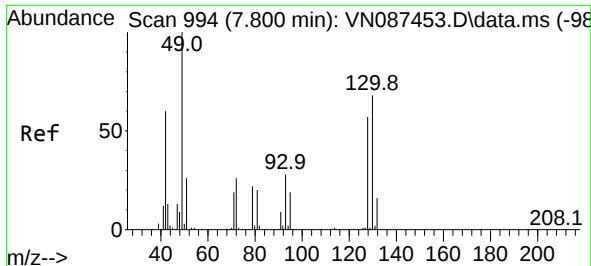
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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QLast Update : Wed Aug 06 02:01:21 2025  
Response via : Initial Calibration

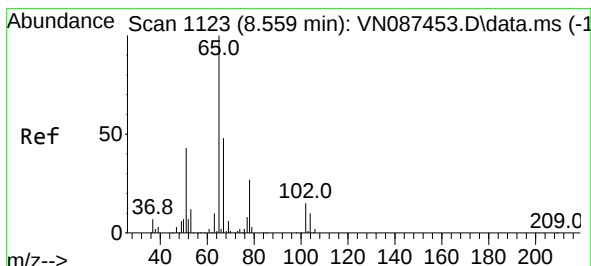
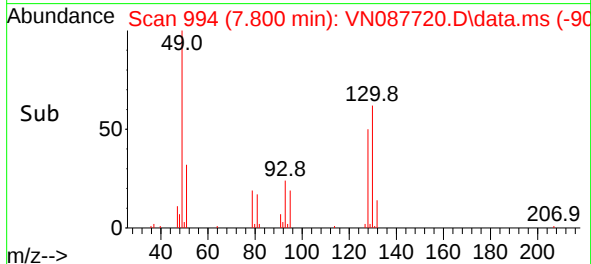
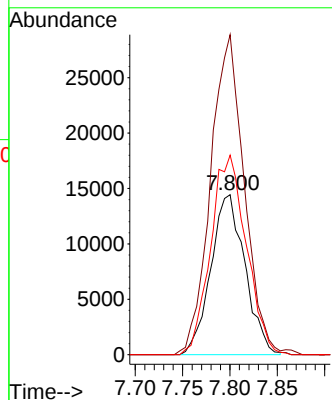
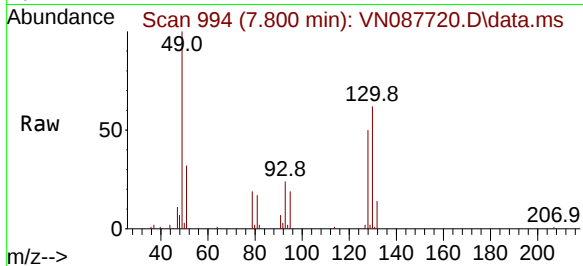




#1  
Bromochloromethane  
Concen: 30.000 ug/l  
RT: 7.800 min Scan# 994  
Delta R.T. 0.000 min  
Lab File: VN087720.D  
Acq: 04 Sep 2025 14:16

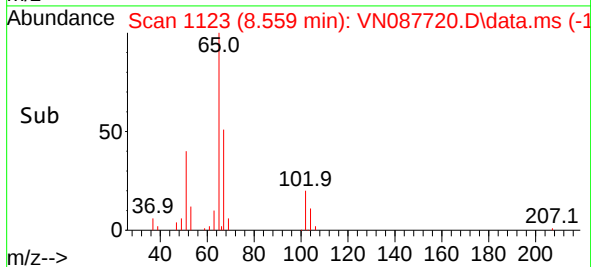
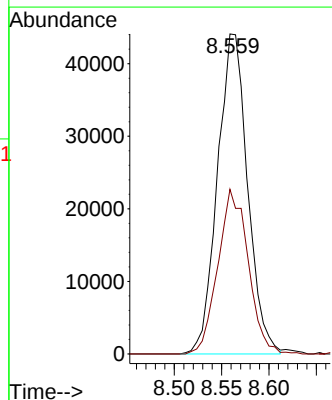
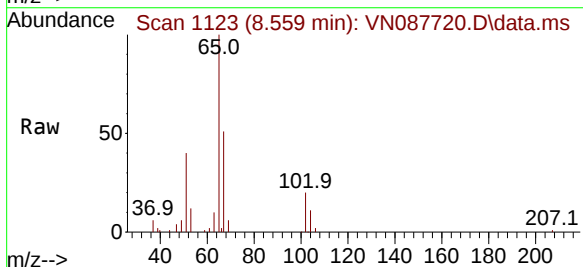
Instrument :  
MSVOA\_N  
ClientSampleId :  
TT-078-IDWGW-20250903

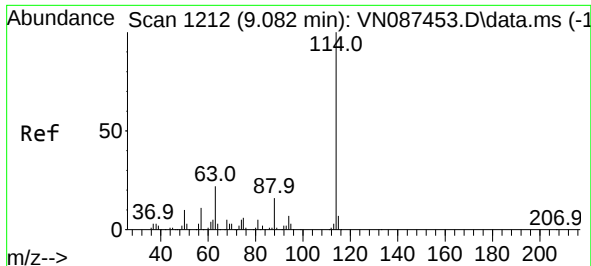
Tgt Ion:128 Resp: 36172  
Ion Ratio Lower Upper  
128 100  
49 196.7 0.0 494.8  
130 130.3 0.0 321.5



#27  
1,2-Dichloroethane-d4  
Concen: 29.233 ug/l  
RT: 8.559 min Scan# 1123  
Delta R.T. -0.000 min  
Lab File: VN087720.D  
Acq: 04 Sep 2025 14:16

Tgt Ion: 65 Resp: 97530  
Ion Ratio Lower Upper  
65 100  
67 51.7 40.8 61.2





#28

1,4-Difluorobenzene

Concen: 30.000 ug/l

RT: 9.082 min Scan# 1

Delta R.T. -0.000 min

Lab File: VN087720.D

Acq: 04 Sep 2025 14:16

Instrument :

MSVOA\_N

ClientSampleId :

TT-078-IDWGW-20250903

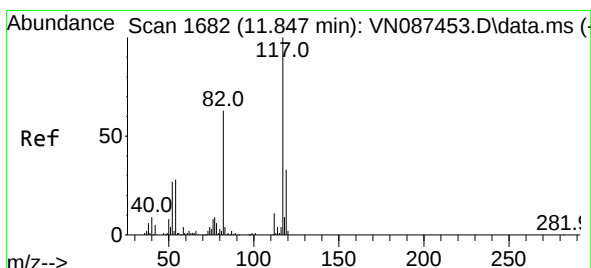
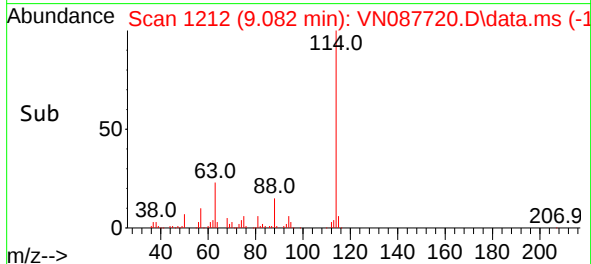
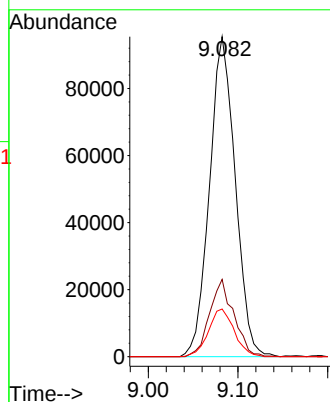
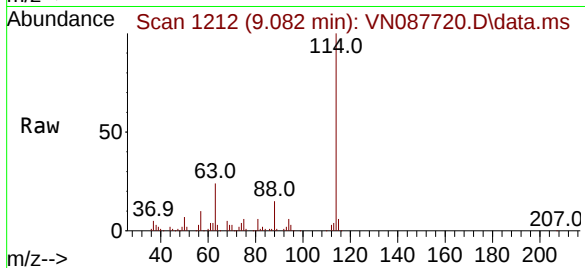
Tgt Ion:114 Resp: 190299

Ion Ratio Lower Upper

114 100

63 22.7 18.9 28.3

88 14.9 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: VN087720.D

Acq: 04 Sep 2025 14:16

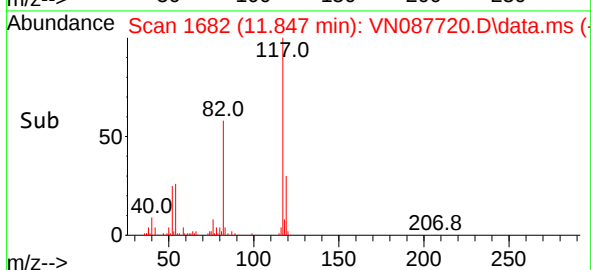
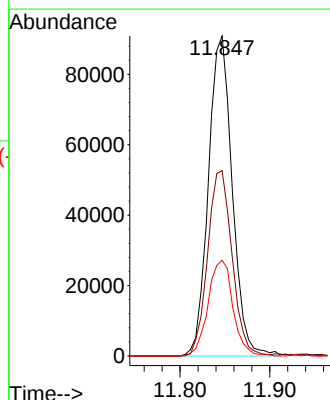
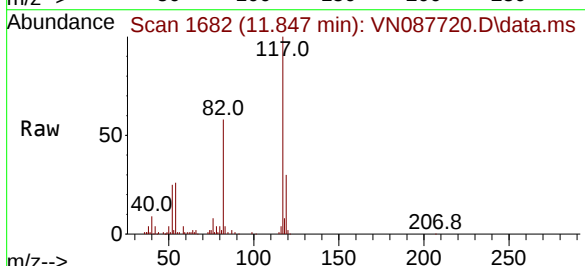
Tgt Ion:117 Resp: 168068

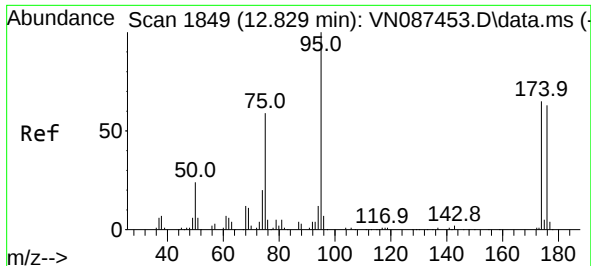
Ion Ratio Lower Upper

117 100

82 59.3 49.2 73.8

119 30.9 25.7 38.5

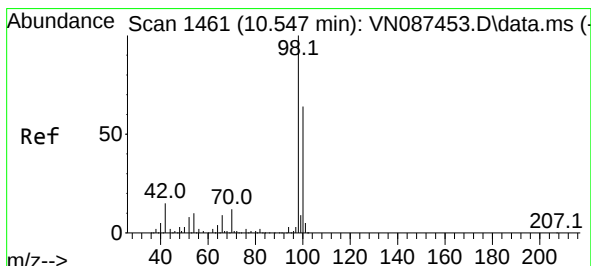
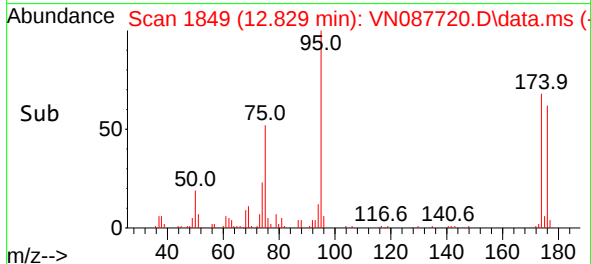
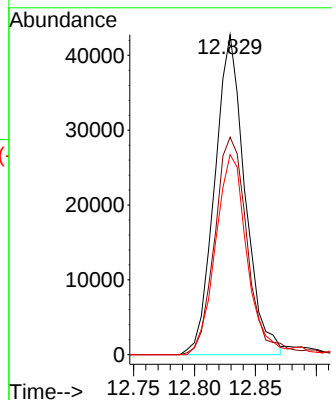
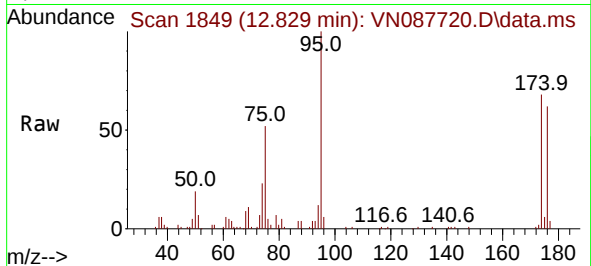




#60  
4-Bromofluorobenzene  
Concen: 25.522 ug/l  
RT: 12.829 min Scan# 1849  
Delta R.T. -0.000 min  
Lab File: VN087720.D  
Acq: 04 Sep 2025 14:16

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Tgt Ion: 95 Resp: 73817  
Ion Ratio Lower Upper  
95 100  
174 71.3 52.3 78.5  
176 65.0 49.8 74.8



#63  
Toluene-d8  
Concen: 29.367 ug/l  
RT: 10.547 min Scan# 1461  
Delta R.T. -0.000 min  
Lab File: VN087720.D  
Acq: 04 Sep 2025 14:16

Tgt Ion: 98 Resp: 227103  
Ion Ratio Lower Upper  
98 100  
100 63.4 50.5 75.7

