

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_N\Data\VN091225\  
 Data File : VN087814.D  
 Acq On : 12 Sep 2025 11:40  
 Operator : JC\MD  
 Sample : VN0912WBL01  
 Misc : 5.0mL/MSVOA\_N/WATER  
 ALS Vial : 1 Sample Multiplier: 1

Instrument :  
 MSVOA\_N  
 ClientSampleId :  
 VN0912WBL01

Quant Time: Sep 12 22:51:49 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   | 7.795  | 128  | 57083    | 30.000 | ug/l  | 0.00     |
| 28) 1,4-Difluorobenzene | 9.083  | 114  | 279905   | 30.000 | ug/l  | 0.00     |
| 57) Chlorobenzene-d5    | 11.841 | 117  | 254454   | 30.000 | ug/l  | 0.00     |

|                             |        |       |          |          |      |         |
|-----------------------------|--------|-------|----------|----------|------|---------|
| System Monitoring Compounds |        |       |          |          |      |         |
| 27) 1,2-Dichloroethane-d4   | 8.559  | 65    | 142590   | 29.242   | ug/l | 0.00    |
| Spiked Amount               | 30.000 | Range | 91 - 110 | Recovery | =    | 97.467% |
| 60) 4-Bromofluorobenzene    | 12.830 | 95    | 105772   | 25.852   | ug/l | 0.00    |
| Spiked Amount               | 30.000 | Range | 63 - 112 | Recovery | =    | 86.167% |
| 63) Toluene-d8              | 10.547 | 98    | 349272   | 29.516   | ug/l | 0.00    |
| Spiked Amount               | 30.000 | Range | 91 - 112 | Recovery | =    | 98.400% |

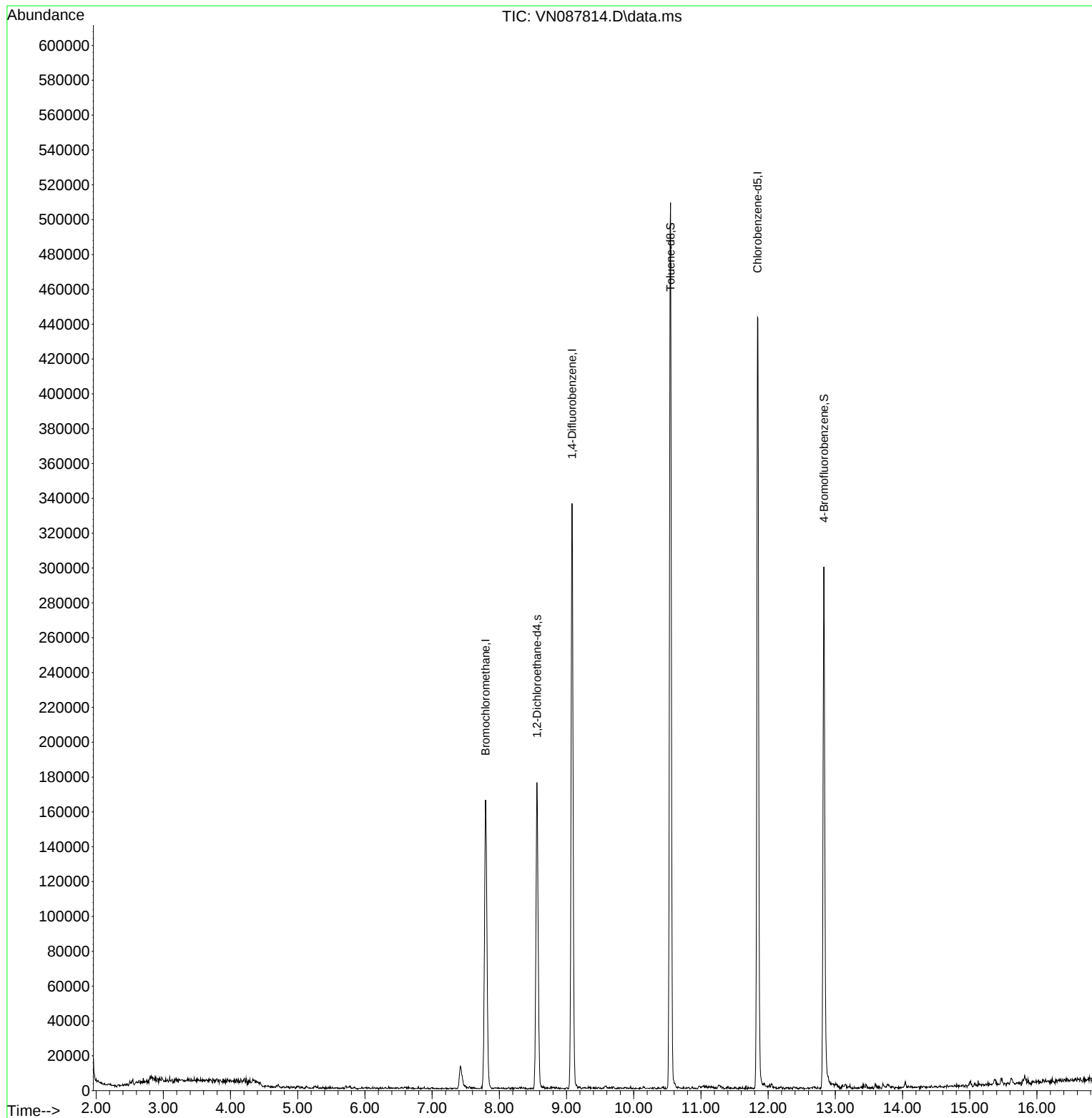
| Target Compounds | Qvalue |
|------------------|--------|
| -----            |        |

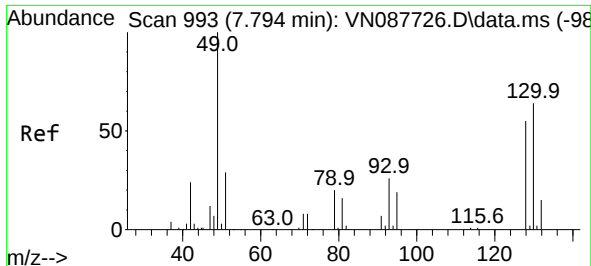
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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MSVOA\_N  
ClientSampleId :  
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Quant Time: Sep 12 22:51:49 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

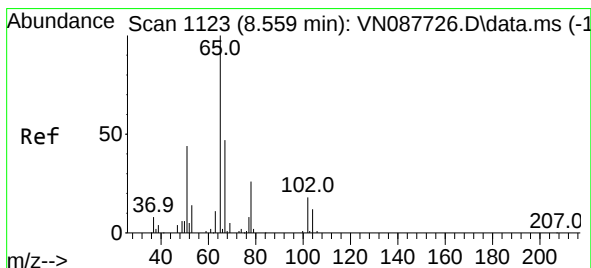
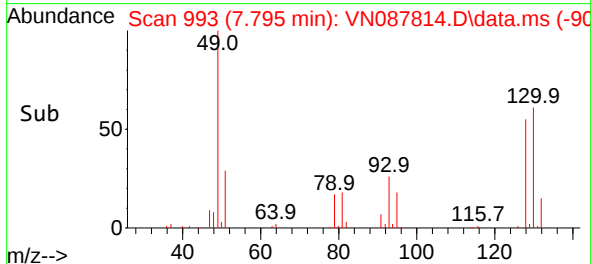
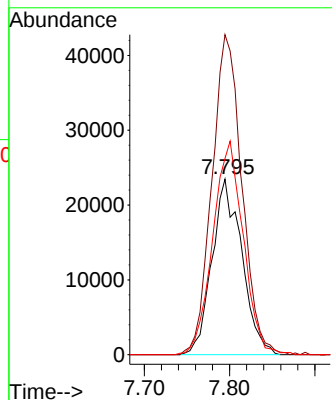
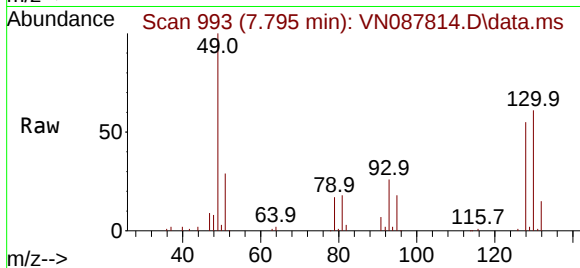




#1  
Bromochloromethane  
Concen: 30.000 ug/l  
RT: 7.795 min Scan# 993  
Delta R.T. 0.001 min  
Lab File: VN087814.D  
Acq: 12 Sep 2025 11:40

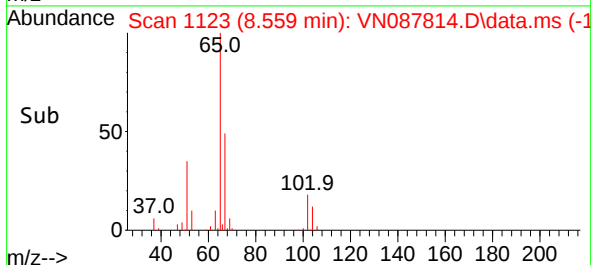
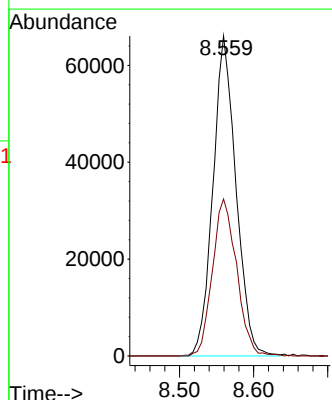
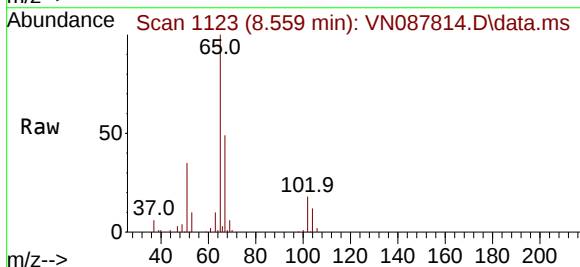
Instrument :  
MSVOA\_N  
ClientSampleId :  
VN0912WBL01

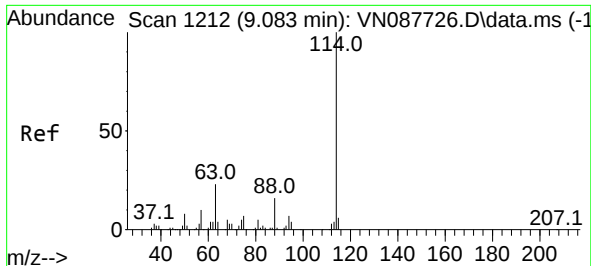
Tgt Ion:128 Resp: 57083  
Ion Ratio Lower Upper  
128 100  
49 182.6 0.0 464.3  
130 123.5 0.0 300.5



#27  
1,2-Dichloroethane-d4  
Concen: 29.242 ug/l  
RT: 8.559 min Scan# 1123  
Delta R.T. 0.000 min  
Lab File: VN087814.D  
Acq: 12 Sep 2025 11:40

Tgt Ion: 65 Resp: 142590  
Ion Ratio Lower Upper  
65 100  
67 51.3 39.6 59.4

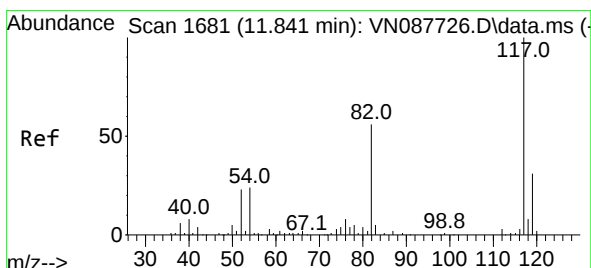
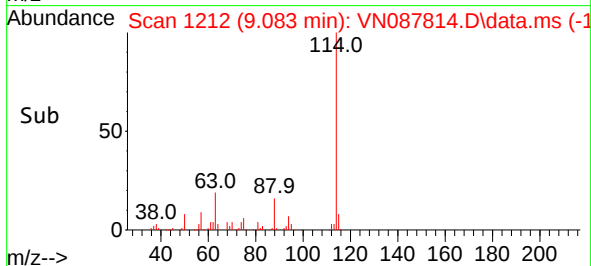
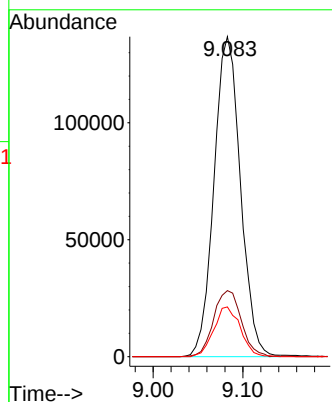
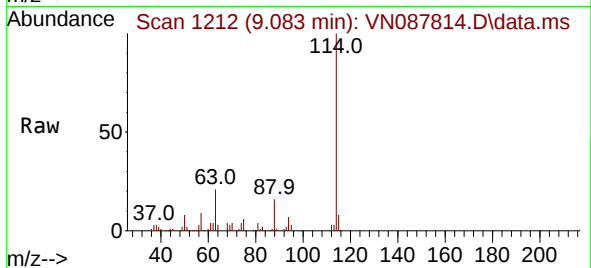




#28  
1,4-Difluorobenzene  
Concen: 30.000 ug/l  
RT: 9.083 min Scan# 11  
Delta R.T. 0.000 min  
Lab File: VN087814.D  
Acq: 12 Sep 2025 11:40

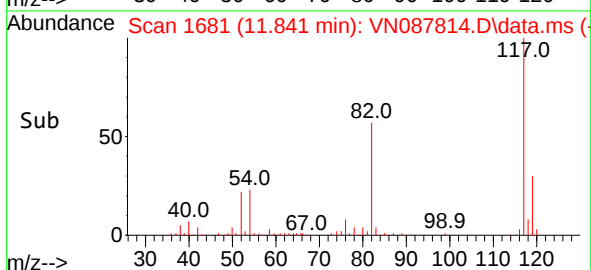
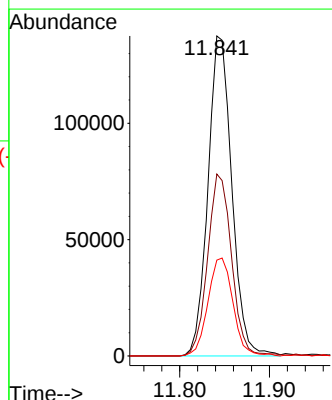
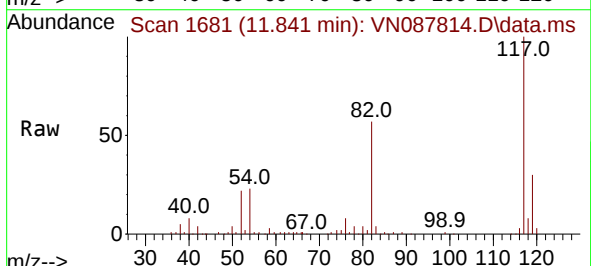
Instrument :  
MSVOA\_N  
ClientSampleId :  
VN0912WBL01

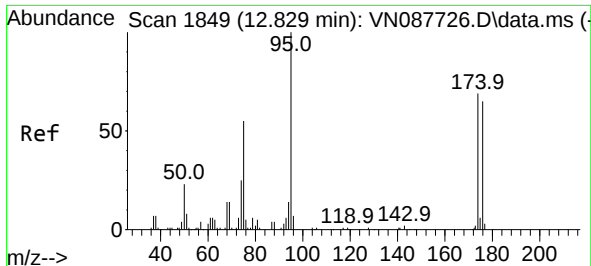
|           |       |       |        |
|-----------|-------|-------|--------|
| Tgt Ion:  | 114   | Resp: | 279905 |
| Ion Ratio | Lower | Upper |        |
| 114       | 100   |       |        |
| 63        | 21.7  | 18.3  | 27.5   |
| 88        | 15.6  | 12.4  | 18.6   |



#57  
Chlorobenzene-d5  
Concen: 30.000 ug/l  
RT: 11.841 min Scan# 1681  
Delta R.T. 0.000 min  
Lab File: VN087814.D  
Acq: 12 Sep 2025 11:40

|           |       |       |        |
|-----------|-------|-------|--------|
| Tgt Ion:  | 117   | Resp: | 254454 |
| Ion Ratio | Lower | Upper |        |
| 117       | 100   |       |        |
| 82        | 57.1  | 45.9  | 68.9   |
| 119       | 31.9  | 25.3  | 37.9   |

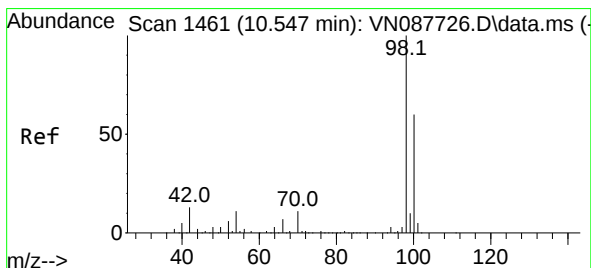
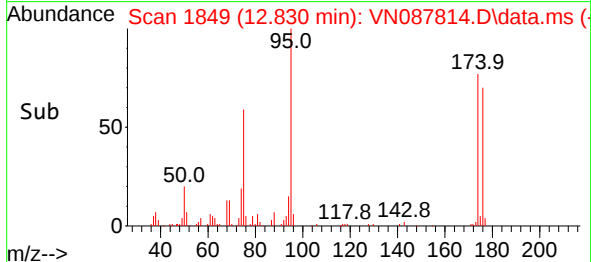
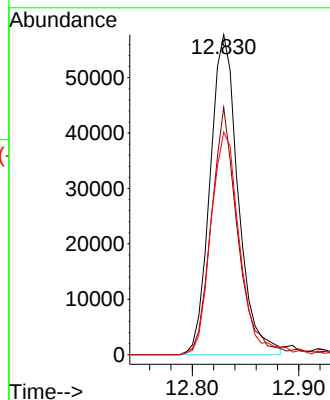
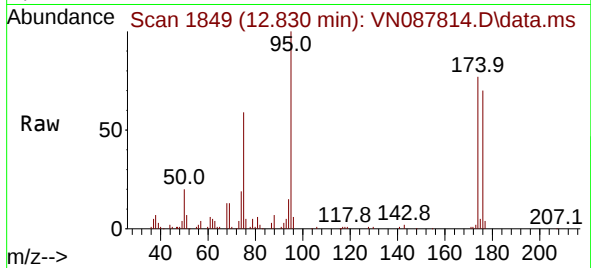




#60  
4-Bromofluorobenzene  
Concen: 25.852 ug/l  
RT: 12.830 min Scan# 1849  
Delta R.T. 0.000 min  
Lab File: VN087814.D  
Acq: 12 Sep 2025 11:40

Instrument :  
MSVOA\_N  
ClientSampleId :  
VN0912WBL01

Tgt Ion: 95 Resp: 105772  
Ion Ratio Lower Upper  
95 100  
174 72.5 55.4 83.0  
176 70.8 51.5 77.3



#63  
Toluene-d8  
Concen: 29.516 ug/l  
RT: 10.547 min Scan# 1461  
Delta R.T. 0.000 min  
Lab File: VN087814.D  
Acq: 12 Sep 2025 11:40

Tgt Ion: 98 Resp: 349272  
Ion Ratio Lower Upper  
98 100  
100 63.3 50.6 76.0

