Quantitation Report (LSC Reviewed)

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN091225\
Data File : VN087817.D
Acq On : 12 Sep 2025 13:22
Operator : JC\MD
Sample : VIBLK
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 1 Sample Multiplier: 1

**Instrument :**
MSVOA_N
**ClientSampleId :**
VIBLK

Quant Time: Sep 12 22:52:54 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 | 7.794 | 128 | 54488 | 30.000 | ug/l | 0.00 |
| 28) 1,4-Difluorobenzene | 9.082 | 114 | 258877 | 30.000 | ug/l | 0.00 |
| 57) Chlorobenzene-d5 | 11.847 | 117 | 235873 | 30.000 | ug/l | 0.00 |
| System Monitoring Compounds | | | | | | |
| 27) 1,2-Dichloroethane-d4 | 8.559 | 65 | 135650 | 29.144 | ug/l | 0.00 |
| Spiked Amount 30.000 | Range 91 - 110 | | Recovery = 97.133% | | | |
| 60) 4-Bromofluorobenzene | 12.829 | 95 | 96123 | 25.345 | ug/l | 0.00 |
| Spiked Amount 30.000 | Range 63 - 112 | | Recovery = 84.467% | | | |
| 63) Toluene-d8 | 10.547 | 98 | 312463 | 28.485 | ug/l | 0.00 |
| Spiked Amount 30.000 | Range 91 - 112 | | Recovery = 94.967% | | | |
| Target Compounds | | | | | | Qvalue |

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

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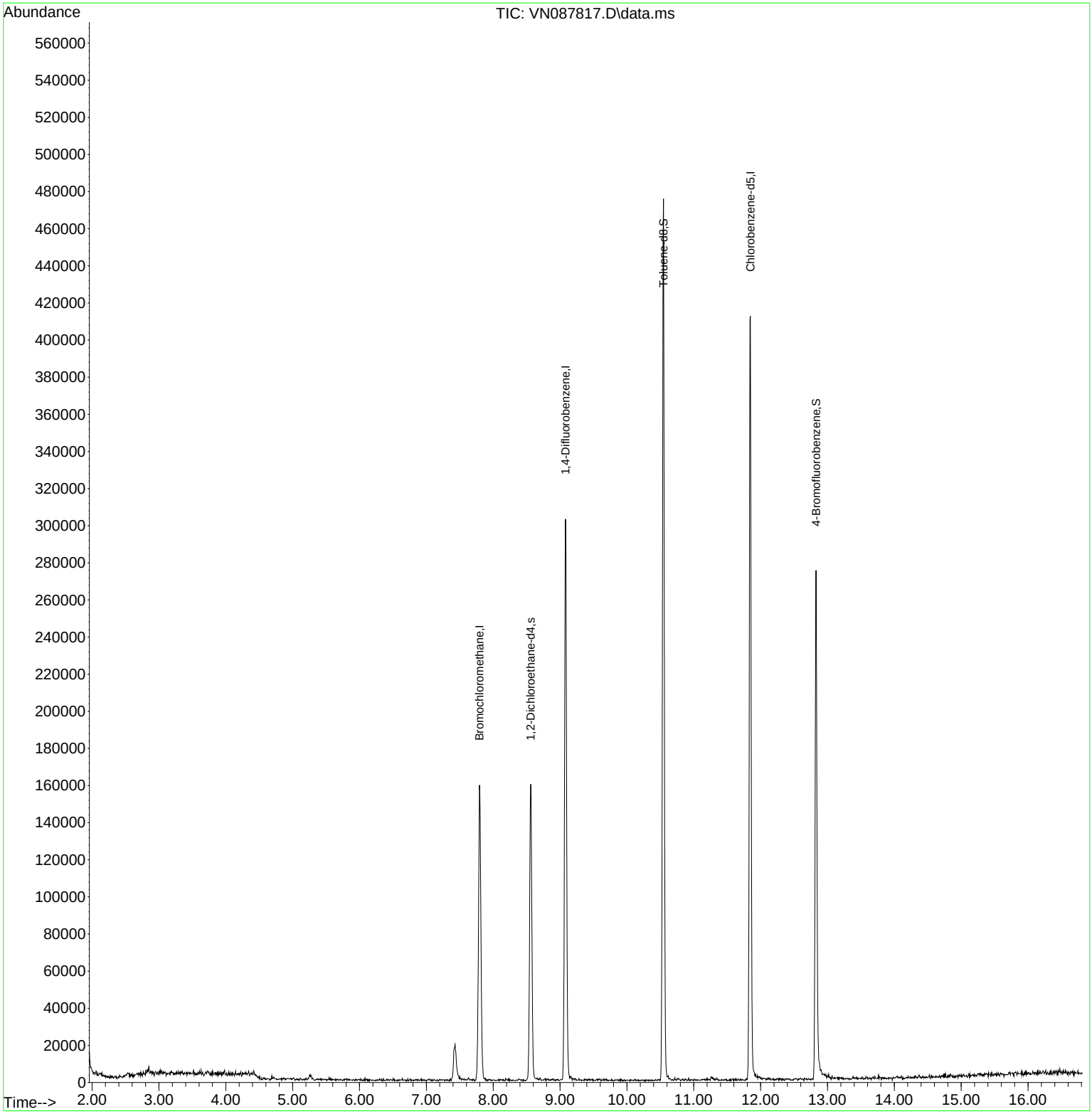
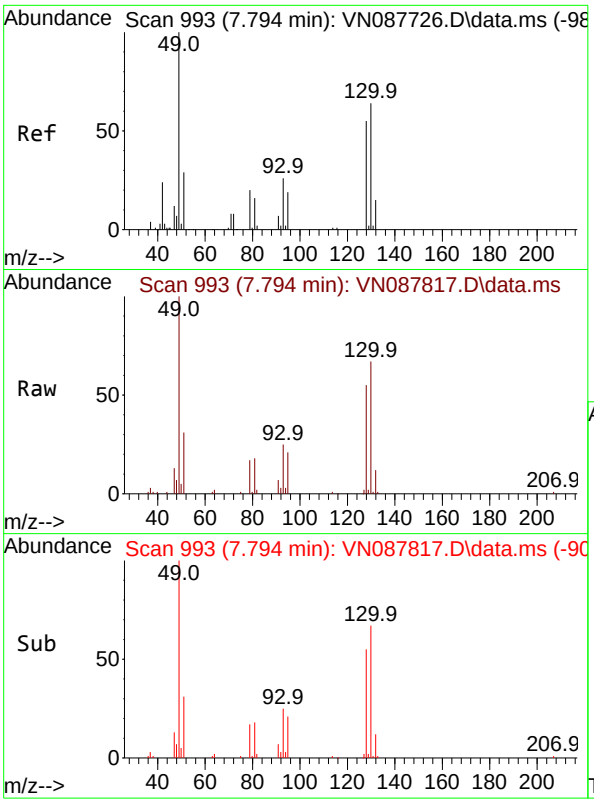


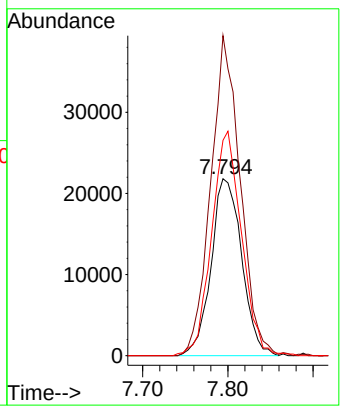


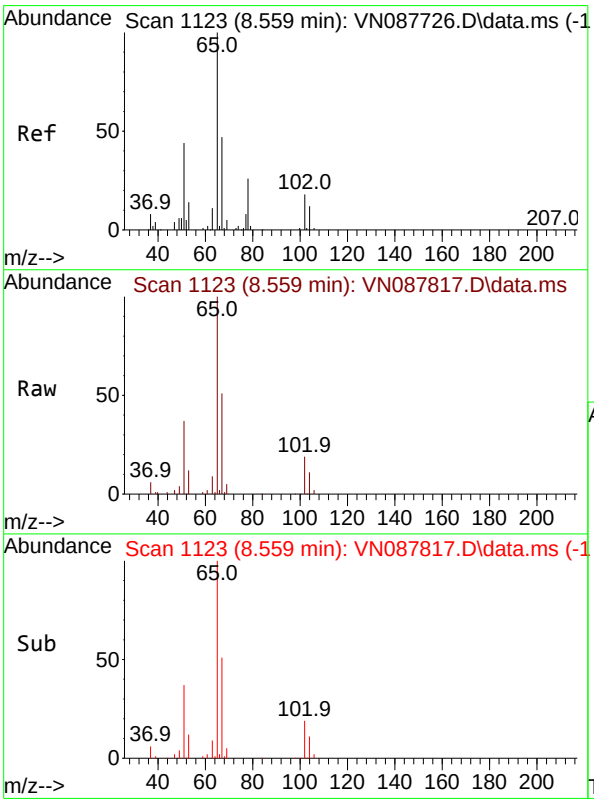

#1
Bromochloromethane
Concen: 30.000 ug/l
RT: 7.794 min Scan# 9
Delta R.T. 0.000 min
Lab File: VN087817.D
Acq: 12 Sep 2025 13:22

**Instrument :**
MSVOA_N
**ClientSampleId :**
VIBLK

Tgt Ion:128 Resp: 54488

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 128 | 100 | | |
| 49 | 173.9 | 0.0 | 464.3 |
| 130 | 123.6 | 0.0 | 300.5 |

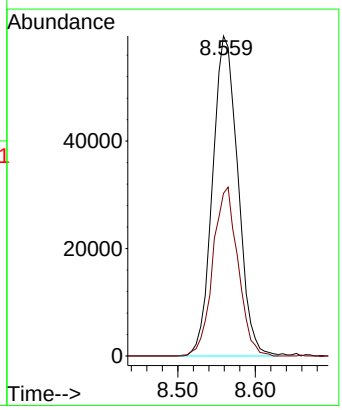


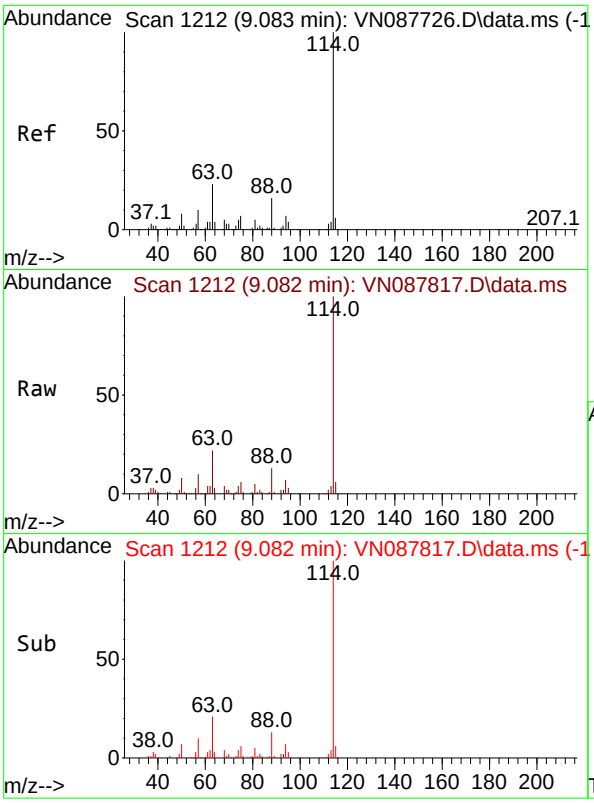




#27
1,2-Dichloroethane-d4
Concen: 29.144 ug/l
RT: 8.559 min Scan# 1123
Delta R.T. -0.000 min
Lab File: VN087817.D
Acq: 12 Sep 2025 13:22

Tgt Ion: 65 Resp: 135650

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 65 | 100 | | |
| 67 | 52.3 | 39.6 | 59.4 |



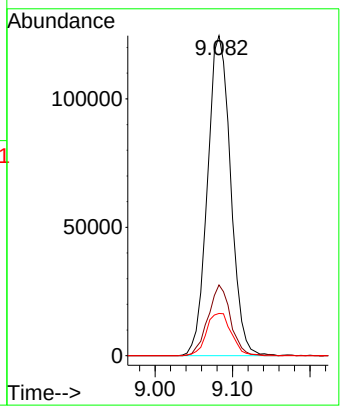


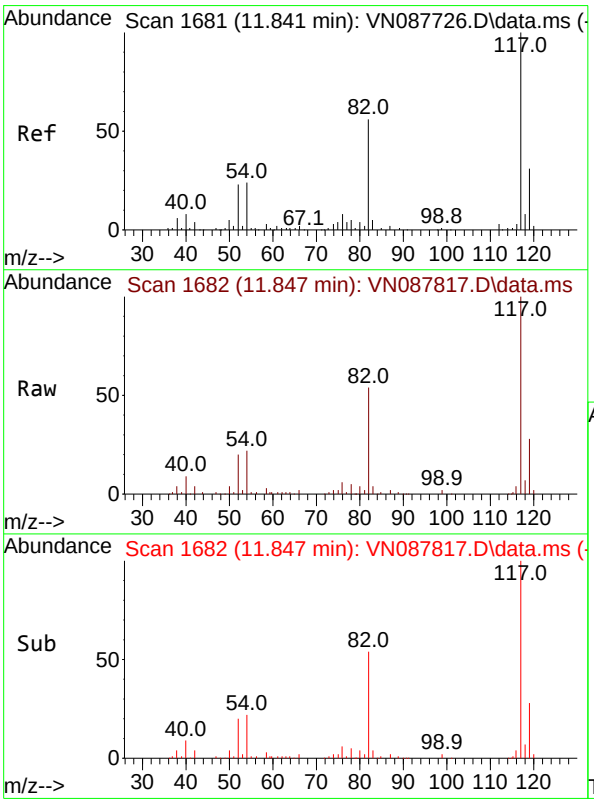

#28
1,4-Difluorobenzene
Concen: 30.000 ug/l
RT: 9.082 min Scan# 1
Delta R.T. -0.000 min
Lab File: VN087817.D
Acq: 12 Sep 2025 13:22

**Instrument :**
MSVOA_N
**ClientSampleId :**
VIBLK

Tgt Ion:114 Resp: 258877

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 114 | 100 | | |
| 63 | 21.3 | 18.3 | 27.5 |
| 88 | 14.2 | 12.4 | 18.6 |

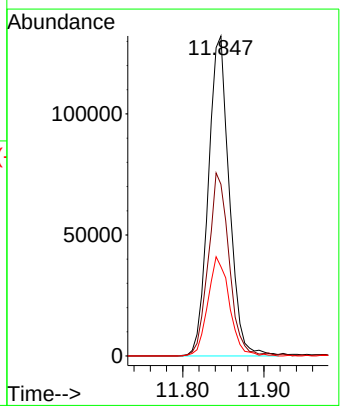


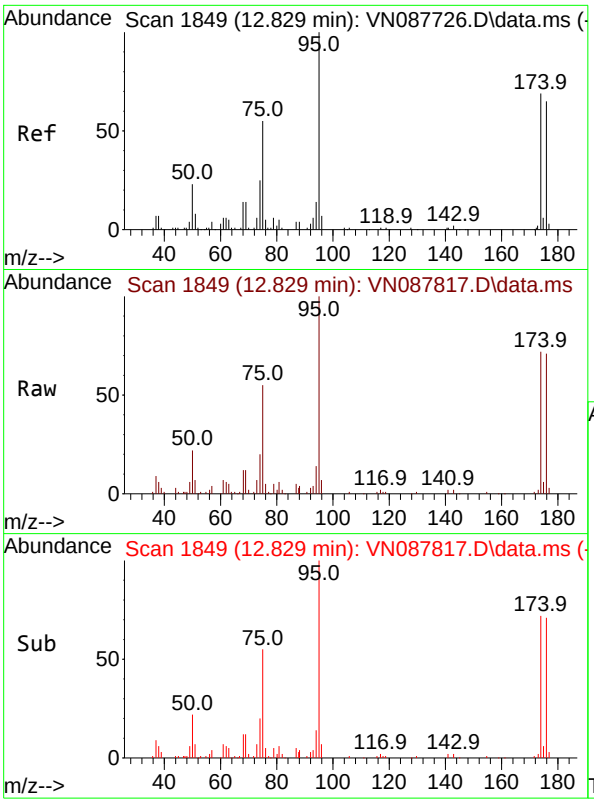




#57
Chlorobenzene-d5
Concen: 30.000 ug/l
RT: 11.847 min Scan# 1682
Delta R.T. 0.006 min
Lab File: VN087817.D
Acq: 12 Sep 2025 13:22

Tgt Ion:117 Resp: 235873

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 117 | 100 | | |
| 82 | 56.7 | 45.9 | 68.9 |
| 119 | 31.8 | 25.3 | 37.9 |



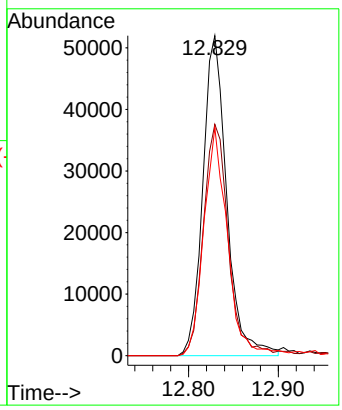


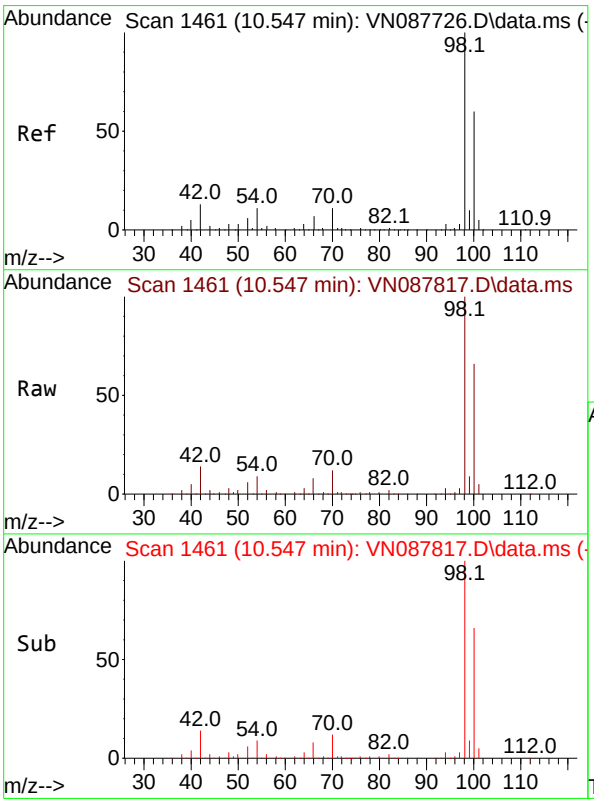

#60
4-Bromofluorobenzene
Concen: 25.345 ug/l
RT: 12.829 min Scan# 1
Delta R.T. -0.000 min
Lab File: VN087817.D
Acq: 12 Sep 2025 13:22

**Instrument :**
MSVOA_N
**ClientSampleId :**
VIBLK

Tgt Ion: 95 Resp: 96123

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 95 | 100 | | |
| 174 | 75.0 | 55.4 | 83.0 |
| 176 | 69.0 | 51.5 | 77.3 |




#63
Toluene-d8
Concen: 28.485 ug/l
RT: 10.547 min Scan# 1461
Delta R.T. -0.000 min
Lab File: VN087817.D
Acq: 12 Sep 2025 13:22

Tgt Ion: 98 Resp: 312463

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 98 | 100 | | |
| 100 | 64.7 | 50.6 | 76.0 |