

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_N\Data\VN090425\  
 Data File : VN087724.D  
 Acq On : 04 Sep 2025 15:41  
 Operator : JC\MD  
 Sample : BLK  
 Misc : 5.0mL/MSVOA\_N/WATER  
 ALS Vial : 12 Sample Multiplier: 1

Instrument :  
 MSVOA\_N  
 ClientSampleId :  
 BLK

Quant Time: Sep 05 02:22:55 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  | 39657    | 30.000 | ug/l  | 0.00     |
| 28) 1,4-Difluorobenzene | 9.083  | 114  | 194323   | 30.000 | ug/l  | 0.00     |
| 57) Chlorobenzene-d5    | 11.847 | 117  | 169955   | 30.000 | ug/l  | 0.00     |

|                             |        |       |          |          |      |         |
|-----------------------------|--------|-------|----------|----------|------|---------|
| System Monitoring Compounds |        |       |          |          |      |         |
| 27) 1,2-Dichloroethane-d4   | 8.565  | 65    | 103885   | 28.401   | ug/l | 0.00    |
| Spiked Amount               | 30.000 | Range | 91 - 110 | Recovery | =    | 94.667% |
| 60) 4-Bromofluorobenzene    | 12.829 | 95    | 74876    | 25.600   | ug/l | 0.00    |
| Spiked Amount               | 30.000 | Range | 63 - 112 | Recovery | =    | 85.333% |
| 63) Toluene-d8              | 10.547 | 98    | 232470   | 29.727   | ug/l | 0.00    |
| Spiked Amount               | 30.000 | Range | 91 - 112 | Recovery | =    | 99.100% |

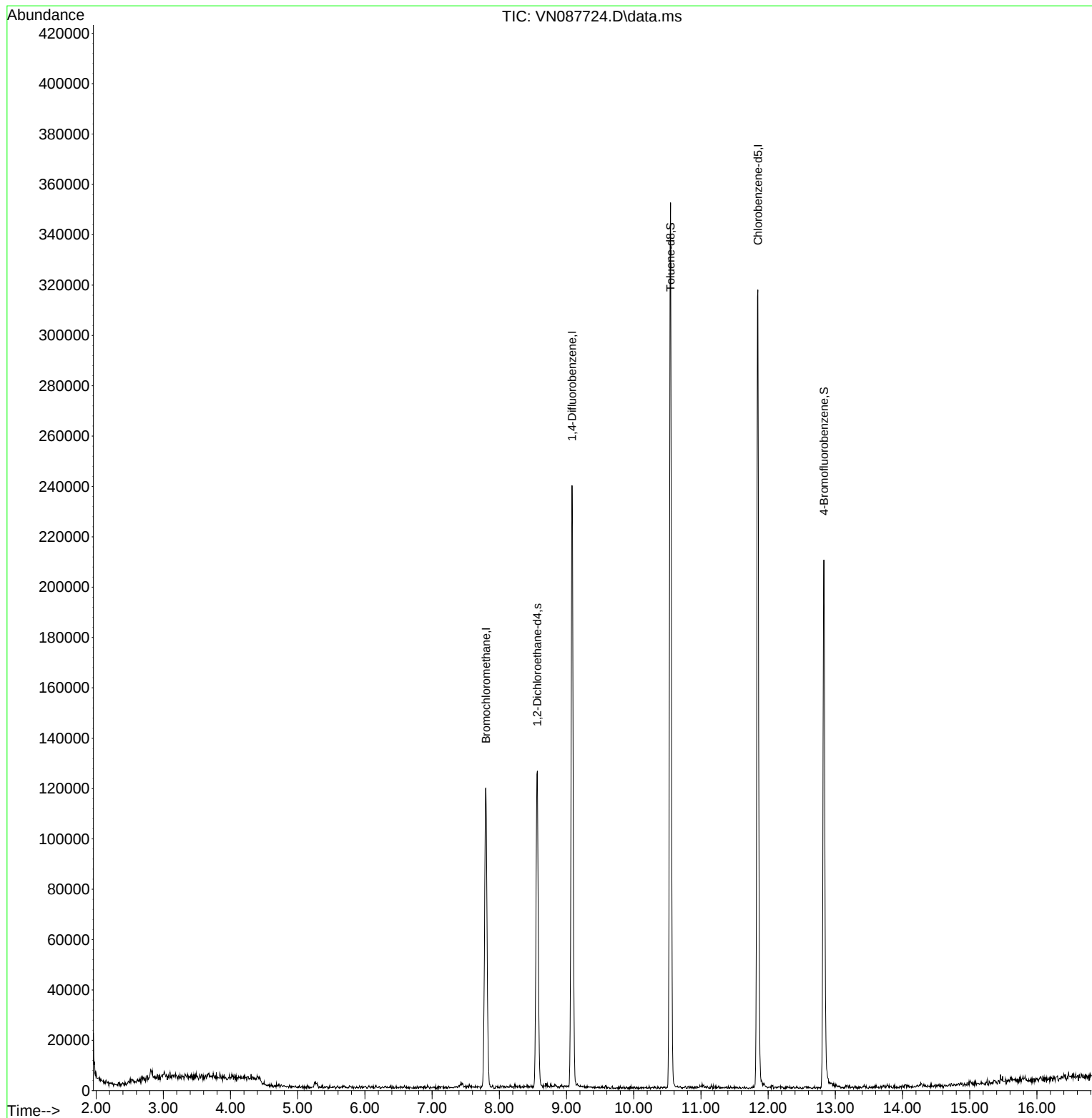
| Target Compounds | Qvalue |
|------------------|--------|
| -----            |        |

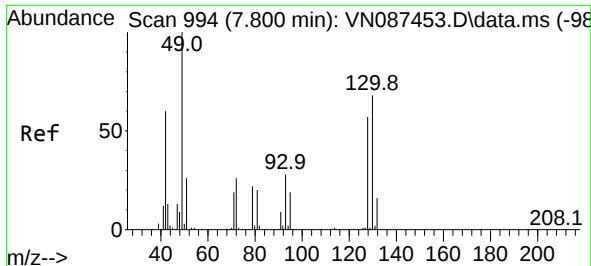
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS  
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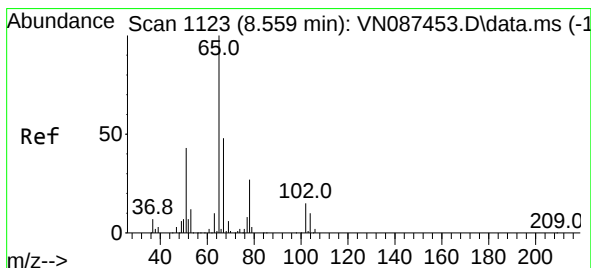
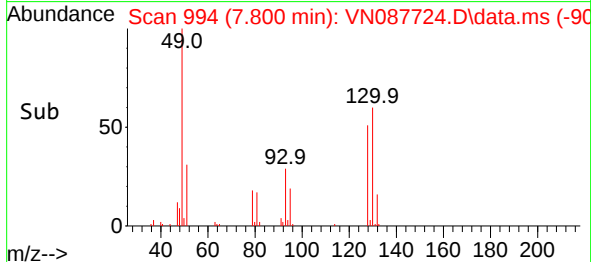
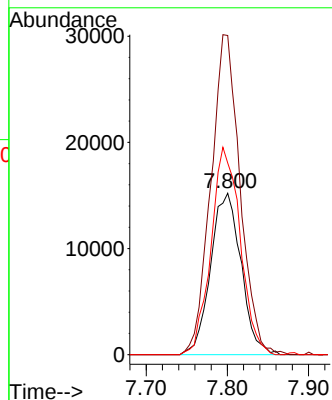
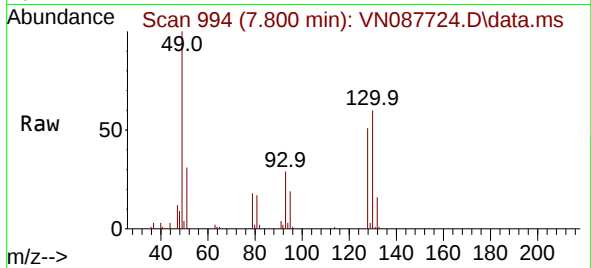




#1  
Bromochloromethane  
Concen: 30.000 ug/l  
RT: 7.800 min Scan# 994  
Delta R.T. 0.000 min  
Lab File: VN087724.D  
Acq: 04 Sep 2025 15:41

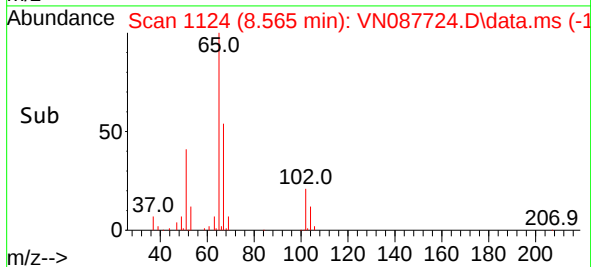
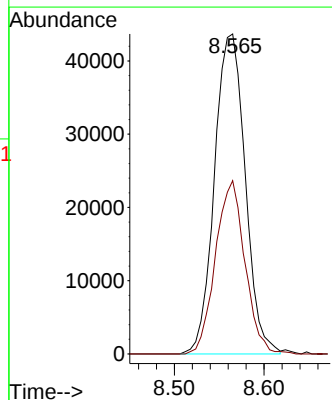
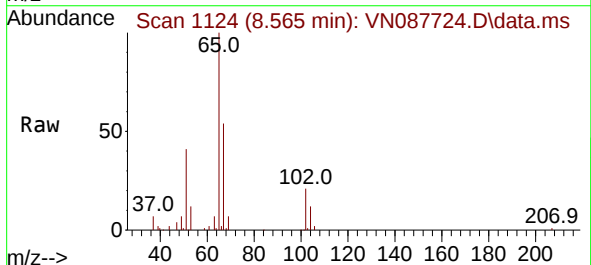
Instrument :  
MSVOA\_N  
ClientSampleId :  
BLK

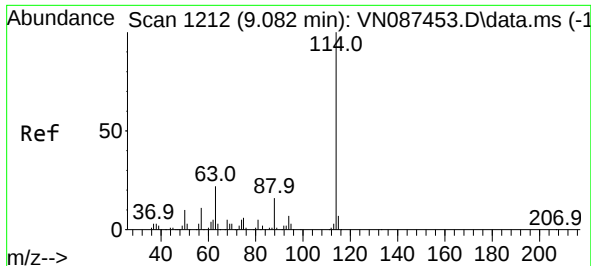
Tgt Ion:128 Resp: 39657  
Ion Ratio Lower Upper  
128 100  
49 189.9 0.0 494.8  
130 123.4 0.0 321.5



#27  
1,2-Dichloroethane-d4  
Concen: 28.401 ug/l  
RT: 8.565 min Scan# 1124  
Delta R.T. 0.006 min  
Lab File: VN087724.D  
Acq: 04 Sep 2025 15:41

Tgt Ion: 65 Resp: 103885  
Ion Ratio Lower Upper  
65 100  
67 51.9 40.8 61.2





#28

1,4-Difluorobenzene

Concen: 30.000 ug/l

RT: 9.083 min Scan# 11

Delta R.T. 0.000 min

Lab File: VN087724.D

Acq: 04 Sep 2025 15:41

Instrument :

MSVOA\_N

ClientSampleId :

BLK

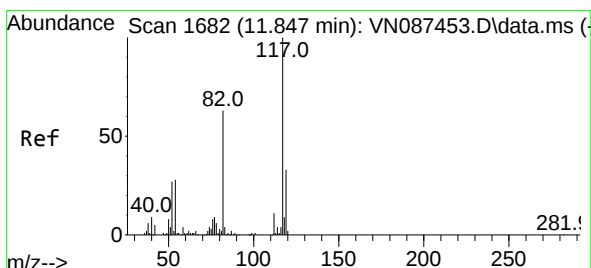
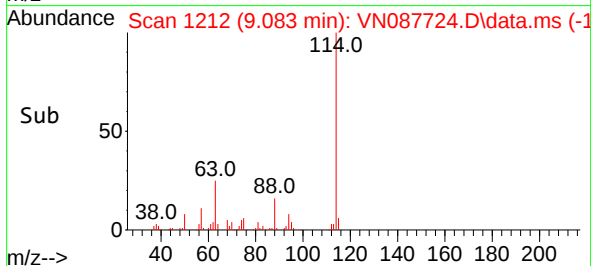
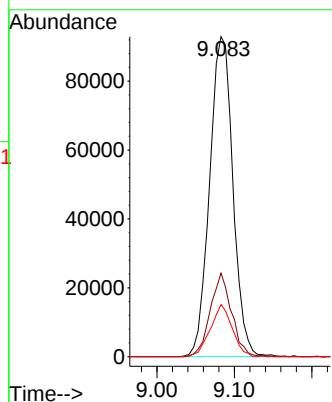
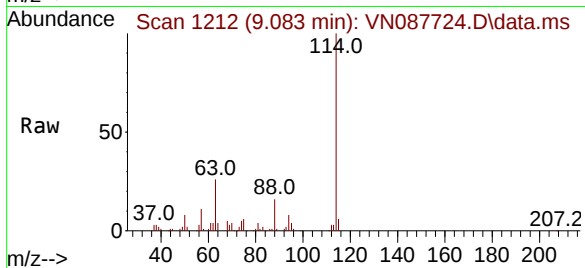
Tgt Ion:114 Resp: 194323

Ion Ratio Lower Upper

114 100

63 23.8 18.9 28.3

88 15.3 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: VN087724.D

Acq: 04 Sep 2025 15:41

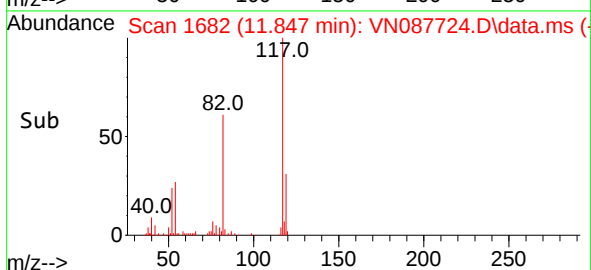
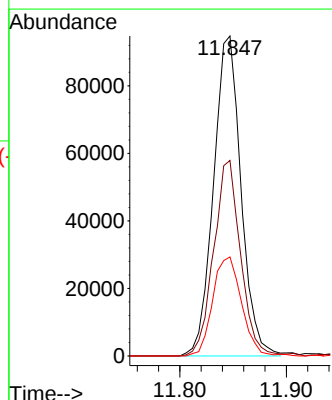
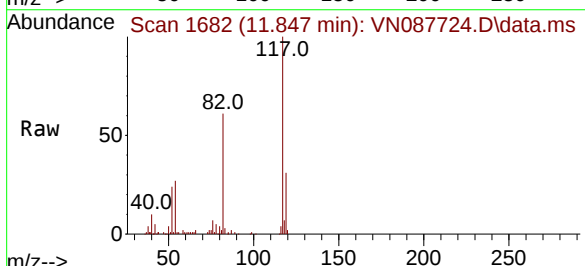
Tgt Ion:117 Resp: 169955

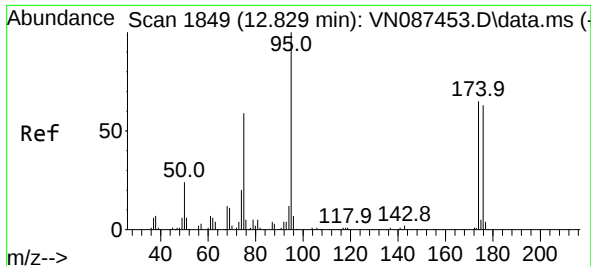
Ion Ratio Lower Upper

117 100

82 59.6 49.2 73.8

119 32.2 25.7 38.5

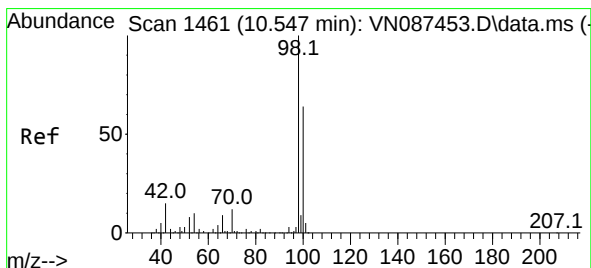
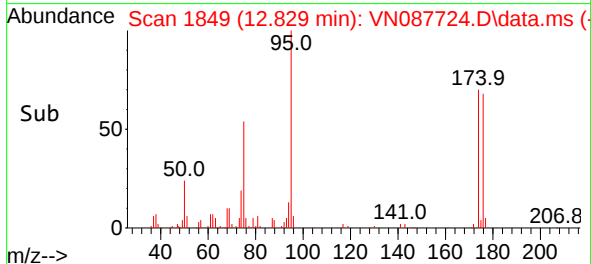
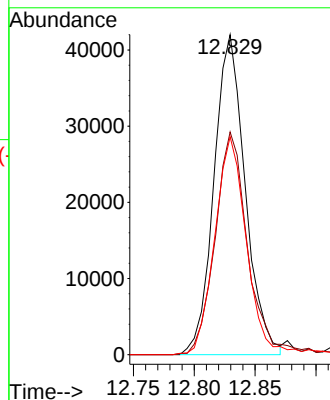
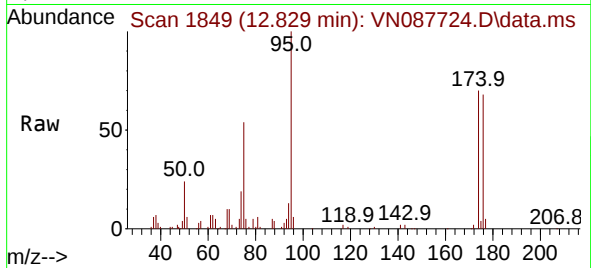




#60  
4-Bromofluorobenzene  
Concen: 25.600 ug/l  
RT: 12.829 min Scan# 11  
Delta R.T. 0.000 min  
Lab File: VN087724.D  
Acq: 04 Sep 2025 15:41

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ClientSampleId :  
BLK

Tgt Ion: 95 Resp: 74876  
Ion Ratio Lower Upper  
95 100  
174 70.1 52.3 78.5  
176 68.9 49.8 74.8



#63  
Toluene-d8  
Concen: 29.727 ug/l  
RT: 10.547 min Scan# 1461  
Delta R.T. 0.000 min  
Lab File: VN087724.D  
Acq: 04 Sep 2025 15:41

Tgt Ion: 98 Resp: 232470  
Ion Ratio Lower Upper  
98 100  
100 65.5 50.5 75.7

