

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_N\Data\VN080725\  
 Data File : VN087489.D  
 Acq On : 07 Aug 2025 13:10  
 Operator : JC\MD  
 Sample : Q2790-02  
 Misc : 5.0mL/MSVOA\_N/WATER  
 ALS Vial : 8 Sample Multiplier: 1

Instrument :  
 MSVOA\_N  
 ClientSampleId :  
 250806062-03 Trip blank

Quant Time: Aug 08 01:20:17 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   | 7.794  | 128  | 57403    | 30.000 | ug/l  | 0.00     |
| 28) 1,4-Difluorobenzene | 9.083  | 114  | 315579   | 30.000 | ug/l  | 0.00     |
| 57) Chlorobenzene-d5    | 11.847 | 117  | 282105   | 30.000 | ug/l  | 0.00     |

|                             |        |       |          |          |      |          |
|-----------------------------|--------|-------|----------|----------|------|----------|
| System Monitoring Compounds |        |       |          |          |      |          |
| 27) 1,2-Dichloroethane-d4   | 8.565  | 65    | 163273   | 30.838   | ug/l | 0.00     |
| Spiked Amount               | 30.000 | Range | 91 - 110 | Recovery | =    | 102.800% |
| 60) 4-Bromofluorobenzene    | 12.829 | 95    | 139563   | 28.747   | ug/l | 0.00     |
| Spiked Amount               | 30.000 | Range | 63 - 112 | Recovery | =    | 95.833%  |
| 63) Toluene-d8              | 10.547 | 98    | 393244   | 30.295   | ug/l | 0.00     |
| Spiked Amount               | 30.000 | Range | 91 - 112 | Recovery | =    | 101.000% |

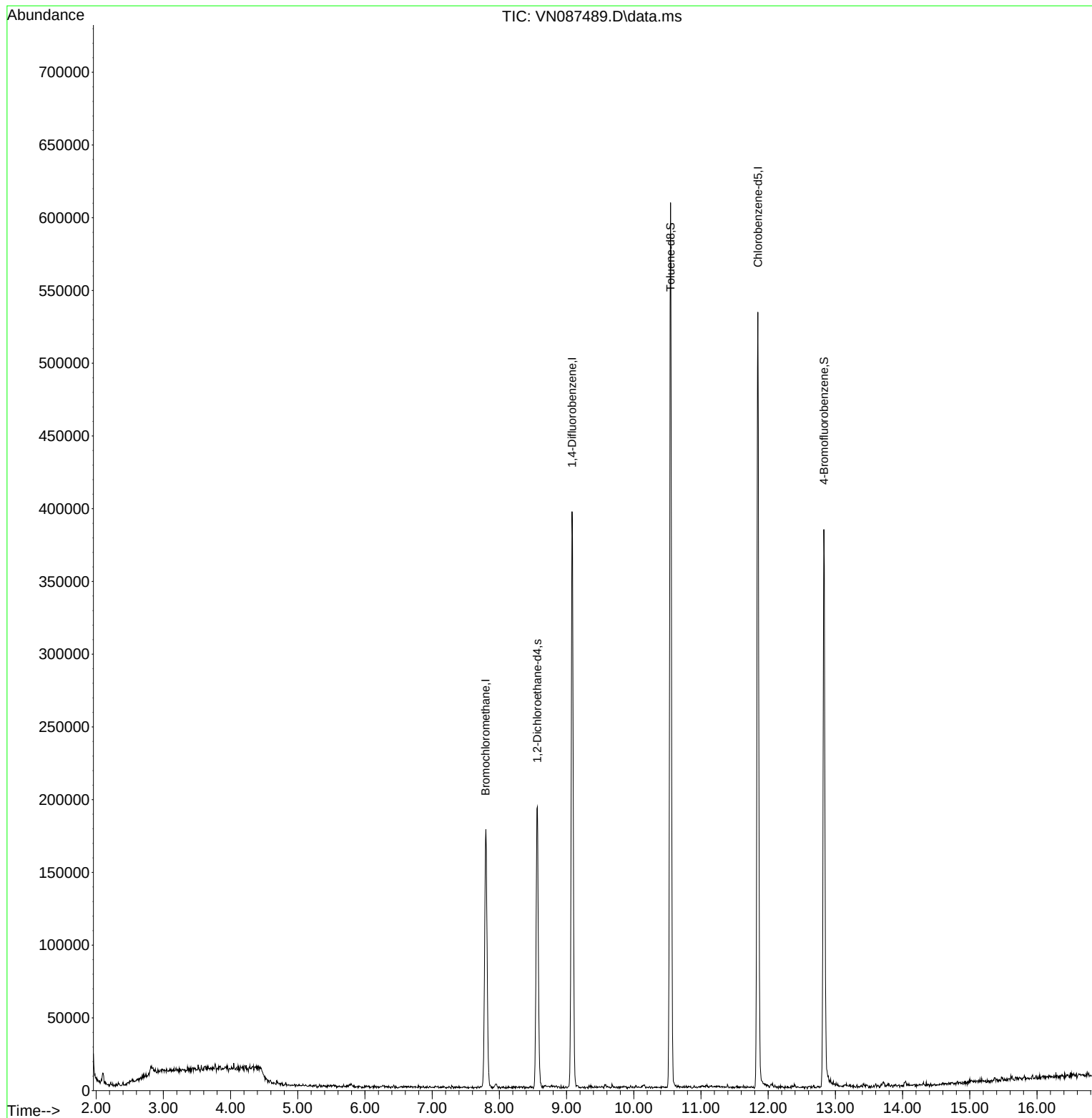
| Target Compounds | Qvalue |
|------------------|--------|
| -----            |        |

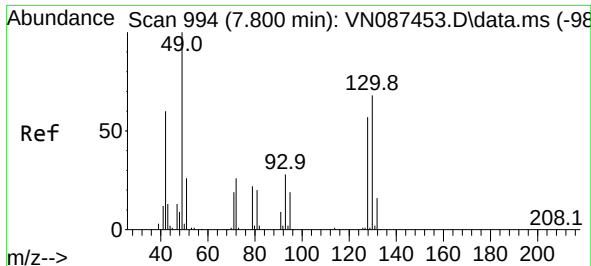
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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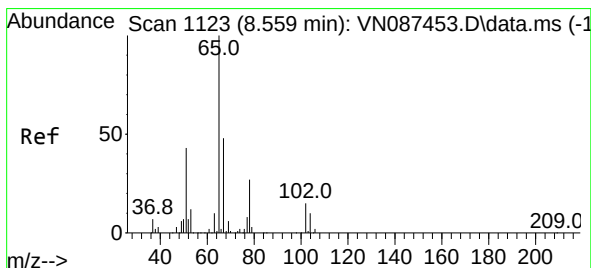
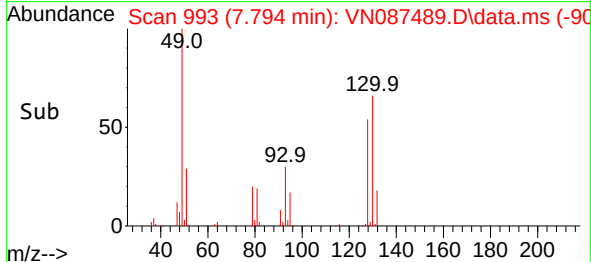
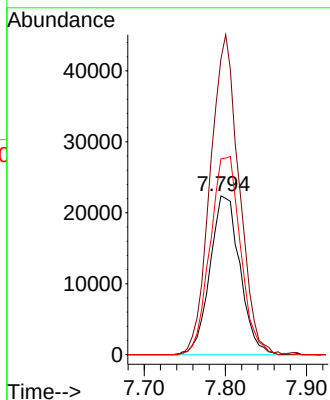
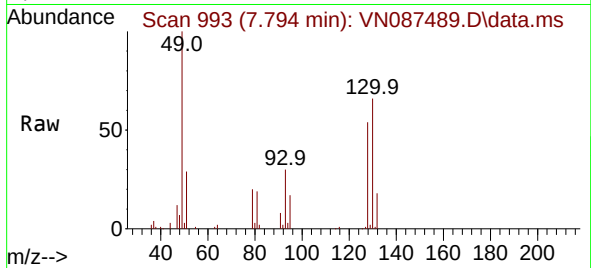




#1  
Bromochloromethane  
Concen: 30.000 ug/l  
RT: 7.794 min Scan# 91  
Delta R.T. -0.006 min  
Lab File: VN087489.D  
Acq: 07 Aug 2025 13:10

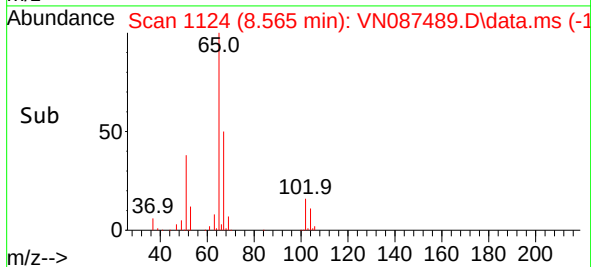
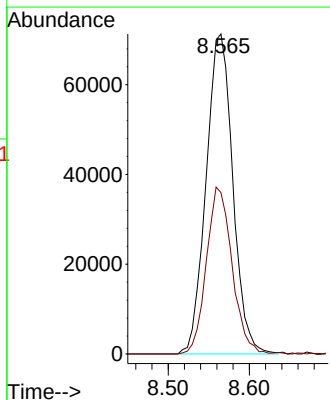
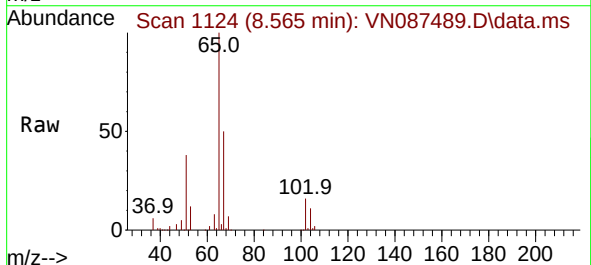
Instrument :  
MSVOA\_N  
ClientSampleId :  
250806062-03 Trip blank

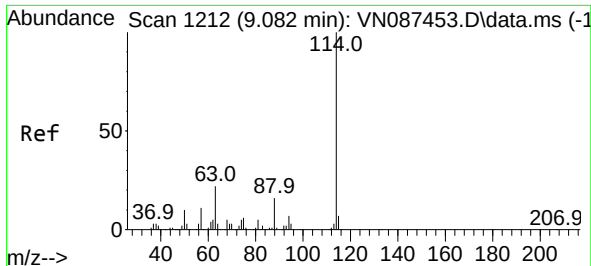
Tgt Ion:128 Resp: 57403  
Ion Ratio Lower Upper  
128 100  
49 194.0 0.0 494.8  
130 127.0 0.0 321.5



#27  
1,2-Dichloroethane-d4  
Concen: 30.838 ug/l  
RT: 8.565 min Scan# 1124  
Delta R.T. 0.006 min  
Lab File: VN087489.D  
Acq: 07 Aug 2025 13:10

Tgt Ion: 65 Resp: 163273  
Ion Ratio Lower Upper  
65 100  
67 50.0 40.8 61.2

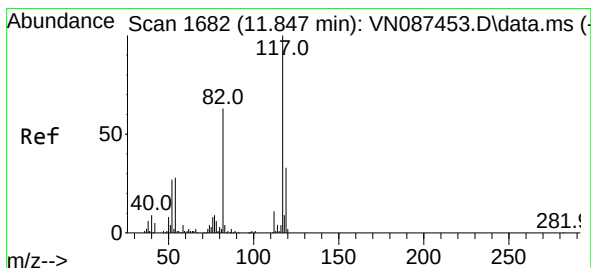
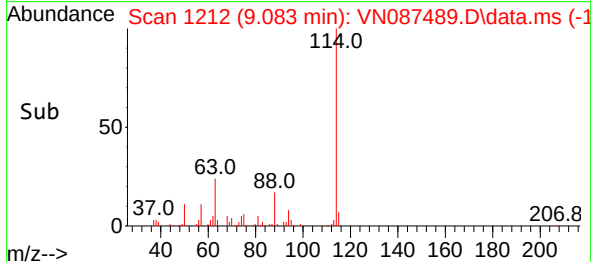
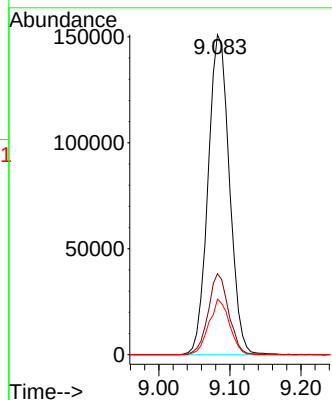
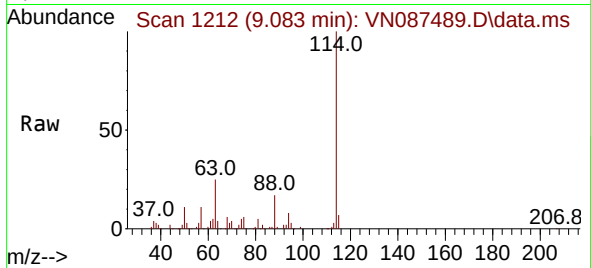




#28  
1,4-Difluorobenzene  
Concen: 30.000 ug/l  
RT: 9.083 min Scan# 11  
Delta R.T. 0.000 min  
Lab File: VN087489.D  
Acq: 07 Aug 2025 13:10

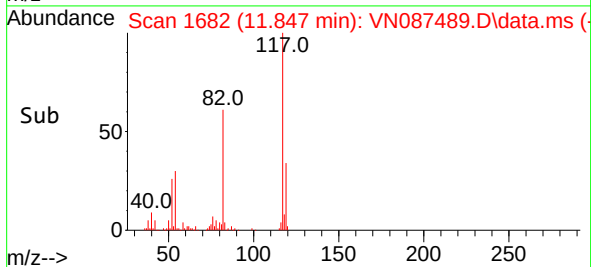
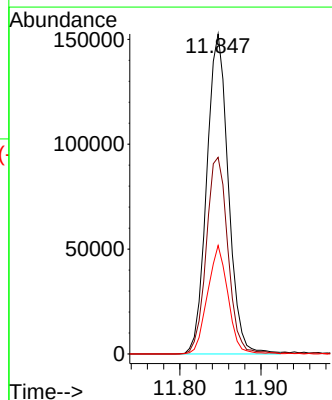
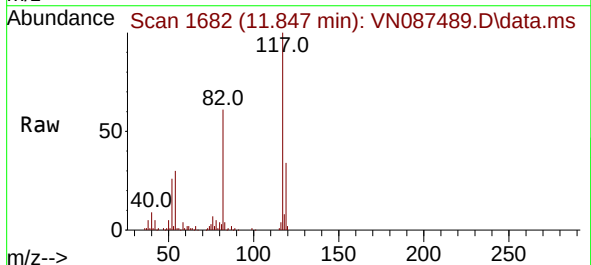
Instrument :  
MSVOA\_N  
ClientSampleId :  
250806062-03 Trip blank

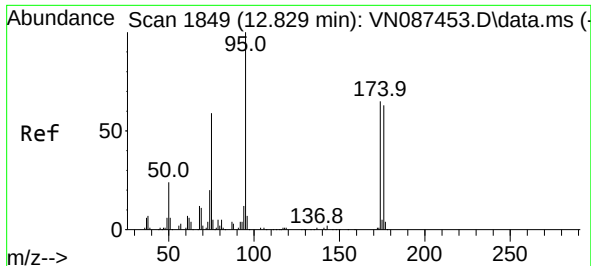
Tgt Ion:114 Resp: 315579  
Ion Ratio Lower Upper  
114 100  
63 24.2 18.9 28.3  
88 16.7 13.1 19.7



#57  
Chlorobenzene-d5  
Concen: 30.000 ug/l  
RT: 11.847 min Scan# 1682  
Delta R.T. 0.000 min  
Lab File: VN087489.D  
Acq: 07 Aug 2025 13:10

Tgt Ion:117 Resp: 282105  
Ion Ratio Lower Upper  
117 100  
82 61.3 49.2 73.8  
119 32.0 25.7 38.5

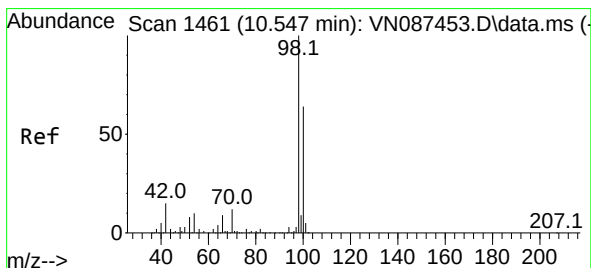
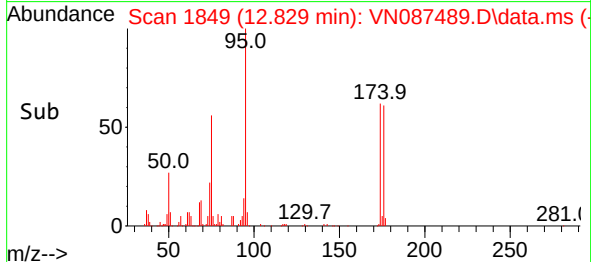
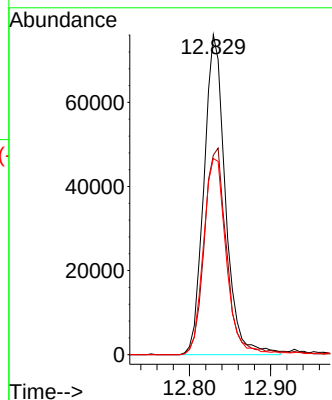
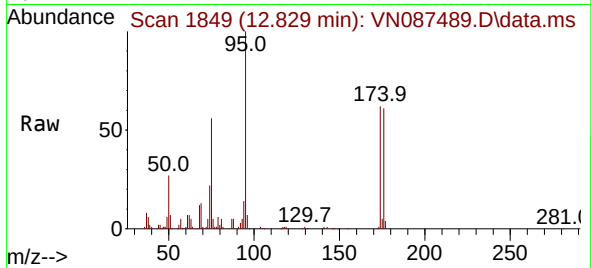




#60  
4-Bromofluorobenzene  
Concen: 28.747 ug/l  
RT: 12.829 min Scan# 1849  
Delta R.T. 0.000 min  
Lab File: VN087489.D  
Acq: 07 Aug 2025 13:10

Instrument :  
MSVOA\_N  
ClientSampleId :  
250806062-03 Trip blank

Tgt Ion: 95 Resp: 139563  
Ion Ratio Lower Upper  
95 100  
174 66.0 52.3 78.5  
176 64.1 49.8 74.8



#63  
Toluene-d8  
Concen: 30.295 ug/l  
RT: 10.547 min Scan# 1461  
Delta R.T. 0.000 min  
Lab File: VN087489.D  
Acq: 07 Aug 2025 13:10

Tgt Ion: 98 Resp: 393244  
Ion Ratio Lower Upper  
98 100  
100 63.6 50.5 75.7

