

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_N\Data\VN091625\  
 Data File : VN087866.D  
 Acq On : 16 Sep 2025 21:05  
 Operator : JC\MD  
 Sample : Q3087-04  
 Misc : 5.0mL/MSVOA\_N/WATER  
 ALS Vial : 22 Sample Multiplier: 1

Instrument :  
 MSVOA\_N  
 ClientSampleId :  
 STORAGE-BLANK-SAMPLE-MANAGEMENT

Quant Time: Sep 17 01:31:19 2025  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_N\methods\82N082125W.M  
 Quant Title : SW846 8260  
 QLast Update : Fri Aug 22 02:55:42 2025  
 Response via : Initial Calibration

| Compound                   | R.T.   | QIon | Response | Conc   | Units | Dev(Min) |
|----------------------------|--------|------|----------|--------|-------|----------|
| -----                      |        |      |          |        |       |          |
| Internal Standards         |        |      |          |        |       |          |
| 1) Pentafluorobenzene      | 8.206  | 168  | 203329   | 50.000 | ug/l  | 0.00     |
| 34) 1,4-Difluorobenzene    | 9.082  | 114  | 445964   | 50.000 | ug/l  | 0.00     |
| 63) Chlorobenzene-d5       | 11.847 | 117  | 423965   | 50.000 | ug/l  | 0.00     |
| 72) 1,4-Dichlorobenzene-d4 | 13.770 | 152  | 206726   | 50.000 | ug/l  | 0.00     |

|                             |        |       |          |          |      |         |
|-----------------------------|--------|-------|----------|----------|------|---------|
| System Monitoring Compounds |        |       |          |          |      |         |
| 33) 1,2-Dichloroethane-d4   | 8.559  | 65    | 189726   | 45.542   | ug/l | 0.00    |
| Spiked Amount               | 50.000 | Range | 74 - 125 | Recovery | =    | 91.080% |
| 35) Dibromofluoromethane    | 8.153  | 113   | 157577   | 48.939   | ug/l | 0.00    |
| Spiked Amount               | 50.000 | Range | 75 - 124 | Recovery | =    | 97.880% |
| 50) Toluene-d8              | 10.547 | 98    | 569874   | 47.287   | ug/l | 0.00    |
| Spiked Amount               | 50.000 | Range | 86 - 113 | Recovery | =    | 94.580% |
| 62) 4-Bromofluorobenzene    | 12.829 | 95    | 197824   | 46.158   | ug/l | 0.00    |
| Spiked Amount               | 50.000 | Range | 77 - 121 | Recovery | =    | 92.320% |

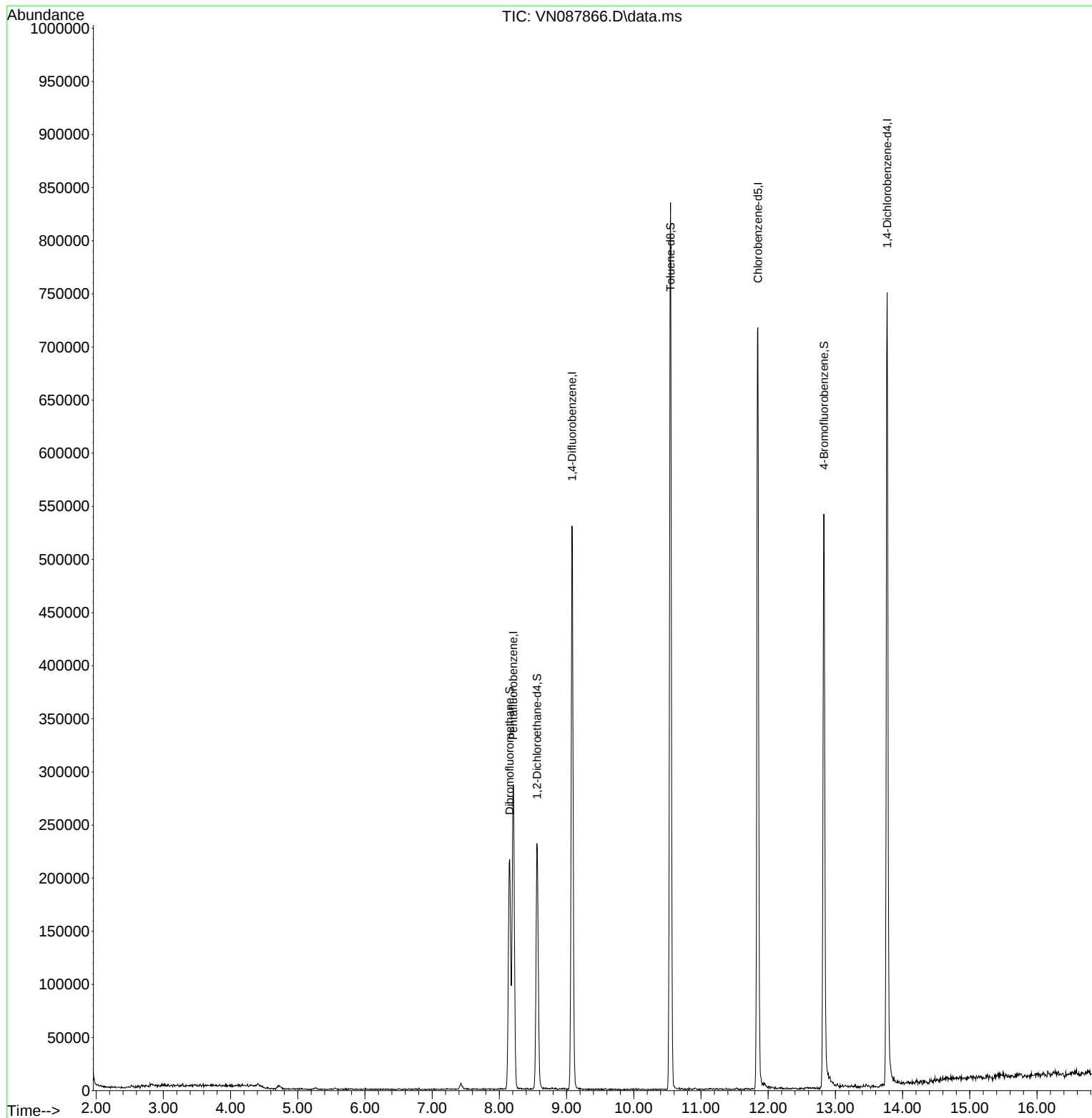
| Target Compounds | Qvalue |
|------------------|--------|
| -----            |        |

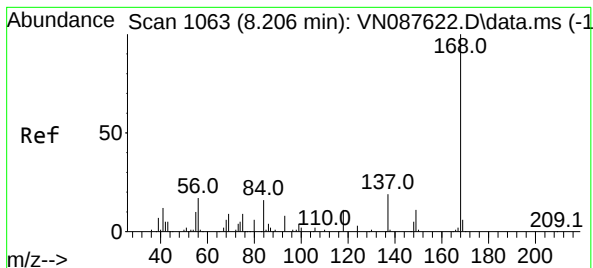
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_N\methods\82N082125W.M  
Quant Title : SW846 8260  
QLast Update : Fri Aug 22 02:55:42 2025  
Response via : Initial Calibration

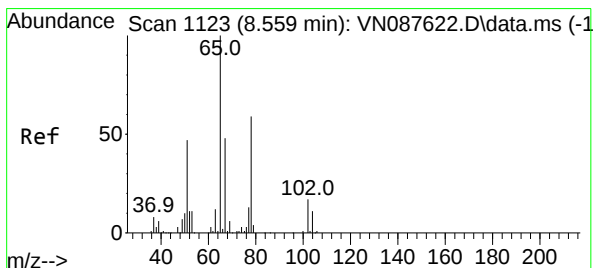
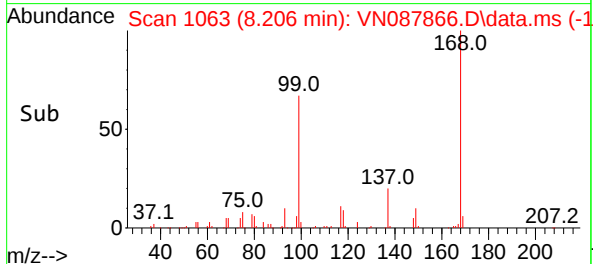
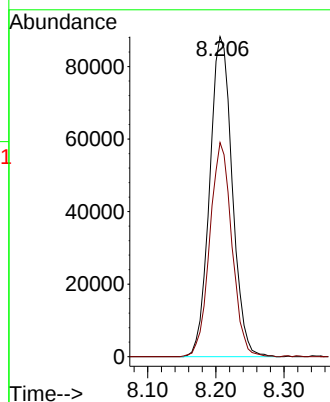
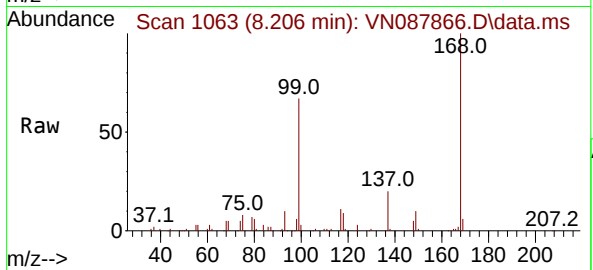




#1  
Pentafluorobenzene  
Concen: 50.000 ug/l  
RT: 8.206 min Scan# 1063  
Delta R.T. 0.000 min  
Lab File: VN087866.D  
Acq: 16 Sep 2025 21:05

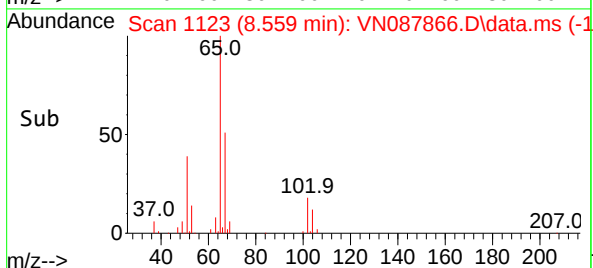
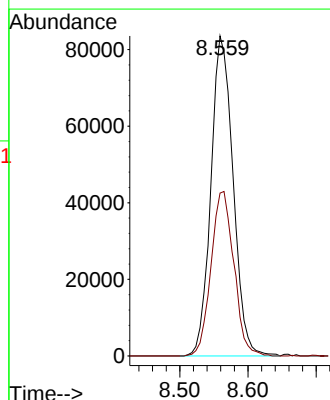
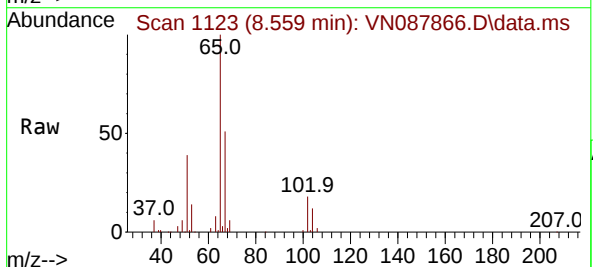
Instrument :  
MSVOA\_N  
ClientSampleId :  
STORAGE-BLANK-SAMPLE-MANAGEMENT

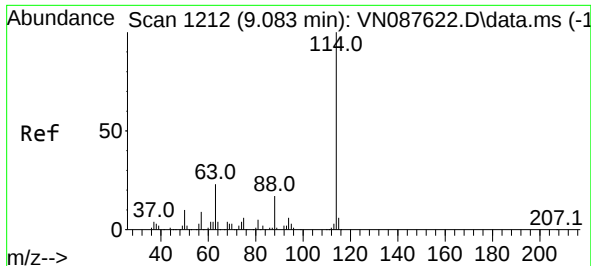
Tgt Ion:168 Resp: 203329  
Ion Ratio Lower Upper  
168 100  
99 66.9 57.2 85.8



#33  
1,2-Dichloroethane-d4  
Concen: 45.542 ug/l  
RT: 8.559 min Scan# 1123  
Delta R.T. -0.000 min  
Lab File: VN087866.D  
Acq: 16 Sep 2025 21:05

Tgt Ion: 65 Resp: 189726  
Ion Ratio Lower Upper  
65 100  
67 52.8 0.0 100.0

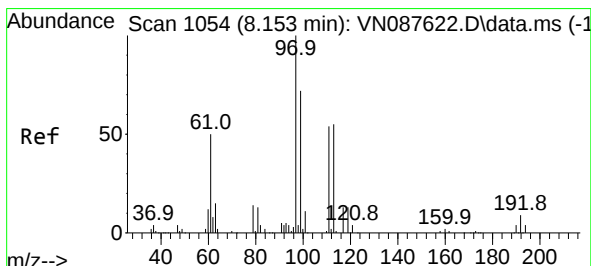
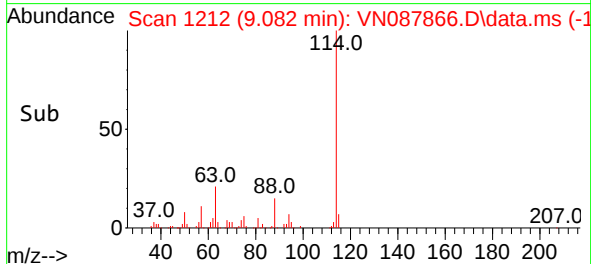
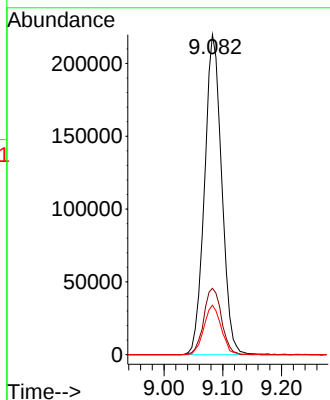
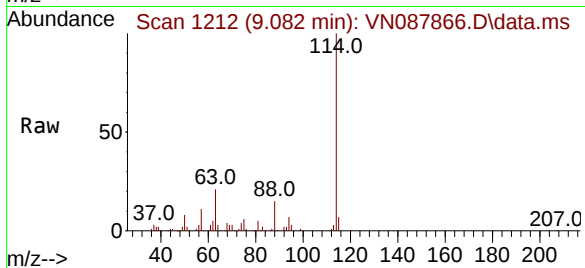




#34  
1,4-Difluorobenzene  
Concen: 50.000 ug/l  
RT: 9.082 min Scan# 11  
Delta R.T. -0.000 min  
Lab File: VN087866.D  
Acq: 16 Sep 2025 21:05

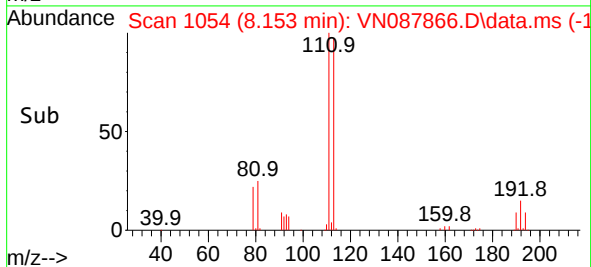
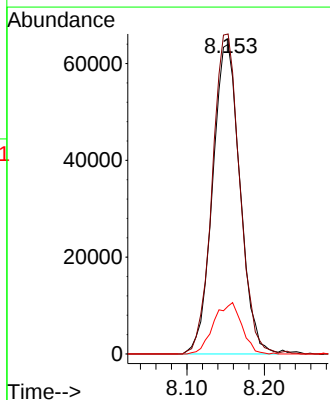
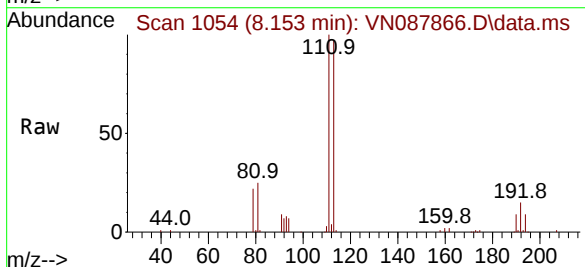
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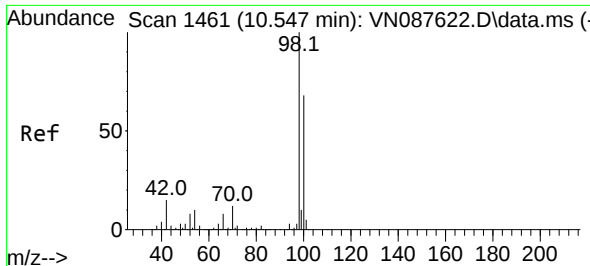
Tgt Ion:114 Resp: 445964  
Ion Ratio Lower Upper  
114 100  
63 20.7 0.0 45.2  
88 15.4 0.0 33.4



#35  
Dibromofluoromethane  
Concen: 48.939 ug/l  
RT: 8.153 min Scan# 1054  
Delta R.T. -0.000 min  
Lab File: VN087866.D  
Acq: 16 Sep 2025 21:05

Tgt Ion:113 Resp: 157577  
Ion Ratio Lower Upper  
113 100  
111 102.8 82.8 124.2  
192 17.0 12.8 19.2

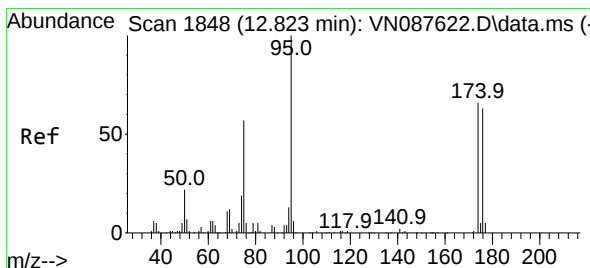
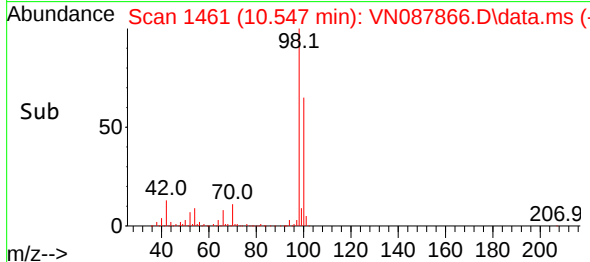
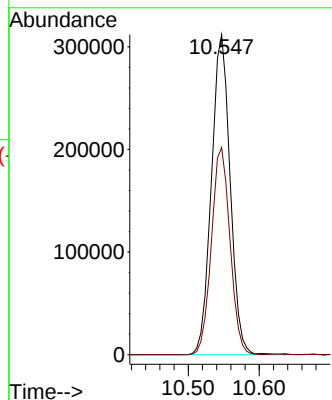
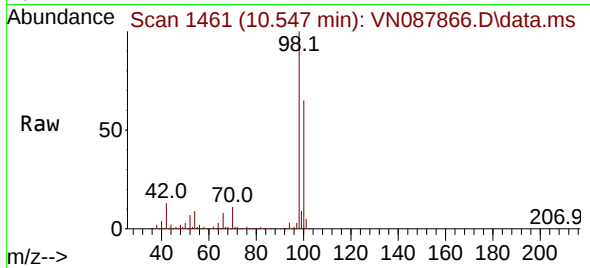




#50  
Toluene-d8  
Concen: 47.287 ug/l  
RT: 10.547 min Scan# 1461  
Delta R.T. -0.000 min  
Lab File: VN087866.D  
Acq: 16 Sep 2025 21:05

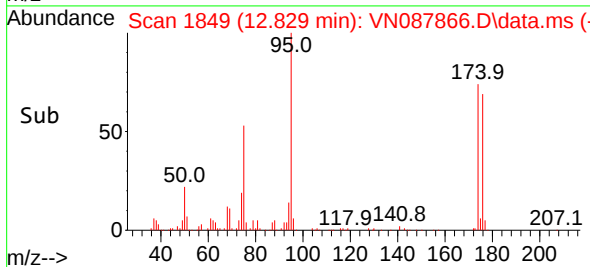
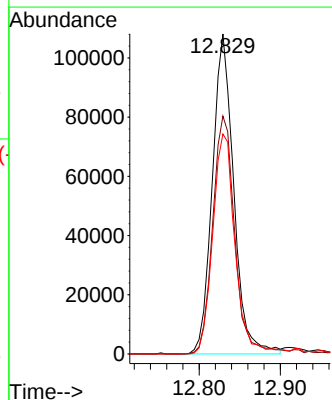
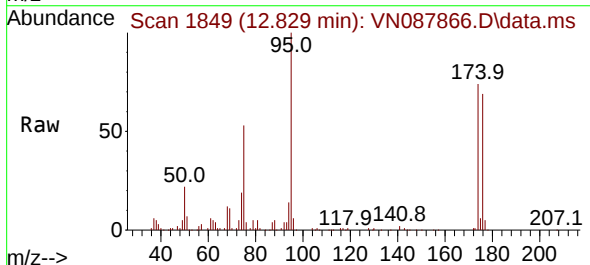
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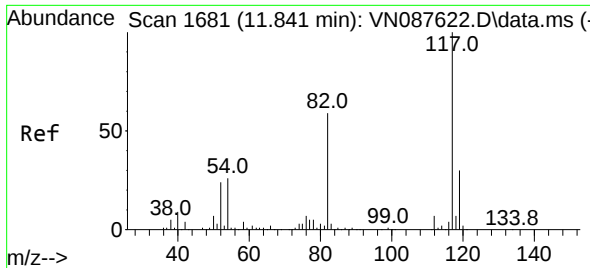
Tgt Ion: 98 Resp: 569874  
Ion Ratio Lower Upper  
98 100  
100 64.3 52.8 79.2



#62  
4-Bromofluorobenzene  
Concen: 46.158 ug/l  
RT: 12.829 min Scan# 1849  
Delta R.T. 0.006 min  
Lab File: VN087866.D  
Acq: 16 Sep 2025 21:05

Tgt Ion: 95 Resp: 197824  
Ion Ratio Lower Upper  
95 100  
174 76.8 0.0 138.4  
176 71.9 0.0 132.6

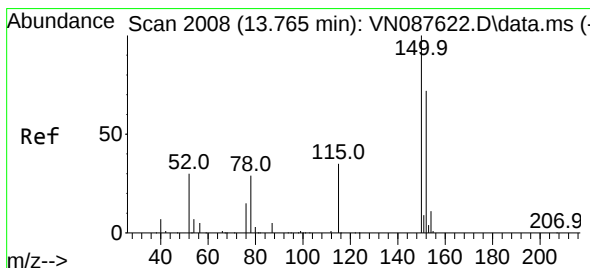
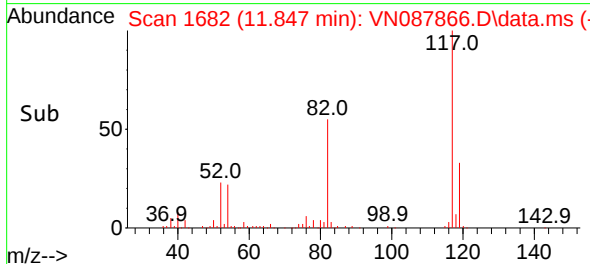
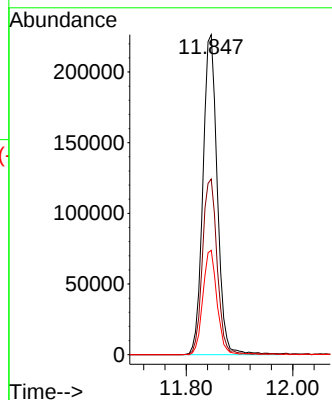
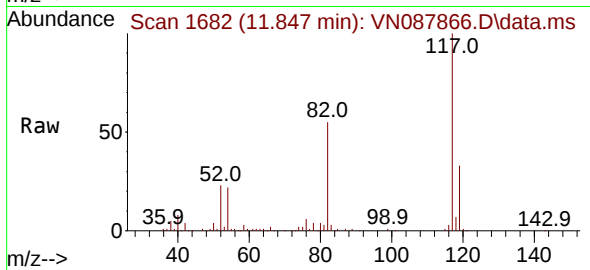




#63  
Chlorobenzene-d5  
Concen: 50.000 ug/l  
RT: 11.847 min Scan# 117  
Delta R.T. 0.006 min  
Lab File: VN087866.D  
Acq: 16 Sep 2025 21:05

Instrument :  
MSVOA\_N  
ClientSampleId :  
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Tgt Ion:117 Resp: 423965  
Ion Ratio Lower Upper  
117 100  
82 54.9 47.4 71.2  
119 32.6 24.3 36.5



#72  
1,4-Dichlorobenzene-d4  
Concen: 50.000 ug/l  
RT: 13.770 min Scan# 2009  
Delta R.T. 0.006 min  
Lab File: VN087866.D  
Acq: 16 Sep 2025 21:05

Tgt Ion:152 Resp: 206726  
Ion Ratio Lower Upper  
152 100  
115 63.0 32.3 96.8  
150 155.3 0.0 351.0

