

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_N\Data\VN050625\  
 Data File : VN086524.D  
 Acq On : 06 May 2025 19:00  
 Operator : JC\MD  
 Sample : IBLK  
 Misc : 5.0mL/MSVOA\_N/WATER  
 ALS Vial : 22 Sample Multiplier: 1

Instrument :  
 MSVOA\_N  
 ClientSampleId :  
 IBLK

Quant Time: May 07 02:58:08 2025  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_N\methods\82N041525W.M  
 Quant Title : SW846 8260  
 QLast Update : Wed Apr 16 04:19:23 2025  
 Response via : Initial Calibration

| Compound                   | R.T.   | QIon | Response | Conc   | Units | Dev(Min) |
|----------------------------|--------|------|----------|--------|-------|----------|
| -----                      |        |      |          |        |       |          |
| Internal Standards         |        |      |          |        |       |          |
| 1) Pentafluorobenzene      | 8.224  | 168  | 233960   | 50.000 | ug/l  | 0.00     |
| 34) 1,4-Difluorobenzene    | 9.100  | 114  | 428069   | 50.000 | ug/l  | 0.00     |
| 63) Chlorobenzene-d5       | 11.865 | 117  | 413426   | 50.000 | ug/l  | 0.00     |
| 72) 1,4-Dichlorobenzene-d4 | 13.788 | 152  | 189991   | 50.000 | ug/l  | 0.00     |

|                             |        |       |          |          |      |          |
|-----------------------------|--------|-------|----------|----------|------|----------|
| System Monitoring Compounds |        |       |          |          |      |          |
| 33) 1,2-Dichloroethane-d4   | 8.577  | 65    | 152858   | 45.056   | ug/l | 0.00     |
| Spiked Amount               | 50.000 | Range | 74 - 125 | Recovery | =    | 90.120%  |
| 35) Dibromofluoromethane    | 8.165  | 113   | 118410   | 59.601   | ug/l | 0.00     |
| Spiked Amount               | 50.000 | Range | 75 - 124 | Recovery | =    | 119.200% |
| 50) Toluene-d8              | 10.565 | 98    | 541992   | 51.045   | ug/l | 0.00     |
| Spiked Amount               | 50.000 | Range | 86 - 113 | Recovery | =    | 102.080% |
| 62) 4-Bromofluorobenzene    | 12.847 | 95    | 205419   | 53.041   | ug/l | 0.00     |
| Spiked Amount               | 50.000 | Range | 77 - 121 | Recovery | =    | 106.080% |

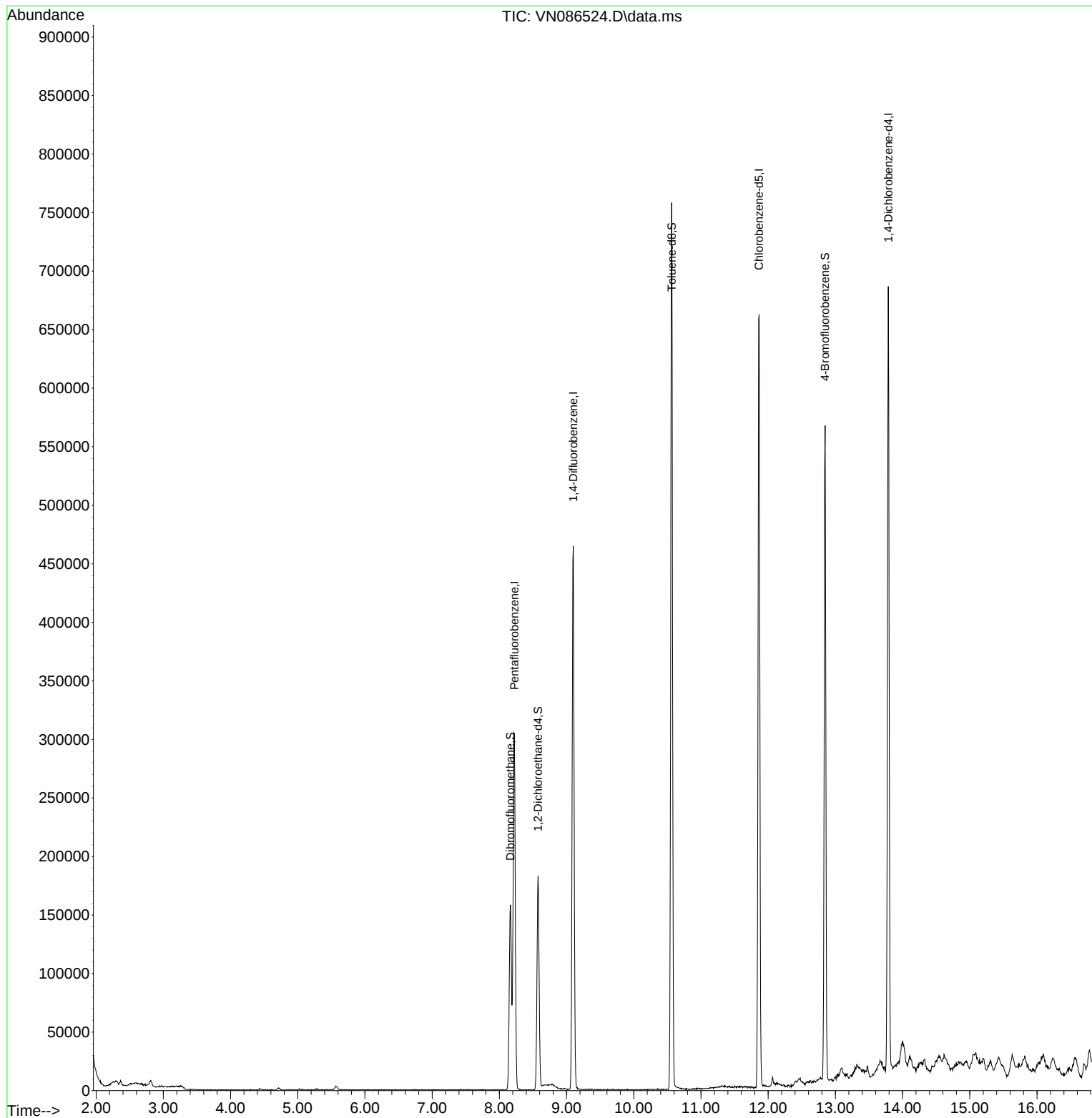
| Target Compounds | Qvalue |
|------------------|--------|
| -----            |        |

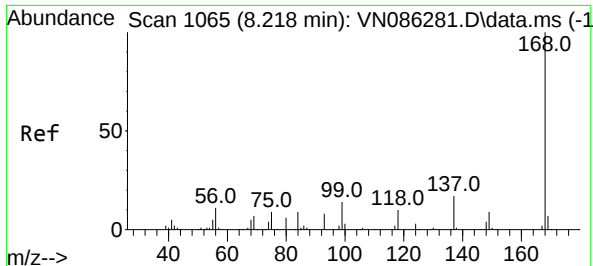
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : SW846 8260  
QLast Update : Wed Apr 16 04:19:23 2025  
Response via : Initial Calibration

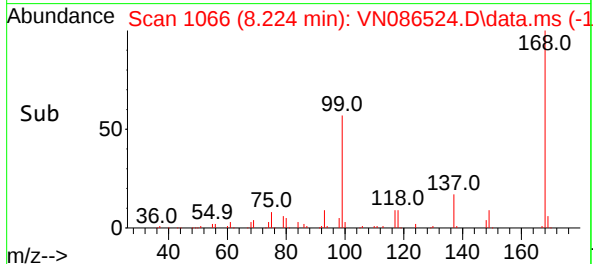
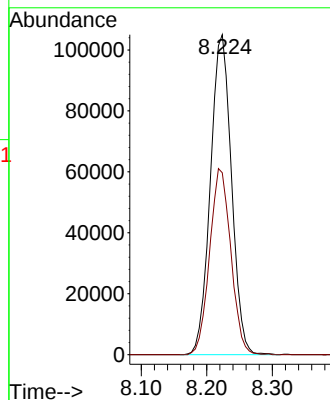
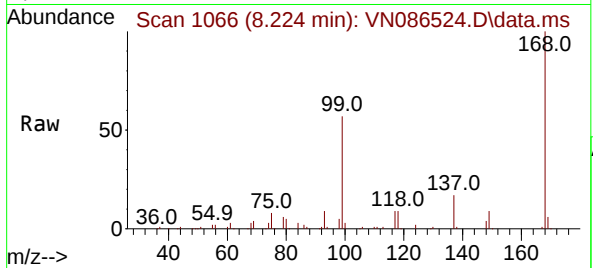




#1  
Pentafluorobenzene  
Concen: 50.000 ug/l  
RT: 8.224 min Scan# 1066  
Delta R.T. 0.006 min  
Lab File: VN086524.D  
Acq: 06 May 2025 19:00

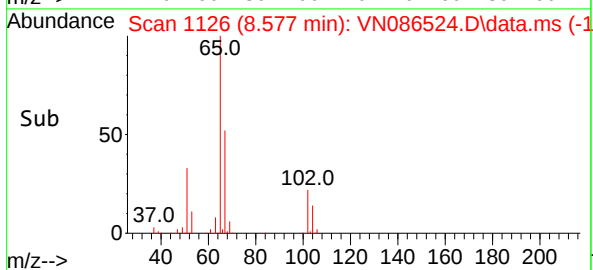
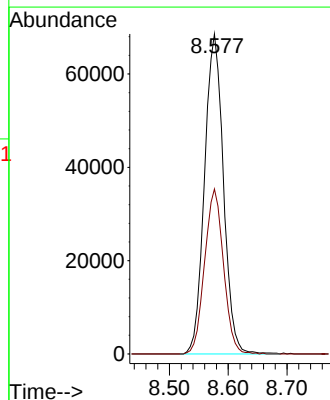
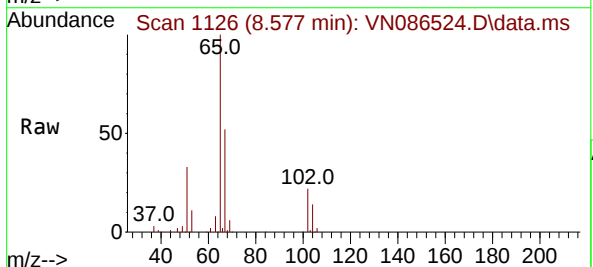
Instrument :  
MSVOA\_N  
ClientSampleId :  
IBLK

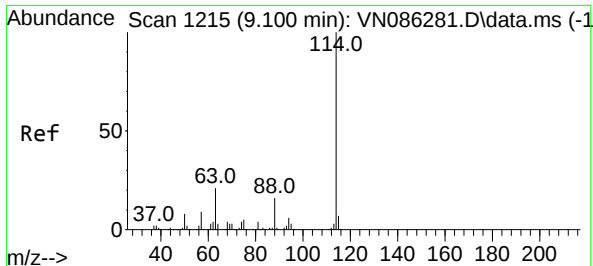
Tgt Ion:168 Resp: 233960  
Ion Ratio Lower Upper  
168 100  
99 56.9 52.5 78.7



#33  
1,2-Dichloroethane-d4  
Concen: 45.056 ug/l  
RT: 8.577 min Scan# 1126  
Delta R.T. -0.000 min  
Lab File: VN086524.D  
Acq: 06 May 2025 19:00

Tgt Ion: 65 Resp: 152858  
Ion Ratio Lower Upper  
65 100  
67 51.4 0.0 106.0

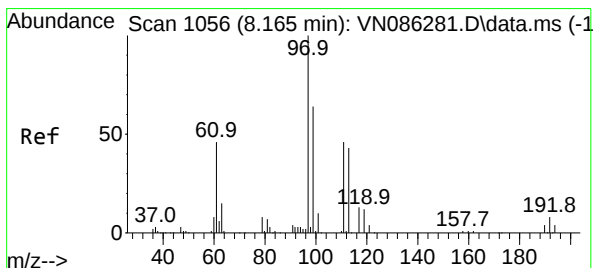
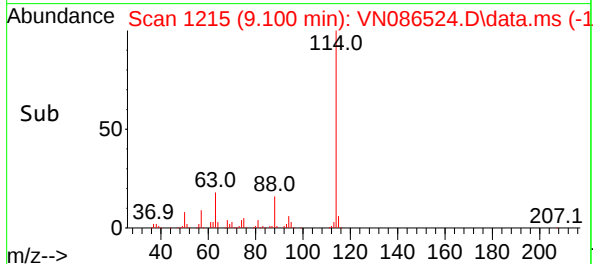
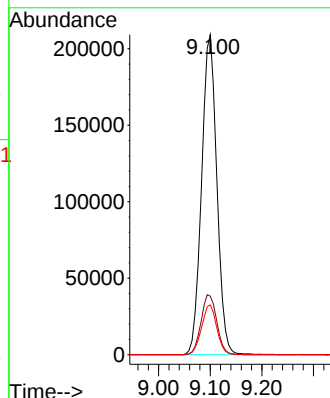
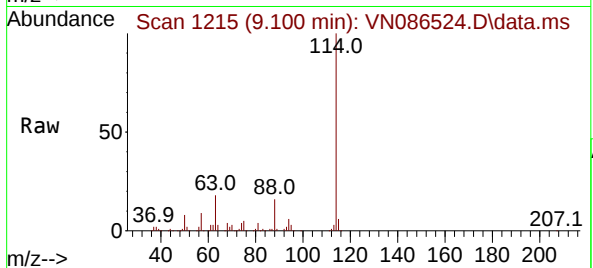




#34  
1,4-Difluorobenzene  
Concen: 50.000 ug/l  
RT: 9.100 min Scan# 11  
Delta R.T. -0.000 min  
Lab File: VN086524.D  
Acq: 06 May 2025 19:00

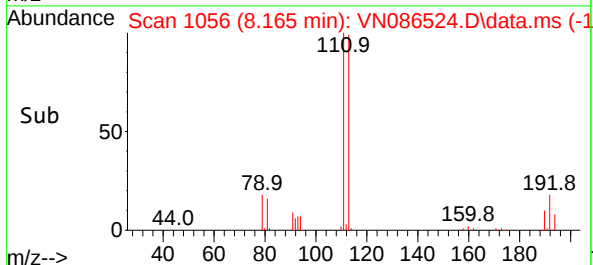
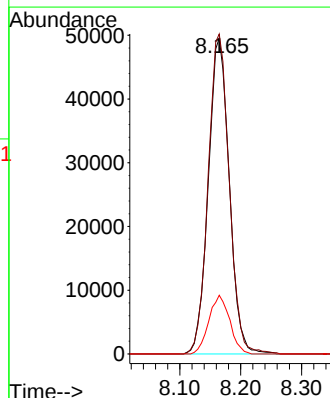
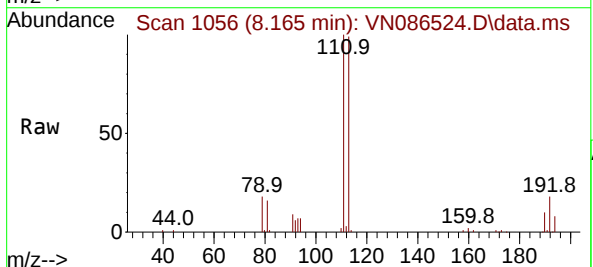
Instrument :  
MSVOA\_N  
ClientSampleId :  
IBLK

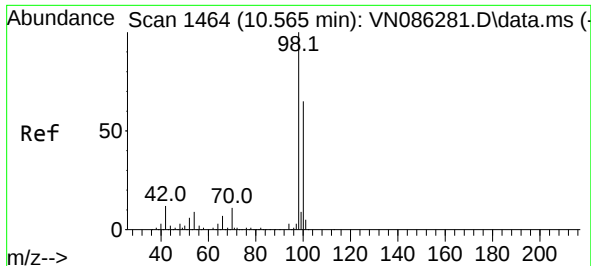
Tgt Ion:114 Resp: 428069  
Ion Ratio Lower Upper  
114 100  
63 18.3 0.0 42.6  
88 15.6 0.0 31.8



#35  
Dibromofluoromethane  
Concen: 59.601 ug/l  
RT: 8.165 min Scan# 1056  
Delta R.T. -0.000 min  
Lab File: VN086524.D  
Acq: 06 May 2025 19:00

Tgt Ion:113 Resp: 118410  
Ion Ratio Lower Upper  
113 100  
111 101.8 83.4 125.0  
192 18.5 13.7 20.5

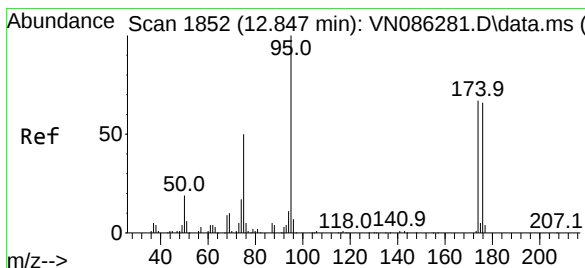
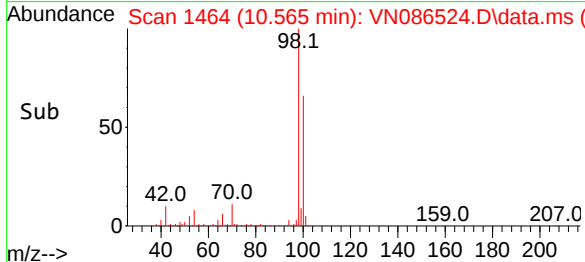
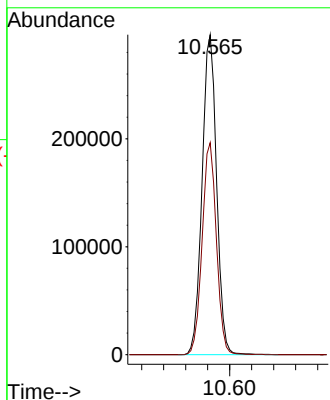
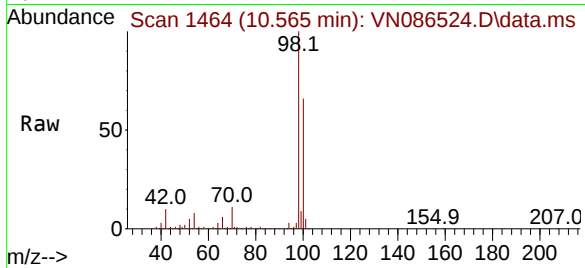




#50  
Toluene-d8  
Concen: 51.045 ug/l  
RT: 10.565 min Scan# 1464  
Delta R.T. -0.000 min  
Lab File: VN086524.D  
Acq: 06 May 2025 19:00

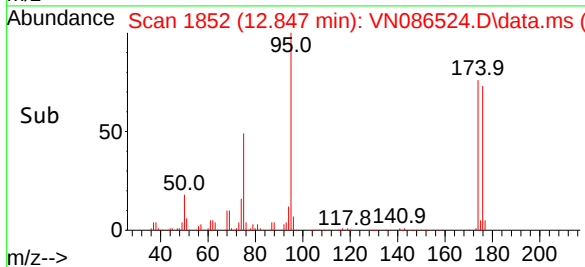
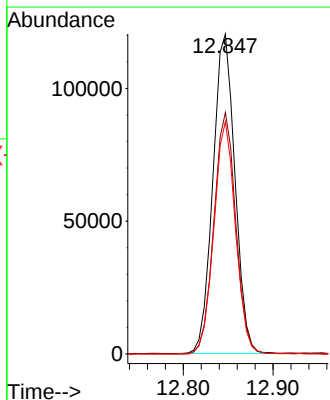
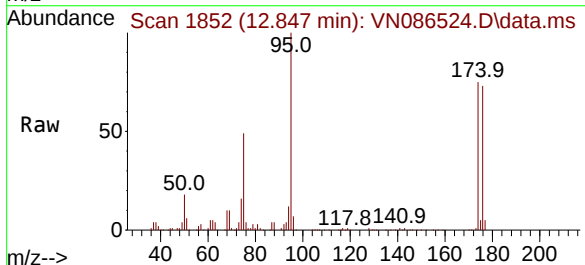
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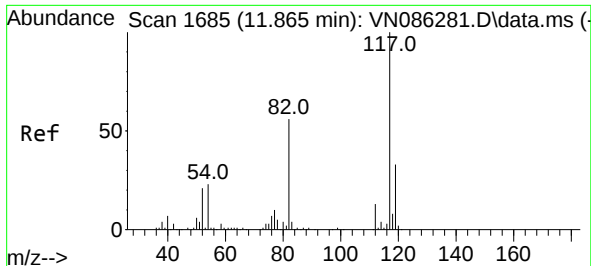
Tgt Ion: 98 Resp: 541992  
Ion Ratio Lower Upper  
98 100  
100 65.1 52.5 78.7



#62  
4-Bromofluorobenzene  
Concen: 53.041 ug/l  
RT: 12.847 min Scan# 1852  
Delta R.T. -0.000 min  
Lab File: VN086524.D  
Acq: 06 May 2025 19:00

Tgt Ion: 95 Resp: 205419  
Ion Ratio Lower Upper  
95 100  
174 74.9 0.0 133.4  
176 71.0 0.0 129.2

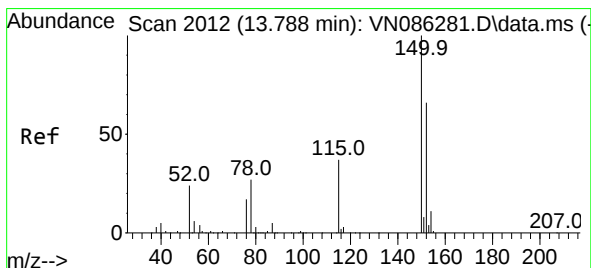
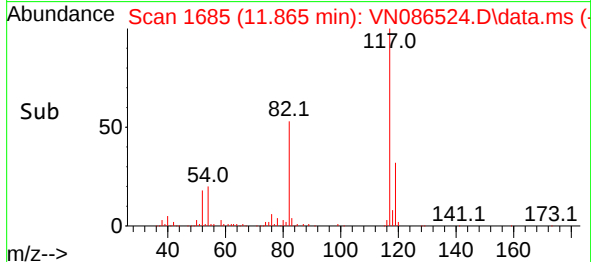
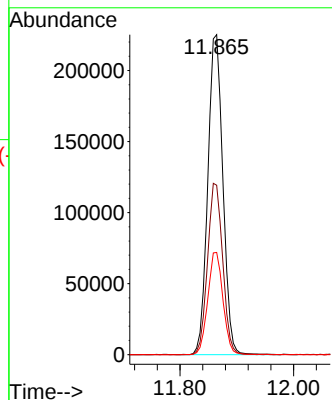
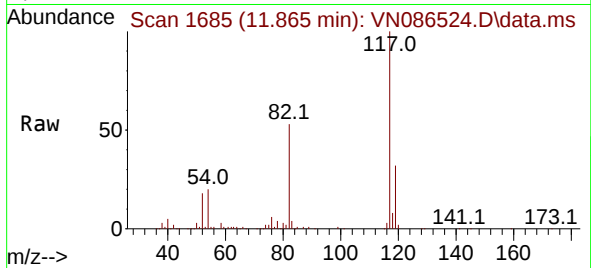




#63  
Chlorobenzene-d5  
Concen: 50.000 ug/l  
RT: 11.865 min Scan# 11  
Delta R.T. -0.000 min  
Lab File: VN086524.D  
Acq: 06 May 2025 19:00

Instrument :  
MSVOA\_N  
ClientSampleId :  
IBLK

Tgt Ion:117 Resp: 413426  
Ion Ratio Lower Upper  
117 100  
82 52.9 44.7 67.1  
119 32.0 26.4 39.6



#72  
1,4-Dichlorobenzene-d4  
Concen: 50.000 ug/l  
RT: 13.788 min Scan# 2012  
Delta R.T. -0.000 min  
Lab File: VN086524.D  
Acq: 06 May 2025 19:00

Tgt Ion:152 Resp: 189991  
Ion Ratio Lower Upper  
152 100  
115 59.7 31.9 95.9  
150 156.2 0.0 352.0

