

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_N\Data\VN062625\  
 Data File : VN087204.D  
 Acq On : 26 Jun 2025 18:59  
 Operator : JC\MD  
 Sample : IBLK  
 Misc : 5.0mL/MSVOA\_N/WATER  
 ALS Vial : 27 Sample Multiplier: 1

Instrument :  
 MSVOA\_N  
 ClientSampleId :  
 IBLK

Quant Time: Jun 27 05:56:02 2025  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_N\methods\82N062625W.M  
 Quant Title : SW846 8260  
 QLast Update : Fri Jun 27 05:55:21 2025  
 Response via : Initial Calibration

| Compound                   | R.T.   | QIon | Response | Conc   | Units | Dev(Min) |
|----------------------------|--------|------|----------|--------|-------|----------|
| -----                      |        |      |          |        |       |          |
| Internal Standards         |        |      |          |        |       |          |
| 1) Pentafluorobenzene      | 8.229  | 168  | 172164   | 50.000 | ug/l  | 0.00     |
| 34) 1,4-Difluorobenzene    | 9.106  | 114  | 357966   | 50.000 | ug/l  | 0.00     |
| 63) Chlorobenzene-d5       | 11.865 | 117  | 325700   | 50.000 | ug/l  | 0.00     |
| 72) 1,4-Dichlorobenzene-d4 | 13.788 | 152  | 148669   | 50.000 | ug/l  | 0.00     |

|                             |        |       |          |          |      |          |
|-----------------------------|--------|-------|----------|----------|------|----------|
| System Monitoring Compounds |        |       |          |          |      |          |
| 33) 1,2-Dichloroethane-d4   | 8.582  | 65    | 139802   | 56.426   | ug/l | 0.00     |
| Spiked Amount               | 50.000 | Range | 74 - 125 | Recovery | =    | 112.860% |
| 35) Dibromofluoromethane    | 8.171  | 113   | 108735   | 46.984   | ug/l | 0.00     |
| Spiked Amount               | 50.000 | Range | 75 - 124 | Recovery | =    | 93.960%  |
| 50) Toluene-d8              | 10.565 | 98    | 441509   | 46.127   | ug/l | 0.00     |
| Spiked Amount               | 50.000 | Range | 86 - 113 | Recovery | =    | 92.260%  |
| 62) 4-Bromofluorobenzene    | 12.847 | 95    | 147972   | 44.552   | ug/l | 0.00     |
| Spiked Amount               | 50.000 | Range | 77 - 121 | Recovery | =    | 89.100%  |

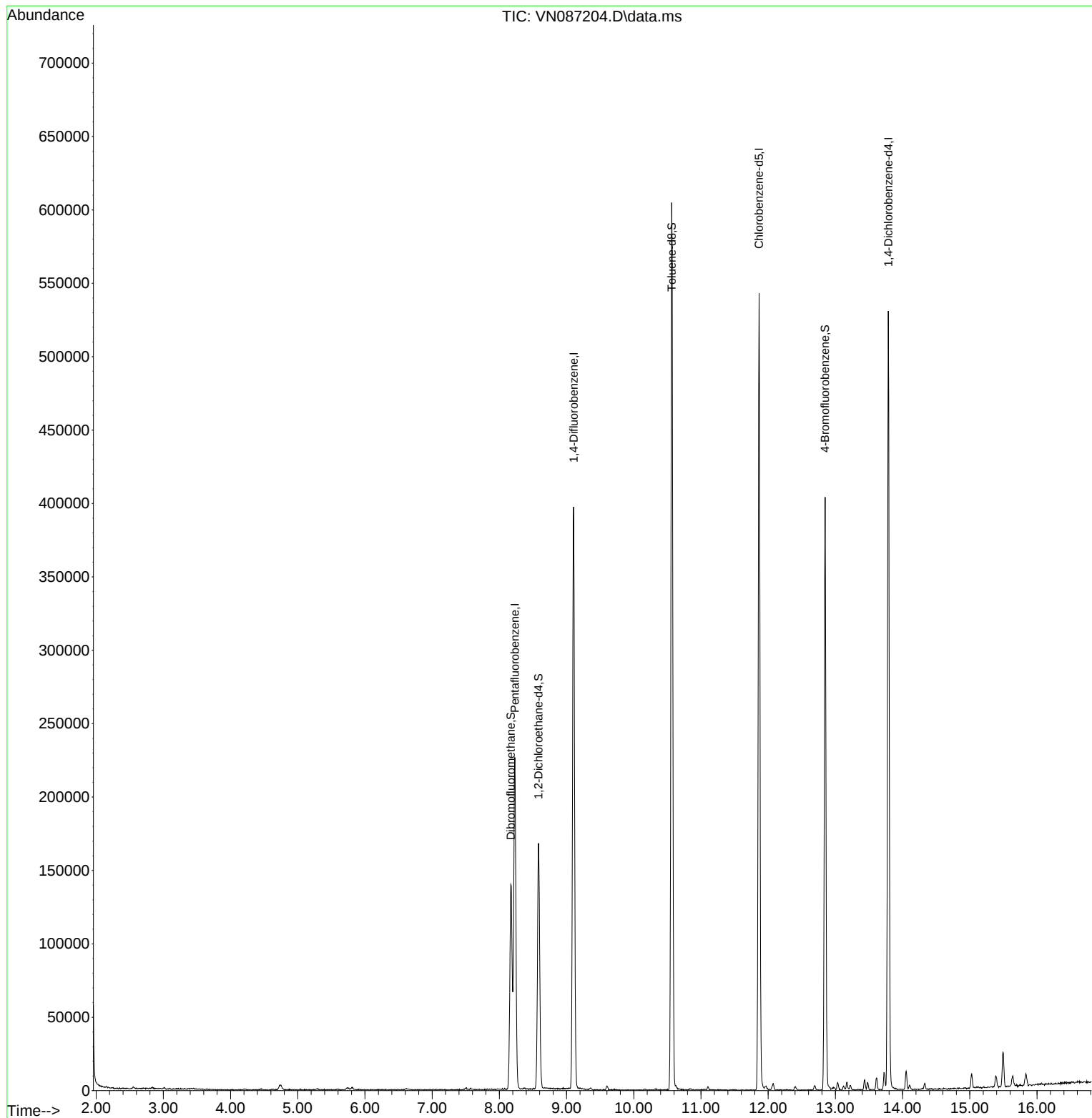
| Target Compounds | Qvalue |
|------------------|--------|
| -----            |        |

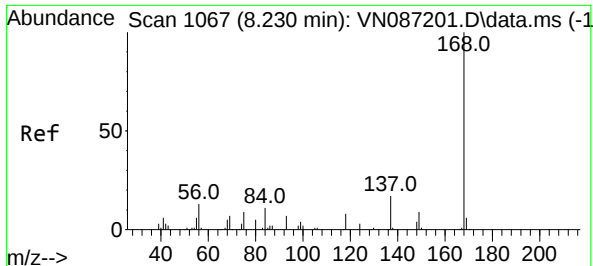
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : SW846 8260  
QLast Update : Fri Jun 27 05:55:21 2025  
Response via : Initial Calibration

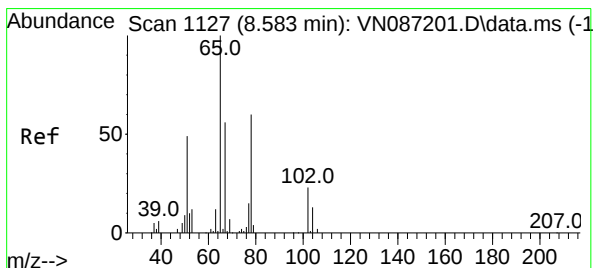
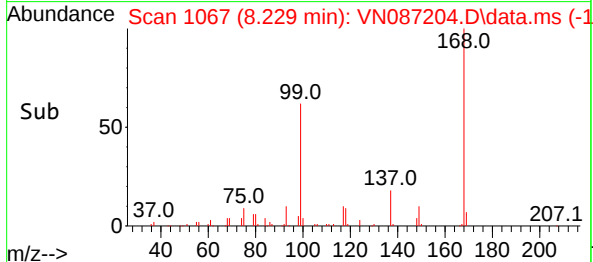
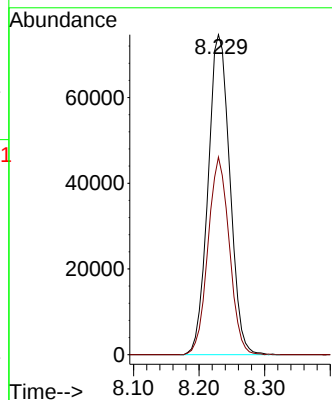
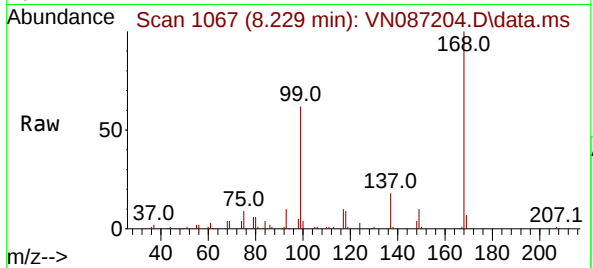




#1  
Pentafluorobenzene  
Concen: 50.000 ug/l  
RT: 8.229 min Scan# 1067  
Delta R.T. -0.001 min  
Lab File: VN087204.D  
Acq: 26 Jun 2025 18:59

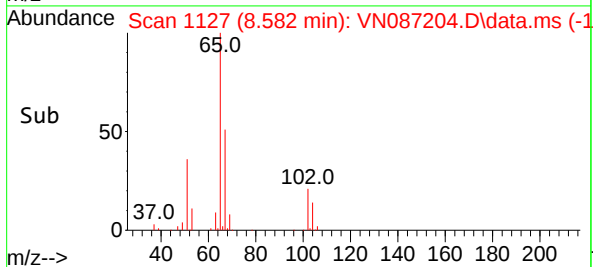
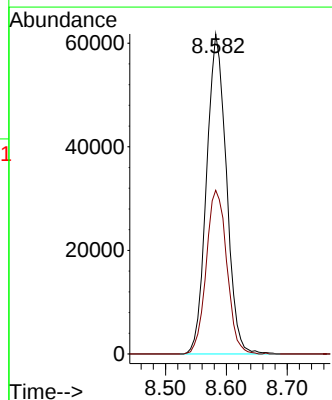
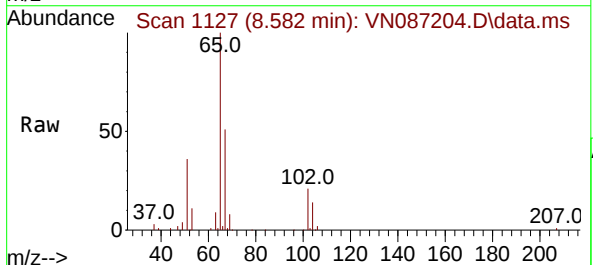
Instrument : MSVOA\_N  
ClientSampleId : IBLK

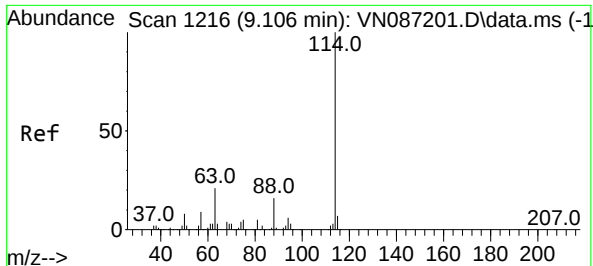
Tgt Ion:168 Resp: 172164  
Ion Ratio Lower Upper  
168 100  
99 61.7 47.9 71.9



#33  
1,2-Dichloroethane-d4  
Concen: 56.426 ug/l  
RT: 8.582 min Scan# 1127  
Delta R.T. -0.000 min  
Lab File: VN087204.D  
Acq: 26 Jun 2025 18:59

Tgt Ion: 65 Resp: 139802  
Ion Ratio Lower Upper  
65 100  
67 53.0 0.0 108.0





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 9.106 min Scan# 1

Delta R.T. -0.000 min

Lab File: VN087204.D

Acq: 26 Jun 2025 18:59

Instrument :

MSVOA\_N

ClientSampleId :

IBLK

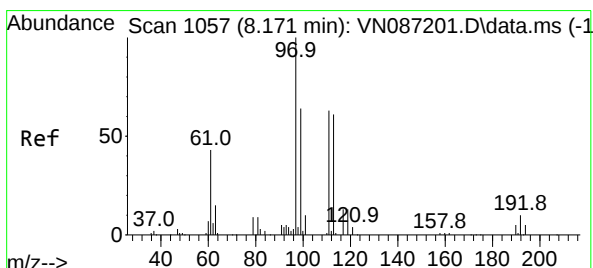
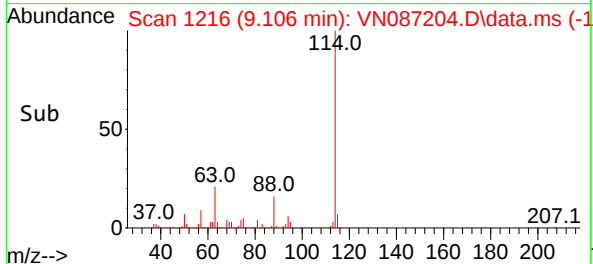
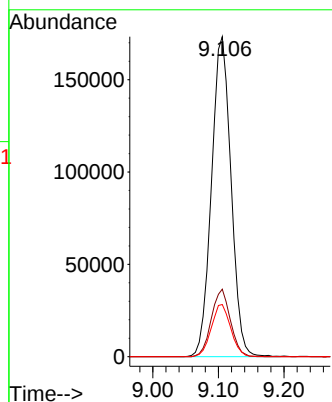
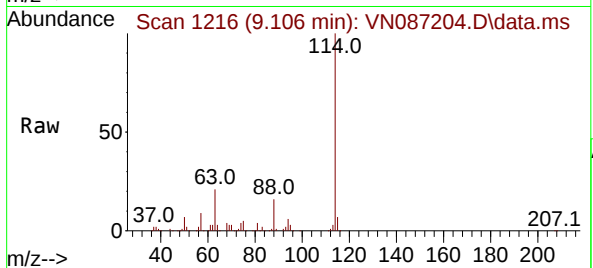
Tgt Ion:114 Resp: 357966

Ion Ratio Lower Upper

114 100

63 21.1 0.0 42.0

88 16.3 0.0 32.0



#35

Dibromofluoromethane

Concen: 46.984 ug/l

RT: 8.171 min Scan# 1057

Delta R.T. -0.000 min

Lab File: VN087204.D

Acq: 26 Jun 2025 18:59

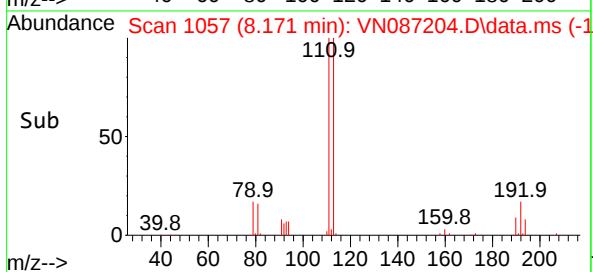
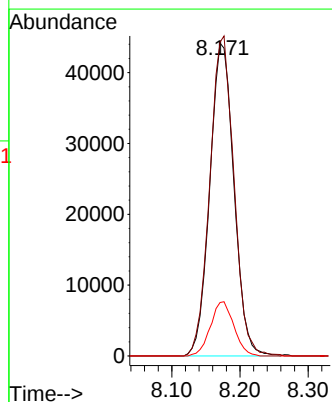
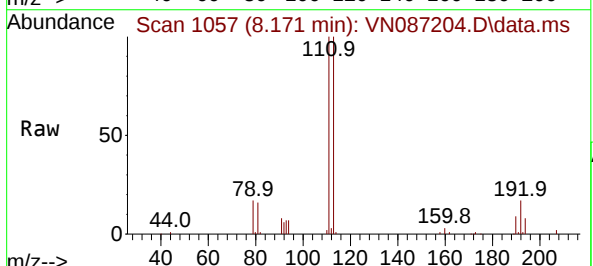
Tgt Ion:113 Resp: 108735

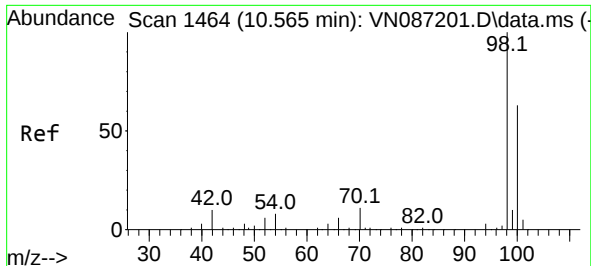
Ion Ratio Lower Upper

113 100

111 102.4 82.6 124.0

192 16.9 13.5 20.3

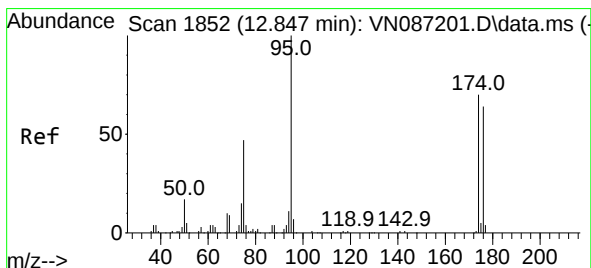
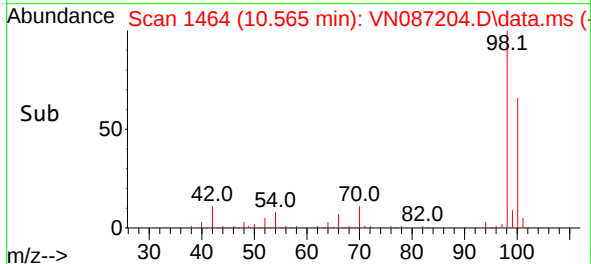
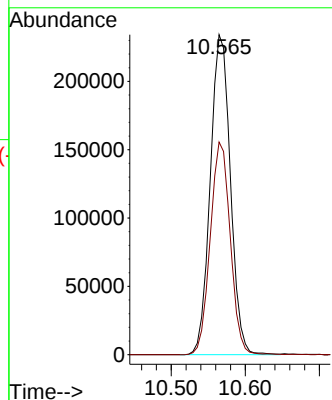
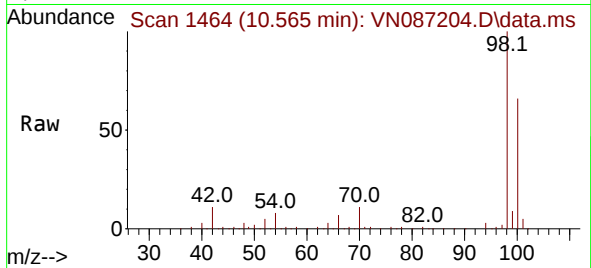




#50  
Toluene-d8  
Concen: 46.127 ug/l  
RT: 10.565 min Scan# 1464  
Delta R.T. -0.000 min  
Lab File: VN087204.D  
Acq: 26 Jun 2025 18:59

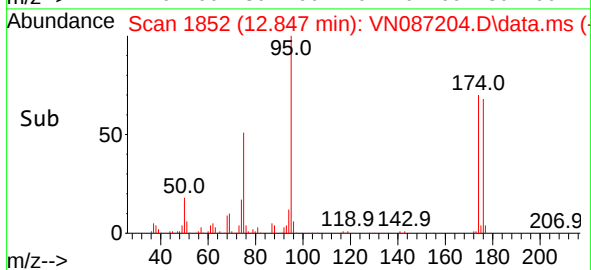
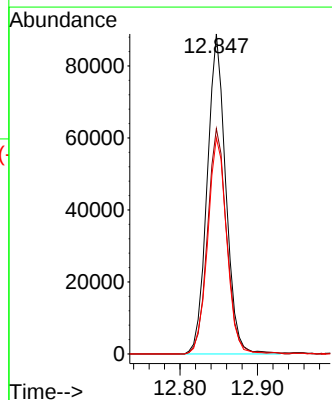
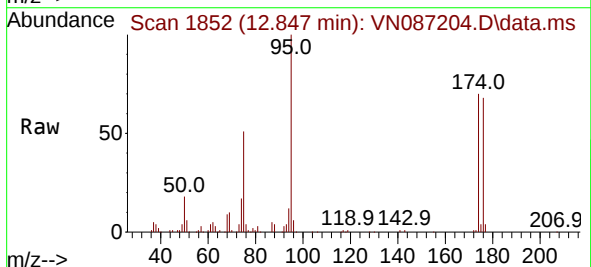
Instrument :  
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ClientSampleId :  
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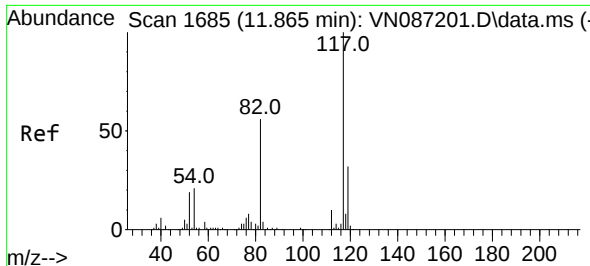
Tgt Ion: 98 Resp: 441509  
Ion Ratio Lower Upper  
98 100  
100 66.0 52.7 79.1



#62  
4-Bromofluorobenzene  
Concen: 44.552 ug/l  
RT: 12.847 min Scan# 1852  
Delta R.T. -0.000 min  
Lab File: VN087204.D  
Acq: 26 Jun 2025 18:59

Tgt Ion: 95 Resp: 147972  
Ion Ratio Lower Upper  
95 100  
174 72.6 0.0 142.2  
176 68.9 0.0 134.8

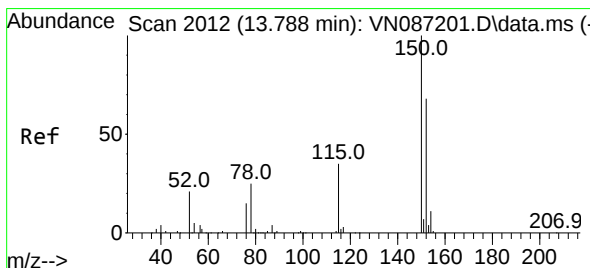
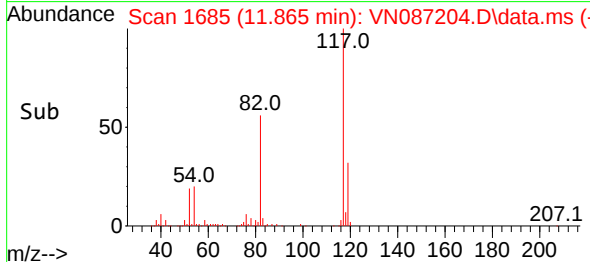
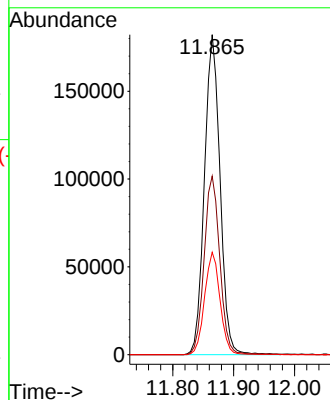
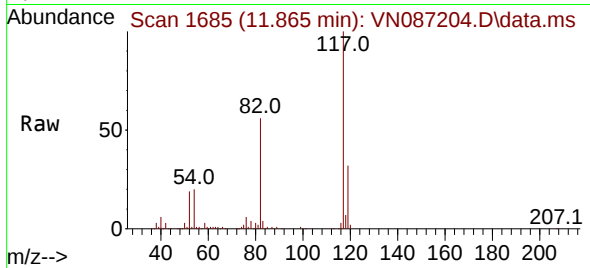




#63  
Chlorobenzene-d5  
Concen: 50.000 ug/l  
RT: 11.865 min Scan# 117  
Delta R.T. -0.000 min  
Lab File: VN087204.D  
Acq: 26 Jun 2025 18:59

Instrument :  
MSVOA\_N  
ClientSampleId :  
IBLK

Tgt Ion:117 Resp: 325700  
Ion Ratio Lower Upper  
117 100  
82 55.8 45.0 67.4  
119 32.0 25.9 38.9



#72  
1,4-Dichlorobenzene-d4  
Concen: 50.000 ug/l  
RT: 13.788 min Scan# 2012  
Delta R.T. -0.000 min  
Lab File: VN087204.D  
Acq: 26 Jun 2025 18:59

Tgt Ion:152 Resp: 148669  
Ion Ratio Lower Upper  
152 100  
115 60.4 30.6 91.8  
150 160.3 0.0 347.8

