

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_N\Data\VN062425\  
 Data File : VN087150.D  
 Acq On : 24 Jun 2025 12:44  
 Operator : JC\MD  
 Sample : VN0624WBL01  
 Misc : 5.0mL/MSVOA\_N/WATER  
 ALS Vial : 3 Sample Multiplier: 1

Instrument :  
 MSVOA\_N  
 ClientSampleId :  
 VN0624WBL01

Quant Time: Jun 25 04:14:24 2025  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_N\methods\82N060625W.M  
 Quant Title : SW846 8260  
 QLast Update : Sat Jun 07 02:12:50 2025  
 Response via : Initial Calibration

| Compound                   | R.T.   | QIon | Response | Conc   | Units | Dev(Min) |
|----------------------------|--------|------|----------|--------|-------|----------|
| -----                      |        |      |          |        |       |          |
| Internal Standards         |        |      |          |        |       |          |
| 1) Pentafluorobenzene      | 8.230  | 168  | 149121   | 50.000 | ug/l  | 0.00     |
| 34) 1,4-Difluorobenzene    | 9.106  | 114  | 287883   | 50.000 | ug/l  | 0.00     |
| 63) Chlorobenzene-d5       | 11.865 | 117  | 275522   | 50.000 | ug/l  | 0.00     |
| 72) 1,4-Dichlorobenzene-d4 | 13.788 | 152  | 132163   | 50.000 | ug/l  | 0.00     |

|                             |        |       |          |          |      |          |
|-----------------------------|--------|-------|----------|----------|------|----------|
| System Monitoring Compounds |        |       |          |          |      |          |
| 33) 1,2-Dichloroethane-d4   | 8.582  | 65    | 112496   | 56.345   | ug/l | 0.00     |
| Spiked Amount               | 50.000 | Range | 74 - 125 | Recovery | =    | 112.680% |
| 35) Dibromofluoromethane    | 8.171  | 113   | 90627    | 53.121   | ug/l | 0.00     |
| Spiked Amount               | 50.000 | Range | 75 - 124 | Recovery | =    | 106.240% |
| 50) Toluene-d8              | 10.565 | 98    | 357644   | 52.954   | ug/l | 0.00     |
| Spiked Amount               | 50.000 | Range | 86 - 113 | Recovery | =    | 105.900% |
| 62) 4-Bromofluorobenzene    | 12.847 | 95    | 131459   | 52.390   | ug/l | 0.00     |
| Spiked Amount               | 50.000 | Range | 77 - 121 | Recovery | =    | 104.780% |

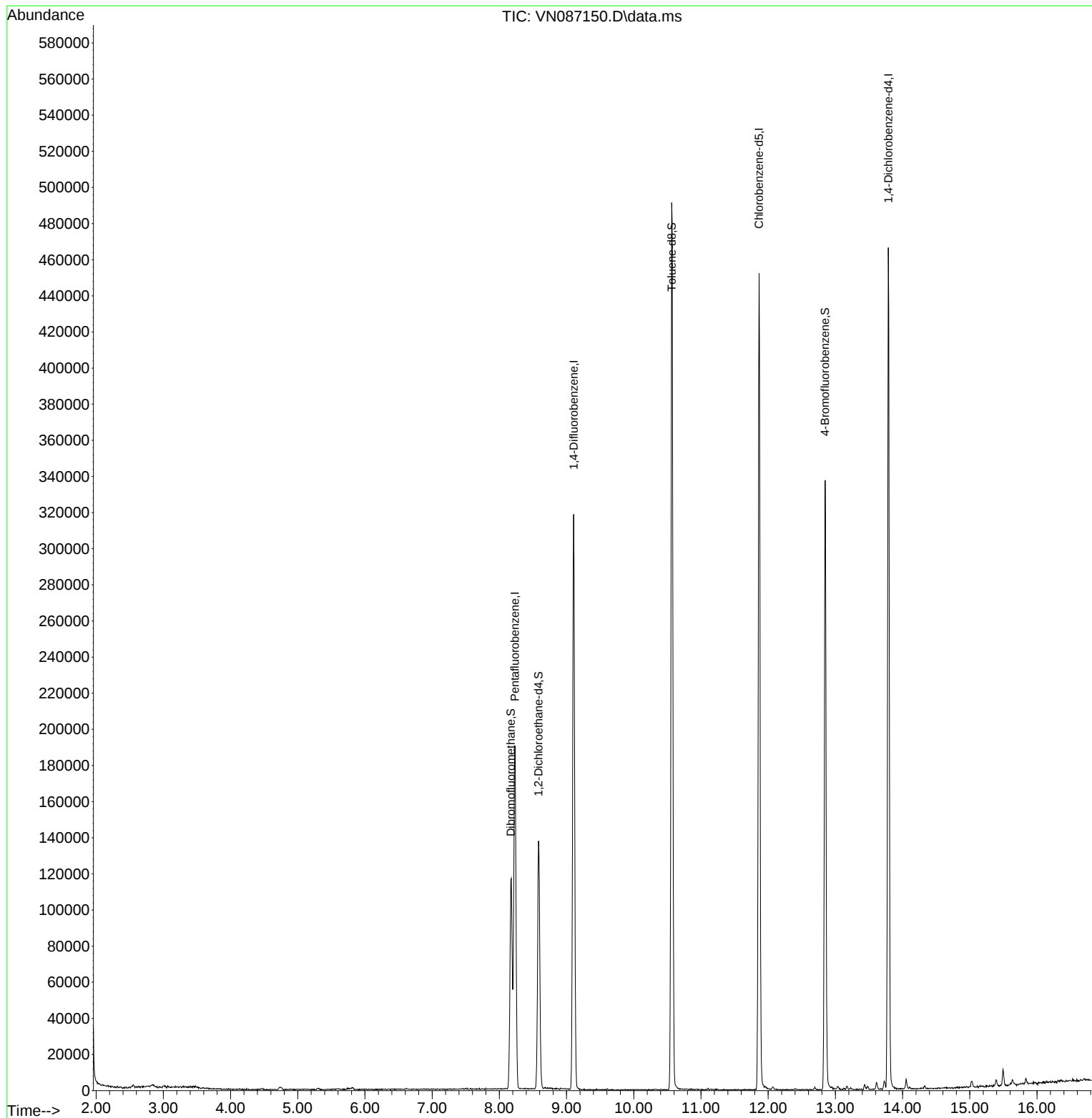
| Target Compounds | Qvalue |
|------------------|--------|
| -----            |        |

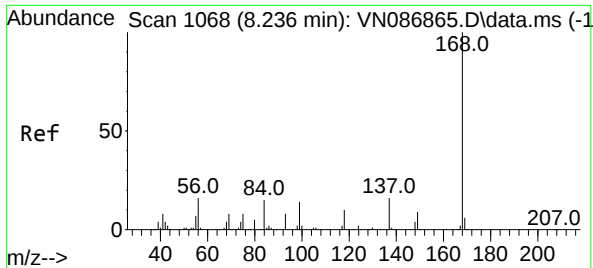
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : SW846 8260  
QLast Update : Sat Jun 07 02:12:50 2025  
Response via : Initial Calibration

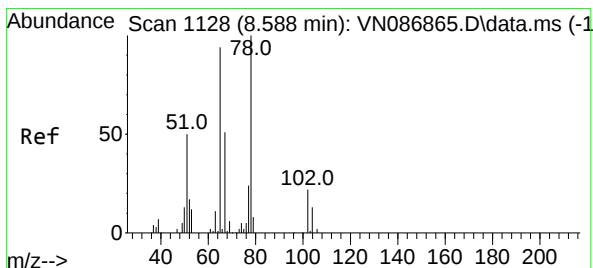
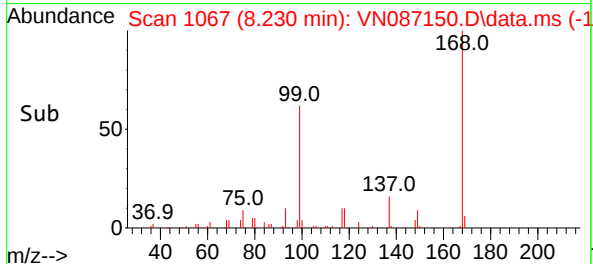
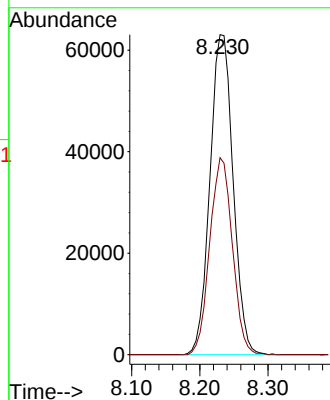
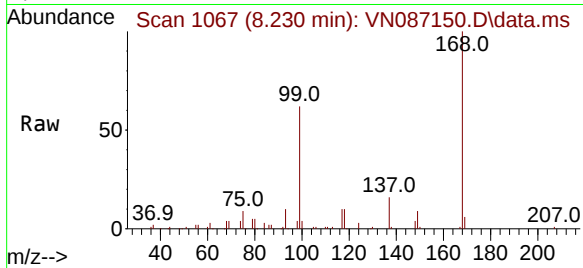




#1  
Pentafluorobenzene  
Concen: 50.000 ug/l  
RT: 8.230 min Scan# 1068  
Delta R.T. -0.006 min  
Lab File: VN087150.D  
Acq: 24 Jun 2025 12:44

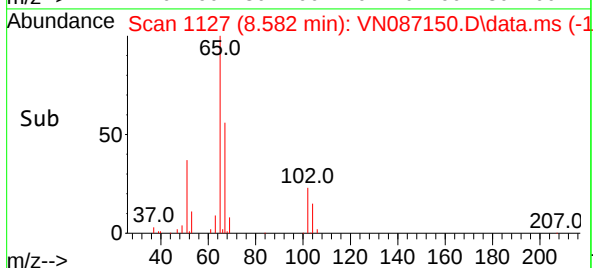
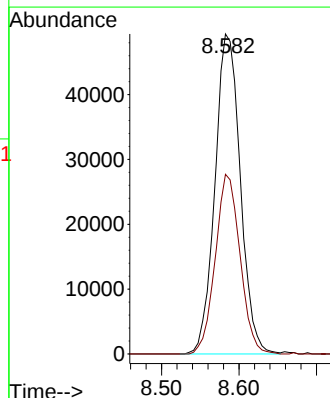
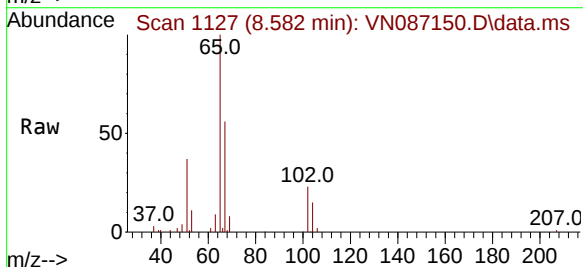
Instrument :  
MSVOA\_N  
ClientSampleId :  
VN0624WBL01

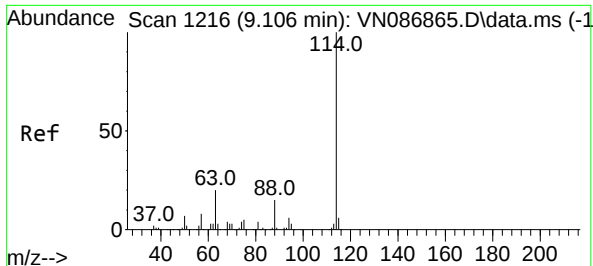
Tgt Ion:168 Resp: 149121  
Ion Ratio Lower Upper  
168 100  
99 61.6 49.1 73.7



#33  
1,2-Dichloroethane-d4  
Concen: 56.345 ug/l  
RT: 8.582 min Scan# 1127  
Delta R.T. -0.006 min  
Lab File: VN087150.D  
Acq: 24 Jun 2025 12:44

Tgt Ion: 65 Resp: 112496  
Ion Ratio Lower Upper  
65 100  
67 54.7 0.0 105.6





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 9.106 min Scan# 1

Delta R.T. -0.000 min

Lab File: VN087150.D

Acq: 24 Jun 2025 12:44

Instrument :

MSVOA\_N

ClientSampleId :

VN0624WBL01

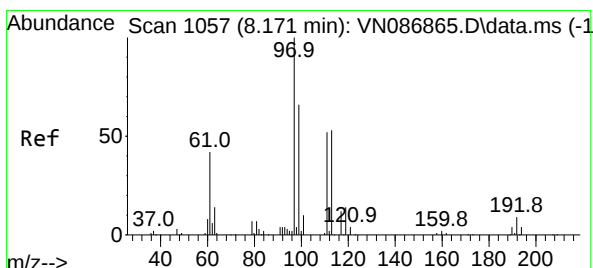
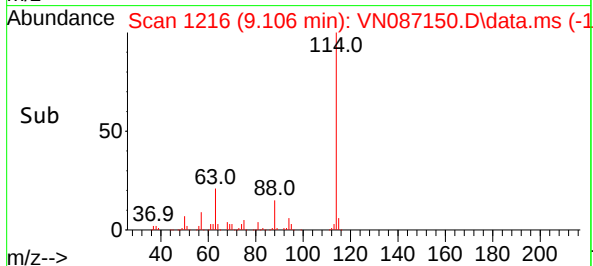
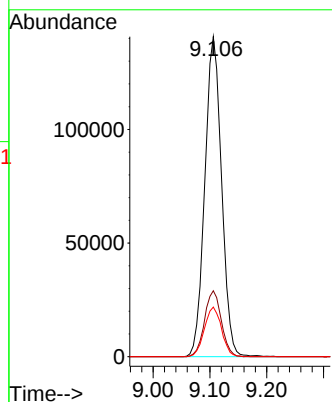
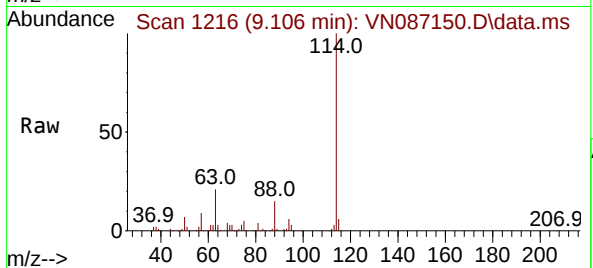
Tgt Ion:114 Resp: 287883

Ion Ratio Lower Upper

114 100

63 20.6 0.0 39.6

88 15.5 0.0 30.2



#35

Dibromofluoromethane

Concen: 53.121 ug/l

RT: 8.171 min Scan# 1057

Delta R.T. -0.000 min

Lab File: VN087150.D

Acq: 24 Jun 2025 12:44

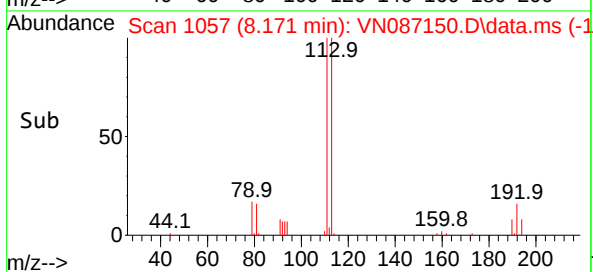
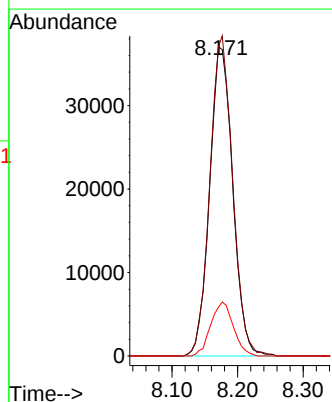
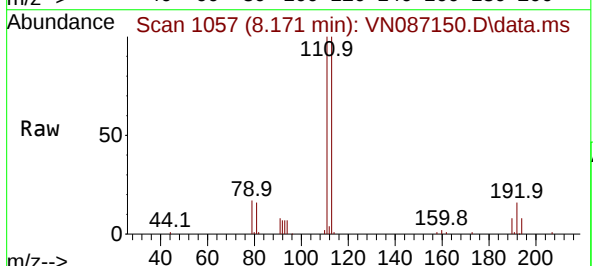
Tgt Ion:113 Resp: 90627

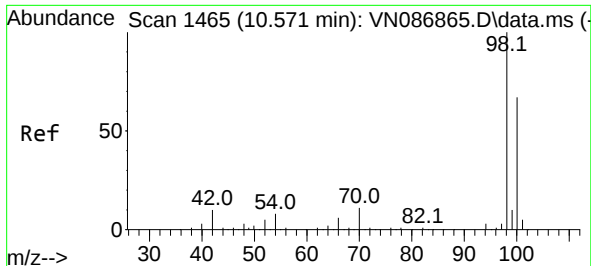
Ion Ratio Lower Upper

113 100

111 102.2 84.2 126.2

192 17.1 14.2 21.4

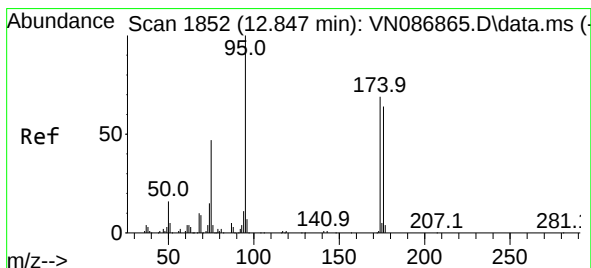
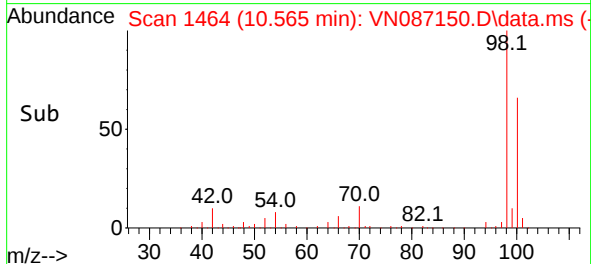
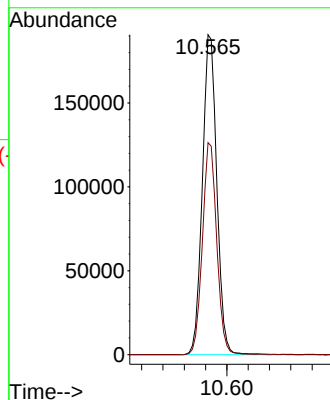
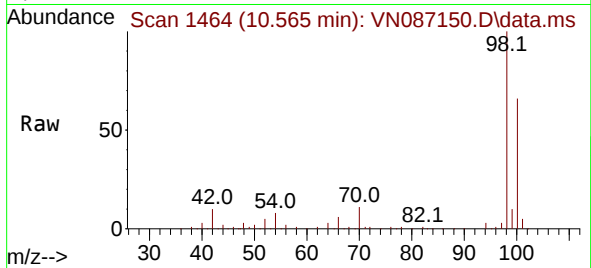




#50  
Toluene-d8  
Concen: 52.954 ug/l  
RT: 10.565 min Scan# 1464  
Delta R.T. -0.006 min  
Lab File: VN087150.D  
Acq: 24 Jun 2025 12:44

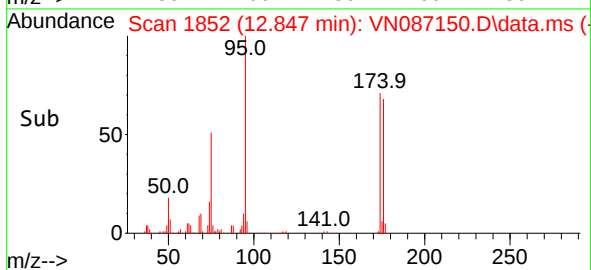
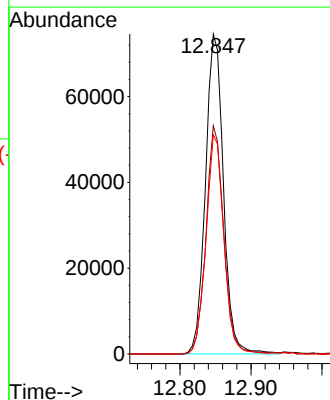
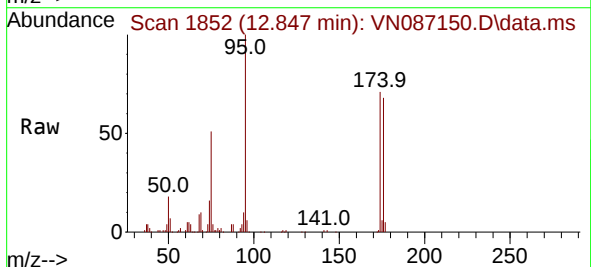
Instrument :  
MSVOA\_N  
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VN0624WBL01

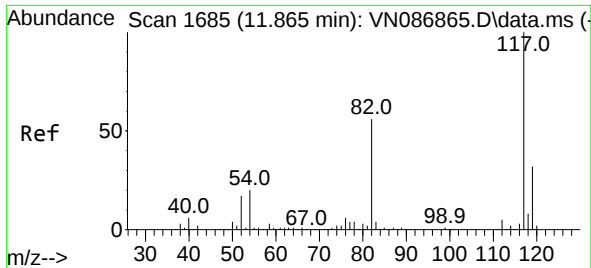
Tgt Ion: 98 Resp: 357644  
Ion Ratio Lower Upper  
98 100  
100 65.8 53.4 80.0



#62  
4-Bromofluorobenzene  
Concen: 52.390 ug/l  
RT: 12.847 min Scan# 1852  
Delta R.T. -0.000 min  
Lab File: VN087150.D  
Acq: 24 Jun 2025 12:44

Tgt Ion: 95 Resp: 131459  
Ion Ratio Lower Upper  
95 100  
174 70.6 0.0 141.8  
176 67.7 0.0 132.6

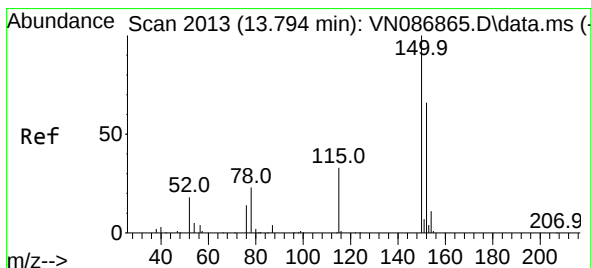
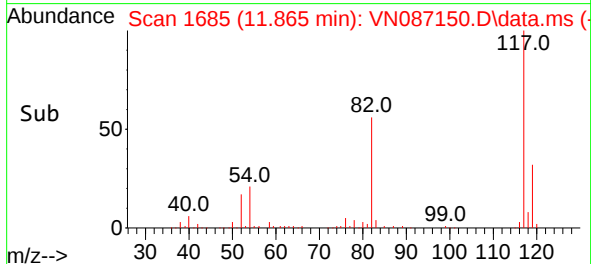
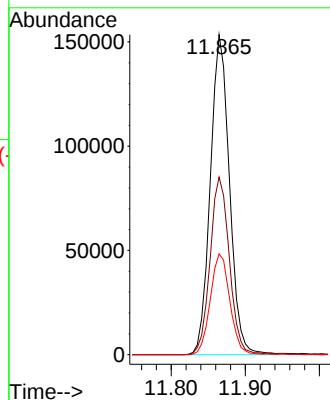
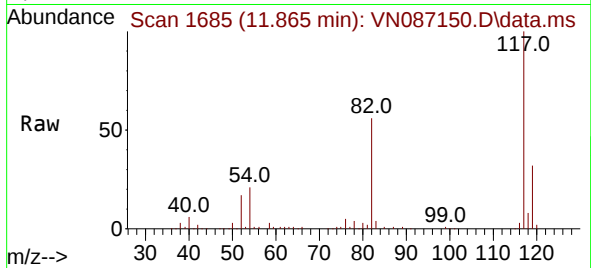




#63  
Chlorobenzene-d5  
Concen: 50.000 ug/l  
RT: 11.865 min Scan# 11  
Delta R.T. -0.000 min  
Lab File: VN087150.D  
Acq: 24 Jun 2025 12:44

Instrument :  
MSVOA\_N  
ClientSampleId :  
VN0624WBL01

Tgt Ion:117 Resp: 275522  
Ion Ratio Lower Upper  
117 100  
82 55.5 44.6 67.0  
119 31.5 25.5 38.3



#72  
1,4-Dichlorobenzene-d4  
Concen: 50.000 ug/l  
RT: 13.788 min Scan# 2012  
Delta R.T. -0.006 min  
Lab File: VN087150.D  
Acq: 24 Jun 2025 12:44

Tgt Ion:152 Resp: 132163  
Ion Ratio Lower Upper  
152 100  
115 59.5 30.1 90.5  
150 157.5 0.0 345.0

