

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_N\Data\VN062025\  
 Data File : VN087141.D  
 Acq On : 20 Jun 2025 15:50  
 Operator : JC\MD  
 Sample : Q2355-01  
 Misc : 1.00g/10mL/100uL/5.00mL/MSVOA\_N/MEOH  
 ALS Vial : 21 Sample Multiplier: 1

Instrument :  
 MSVOA\_N  
 ClientSampleId :  
 3897

Quant Time: Jun 20 23:08:43 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

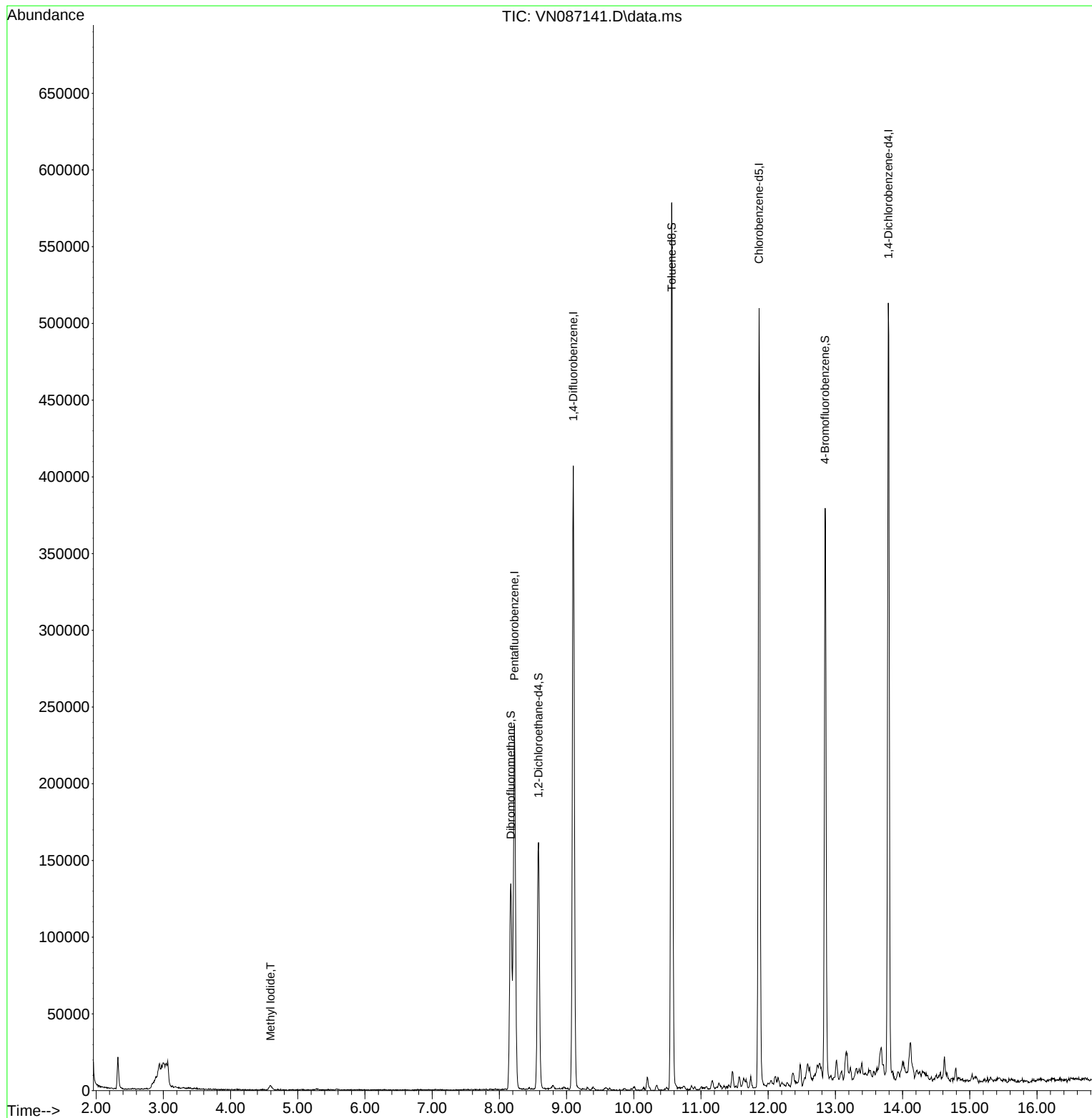
| Compound                    | R.T.   | QIon  | Response | Conc     | Units | Dev(Min) |
|-----------------------------|--------|-------|----------|----------|-------|----------|
| -----                       |        |       |          |          |       |          |
| Internal Standards          |        |       |          |          |       |          |
| 1) Pentafluorobenzene       | 8.224  | 168   | 180643   | 50.000   | ug/l  | -0.01    |
| 34) 1,4-Difluorobenzene     | 9.100  | 114   | 377941   | 50.000   | ug/l  | 0.00     |
| 63) Chlorobenzene-d5        | 11.865 | 117   | 326455   | 50.000   | ug/l  | 0.00     |
| 72) 1,4-Dichlorobenzene-d4  | 13.788 | 152   | 154668   | 50.000   | ug/l  | 0.00     |
| System Monitoring Compounds |        |       |          |          |       |          |
| 33) 1,2-Dichloroethane-d4   | 8.582  | 65    | 130607   | 54.001   | ug/l  | 0.00     |
| Spiked Amount               | 50.000 | Range | 74 - 125 | Recovery | =     | 108.000% |
| 35) Dibromofluoromethane    | 8.171  | 113   | 104571   | 46.688   | ug/l  | 0.00     |
| Spiked Amount               | 50.000 | Range | 75 - 124 | Recovery | =     | 93.380%  |
| 50) Toluene-d8              | 10.565 | 98    | 427998   | 48.271   | ug/l  | 0.00     |
| Spiked Amount               | 50.000 | Range | 86 - 113 | Recovery | =     | 96.540%  |
| 62) 4-Bromofluorobenzene    | 12.847 | 95    | 150793   | 45.775   | ug/l  | 0.00     |
| Spiked Amount               | 50.000 | Range | 77 - 121 | Recovery | =     | 91.560%  |
| Target Compounds            |        |       |          |          |       |          |
|                             |        |       |          |          |       | Qvalue   |
| 10) Methyl Iodide           | 4.594  | 142   | 6171     | 2.417    | ug/l  | # 93     |
| -----                       |        |       |          |          |       |          |

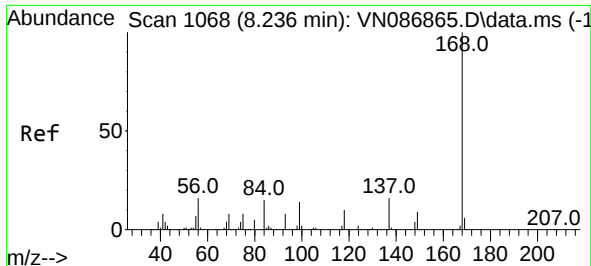
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Instrument :  
MSVOA\_N  
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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

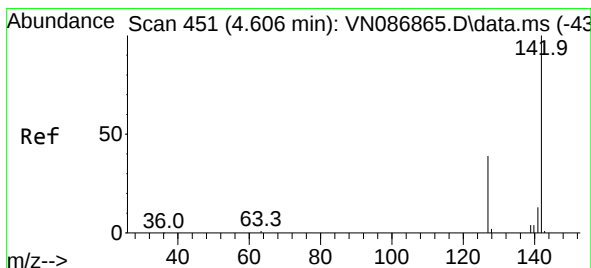
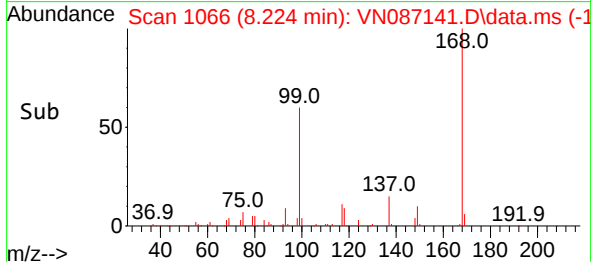
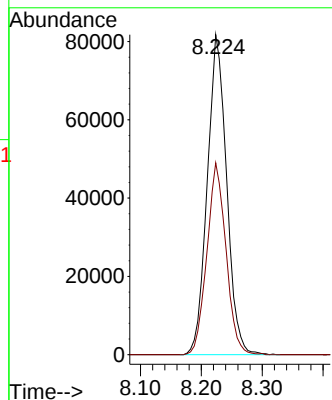
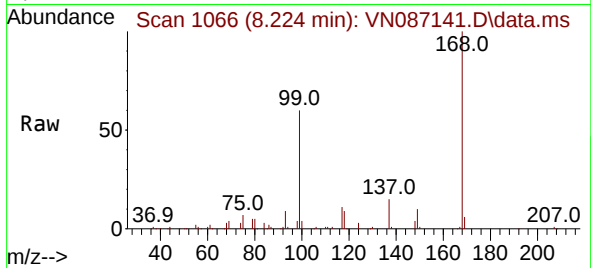




#1  
Pentafluorobenzene  
Concen: 50.000 ug/l  
RT: 8.224 min Scan# 1066  
Delta R.T. -0.012 min  
Lab File: VN087141.D  
Acq: 20 Jun 2025 15:50

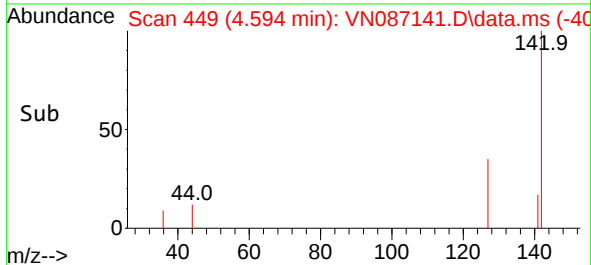
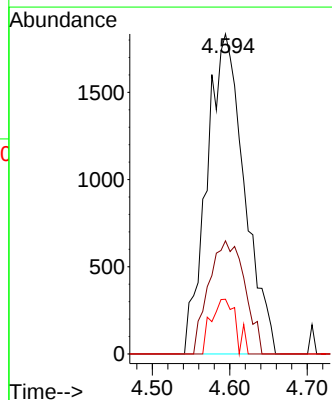
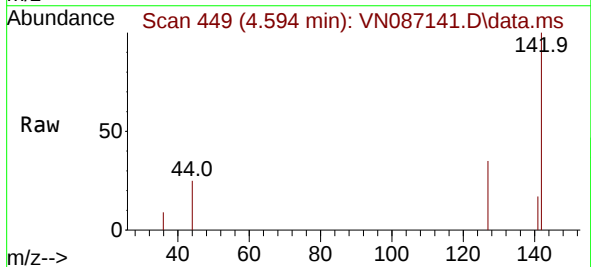
Instrument :  
MSVOA\_N  
ClientSampleId :  
3897

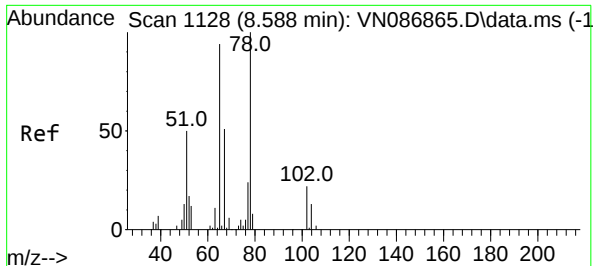
Tgt Ion:168 Resp: 180643  
Ion Ratio Lower Upper  
168 100  
99 59.9 49.1 73.7



#10  
Methyl Iodide  
Concen: 2.417 ug/l  
RT: 4.594 min Scan# 449  
Delta R.T. -0.012 min  
Lab File: VN087141.D  
Acq: 20 Jun 2025 15:50

Tgt Ion:142 Resp: 6171  
Ion Ratio Lower Upper  
142 100  
127 35.4 30.9 46.3  
141 17.1 10.4 15.6#





#33

1,2-Dichloroethane-d4

Concen: 54.001 ug/l

RT: 8.582 min Scan# 1128

Delta R.T. -0.006 min

Lab File: VN087141.D

Acq: 20 Jun 2025 15:50

Instrument :

MSVOA\_N

ClientSampleId :

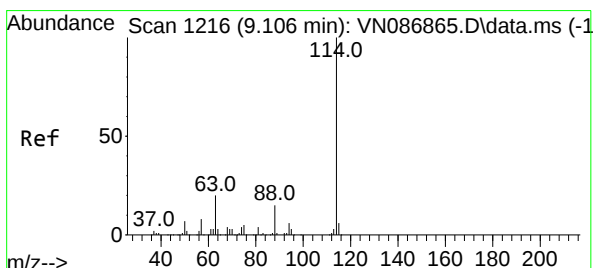
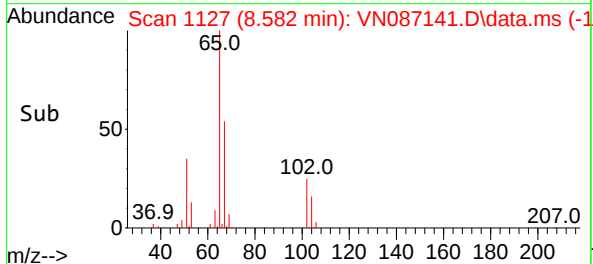
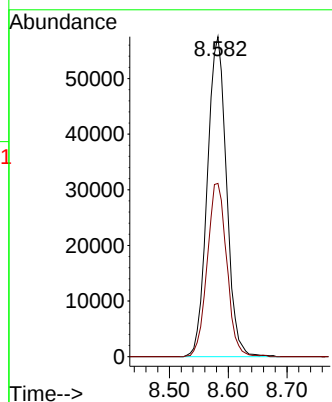
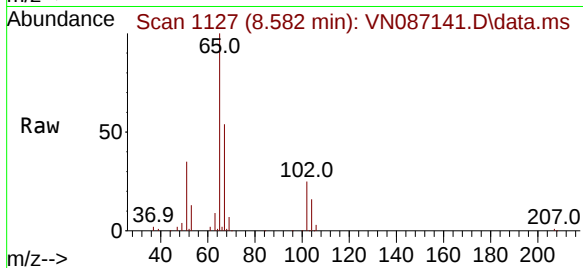
3897

Tgt Ion: 65 Resp: 130607

Ion Ratio Lower Upper

65 100

67 55.2 0.0 105.6



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 9.100 min Scan# 1215

Delta R.T. -0.006 min

Lab File: VN087141.D

Acq: 20 Jun 2025 15:50

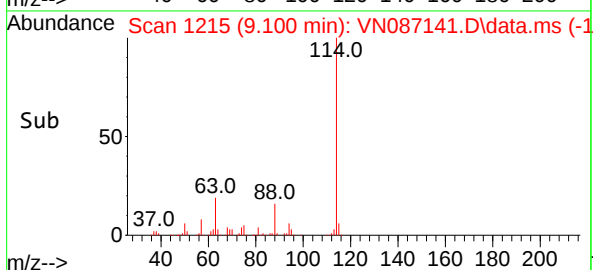
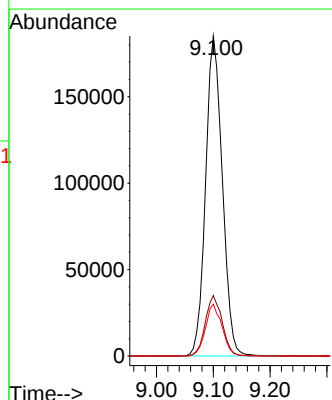
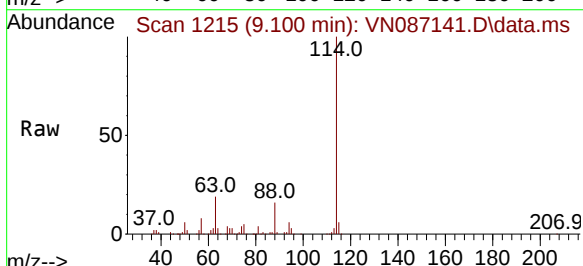
Tgt Ion: 114 Resp: 377941

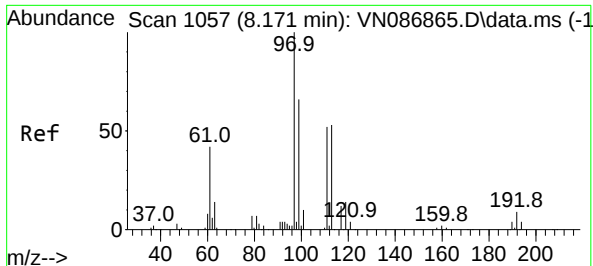
Ion Ratio Lower Upper

114 100

63 18.9 0.0 39.6

88 16.2 0.0 30.2





#35

Dibromofluoromethane

Concen: 46.688 ug/l

RT: 8.171 min Scan# 1057

Delta R.T. -0.000 min

Lab File: VN087141.D

Acq: 20 Jun 2025 15:50

Instrument :

MSVOA\_N

ClientSampleId :

3897

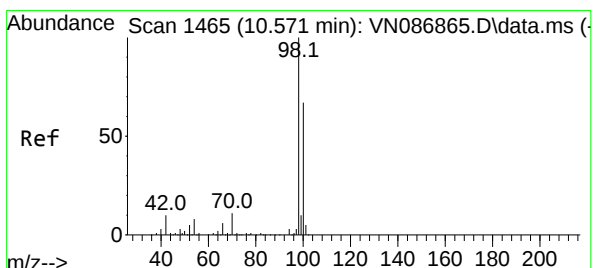
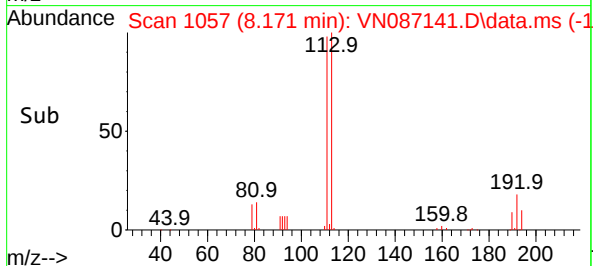
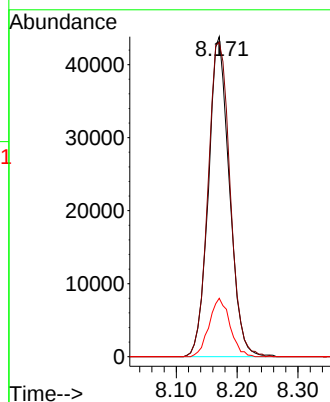
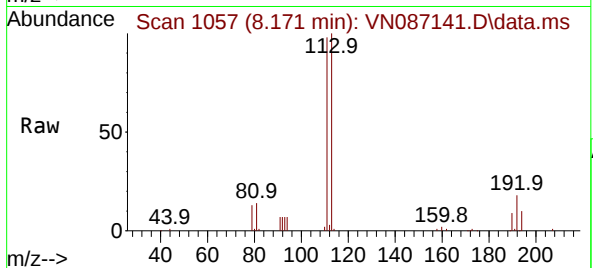
Tgt Ion:113 Resp: 104571

Ion Ratio Lower Upper

113 100

111 103.5 84.2 126.2

192 18.2 14.2 21.4



#50

Toluene-d8

Concen: 48.271 ug/l

RT: 10.565 min Scan# 1464

Delta R.T. -0.006 min

Lab File: VN087141.D

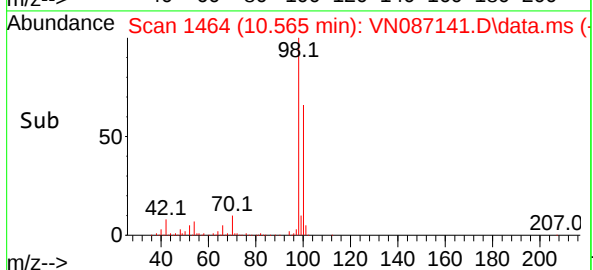
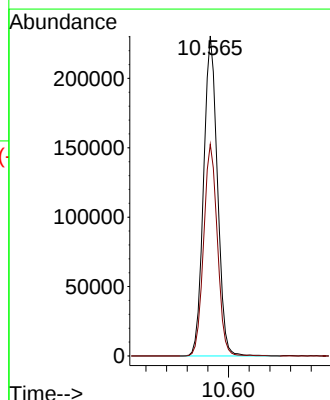
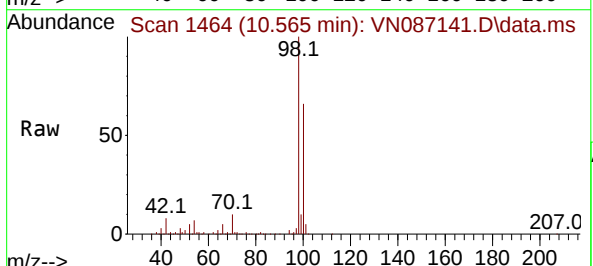
Acq: 20 Jun 2025 15:50

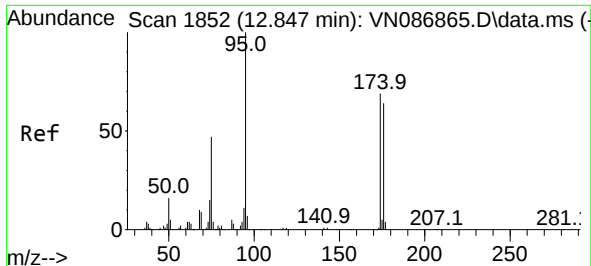
Tgt Ion: 98 Resp: 427998

Ion Ratio Lower Upper

98 100

100 65.7 53.4 80.0

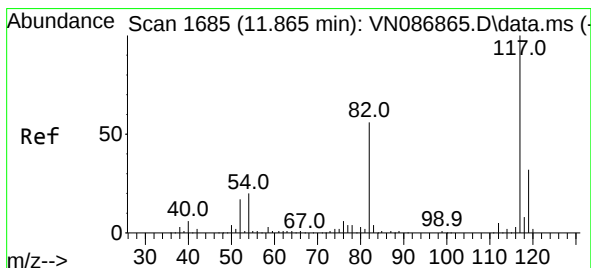
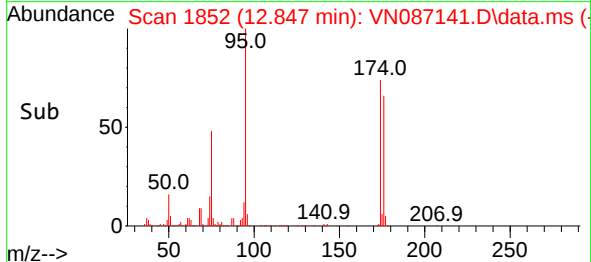
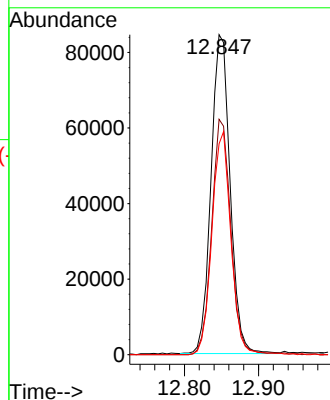
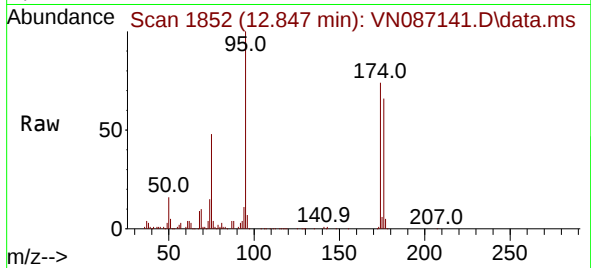




#62  
4-Bromofluorobenzene  
Concen: 45.775 ug/l  
RT: 12.847 min Scan# 1852  
Delta R.T. -0.000 min  
Lab File: VN087141.D  
Acq: 20 Jun 2025 15:50

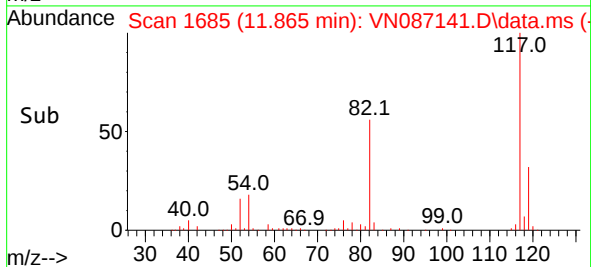
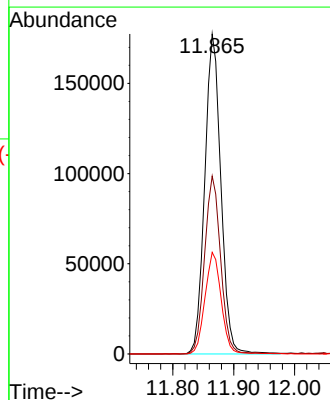
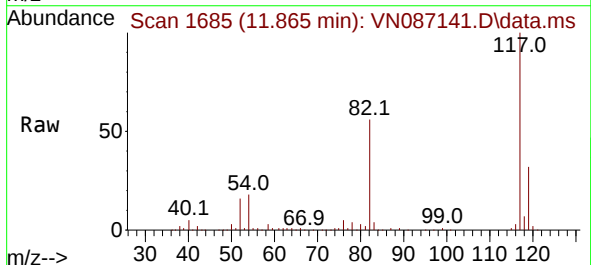
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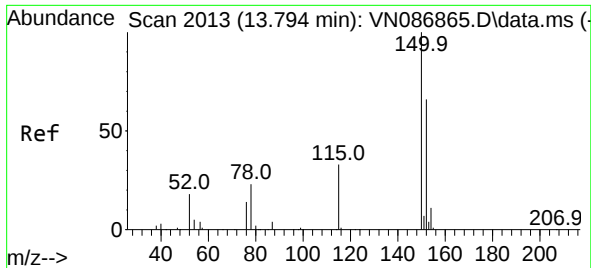
Tgt Ion: 95 Resp: 150793  
Ion Ratio Lower Upper  
95 100  
174 74.4 0.0 141.8  
176 69.7 0.0 132.6



#63  
Chlorobenzene-d5  
Concen: 50.000 ug/l  
RT: 11.865 min Scan# 1685  
Delta R.T. -0.000 min  
Lab File: VN087141.D  
Acq: 20 Jun 2025 15:50

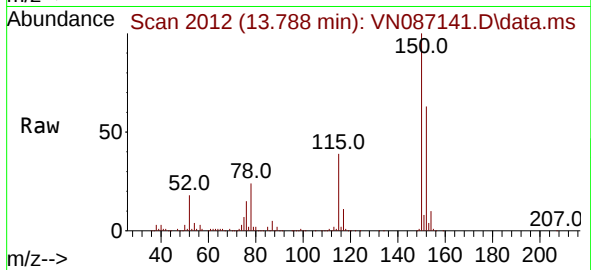
Tgt Ion: 117 Resp: 326455  
Ion Ratio Lower Upper  
117 100  
82 55.6 44.6 67.0  
119 31.7 25.5 38.3





#72  
 1,4-Dichlorobenzene-d4  
 Concen: 50.000 ug/l  
 RT: 13.788 min Scan# 20  
 Delta R.T. -0.006 min  
 Lab File: VN087141.D  
 Acq: 20 Jun 2025 15:50

Instrument :  
 MSVOA\_N  
 ClientSampleId :  
 3897



Tgt Ion:152 Resp: 154668  
 Ion Ratio Lower Upper  
 152 100  
 115 60.8 30.1 90.5  
 150 158.5 0.0 345.0

