

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_N\Data\VN022024\  
 Data File : VN081097.D  
 Acq On : 20 Feb 2024 14:42  
 Operator : JC\MD  
 Sample : PB159119TB  
 Misc : 5.0mL/MSVOA\_N/WATER  
 ALS Vial : 13 Sample Multiplier: 1

Instrument :  
 MSVOA\_N  
 ClientSampleId :  
 PB159119TB

Quant Time: Feb 21 00:20:18 2024  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_N\methods\82N021624W.M  
 Quant Title : SW846 8260  
 QLast Update : Fri Feb 16 23:45:20 2024  
 Response via : Initial Calibration

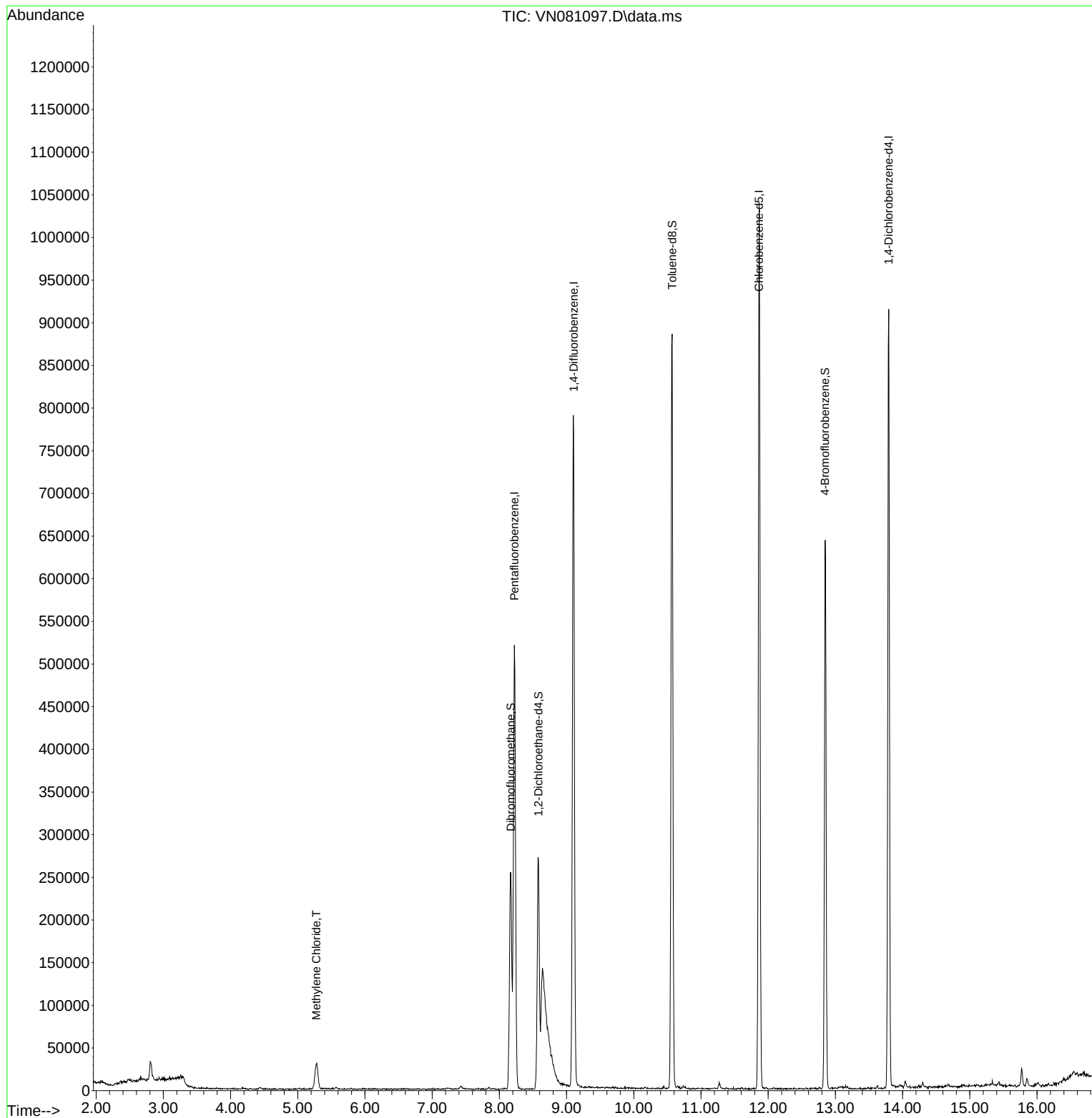
| Compound                    | R.T.   | QIon  | Response | Conc     | Units | Dev(Min)    |
|-----------------------------|--------|-------|----------|----------|-------|-------------|
| -----                       |        |       |          |          |       |             |
| Internal Standards          |        |       |          |          |       |             |
| 1) Pentafluorobenzene       | 8.224  | 168   | 360108   | 50.000   | ug/l  | 0.00        |
| 34) 1,4-Difluorobenzene     | 9.106  | 114   | 683242   | 50.000   | ug/l  | 0.00        |
| 63) Chlorobenzene-d5        | 11.865 | 117   | 590954   | 50.000   | ug/l  | 0.00        |
| 72) 1,4-Dichlorobenzene-d4  | 13.794 | 152   | 238879   | 50.000   | ug/l  | 0.00        |
| System Monitoring Compounds |        |       |          |          |       |             |
| 33) 1,2-Dichloroethane-d4   | 8.583  | 65    | 220309   | 49.912   | ug/l  | 0.00        |
| Spiked Amount               | 50.000 | Range | 74 - 125 | Recovery | =     | 99.820%     |
| 35) Dibromofluoromethane    | 8.171  | 113   | 181198   | 46.900   | ug/l  | 0.00        |
| Spiked Amount               | 50.000 | Range | 75 - 124 | Recovery | =     | 93.800%     |
| 50) Toluene-d8              | 10.571 | 98    | 627002   | 45.693   | ug/l  | 0.00        |
| Spiked Amount               | 50.000 | Range | 86 - 113 | Recovery | =     | 91.380%     |
| 62) 4-Bromofluorobenzene    | 12.847 | 95    | 226425   | 43.913   | ug/l  | 0.00        |
| Spiked Amount               | 50.000 | Range | 83 - 123 | Recovery | =     | 87.820%     |
| Target Compounds            |        |       |          |          |       |             |
| 20) Methylene Chloride      | 5.277  | 84    | 23220    | 4.319    | ug/l  | Qvalue # 80 |
| -----                       |        |       |          |          |       |             |

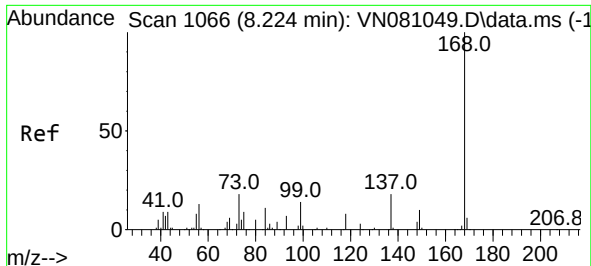
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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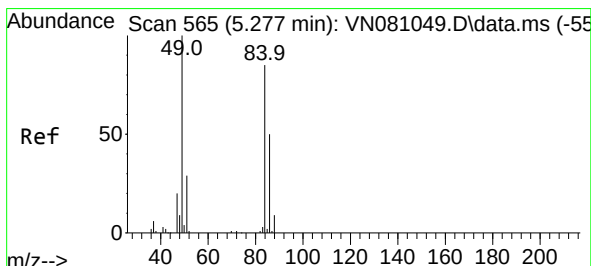
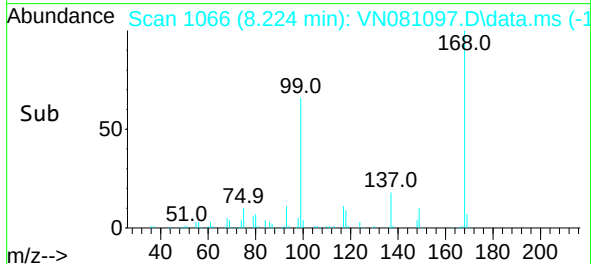
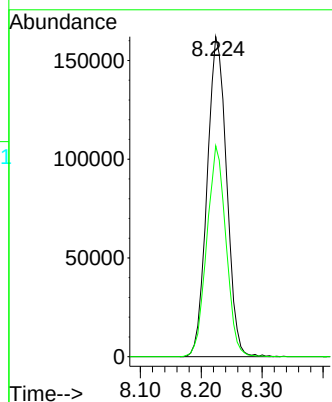
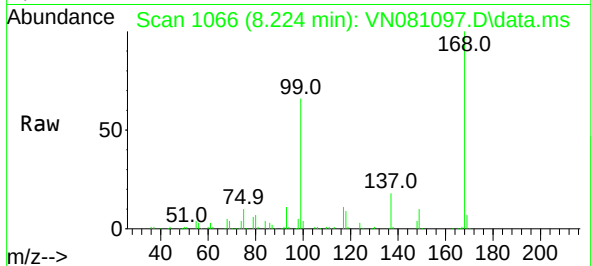




#1  
Pentafluorobenzene  
Concen: 50.000 ug/l  
RT: 8.224 min Scan# 1066  
Delta R.T. -0.000 min  
Lab File: VN081097.D  
Acq: 20 Feb 2024 14:42

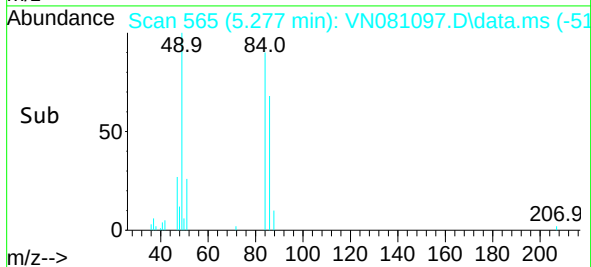
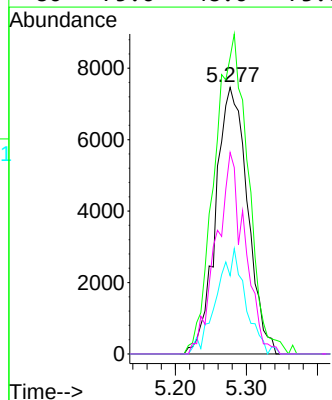
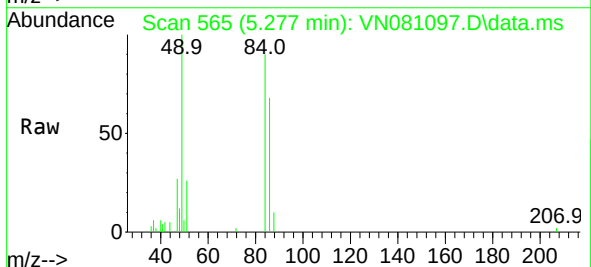
Instrument :  
MSVOA\_N  
ClientSampleId :  
PB159119TB

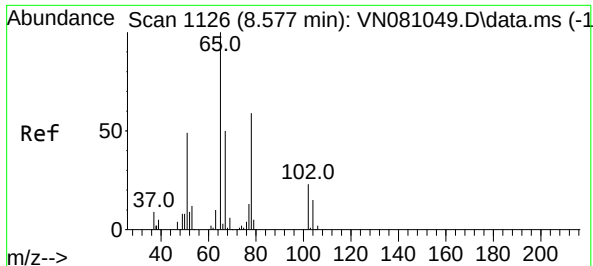
Tgt Ion:168 Resp: 360108  
Ion Ratio Lower Upper  
168 100  
99 65.9 59.9 89.9



#20  
Methylene Chloride  
Concen: 4.319 ug/l  
RT: 5.277 min Scan# 565  
Delta R.T. -0.000 min  
Lab File: VN081097.D  
Acq: 20 Feb 2024 14:42

Tgt Ion: 84 Resp: 23220  
Ion Ratio Lower Upper  
84 100  
49 111.2 108.1 162.1  
51 29.3 32.9 49.3#  
86 75.6 48.6 73.0#





#33

1,2-Dichloroethane-d4

Concen: 49.912 ug/l

RT: 8.583 min Scan# 1126

Delta R.T. 0.006 min

Lab File: VN081097.D

Acq: 20 Feb 2024 14:42

Instrument :

MSVOA\_N

ClientSampleId :

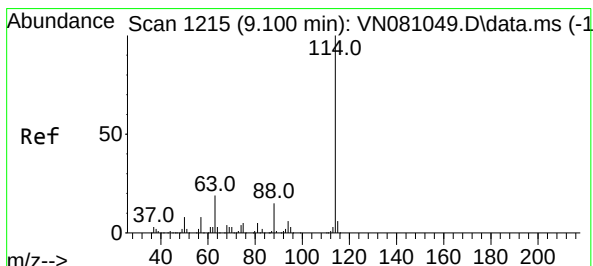
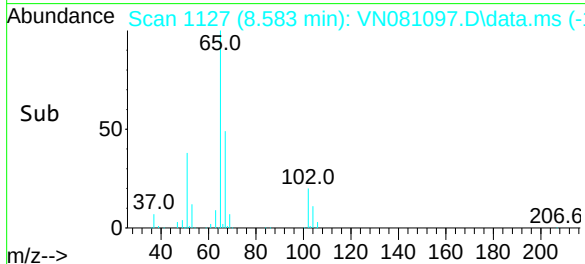
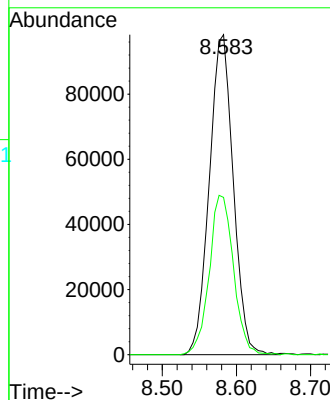
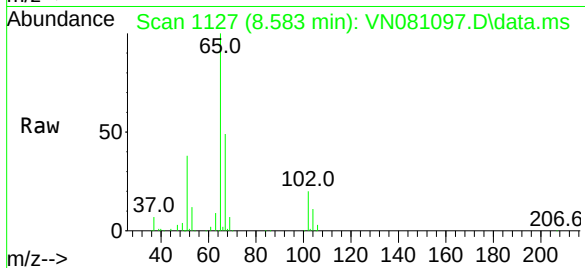
PB159119TB

Tgt Ion: 65 Resp: 220309

Ion Ratio Lower Upper

65 100

67 50.5 0.0 102.4



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 9.106 min Scan# 1216

Delta R.T. 0.006 min

Lab File: VN081097.D

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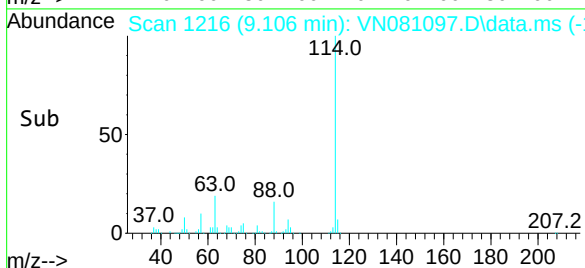
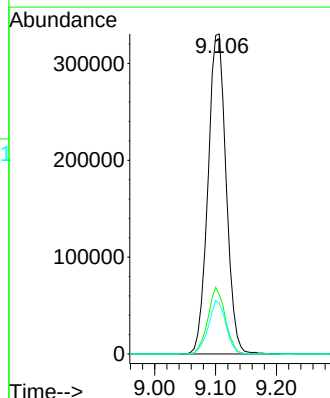
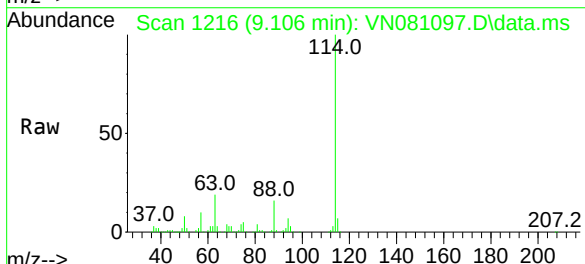
Tgt Ion: 114 Resp: 683242

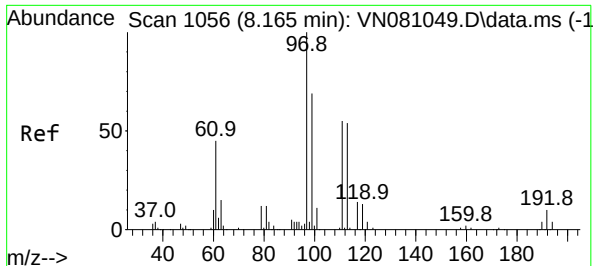
Ion Ratio Lower Upper

114 100

63 18.6 0.0 48.0

88 15.9 0.0 34.8

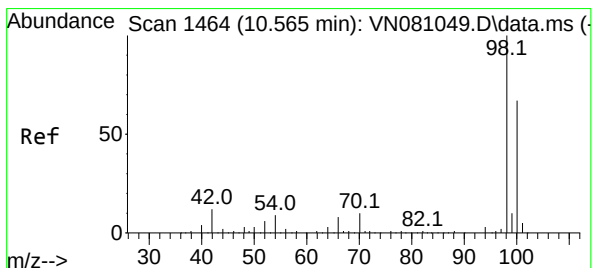
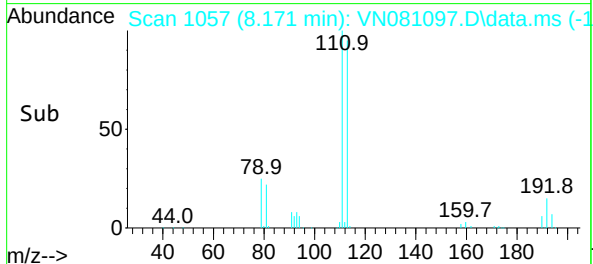
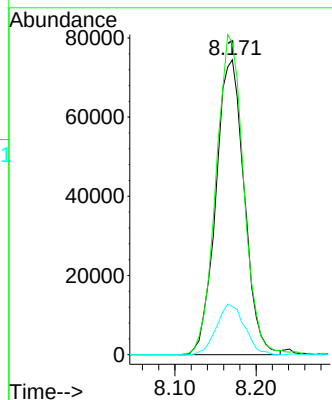
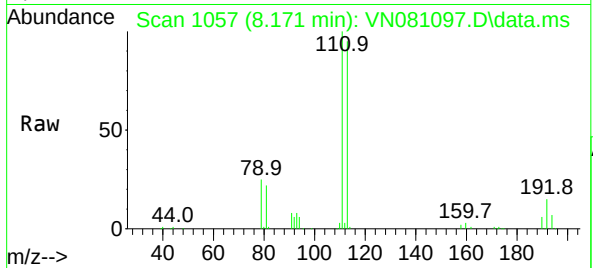




#35  
Dibromofluoromethane  
Concen: 46.900 ug/l  
RT: 8.171 min Scan# 1057  
Delta R.T. 0.006 min  
Lab File: VN081097.D  
Acq: 20 Feb 2024 14:42

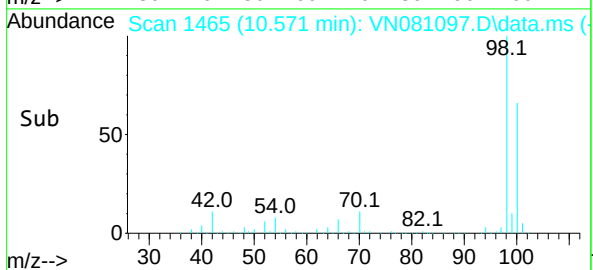
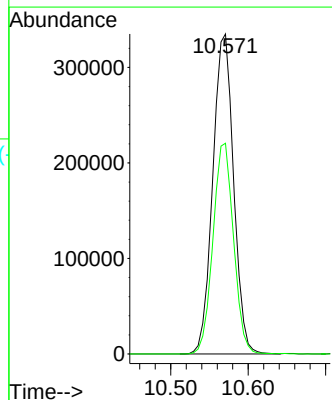
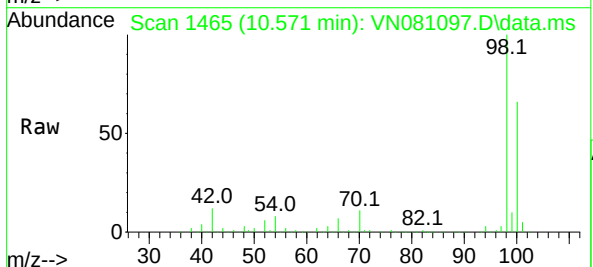
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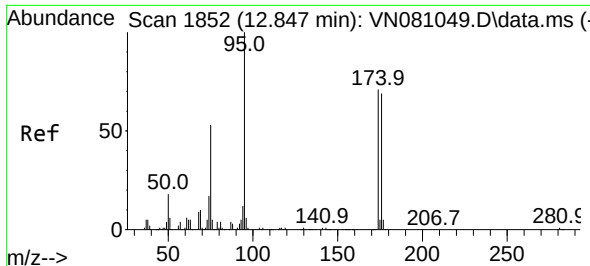
Tgt Ion:113 Resp: 181198  
Ion Ratio Lower Upper  
113 100  
111 106.3 82.2 123.4  
192 16.9 12.5 18.7



#50  
Toluene-d8  
Concen: 45.693 ug/l  
RT: 10.571 min Scan# 1465  
Delta R.T. 0.006 min  
Lab File: VN081097.D  
Acq: 20 Feb 2024 14:42

Tgt Ion: 98 Resp: 627002  
Ion Ratio Lower Upper  
98 100  
100 65.1 51.4 77.0

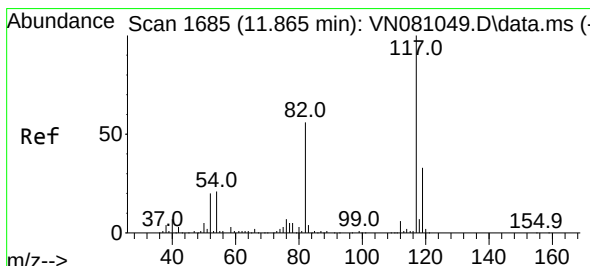
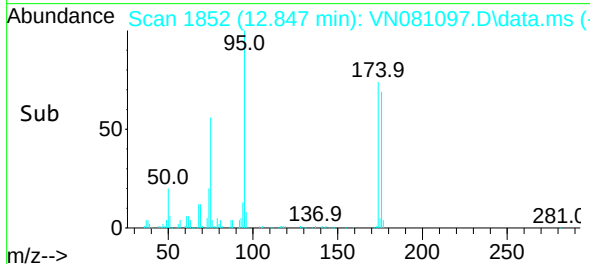
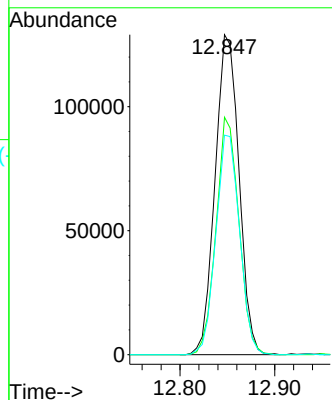
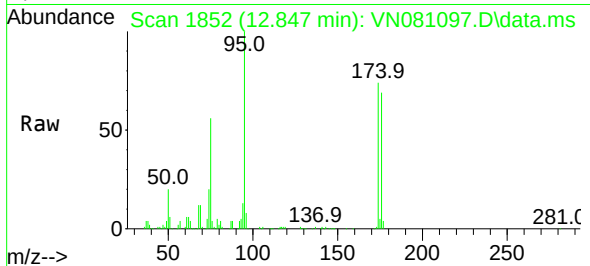




#62  
4-Bromofluorobenzene  
Concen: 43.913 ug/l  
RT: 12.847 min Scan# 1852  
Delta R.T. -0.000 min  
Lab File: VN081097.D  
Acq: 20 Feb 2024 14:42

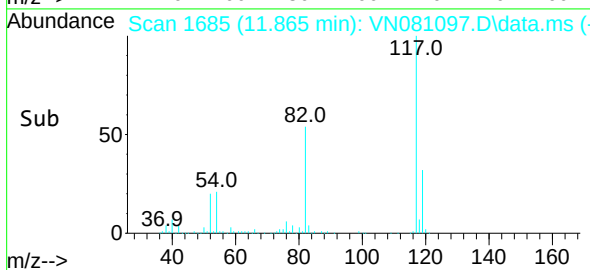
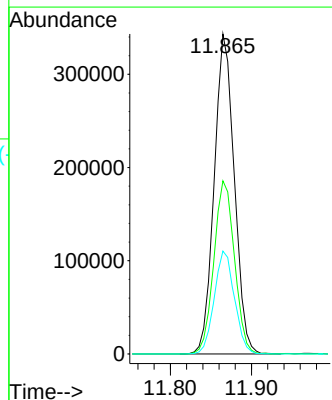
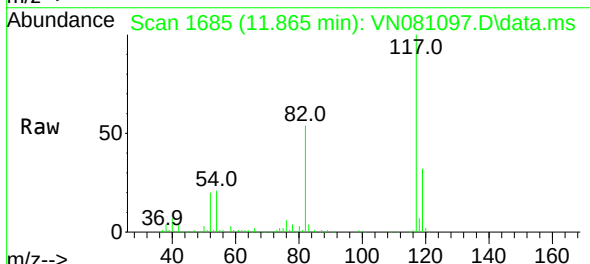
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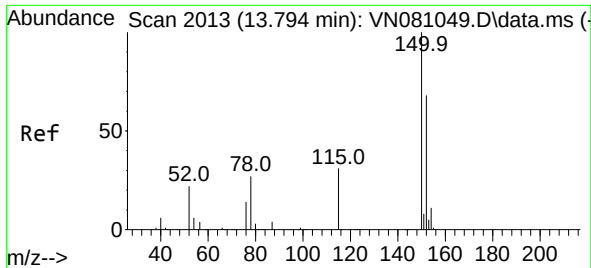
Tgt Ion: 95 Resp: 226425  
Ion Ratio Lower Upper  
95 100  
174 71.0 0.0 120.4  
176 68.0 0.0 121.0



#63  
Chlorobenzene-d5  
Concen: 50.000 ug/l  
RT: 11.865 min Scan# 1685  
Delta R.T. -0.000 min  
Lab File: VN081097.D  
Acq: 20 Feb 2024 14:42

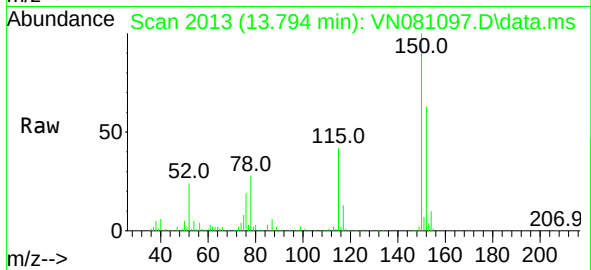
Tgt Ion: 117 Resp: 590954  
Ion Ratio Lower Upper  
117 100  
82 54.1 52.7 79.1  
119 32.1 25.3 37.9





#72  
 1,4-Dichlorobenzene-d4  
 Concen: 50.000 ug/l  
 RT: 13.794 min Scan# 20  
 Delta R.T. -0.000 min  
 Lab File: VN081097.D  
 Acq: 20 Feb 2024 14:42

Instrument :  
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 ClientSampleId :  
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Tgt Ion:152 Resp: 238879  

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 152 | 100   |       |       |
| 115 | 64.8  | 32.3  | 96.8  |
| 150 | 157.2 | 0.0   | 339.8 |

