

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_N\Data\VN071224\  
 Data File : VN082899.D  
 Acq On : 12 Jul 2024 15:04  
 Operator : JC\MD  
 Sample : P3229-04  
 Misc : 5.0mL/MSVOA\_N/WATER  
 ALS Vial : 13 Sample Multiplier: 1

Instrument :  
 MSVOA\_N  
 ClientSampleId :  
 BP-VPB-189-GW-800-802

Quant Time: Jul 15 01:12:24 2024  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_N\methods\82N070824W.M  
 Quant Title : SW846 8260  
 QLast Update : Mon Jul 08 13:46:04 2024  
 Response via : Initial Calibration

| Compound                   | R.T.   | QIon | Response | Conc   | Units | Dev(Min) |
|----------------------------|--------|------|----------|--------|-------|----------|
| -----                      |        |      |          |        |       |          |
| Internal Standards         |        |      |          |        |       |          |
| 1) Pentafluorobenzene      | 8.230  | 168  | 88833    | 50.000 | ug/l  | 0.00     |
| 34) 1,4-Difluorobenzene    | 9.100  | 114  | 171262   | 50.000 | ug/l  | 0.00     |
| 63) Chlorobenzene-d5       | 11.865 | 117  | 183457   | 50.000 | ug/l  | 0.00     |
| 72) 1,4-Dichlorobenzene-d4 | 13.794 | 152  | 75912    | 50.000 | ug/l  | 0.00     |

|                             |        |       |          |          |      |          |
|-----------------------------|--------|-------|----------|----------|------|----------|
| System Monitoring Compounds |        |       |          |          |      |          |
| 33) 1,2-Dichloroethane-d4   | 8.583  | 65    | 69843    | 56.087   | ug/l | 0.00     |
| Spiked Amount               | 50.000 | Range | 74 - 125 | Recovery | =    | 112.180% |
| 35) Dibromofluoromethane    | 8.171  | 113   | 58396    | 53.138   | ug/l | 0.00     |
| Spiked Amount               | 50.000 | Range | 75 - 124 | Recovery | =    | 106.280% |
| 50) Toluene-d8              | 10.571 | 98    | 212293   | 52.303   | ug/l | 0.00     |
| Spiked Amount               | 50.000 | Range | 86 - 113 | Recovery | =    | 104.600% |
| 62) 4-Bromofluorobenzene    | 12.847 | 95    | 67675    | 46.416   | ug/l | 0.00     |
| Spiked Amount               | 50.000 | Range | 64 - 133 | Recovery | =    | 92.840%  |

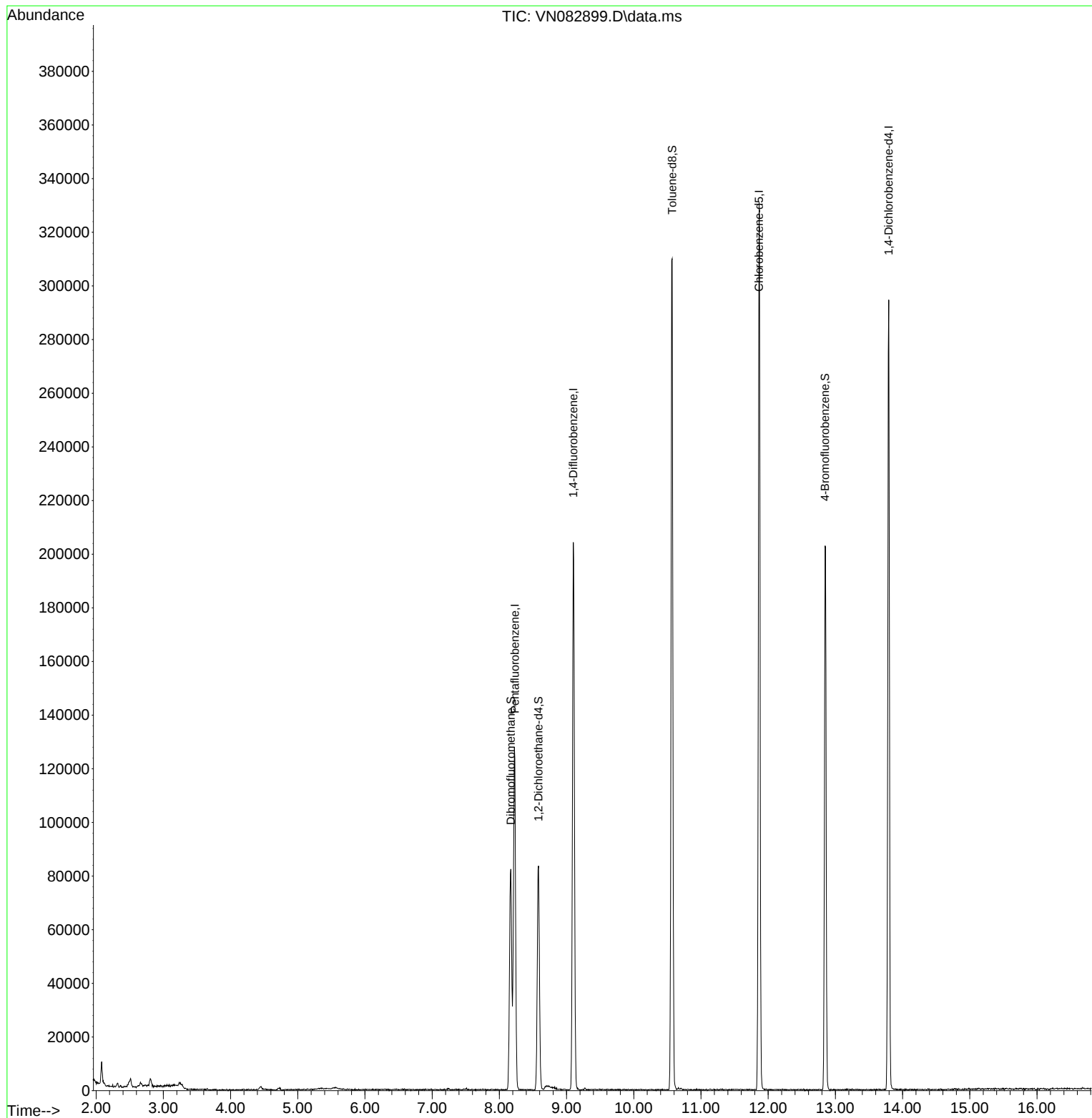
| Target Compounds | Qvalue |
|------------------|--------|
| -----            |        |

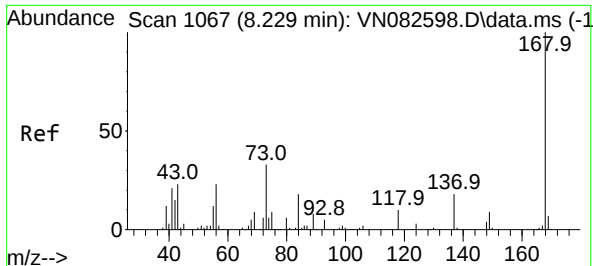
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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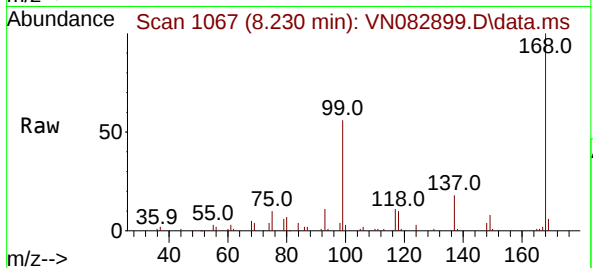
Quant Time: Jul 15 01:12:24 2024  
Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_N\methods\82N070824W.M  
Quant Title : SW846 8260  
QLast Update : Mon Jul 08 13:46:04 2024  
Response via : Initial Calibration



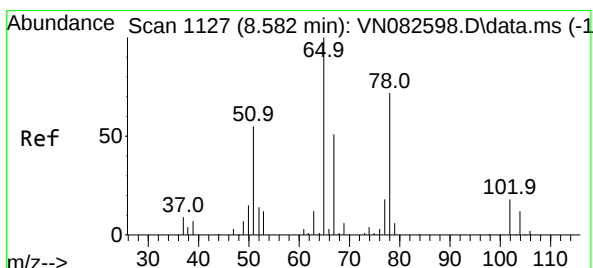
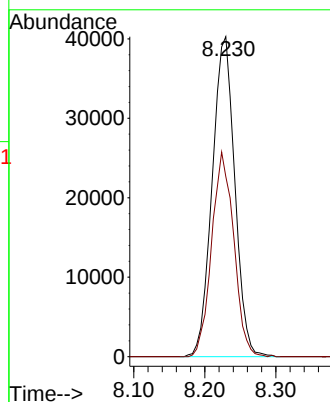
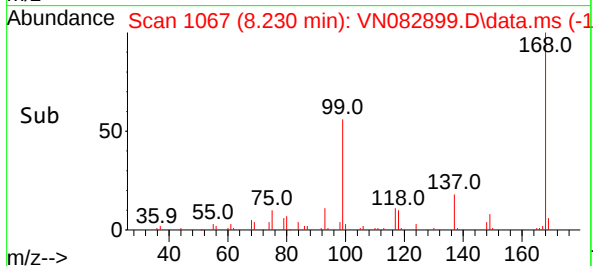


#1  
Pentafluorobenzene  
Concen: 50.000 ug/l  
RT: 8.230 min Scan# 1067  
Delta R.T. 0.001 min  
Lab File: VN082899.D  
Acq: 12 Jul 2024 15:04

Instrument :  
MSVOA\_N  
ClientSampleId :  
BP-VPB-189-GW-800-802

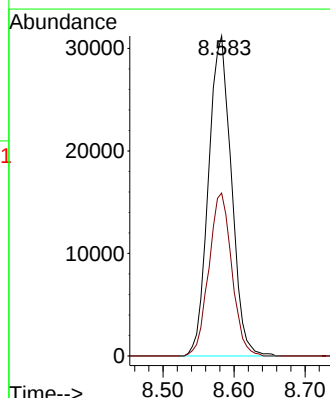
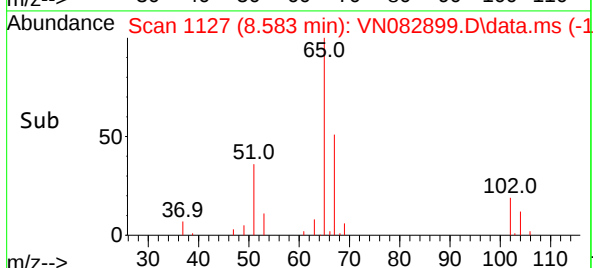
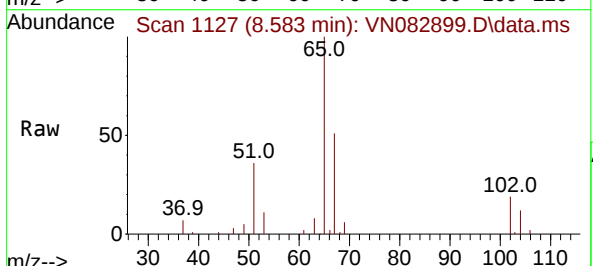


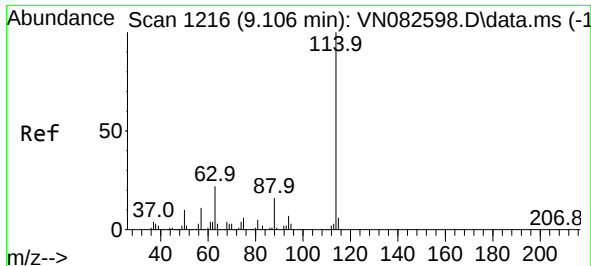
Tgt Ion:168 Resp: 88833  
Ion Ratio Lower Upper  
168 100  
99 56.3 48.2 72.4



#33  
1,2-Dichloroethane-d4  
Concen: 56.087 ug/l  
RT: 8.583 min Scan# 1127  
Delta R.T. 0.001 min  
Lab File: VN082899.D  
Acq: 12 Jul 2024 15:04

Tgt Ion: 65 Resp: 69843  
Ion Ratio Lower Upper  
65 100  
67 51.0 0.0 104.4

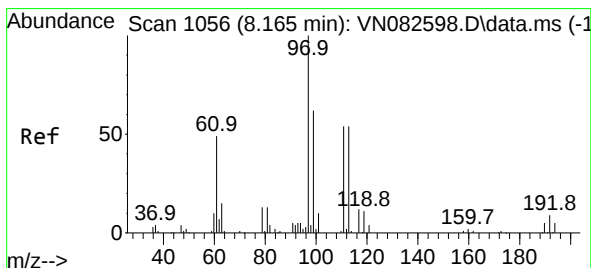
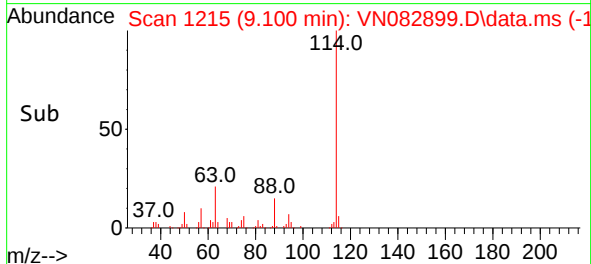
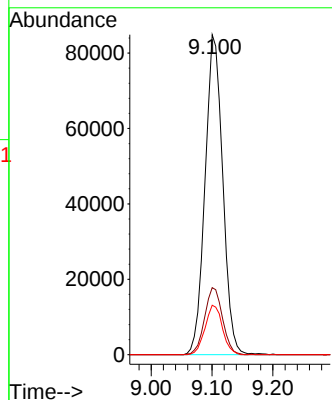
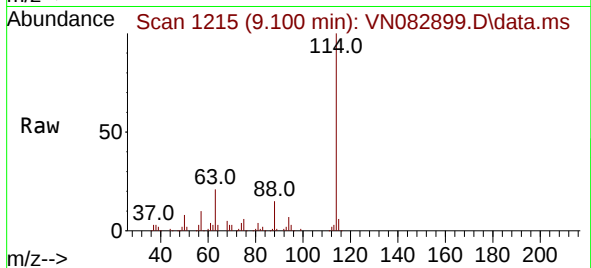




#34  
1,4-Difluorobenzene  
Concen: 50.000 ug/l  
RT: 9.100 min Scan# 11  
Delta R.T. -0.006 min  
Lab File: VN082899.D  
Acq: 12 Jul 2024 15:04

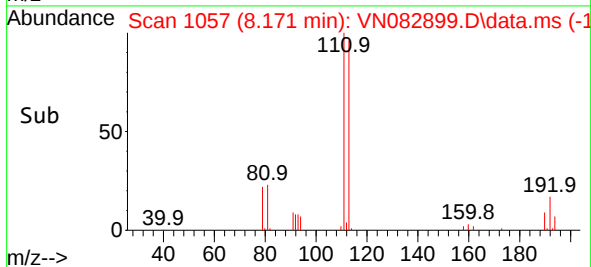
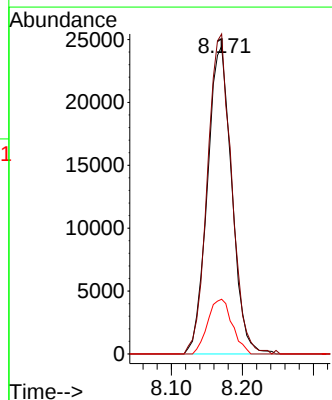
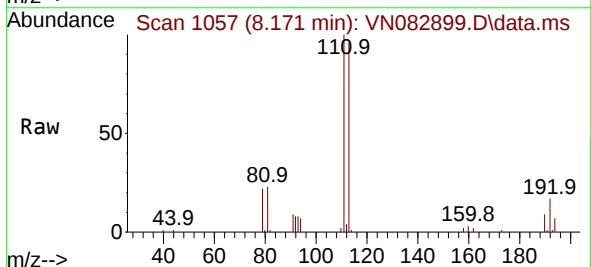
Instrument :  
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ClientSampleId :  
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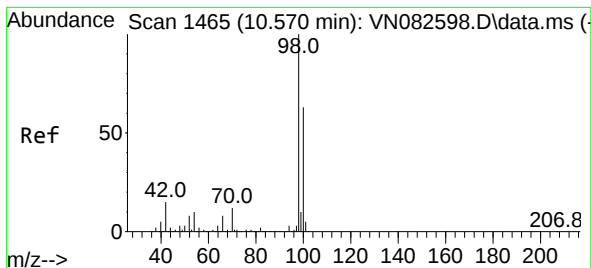
Tgt Ion:114 Resp: 171262  
Ion Ratio Lower Upper  
114 100  
63 20.9 0.0 44.6  
88 15.5 0.0 31.4



#35  
Dibromofluoromethane  
Concen: 53.138 ug/l  
RT: 8.171 min Scan# 1057  
Delta R.T. 0.006 min  
Lab File: VN082899.D  
Acq: 12 Jul 2024 15:04

Tgt Ion:113 Resp: 58396  
Ion Ratio Lower Upper  
113 100  
111 102.8 82.4 123.6  
192 17.8 14.9 22.3

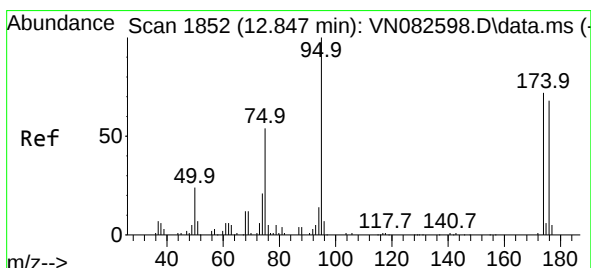
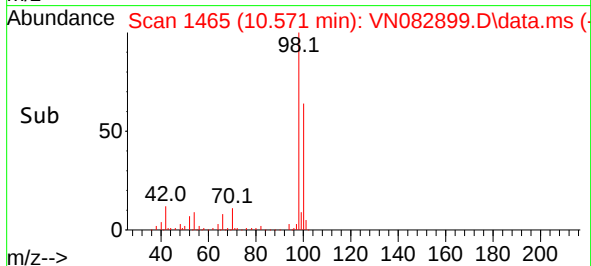
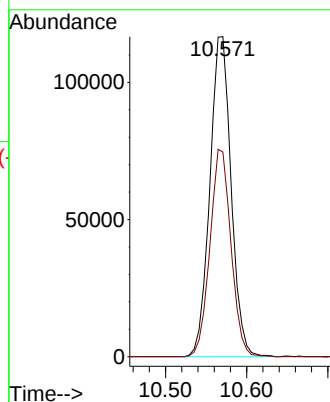
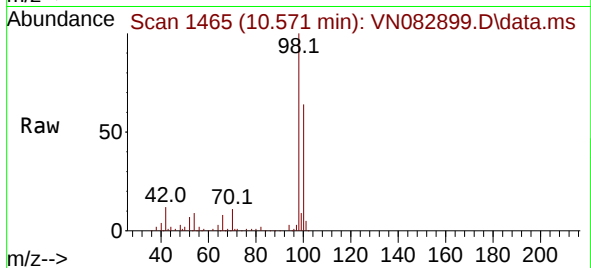




#50  
Toluene-d8  
Concen: 52.303 ug/l  
RT: 10.571 min Scan# 1465  
Delta R.T. 0.001 min  
Lab File: VN082899.D  
Acq: 12 Jul 2024 15:04

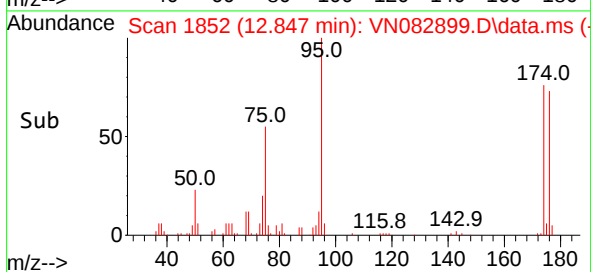
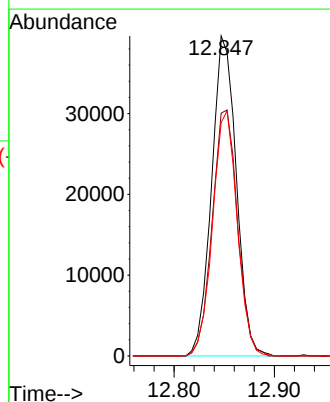
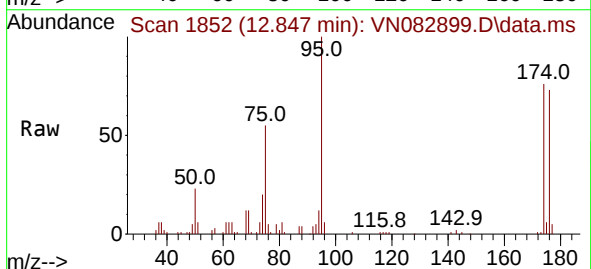
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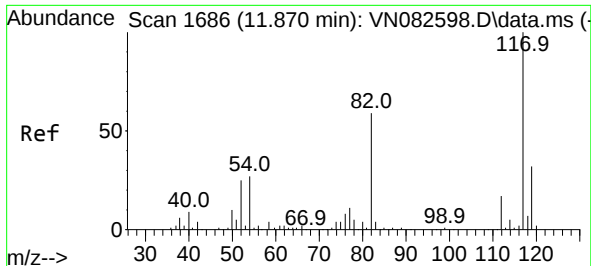
Tgt Ion: 98 Resp: 212293  
Ion Ratio Lower Upper  
98 100  
100 64.1 51.5 77.3



#62  
4-Bromofluorobenzene  
Concen: 46.416 ug/l  
RT: 12.847 min Scan# 1852  
Delta R.T. -0.000 min  
Lab File: VN082899.D  
Acq: 12 Jul 2024 15:04

Tgt Ion: 95 Resp: 67675  
Ion Ratio Lower Upper  
95 100  
174 78.8 0.0 159.2  
176 76.3 0.0 147.6

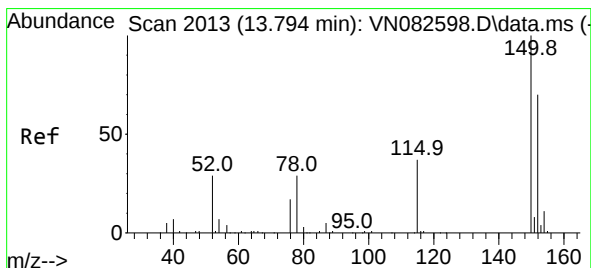
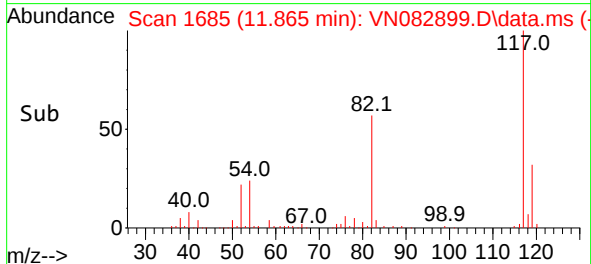
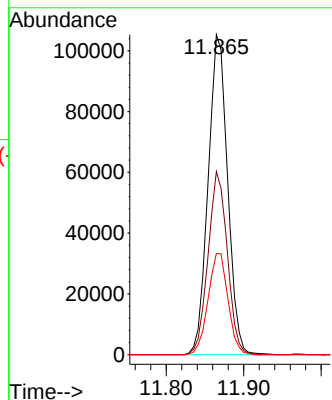
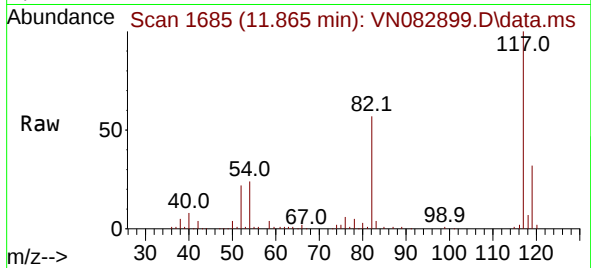




#63  
Chlorobenzene-d5  
Concen: 50.000 ug/l  
RT: 11.865 min Scan# 117  
Delta R.T. -0.005 min  
Lab File: VN082899.D  
Acq: 12 Jul 2024 15:04

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MSVOA\_N  
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Tgt Ion:117 Resp: 183457  
Ion Ratio Lower Upper  
117 100  
82 57.2 47.5 71.3  
119 31.6 25.6 38.4



#72  
1,4-Dichlorobenzene-d4  
Concen: 50.000 ug/l  
RT: 13.794 min Scan# 2013  
Delta R.T. -0.000 min  
Lab File: VN082899.D  
Acq: 12 Jul 2024 15:04

Tgt Ion:152 Resp: 75912  
Ion Ratio Lower Upper  
152 100  
115 61.5 30.6 91.6  
150 161.5 0.0 348.6

