

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_N\Data\VN032122\  
 Data File : VN071443.D  
 Acq On : 22 Mar 2022 02:08  
 Operator : JC\MD  
 Sample : N2015-11  
 Misc : 5.0mL/MSVOA\_N/WATER  
 ALS Vial : 32 Sample Multiplier: 1

Instrument :  
 MSVOA\_N  
 ClientSampleId :  
 TB-2022-03-17

Quant Time: Mar 22 06:30:03 2022  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_N\methods\82N030722W.M  
 Quant Title : SW846 8260  
 QLast Update : Tue Mar 08 06:52:46 2022  
 Response via : Initial Calibration

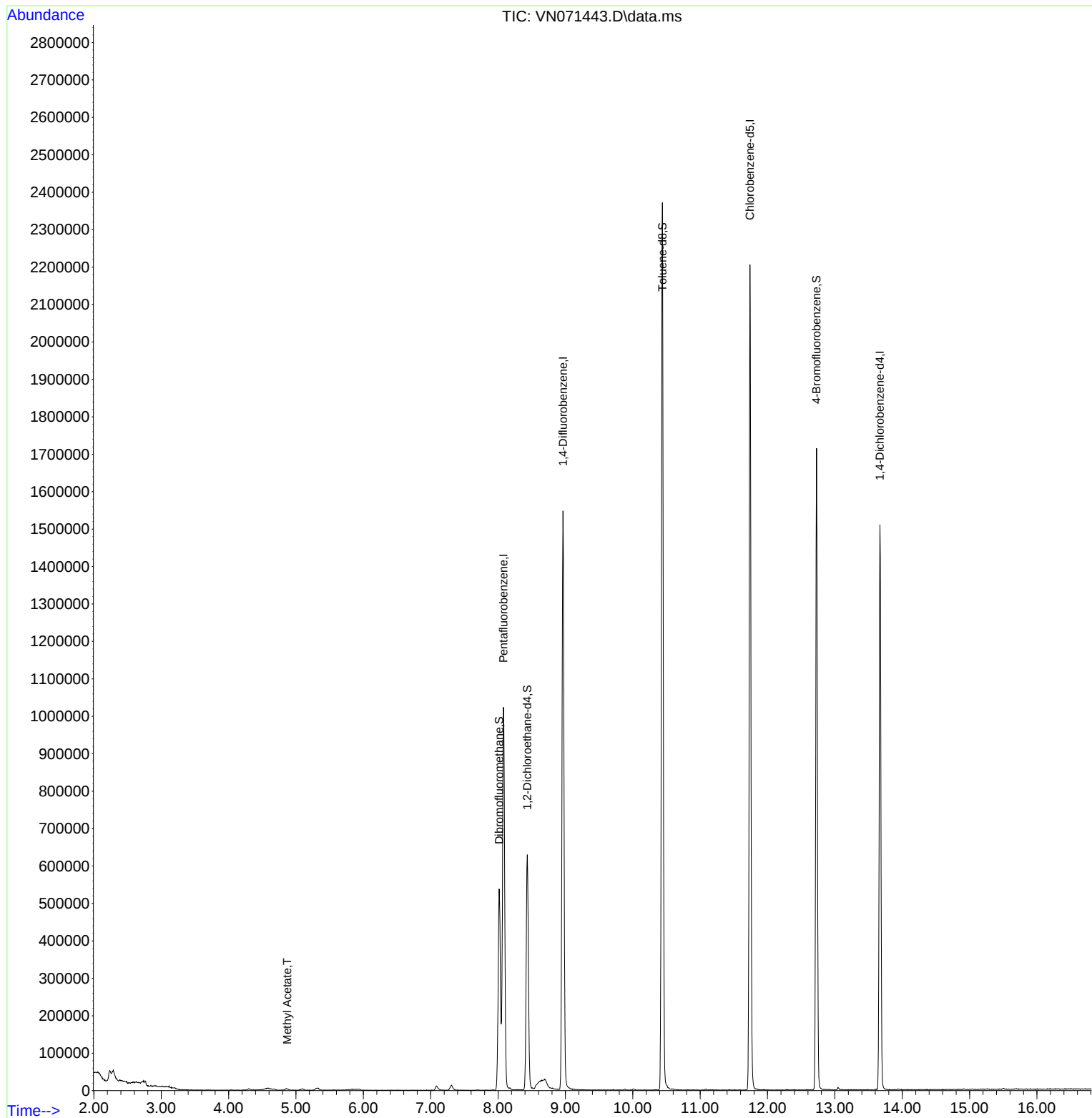
| Compound                    | R.T.   | QIon  | Response | Conc     | Units  | Dev(Min) |
|-----------------------------|--------|-------|----------|----------|--------|----------|
| -----                       |        |       |          |          |        |          |
| Internal Standards          |        |       |          |          |        |          |
| 1) Pentafluorobenzene       | 8.081  | 168   | 784378   | 50.000   | ug/l   | 0.00     |
| 34) 1,4-Difluorobenzene     | 8.963  | 114   | 1327552  | 50.000   | ug/l   | 0.00     |
| 63) Chlorobenzene-d5        | 11.739 | 117   | 1241204  | 50.000   | ug/l   | 0.00     |
| 72) 1,4-Dichlorobenzene-d4  | 13.668 | 152   | 422049   | 50.000   | ug/l   | 0.00     |
| System Monitoring Compounds |        |       |          |          |        |          |
| 33) 1,2-Dichloroethane-d4   | 8.434  | 65    | 523068   | 48.657   | ug/l   | 0.00     |
| Spiked Amount               | 50.000 | Range | 61 - 141 | Recovery | =      | 97.320%  |
| 35) Dibromofluoromethane    | 8.016  | 113   | 391367   | 46.717   | ug/l   | 0.00     |
| Spiked Amount               | 50.000 | Range | 69 - 133 | Recovery | =      | 93.440%  |
| 50) Toluene-d8              | 10.439 | 98    | 1642162  | 48.686   | ug/l   | 0.00     |
| Spiked Amount               | 50.000 | Range | 65 - 126 | Recovery | =      | 97.380%  |
| 62) 4-Bromofluorobenzene    | 12.727 | 95    | 584351   | 51.162   | ug/l   | 0.00     |
| Spiked Amount               | 50.000 | Range | 58 - 135 | Recovery | =      | 102.320% |
| Target Compounds            |        |       |          |          |        |          |
|                             |        |       |          |          | Qvalue |          |
| 18) Methyl Acetate          | 4.869  | 43    | 9909     | 1.169    | ug/l # | 80       |
| -----                       |        |       |          |          |        |          |

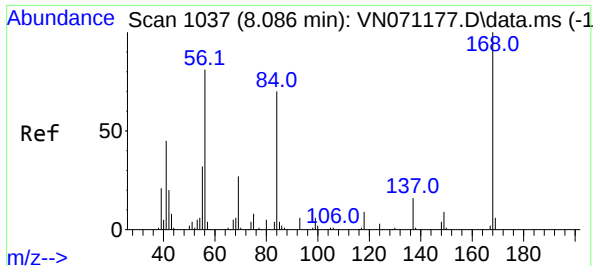
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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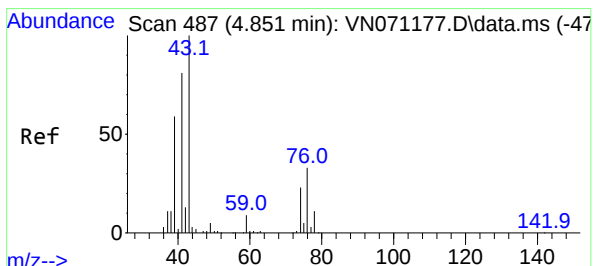
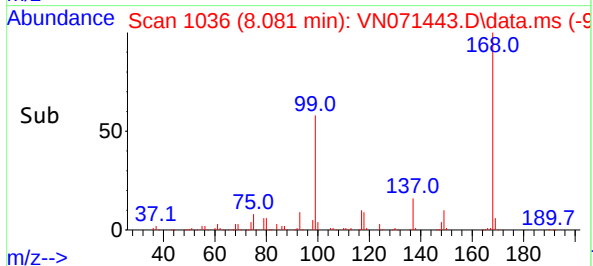
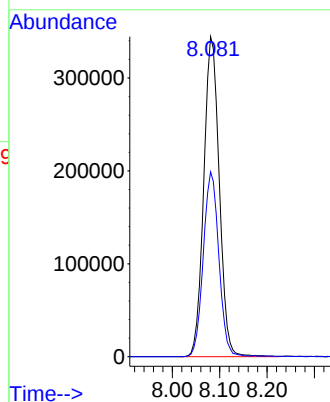
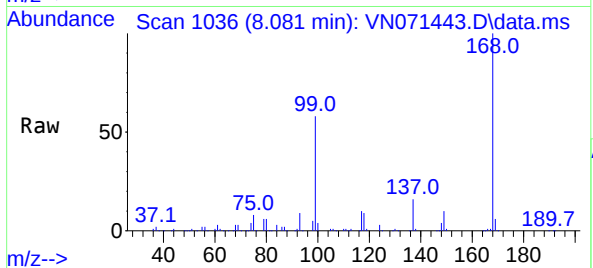




#1  
Pentafluorobenzene  
Concen: 50.000 ug/l  
RT: 8.081 min Scan# 1036  
Delta R.T. -0.005 min  
Lab File: VN071443.D  
Acq: 22 Mar 2022 02:08

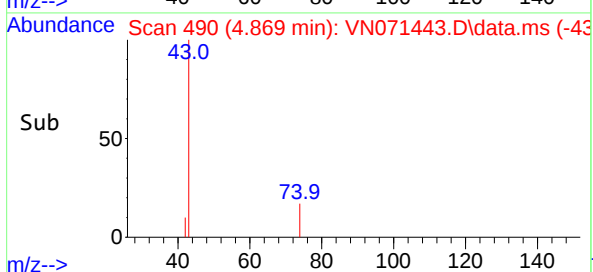
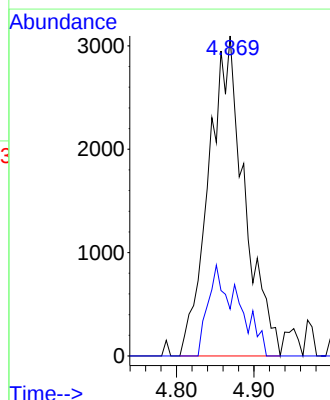
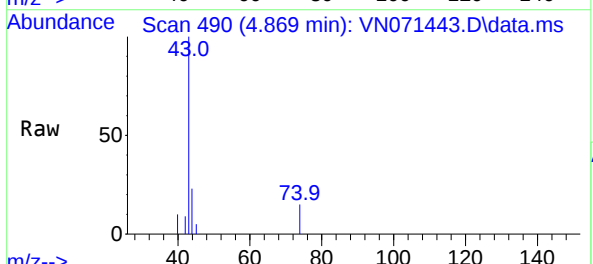
Instrument :  
MSVOA\_N  
ClientSampleId :  
TB-2022-03-17

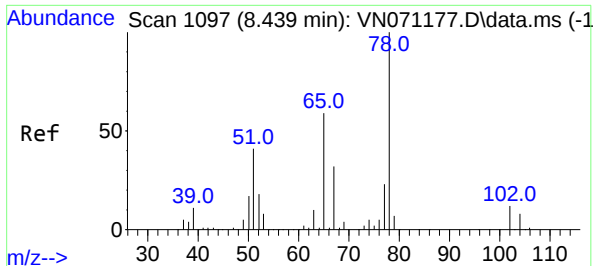
Tgt Ion:168 Resp: 784378  
Ion Ratio Lower Upper  
168 100  
99 57.7 41.3 61.9



#18  
Methyl Acetate  
Concen: 1.169 ug/l  
RT: 4.869 min Scan# 490  
Delta R.T. 0.018 min  
Lab File: VN071443.D  
Acq: 22 Mar 2022 02:08

Tgt Ion: 43 Resp: 9909  
Ion Ratio Lower Upper  
43 100  
74 14.3 19.4 29.2#

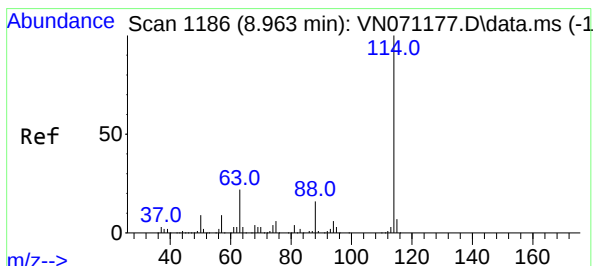
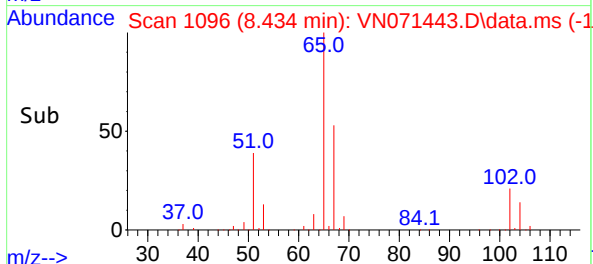
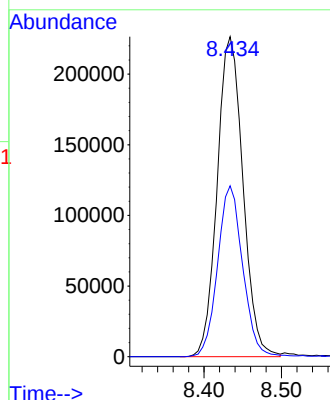
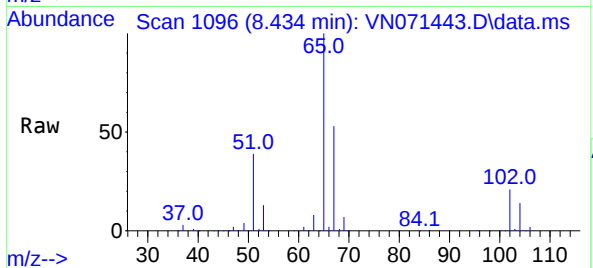




#33  
1,2-Dichloroethane-d4  
Concen: 48.657 ug/l  
RT: 8.434 min Scan# 1097  
Delta R.T. -0.006 min  
Lab File: VN071443.D  
Acq: 22 Mar 2022 02:08

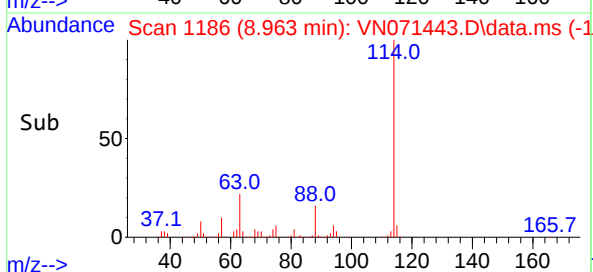
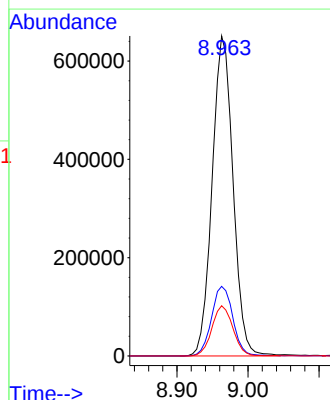
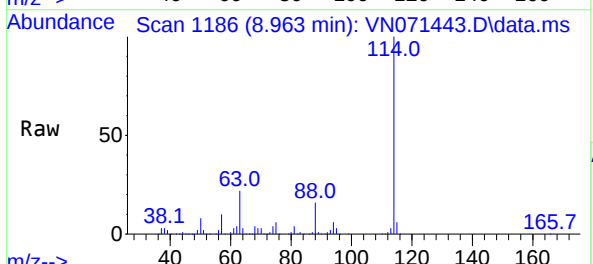
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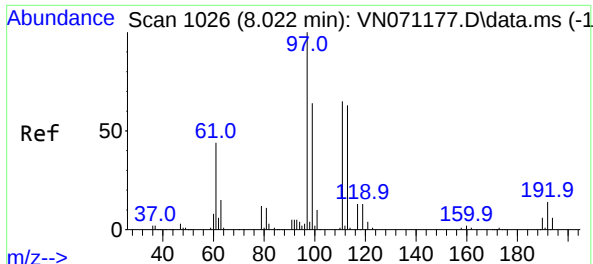
Tgt Ion: 65 Resp: 523068  
Ion Ratio Lower Upper  
65 100  
67 52.1 0.0 103.0



#34  
1,4-Difluorobenzene  
Concen: 50.000 ug/l  
RT: 8.963 min Scan# 1186  
Delta R.T. -0.000 min  
Lab File: VN071443.D  
Acq: 22 Mar 2022 02:08

Tgt Ion: 114 Resp: 1327552  
Ion Ratio Lower Upper  
114 100  
63 21.8 0.0 37.8  
88 15.7 0.0 27.4

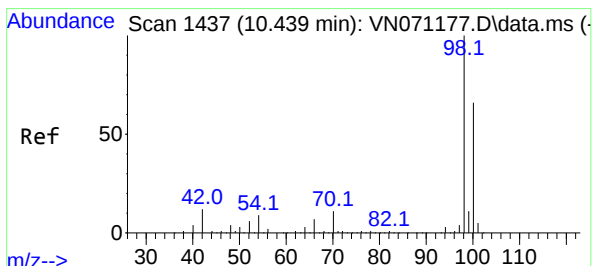
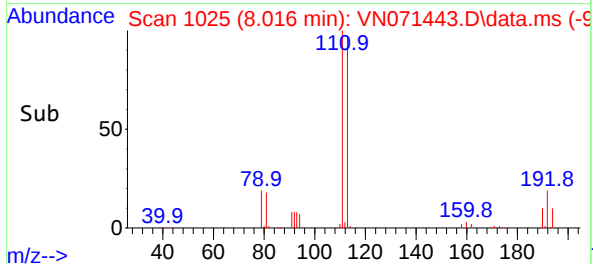
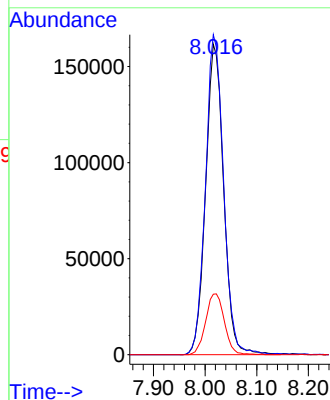
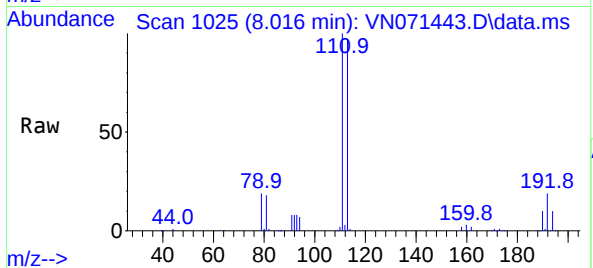




#35  
Dibromofluoromethane  
Concen: 46.717 ug/l  
RT: 8.016 min Scan# 1025  
Delta R.T. -0.006 min  
Lab File: VN071443.D  
Acq: 22 Mar 2022 02:08

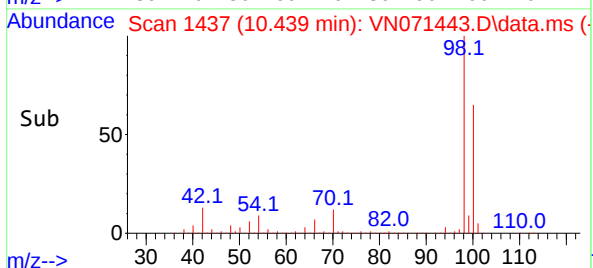
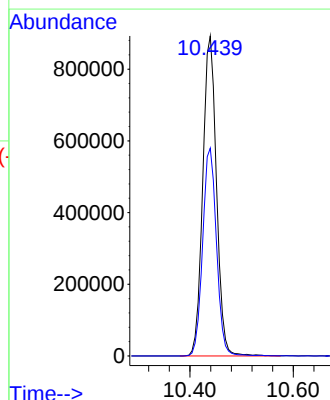
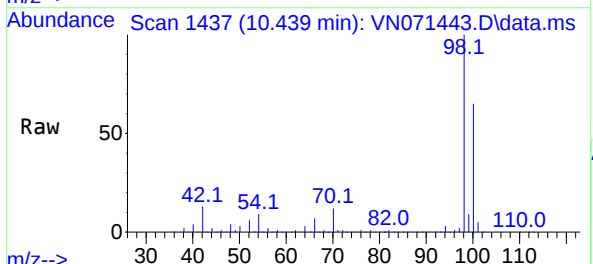
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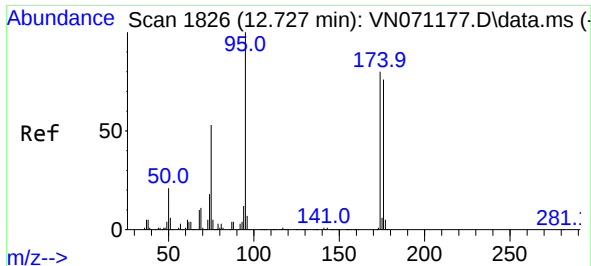
Tgt Ion:113 Resp: 391367  
Ion Ratio Lower Upper  
113 100  
111 103.6 82.2 123.2  
192 20.4 16.9 25.3



#50  
Toluene-d8  
Concen: 48.686 ug/l  
RT: 10.439 min Scan# 1437  
Delta R.T. 0.000 min  
Lab File: VN071443.D  
Acq: 22 Mar 2022 02:08

Tgt Ion: 98 Resp: 1642162  
Ion Ratio Lower Upper  
98 100  
100 65.7 50.4 75.6

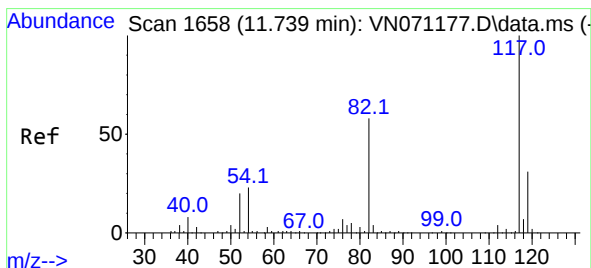
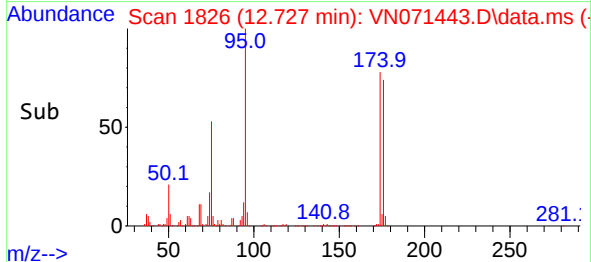
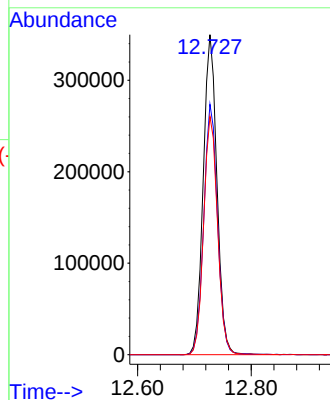
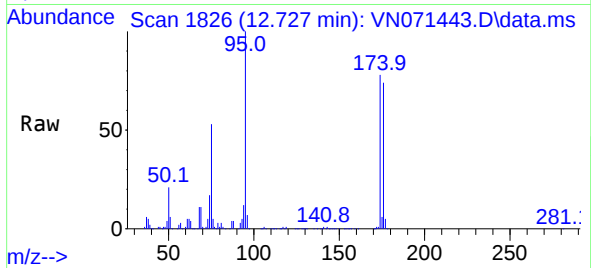




#62  
4-Bromofluorobenzene  
Concen: 51.162 ug/l  
RT: 12.727 min Scan# 1826  
Delta R.T. 0.000 min  
Lab File: VN071443.D  
Acq: 22 Mar 2022 02:08

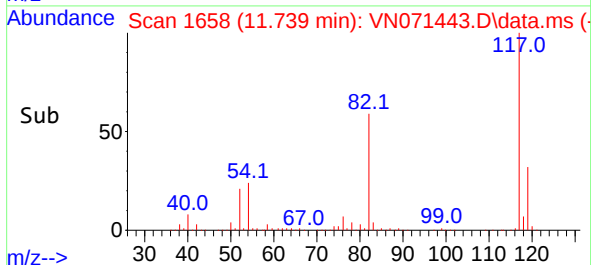
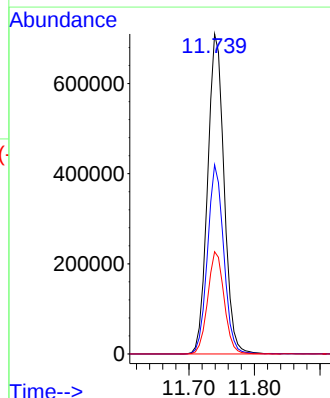
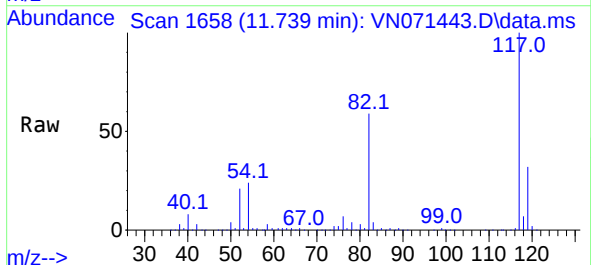
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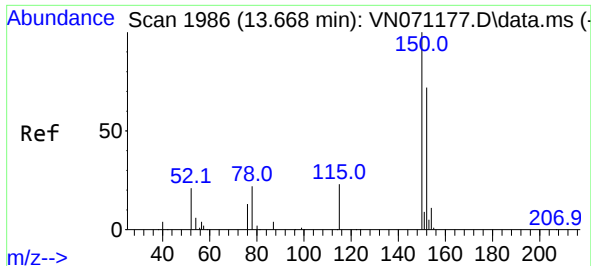
Tgt Ion: 95 Resp: 584351  
Ion Ratio Lower Upper  
95 100  
174 78.4 0.0 187.2  
176 75.6 0.0 181.4



#63  
Chlorobenzene-d5  
Concen: 50.000 ug/l  
RT: 11.739 min Scan# 1658  
Delta R.T. 0.000 min  
Lab File: VN071443.D  
Acq: 22 Mar 2022 02:08

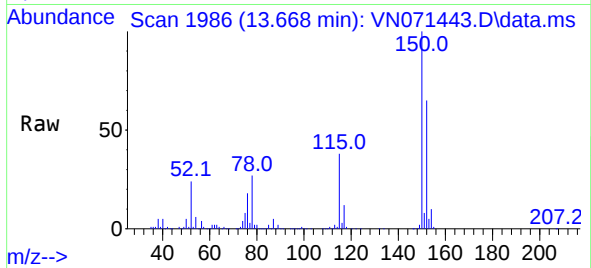
Tgt Ion: 117 Resp: 1241204  
Ion Ratio Lower Upper  
117 100  
82 59.1 42.4 63.6  
119 32.0 25.4 38.2





#72  
 1,4-Dichlorobenzene-d4  
 Concen: 50.000 ug/l  
 RT: 13.668 min Scan# 1986  
 Delta R.T. 0.000 min  
 Lab File: VN071443.D  
 Acq: 22 Mar 2022 02:08

Instrument :  
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Tgt Ion:152 Resp: 422049

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 152 | 100   |       |       |
| 115 | 58.1  | 27.5  | 82.5  |
| 150 | 156.5 | 0.0   | 344.4 |

