

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_N\Data\VN032023\  
 Data File : VN077072.D  
 Acq On : 20 Mar 2023 16:42  
 Operator : JC\MD  
 Sample : 01941-02DL 10X  
 Misc : 5.0mL/MSVOA\_N/WATER  
 ALS Vial : 15 Sample Multiplier: 1

Instrument :  
 MSVOA\_N  
 ClientSampleId :  
 TT180D2-20230313DL

Quant Time: Mar 21 05:38:07 2023  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_N\methods\82N031723W.M  
 Quant Title : SW846 8260  
 QLast Update : Mon Mar 20 08:50:30 2023  
 Response via : Initial Calibration

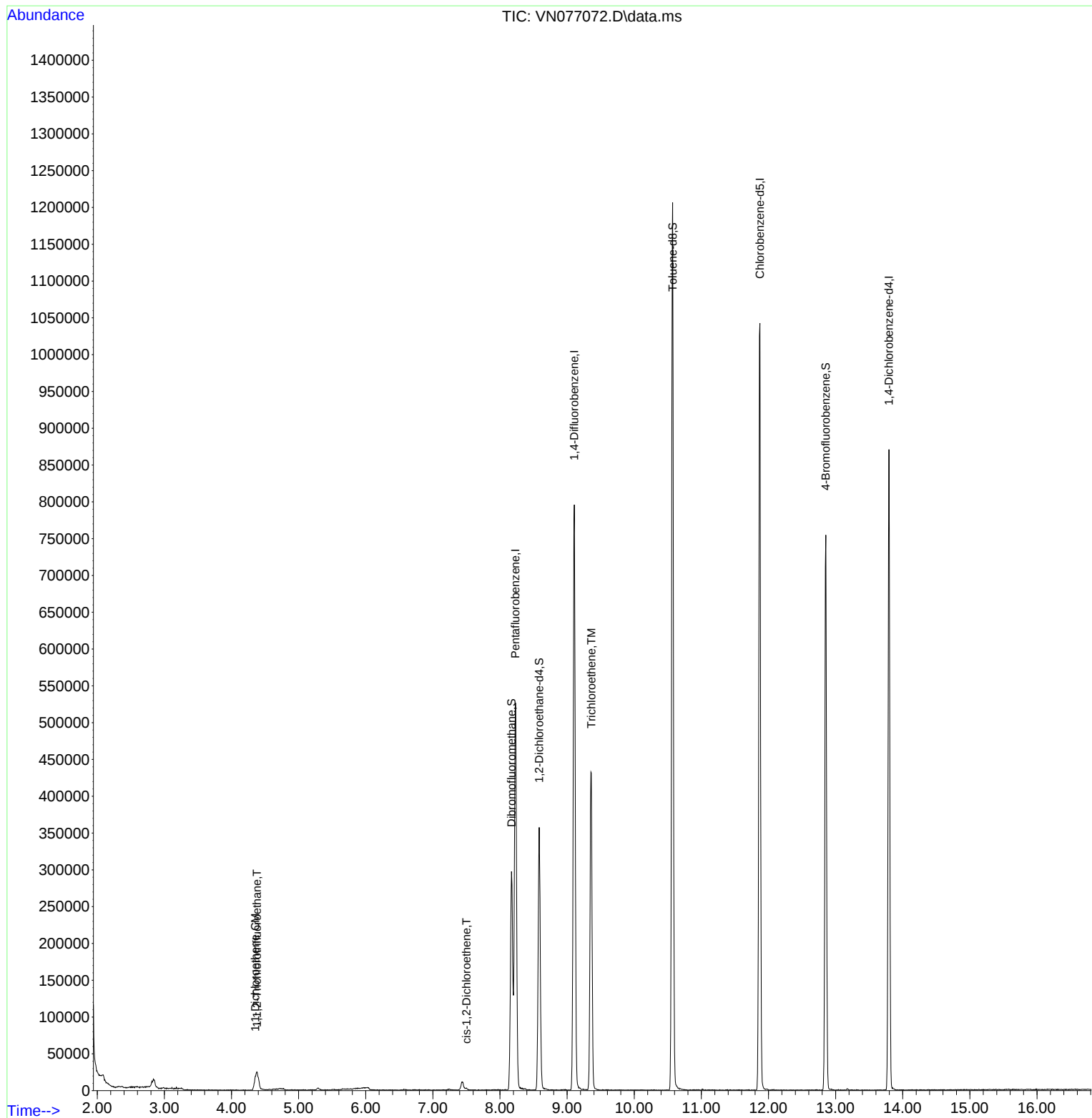
| Compound                     | R.T.           | QIon | Response   | Conc    | Units  | Dev(Min) |
|------------------------------|----------------|------|------------|---------|--------|----------|
| -----                        |                |      |            |         |        |          |
| Internal Standards           |                |      |            |         |        |          |
| 1) Pentafluorobenzene        | 8.231          | 168  | 368561     | 50.000  | ug/l   | 0.00     |
| 34) 1,4-Difluorobenzene      | 9.107          | 114  | 668664     | 50.000  | ug/l   | 0.00     |
| 63) Chlorobenzene-d5         | 11.872         | 117  | 600297     | 50.000  | ug/l   | 0.00     |
| 72) 1,4-Dichlorobenzene-d4   | 13.795         | 152  | 223566     | 50.000  | ug/l   | 0.00     |
|                              |                |      |            |         |        |          |
| System Monitoring Compounds  |                |      |            |         |        |          |
| 33) 1,2-Dichloroethane-d4    | 8.584          | 65   | 280098     | 47.578  | ug/l   | 0.00     |
| Spiked Amount 50.000         | Range 74 - 125 |      | Recovery = | 95.160% |        |          |
| 35) Dibromofluoromethane     | 8.172          | 113  | 215222     | 45.961  | ug/l   | 0.00     |
| Spiked Amount 50.000         | Range 75 - 124 |      | Recovery = | 91.920% |        |          |
| 50) Toluene-d8               | 10.572         | 98   | 817971     | 48.900  | ug/l   | 0.00     |
| Spiked Amount 50.000         | Range 86 - 113 |      | Recovery = | 97.800% |        |          |
| 62) 4-Bromofluorobenzene     | 12.854         | 95   | 272770     | 46.147  | ug/l   | 0.00     |
| Spiked Amount 50.000         | Range 83 - 123 |      | Recovery = | 92.300% |        |          |
|                              |                |      |            |         |        |          |
| Target Compounds             |                |      |            |         |        |          |
| 9) 1,1,2-Trichlorotrifluo... | 4.378          | 101  | 14521      | 2.969   | ug/l   | 95       |
| 12) 1,1-Dichloroethene       | 4.354          | 96   | 7409       | 1.656   | ug/l # | 70       |
| 27) cis-1,2-Dichloroethene   | 7.501          | 96   | 1349       | 0.243   | ug/l   | 74       |
| 44) Trichloroethene          | 9.360          | 130  | 159445     | 31.294  | ug/l   | 100      |
| -----                        |                |      |            |         |        |          |

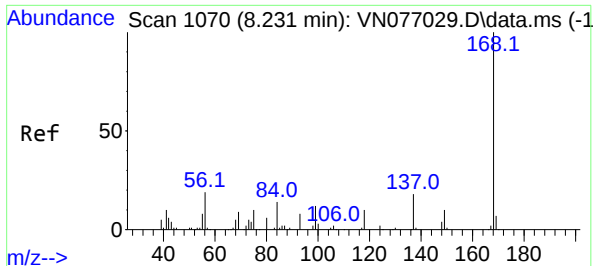
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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TT180D2-20230313DL

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Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_N\methods\82N031723W.M  
Quant Title : SW846 8260  
QLast Update : Mon Mar 20 08:50:30 2023  
Response via : Initial Calibration

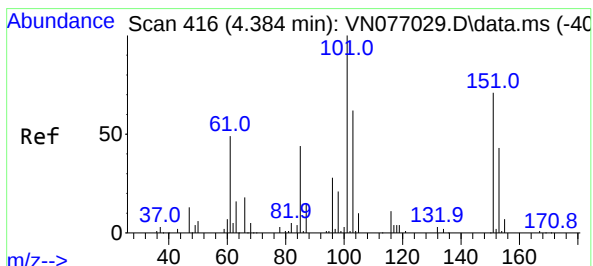
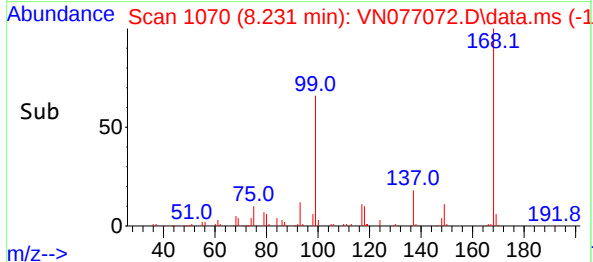
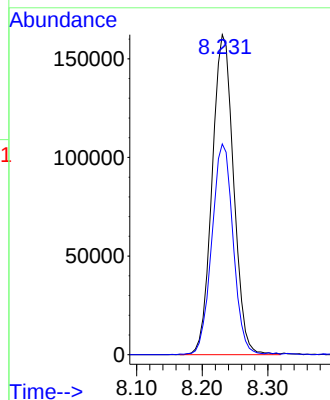
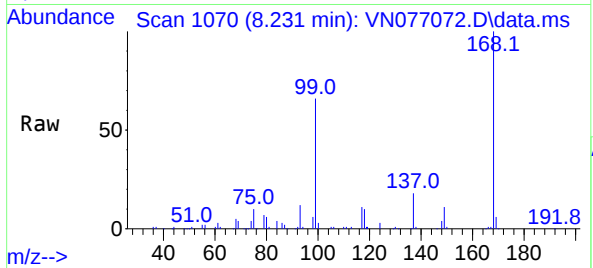




#1  
Pentafluorobenzene  
Concen: 50.000 ug/l  
RT: 8.231 min Scan# 1070  
Delta R.T. -0.000 min  
Lab File: VN077072.D  
Acq: 20 Mar 2023 16:42

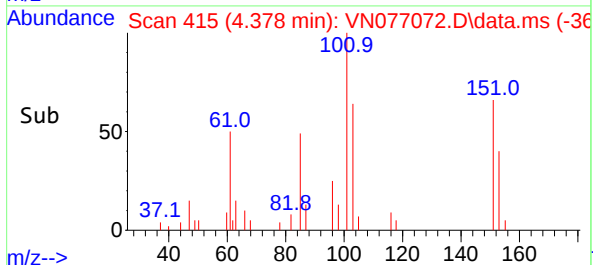
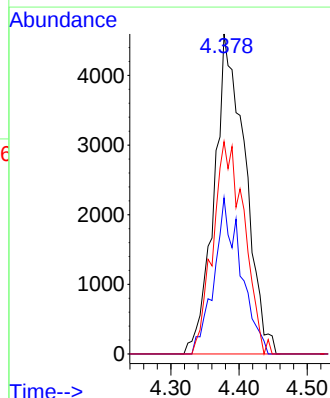
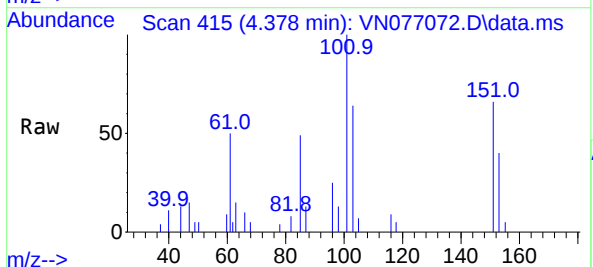
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MSVOA\_N  
ClientSampleId :  
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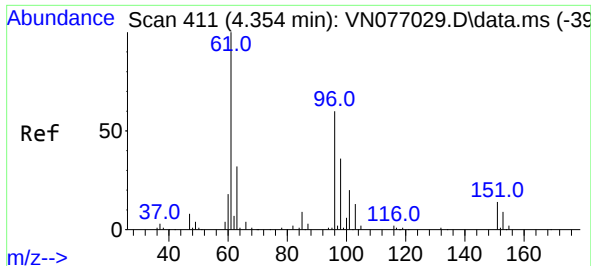
Tgt Ion:168 Resp: 368561  
Ion Ratio Lower Upper  
168 100  
99 65.7 53.9 80.9



#9  
1,1,2-Trichlorotrifluoroethane  
Concen: 2.969 ug/l  
RT: 4.378 min Scan# 415  
Delta R.T. -0.006 min  
Lab File: VN077072.D  
Acq: 20 Mar 2023 16:42

Tgt Ion:101 Resp: 14521  
Ion Ratio Lower Upper  
101 100  
85 42.5 36.6 55.0  
151 67.1 56.9 85.3

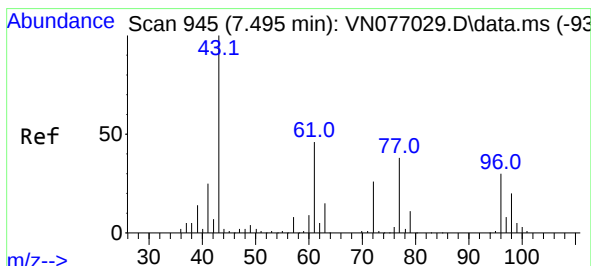
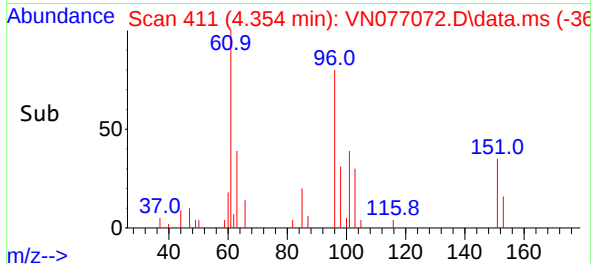
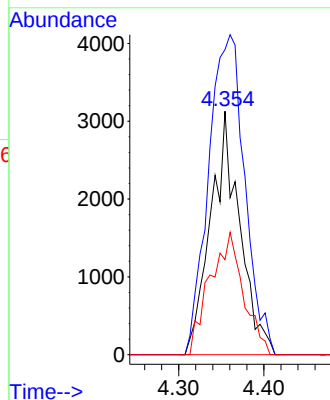
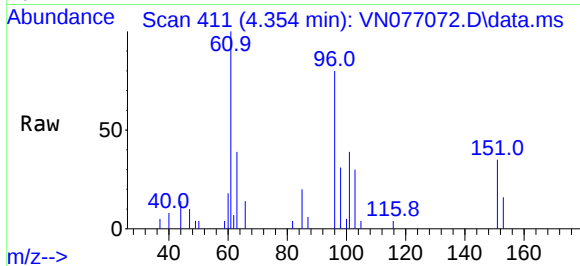




#12  
1,1-Dichloroethene  
Concen: 1.656 ug/l  
RT: 4.354 min Scan# 411  
Delta R.T. 0.000 min  
Lab File: VN077072.D  
Acq: 20 Mar 2023 16:42

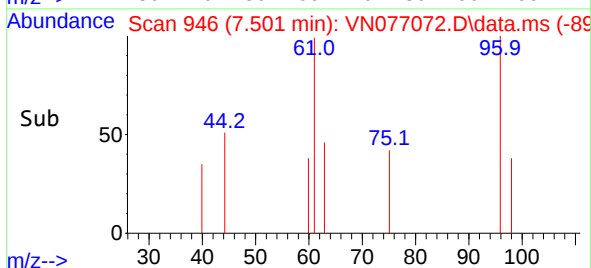
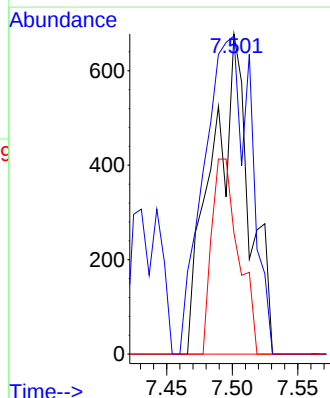
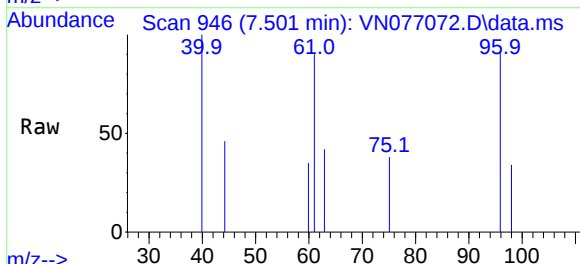
Instrument :  
MSVOA\_N  
ClientSampleId :  
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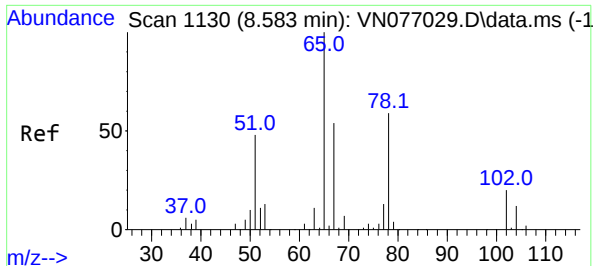
Tgt Ion: 96 Resp: 7409  
Ion Ratio Lower Upper  
96 100  
61 125.2 133.8 200.8#  
98 39.0 48.6 72.8#



#27  
cis-1,2-Dichloroethene  
Concen: 0.243 ug/l  
RT: 7.501 min Scan# 946  
Delta R.T. 0.006 min  
Lab File: VN077072.D  
Acq: 20 Mar 2023 16:42

Tgt Ion: 96 Resp: 1349  
Ion Ratio Lower Upper  
96 100  
61 123.2 0.0 315.4  
98 43.6 0.0 128.6

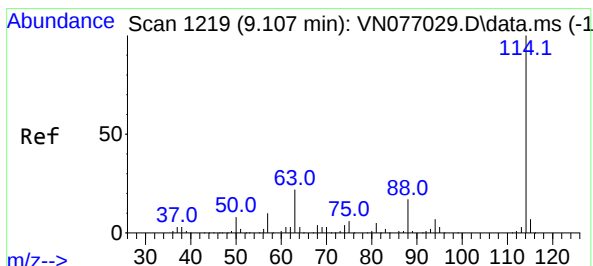
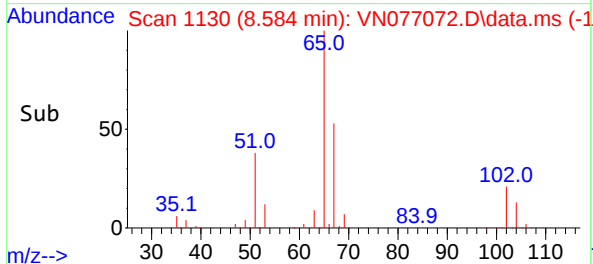
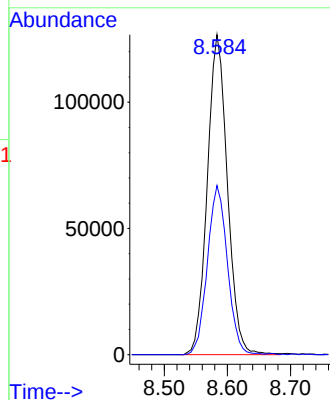
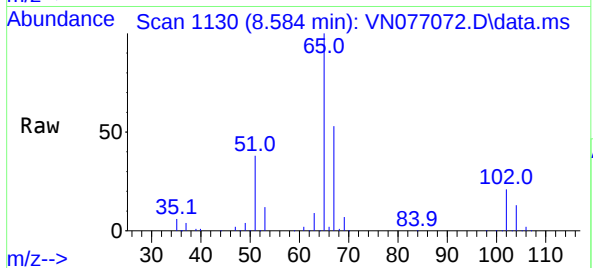




#33  
1,2-Dichloroethane-d4  
Concen: 47.578 ug/l  
RT: 8.584 min Scan# 1130  
Delta R.T. 0.001 min  
Lab File: VN077072.D  
Acq: 20 Mar 2023 16:42

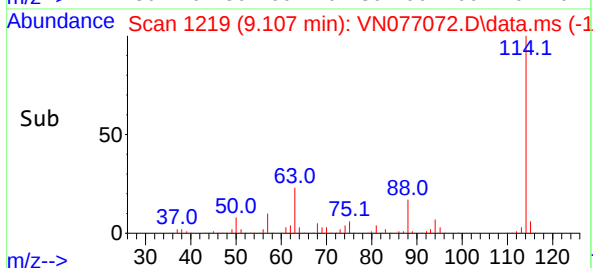
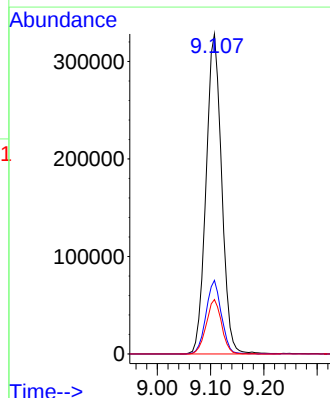
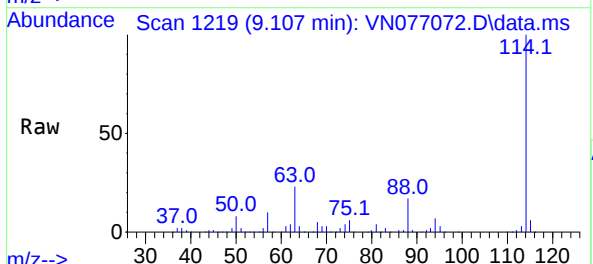
Instrument :  
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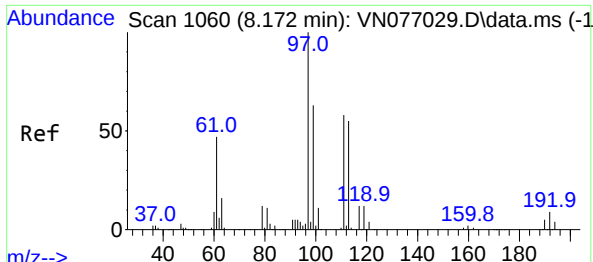
Tgt Ion: 65 Resp: 280098  
Ion Ratio Lower Upper  
65 100  
67 52.7 0.0 105.2



#34  
1,4-Difluorobenzene  
Concen: 50.000 ug/l  
RT: 9.107 min Scan# 1219  
Delta R.T. 0.000 min  
Lab File: VN077072.D  
Acq: 20 Mar 2023 16:42

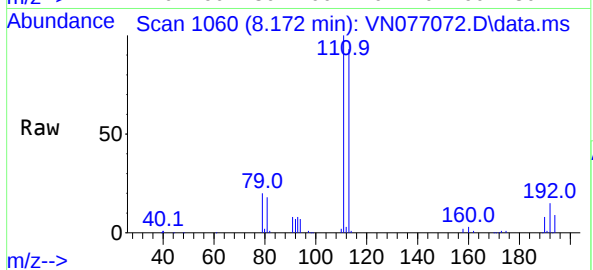
Tgt Ion: 114 Resp: 668664  
Ion Ratio Lower Upper  
114 100  
63 23.0 0.0 44.6  
88 17.0 0.0 33.8



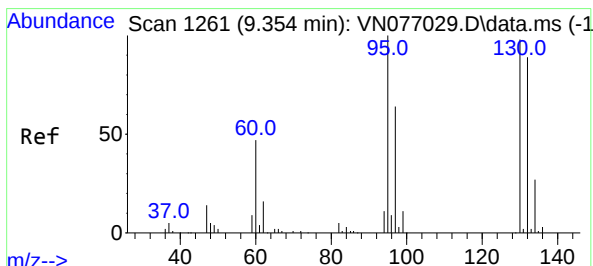
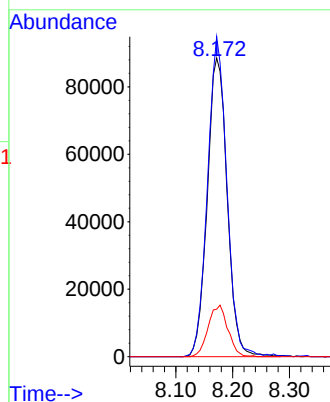
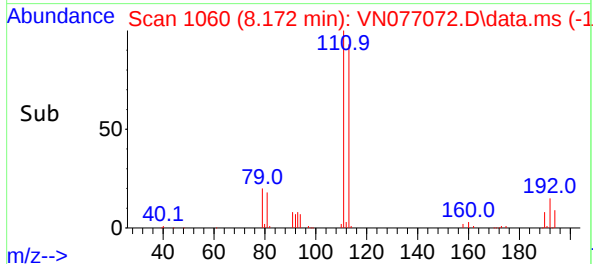


#35  
Dibromofluoromethane  
Concen: 45.961 ug/l  
RT: 8.172 min Scan# 1060  
Delta R.T. 0.000 min  
Lab File: VN077072.D  
Acq: 20 Mar 2023 16:42

Instrument :  
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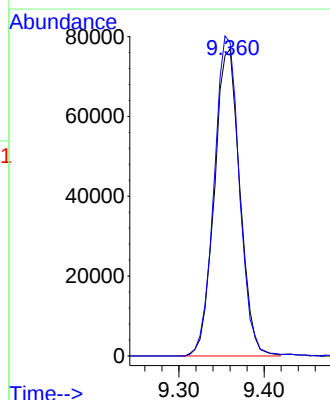
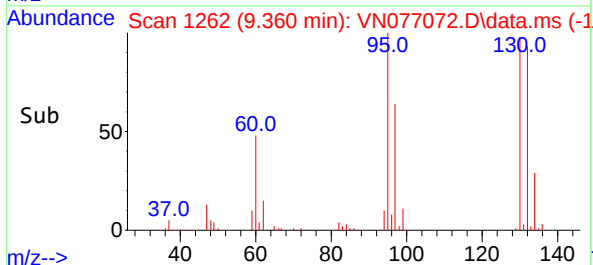
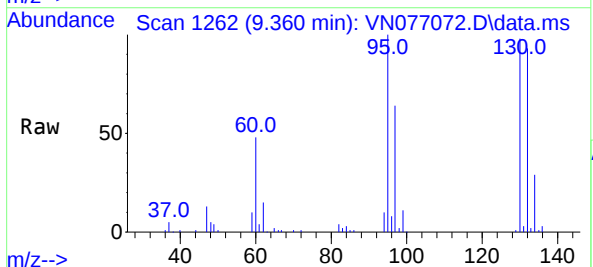


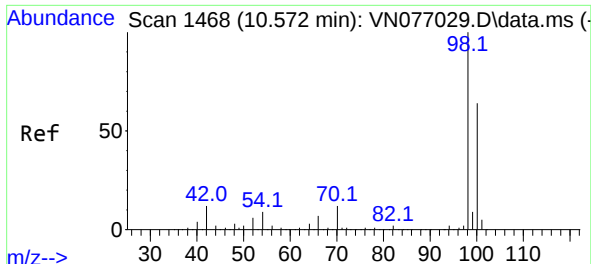
Tgt Ion:113 Resp: 215222  
Ion Ratio Lower Upper  
113 100  
111 103.5 82.2 123.2  
192 17.1 13.0 19.6



#44  
Trichloroethene  
Concen: 31.294 ug/l  
RT: 9.360 min Scan# 1262  
Delta R.T. 0.006 min  
Lab File: VN077072.D  
Acq: 20 Mar 2023 16:42

Tgt Ion:130 Resp: 159445  
Ion Ratio Lower Upper  
130 100  
95 102.1 0.0 204.4

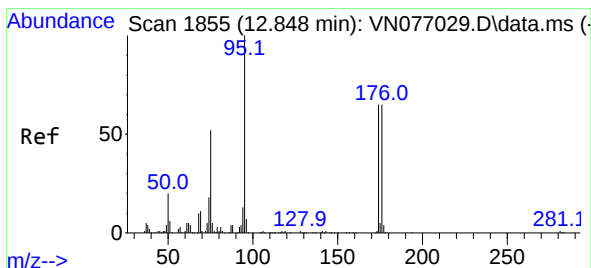
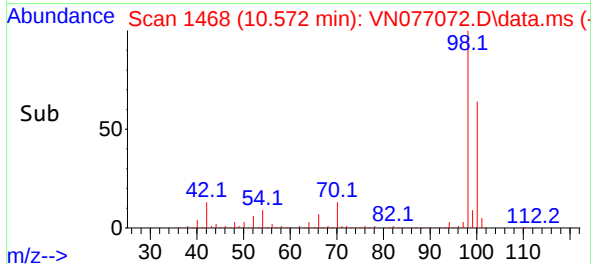
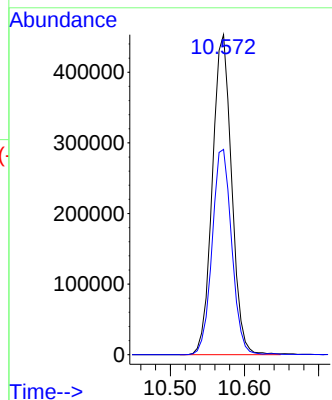
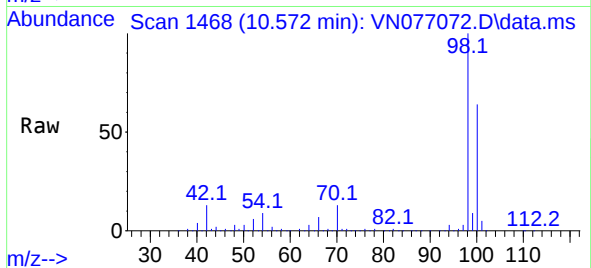




#50  
Toluene-d8  
Concen: 48.900 ug/l  
RT: 10.572 min Scan# 1468  
Delta R.T. 0.000 min  
Lab File: VN077072.D  
Acq: 20 Mar 2023 16:42

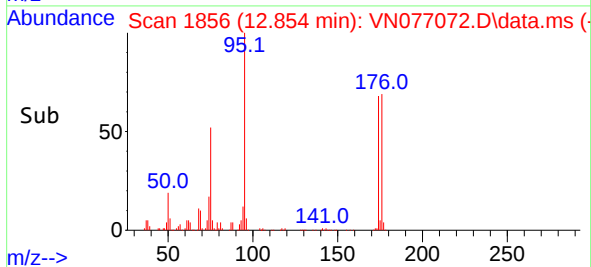
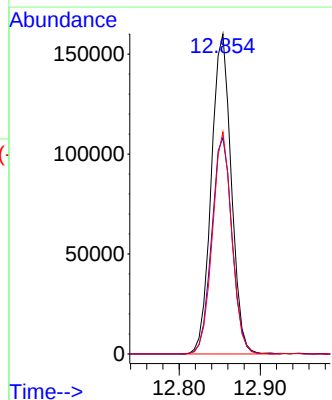
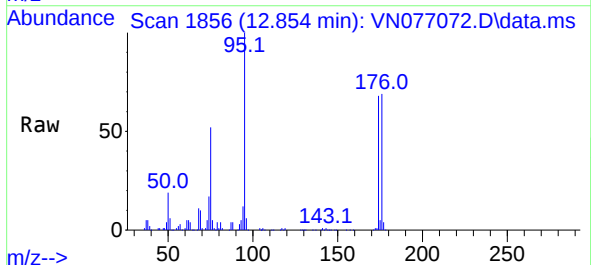
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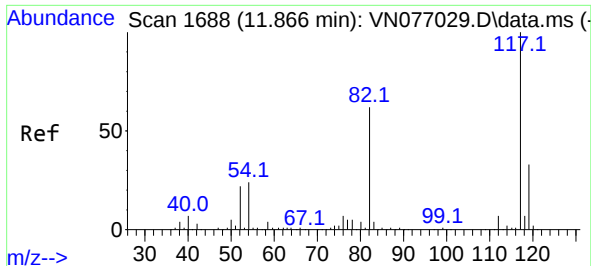
Tgt Ion: 98 Resp: 817971  
Ion Ratio Lower Upper  
98 100  
100 65.0 51.6 77.4



#62  
4-Bromofluorobenzene  
Concen: 46.147 ug/l  
RT: 12.854 min Scan# 1856  
Delta R.T. 0.006 min  
Lab File: VN077072.D  
Acq: 20 Mar 2023 16:42

Tgt Ion: 95 Resp: 272770  
Ion Ratio Lower Upper  
95 100  
174 69.0 0.0 136.6  
176 67.5 0.0 130.0

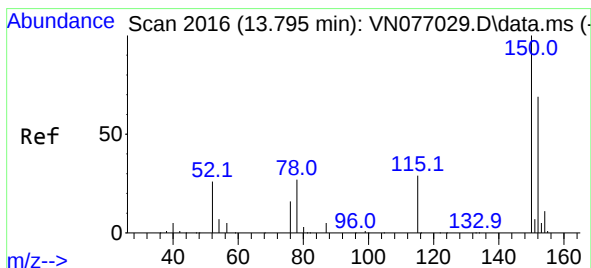
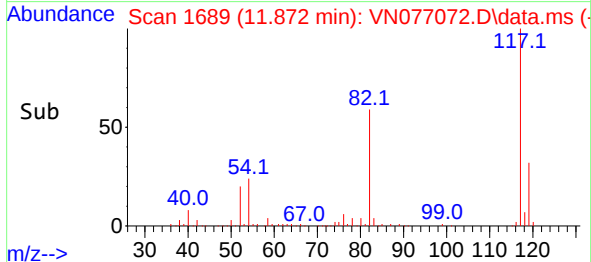
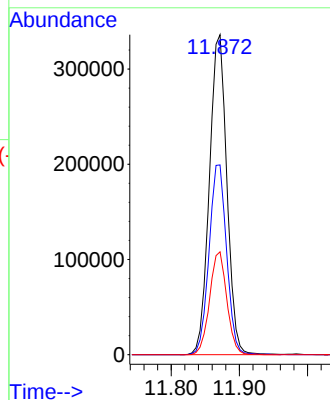
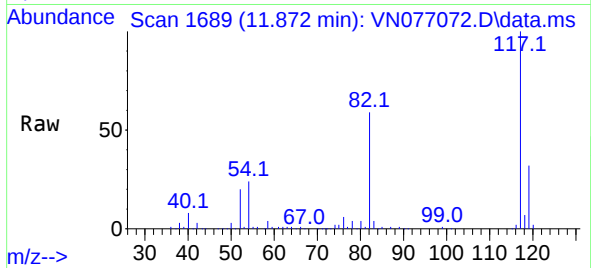




#63  
Chlorobenzene-d5  
Concen: 50.000 ug/l  
RT: 11.872 min Scan# 11  
Delta R.T. 0.006 min  
Lab File: VN077072.D  
Acq: 20 Mar 2023 16:42

Instrument :  
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Tgt Ion:117 Resp: 600297  
Ion Ratio Lower Upper  
117 100  
82 59.3 49.4 74.0  
119 32.2 26.5 39.7



#72  
1,4-Dichlorobenzene-d4  
Concen: 50.000 ug/l  
RT: 13.795 min Scan# 2016  
Delta R.T. -0.000 min  
Lab File: VN077072.D  
Acq: 20 Mar 2023 16:42

Tgt Ion:152 Resp: 223566  
Ion Ratio Lower Upper  
152 100  
115 65.3 31.9 95.7  
150 160.4 0.0 348.0

