

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_N\Data\VN102721\  
 Data File : VN069241.D  
 Acq On : 28 Oct 2021 1:36  
 Operator : JC/MD  
 Sample : M4338-17  
 Misc : 5.00mL/MSVOA\_N/WATER  
 ALS Vial : 35 Sample Multiplier: 1

Instrument :  
 MSVOA\_N  
 ClientSampleId :  
 MW-14S

Quant Time: Oct 28 11:03:25 2021  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_N\methods\82N101221W.M  
 Quant Title : SW846 8260  
 QLast Update : Wed Oct 13 05:44:40 2021  
 Response via : Initial Calibration

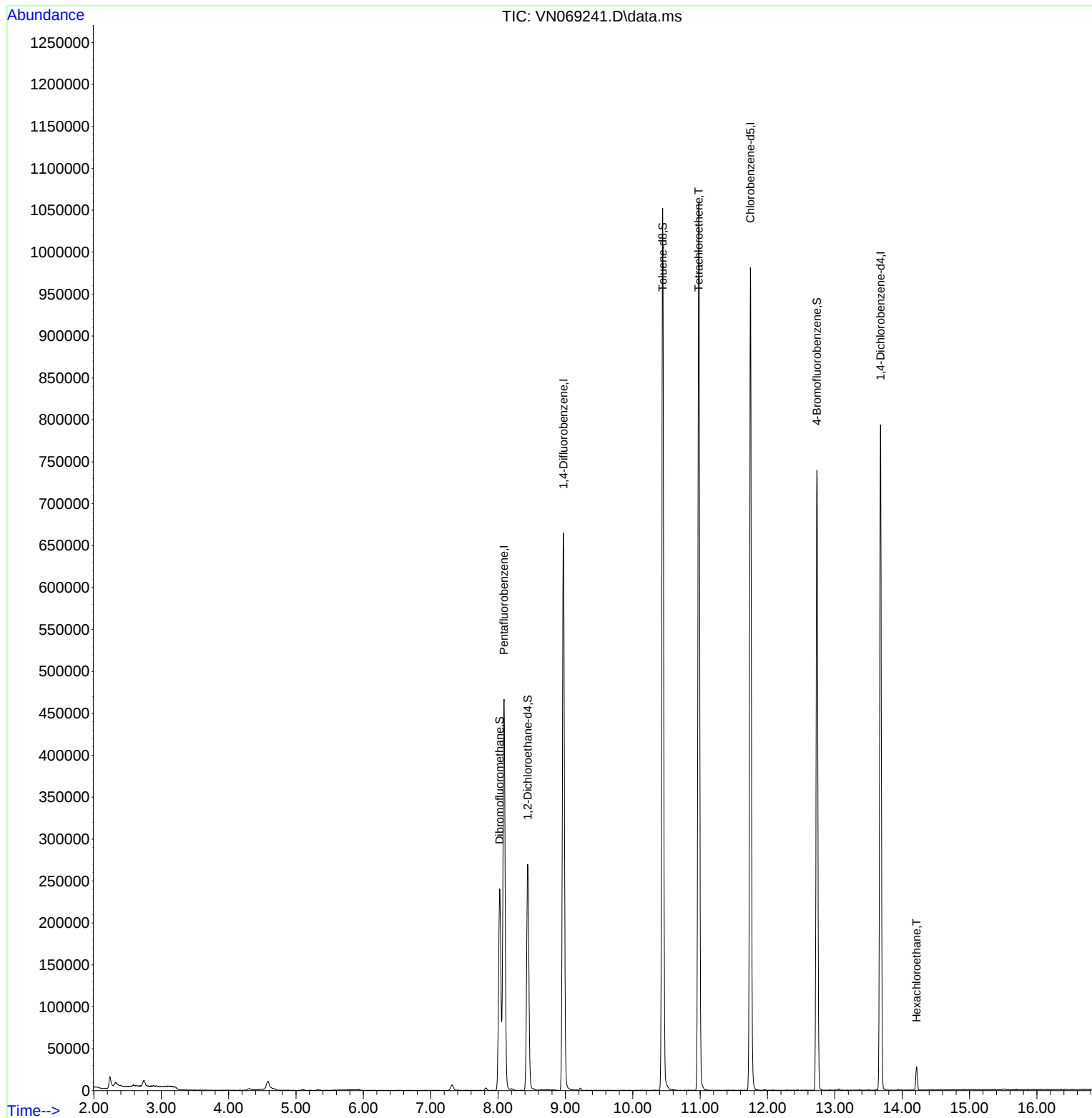
| Compound                    | R.T.           | QIon | Response            | Conc   | Units | Dev(Min) |
|-----------------------------|----------------|------|---------------------|--------|-------|----------|
| -----                       |                |      |                     |        |       |          |
| Internal Standards          |                |      |                     |        |       |          |
| 1) Pentafluorobenzene       | 8.088          | 168  | 347178              | 50.000 | ug/l  | 0.00     |
| 34) 1,4-Difluorobenzene     | 8.971          | 114  | 607125              | 50.000 | ug/l  | 0.00     |
| 63) Chlorobenzene-d5        | 11.747         | 117  | 575593              | 50.000 | ug/l  | 0.00     |
| 72) 1,4-Dichlorobenzene-d4  | 13.678         | 152  | 212592              | 50.000 | ug/l  | 0.00     |
|                             |                |      |                     |        |       |          |
| System Monitoring Compounds |                |      |                     |        |       |          |
| 33) 1,2-Dichloroethane-d4   | 8.440          | 65   | 233000              | 50.902 | ug/l  | 0.00     |
| Spiked Amount 50.000        | Range 61 - 141 |      | Recovery = 101.800% |        |       |          |
| 35) Dibromofluoromethane    | 8.024          | 113  | 177930              | 50.372 | ug/l  | 0.00     |
| Spiked Amount 50.000        | Range 69 - 133 |      | Recovery = 100.740% |        |       |          |
| 50) Toluene-d8              | 10.443         | 98   | 749597              | 53.038 | ug/l  | 0.00     |
| Spiked Amount 50.000        | Range 65 - 126 |      | Recovery = 106.080% |        |       |          |
| 62) 4-Bromofluorobenzene    | 12.734         | 95   | 266908              | 50.055 | ug/l  | 0.00     |
| Spiked Amount 50.000        | Range 58 - 135 |      | Recovery = 100.100% |        |       |          |
|                             |                |      |                     |        |       |          |
| Target Compounds            |                |      |                     |        |       | Qvalue   |
| 64) Tetrachloroethene       | 10.980         | 164  | 234613              | 63.274 | ug/l  | 99       |
| 90) Hexachloroethane        | 14.214         | 117  | 4061                | 1.356  | ug/l  | 94       |
| -----                       |                |      |                     |        |       |          |

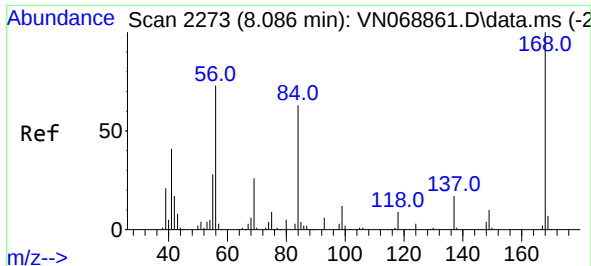
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Sample : M4338-17  
Misc : 5.00mL/MSVOA\_N/WATER  
ALS Vial : 35 Sample Multiplier: 1

Instrument :  
MSVOA\_N  
ClientSampleId :  
MW-14S

Quant Time: Oct 28 11:03:25 2021  
Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_N\methods\82N101221W.M  
Quant Title : SW846 8260  
QLast Update : Wed Oct 13 05:44:40 2021  
Response via : Initial Calibration

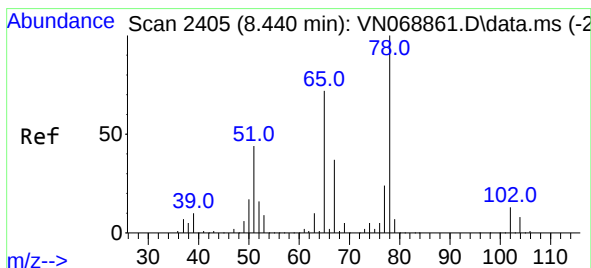
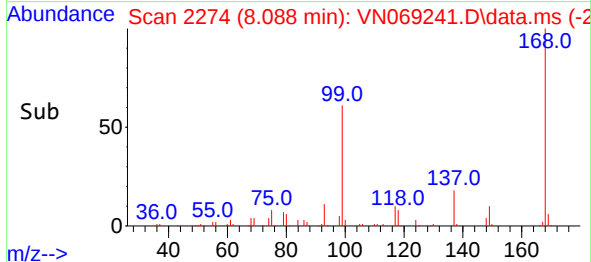
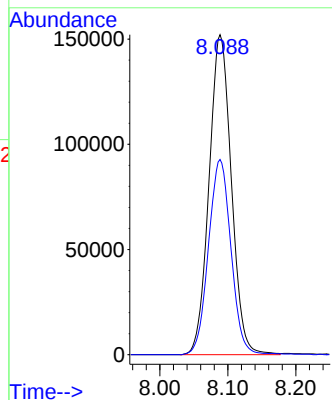
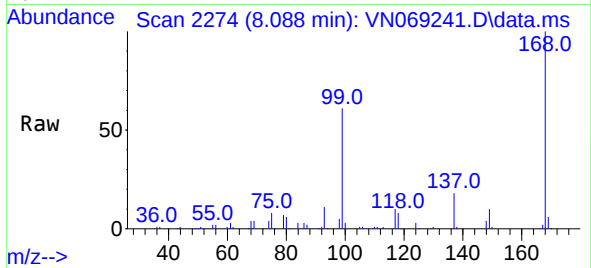




#1  
Pentafluorobenzene  
Concen: 50.000 ug/l  
RT: 8.088 min Scan# 2274  
Delta R.T. 0.002 min  
Lab File: VN069241.D  
Acq: 28 Oct 2021 1:36

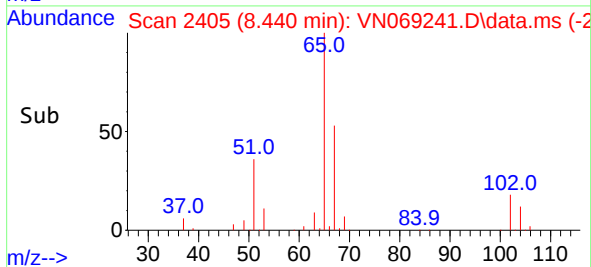
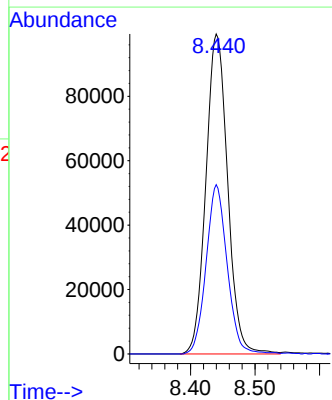
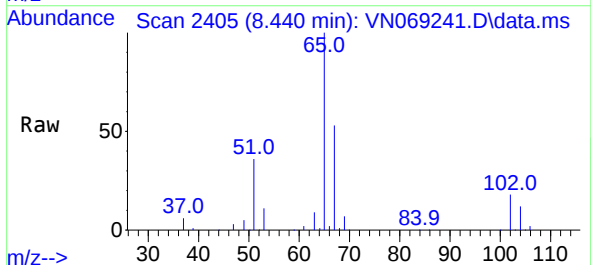
Instrument :  
MSVOA\_N  
ClientSampled :  
MW-14S

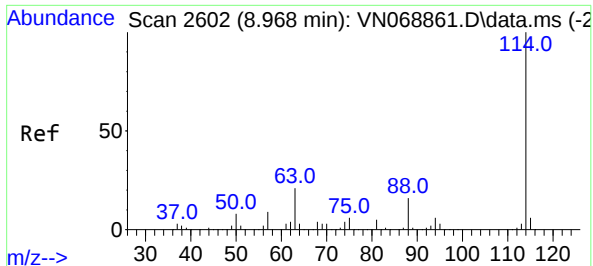
Tgt Ion:168 Resp: 347178  
Ion Ratio Lower Upper  
168 100  
99 61.0 48.9 73.3



#33  
1,2-Dichloroethane-d4  
Concen: 50.902 ug/l  
RT: 8.440 min Scan# 2405  
Delta R.T. 0.000 min  
Lab File: VN069241.D  
Acq: 28 Oct 2021 1:36

Tgt Ion: 65 Resp: 233000  
Ion Ratio Lower Upper  
65 100  
67 51.2 0.0 103.8

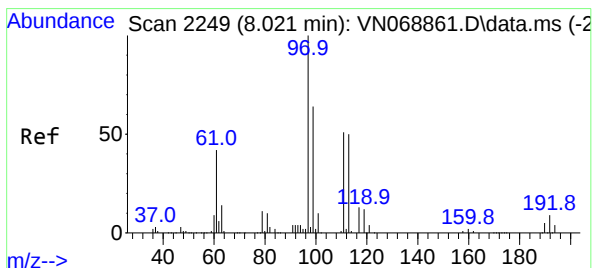
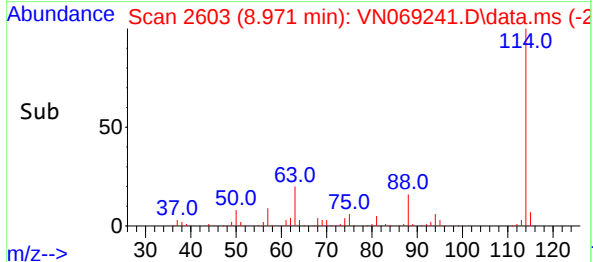
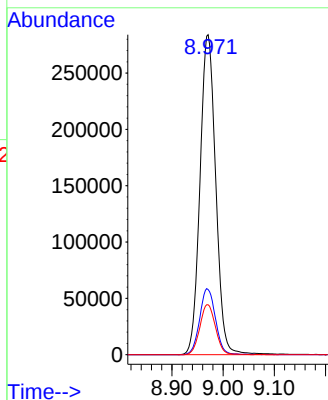
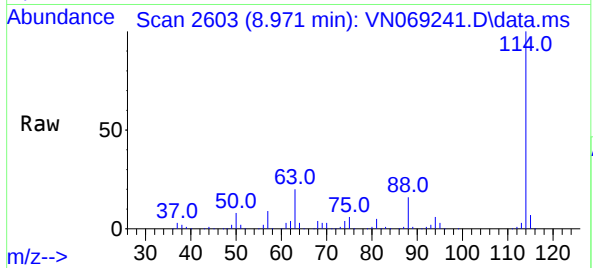




#34  
1,4-Difluorobenzene  
Concen: 50.000 ug/l  
RT: 8.971 min Scan# 2603  
Delta R.T. 0.003 min  
Lab File: VN069241.D  
Acq: 28 Oct 2021 1:36

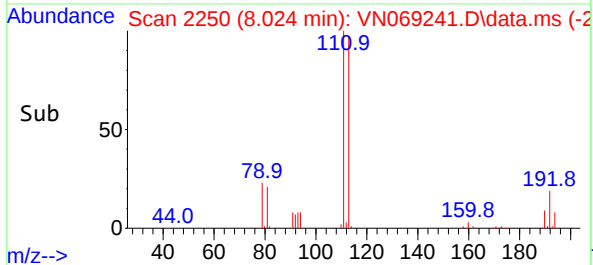
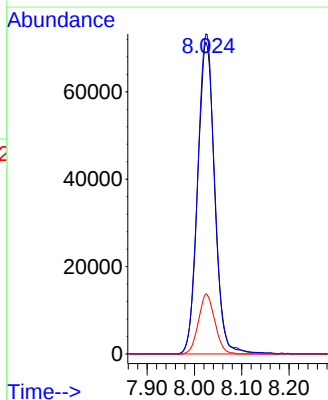
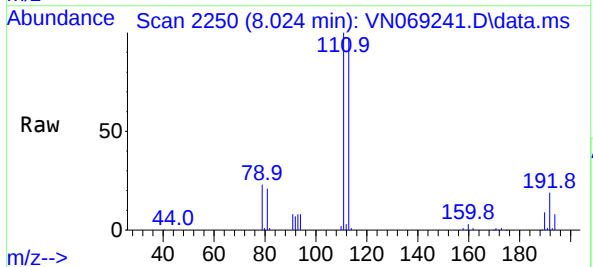
Instrument :  
MSVOA\_N  
ClientSampleId :  
MW-14S

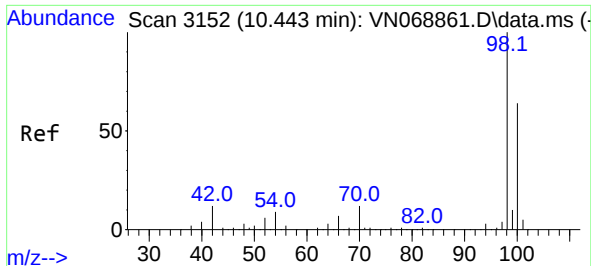
Tgt Ion:114 Resp: 607125  
Ion Ratio Lower Upper  
114 100  
63 20.3 0.0 42.6  
88 15.6 0.0 32.0



#35  
Dibromofluoromethane  
Concen: 50.372 ug/l  
RT: 8.024 min Scan# 2250  
Delta R.T. 0.003 min  
Lab File: VN069241.D  
Acq: 28 Oct 2021 1:36

Tgt Ion:113 Resp: 177930  
Ion Ratio Lower Upper  
113 100  
111 103.0 83.2 124.8  
192 18.5 15.0 22.4

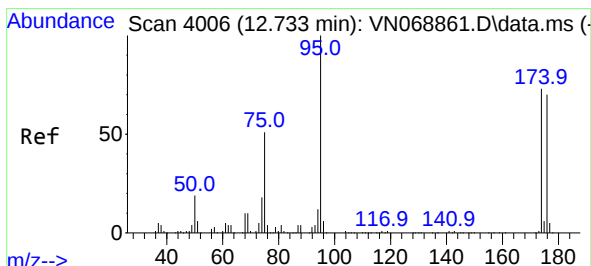
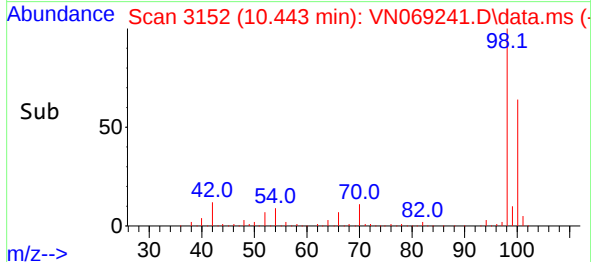
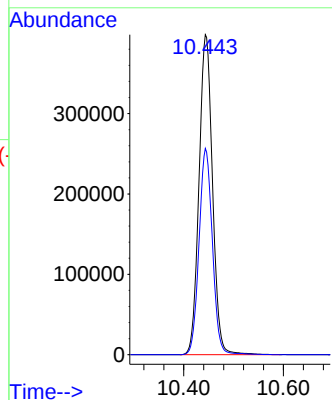
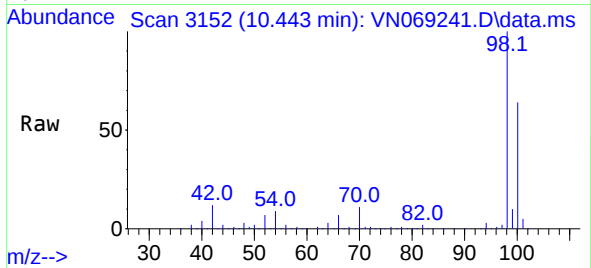




#50  
Toluene-d8  
Concen: 53.038 ug/l  
RT: 10.443 min Scan# 3152  
Delta R.T. 0.000 min  
Lab File: VN069241.D  
Acq: 28 Oct 2021 1:36

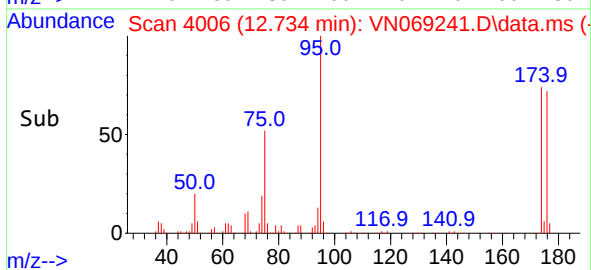
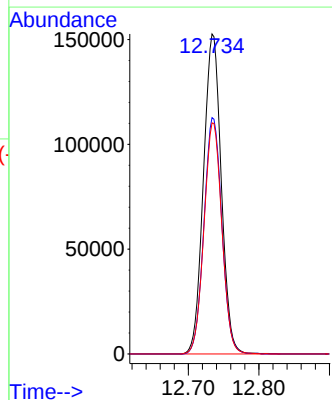
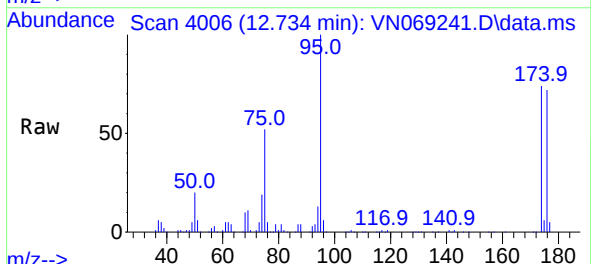
Instrument :  
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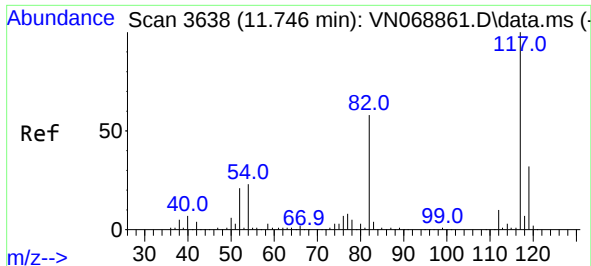
Tgt Ion: 98 Resp: 749597  
Ion Ratio Lower Upper  
98 100  
100 63.8 51.5 77.3



#62  
4-Bromofluorobenzene  
Concen: 50.055 ug/l  
RT: 12.734 min Scan# 4006  
Delta R.T. 0.000 min  
Lab File: VN069241.D  
Acq: 28 Oct 2021 1:36

Tgt Ion: 95 Resp: 266908  
Ion Ratio Lower Upper  
95 100  
174 74.2 0.0 144.8  
176 72.8 0.0 140.0



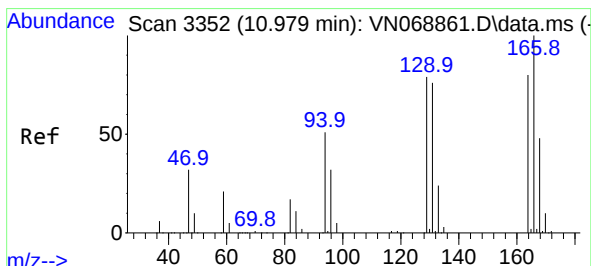
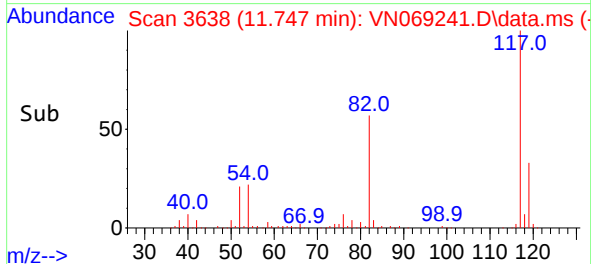
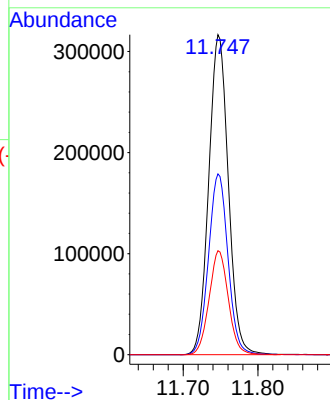
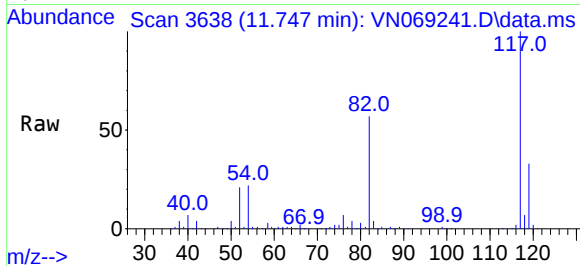


#63  
Chlorobenzene-d5  
Concen: 50.000 ug/l  
RT: 11.747 min Scan# 3638  
Delta R.T. 0.000 min  
Lab File: VN069241.D  
Acq: 28 Oct 2021 1:36

Instrument :  
MSVOA\_N  
ClientSampleId :  
MW-14S

Tgt Ion:117 Resp: 575593

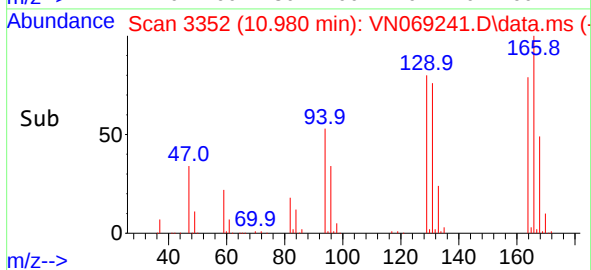
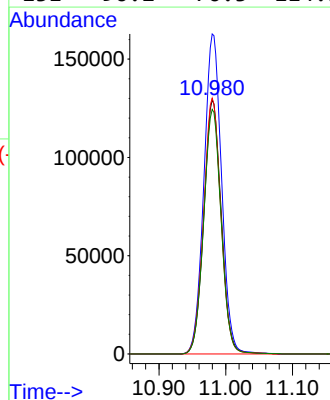
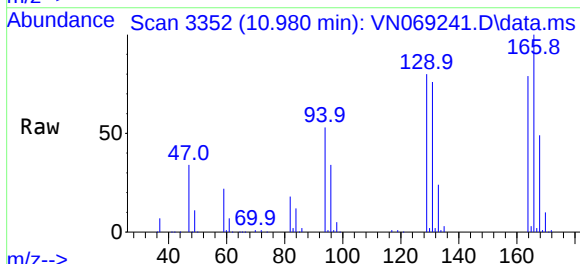
| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 117 | 100   |       |       |
| 82  | 56.5  | 46.4  | 69.6  |
| 119 | 32.5  | 26.0  | 39.0  |

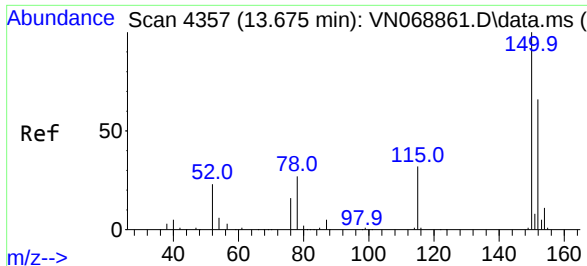


#64  
Tetrachloroethene  
Concen: 63.274 ug/l  
RT: 10.980 min Scan# 3352  
Delta R.T. 0.000 min  
Lab File: VN069241.D  
Acq: 28 Oct 2021 1:36

Tgt Ion:164 Resp: 234613

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 164 | 100   |       |       |
| 166 | 125.9 | 99.8  | 149.8 |
| 129 | 100.6 | 79.2  | 118.8 |
| 131 | 96.2  | 76.3  | 114.5 |

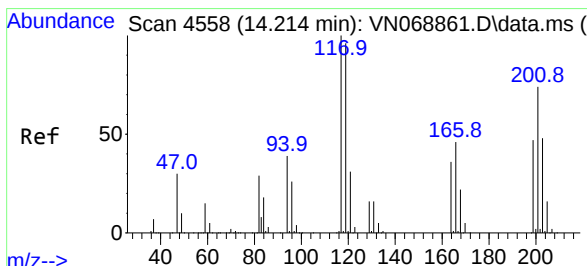
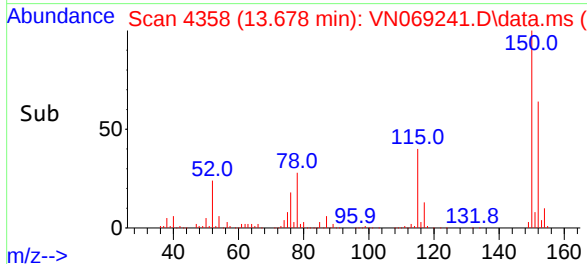
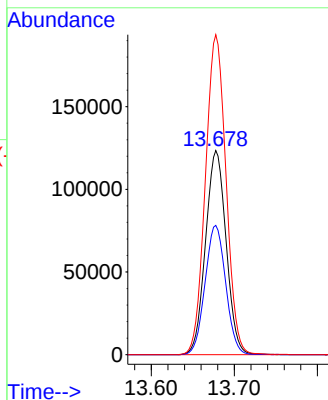
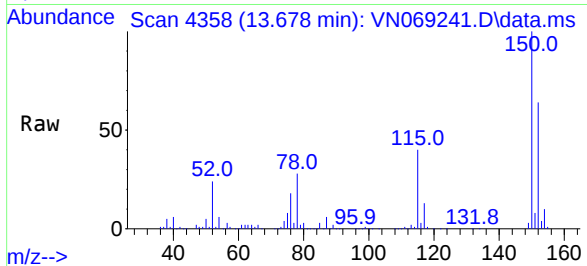




#72  
1,4-Dichlorobenzene-d4  
Concen: 50.000 ug/l  
RT: 13.678 min Scan# 4358  
Delta R.T. 0.003 min  
Lab File: VN069241.D  
Acq: 28 Oct 2021 1:36

Instrument :  
MSVOA\_N  
ClientSampled :  
MW-14S

Tgt Ion:152 Resp: 212592  
Ion Ratio Lower Upper  
152 100  
115 63.5 31.4 94.3  
150 156.8 0.0 351.0



#90  
Hexachloroethane  
Concen: 1.356 ug/l  
RT: 14.214 min Scan# 4558  
Delta R.T. 0.000 min  
Lab File: VN069241.D  
Acq: 28 Oct 2021 1:36

Tgt Ion:117 Resp: 4061  
Ion Ratio Lower Upper  
117 100  
201 79.4 37.1 111.5

