

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_N\Data\VN102721\  
 Data File : VN069228.D  
 Acq On : 27 Oct 2021 19:18  
 Operator : JC/MD  
 Sample : M4338-09  
 Misc : 5.00mL/MSVOA\_N/WATER  
 ALS Vial : 20 Sample Multiplier: 1

Instrument :  
 MSVOA\_N  
 ClientSampleId :  
 MW-2AD

Quant Time: Oct 28 05:22:49 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

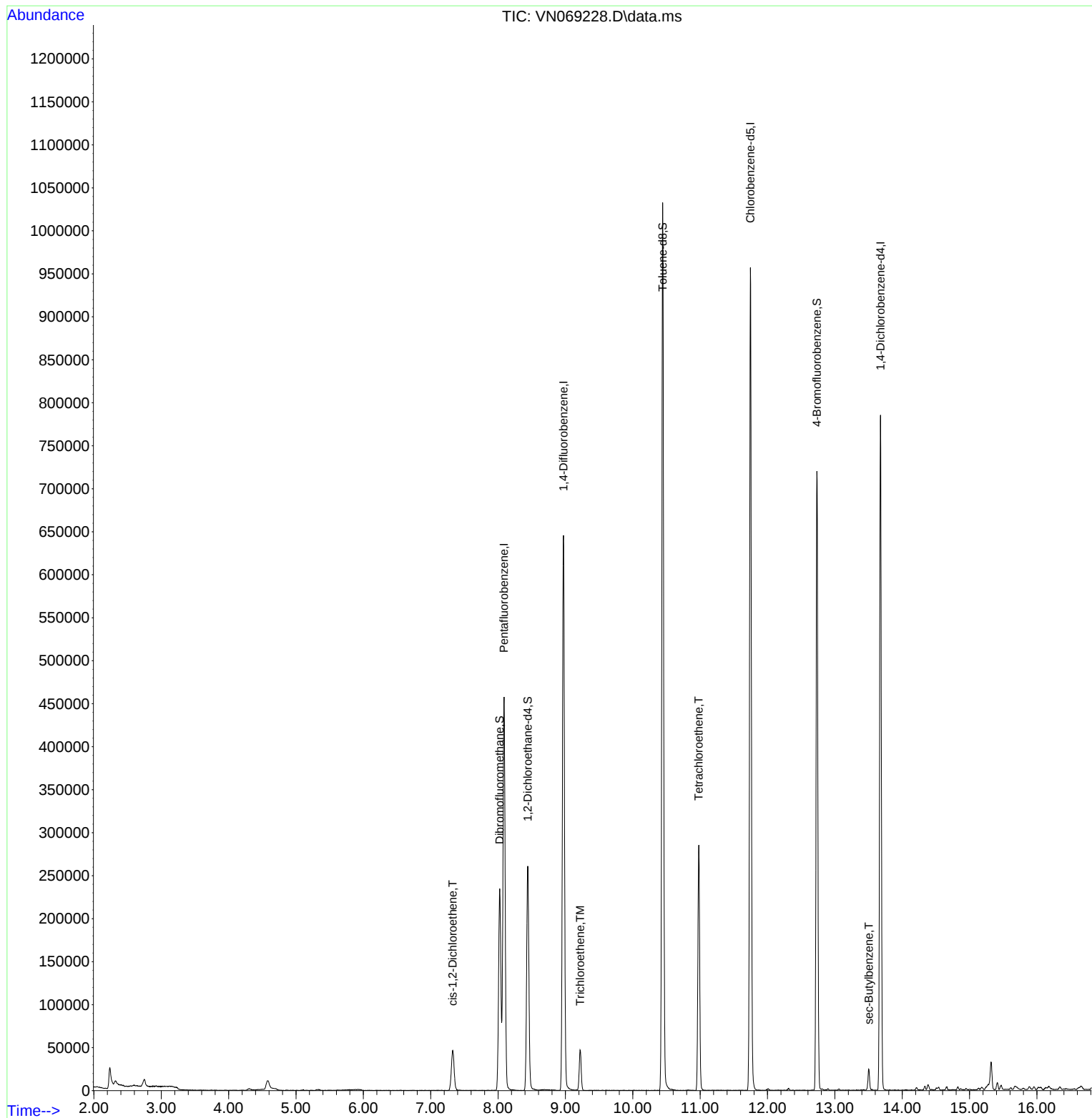
| Compound                    | R.T. QIon |       | Response | Conc     | Units      | Dev(Min) |
|-----------------------------|-----------|-------|----------|----------|------------|----------|
| -----                       |           |       |          |          |            |          |
| Internal Standards          |           |       |          |          |            |          |
| 1) Pentafluorobenzene       | 8.088     | 168   | 337463   | 50.000   | ug/l       | 0.00     |
| 34) 1,4-Difluorobenzene     | 8.971     | 114   | 591487   | 50.000   | ug/l       | 0.00     |
| 63) Chlorobenzene-d5        | 11.746    | 117   | 564696   | 50.000   | ug/l       | 0.00     |
| 72) 1,4-Dichlorobenzene-d4  | 13.677    | 152   | 208987   | 50.000   | ug/l       | 0.00     |
| System Monitoring Compounds |           |       |          |          |            |          |
| 33) 1,2-Dichloroethane-d4   | 8.440     | 65    | 222913   | 50.100   | ug/l       | 0.00     |
| Spiked Amount               | 50.000    | Range | 61 - 141 | Recovery | = 100.200% |          |
| 35) Dibromofluoromethane    | 8.024     | 113   | 172756   | 50.200   | ug/l       | 0.00     |
| Spiked Amount               | 50.000    | Range | 69 - 133 | Recovery | = 100.400% |          |
| 50) Toluene-d8              | 10.443    | 98    | 735225   | 53.396   | ug/l       | 0.00     |
| Spiked Amount               | 50.000    | Range | 65 - 126 | Recovery | = 106.800% |          |
| 62) 4-Bromofluorobenzene    | 12.733    | 95    | 258457   | 49.751   | ug/l       | 0.00     |
| Spiked Amount               | 50.000    | Range | 58 - 135 | Recovery | = 99.500%  |          |
| Target Compounds            |           |       |          |          |            |          |
|                             |           |       |          |          | Qvalue     |          |
| 27) cis-1,2-Dichloroethene  | 7.327     | 96    | 25319    | 5.946    | ug/l       | 91       |
| 44) Trichloroethene         | 9.217     | 130   | 17052    | 4.429    | ug/l       | 100      |
| 64) Tetrachloroethene       | 10.979    | 164   | 63743    | 17.523   | ug/l       | 97       |
| 85) sec-Butylbenzene        | 13.503    | 105   | 17523    | 1.003    | ug/l       | 95       |
| -----                       |           |       |          |          |            |          |

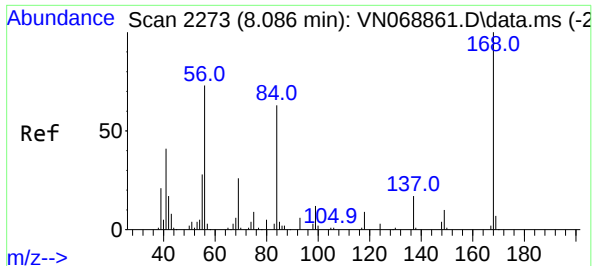
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_N\Data\VN102721\  
Data File : VN069228.D  
Acq On : 27 Oct 2021 19:18  
Operator : JC/MD  
Sample : M4338-09  
Misc : 5.00mL/MSVOA\_N/WATER  
ALS Vial : 20 Sample Multiplier: 1

Instrument :  
MSVOA\_N  
ClientSampleId :  
MW-2AD

Quant Time: Oct 28 05:22:49 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

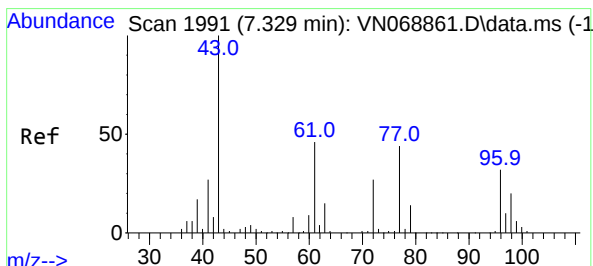
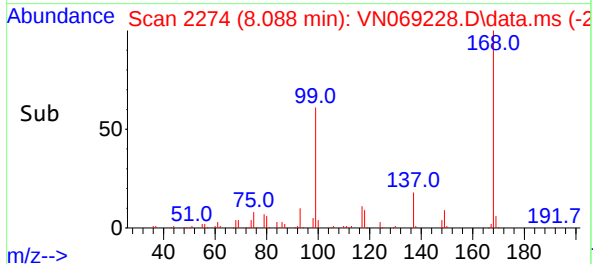
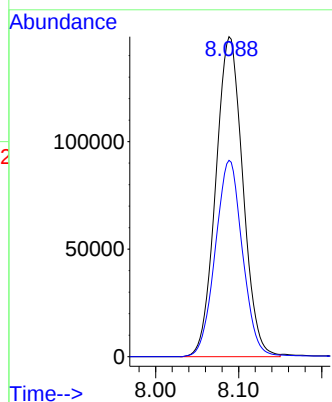
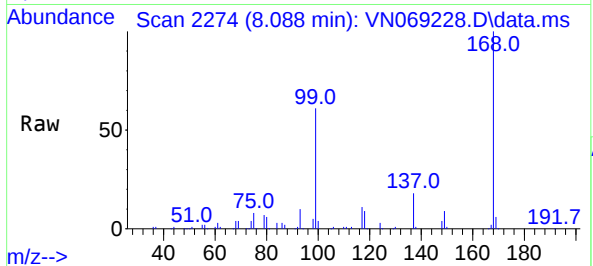




#1  
Pentafluorobenzene  
Concen: 50.000 ug/l  
RT: 8.088 min Scan# 2274  
Delta R.T. 0.002 min  
Lab File: VN069228.D  
Acq: 27 Oct 2021 19:18

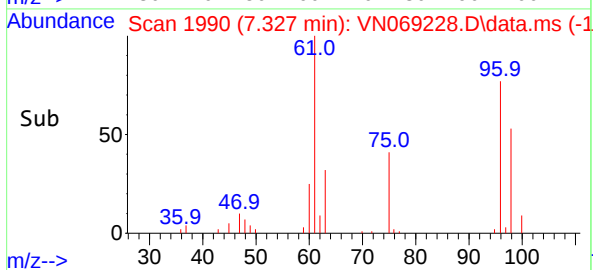
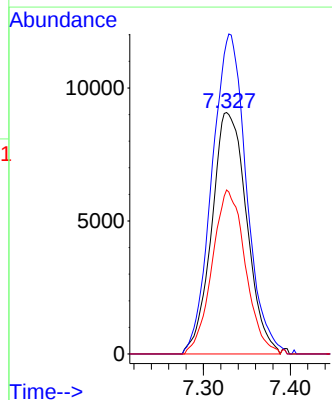
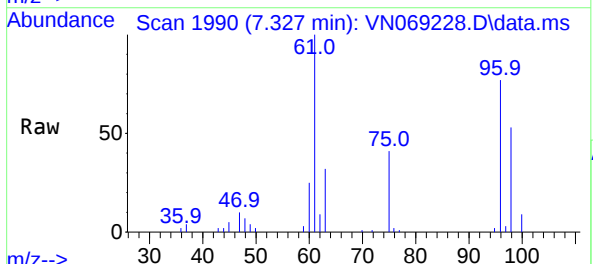
Instrument :  
MSVOA\_N  
ClientSampled :  
MW-2AD

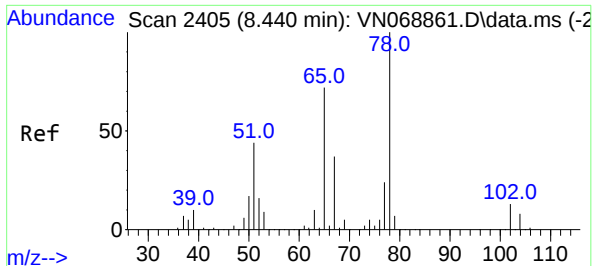
Tgt Ion:168 Resp: 337463  
Ion Ratio Lower Upper  
168 100  
99 61.3 48.9 73.3



#27  
cis-1,2-Dichloroethene  
Concen: 5.946 ug/l  
RT: 7.327 min Scan# 1990  
Delta R.T. -0.003 min  
Lab File: VN069228.D  
Acq: 27 Oct 2021 19:18

Tgt Ion: 96 Resp: 25319  
Ion Ratio Lower Upper  
96 100  
61 130.5 0.0 290.6  
98 64.6 0.0 127.2

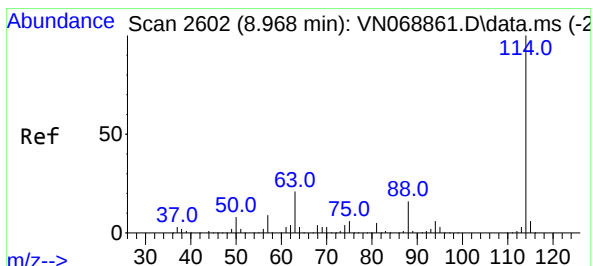
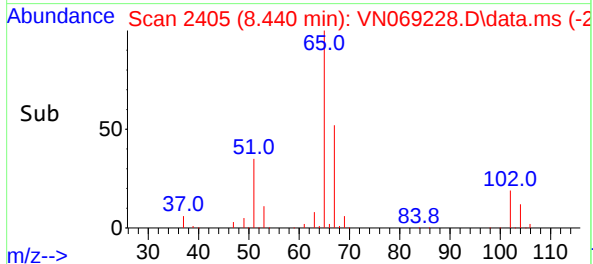
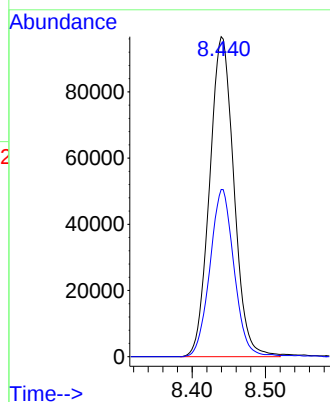
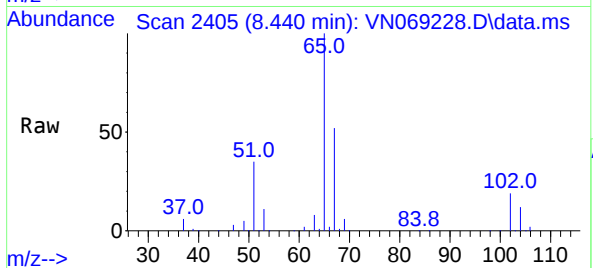




#33  
1,2-Dichloroethane-d4  
Concen: 50.100 ug/l  
RT: 8.440 min Scan# 2405  
Delta R.T. -0.000 min  
Lab File: VN069228.D  
Acq: 27 Oct 2021 19:18

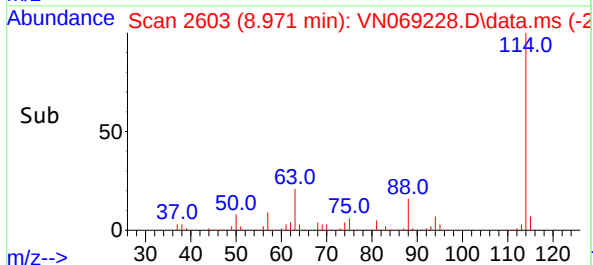
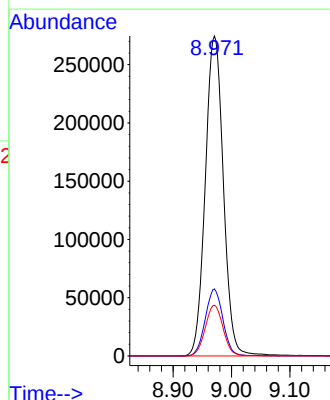
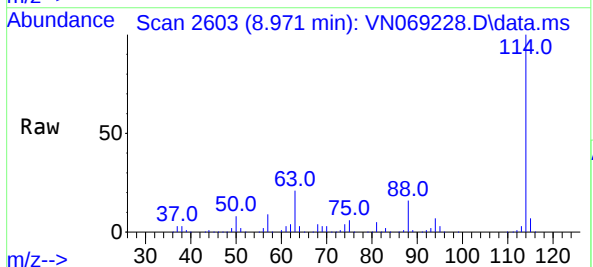
Instrument :  
MSVOA\_N  
ClientSampled :  
MW-2AD

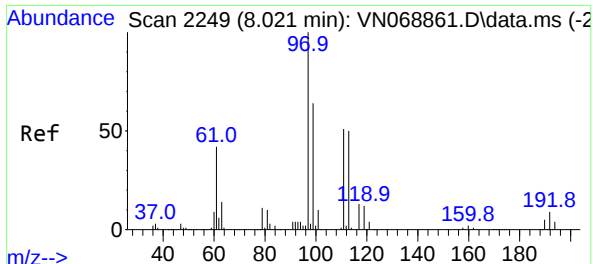
Tgt Ion: 65 Resp: 222913  
Ion Ratio Lower Upper  
65 100  
67 52.0 0.0 103.8



#34  
1,4-Difluorobenzene  
Concen: 50.000 ug/l  
RT: 8.971 min Scan# 2603  
Delta R.T. 0.003 min  
Lab File: VN069228.D  
Acq: 27 Oct 2021 19:18

Tgt Ion: 114 Resp: 591487  
Ion Ratio Lower Upper  
114 100  
63 21.0 0.0 42.6  
88 15.9 0.0 32.0

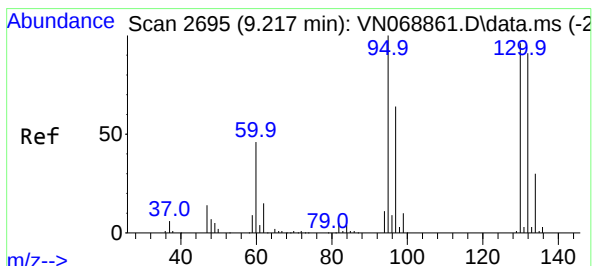
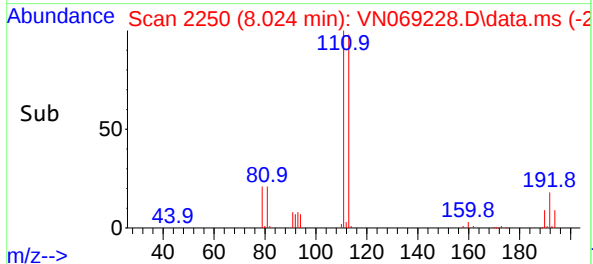
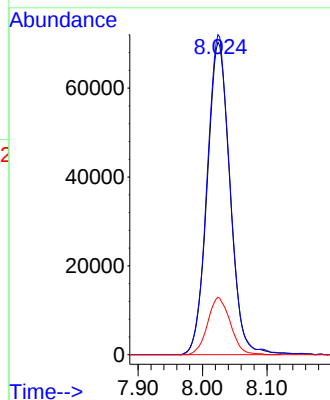
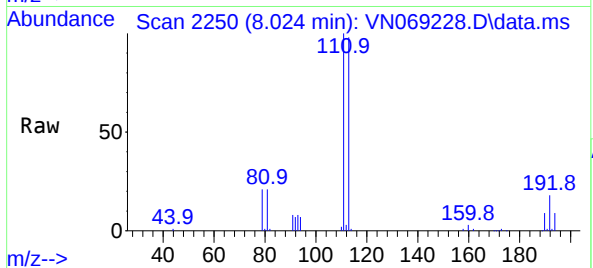




#35  
Dibromofluoromethane  
Concen: 50.200 ug/l  
RT: 8.024 min Scan# 2250  
Delta R.T. 0.003 min  
Lab File: VN069228.D  
Acq: 27 Oct 2021 19:18

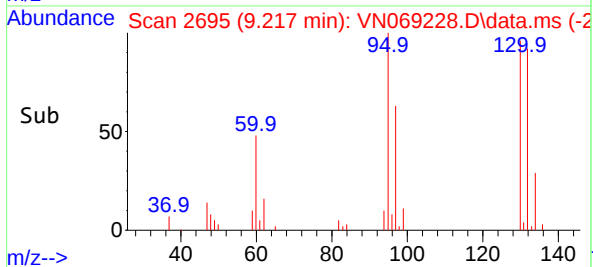
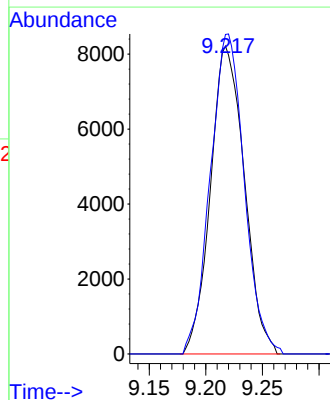
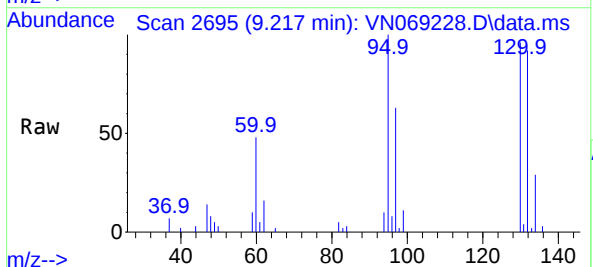
Instrument :  
MSVOA\_N  
ClientSampled :  
MW-2AD

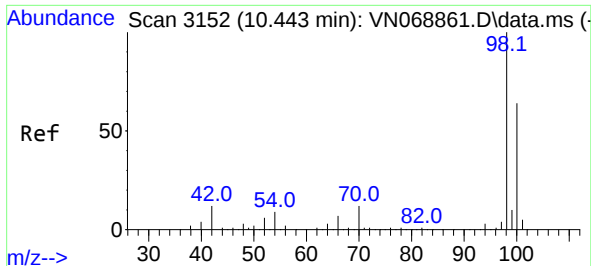
Tgt Ion:113 Resp: 172756  
Ion Ratio Lower Upper  
113 100  
111 101.6 83.2 124.8  
192 18.3 15.0 22.4



#44  
Trichloroethene  
Concen: 4.429 ug/l  
RT: 9.217 min Scan# 2695  
Delta R.T. -0.000 min  
Lab File: VN069228.D  
Acq: 27 Oct 2021 19:18

Tgt Ion:130 Resp: 17052  
Ion Ratio Lower Upper  
130 100  
95 103.8 0.0 208.0

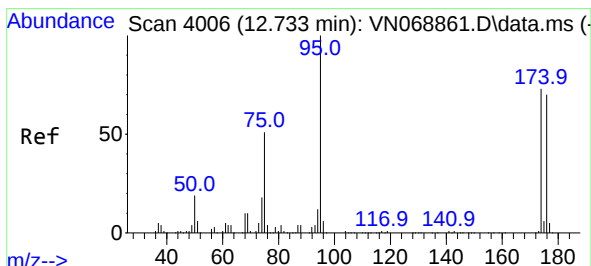
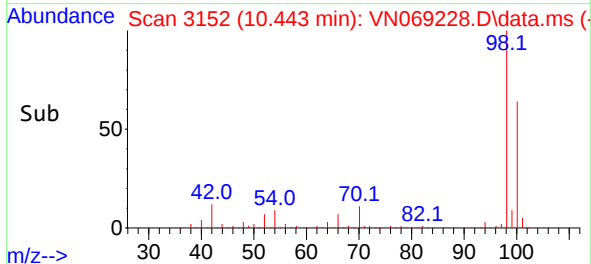
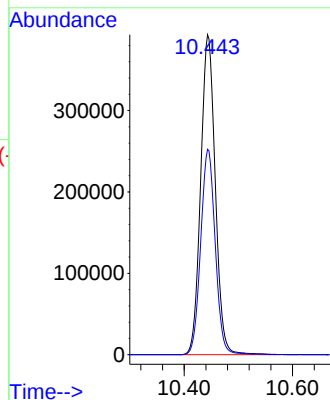
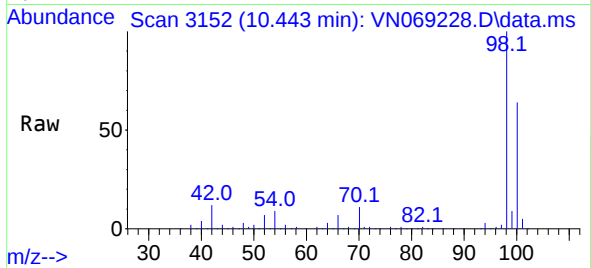




#50  
Toluene-d8  
Concen: 53.396 ug/l  
RT: 10.443 min Scan# 3152  
Delta R.T. -0.000 min  
Lab File: VN069228.D  
Acq: 27 Oct 2021 19:18

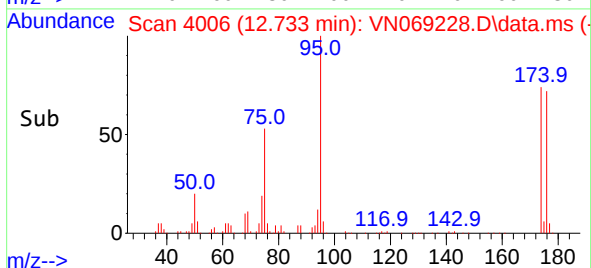
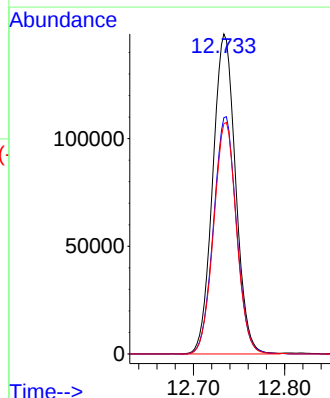
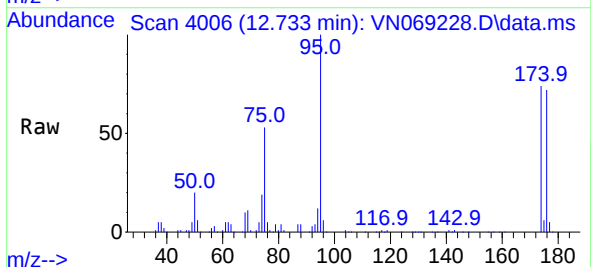
Instrument :  
MSVOA\_N  
ClientSampled :  
MW-2AD

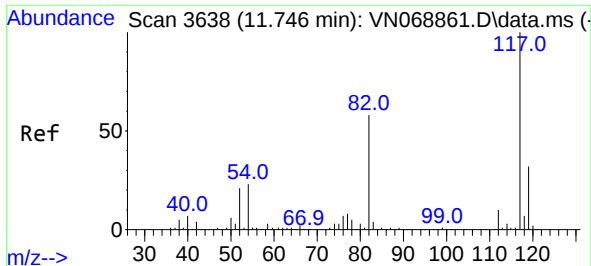
Tgt Ion: 98 Resp: 735225  
Ion Ratio Lower Upper  
98 100  
100 63.9 51.5 77.3



#62  
4-Bromofluorobenzene  
Concen: 49.751 ug/l  
RT: 12.733 min Scan# 4006  
Delta R.T. -0.000 min  
Lab File: VN069228.D  
Acq: 27 Oct 2021 19:18

Tgt Ion: 95 Resp: 258457  
Ion Ratio Lower Upper  
95 100  
174 74.4 0.0 144.8  
176 72.4 0.0 140.0



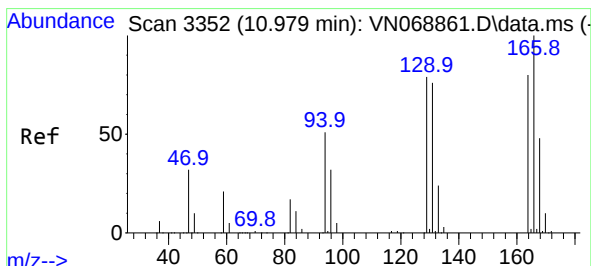
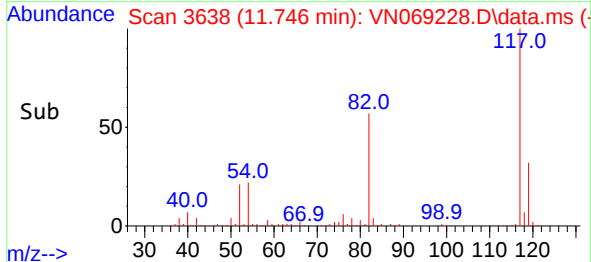
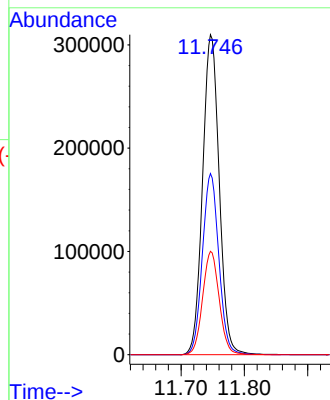
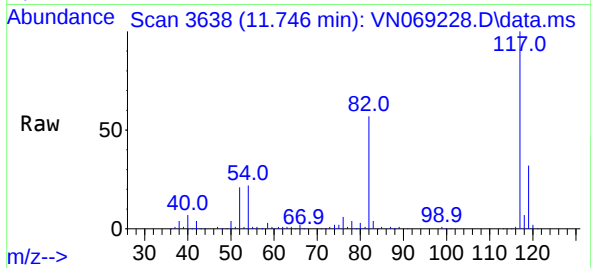


#63  
Chlorobenzene-d5  
Concen: 50.000 ug/l  
RT: 11.746 min Scan# 3638  
Delta R.T. -0.000 min  
Lab File: VN069228.D  
Acq: 27 Oct 2021 19:18

Instrument :  
MSVOA\_N  
ClientSampled :  
MW-2AD

Tgt Ion:117 Resp: 564696

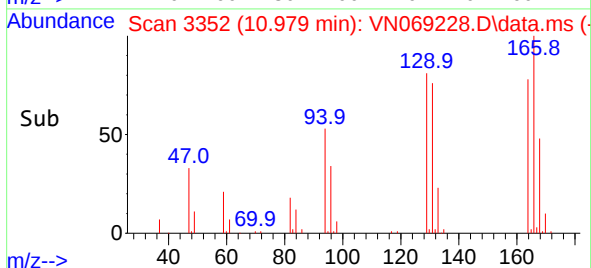
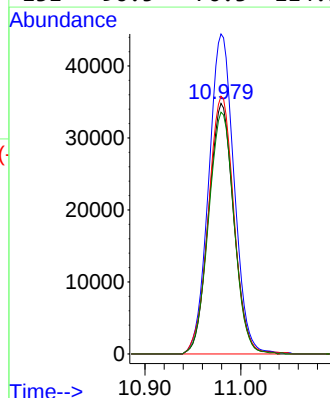
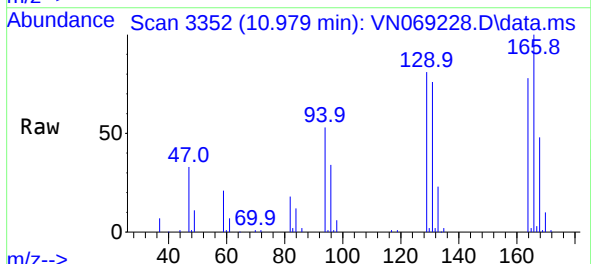
| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 117 | 100   |       |       |
| 82  | 56.6  | 46.4  | 69.6  |
| 119 | 32.3  | 26.0  | 39.0  |

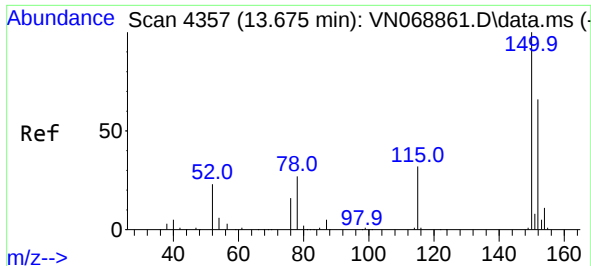


#64  
Tetrachloroethene  
Concen: 17.523 ug/l  
RT: 10.979 min Scan# 3352  
Delta R.T. -0.000 min  
Lab File: VN069228.D  
Acq: 27 Oct 2021 19:18

Tgt Ion:164 Resp: 63743

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 164 | 100   |       |       |
| 166 | 127.7 | 99.8  | 149.8 |
| 129 | 102.9 | 79.2  | 118.8 |
| 131 | 96.5  | 76.3  | 114.5 |

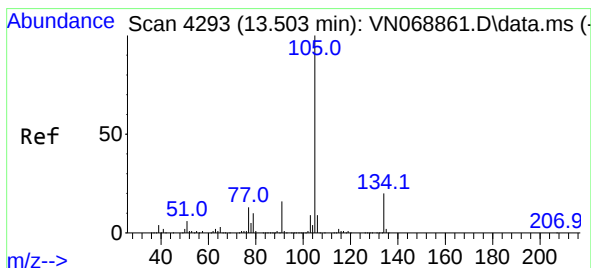
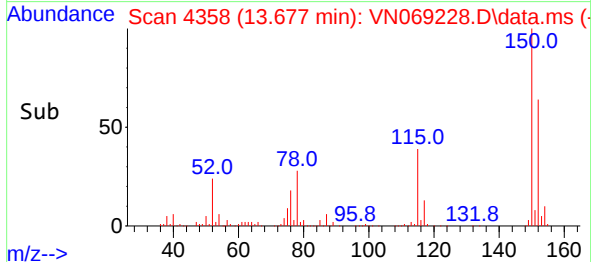
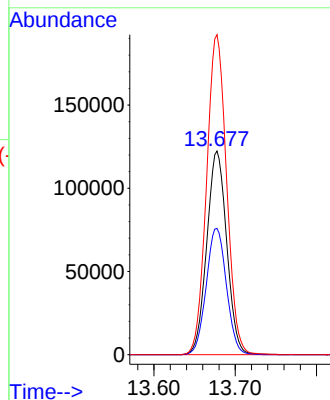
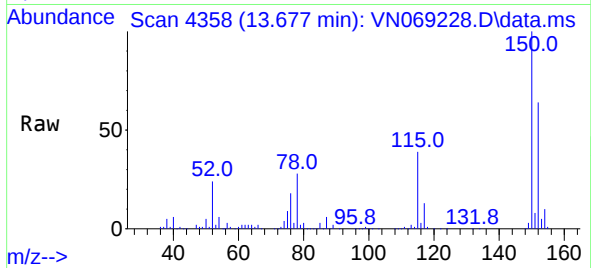




#72  
1,4-Dichlorobenzene-d4  
Concen: 50.000 ug/l  
RT: 13.677 min Scan# 4358  
Delta R.T. 0.003 min  
Lab File: VN069228.D  
Acq: 27 Oct 2021 19:18

Instrument :  
MSVOA\_N  
ClientSampleId :  
MW-2AD

Tgt Ion:152 Resp: 208987  
Ion Ratio Lower Upper  
152 100  
115 62.9 31.4 94.3  
150 157.3 0.0 351.0



#85  
sec-Butylbenzene  
Concen: 1.003 ug/l  
RT: 13.503 min Scan# 4293  
Delta R.T. -0.000 min  
Lab File: VN069228.D  
Acq: 27 Oct 2021 19:18

Tgt Ion:105 Resp: 17523  
Ion Ratio Lower Upper  
105 100  
134 22.1 9.8 29.4

