

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_V\Data\VV050123\  
 Data File : VV030958.D  
 Acq On : 01 May 2023 16:13  
 Operator : SY/MD  
 Sample : 02551-04DL 500X  
 Misc : 25.0mL/MSVOA\_V/WATER  
 ALS Vial : 17 Sample Multiplier: 1

Instrument :  
 MSVOA\_V  
 ClientSampleId :  
 BHE80DL

Quant Time: May 02 01:34:30 2023  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_V\Method\SFAMVTR042823WMA.M  
 Quant Title : TRACE VOA SFAM1.0  
 QLast Update : Sat Apr 29 01:06:38 2023  
 Response via : Initial Calibration

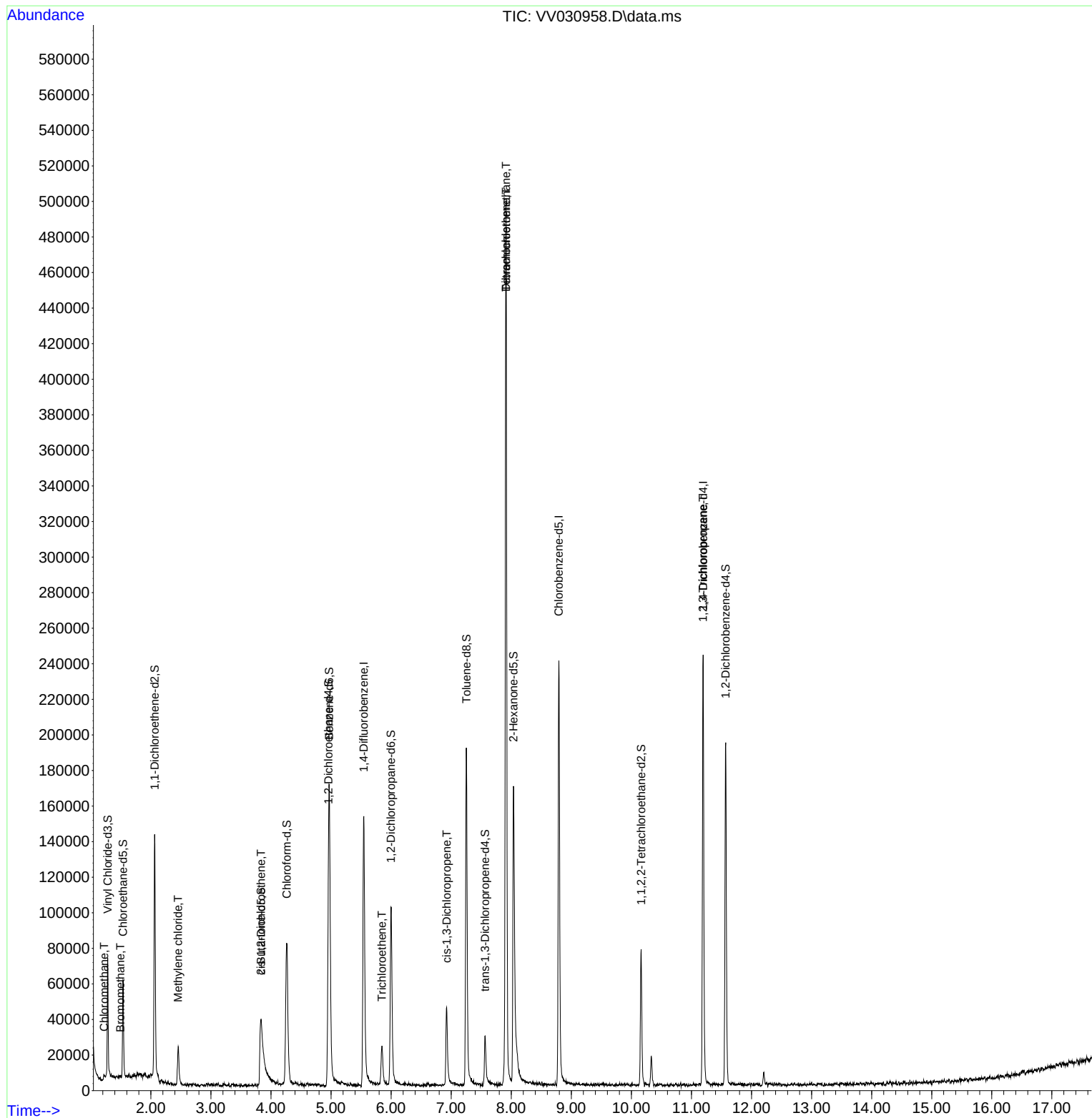
| Compound                      | R.T.   | QIon  | Response | Conc     | Units  | Dev(Min) |
|-------------------------------|--------|-------|----------|----------|--------|----------|
| -----                         |        |       |          |          |        |          |
| Internal Standards            |        |       |          |          |        |          |
| 1) 1,4-Difluorobenzene        | 5.545  | 114   | 131175   | 5.000    | ug/L   | 0.00     |
| 28) Chlorobenzene-d5          | 8.792  | 117   | 129597   | 5.000    | ug/L   | 0.00     |
| 58) 1,4-Dichlorobenzene-d4    | 11.194 | 152   | 66845    | 5.000    | ug/L   | 0.00     |
|                               |        |       |          |          |        |          |
| System Monitoring Compounds   |        |       |          |          |        |          |
| 4) Vinyl Chloride-d3          | 1.282  | 65    | 43088    | 3.987    | ug/L   | 0.00     |
| Spiked Amount                 | 5.000  | Range | 40 - 130 | Recovery | =      | 79.800%  |
| 7) Chloroethane-d5            | 1.536  | 69    | 35569    | 4.034    | ug/L   | 0.00     |
| Spiked Amount                 | 5.000  | Range | 65 - 130 | Recovery | =      | 80.600%  |
| 11) 1,1-Dichloroethene-d2     | 2.063  | 65    | 23994    | 4.195    | ug/L   | 0.00     |
| Spiked Amount                 | 5.000  | Range | 60 - 125 | Recovery | =      | 84.000%  |
| 20) 2-Butanone-d5             | 3.834  | 46    | 81467    | 42.508   | ug/L   | 0.00     |
| Spiked Amount                 | 50.000 | Range | 40 - 130 | Recovery | =      | 85.020%  |
| 24) Chloroform-d              | 4.262  | 84    | 83159    | 3.872    | ug/L   | 0.00     |
| Spiked Amount                 | 5.000  | Range | 70 - 125 | Recovery | =      | 77.400%  |
| 26) 1,2-Dichloroethane-d4     | 4.957  | 65    | 45474    | 4.165    | ug/L   | 0.00     |
| Spiked Amount                 | 5.000  | Range | 70 - 130 | Recovery | =      | 83.200%  |
| 32) Benzene-d6                | 4.969  | 84    | 145075   | 3.819    | ug/L   | 0.00     |
| Spiked Amount                 | 5.000  | Range | 70 - 125 | Recovery | =      | 76.400%  |
| 36) 1,2-Dichloropropane-d6    | 5.998  | 67    | 41567    | 3.763    | ug/L   | 0.00     |
| Spiked Amount                 | 5.000  | Range | 60 - 140 | Recovery | =      | 75.200%  |
| 41) Toluene-d8                | 7.252  | 98    | 127594   | 3.527    | ug/L   | 0.00     |
| Spiked Amount                 | 5.000  | Range | 70 - 130 | Recovery | =      | 70.600%  |
| 43) trans-1,3-Dichloroprop... | 7.564  | 79    | 16214    | 3.916    | ug/L   | 0.00     |
| Spiked Amount                 | 5.000  | Range | 55 - 130 | Recovery | =      | 78.400%  |
| 46) 2-Hexanone-d5             | 8.037  | 63    | 60516    | 41.715   | ug/L   | 0.00     |
| Spiked Amount                 | 50.000 | Range | 45 - 130 | Recovery | =      | 83.420%  |
| 56) 1,1,2,2-Tetrachloroeth... | 10.162 | 84    | 32317    | 4.036    | ug/L   | 0.00     |
| Spiked Amount                 | 5.000  | Range | 65 - 120 | Recovery | =      | 80.800%  |
| 66) 1,2-Dichlorobenzene-d4    | 11.570 | 152   | 51258    | 4.114    | ug/L   | 0.00     |
| Spiked Amount                 | 5.000  | Range | 80 - 120 | Recovery | =      | 82.200%  |
|                               |        |       |          |          |        |          |
| Target Compounds              |        |       |          |          |        |          |
| 3) Chloromethane              | 1.224  | 50    | 1613     | 0.133    | ug/L   | 98       |
| 6) Bromomethane               | 1.494  | 94    | 580      | 0.120    | ug/L   | 77       |
| 16) Methylene chloride        | 2.455  | 84    | 9453     | 0.947    | ug/L   | 95       |
| 22) cis-1,2-Dichloroethene    | 3.834  | 96    | 4874     | 0.573    | ug/L   | 88       |
| 34) Trichloroethene           | 5.847  | 95    | 6860     | 0.789    | ug/L   | 91       |
| 39) cis-1,3-Dichloropropene   | 6.924  | 75    | 1537     | 0.133    | ug/L # | 73       |
| 47) Tetrachloroethene         | 7.911  | 164   | 111463   | 13.446   | ug/L   | 97       |
| 49) Dibromochloromethane      | 7.911  | 129   | 90681    | 12.564   | ug/L # | 10       |
| 61) 1,2,3-Trichloropropane    | 11.191 | 75    | 7497     | 1.785    | ug/L # | 59       |
| -----                         |        |       |          |          |        |          |

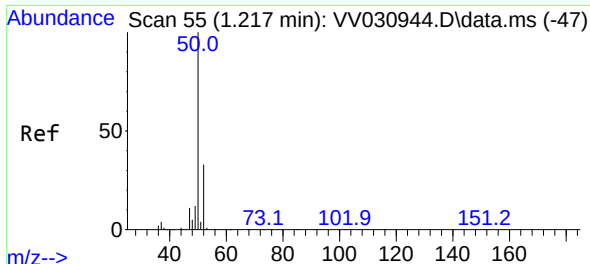
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : TRACE VOA SFAM1.0  
QLast Update : Sat Apr 29 01:06:38 2023  
Response via : Initial Calibration

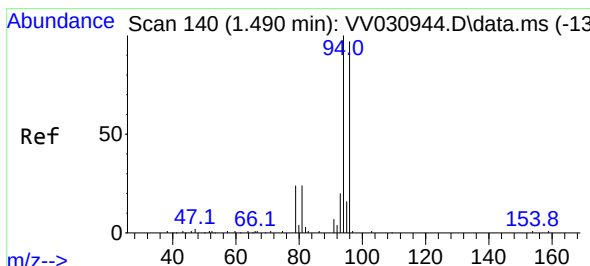
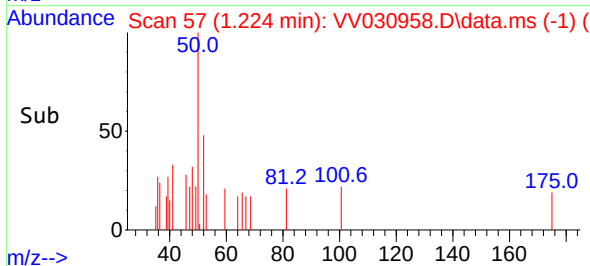
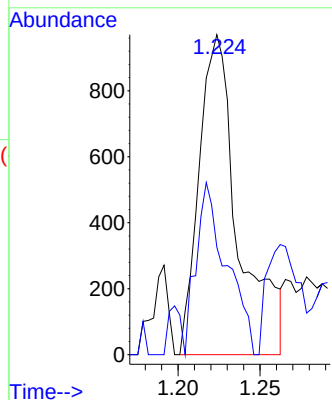
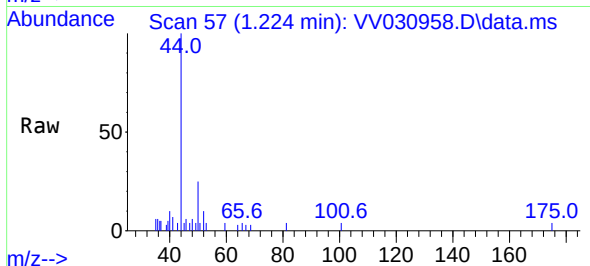




#3  
Chloromethane  
Concen: 0.133 ug/L  
RT: 1.224 min Scan# 51  
Delta R.T. 0.006 min  
Lab File: VV030958.D  
Acq: 01 May 2023 16:13

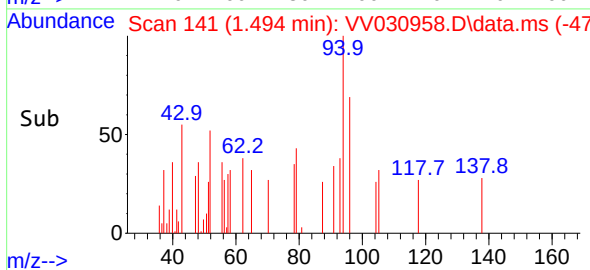
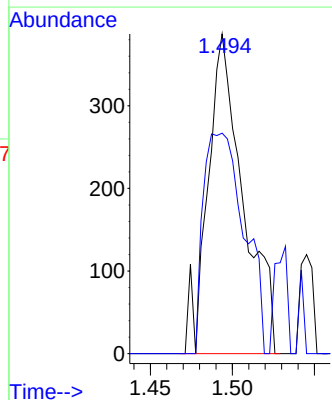
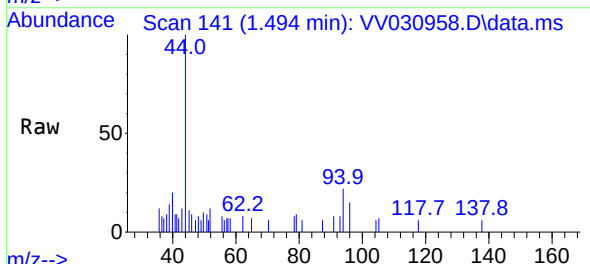
Instrument :  
MSVOA\_V  
ClientSampleId :  
BHE80DL

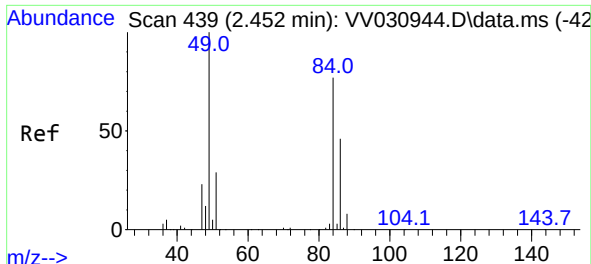
Tgt Ion: 50 Resp: 1613  
Ion Ratio Lower Upper  
50 100  
52 33.6 22.8 42.4



#6  
Bromomethane  
Concen: 0.120 ug/L  
RT: 1.494 min Scan# 141  
Delta R.T. 0.003 min  
Lab File: VV030958.D  
Acq: 01 May 2023 16:13

Tgt Ion: 94 Resp: 580  
Ion Ratio Lower Upper  
94 100  
96 69.0 63.4 117.8

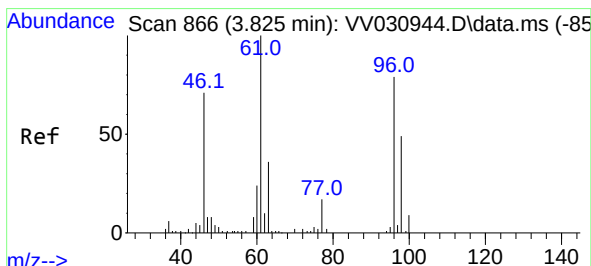
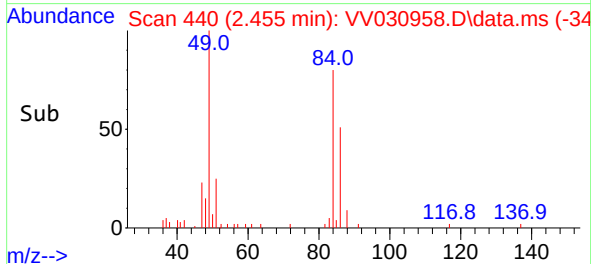
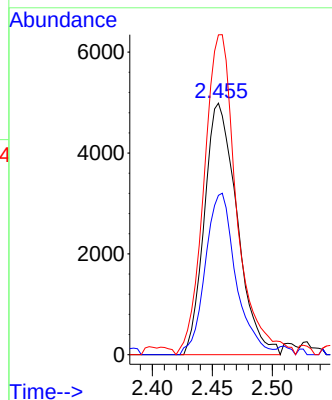
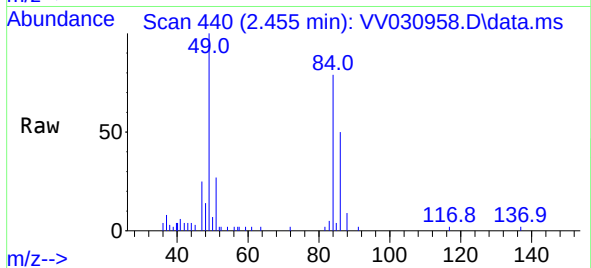




#16  
Methylene chloride  
Concen: 0.947 ug/L  
RT: 2.455 min Scan# 440  
Delta R.T. -0.000 min  
Lab File: VV030958.D  
Acq: 01 May 2023 16:13

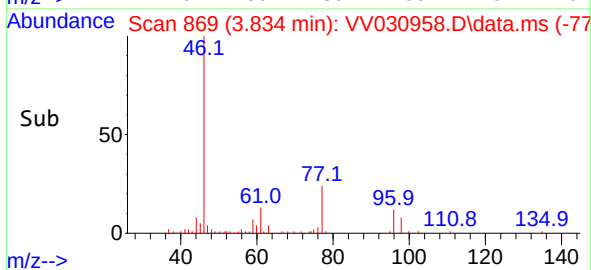
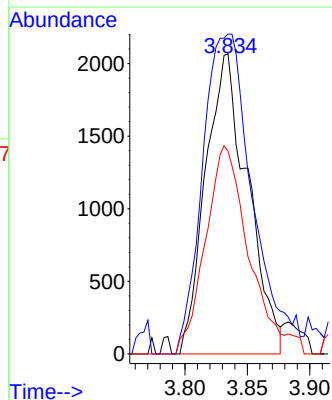
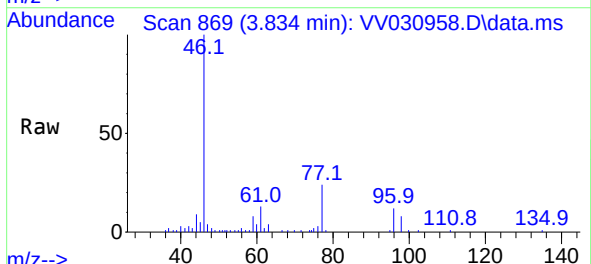
Instrument :  
MSVOA\_V  
ClientSampleId :  
BHE80DL

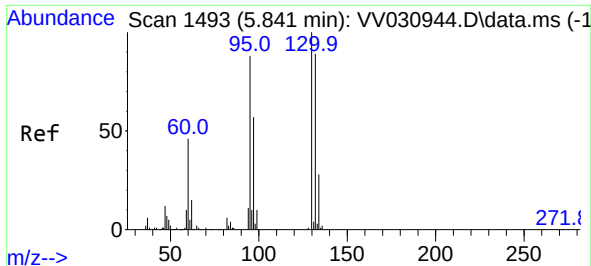
Tgt Ion: 84 Resp: 9453  
Ion Ratio Lower Upper  
84 100  
86 63.3 46.1 85.5  
49 127.2 94.3 175.1



#22  
cis-1,2-Dichloroethene  
Concen: 0.573 ug/L  
RT: 3.834 min Scan# 869  
Delta R.T. 0.006 min  
Lab File: VV030958.D  
Acq: 01 May 2023 16:13

Tgt Ion: 96 Resp: 4874  
Ion Ratio Lower Upper  
96 100  
61 106.6 86.0 159.6  
98 67.6 43.2 80.2



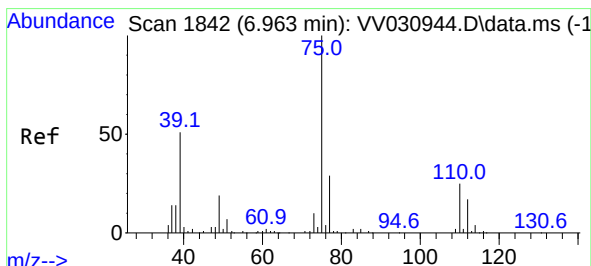
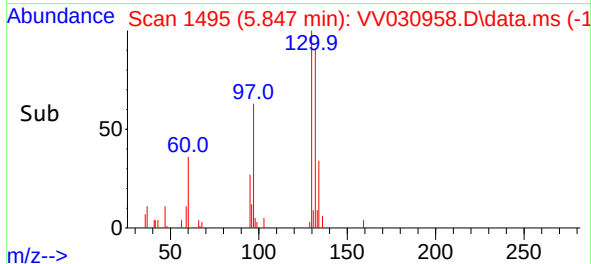
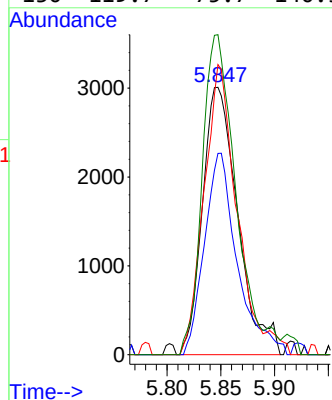
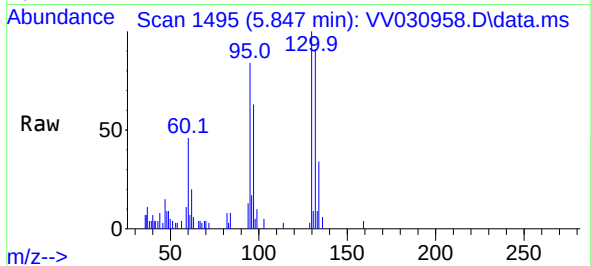


#34  
Trichloroethene  
Concen: 0.789 ug/L  
RT: 5.847 min Scan# 1493  
Delta R.T. 0.003 min  
Lab File: VV030958.D  
Acq: 01 May 2023 16:13

Instrument :  
MSVOA\_V  
ClientSampleId :  
BHE80DL

Tgt Ion: 95 Resp: 6860

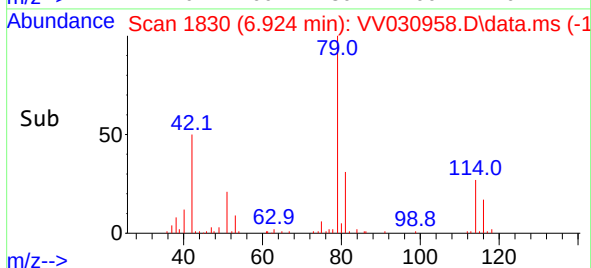
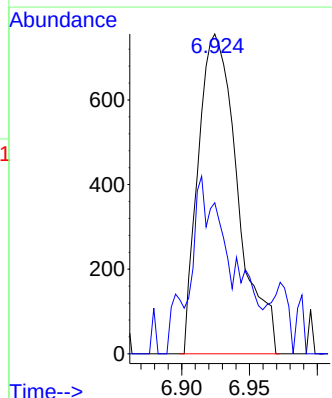
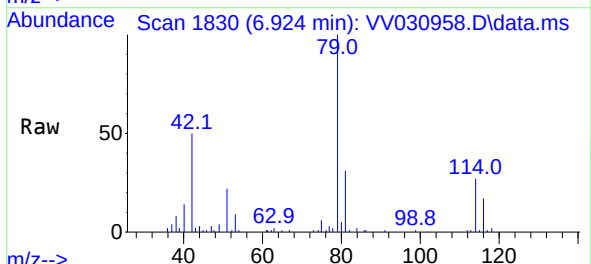
| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 95  | 100   |       |       |
| 97  | 75.2  | 46.2  | 85.8  |
| 132 | 108.5 | 72.7  | 135.1 |
| 130 | 119.7 | 75.7  | 140.5 |

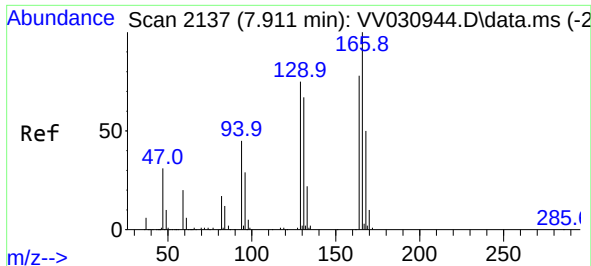


#39  
cis-1,3-Dichloropropene  
Concen: 0.133 ug/L  
RT: 6.924 min Scan# 1830  
Delta R.T. -0.039 min  
Lab File: VV030958.D  
Acq: 01 May 2023 16:13

Tgt Ion: 75 Resp: 1537

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 75  | 100   |       |       |
| 77  | 47.2  | 22.6  | 42.0# |



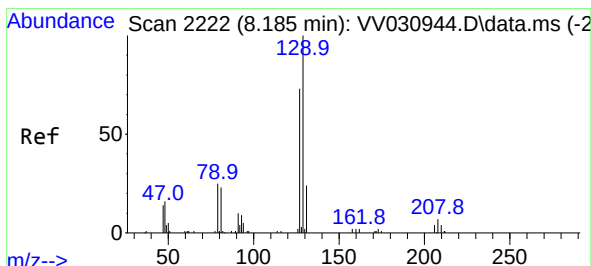
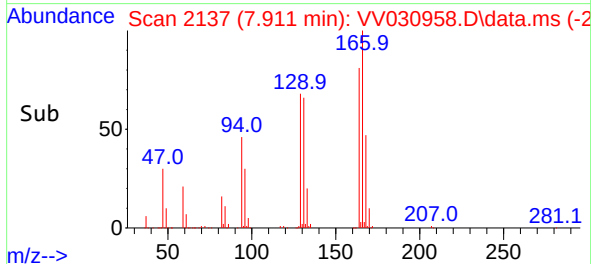
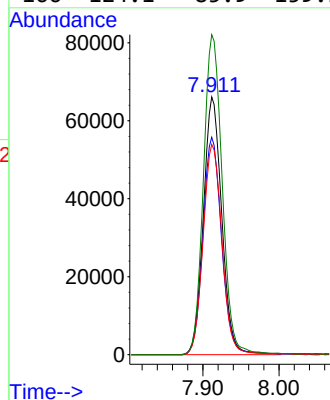
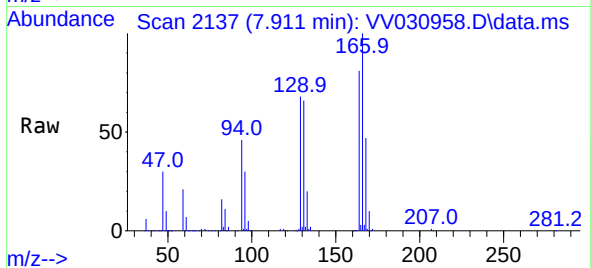


#47  
Tetrachloroethene  
Concen: 13.446 ug/L  
RT: 7.911 min Scan# 2137  
Delta R.T. -0.003 min  
Lab File: VV030958.D  
Acq: 01 May 2023 16:13

Instrument :  
MSVOA\_V  
ClientSampleId :  
BHE80DL

Tgt Ion:164 Resp: 111463

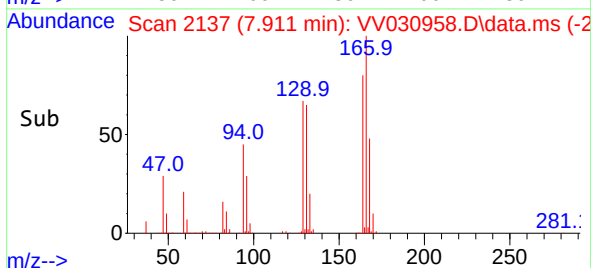
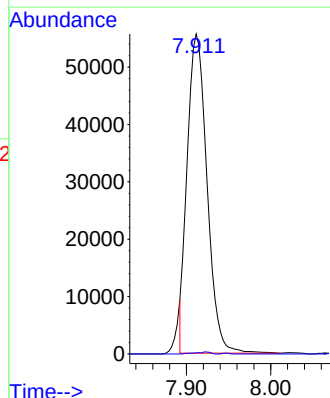
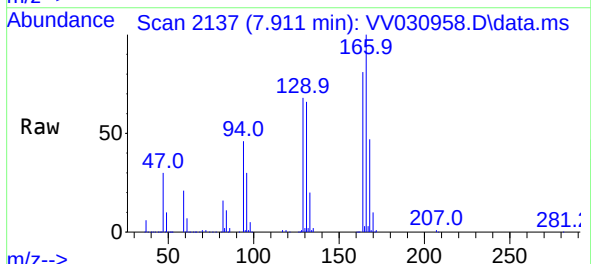
| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 164 | 100   |       |       |
| 129 | 84.3  | 60.5  | 112.3 |
| 131 | 81.5  | 60.8  | 112.8 |
| 166 | 124.1 | 85.9  | 159.5 |

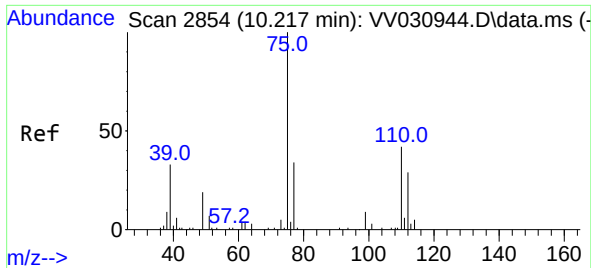


#49  
Dibromochloromethane  
Concen: 12.564 ug/L  
RT: 7.911 min Scan# 2137  
Delta R.T. -0.273 min  
Lab File: VV030958.D  
Acq: 01 May 2023 16:13

Tgt Ion:129 Resp: 90681

| Ion | Ratio | Lower | Upper  |
|-----|-------|-------|--------|
| 129 | 100   |       |        |
| 127 | 0.3   | 55.3  | 102.7# |





#61  
1,2,3-Trichloropropane  
Concen: 1.785 ug/L  
RT: 11.191 min Scan# 31  
Delta R.T. 0.974 min  
Lab File: VV030958.D  
Acq: 01 May 2023 16:13

Instrument :  
MSVOA\_V  
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|             |       |             |
|-------------|-------|-------------|
| Tgt Ion: 75 | Resp: | 7497        |
| Ion         | Ratio | Lower Upper |
| 75          | 100   |             |
| 77          | 39.0  | 25.3 37.9#  |
| 110         | 3.7   | 34.0 51.0#  |

