

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_V\Data\VV080122\  
 Data File : VV027178.D  
 Acq On : 02 Aug 2022 18:11  
 Operator : SY/MD  
 Sample : N4005-01  
 Misc : 5.0mL/MSVOA\_V/WATER  
 ALS Vial : 25 Sample Multiplier: 1

Instrument :  
 MSVOA\_V  
 ClientSampleId :  
 EY143

Quant Time: Aug 03 02:02:43 2022  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_V\Method\SFAMVLM080122WMA.M  
 Quant Title : VOC Analysis  
 QLast Update : Wed Aug 03 02:00:39 2022  
 Response via : Initial Calibration

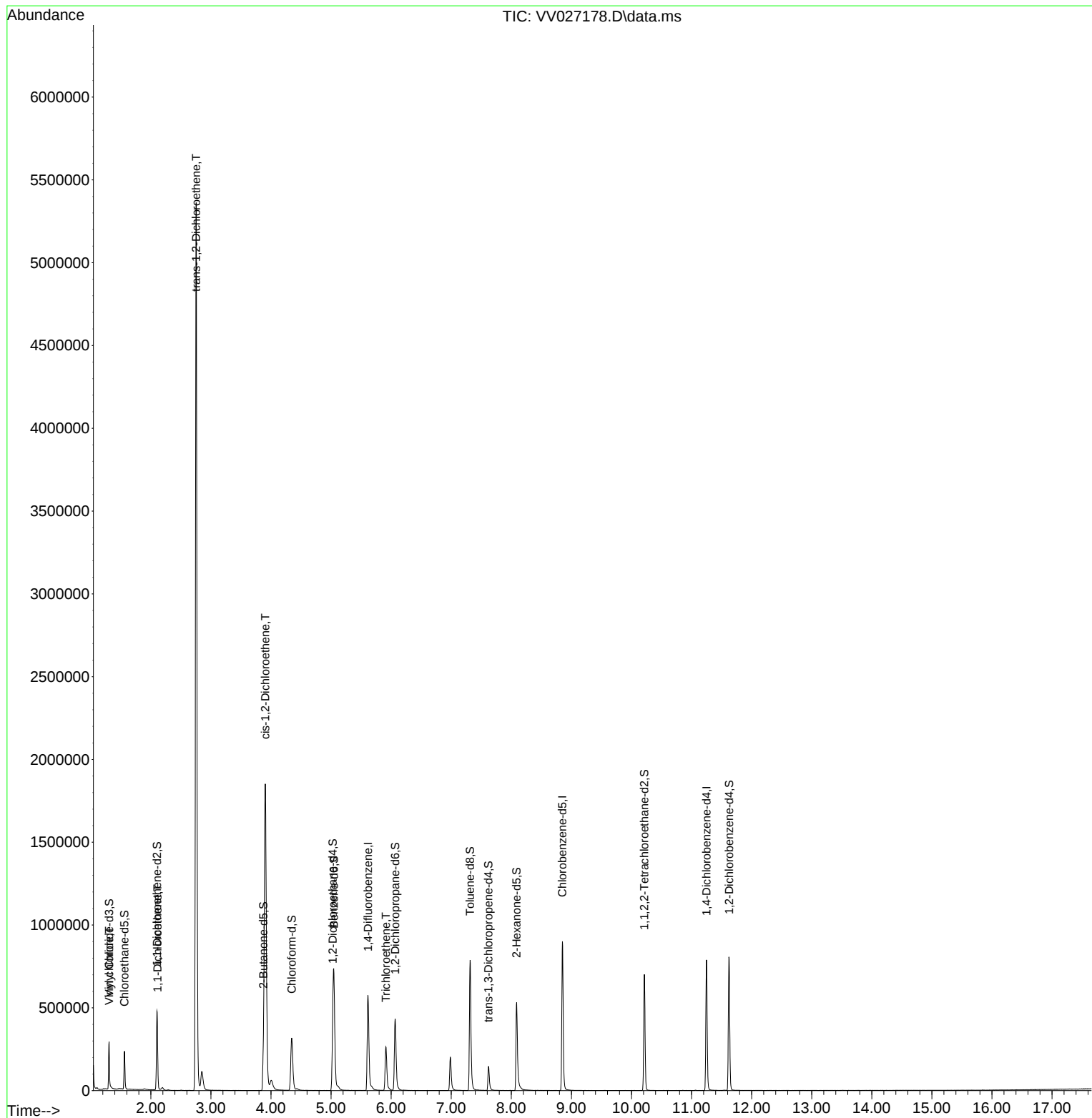
| Compound                      | R.T. QIon |       | Response | Conc       | Units  | Dev(Min) |
|-------------------------------|-----------|-------|----------|------------|--------|----------|
| Internal Standards            |           |       |          |            |        |          |
| 1) 1,4-Difluorobenzene        | 5.616     | 114   | 535941   | 50.000     | ug/L   | 0.00     |
| 28) Chlorobenzene-d5          | 8.850     | 117   | 528359   | 50.000     | ug/L   | 0.00     |
| 58) 1,4-Dichlorobenzene-d4    | 11.249    | 152   | 214199   | 50.000     | ug/L   | 0.00     |
| System Monitoring Compounds   |           |       |          |            |        |          |
| 4) Vinyl Chloride-d3          | 1.304     | 65    | 189052   | 54.429     | ug/L   | 0.00     |
| Spiked Amount 50.000          | Range 60  | - 135 | Recovery | = 108.860% |        |          |
| 7) Chloroethane-d5            | 1.561     | 69    | 153297   | 58.979     | ug/L   | 0.00     |
| Spiked Amount 50.000          | Range 70  | - 130 | Recovery | = 117.960% |        |          |
| 11) 1,1-Dichloroethene-d2     | 2.101     | 63    | 242697   | 36.694     | ug/L   | 0.00     |
| Spiked Amount 50.000          | Range 60  | - 125 | Recovery | = 73.380%  |        |          |
| 21) 2-Butanone-d5             | 3.873     | 46    | 259792   | 113.606    | ug/L   | 0.00     |
| Spiked Amount 100.000         | Range 40  | - 130 | Recovery | = 113.610% |        |          |
| 24) Chloroform-d              | 4.346     | 84    | 344621   | 49.085     | ug/L   | 0.00     |
| Spiked Amount 50.000          | Range 70  | - 125 | Recovery | = 98.180%  |        |          |
| 26) 1,2-Dichloroethane-d4     | 5.027     | 65    | 202365   | 50.802     | ug/L   | 0.00     |
| Spiked Amount 50.000          | Range 70  | - 125 | Recovery | = 101.600% |        |          |
| 32) Benzene-d6                | 5.046     | 84    | 675864   | 48.341     | ug/L   | 0.00     |
| Spiked Amount 50.000          | Range 70  | - 125 | Recovery | = 96.680%  |        |          |
| 36) 1,2-Dichloropropane-d6    | 6.066     | 67    | 228072   | 52.734     | ug/L   | 0.00     |
| Spiked Amount 50.000          | Range 70  | - 120 | Recovery | = 105.460% |        |          |
| 41) Toluene-d8                | 7.313     | 98    | 562452   | 44.624     | ug/L   | 0.00     |
| Spiked Amount 50.000          | Range 80  | - 120 | Recovery | = 89.240%  |        |          |
| 43) trans-1,3-Dichloroprop... | 7.619     | 79    | 89040    | 46.908     | ug/L   | 0.00     |
| Spiked Amount 50.000          | Range 60  | - 125 | Recovery | = 93.820%  |        |          |
| 47) 2-Hexanone-d5             | 8.088     | 63    | 192582   | 115.337    | ug/L   | 0.00     |
| Spiked Amount 100.000         | Range 45  | - 130 | Recovery | = 115.340% |        |          |
| 56) 1,1,2,2-Tetrachloroeth... | 10.213    | 84    | 343419   | 53.119     | ug/L   | 0.00     |
| Spiked Amount 50.000          | Range 65  | - 120 | Recovery | = 106.240% |        |          |
| 66) 1,2-Dichlorobenzene-d4    | 11.625    | 152   | 220224   | 58.501     | ug/L   | 0.00     |
| Spiked Amount 50.000          | Range 80  | - 120 | Recovery | = 117.000% |        |          |
| Target Compounds              |           |       |          |            |        | Qvalue   |
| 5) Vinyl chloride             | 1.307     | 62    | 15917    | 3.145      | ug/L # | 75       |
| 12) 1,1-Dichloroethene        | 2.111     | 96    | 5922     | 1.593      | ug/L # | 1        |
| 17) trans-1,2-Dichloroethene  | 2.754     | 96    | 2076452  | 524.920    | ug/L   | 99       |
| 20) cis-1,2-Dichloroethene    | 3.905     | 96    | 1074538  | 255.901    | ug/L   | 99       |
| 34) Trichloroethene           | 5.911     | 95    | 96236    | 23.092     | ug/L   | 98       |

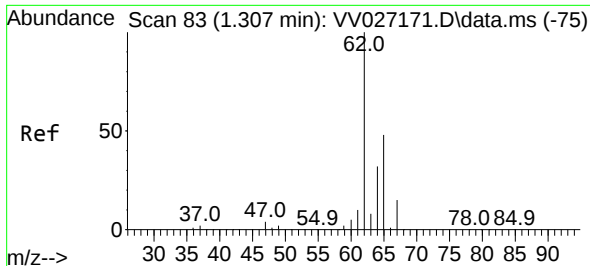
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Sample : N4005-01  
Misc : 5.0mL/MSVOA\_V/WATER  
ALS Vial : 25 Sample Multiplier: 1

Instrument :  
MSVOA\_V  
ClientSampleId :  
EY143

Quant Time: Aug 03 02:02:43 2022  
Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_V\Method\SFAMVLM080122WMA.M  
Quant Title : VOC Analysis  
QLast Update : Wed Aug 03 02:00:39 2022  
Response via : Initial Calibration

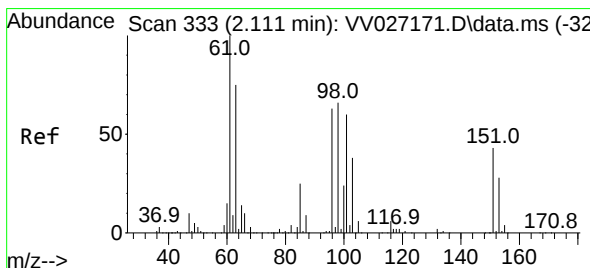
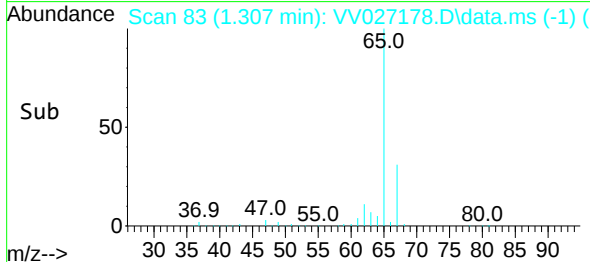
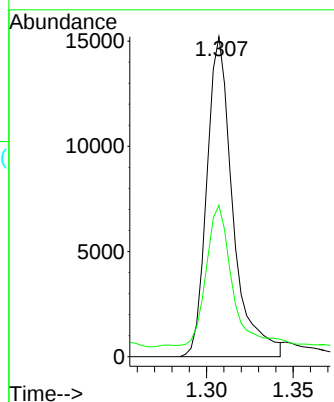
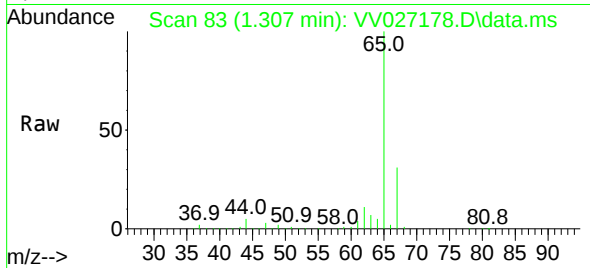




#5  
 Vinyl chloride  
 Concen: 3.145 ug/L  
 RT: 1.307 min Scan# 83  
 Delta R.T. -0.000 min  
 Lab File: VV027178.D  
 Acq: 02 Aug 2022 18:11

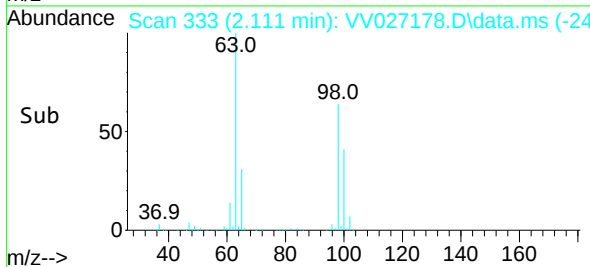
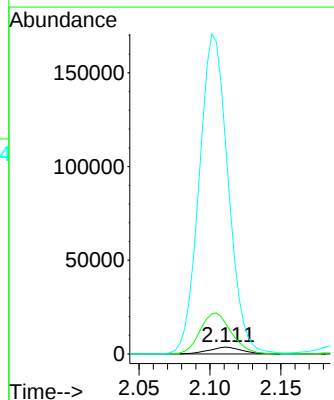
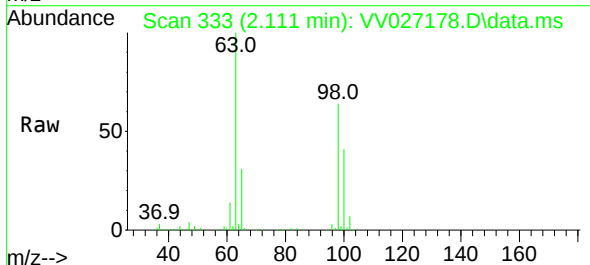
Instrument :  
 MSVOA\_V  
 Client Sample Id :  
 EY143

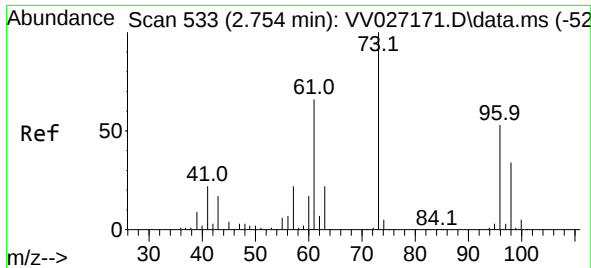
Tgt Ion: 62 Resp: 15917  
 Ion Ratio Lower Upper  
 62 100  
 64 47.3 23.1 42.9#



#12  
 1,1-Dichloroethene  
 Concen: 1.593 ug/L  
 RT: 2.111 min Scan# 333  
 Delta R.T. -0.000 min  
 Lab File: VV027178.D  
 Acq: 02 Aug 2022 18:11

Tgt Ion: 96 Resp: 5922  
 Ion Ratio Lower Upper  
 96 100  
 61 444.7 110.7 205.5#  
 63 3068.4 78.4 145.6#



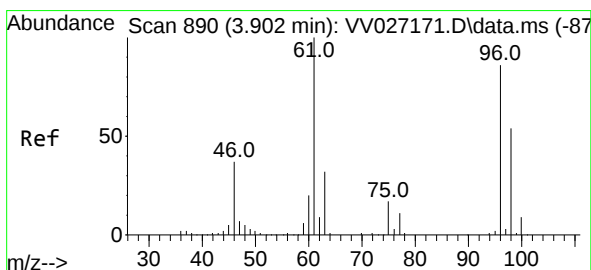
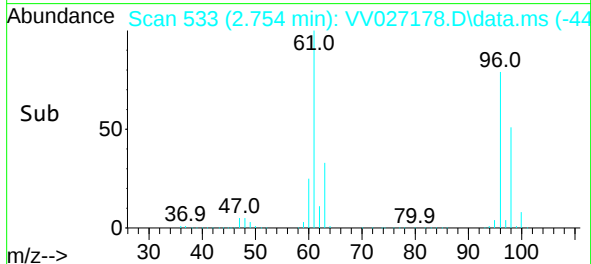
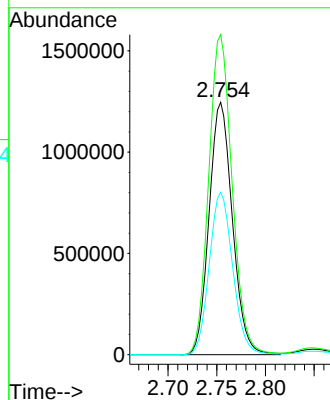
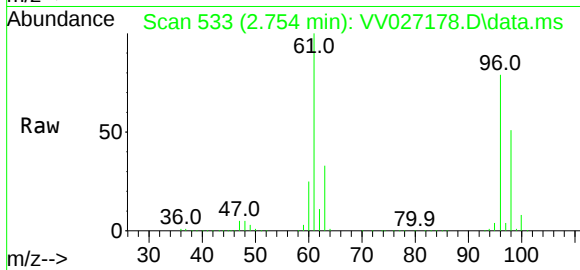


#17  
trans-1,2-Dichloroethene  
Concen: 524.920 ug/L  
RT: 2.754 min Scan# 511  
Delta R.T. -0.000 min  
Lab File: VV027178.D  
Acq: 02 Aug 2022 18:11

Instrument :  
MSVOA\_V  
ClientSampleId :  
EY143

Tgt Ion: 96 Resp: 2076452

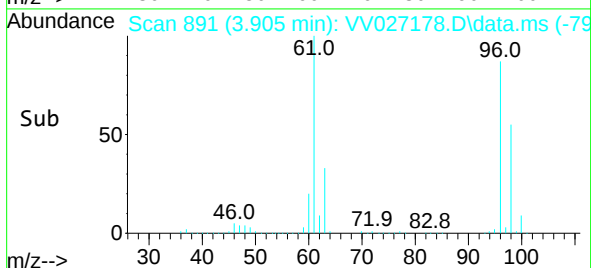
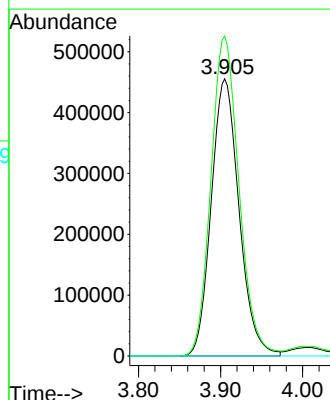
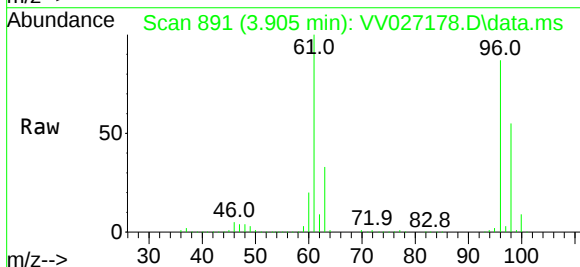
| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 96  | 100   |       |       |
| 61  | 126.7 | 89.2  | 165.6 |
| 98  | 64.3  | 43.3  | 80.3  |

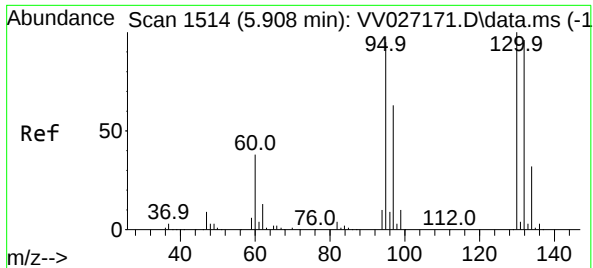


#20  
cis-1,2-Dichloroethene  
Concen: 255.901 ug/L  
RT: 3.905 min Scan# 891  
Delta R.T. 0.003 min  
Lab File: VV027178.D  
Acq: 02 Aug 2022 18:11

Tgt Ion: 96 Resp: 1074538

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 96  | 100   |       |       |
| 61  | 115.5 | 81.7  | 151.7 |
| 68  | 0.0   | 0.0   | 0.0   |





#34  
 Trichloroethene  
 Concen: 23.092 ug/L  
 RT: 5.911 min Scan# 11  
 Delta R.T. 0.003 min  
 Lab File: VV027178.D  
 Acq: 02 Aug 2022 18:11

Instrument :  
 MSVOA\_V  
 ClientSampleId :  
 EY143

|             |       |             |
|-------------|-------|-------------|
| Tgt Ion: 95 | Resp: | 96236       |
| Ion         | Ratio | Lower Upper |
| 95          | 100   |             |
| 97          | 65.7  | 47.0 87.2   |
| 132         | 100.5 | 71.5 132.7  |
| 130         | 105.9 | 72.4 134.4  |

