

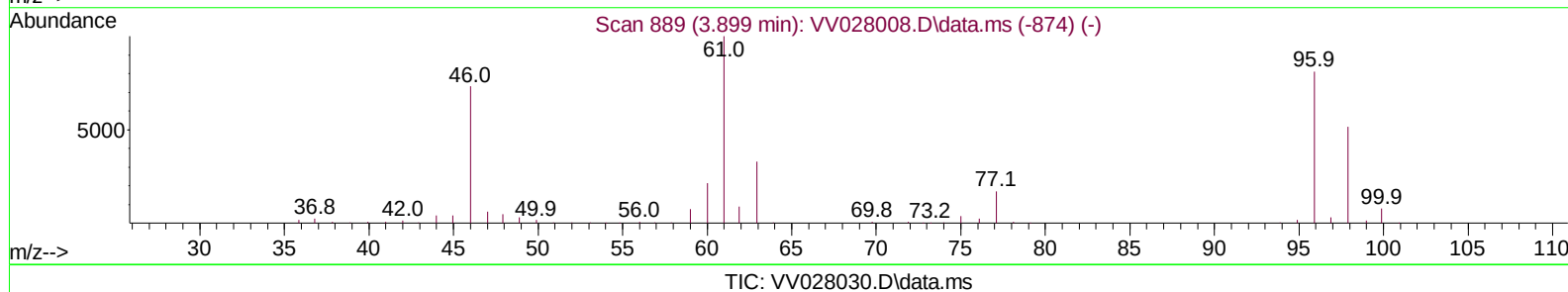
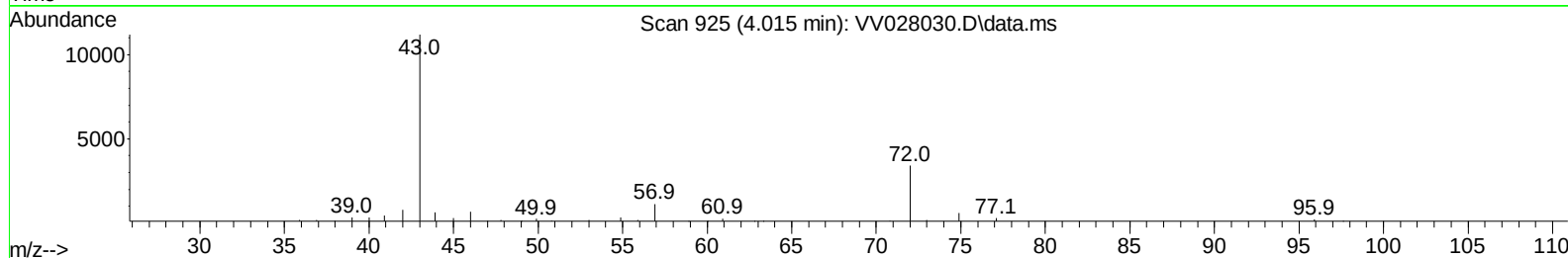
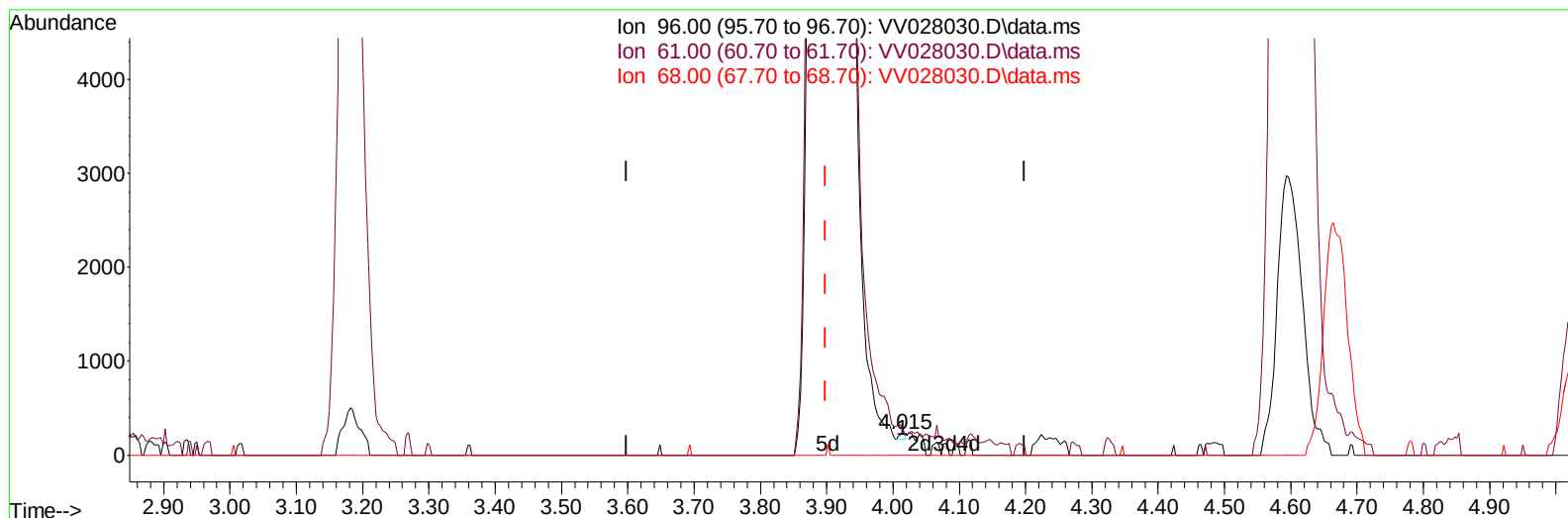
Data Path : Z:\voasrv\HPCHEM1\MSVOA\_V\Data\VV092122\  
 Data File : VV028030.D  
 Acq On : 21 Sep 2022 21:18  
 Operator : SY/MD  
 Sample : VSTDCCC050  
 Misc : 5.0mL/MSVOA\_V/WATER  
 ALS Vial : 25 Sample Multiplier: 1

Instrument :  
 MSVOA\_V  
 LabSampleId :  
 VSTDCCC050

Manual IntegrationsAPPROVED

Quant Time: Sep 22 03:26:35 2022  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_V\Method\SFAMVLM092022WMA.M  
 Quant Title : VOC Analysis  
 QLast Update : Thu Sep 22 03:03:58 2022  
 Response via : Initial Calibration

Reviewed By :Krupa Patel 09/22/2022  
 Supervised By :Mahesh Dadoda 09/22/2022



**(20) cis-1,2-Dichloroethene (T)**

4.015min (+ 0.116) 0.01 ug/L

response 37

| Ion   | Exp%   | Act%   |
|-------|--------|--------|
| 96.00 | 100.00 | 100.00 |
| 61.00 | 120.60 | 121.43 |
| 68.00 | 0.00   | 0.00   |
| 0.00  | 0.00   | 0.00   |

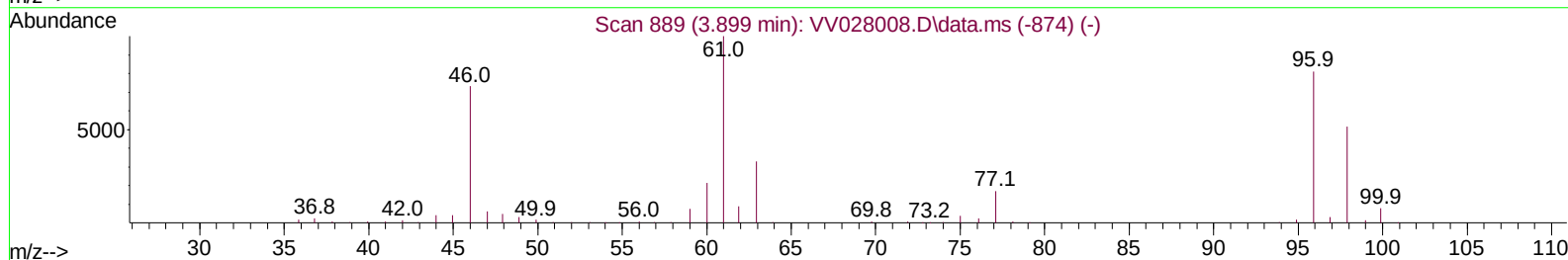
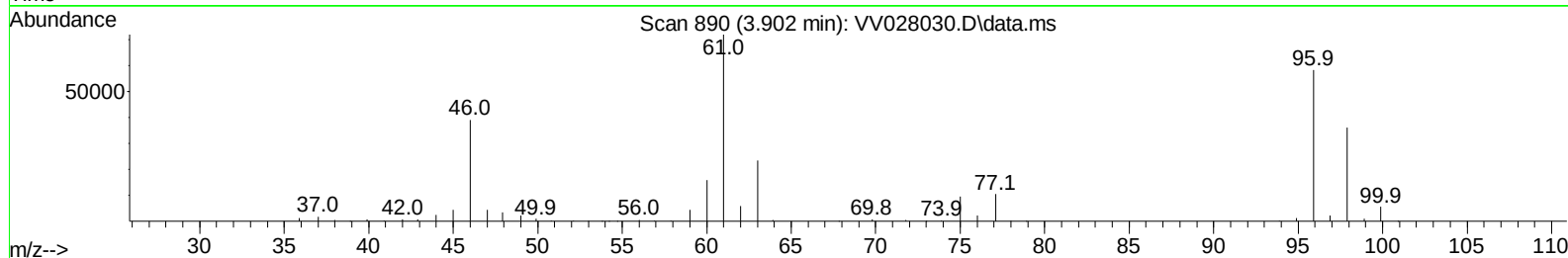
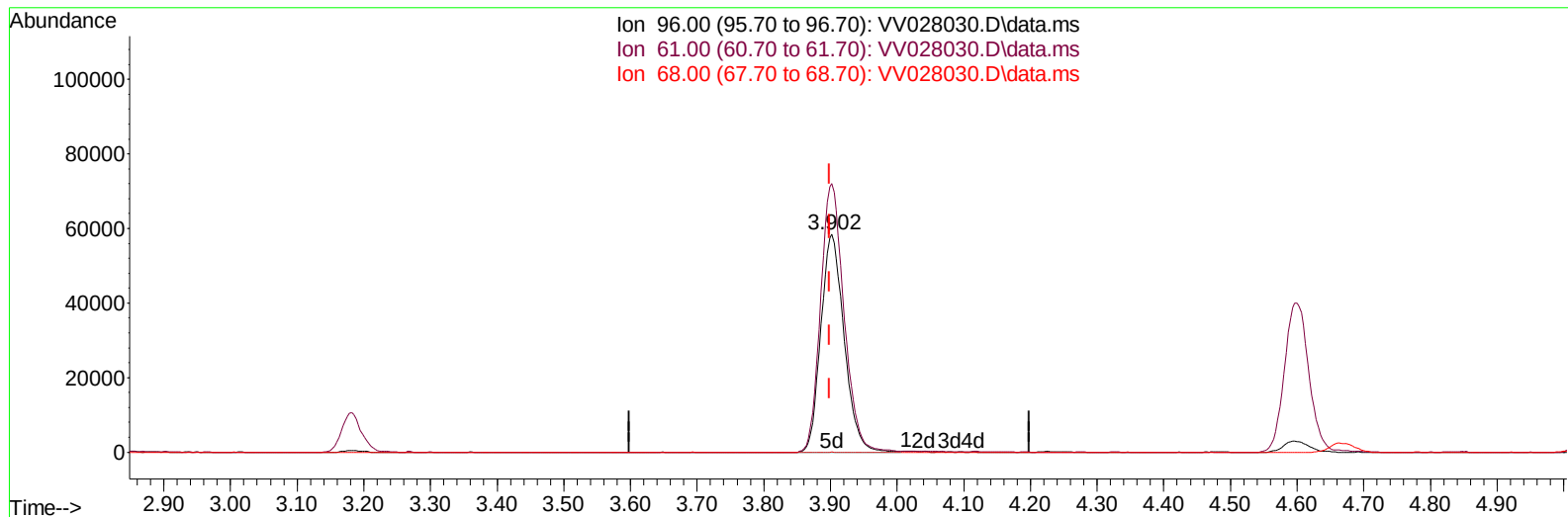
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TIC: VV028030.D\data.ms

(20) cis-1,2-Dichloroethene (T)

3.902min (+ 0.003) 50.88 ug/L m

response 141802

| Ion   | Exp%   | Act%   |
|-------|--------|--------|
| 96.00 | 100.00 | 100.00 |
| 61.00 | 120.60 | 123.26 |
| 68.00 | 0.00   | 0.20#  |
| 0.00  | 0.00   | 0.00   |

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_V\Data\VV092122\  
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 Supervised By :Mahesh Dadoda 09/22/2022

| Compound                      | R.T.     | QIon  | Response | Conc    | Units    | Dev(Min) |
|-------------------------------|----------|-------|----------|---------|----------|----------|
| -----                         |          |       |          |         |          |          |
| Internal Standards            |          |       |          |         |          |          |
| 1) 1,4-Difluorobenzene        | 5.609    | 114   | 361846   | 50.000  | ug/L     | 0.00     |
| 28) Chlorobenzene-d5          | 8.850    | 117   | 346933   | 50.000  | ug/L     | 0.00     |
| 58) 1,4-Dichlorobenzene-d4    | 11.246   | 152   | 186445   | 50.000  | ug/L     | 0.00     |
| System Monitoring Compounds   |          |       |          |         |          |          |
| 4) Vinyl Chloride-d3          | 1.301    | 65    | 112256   | 35.338  | ug/L     | 0.00     |
| Spiked Amount 50.000          | Range 60 | - 135 | Recovery | =       | 70.680%  |          |
| 7) Chloroethane-d5            | 1.558    | 69    | 102528   | 40.404  | ug/L     | 0.00     |
| Spiked Amount 50.000          | Range 70 | - 130 | Recovery | =       | 80.800%  |          |
| 11) 1,1-Dichloroethene-d2     | 2.102    | 63    | 230817   | 41.016  | ug/L     | 0.00     |
| Spiked Amount 50.000          | Range 60 | - 125 | Recovery | =       | 82.040%  |          |
| 21) 2-Butanone-d5             | 3.876    | 46    | 222950   | 118.029 | ug/L     | 0.00     |
| Spiked Amount 100.000         | Range 40 | - 130 | Recovery | =       | 118.030% |          |
| 24) Chloroform-d              | 4.339    | 84    | 255836   | 47.970  | ug/L     | 0.00     |
| Spiked Amount 50.000          | Range 70 | - 125 | Recovery | =       | 95.940%  |          |
| 26) 1,2-Dichloroethane-d4     | 5.024    | 65    | 162292   | 46.956  | ug/L     | 0.00     |
| Spiked Amount 50.000          | Range 70 | - 125 | Recovery | =       | 93.920%  |          |
| 32) Benzene-d6                | 5.044    | 84    | 469112   | 46.913  | ug/L     | 0.00     |
| Spiked Amount 50.000          | Range 70 | - 125 | Recovery | =       | 93.820%  |          |
| 36) 1,2-Dichloropropane-d6    | 6.063    | 67    | 146410   | 47.415  | ug/L     | 0.00     |
| Spiked Amount 50.000          | Range 70 | - 120 | Recovery | =       | 94.840%  |          |
| 41) Toluene-d8                | 7.310    | 98    | 422414   | 46.130  | ug/L     | 0.00     |
| Spiked Amount 50.000          | Range 80 | - 120 | Recovery | =       | 92.260%  |          |
| 43) trans-1,3-Dichloroprop... | 7.619    | 79    | 71379    | 46.227  | ug/L     | 0.00     |
| Spiked Amount 50.000          | Range 60 | - 125 | Recovery | =       | 92.460%  |          |
| 47) 2-Hexanone-d5             | 8.085    | 63    | 175747   | 116.182 | ug/L     | 0.00     |
| Spiked Amount 100.000         | Range 45 | - 130 | Recovery | =       | 116.180% |          |
| 56) 1,1,2,2-Tetrachloroeth... | 10.214   | 84    | 226902   | 49.925  | ug/L     | 0.00     |
| Spiked Amount 50.000          | Range 65 | - 120 | Recovery | =       | 99.840%  |          |
| 66) 1,2-Dichlorobenzene-d4    | 11.622   | 152   | 171565   | 47.403  | ug/L     | 0.00     |
| Spiked Amount 50.000          | Range 80 | - 120 | Recovery | =       | 94.800%  |          |
| Target Compounds              |          |       |          |         |          |          |
|                               |          |       |          |         |          | Qvalue   |
| 2) Dichlorodifluoromethane    | 1.124    | 85    | 124367   | 45.448  | ug/L     | 98       |
| 3) Chloromethane              | 1.237    | 50    | 146456   | 45.819  | ug/L     | 100      |
| 5) Vinyl chloride             | 1.304    | 62    | 155219   | 47.760  | ug/L     | 100      |
| 6) Bromomethane               | 1.516    | 94    | 105744   | 49.841  | ug/L     | 99       |
| 8) Chloroethane               | 1.577    | 64    | 103083   | 50.083  | ug/L     | 96       |
| 9) Trichlorofluoromethane     | 1.745    | 101   | 236811   | 49.465  | ug/L     | 100      |
| 10) 1,1,2-Trichloro-1,2,2-... | 2.108    | 101   | 127759   | 48.644  | ug/L     | 100      |
| 12) 1,1-Dichloroethene        | 2.108    | 96    | 127020   | 48.382  | ug/L     | 86       |
| 13) Acetone                   | 2.169    | 43    | 167700   | 99.619  | ug/L     | 98       |
| 14) Carbon disulfide          | 2.285    | 76    | 333641   | 48.026  | ug/L     | 100      |
| 15) Methyl Acetate            | 2.426    | 43    | 162682   | 55.945  | ug/L     | 98       |
| 16) Methylene chloride        | 2.497    | 84    | 145748   | 47.349  | ug/L     | 99       |
| 17) trans-1,2-Dichloroethene  | 2.751    | 96    | 125840   | 50.363  | ug/L     | 96       |
| 18) Methyl tert-butyl Ether   | 2.764    | 73    | 417108   | 53.178  | ug/L     | 99       |
| 19) 1,1-Dichloroethane        | 3.182    | 63    | 261484   | 54.172  | ug/L     | 99       |
| 20) cis-1,2-Dichloroethene    | 3.902    | 96    | 141802m  | 50.883  | ug/L     |          |
| 22) 2-Butanone                | 3.963    | 43    | 230151   | 114.848 | ug/L     | 99       |
| 23) Bromochloromethane        | 4.240    | 128   | 75796    | 50.396  | ug/L     | 97       |

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 VSTDCCC050

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 Quant Title : VOC Analysis  
 QLast Update : Thu Sep 22 03:03:58 2022  
 Response via : Initial Calibration

| Compound                      | R.T.   | QIon | Response | Conc    | Units | Dev(Min) |
|-------------------------------|--------|------|----------|---------|-------|----------|
| 25) Chloroform                | 4.368  | 83   | 269391   | 52.276  | ug/L  | 100      |
| 27) 1,2-Dichloroethane        | 5.124  | 62   | 208527   | 52.176  | ug/L  | 99       |
| 29) Cyclohexane               | 4.667  | 56   | 202775   | 53.541  | ug/L  | 100      |
| 30) 1,1,1-Trichloroethane     | 4.600  | 97   | 235429   | 55.125  | ug/L  | 99       |
| 31) Carbon tetrachloride      | 4.818  | 117  | 196544   | 51.820  | ug/L  | 99       |
| 33) Benzene                   | 5.092  | 78   | 571792   | 55.243  | ug/L  | 100      |
| 34) Trichloroethene           | 5.908  | 95   | 132500   | 51.659  | ug/L  | 99       |
| 35) Methylcyclohexane         | 6.124  | 83   | 200438   | 48.418  | ug/L  | 97       |
| 37) 1,2-Dichloropropane       | 6.169  | 63   | 145406   | 53.553  | ug/L  | 98       |
| 38) Bromodichloromethane      | 6.503  | 83   | 191222   | 50.438  | ug/L  | 99       |
| 39) cis-1,3-Dichloropropene   | 7.021  | 75   | 210725   | 51.251  | ug/L  | 97       |
| 40) 4-Methyl-2-pentanone      | 7.223  | 43   | 471050   | 121.640 | ug/L  | 100      |
| 42) Toluene                   | 7.381  | 91   | 596354   | 54.370  | ug/L  | 98       |
| 44) trans-1,3-Dichloropropene | 7.648  | 75   | 206879   | 50.437  | ug/L  | 98       |
| 45) 1,1,2-Trichloroethane     | 7.834  | 97   | 147181   | 53.733  | ug/L  | 97       |
| 46) Tetrachloroethene         | 7.969  | 164  | 105533   | 49.454  | ug/L  | 99       |
| 48) 2-Hexanone                | 8.137  | 43   | 380210   | 121.019 | ug/L  | 99       |
| 49) Dibromochloromethane      | 8.243  | 129  | 158179   | 52.311  | ug/L  | 96       |
| 50) 1,2-Dibromoethane         | 8.349  | 107  | 152090   | 54.143  | ug/L  | 98       |
| 51) Chlorobenzene             | 8.879  | 112  | 373960   | 51.072  | ug/L  | 99       |
| 52) Ethylbenzene              | 9.008  | 91   | 613585   | 51.818  | ug/L  | 98       |
| 53) m,p-Xylene                | 9.137  | 106  | 241146   | 53.115  | ug/L  | 99       |
| 54) o-Xylene                  | 9.542  | 106  | 231390   | 52.822  | ug/L  | 97       |
| 55) Styrene                   | 9.558  | 104  | 411580   | 52.949  | ug/L  | 100      |
| 57) 1,1,2,2-Tetrachloroethane | 10.236 | 83   | 231697   | 50.432  | ug/L  | 99       |
| 59) Bromoform                 | 9.728  | 173  | 116475   | 53.985  | ug/L  | 98       |
| 60) Isopropylbenzene          | 9.928  | 105  | 594180   | 53.885  | ug/L  | 98       |
| 61) 1,2,3-Trichloropropane    | 10.268 | 75   | 192168   | 54.908  | ug/L  | 99       |
| 62) 1,3,5-Trimethylbenzene    | 10.538 | 105  | 512008   | 54.298  | ug/L  | 99       |
| 63) 1,2,4-Trimethylbenzene    | 10.911 | 105  | 516635   | 54.939  | ug/L  | 99       |
| 64) 1,3-Dichlorobenzene       | 11.178 | 146  | 288214   | 51.282  | ug/L  | 99       |
| 65) 1,4-Dichlorobenzene       | 11.268 | 146  | 296428   | 51.480  | ug/L  | 99       |
| 67) 1,2-Dichlorobenzene       | 11.641 | 146  | 301221   | 52.745  | ug/L  | 100      |
| 68) 1,2-Dibromo-3-chloropr... | 12.426 | 75   | 58310    | 54.219  | ug/L  | 98       |
| 69) 1,3,5-Trichlorobenzene    | 12.641 | 180  | 210680   | 47.804  | ug/L  | 97       |
| 70) 1,2,4-trichlorobenzene    | 13.259 | 180  | 185681   | 47.014  | ug/L  | 99       |
| 71) Naphthalene               | 13.500 | 128  | 654731   | 51.637  | ug/L  | 100      |
| 72) 1,2,3-Trichlorobenzene    | 13.741 | 180  | 202645   | 49.679  | ug/L  | 100      |

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

