

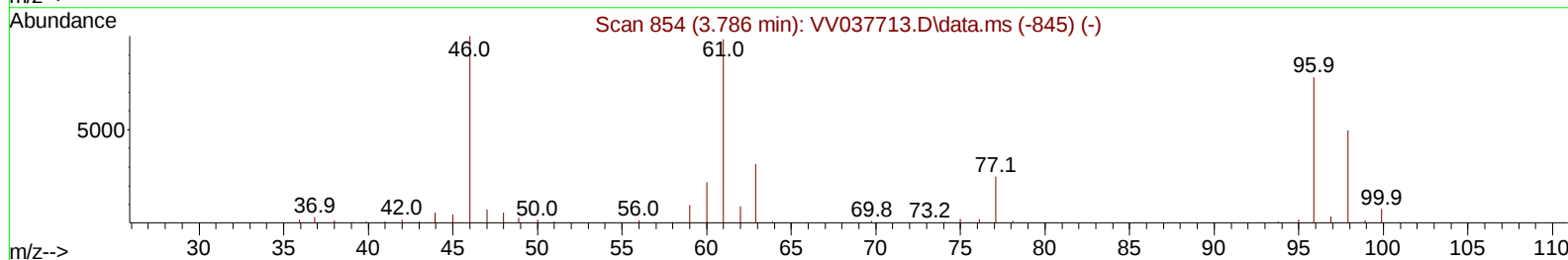
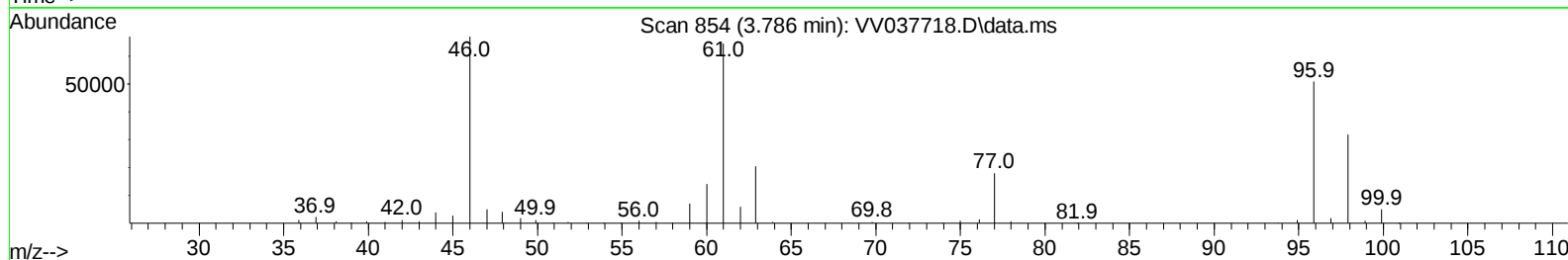
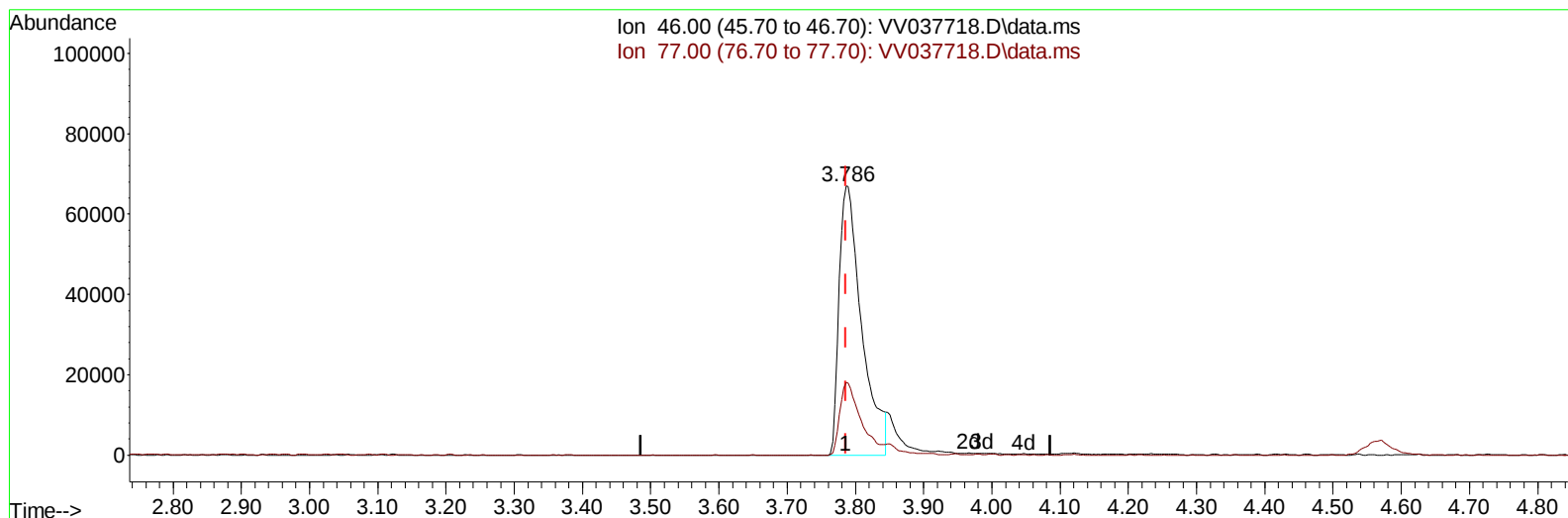
Data Path : Z:\voasrv\HPCHEM1\MSVOA\_V\DATA\VV100224\  
Data File : VV037718.D  
Acq On : 02 Oct 2024 15:03  
Operator : SY/MD  
Sample : VSTDCCC050EC  
Misc : 5mL/MSVOA\_V/WATER  
ALS Vial : 1 Sample Multiplier: 1

Instrument :  
MSVOA\_V  
LabSampleId :  
VSTDCCC050EC

Manual IntegrationsAPPROVED

Quant Time: Oct 03 05:56:45 2024  
Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_V\Method\SFAMVLM092624WMA.M  
Quant Title : VOC Analysis  
QLast Update : Thu Oct 03 05:55:19 2024  
Response via : Initial Calibration

Reviewed By :Semsettin Yesilyurt 10/03/2024  
Supervised By :Mahesh Dadoda 10/03/2024



TIC: VV037718.D\data.ms

(21) 2-Butanone-d5 (S)

3.786min (-0.000) 75.45 ug/L

response 153650

| Ion   | Exp%   | Act%   |
|-------|--------|--------|
| 46.00 | 100.00 | 100.00 |
| 77.00 | 25.70  | 24.70  |
| 0.00  | 0.00   | 0.00   |
| 0.00  | 0.00   | 0.00   |

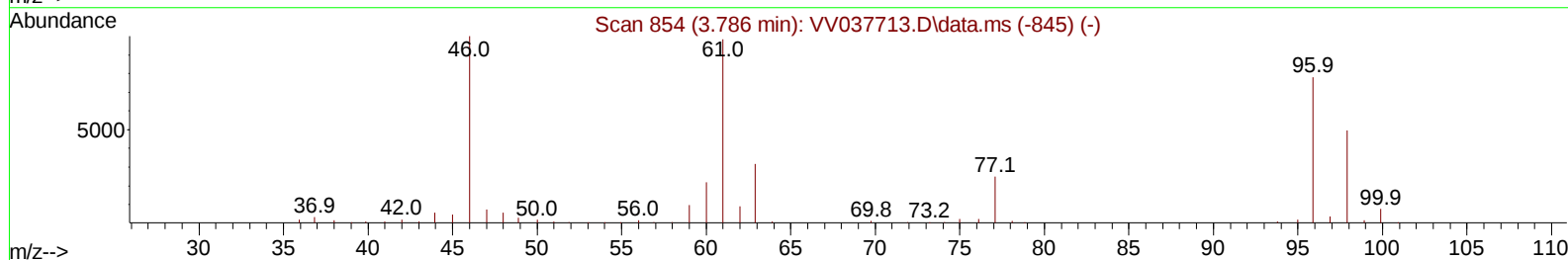
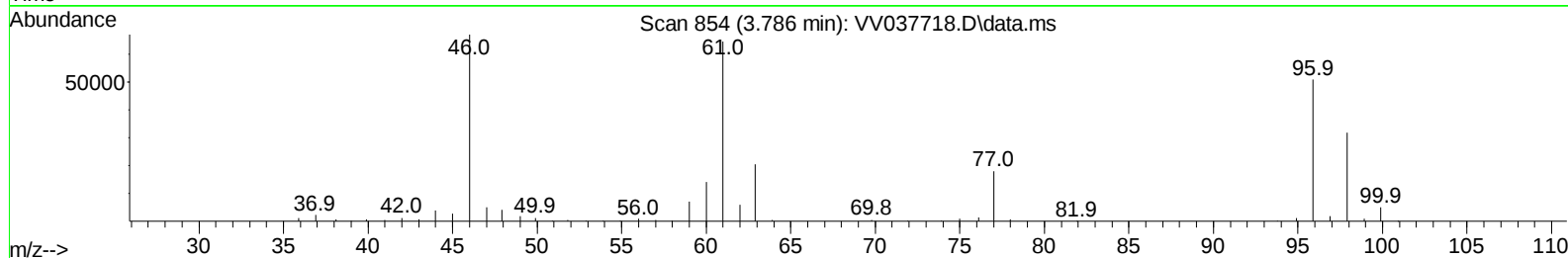
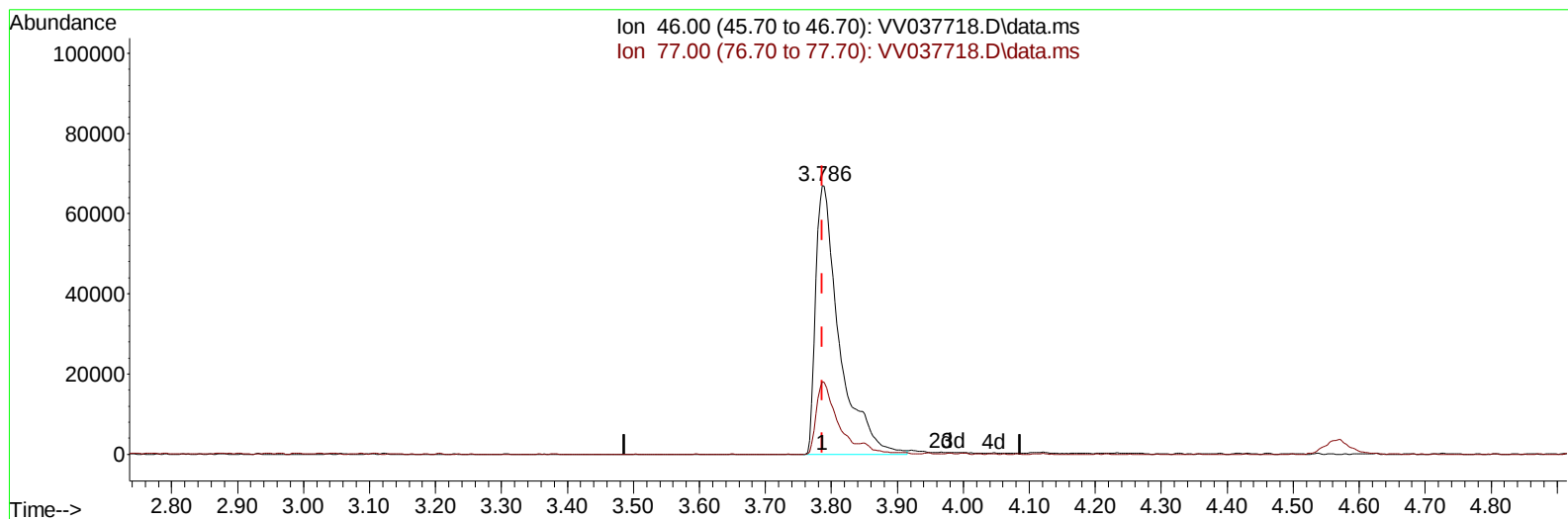
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TIC: VV037718.D\data.ms

(21) 2-Butanone-d5 (S)

3.786min (-0.000) 82.41 ug/L m

response 167833

| Ion   | Exp%   | Act%   |
|-------|--------|--------|
| 46.00 | 100.00 | 100.00 |
| 77.00 | 25.70  | 22.61  |
| 0.00  | 0.00   | 0.00   |
| 0.00  | 0.00   | 0.00   |

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| Compound                      | R.T.     | QIon  | Response | Conc   | Units   | Dev(Min) |
|-------------------------------|----------|-------|----------|--------|---------|----------|
| -----                         |          |       |          |        |         |          |
| Internal Standards            |          |       |          |        |         |          |
| 1) 1,4-Difluorobenzene        | 5.526    | 114   | 651332   | 50.000 | ug/L    | 0.00     |
| 28) Chlorobenzene-d5          | 8.776    | 117   | 628508   | 50.000 | ug/L    | 0.00     |
| 58) 1,4-Dichlorobenzene-d4    | 11.178   | 152   | 349875   | 50.000 | ug/L    | 0.00     |
| System Monitoring Compounds   |          |       |          |        |         |          |
| 4) Vinyl Chloride-d3          | 1.278    | 65    | 222407   | 38.898 | ug/L    | 0.00     |
| Spiked Amount 50.000          | Range 60 | - 135 | Recovery | =      | 77.800% |          |
| 7) Chloroethane-d5            | 1.532    | 69    | 188334   | 42.436 | ug/L    | 0.00     |
| Spiked Amount 50.000          | Range 70 | - 130 | Recovery | =      | 84.880% |          |
| 11) 1,1-Dichloroethene-d2     | 2.060    | 65    | 97598    | 40.857 | ug/L    | 0.00     |
| Spiked Amount 50.000          | Range 60 | - 125 | Recovery | =      | 81.720% |          |
| 21) 2-Butanone-d5             | 3.786    | 46    | 167833m  | 82.412 | ug/L    | 0.00     |
| Spiked Amount 100.000         | Range 40 | - 130 | Recovery | =      | 82.410% |          |
| 24) Chloroform-d              | 4.240    | 84    | 458410   | 45.064 | ug/L    | 0.00     |
| Spiked Amount 50.000          | Range 70 | - 125 | Recovery | =      | 90.120% |          |
| 26) 1,2-Dichloroethane-d4     | 4.931    | 65    | 265326   | 44.561 | ug/L    | 0.00     |
| Spiked Amount 50.000          | Range 70 | - 125 | Recovery | =      | 89.120% |          |
| 32) Benzene-d6                | 4.950    | 84    | 873051   | 44.391 | ug/L    | 0.00     |
| Spiked Amount 50.000          | Range 70 | - 125 | Recovery | =      | 88.780% |          |
| 36) 1,2-Dichloropropane-d6    | 5.979    | 67    | 279726   | 44.666 | ug/L    | 0.00     |
| Spiked Amount 50.000          | Range 70 | - 120 | Recovery | =      | 89.340% |          |
| 41) Toluene-d8                | 7.233    | 98    | 800363   | 44.879 | ug/L    | 0.00     |
| Spiked Amount 50.000          | Range 80 | - 120 | Recovery | =      | 89.760% |          |
| 43) trans-1,3-Dichloroprop... | 7.545    | 79    | 127104   | 43.690 | ug/L    | 0.00     |
| Spiked Amount 50.000          | Range 60 | - 125 | Recovery | =      | 87.380% |          |
| 47) 2-Hexanone-d5             | 8.021    | 63    | 111352   | 84.204 | ug/L    | 0.00     |
| Spiked Amount 100.000         | Range 45 | - 130 | Recovery | =      | 84.200% |          |
| 56) 1,1,2,2-Tetrachloroeth... | 10.143   | 84    | 311907   | 42.864 | ug/L    | 0.00     |
| Spiked Amount 50.000          | Range 65 | - 120 | Recovery | =      | 85.720% |          |
| 66) 1,2-Dichlorobenzene-d4    | 11.551   | 152   | 313237   | 42.487 | ug/L    | 0.00     |
| Spiked Amount 50.000          | Range 80 | - 120 | Recovery | =      | 84.980% |          |
| Target Compounds              |          |       |          |        |         |          |
|                               |          |       |          |        | Qvalue  |          |
| 2) Dichlorodifluoromethane    | 1.108    | 85    | 272757   | 49.191 | ug/L    | 98       |
| 3) Chloromethane              | 1.217    | 50    | 276635   | 51.389 | ug/L    | 99       |
| 5) Vinyl chloride             | 1.285    | 62    | 290081   | 50.264 | ug/L    | 99       |
| 6) Bromomethane               | 1.487    | 94    | 165528   | 51.684 | ug/L    | 99       |
| 8) Chloroethane               | 1.548    | 64    | 179622   | 50.497 | ug/L    | 98       |
| 9) Trichlorofluoromethane     | 1.712    | 101   | 393001   | 50.590 | ug/L    | 98       |
| 10) 1,1,2-Trichloro-1,2,2-... | 2.069    | 101   | 236181   | 50.878 | ug/L    | 99       |
| 12) 1,1-Dichloroethene        | 2.069    | 96    | 217195   | 50.088 | ug/L    | 82       |
| 13) Acetone                   | 2.111    | 43    | 157235   | 78.759 | ug/L    | 100      |
| 14) Carbon disulfide          | 2.240    | 76    | 642951   | 47.502 | ug/L    | 99       |
| 15) Methyl Acetate            | 2.368    | 43    | 167313   | 48.023 | ug/L    | 100      |
| 16) Methylene chloride        | 2.442    | 84    | 247768   | 50.464 | ug/L    | 98       |
| 17) trans-1,2-Dichloroethene  | 2.687    | 96    | 231342   | 50.431 | ug/L    | 99       |
| 18) Methyl tert-butyl Ether   | 2.703    | 73    | 664632   | 50.500 | ug/L    | 100      |
| 19) 1,1-Dichloroethane        | 3.101    | 63    | 448680   | 51.049 | ug/L    | 100      |
| 20) cis-1,2-Dichloroethene    | 3.805    | 96    | 255516   | 49.775 | ug/L    | 99       |
| 22) 2-Butanone                | 3.867    | 43    | 190023   | 85.995 | ug/L    | 96       |
| 23) Bromochloromethane        | 4.137    | 128   | 132925   | 50.058 | ug/L    | 99       |

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| Compound                      | R.T.   | QIon | Response | Conc   | Units | Dev(Min) |
|-------------------------------|--------|------|----------|--------|-------|----------|
| 25) Chloroform                | 4.265  | 83   | 463763   | 50.963 | ug/L  | 99       |
| 27) 1,2-Dichloroethane        | 5.031  | 62   | 327909   | 51.043 | ug/L  | 99       |
| 29) Cyclohexane               | 4.571  | 56   | 347669   | 48.720 | ug/L  | 99       |
| 30) 1,1,1-Trichloroethane     | 4.500  | 97   | 392225   | 50.669 | ug/L  | 99       |
| 31) Carbon tetrachloride      | 4.722  | 117  | 339825   | 50.494 | ug/L  | 99       |
| 33) Benzene                   | 4.998  | 78   | 973241   | 51.344 | ug/L  | 100      |
| 34) Trichloroethene           | 5.825  | 95   | 251972   | 49.916 | ug/L  | 97       |
| 35) Methylcyclohexane         | 6.040  | 83   | 388409   | 50.016 | ug/L  | 99       |
| 37) 1,2-Dichloropropane       | 6.085  | 63   | 255880   | 52.277 | ug/L  | 100      |
| 38) Bromodichloromethane      | 6.423  | 83   | 335186   | 51.226 | ug/L  | 99       |
| 39) cis-1,3-Dichloropropene   | 6.944  | 75   | 405290   | 51.871 | ug/L  | 100      |
| 40) 4-Methyl-2-pentanone      | 7.153  | 43   | 379845   | 95.310 | ug/L  | 100      |
| 42) Toluene                   | 7.307  | 91   | 1025424  | 52.183 | ug/L  | 99       |
| 44) trans-1,3-Dichloropropene | 7.574  | 75   | 357430   | 50.812 | ug/L  | 98       |
| 45) 1,1,2-Trichloroethane     | 7.760  | 97   | 239826   | 51.027 | ug/L  | 99       |
| 46) Tetrachloroethene         | 7.895  | 164  | 188521   | 48.846 | ug/L  | 96       |
| 48) 2-Hexanone                | 8.069  | 43   | 281716   | 90.908 | ug/L  | 99       |
| 49) Dibromochloromethane      | 8.169  | 129  | 252458   | 50.752 | ug/L  | 97       |
| 50) 1,2-Dibromoethane         | 8.275  | 107  | 240372   | 49.476 | ug/L  | 100      |
| 51) Chlorobenzene             | 8.805  | 112  | 676956   | 50.565 | ug/L  | 100      |
| 52) Ethylbenzene              | 8.937  | 91   | 1126951  | 50.948 | ug/L  | 99       |
| 53) m,p-Xylene                | 9.066  | 106  | 430967   | 52.351 | ug/L  | 99       |
| 54) o-Xylene                  | 9.471  | 106  | 415777   | 51.732 | ug/L  | 97       |
| 55) Styrene                   | 9.487  | 104  | 753559   | 53.859 | ug/L  | 100      |
| 57) 1,1,2,2-Tetrachloroethane | 10.169 | 83   | 316473   | 48.296 | ug/L  | 98       |
| 59) Bromoform                 | 9.657  | 173  | 161139   | 47.122 | ug/L  | 96       |
| 60) Isopropylbenzene          | 9.860  | 105  | 1118122  | 49.155 | ug/L  | 99       |
| 61) 1,2,3-Trichloropropane    | 10.201 | 75   | 228512   | 45.899 | ug/L  | 99       |
| 62) 1,3,5-Trimethylbenzene    | 10.468 | 105  | 898127   | 49.941 | ug/L  | 100      |
| 63) 1,2,4-Trimethylbenzene    | 10.844 | 105  | 892798   | 49.896 | ug/L  | 100      |
| 64) 1,3-Dichlorobenzene       | 11.111 | 146  | 538871   | 49.217 | ug/L  | 99       |
| 65) 1,4-Dichlorobenzene       | 11.201 | 146  | 558932   | 49.026 | ug/L  | 99       |
| 67) 1,2-Dichlorobenzene       | 11.570 | 146  | 520810   | 48.118 | ug/L  | 100      |
| 68) 1,2-Dibromo-3-chloropr... | 12.355 | 75   | 50915    | 42.130 | ug/L  | 98       |
| 69) 1,3,5-Trichlorobenzene    | 12.574 | 180  | 355054   | 47.157 | ug/L  | 99       |
| 70) 1,2,4-trichlorobenzene    | 13.191 | 180  | 320335   | 45.856 | ug/L  | 99       |
| 71) Naphthalene               | 13.432 | 128  | 758298   | 41.548 | ug/L  | 100      |
| 72) 1,2,3-Trichlorobenzene    | 13.673 | 180  | 311071   | 45.093 | ug/L  | 99       |

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

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