

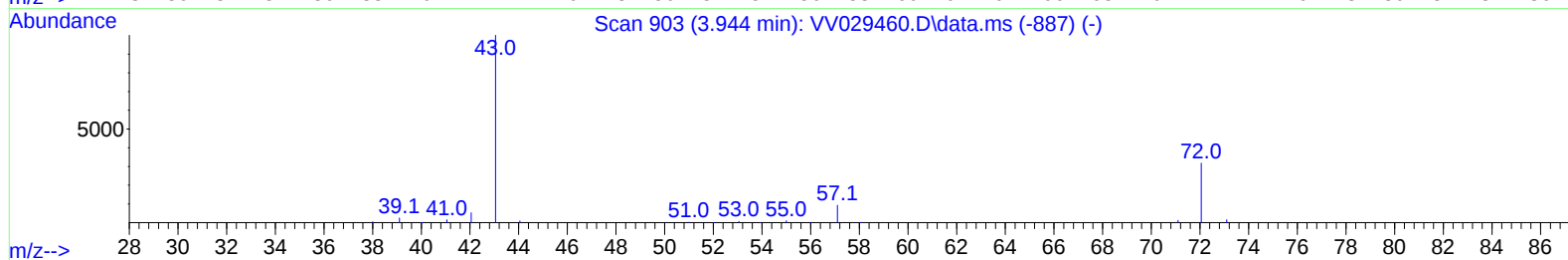
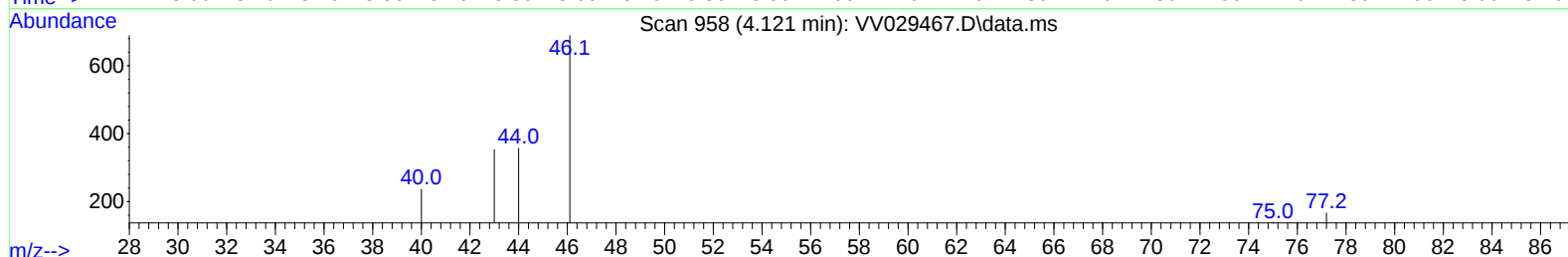
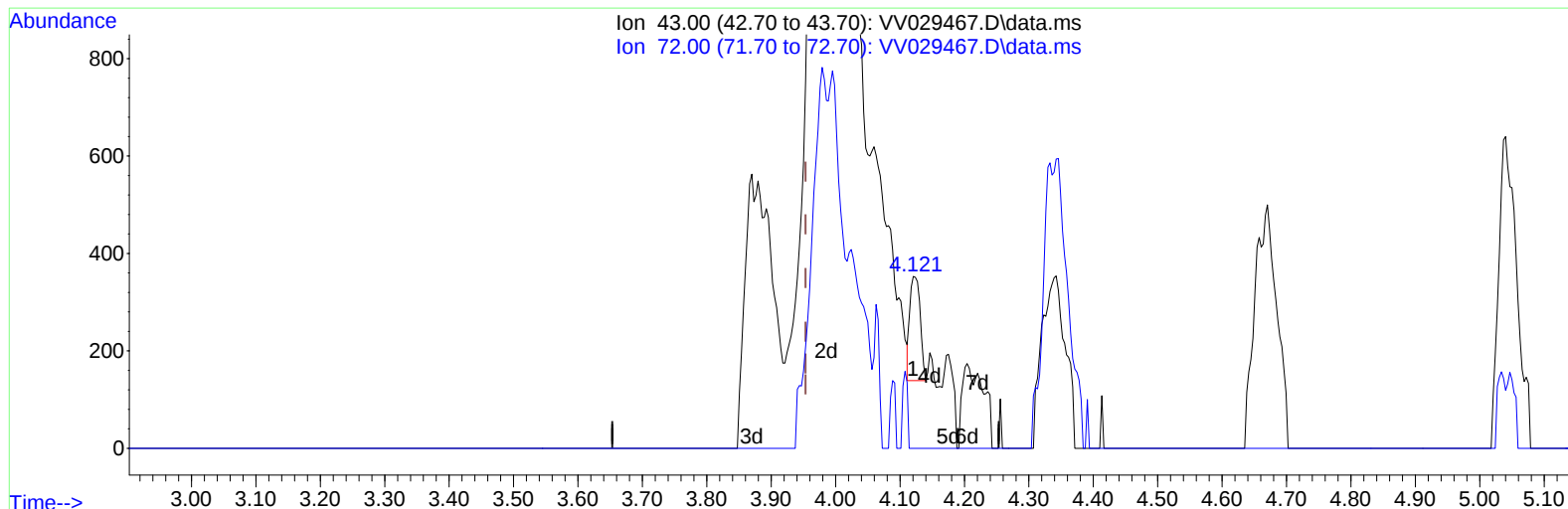
Data Path : Z:\voasrv\HPCHEM1\MSVOA\_V\Data\VV120822\  
 Data File : VV029467.D  
 Acq On : 08 Dec 2022 13:05  
 Operator : SY/MD  
 Sample : MDL04  
 Misc : 5.00g/5.0mL/100uL/5.0mL/MSVOA\_V/MEOH  
 ALS Vial : 10 Sample Multiplier: 1

Instrument :  
 MSVOA\_V  
 ClientSampleId :  
 MDL04

## Manual IntegrationsAPPROVED

Reviewed By :Krupa Patel 12/09/2022  
 Supervised By :Mahesh Dadoda 12/09/2022

Quant Time: Dec 09 02:00:06 2022  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_V\Method\SFAMVLM120722WMA.M  
 Quant Title : VOC Analysis  
 QLast Update : Thu Dec 08 01:48:46 2022  
 Response via : Initial Calibration



TIC: VV029467.D\data.ms

## (22) 2-Butanone (T)

4.121min (+ 0.167) 0.12 ug/L

| response | 238    |        |
|----------|--------|--------|
| Ion      | Exp%   | Act%   |
| 43.00    | 100.00 | 100.00 |
| 72.00    | 31.70  | 34.03  |
| 0.00     | 0.00   | 0.00   |
| 0.00     | 0.00   | 0.00   |

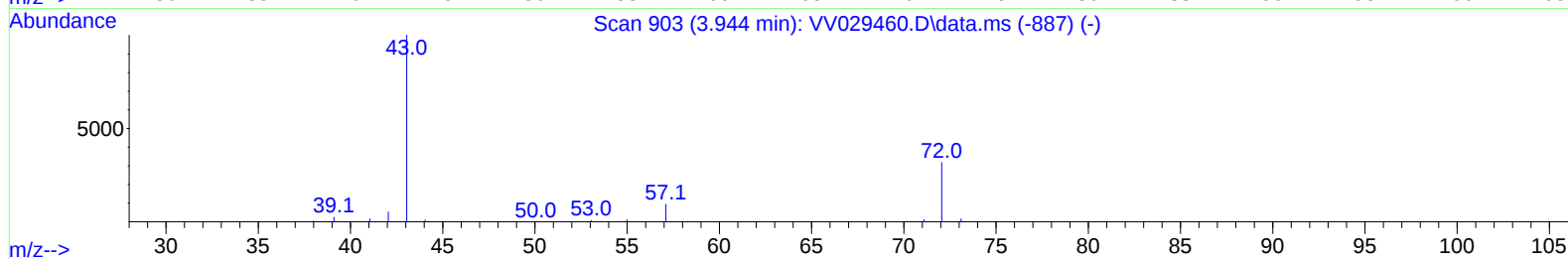
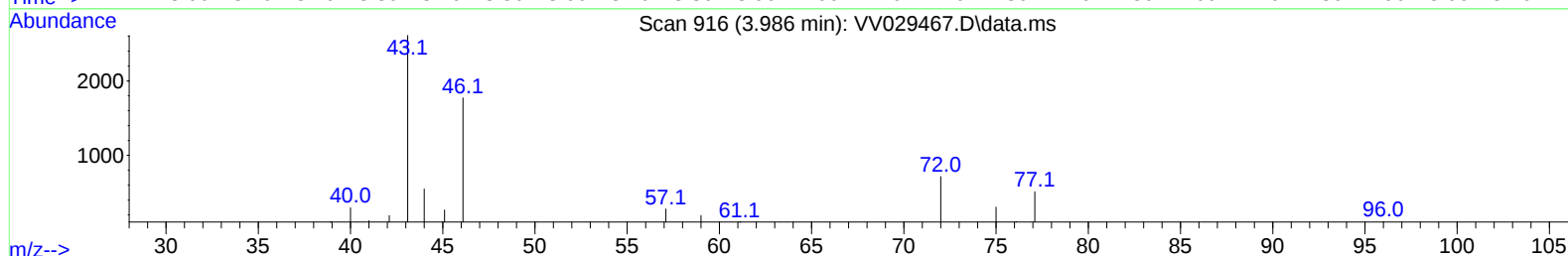
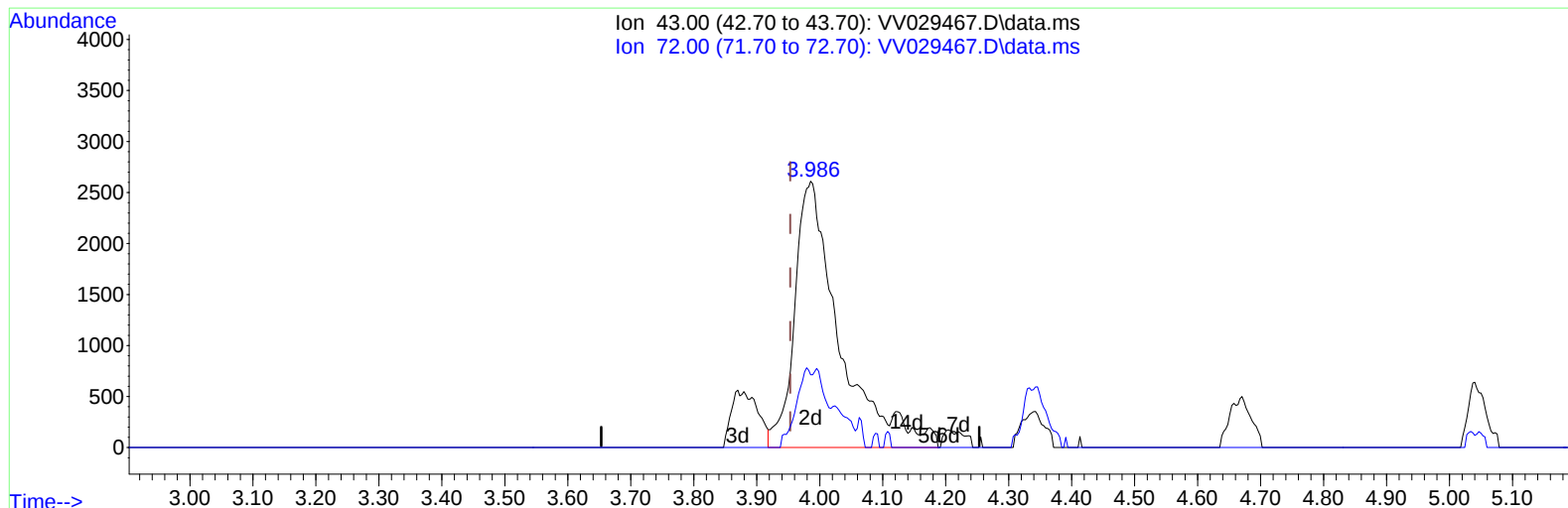
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## (22) 2-Butanone (T)

3.986min (+ 0.032) 6.66 ug/L m

response 12929

| Ion   | Exp%   | Act%   |
|-------|--------|--------|
| 43.00 | 100.00 | 100.00 |
| 72.00 | 31.70  | 0.63#  |
| 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        | 5.609   | 114            | 501437   | 50.000  | ug/L     | 0.00     |
| 28) Chlorobenzene-d5          | 8.844   | 117            | 467199   | 50.000  | ug/L     | 0.00     |
| 58) 1,4-Dichlorobenzene-d4    | 11.239  | 152            | 247966   | 50.000  | ug/L     | 0.00     |
| System Monitoring Compounds   |         |                |          |         |          |          |
| 4) Vinyl Chloride-d3          | 1.304   | 65             | 111699   | 36.377  | ug/L     | 0.00     |
| Spiked Amount                 | 50.000  | Range 60 - 135 | Recovery | =       | 72.760%  |          |
| 7) Chloroethane-d5            | 1.561   | 69             | 94905    | 40.533  | ug/L     | 0.00     |
| Spiked Amount                 | 50.000  | Range 70 - 130 | Recovery | =       | 81.060%  |          |
| 11) 1,1-Dichloroethene-d2     | 2.105   | 63             | 146850   | 30.662  | ug/L     | 0.00     |
| Spiked Amount                 | 50.000  | Range 60 - 125 | Recovery | =       | 61.320%  |          |
| 21) 2-Butanone-d5             | 3.870   | 46             | 198524   | 105.985 | ug/L     | 0.00     |
| Spiked Amount                 | 100.000 | Range 40 - 130 | Recovery | =       | 105.980% |          |
| 24) Chloroform-d              | 4.343   | 84             | 250798   | 43.404  | ug/L     | 0.00     |
| Spiked Amount                 | 50.000  | Range 70 - 125 | Recovery | =       | 86.800%  |          |
| 26) 1,2-Dichloroethane-d4     | 5.024   | 65             | 153184   | 46.417  | ug/L     | 0.00     |
| Spiked Amount                 | 50.000  | Range 70 - 125 | Recovery | =       | 92.840%  |          |
| 32) Benzene-d6                | 5.043   | 84             | 528585   | 42.818  | ug/L     | 0.00     |
| Spiked Amount                 | 50.000  | Range 70 - 125 | Recovery | =       | 85.640%  |          |
| 36) 1,2-Dichloropropane-d6    | 6.063   | 67             | 169184   | 44.867  | ug/L     | 0.00     |
| Spiked Amount                 | 50.000  | Range 70 - 120 | Recovery | =       | 89.740%  |          |
| 41) Toluene-d8                | 7.310   | 98             | 484910   | 41.689  | ug/L     | 0.00     |
| Spiked Amount                 | 50.000  | Range 80 - 120 | Recovery | =       | 83.380%  |          |
| 43) trans-1,3-Dichloroprop... | 7.612   | 79             | 79427    | 41.713  | ug/L     | 0.00     |
| Spiked Amount                 | 50.000  | Range 60 - 125 | Recovery | =       | 83.420%  |          |
| 47) 2-Hexanone-d5             | 8.082   | 63             | 163802   | 101.726 | ug/L     | 0.00     |
| Spiked Amount                 | 100.000 | Range 45 - 130 | Recovery | =       | 101.730% |          |
| 56) 1,1,2,2-Tetrachloroeth... | 10.207  | 84             | 248197   | 46.061  | ug/L     | 0.00     |
| Spiked Amount                 | 50.000  | Range 65 - 120 | Recovery | =       | 92.120%  |          |
| 66) 1,2-Dichlorobenzene-d4    | 11.612  | 152            | 208273   | 44.123  | ug/L     | 0.00     |
| Spiked Amount                 | 50.000  | Range 80 - 120 | Recovery | =       | 88.240%  |          |
| Target Compounds              |         |                |          |         |          |          |
|                               |         |                |          |         | Qvalue   |          |
| 2) Dichlorodifluoromethane    | 1.127   | 85             | 9059     | 2.294   | ug/L     | 96       |
| 3) Chloromethane              | 1.240   | 50             | 10447    | 2.320   | ug/L     | 99       |
| 5) Vinyl chloride             | 1.307   | 62             | 9549     | 2.534   | ug/L #   | 75       |
| 6) Bromomethane               | 1.516   | 94             | 4539     | 2.994   | ug/L     | 98       |
| 8) Chloroethane               | 1.581   | 64             | 5582     | 2.661   | ug/L     | 98       |
| 9) Trichlorofluoromethane     | 1.751   | 101            | 11355    | 2.407   | ug/L     | 99       |
| 10) 1,1,2-Trichloro-1,2,2-... | 2.114   | 101            | 7773     | 2.966   | ug/L     | 85       |
| 12) 1,1-Dichloroethene        | 2.114   | 96             | 7829     | 2.921   | ug/L #   | 1        |
| 13) Acetone                   | 2.159   | 43             | 8230     | 6.744   | ug/L     | 100      |
| 14) Carbon disulfide          | 2.291   | 76             | 21351    | 2.394   | ug/L     | 99       |
| 15) Methyl Acetate            | 2.429   | 43             | 6966     | 2.506   | ug/L #   | 75       |
| 16) Methylene chloride        | 2.503   | 84             | 9708     | 2.913   | ug/L     | 94       |
| 17) trans-1,2-Dichloroethene  | 2.761   | 96             | 7561     | 2.448   | ug/L     | 97       |
| 18) Methyl tert-butyl Ether   | 2.767   | 73             | 23781    | 2.513   | ug/L     | 98       |
| 19) 1,1-Dichloroethane        | 3.185   | 63             | 13469    | 2.546   | ug/L     | 98       |
| 20) cis-1,2-Dichloroethene    | 3.905   | 96             | 8627     | 2.540   | ug/L     | 83       |
| 22) 2-Butanone                | 3.986   | 43             | 12929m   | 6.659   | ug/L     |          |
| 23) Bromochloromethane        | 4.246   | 128            | 4333     | 2.478   | ug/L     | 94       |
| 25) Chloroform                | 4.371   | 83             | 13994    | 2.551   | ug/L     | 97       |

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 QLast Update : Thu Dec 08 01:48:46 2022  
 Response via : Initial Calibration

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 Supervised By :Mahesh Dadoda 12/09/2022

| Compound                      | R.T.   | QIon | Response | Conc  | Units  | Dev(Min) |
|-------------------------------|--------|------|----------|-------|--------|----------|
| 27) 1,2-Dichloroethane        | 5.133  | 62   | 9683     | 2.499 | ug/L # | 92       |
| 29) Cyclohexane               | 4.667  | 56   | 11594    | 2.291 | ug/L   | 97       |
| 30) 1,1,1-Trichloroethane     | 4.603  | 97   | 12425    | 2.441 | ug/L   | 97       |
| 31) Carbon tetrachloride      | 4.822  | 117  | 10088    | 2.270 | ug/L   | 97       |
| 33) Benzene                   | 5.098  | 78   | 30029    | 2.280 | ug/L   | 100      |
| 34) Trichloroethene           | 5.912  | 95   | 7966     | 2.414 | ug/L   | 97       |
| 35) Methylcyclohexane         | 6.127  | 83   | 13331    | 2.379 | ug/L   | 98       |
| 37) 1,2-Dichloropropane       | 6.172  | 63   | 7402     | 2.329 | ug/L # | 96       |
| 38) Bromodichloromethane      | 6.506  | 83   | 9908     | 2.258 | ug/L   | 88       |
| 39) cis-1,3-Dichloropropene   | 7.027  | 75   | 10593    | 2.026 | ug/L   | 95       |
| 40) 4-Methyl-2-pentanone      | 7.227  | 43   | 18216    | 4.807 | ug/L   | 99       |
| 42) Toluene                   | 7.384  | 91   | 33449    | 2.360 | ug/L   | 100      |
| 44) trans-1,3-Dichloropropene | 7.648  | 75   | 11223    | 2.267 | ug/L   | 96       |
| 45) 1,1,2-Trichloroethane     | 7.834  | 97   | 7800     | 2.375 | ug/L   | 95       |
| 46) Tetrachloroethene         | 7.969  | 164  | 6742     | 2.541 | ug/L   | 94       |
| 48) 2-Hexanone                | 8.143  | 43   | 15175    | 5.241 | ug/L # | 90       |
| 49) Dibromochloromethane      | 8.239  | 129  | 8331     | 2.298 | ug/L   | 94       |
| 50) 1,2-Dibromoethane         | 8.349  | 107  | 8033     | 2.375 | ug/L # | 99       |
| 51) Chlorobenzene             | 8.873  | 112  | 22454    | 2.502 | ug/L   | 99       |
| 52) Ethylbenzene              | 9.005  | 91   | 34233    | 2.297 | ug/L   | 98       |
| 53) m,p-Xylene                | 9.133  | 106  | 13252    | 2.247 | ug/L   | 98       |
| 54) o-Xylene                  | 9.535  | 106  | 12980    | 2.225 | ug/L   | 95       |
| 55) Styrene                   | 9.555  | 104  | 22281    | 2.198 | ug/L   | 94       |
| 57) 1,1,2,2-Tetrachloroethane | 10.233 | 83   | 13298    | 2.532 | ug/L # | 92       |
| 59) Bromoform                 | 9.722  | 173  | 6147     | 2.244 | ug/L   | 97       |
| 60) Isopropylbenzene          | 9.924  | 105  | 33771    | 2.320 | ug/L   | 100      |
| 61) 1,2,3-Trichloropropane    | 10.265 | 75   | 10319    | 2.696 | ug/L   | 99       |
| 62) 1,3,5-Trimethylbenzene    | 10.529 | 105  | 28794    | 2.237 | ug/L   | 98       |
| 63) 1,2,4-Trimethylbenzene    | 10.905 | 105  | 27959    | 2.191 | ug/L   | 98       |
| 64) 1,3-Dichlorobenzene       | 11.172 | 146  | 17028    | 2.392 | ug/L   | 98       |
| 65) 1,4-Dichlorobenzene       | 11.262 | 146  | 18386    | 2.541 | ug/L   | 94       |
| 67) 1,2-Dichlorobenzene       | 11.632 | 146  | 18777    | 2.580 | ug/L   | 98       |
| 68) 1,2-Dibromo-3-chloropr... | 12.416 | 75   | 2834     | 2.382 | ug/L   | 87       |
| 69) 1,3,5-Trichlorobenzene    | 12.635 | 180  | 13392    | 2.364 | ug/L   | 98       |
| 70) 1,2,4-trichlorobenzene    | 13.252 | 180  | 12034    | 2.389 | ug/L   | 98       |
| 71) Naphthalene               | 13.496 | 128  | 23643    | 2.069 | ug/L   | 99       |
| 72) 1,2,3-Trichlorobenzene    | 13.731 | 180  | 11262    | 2.283 | ug/L   | 97       |

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

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