

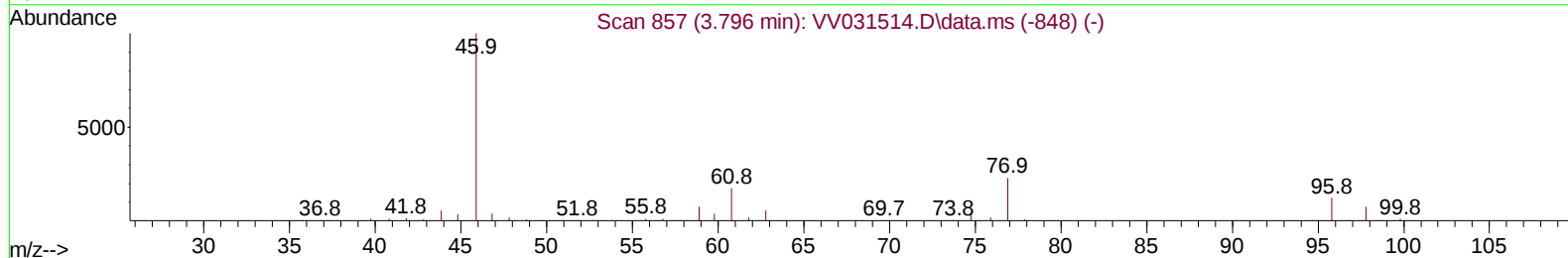
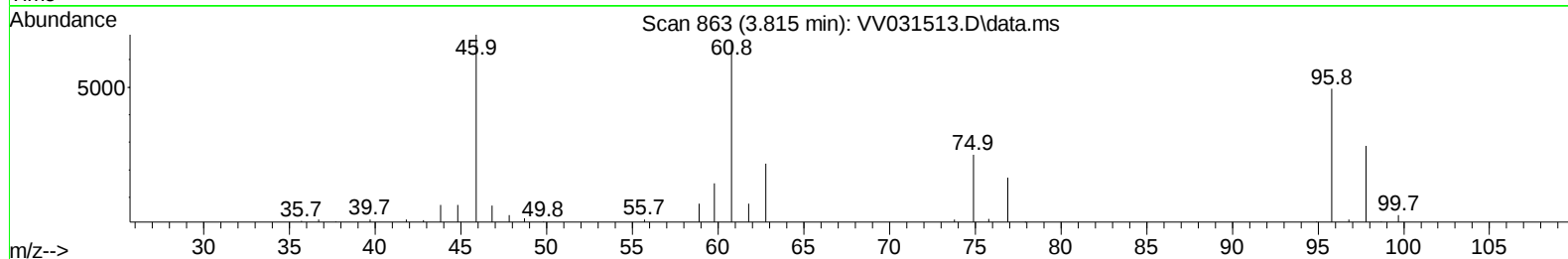
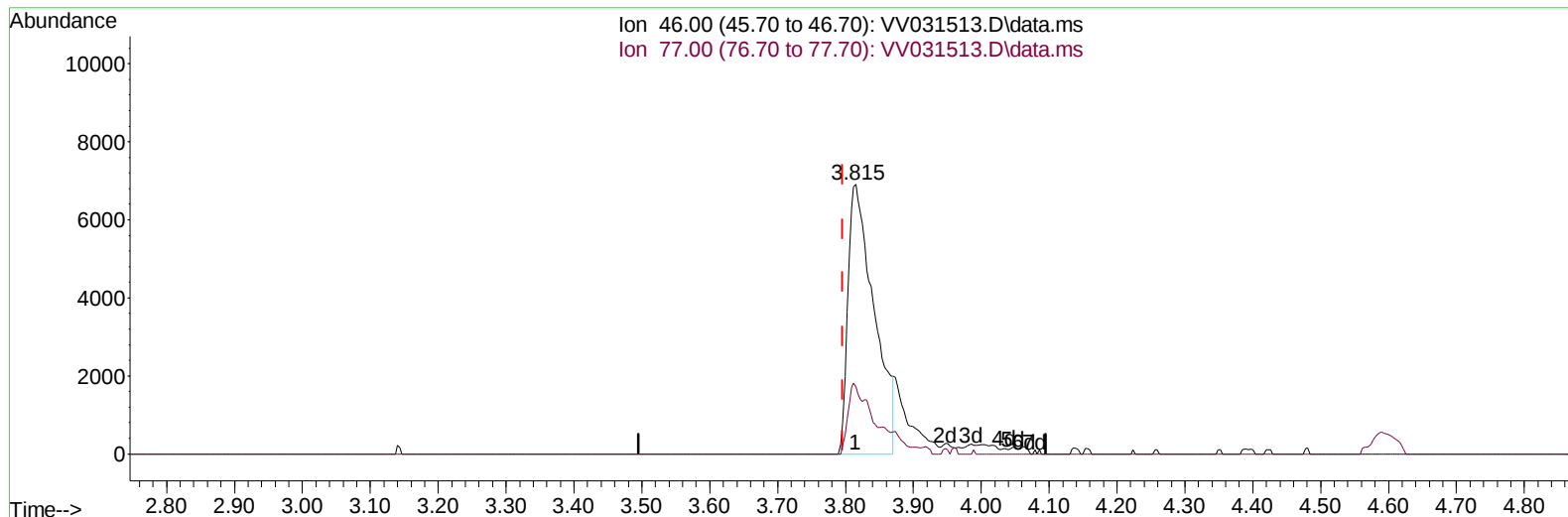
Data Path : Z:\voasrv\HPCHEM1\MSVOA\_V\Data\VV061423\  
 Data File : VV031513.D  
 Acq On : 14 Jun 2023 13:55  
 Operator : SY/MD  
 Sample : VSTD01034  
 Misc : 5.0mL/MSVOA\_V/WATER  
 ALS Vial : 4 Sample Multiplier: 1

Instrument :  
 MSVOA\_V  
 ClientSampleId :  
 VSTD010234

Manual IntegrationsAPPROVED

Quant Time: Jun 15 00:17:19 2023  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_V\Method\SFAMVLM061423WMA.M  
 Quant Title : VOC Analysis  
 QLast Update : Thu Jun 15 00:16:25 2023  
 Response via : Initial Calibration

Reviewed By :Krupa Patel 06/15/2023  
 Supervised By :Mahesh Dadoda 06/15/2023



TIC: VV031513.D\data.ms

(21) 2-Butanone-d5 (S)

3.815min (+ 0.019) 17.48 ug/L

response 18437

| Ion   | Exp%   | Act%   |
|-------|--------|--------|
| 46.00 | 100.00 | 100.00 |
| 77.00 | 22.60  | 13.03# |
| 0.00  | 0.00   | 0.00   |
| 0.00  | 0.00   | 0.00   |

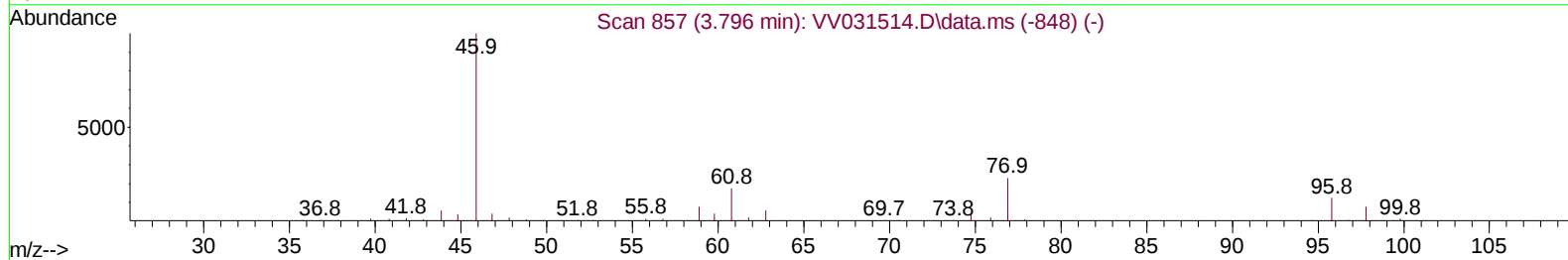
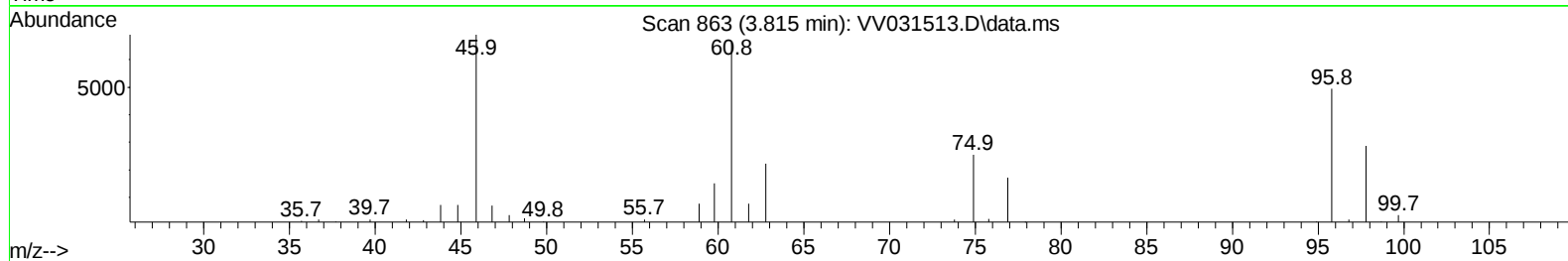
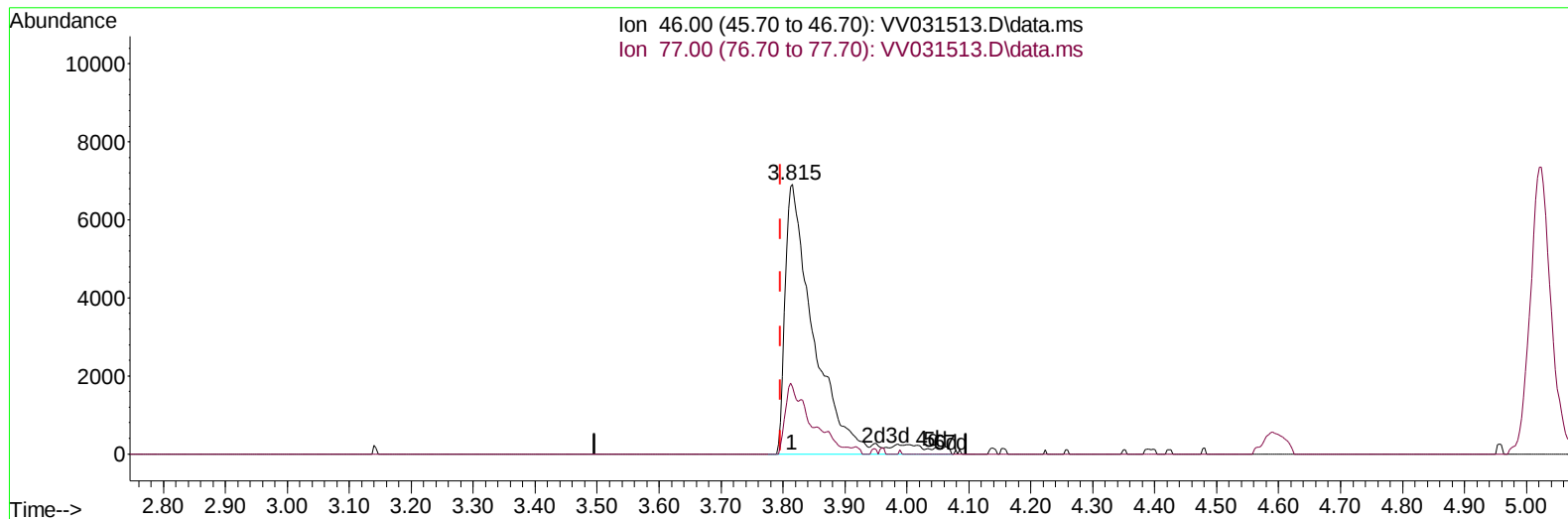
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Manual IntegrationsAPPROVED

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TIC: VV031513.D\data.ms

(21) 2-Butanone-d5 (S)

3.815min (+ 0.019) 21.69 ug/L m

response 22875

| Ion   | Exp%   | Act%   |
|-------|--------|--------|
| 46.00 | 100.00 | 100.00 |
| 77.00 | 22.60  | 10.50# |
| 0.00  | 0.00   | 0.00   |
| 0.00  | 0.00   | 0.00   |

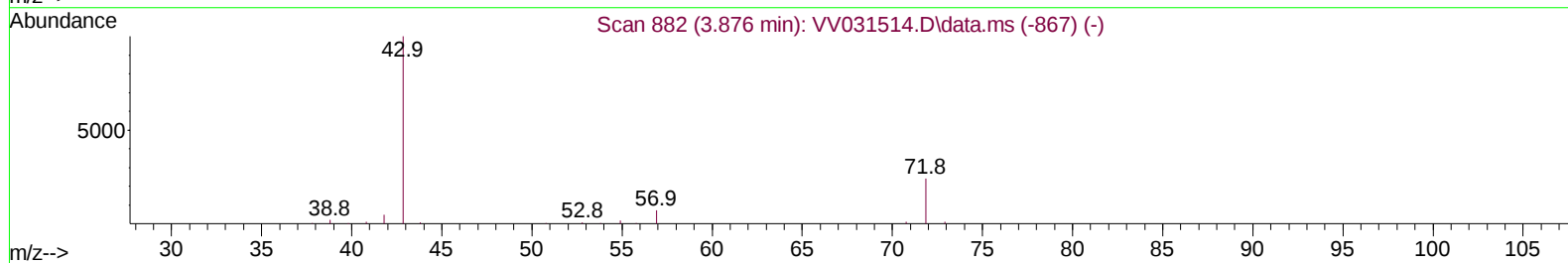
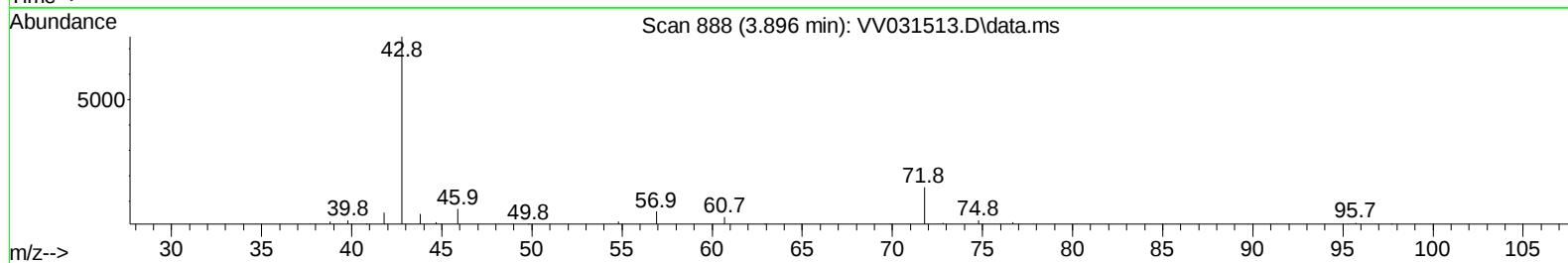
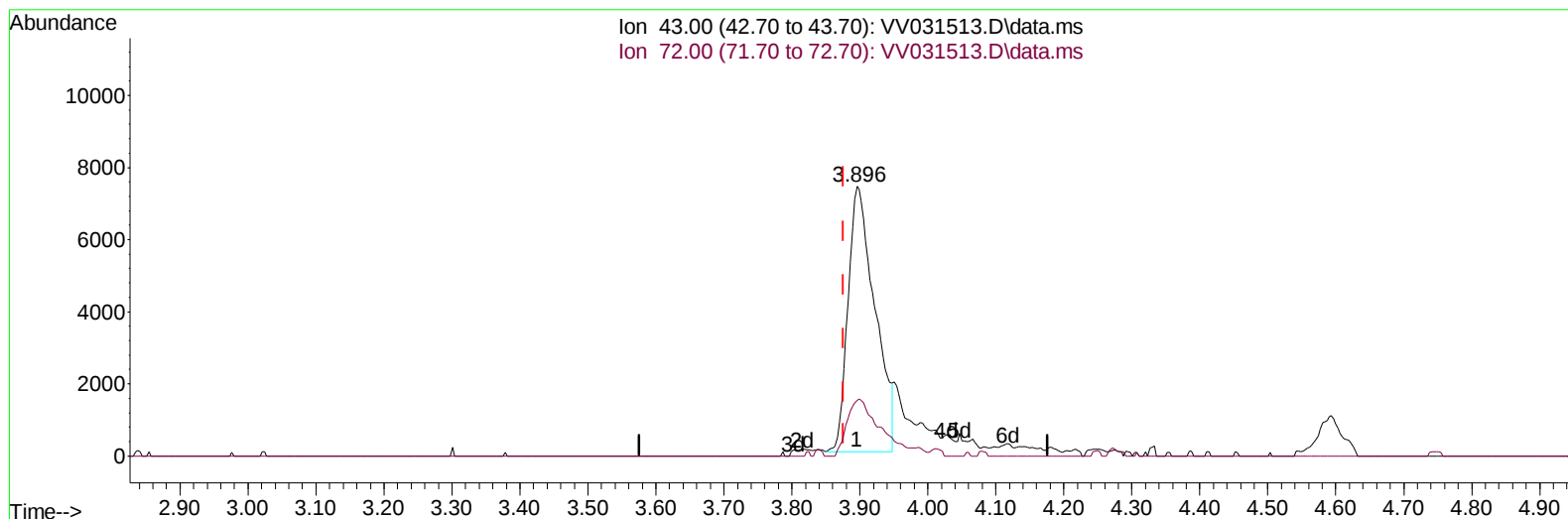
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Instrument :  
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 ClientSampleId :  
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Manual IntegrationsAPPROVED

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 Supervised By :Mahesh Dadoda 06/15/2023



TIC: VV031513.D\data.ms

(22) 2-Butanone (T)

3.896min (+ 0.019) 15.58 ug/L

response 20239

| Ion   | Exp%   | Act%   |
|-------|--------|--------|
| 43.00 | 100.00 | 100.00 |
| 72.00 | 24.30  | 19.83  |
| 0.00  | 0.00   | 0.00   |
| 0.00  | 0.00   | 0.00   |

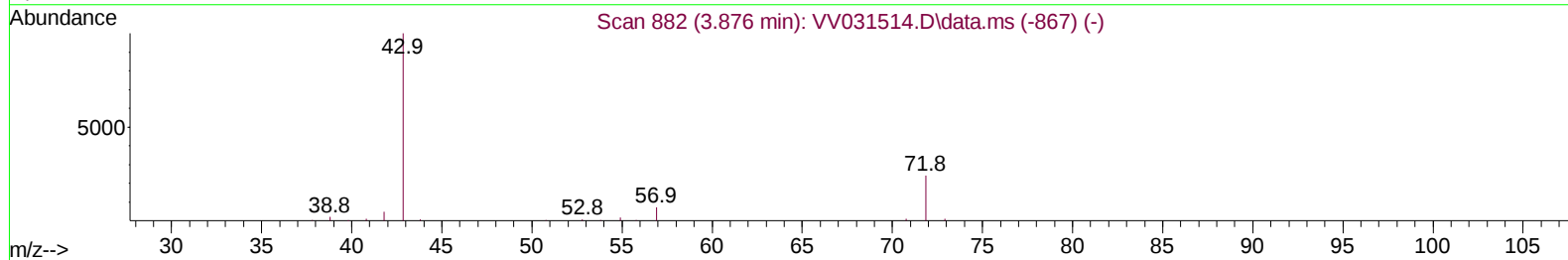
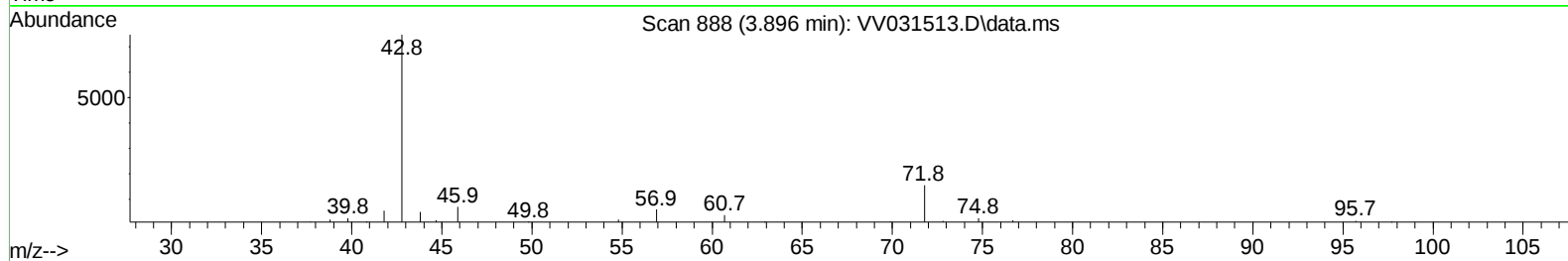
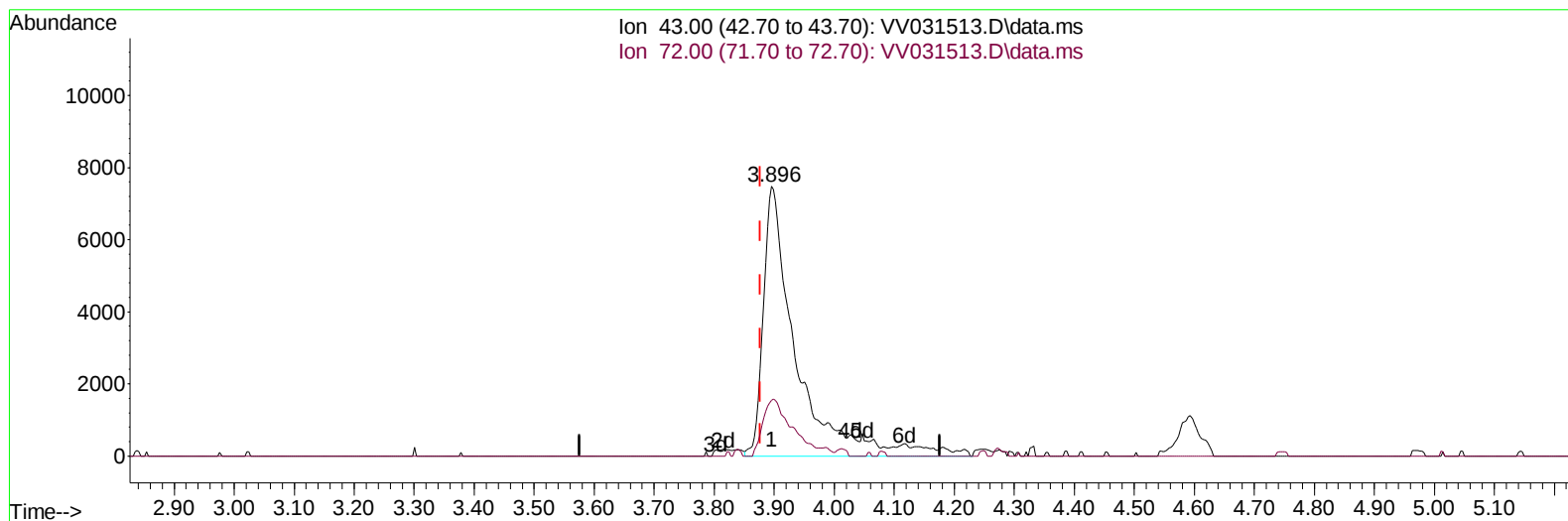
Data Path : Z:\voasrv\HPCHEM1\MSVOA\_V\Data\VV061423\  
 Data File : VV031513.D  
 Acq On : 14 Jun 2023 13:55  
 Operator : SY/MD  
 Sample : VSTD01034  
 Misc : 5.0mL/MSVOA\_V/WATER  
 ALS Vial : 4 Sample Multiplier: 1

Instrument :  
 MSVOA\_V  
 ClientSampleId :  
 VSTD010234

Manual IntegrationsAPPROVED

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 Quant Title : VOC Analysis  
 QLast Update : Thu Jun 15 00:16:25 2023  
 Response via : Initial Calibration

Reviewed By :Krupa Patel 06/15/2023  
 Supervised By :Mahesh Dadoda 06/15/2023



TIC: VV031513.D\data.ms

**(22) 2-Butanone (T)**

**3.896min (+ 0.019) 22.09 ug/L m**

**response 28702**

| Ion   | Exp%   | Act%   |
|-------|--------|--------|
| 43.00 | 100.00 | 100.00 |
| 72.00 | 24.30  | 13.98  |
| 0.00  | 0.00   | 0.00   |
| 0.00  | 0.00   | 0.00   |

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_V\Data\VV061423\  
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 Acq On : 14 Jun 2023 13:55  
 Operator : SY/MD  
 Sample : VSTD01034  
 Misc : 5.0mL/MSVOA\_V/WATER  
 ALS Vial : 4 Sample Multiplier: 1

Instrument :  
 MSVOA\_V  
 ClientSampleId :  
 VSTD010234

Manual IntegrationsAPPROVED

Quant Time: Jun 15 00:17:19 2023  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_V\Method\SFAMVLM061423WMA.M  
 Quant Title : VOC Analysis  
 QLast Update : Thu Jun 15 00:16:25 2023  
 Response via : Initial Calibration

Reviewed By :Krupa Patel 06/15/2023  
 Supervised By :Mahesh Dadoda 06/15/2023

| Compound                      | R.T.   | QIon | Response | Conc   | Units  | Dev(Min) |
|-------------------------------|--------|------|----------|--------|--------|----------|
| -----                         |        |      |          |        |        |          |
| Internal Standards            |        |      |          |        |        |          |
| 1) 1,4-Difluorobenzene        | 5.542  | 114  | 223253   | 50.000 | ug/L   | 0.00     |
| 28) Chlorobenzene-d5          | 8.789  | 117  | 223675   | 50.000 | ug/L   | 0.00     |
| 58) 1,4-Dichlorobenzene-d4    | 11.191 | 152  | 124325   | 50.000 | ug/L   | 0.00     |
| System Monitoring Compounds   |        |      |          |        |        |          |
| 4) Vinyl Chloride-d3          | 1.282  | 65   | 15675    | 8.531  | ug/L   | 0.00     |
| 7) Chloroethane-d5            | 1.539  | 69   | 13521    | 9.302  | ug/L   | 0.00     |
| 11) 1,1-Dichloroethene-d2     | 2.066  | 65   | 7963     | 9.163  | ug/L   | 0.00     |
| 21) 2-Butanone-d5             | 3.815  | 46   | 22875m   | 21.692 | ug/L   | 0.02     |
| 24) Chloroform-d              | 4.265  | 84   | 38499    | 11.108 | ug/L   | 0.00     |
| 26) 1,2-Dichloroethane-d4     | 4.954  | 65   | 23723    | 10.306 | ug/L   | 0.00     |
| 32) Benzene-d6                | 4.973  | 84   | 59641    | 9.683  | ug/L   | 0.00     |
| 36) 1,2-Dichloropropane-d6    | 5.998  | 67   | 21883    | 11.453 | ug/L   | 0.00     |
| 41) Toluene-d8                | 7.252  | 98   | 52255    | 9.135  | ug/L   | 0.00     |
| 43) trans-1,3-Dichloroprop... | 7.564  | 79   | 10200    | 10.708 | ug/L   | 0.00     |
| 47) 2-Hexanone-d5             | 8.037  | 63   | 13978    | 18.580 | ug/L   | 0.00     |
| 56) 1,1,2,2-Tetrachloroeth... | 10.159 | 84   | 33749    | 11.757 | ug/L   | 0.00     |
| 66) 1,2-Dichlorobenzene-d4    | 11.567 | 152  | 23380    | 10.262 | ug/L   | 0.00     |
| Target Compounds              |        |      |          |        |        |          |
|                               |        |      |          |        | Qvalue |          |
| 2) Dichlorodifluoromethane    | 1.111  | 85   | 24252    | 14.893 | ug/L   | 99       |
| 3) Chloromethane              | 1.217  | 50   | 22847    | 13.397 | ug/L   | 96       |
| 5) Vinyl chloride             | 1.288  | 62   | 22102    | 14.119 | ug/L   | 100      |
| 6) Bromomethane               | 1.494  | 94   | 13671    | 14.657 | ug/L   | 94       |
| 8) Chloroethane               | 1.555  | 64   | 17153    | 16.953 | ug/L   | 92       |
| 9) Trichlorofluoromethane     | 1.719  | 101  | 36864    | 12.493 | ug/L   | 99       |
| 10) 1,1,2-Trichloro-1,2,2-... | 2.076  | 101  | 19155    | 12.321 | ug/L   | 99       |
| 12) 1,1-Dichloroethene        | 2.076  | 96   | 16032    | 12.021 | ug/L   | 94       |
| 13) Acetone                   | 2.124  | 43   | 23446    | 18.007 | ug/L   | 98       |
| 14) Carbon disulfide          | 2.249  | 76   | 47948    | 17.054 | ug/L   | 98       |
| 15) Methyl Acetate            | 2.384  | 43   | 18595    | 11.656 | ug/L   | 98       |
| 16) Methylene chloride        | 2.455  | 84   | 21163    | 14.002 | ug/L   | 99       |
| 17) trans-1,2-Dichloroethene  | 2.700  | 96   | 15626    | 12.313 | ug/L   | 94       |
| 18) Methyl tert-butyl Ether   | 2.712  | 73   | 52066    | 11.048 | ug/L   | 99       |
| 19) 1,1-Dichloroethane        | 3.124  | 63   | 36517    | 12.892 | ug/L   | 96       |
| 20) cis-1,2-Dichloroethene    | 3.831  | 96   | 17247    | 11.398 | ug/L   | 92       |
| 22) 2-Butanone                | 3.896  | 43   | 28702m   | 22.094 | ug/L   |          |
| 23) Bromochloromethane        | 4.166  | 128  | 9816     | 11.877 | ug/L   | 90       |
| 25) Chloroform                | 4.288  | 83   | 37400    | 12.001 | ug/L   | 78       |
| 27) 1,2-Dichloroethane        | 5.053  | 62   | 29077    | 11.298 | ug/L   | 98       |
| 29) Cyclohexane               | 4.590  | 56   | 24254    | 12.094 | ug/L   | 99       |
| 30) 1,1,1-Trichloroethane     | 4.523  | 97   | 35423    | 12.163 | ug/L   | 98       |
| 31) Carbon tetrachloride      | 4.745  | 117  | 30395    | 11.879 | ug/L   | 99       |
| 33) Benzene                   | 5.021  | 78   | 70469    | 12.162 | ug/L   | 100      |
| 34) Trichloroethene           | 5.844  | 95   | 18892    | 12.163 | ug/L   | 97       |
| 35) Methylcyclohexane         | 6.056  | 83   | 23712    | 11.144 | ug/L   | 93       |
| 37) 1,2-Dichloropropane       | 6.101  | 63   | 20139    | 12.425 | ug/L # | 91       |
| 38) Bromodichloromethane      | 6.442  | 83   | 28271    | 11.639 | ug/L   | 97       |
| 39) cis-1,3-Dichloropropene   | 6.963  | 75   | 25716    | 10.307 | ug/L   | 98       |
| 40) 4-Methyl-2-pentanone      | 7.169  | 43   | 43919    | 18.605 | ug/L   | 95       |
| 42) Toluene                   | 7.323  | 91   | 67387    | 10.793 | ug/L   | 100      |

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 Sample : VSTD01034  
 Misc : 5.0mL/MSVOA\_V/WATER  
 ALS Vial : 4 Sample Multiplier: 1

Instrument :  
 MSVOA\_V  
 ClientSampleId :  
 VSTD010234

## Manual IntegrationsAPPROVED

Reviewed By :Krupa Patel 06/15/2023  
 Supervised By :Mahesh Dadoda 06/15/2023

Quant Time: Jun 15 00:17:19 2023  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_V\Method\SFAMVLM061423WMA.M  
 Quant Title : VOC Analysis  
 QLast Update : Thu Jun 15 00:16:25 2023  
 Response via : Initial Calibration

| Compound                      | R.T.   | QIon | Response | Conc   | Units  | Dev(Min) |
|-------------------------------|--------|------|----------|--------|--------|----------|
| 44) trans-1,3-Dichloropropene | 7.590  | 75   | 26908    | 10.809 | ug/L   | 97       |
| 45) 1,1,2-Trichloroethane     | 7.777  | 97   | 19928    | 11.672 | ug/L   | 98       |
| 46) Tetrachloroethene         | 7.915  | 164  | 14394    | 11.004 | ug/L   | 96       |
| 48) 2-Hexanone                | 8.088  | 43   | 33222    | 17.166 | ug/L   | 96       |
| 49) Dibromochloromethane      | 8.185  | 129  | 21950    | 11.419 | ug/L   | 95       |
| 50) 1,2-Dibromoethane         | 8.291  | 107  | 20832    | 12.005 | ug/L # | 99       |
| 51) Chlorobenzene             | 8.822  | 112  | 48326    | 11.125 | ug/L   | 95       |
| 52) Ethylbenzene              | 8.953  | 91   | 72935    | 10.261 | ug/L   | 100      |
| 53) m,p-Xylene                | 9.079  | 106  | 26344    | 9.663  | ug/L   | 98       |
| 54) o-Xylene                  | 9.484  | 106  | 24962    | 9.363  | ug/L   | 96       |
| 55) Styrene                   | 9.503  | 104  | 42947    | 9.068  | ug/L   | 98       |
| 57) 1,1,2,2-Tetrachloroethane | 10.185 | 83   | 32303    | 11.483 | ug/L   | 93       |
| 59) Bromoform                 | 9.670  | 173  | 14406    | 9.672  | ug/L # | 98       |
| 60) Isopropylbenzene          | 9.873  | 105  | 69847    | 9.968  | ug/L   | 100      |
| 61) 1,2,3-Trichloropropane    | 10.217 | 75   | 25028    | 12.389 | ug/L   | 98       |
| 62) 1,3,5-Trimethylbenzene    | 10.484 | 105  | 54653    | 9.439  | ug/L   | 98       |
| 63) 1,2,4-Trimethylbenzene    | 10.860 | 105  | 49927    | 8.924  | ug/L   | 99       |
| 64) 1,3-Dichlorobenzene       | 11.124 | 146  | 37846    | 10.695 | ug/L   | 98       |
| 65) 1,4-Dichlorobenzene       | 11.217 | 146  | 42189    | 11.455 | ug/L   | 97       |
| 67) 1,2-Dichlorobenzene       | 11.587 | 146  | 38731    | 10.838 | ug/L   | 97       |
| 68) 1,2-Dibromo-3-chloropr... | 12.371 | 75   | 7065     | 11.421 | ug/L   | 96       |
| 69) 1,3,5-Trichlorobenzene    | 12.590 | 180  | 28830    | 10.567 | ug/L   | 97       |
| 70) 1,2,4-trichlorobenzene    | 13.207 | 180  | 23347    | 10.065 | ug/L   | 98       |
| 71) Naphthalene               | 13.448 | 128  | 55426    | 9.143  | ug/L   | 98       |
| 72) 1,2,3-Trichlorobenzene    | 13.686 | 180  | 25247    | 10.735 | ug/L   | 99       |

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

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