



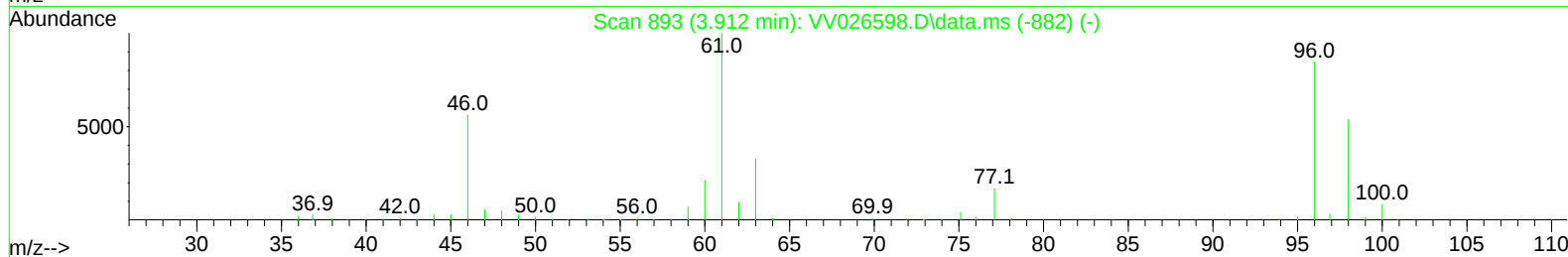
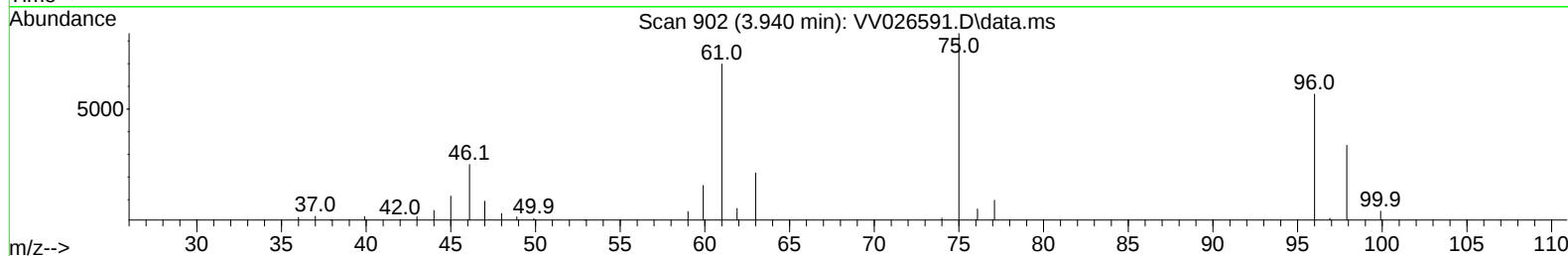
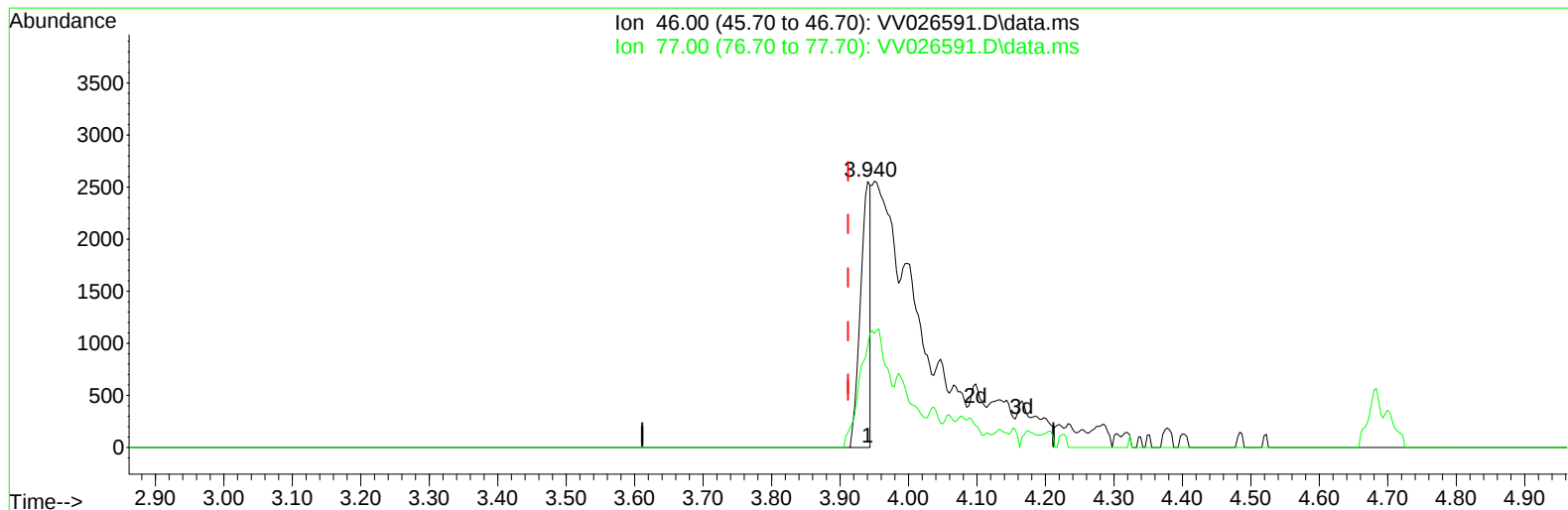
Data Path : Z:\voasrv\HPCHEM1\MSVOA\_V\Data\VV062922\  
Data File : VV026591.D  
Acq On : 29 Jun 2022 15:42  
Operator : SY/MD  
Sample : VSTD00525  
Misc : 5.0mL/MSVOA\_V/WATER  
ALS Vial : 3 Sample Multiplier: 1

Instrument :  
MSVOA\_V  
ClientSampleId :  
VSTD005225

## Manual IntegrationsAPPROVED

Reviewed By :Krupa Patel 07/01/2022  
Supervised By :Semsettin Yesilyurt 07/01/2022

Quant Time: Jul 11 04:10:51 2022  
Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_V\Method\SFAMVLM062922WMA.M  
Quant Title : VOC Analysis  
QLast Update : Fri Jul 01 00:19:36 2022  
Response via : Initial Calibration



TIC: VV026591.D\data.ms

## (21) 2-Butanone-d5 (S)

3.940min (+ 0.029) 1.67 ug/L

response 2608

| Ion   | Exp%   | Act%   |
|-------|--------|--------|
| 46.00 | 100.00 | 100.00 |
| 77.00 | 27.30  | 65.53# |
| 0.00  | 0.00   | 0.00   |
| 0.00  | 0.00   | 0.00   |

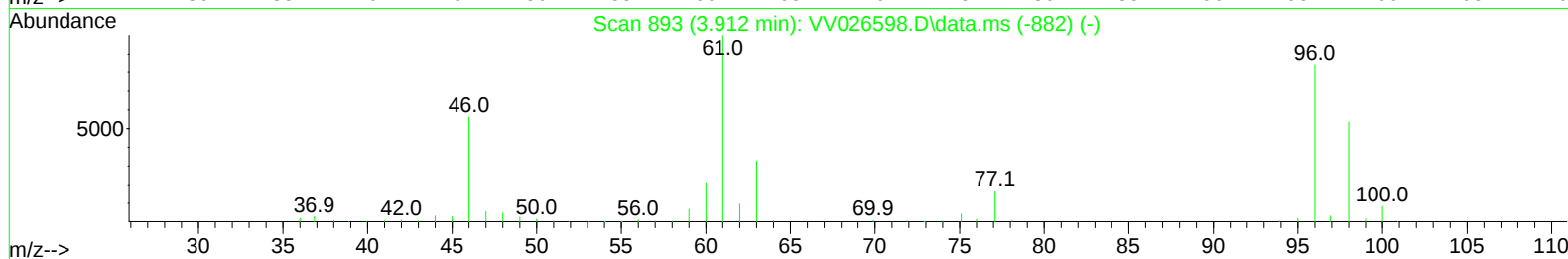
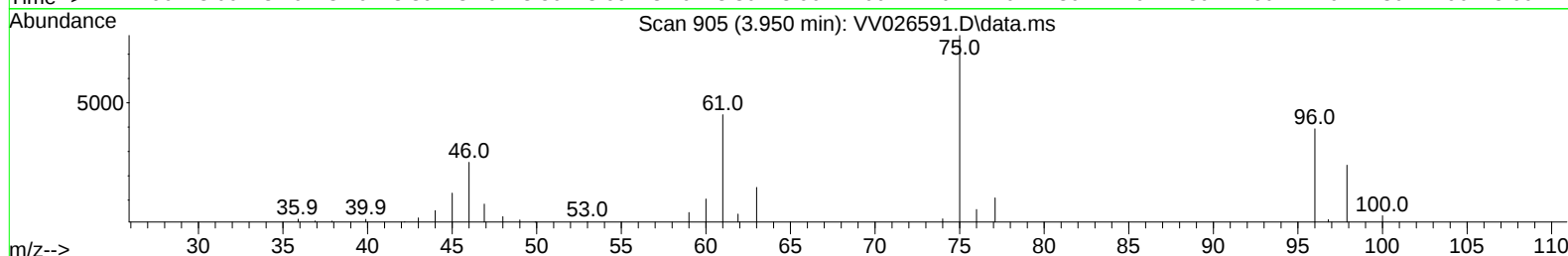
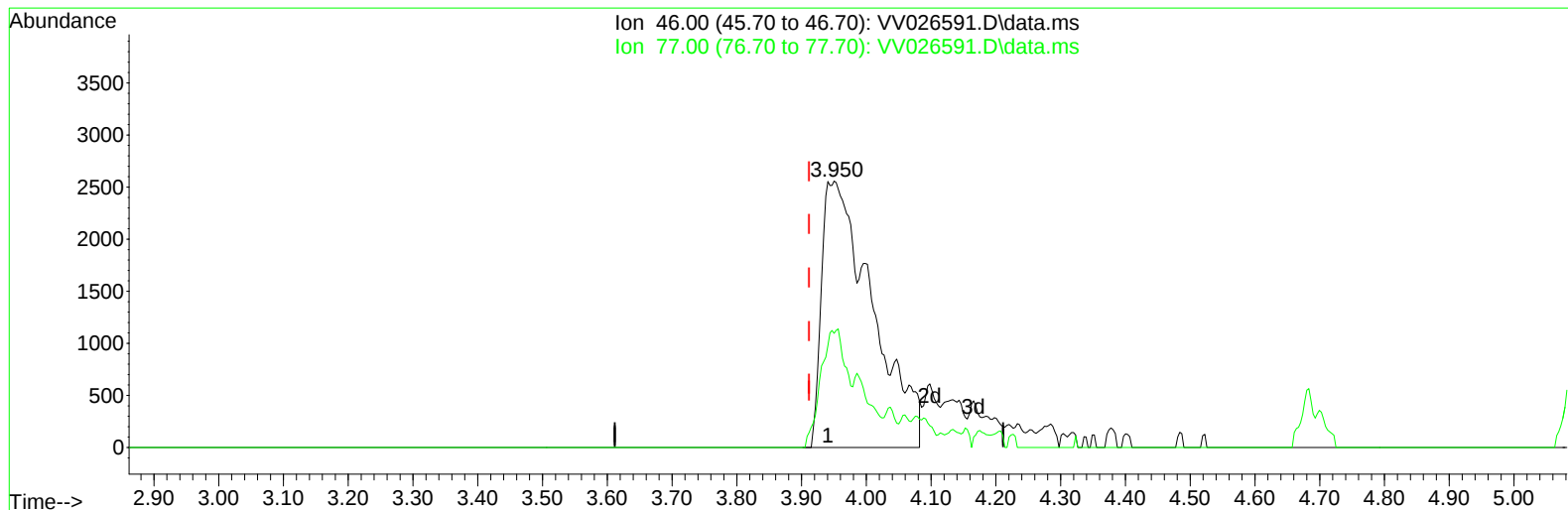
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Manual IntegrationsAPPROVED

Quant Time: Jun 30 03:08:00 2022  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_V\Method\SFAMVLM062922WMA.M  
 Quant Title : VOC Analysis  
 QLast Update : Thu Jun 30 03:07:17 2022  
 Response via : Initial Calibration

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 Supervised By :Semsettin Yesilyurt 07/01/2022



TIC: VV026591.D\data.ms

**(21) 2-Butanone-d5 (S)**

**3.950min (+ 0.039) 6.77 ug/L m**

**response 13816**

| Ion   | Exp%   | Act%   |
|-------|--------|--------|
| 46.00 | 100.00 | 100.00 |
| 77.00 | 27.30  | 12.37# |
| 0.00  | 0.00   | 0.00   |
| 0.00  | 0.00   | 0.00   |

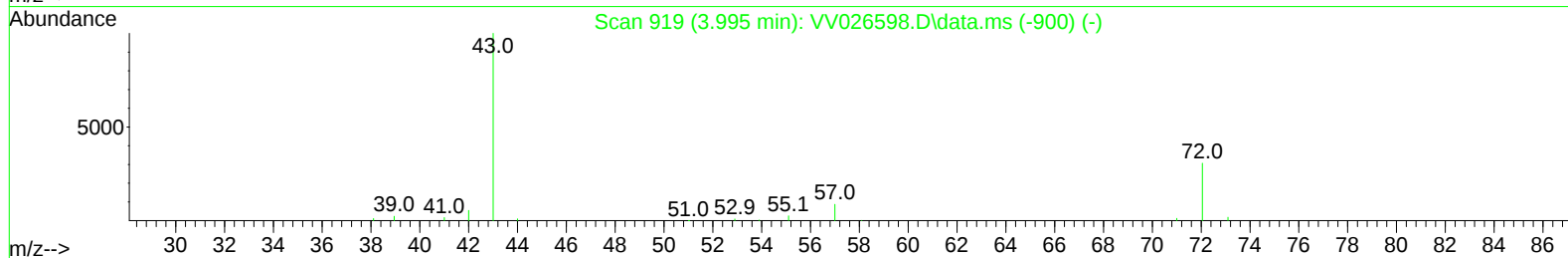
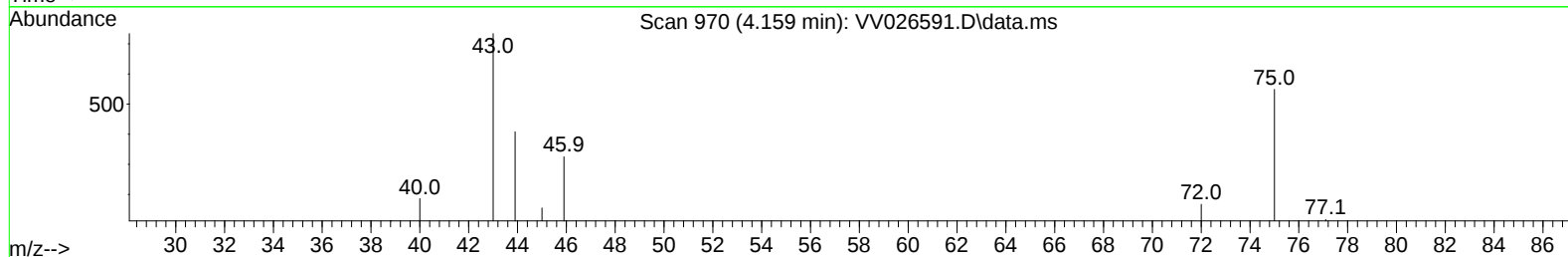
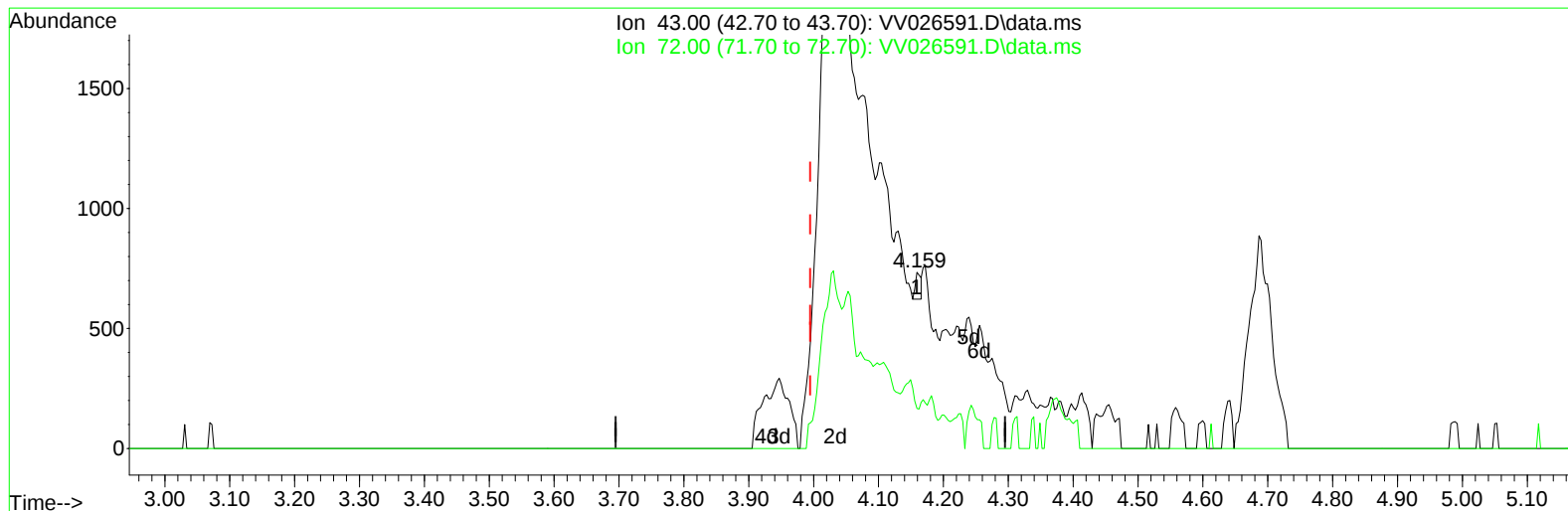
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Data File : VV026591.D  
Acq On : 29 Jun 2022 15:42  
Operator : SY/MD  
Sample : VSTD00525  
Misc : 5.0mL/MSVOA\_V/WATER  
ALS Vial : 3 Sample Multiplier: 1

Instrument :  
MSVOA\_V  
ClientSampleId :  
VSTD005225

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Quant Title : VOC Analysis  
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Response via : Initial Calibration



TIC: VV026591.D\data.ms

## (22) 2-Butanone (T)

4.159min (+ 0.164) 0.04 ug/L

response 67

| Ion   | Exp%   | Act%   |
|-------|--------|--------|
| 43.00 | 100.00 | 100.00 |
| 72.00 | 28.50  | 38.81  |
| 0.00  | 0.00   | 0.00   |
| 0.00  | 0.00   | 0.00   |

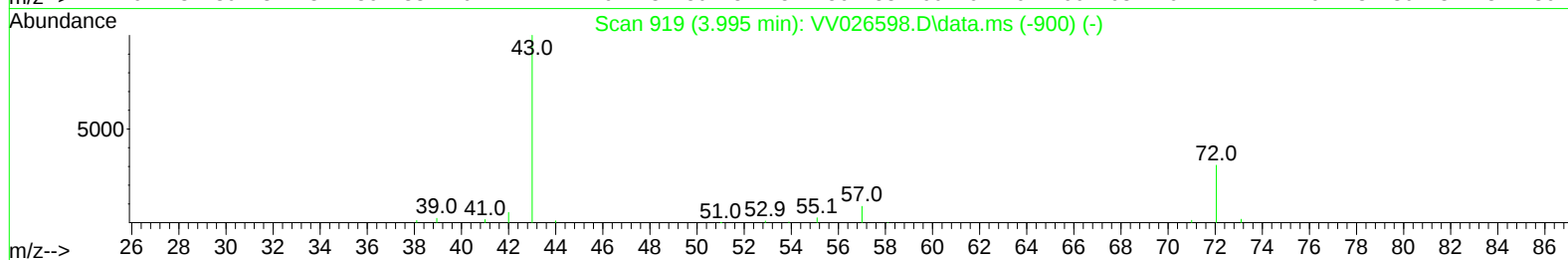
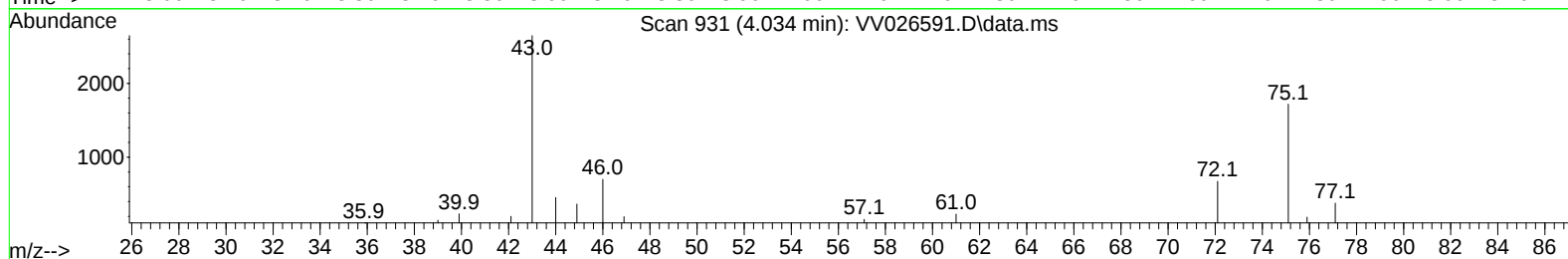
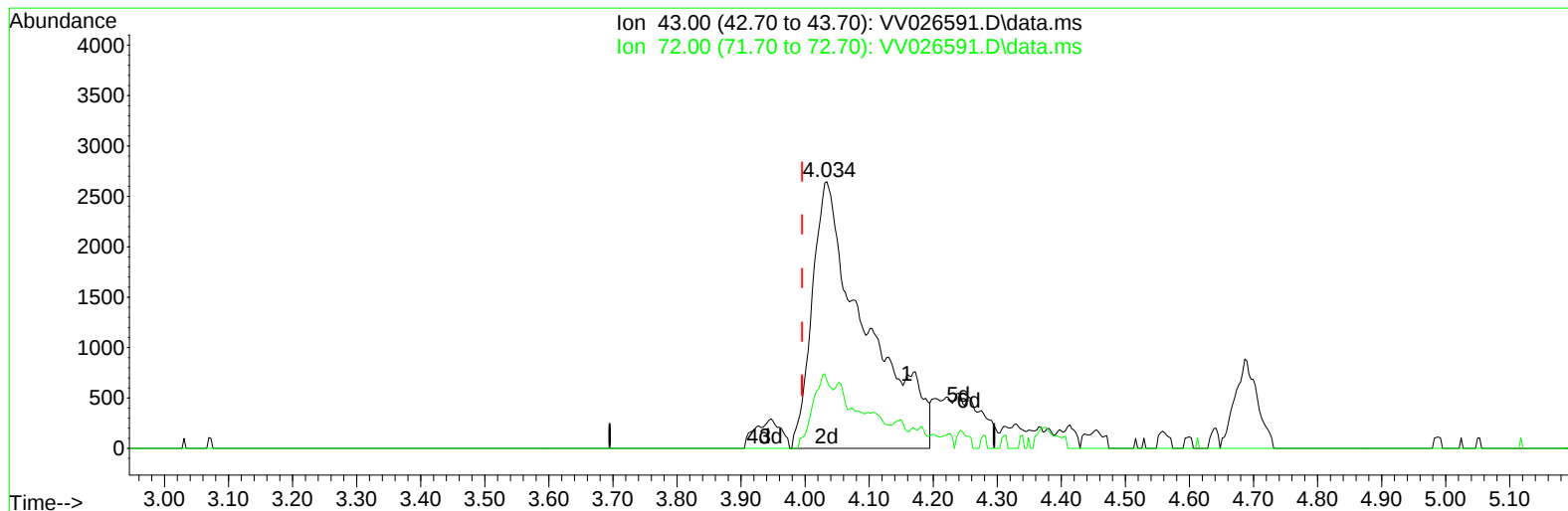
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Data File : VV026591.D  
Acq On : 29 Jun 2022 15:42  
Operator : SY/MD  
Sample : VSTD00525  
Misc : 5.0mL/MSVOA\_V/WATER  
ALS Vial : 3 Sample Multiplier: 1

Instrument :  
MSVOA\_V  
ClientSampleId :  
VSTD005225

## Manual IntegrationsAPPROVED

Reviewed By :Krupa Patel 07/01/2022  
Supervised By :Semsettin Yesilyurt 07/01/2022

Quant Time: Jun 30 03:08:00 2022  
Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_V\Method\SFAMVLM062922WMA.M  
Quant Title : VOC Analysis  
QLast Update : Thu Jun 30 03:07:17 2022  
Response via : Initial Calibration



TIC: VV026591.D\data.ms

## (22) 2-Butanone (T)

4.034min (+ 0.039) 8.06 ug/L m

response 15253

| Ion   | Exp%   | Act%   |
|-------|--------|--------|
| 43.00 | 100.00 | 100.00 |
| 72.00 | 28.50  | 0.17#  |
| 0.00  | 0.00   | 0.00   |
| 0.00  | 0.00   | 0.00   |

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_V\Data\VW062922\  
 Data File : VW026591.D  
 Acq On : 29 Jun 2022 15:42  
 Operator : SY/MD  
 Sample : VSTD00525  
 Misc : 5.0mL/MSVOA\_V/WATER  
 ALS Vial : 3 Sample Multiplier: 1

Instrument :  
 MSVOA\_V  
 ClientSampleId :  
 VSTD005225

## Manual IntegrationsAPPROVED

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Quant Time: Jun 30 03:08:00 2022  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_V\Method\SFAMVLM062922WMA.M  
 Quant Title : VOC Analysis  
 QLast Update : Thu Jun 30 03:07:17 2022  
 Response via : Initial Calibration

| Compound                      | R.T.   | QIon | Response | Conc   | Units  | Dev(Min) |
|-------------------------------|--------|------|----------|--------|--------|----------|
| -----                         |        |      |          |        |        |          |
| Internal Standards            |        |      |          |        |        |          |
| 1) 1,4-Difluorobenzene        | 5.625  | 114  | 383322   | 50.000 | ug/L   | 0.00     |
| 28) Chlorobenzene-d5          | 8.853  | 117  | 373830   | 50.000 | ug/L   | 0.00     |
| 58) 1,4-Dichlorobenzene-d4    | 11.249 | 152  | 184539   | 50.000 | ug/L   | 0.00     |
| System Monitoring Compounds   |        |      |          |        |        |          |
| 4) Vinyl Chloride-d3          | 1.320  | 65   | 15843    | 3.421  | ug/L   | 0.00     |
| 7) Chloroethane-d5            | 1.584  | 69   | 13945    | 3.440  | ug/L   | 0.00     |
| 11) 1,1-Dichloroethene-d2     | 2.124  | 63   | 30639    | 3.730  | ug/L   | 0.00     |
| 21) 2-Butanone-d5             | 3.950  | 46   | 13816m   | 6.768  | ug/L   | 0.04     |
| 24) Chloroform-d              | 4.365  | 84   | 30044    | 4.400  | ug/L   | 0.00     |
| 26) 1,2-Dichloroethane-d4     | 5.050  | 65   | 17088    | 4.211  | ug/L   | 0.00     |
| 32) Benzene-d6                | 5.063  | 84   | 53189    | 4.134  | ug/L   | 0.00     |
| 36) 1,2-Dichloropropane-d6    | 6.079  | 67   | 17674    | 4.467  | ug/L   | 0.00     |
| 41) Toluene-d8                | 7.323  | 98   | 44231    | 3.747  | ug/L   | 0.00     |
| 43) trans-1,3-Dichloroprop... | 7.632  | 79   | 5931     | 3.370  | ug/L   | 0.00     |
| 47) 2-Hexanone-d5             | 8.104  | 63   | 8807     | 6.064  | ug/L   | 0.01     |
| 56) 1,1,2,2-Tetrachloroeth... | 10.217 | 84   | 25643    | 4.750  | ug/L   | 0.00     |
| 66) 1,2-Dichlorobenzene-d4    | 11.625 | 152  | 18385    | 4.572  | ug/L   | 0.00     |
| Target Compounds              |        |      |          |        |        |          |
|                               |        |      |          |        |        | Qvalue   |
| 2) Dichlorodifluoromethane    | 1.146  | 85   | 14569    | 3.877  | ug/L   | 95       |
| 3) Chloromethane              | 1.256  | 50   | 18069    | 3.930  | ug/L   | 99       |
| 5) Vinyl chloride             | 1.326  | 62   | 18932    | 4.045  | ug/L # | 74       |
| 6) Bromomethane               | 1.539  | 94   | 12903    | 4.550  | ug/L   | 95       |
| 8) Chloroethane               | 1.600  | 64   | 14111    | 4.140  | ug/L   | 87       |
| 9) Trichlorofluoromethane     | 1.767  | 101  | 27298    | 4.090  | ug/L   | 99       |
| 10) 1,1,2-Trichloro-1,2,2-... | 2.130  | 101  | 16030    | 4.474  | ug/L   | 99       |
| 12) 1,1-Dichloroethene        | 2.130  | 96   | 15814    | 4.487  | ug/L   | 92       |
| 13) Acetone                   | 2.207  | 43   | 11022    | 7.913  | ug/L   | 65       |
| 14) Carbon disulfide          | 2.307  | 76   | 42560    | 4.795  | ug/L   | 99       |
| 15) Methyl Acetate            | 2.458  | 43   | 11022    | 3.650  | ug/L   | 99       |
| 16) Methylene chloride        | 2.523  | 84   | 18584    | 5.268  | ug/L   | 99       |
| 17) trans-1,2-Dichloroethene  | 2.777  | 96   | 15581    | 4.985  | ug/L   | 98       |
| 18) Methyl tert-butyl Ether   | 2.789  | 73   | 39927    | 4.416  | ug/L   | 97       |
| 19) 1,1-Dichloroethane        | 3.207  | 63   | 28357    | 4.887  | ug/L   | 97       |
| 20) cis-1,2-Dichloroethene    | 3.934  | 96   | 15868    | 4.711  | ug/L   | 91       |
| 22) 2-Butanone                | 4.034  | 43   | 15253m   | 8.063  | ug/L   |          |
| 23) Bromochloromethane        | 4.265  | 128  | 9497     | 5.335  | ug/L   | 94       |
| 25) Chloroform                | 4.394  | 83   | 30265    | 4.910  | ug/L   | 95       |
| 27) 1,2-Dichloroethane        | 5.146  | 62   | 19614    | 4.294  | ug/L   | 98       |
| 29) Cyclohexane               | 4.686  | 56   | 17946    | 3.995  | ug/L   | 96       |
| 30) 1,1,1-Trichloroethane     | 4.619  | 97   | 25244    | 4.943  | ug/L   | 98       |
| 31) Carbon tetrachloride      | 4.838  | 117  | 20766    | 4.839  | ug/L   | 99       |
| 33) Benzene                   | 5.114  | 78   | 58690    | 4.640  | ug/L   | 100      |
| 34) Trichloroethene           | 5.924  | 95   | 16045    | 4.900  | ug/L   | 97       |
| 35) Methylcyclohexane         | 6.137  | 83   | 22015    | 4.435  | ug/L   | 98       |
| 37) 1,2-Dichloropropane       | 6.185  | 63   | 15719    | 4.962  | ug/L # | 93       |
| 38) Bromodichloromethane      | 6.516  | 83   | 19973    | 4.659  | ug/L   | 99       |
| 39) cis-1,3-Dichloropropene   | 7.040  | 75   | 16562    | 3.636  | ug/L   | 95       |
| 40) 4-Methyl-2-pentanone      | 7.236  | 43   | 27965    | 7.636  | ug/L   | 94       |
| 42) Toluene                   | 7.394  | 91   | 58198    | 4.287  | ug/L   | 98       |
| 44) trans-1,3-Dichloropropene | 7.661  | 75   | 14944    | 3.434  | ug/L   | 99       |

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 Quant Title : VOC Analysis  
 QLast Update : Thu Jun 30 03:07:17 2022  
 Response via : Initial Calibration

| Compound                      | R.T.   | QIon | Response | Conc  | Units | Dev(Min) |
|-------------------------------|--------|------|----------|-------|-------|----------|
| 45) 1,1,2-Trichloroethane     | 7.844  | 97   | 16236    | 4.987 | ug/L  | 98       |
| 46) Tetrachloroethene         | 7.982  | 164  | 12971    | 5.266 | ug/L  | 93       |
| 48) 2-Hexanone                | 8.149  | 43   | 19761    | 6.973 | ug/L  | 99       |
| 49) Dibromochloromethane      | 8.249  | 129  | 13450    | 4.182 | ug/L  | 99       |
| 50) 1,2-Dibromoethane         | 8.358  | 107  | 15638    | 4.709 | ug/L  | 97       |
| 51) Chlorobenzene             | 8.882  | 112  | 44022    | 5.046 | ug/L  | 100      |
| 52) Ethylbenzene              | 9.014  | 91   | 56267    | 4.025 | ug/L  | 100      |
| 53) m,p-Xylene                | 9.140  | 106  | 20713    | 3.807 | ug/L  | 97       |
| 54) o-Xylene                  | 9.545  | 106  | 20626    | 3.868 | ug/L  | 97       |
| 55) Styrene                   | 9.564  | 104  | 33910    | 3.644 | ug/L  | 98       |
| 57) 1,1,2,2-Tetrachloroethane | 10.242 | 83   | 24916    | 5.075 | ug/L  | 98       |
| 59) Bromoform                 | 9.734  | 173  | 7291     | 4.109 | ug/L  | 96       |
| 60) Isopropylbenzene          | 9.931  | 105  | 51900    | 4.194 | ug/L  | 99       |
| 61) 1,2,3-Trichloropropane    | 10.275 | 75   | 19062    | 5.239 | ug/L  | 98       |
| 62) 1,3,5-Trimethylbenzene    | 10.541 | 105  | 39281    | 5.527 | ug/L  | 99       |
| 63) 1,2,4-Trimethylbenzene    | 10.914 | 105  | 37906    | 3.820 | ug/L  | 98       |
| 64) 1,3-Dichlorobenzene       | 11.181 | 146  | 28724    | 4.862 | ug/L  | 98       |
| 65) 1,4-Dichlorobenzene       | 11.271 | 146  | 30570    | 4.946 | ug/L  | 98       |
| 67) 1,2-Dichlorobenzene       | 11.644 | 146  | 30208    | 4.945 | ug/L  | 99       |
| 68) 1,2-Dibromo-3-chloropr... | 12.429 | 75   | 3889     | 4.689 | ug/L  | 93       |
| 69) 1,3,5-Trichlorobenzene    | 12.644 | 180  | 19530    | 4.780 | ug/L  | 98       |
| 70) 1,2,4-trichlorobenzene    | 13.262 | 180  | 14926    | 4.302 | ug/L  | 94       |
| 71) Naphthalene               | 13.503 | 128  | 39965    | 3.902 | ug/L  | 99       |
| 72) 1,2,3-Trichlorobenzene    | 13.744 | 180  | 15761    | 4.457 | ug/L  | 96       |

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