

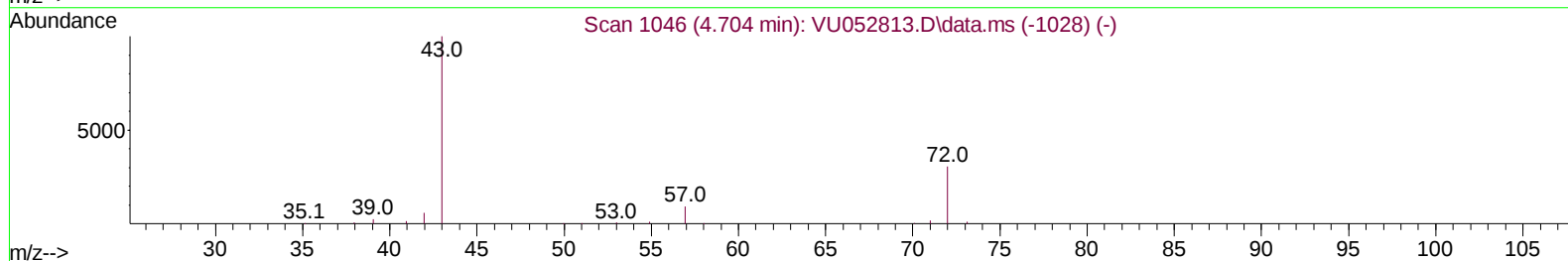
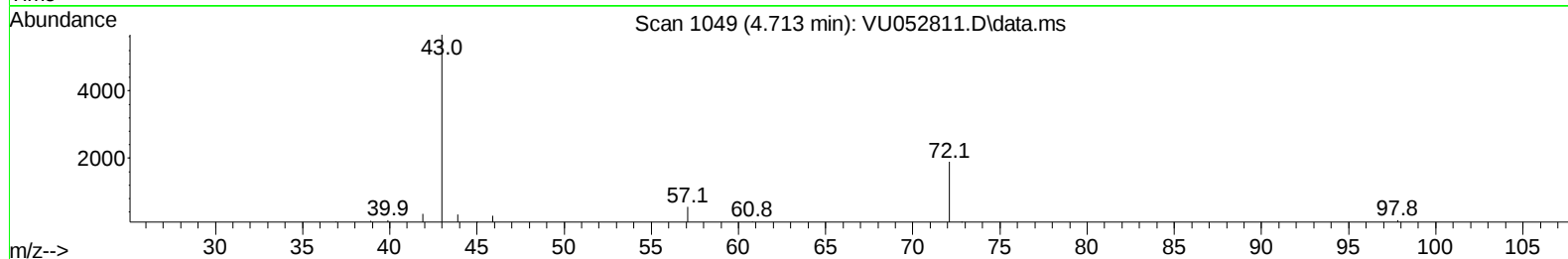
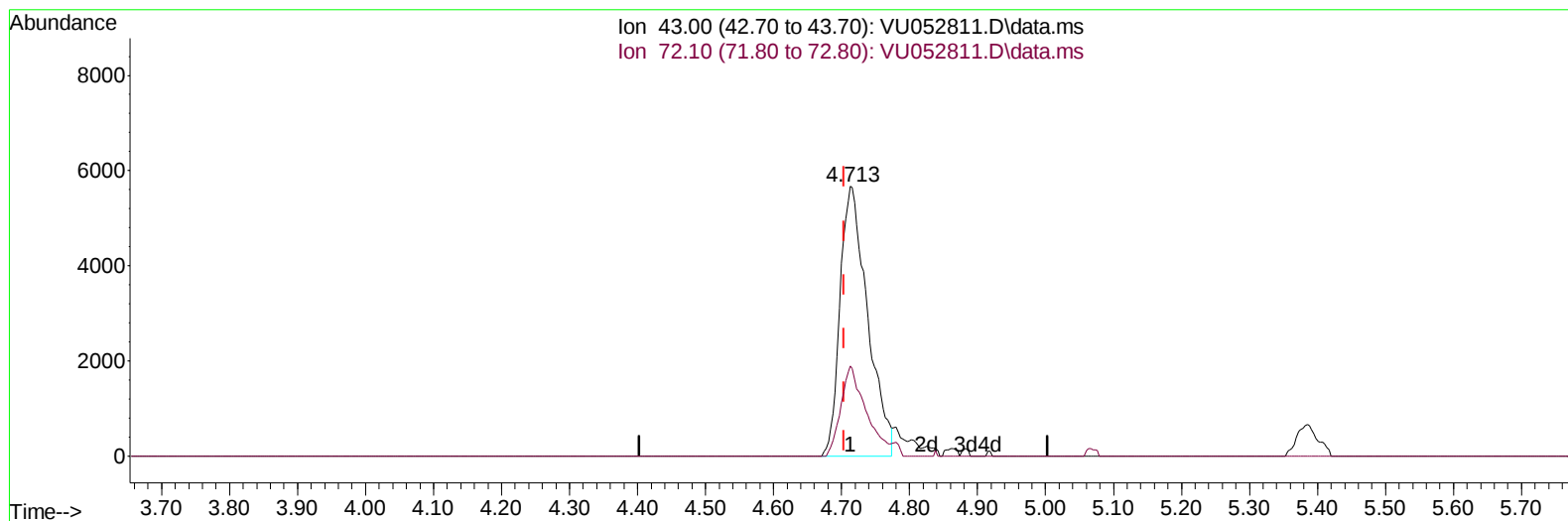
Data Path : Z:\voasrv\HPCHEM1\MSVOA\_U\Data\VU012623\  
 Data File : VU052811.D  
 Acq On : 26 Jan 2023 11:27  
 Operator : JC/MD  
 Sample : VSTD00567  
 Misc : 5.0mL/MSVOA\_U/WATER  
 ALS Vial : 3 Sample Multiplier: 1

Instrument :  
 MSVOA\_U  
 ClientSampleId :  
 VSTD005067

Manual IntegrationsAPPROVED

Quant Time: Jan 27 04:12:45 2023  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_U\Method\SFAMULM012623WMA.M  
 Quant Title : VOC Analysis  
 QLast Update : Fri Jan 27 04:12:04 2023  
 Response via : Initial Calibration

Reviewed By :Krupa Patel 01/27/2023  
 Supervised By :Mahesh Dadoda 01/27/2023



TIC: VU052811.D\data.ms

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

**4.713min (+ 0.009) 7.38 ug/L**

**response 15935**

| Ion   | Exp%   | Act%   |
|-------|--------|--------|
| 43.00 | 100.00 | 100.00 |
| 72.10 | 31.00  | 30.45  |
| 0.00  | 0.00   | 0.00   |
| 0.00  | 0.00   | 0.00   |

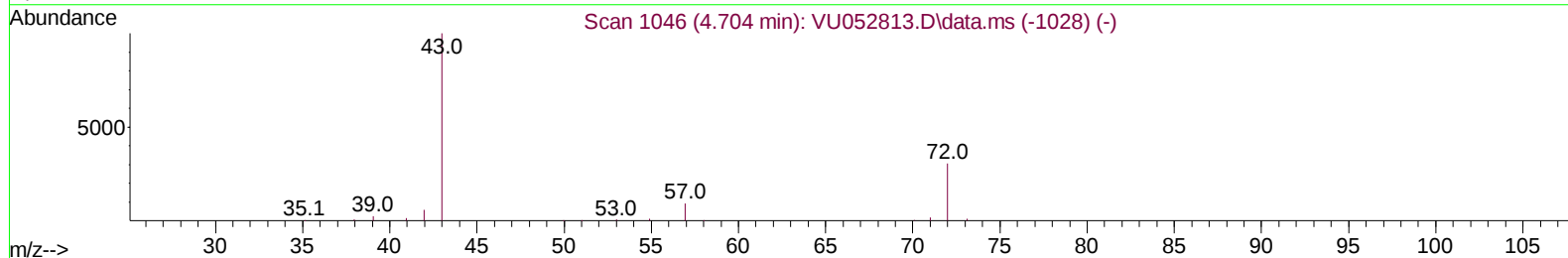
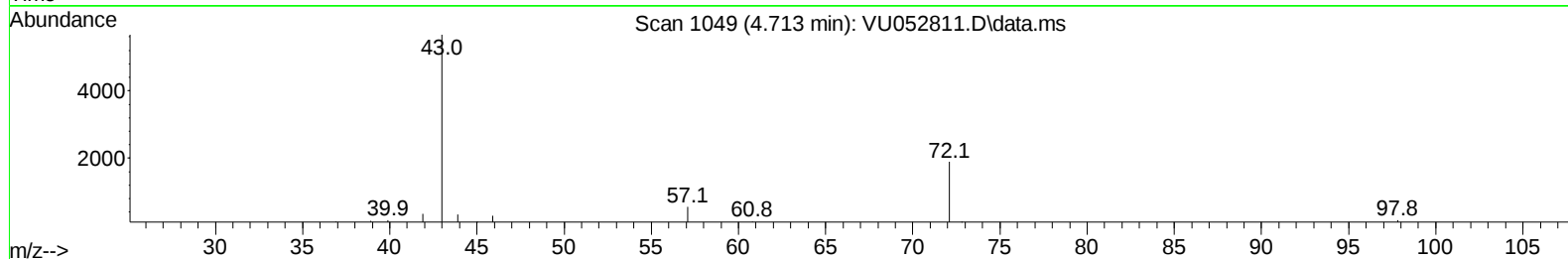
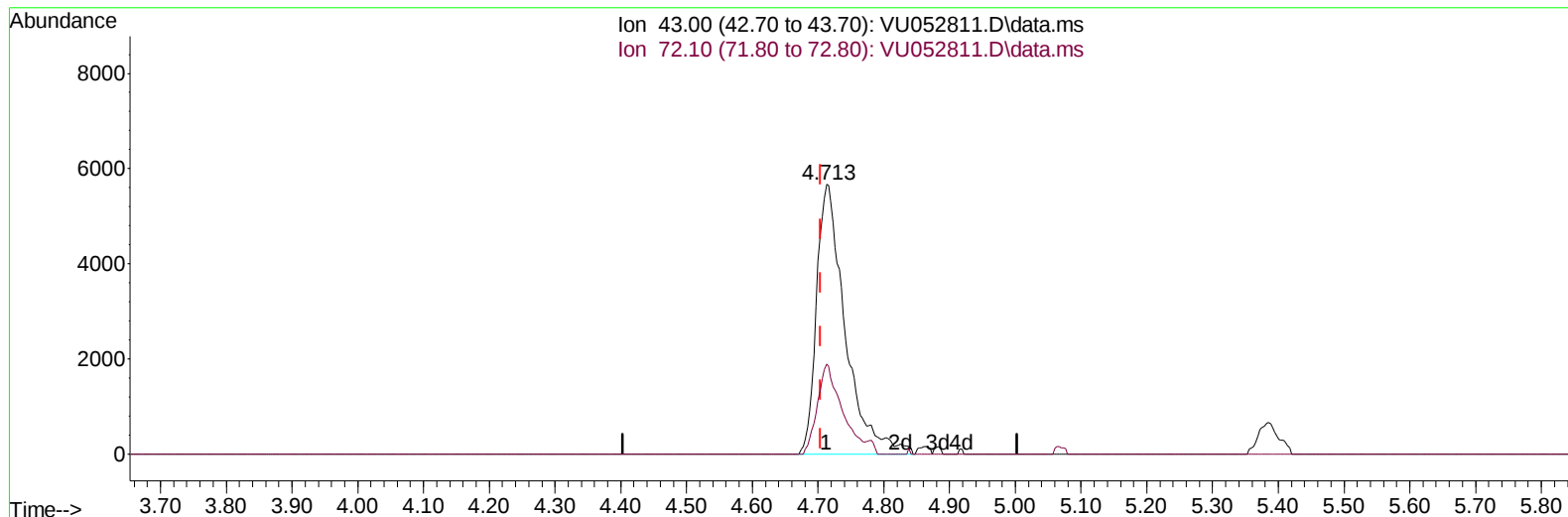
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Manual IntegrationsAPPROVED

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 Quant Title : VOC Analysis  
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 Supervised By :Mahesh Dadoda 01/27/2023



TIC: VU052811.D\data.ms

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

**4.713min (+ 0.009) 7.92 ug/L m**

**response 17100**

| Ion   | Exp%   | Act%   |
|-------|--------|--------|
| 43.00 | 100.00 | 100.00 |
| 72.10 | 31.00  | 28.38  |
| 0.00  | 0.00   | 0.00   |
| 0.00  | 0.00   | 0.00   |

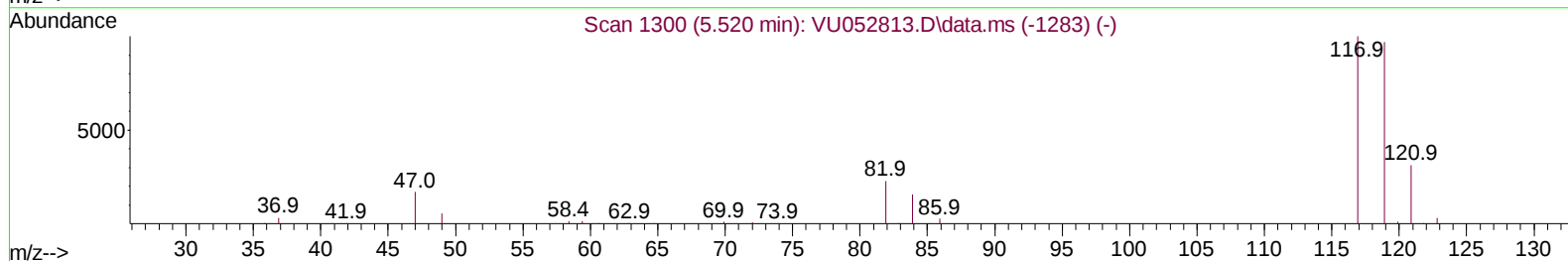
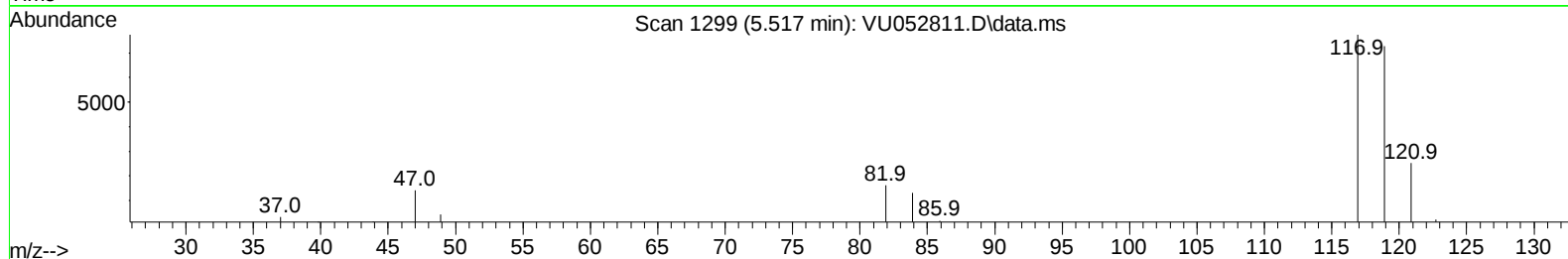
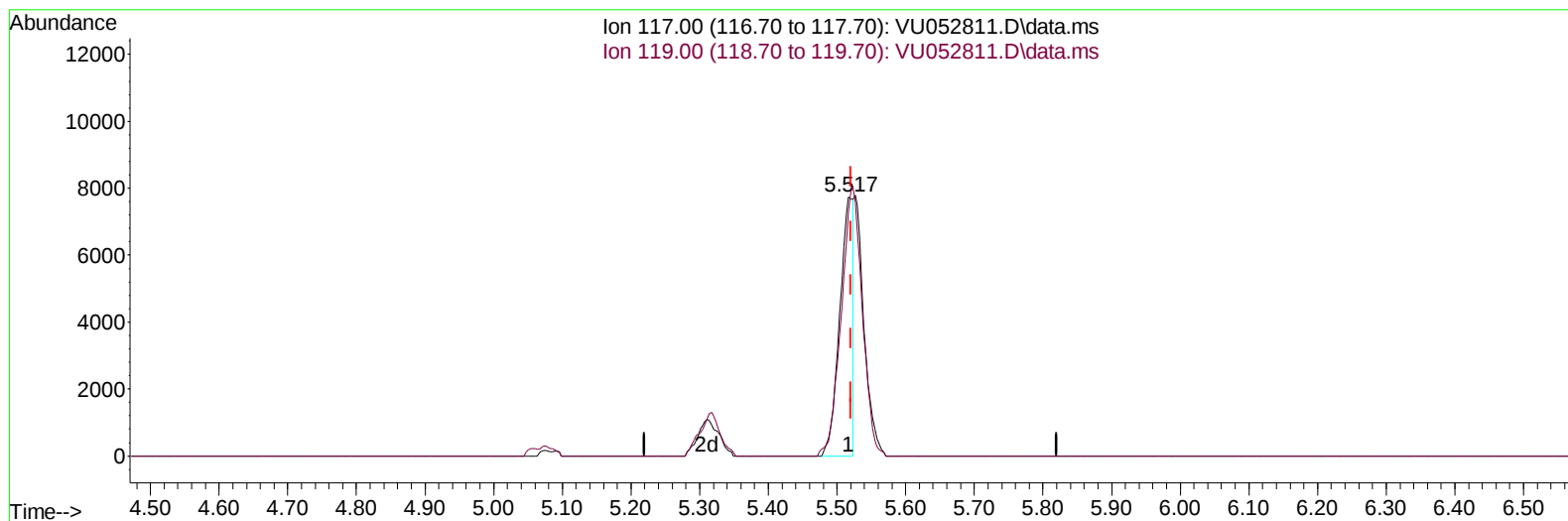
Data Path : Z:\voasrv\HPCHEM1\MSVOA\_U\Data\VU012623\  
 Data File : VU052811.D  
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Instrument :  
 MSVOA\_U  
 ClientSampleId :  
 VSTD005067

Manual IntegrationsAPPROVED

Quant Time: Jan 27 04:12:45 2023  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_U\Method\SFAMULM012623WMA.M  
 Quant Title : VOC Analysis  
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Reviewed By :Krupa Patel 01/27/2023  
 Supervised By :Mahesh Dadoda 01/27/2023



TIC: VU052811.D\data.ms

**(31) Carbon tetrachloride (T)**

5.517min (-0.004) 3.59 ug/L

response 10544

| Ion    | Exp%   | Act%    |
|--------|--------|---------|
| 117.00 | 100.00 | 100.00  |
| 119.00 | 95.30  | 161.68# |
| 0.00   | 0.00   | 0.00    |
| 0.00   | 0.00   | 0.00    |

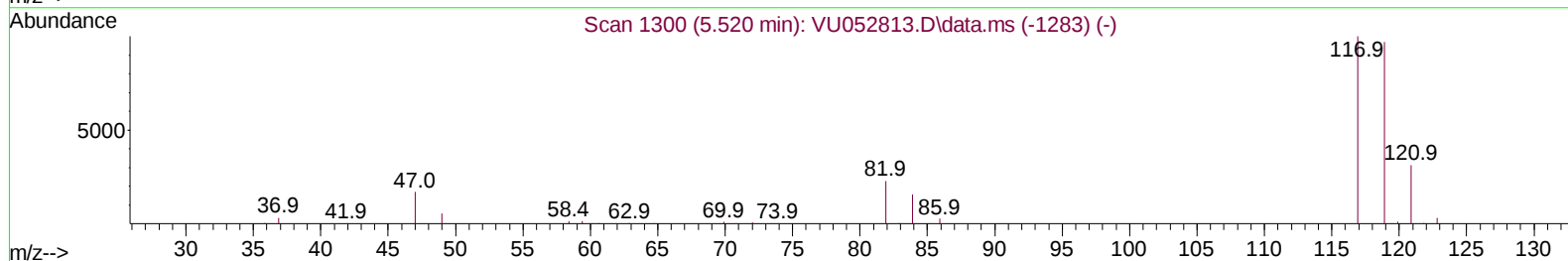
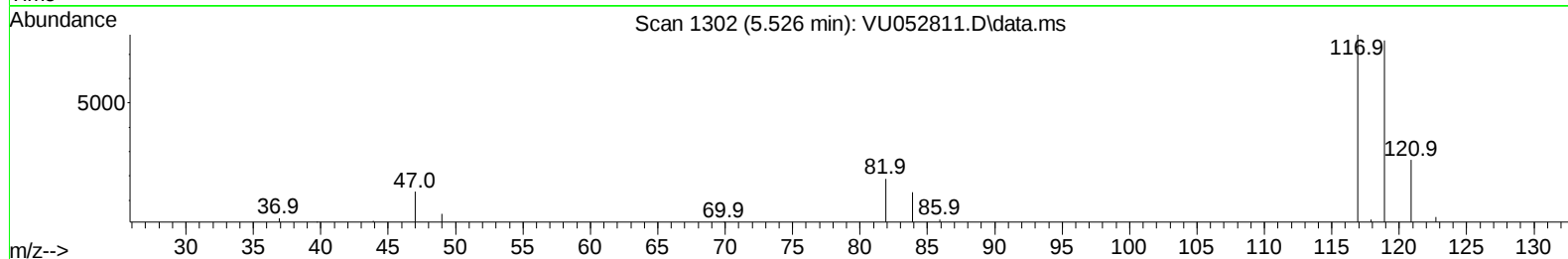
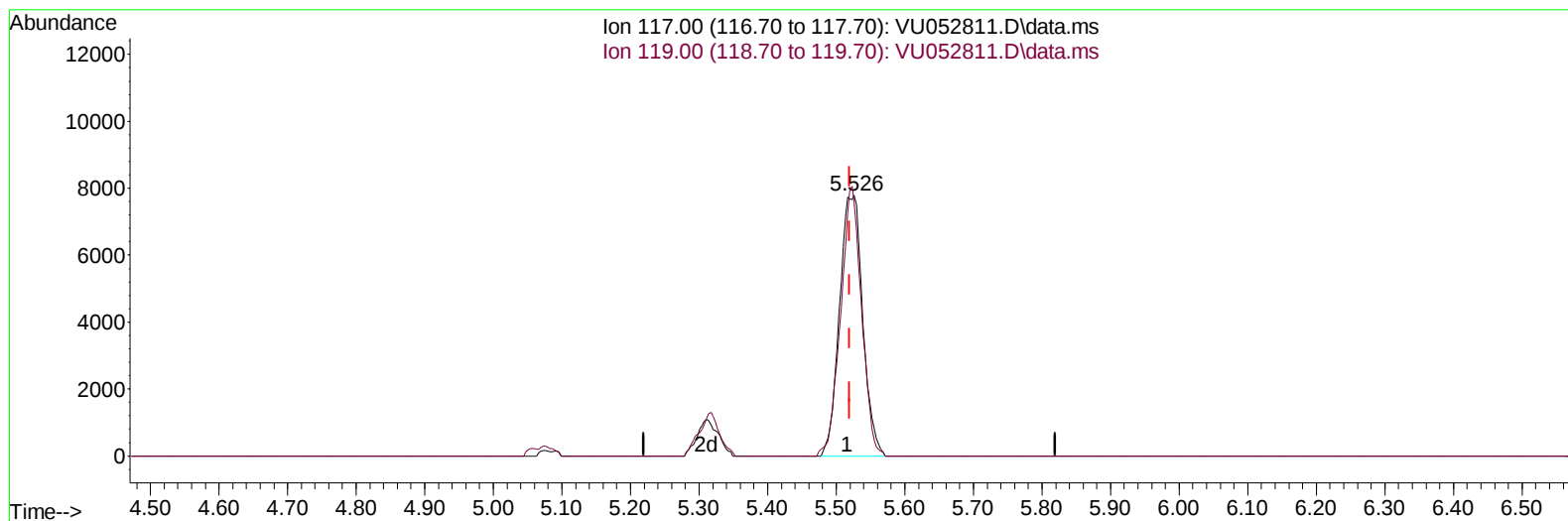
Data Path : Z:\voasrv\HPCHEM1\MSVOA\_U\Data\VU012623\  
 Data File : VU052811.D  
 Acq On : 26 Jan 2023 11:27  
 Operator : JC/MD  
 Sample : VSTD00567  
 Misc : 5.0mL/MSVOA\_U/WATER  
 ALS Vial : 3 Sample Multiplier: 1

Instrument :  
 MSVOA\_U  
 ClientSampleId :  
 VSTD005067

Manual IntegrationsAPPROVED

Quant Time: Jan 27 04:12:45 2023  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_U\Method\SFAMULM012623WMA.M  
 Quant Title : VOC Analysis  
 QLast Update : Fri Jan 27 04:12:04 2023  
 Response via : Initial Calibration

Reviewed By :Krupa Patel 01/27/2023  
 Supervised By :Mahesh Dadoda 01/27/2023



TIC: VU052811.D\data.ms

**(31) Carbon tetrachloride (T)**

**5.526min (+ 0.006) 6.26 ug/L m**

**response 18369**

| Ion    | Exp%   | Act%   |
|--------|--------|--------|
| 117.00 | 100.00 | 100.00 |
| 119.00 | 95.30  | 92.81  |
| 0.00   | 0.00   | 0.00   |
| 0.00   | 0.00   | 0.00   |

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_U\Data\VU012623\  
 Data File : VU052811.D  
 Acq On : 26 Jan 2023 11:27  
 Operator : JC/MD  
 Sample : VSTD00567  
 Misc : 5.0mL/MSVOA\_U/WATER  
 ALS Vial : 3 Sample Multiplier: 1

Instrument :  
 MSVOA\_U  
 ClientSampleId :  
 VSTD005067

Manual IntegrationsAPPROVED

Quant Time: Jan 27 04:12:45 2023  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_U\Method\SFAMULM012623WMA.M  
 Quant Title : VOC Analysis  
 QLast Update : Fri Jan 27 04:12:04 2023  
 Response via : Initial Calibration

Reviewed By :Krupa Patel 01/27/2023  
 Supervised By :Mahesh Dadoda 01/27/2023

| Compound                      | R.T.   | QIon | Response | Conc   | Units  | Dev(Min) |
|-------------------------------|--------|------|----------|--------|--------|----------|
| -----                         |        |      |          |        |        |          |
| Internal Standards            |        |      |          |        |        |          |
| 1) 1,4-Difluorobenzene        | 6.247  | 114  | 263957   | 50.000 | ug/L   | 0.00     |
| 28) Chlorobenzene-d5          | 9.414  | 117  | 258281   | 50.000 | ug/L   | 0.00     |
| 58) 1,4-Dichlorobenzene-d4    | 11.809 | 152  | 133765   | 50.000 | ug/L   | 0.00     |
| System Monitoring Compounds   |        |      |          |        |        |          |
| 4) Vinyl Chloride-d3          | 1.600  | 65   | 9814     | 3.483  | ug/L   | 0.00     |
| 7) Chloroethane-d5            | 1.916  | 69   | 7796     | 3.507  | ug/L   | 0.00     |
| 11) 1,1-Dichloroethene-d2     | 2.571  | 63   | 19661    | 4.105  | ug/L   | 0.00     |
| 21) 2-Butanone-d5             | 4.636  | 46   | 11493    | 6.493  | ug/L   | 0.00     |
| 24) Chloroform-d              | 5.060  | 84   | 20652    | 4.443  | ug/L   | 0.00     |
| 26) 1,2-Dichloroethane-d4     | 5.700  | 65   | 13111    | 4.318  | ug/L   | 0.00     |
| 32) Benzene-d6                | 5.726  | 84   | 37725    | 4.246  | ug/L   | 0.00     |
| 36) 1,2-Dichloropropane-d6    | 6.687  | 67   | 10976    | 3.617  | ug/L   | 0.00     |
| 41) Toluene-d8                | 7.896  | 98   | 32834    | 4.307  | ug/L   | 0.00     |
| 43) trans-1,3-Dichloroprop... | 8.176  | 79   | 4958     | 3.672  | ug/L   | 0.00     |
| 47) 2-Hexanone-d5             | 8.636  | 63   | 6068     | 5.671  | ug/L   | 0.00     |
| 56) 1,1,2,2-Tetrachloroeth... | 10.754 | 84   | 16860    | 4.142  | ug/L   | 0.00     |
| 66) 1,2-Dichlorobenzene-d4    | 12.188 | 152  | 13190    | 5.008  | ug/L   | 0.00     |
| Target Compounds              |        |      |          |        |        |          |
|                               |        |      |          |        | Qvalue |          |
| 2) Dichlorodifluoromethane    | 1.385  | 85   | 14475    | 6.067  | ug/L   | 99       |
| 3) Chloromethane              | 1.520  | 50   | 12161    | 4.018  | ug/L   | 97       |
| 5) Vinyl chloride             | 1.604  | 62   | 13061    | 4.522  | ug/L   | 96       |
| 6) Bromomethane               | 1.858  | 94   | 8049     | 5.577  | ug/L   | 100      |
| 8) Chloroethane               | 1.935  | 64   | 8329     | 4.491  | ug/L   | 88       |
| 9) Trichlorofluoromethane     | 2.137  | 101  | 22048    | 6.269  | ug/L   | 96       |
| 10) 1,1,2-Trichloro-1,2,2-... | 2.581  | 101  | 12685    | 6.086  | ug/L   | 98       |
| 12) 1,1-Dichloroethene        | 2.578  | 96   | 10823    | 5.614  | ug/L   | 96       |
| 13) Acetone                   | 2.639  | 43   | 19560    | 10.477 | ug/L   | 100      |
| 14) Carbon disulfide          | 2.793  | 76   | 35536    | 6.034  | ug/L   | 97       |
| 15) Methyl Acetate            | 2.948  | 43   | 11396    | 4.000  | ug/L   | 97       |
| 16) Methylene chloride        | 3.047  | 84   | 14192    | 5.637  | ug/L   | 96       |
| 17) trans-1,2-Dichloroethene  | 3.350  | 96   | 12115    | 5.984  | ug/L   | 95       |
| 18) Methyl tert-butyl Ether   | 3.359  | 73   | 33364    | 5.176  | ug/L   | 98       |
| 19) 1,1-Dichloroethane        | 3.867  | 63   | 20908    | 4.693  | ug/L   | 97       |
| 20) cis-1,2-Dichloroethene    | 4.661  | 96   | 12192    | 5.421  | ug/L   | 100      |
| 22) 2-Butanone                | 4.713  | 43   | 17100m   | 7.918  | ug/L   |          |
| 23) Bromochloromethane        | 4.973  | 128  | 7377     | 6.331  | ug/L # | 93       |
| 25) Chloroform                | 5.086  | 83   | 24338    | 5.632  | ug/L   | 97       |
| 27) 1,2-Dichloroethane        | 5.793  | 62   | 19157    | 5.390  | ug/L   | 100      |
| 29) Cyclohexane               | 5.385  | 56   | 14658    | 4.235  | ug/L   | 97       |
| 30) 1,1,1-Trichloroethane     | 5.314  | 97   | 21447    | 6.134  | ug/L   | 96       |
| 31) Carbon tetrachloride      | 5.526  | 117  | 18369m   | 6.260  | ug/L   |          |
| 33) Benzene                   | 5.771  | 78   | 48185    | 5.218  | ug/L   | 100      |
| 34) Trichloroethene           | 6.539  | 95   | 12540    | 5.833  | ug/L   | 92       |
| 35) Methylcyclohexane         | 6.761  | 83   | 17021    | 5.000  | ug/L   | 96       |
| 37) 1,2-Dichloropropane       | 6.790  | 63   | 12252    | 4.638  | ug/L   | 98       |
| 38) Bromodichloromethane      | 7.102  | 83   | 18192    | 5.561  | ug/L   | 98       |
| 39) cis-1,3-Dichloropropene   | 7.603  | 75   | 16752    | 4.667  | ug/L   | 97       |
| 40) 4-Methyl-2-pentanone      | 7.790  | 43   | 25052    | 7.273  | ug/L   | 97       |
| 42) Toluene                   | 7.967  | 91   | 45790    | 5.083  | ug/L   | 99       |

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_U\Data\VU012623\  
 Data File : VU052811.D  
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 Operator : JC/MD  
 Sample : VSTD00567  
 Misc : 5.0mL/MSVOA\_U/WATER  
 ALS Vial : 3 Sample Multiplier: 1

Instrument :  
 MSVOA\_U  
 ClientSampleId :  
 VSTD005067

## Manual IntegrationsAPPROVED

Reviewed By :Krupa Patel 01/27/2023  
 Supervised By :Mahesh Dadoda 01/27/2023

Quant Time: Jan 27 04:12:45 2023  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_U\Method\SFAMULM012623WMA.M  
 Quant Title : VOC Analysis  
 QLast Update : Fri Jan 27 04:12:04 2023  
 Response via : Initial Calibration

| Compound                      | R.T.   | QIon | Response | Conc  | Units | Dev(Min) |
|-------------------------------|--------|------|----------|-------|-------|----------|
| 44) trans-1,3-Dichloropropene | 8.208  | 75   | 16727    | 4.832 | ug/L  | 99       |
| 45) 1,1,2-Trichloroethane     | 8.398  | 97   | 12300    | 5.456 | ug/L  | 96       |
| 46) Tetrachloroethene         | 8.549  | 164  | 10404    | 6.698 | ug/L  | 97       |
| 48) 2-Hexanone                | 8.684  | 43   | 21666    | 7.625 | ug/L  | 97       |
| 49) Dibromochloromethane      | 8.806  | 129  | 14466    | 5.997 | ug/L  | 99       |
| 50) 1,2-Dibromoethane         | 8.918  | 107  | 12690    | 5.508 | ug/L  | 95       |
| 51) Chlorobenzene             | 9.446  | 112  | 34418    | 5.941 | ug/L  | 97       |
| 52) Ethylbenzene              | 9.568  | 91   | 46956    | 4.997 | ug/L  | 99       |
| 53) m,p-Xylene                | 9.690  | 106  | 18694    | 5.249 | ug/L  | 97       |
| 54) o-xylene                  | 10.099 | 106  | 17642    | 5.144 | ug/L  | 93       |
| 55) Styrene                   | 10.111 | 104  | 29547    | 4.902 | ug/L  | 97       |
| 57) 1,1,2,2-Tetrachloroethane | 10.777 | 83   | 19200    | 4.781 | ug/L  | 91       |
| 59) Bromoform                 | 10.288 | 173  | 10736    | 6.695 | ug/L  | 96       |
| 60) 1,2,3-Trichloropropane    | 10.819 | 75   | 15672    | 5.238 | ug/L  | 99       |
| 61) Isopropylbenzene          | 10.481 | 105  | 44494    | 5.364 | ug/L  | 99       |
| 62) 1,3,5-Trimethylbenzene    | 11.086 | 105  | 33662    | 4.943 | ug/L  | 98       |
| 63) 1,2,4-Trimethylbenzene    | 11.465 | 105  | 31742    | 4.733 | ug/L  | 98       |
| 64) 1,3-Dichlorobenzene       | 11.742 | 146  | 25093    | 6.283 | ug/L  | 96       |
| 65) 1,4-Dichlorobenzene       | 11.835 | 146  | 27136    | 6.459 | ug/L  | 99       |
| 67) 1,2-Dichlorobenzene       | 12.208 | 146  | 25272    | 6.141 | ug/L  | 98       |
| 68) 1,2-Dibromo-3-chloropr... | 12.992 | 75   | 4500     | 5.380 | ug/L  | 90       |
| 69) 1,3,5-Trichlorobenzene    | 13.214 | 180  | 17877    | 6.277 | ug/L  | 99       |
| 70) 1,2,4-trichlorobenzene    | 13.838 | 180  | 15372    | 6.388 | ug/L  | 97       |
| 71) Naphthalene               | 14.082 | 128  | 43103    | 5.868 | ug/L  | 99       |
| 72) 1,2,3-Trichlorobenzene    | 14.327 | 180  | 16731    | 6.741 | ug/L  | 97       |

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

