

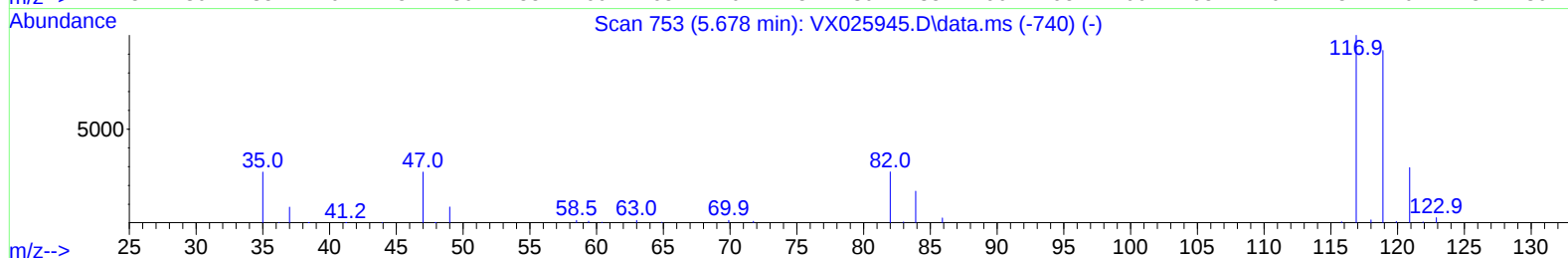
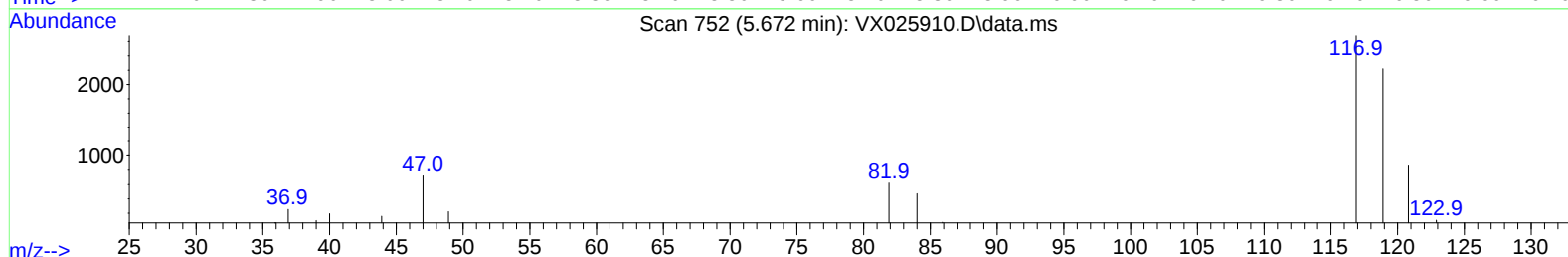
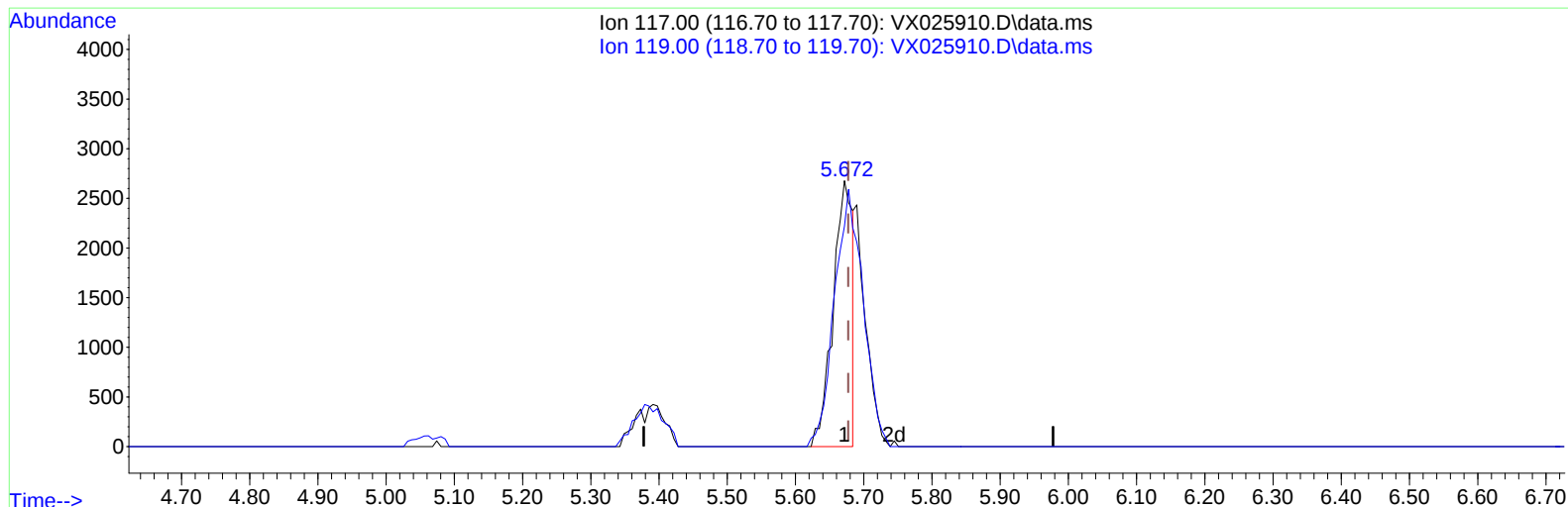
Data Path : Z:\voasrv\HPCHEM1\MSVOA\_X\Data\VX122021\Not Reviewed Data\  
Data File : VX025910.D  
Acq On : 20 Dec 2021 12:35  
Operator : JC/MD  
Sample : VSTD00543  
Misc : 5.0mL/MSVOA\_X/WATER  
ALS Vial : 3 Sample Multiplier: 1

Instrument :  
MSVOA\_X  
ClientSampleId :  
VSTD005643

## Manual IntegrationsAPPROVED

Reviewed By :John Carlone 12/21/2021  
Supervised By :Amit Patel 12/24/2021

Quant Time: Dec 23 21:36:03 2021  
Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_X\Method\SFAMXLM122021WMA.M  
Quant Title : VOC Analysis  
QLast Update : Wed Dec 22 05:35:20 2021  
Response via : Initial Calibration



TIC: VX025910.D\data.ms

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

5.672min (-0.006) 2.95 ug/L

response 5334

| Ion    | Exp%   | Act%    |
|--------|--------|---------|
| 117.00 | 100.00 | 100.00  |
| 119.00 | 96.00  | 142.29# |
| 0.00   | 0.00   | 0.00    |
| 0.00   | 0.00   | 0.00    |

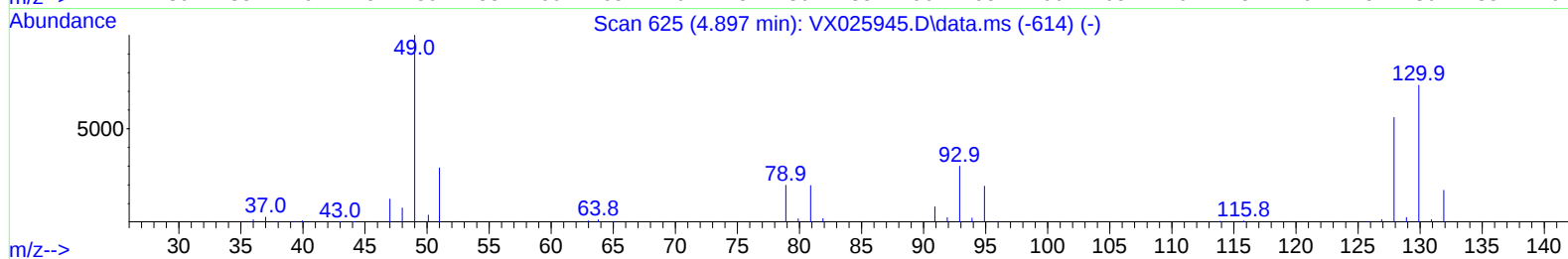
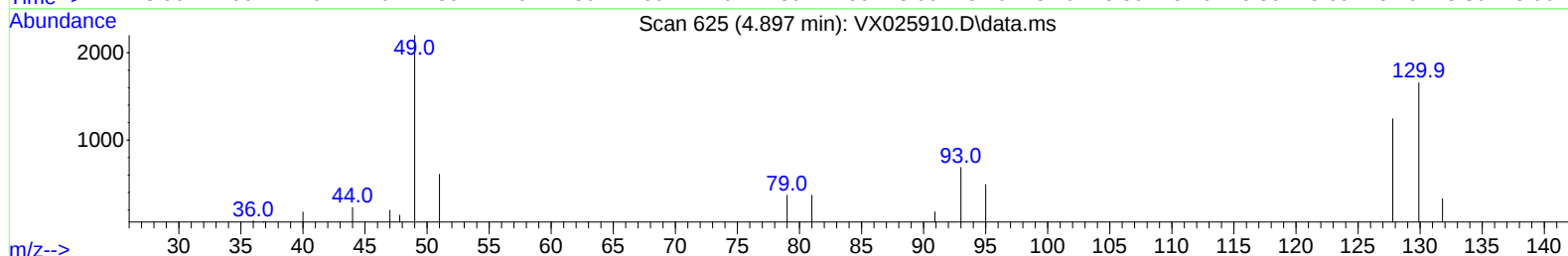
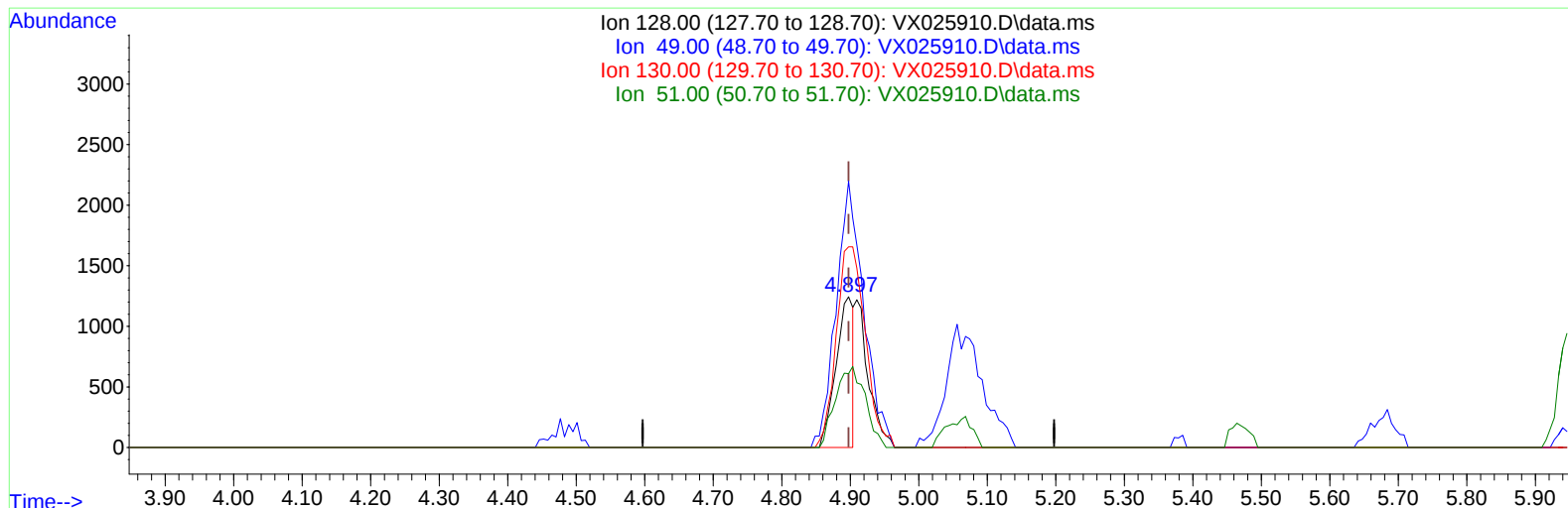
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Instrument :  
 MSVOA\_X  
 ClientSampleId :  
 VSTD005643

Manual IntegrationsAPPROVED

Quant Time: Dec 23 21:36:03 2021  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_X\Method\SFAMXLM122021WMA.M  
 Quant Title : VOC Analysis  
 QLast Update : Wed Dec 22 05:35:20 2021  
 Response via : Initial Calibration

Reviewed By :John Carlone 12/21/2021  
 Supervised By :Amit Patel 12/24/2021



TIC: VX025910.D\data.ms

**(23) Bromochloromethane (T)**

**4.897min (+ 0.000) 2.87 ug/L**

**response 2204**

| Ion    | Exp%   | Act%   |
|--------|--------|--------|
| 128.00 | 100.00 | 100.00 |
| 49.00  | 139.60 | 176.69 |
| 130.00 | 126.00 | 133.20 |
| 51.00  | 45.00  | 48.95  |

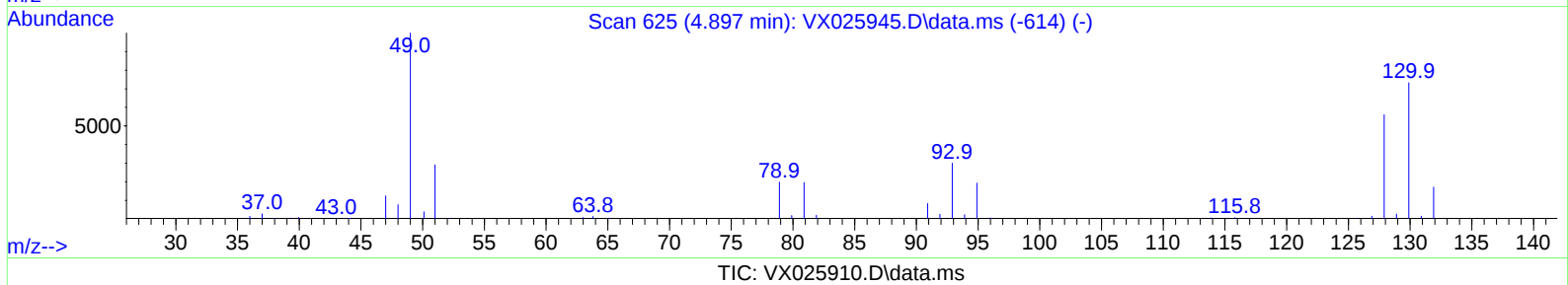
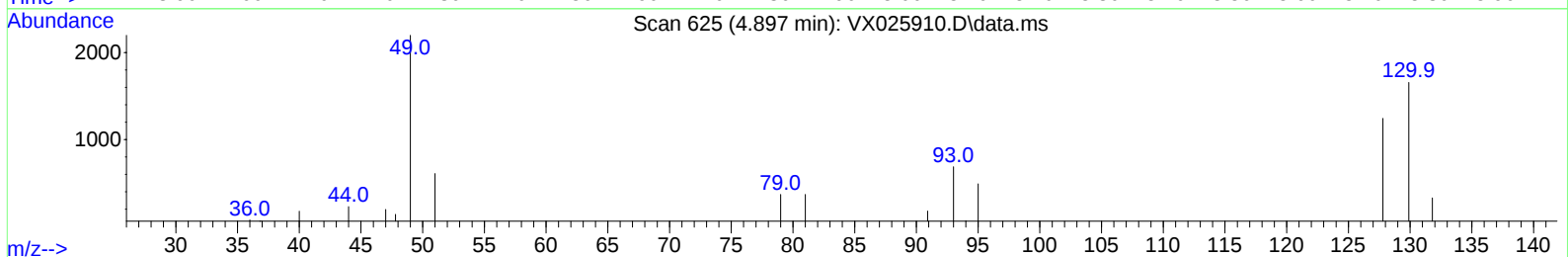
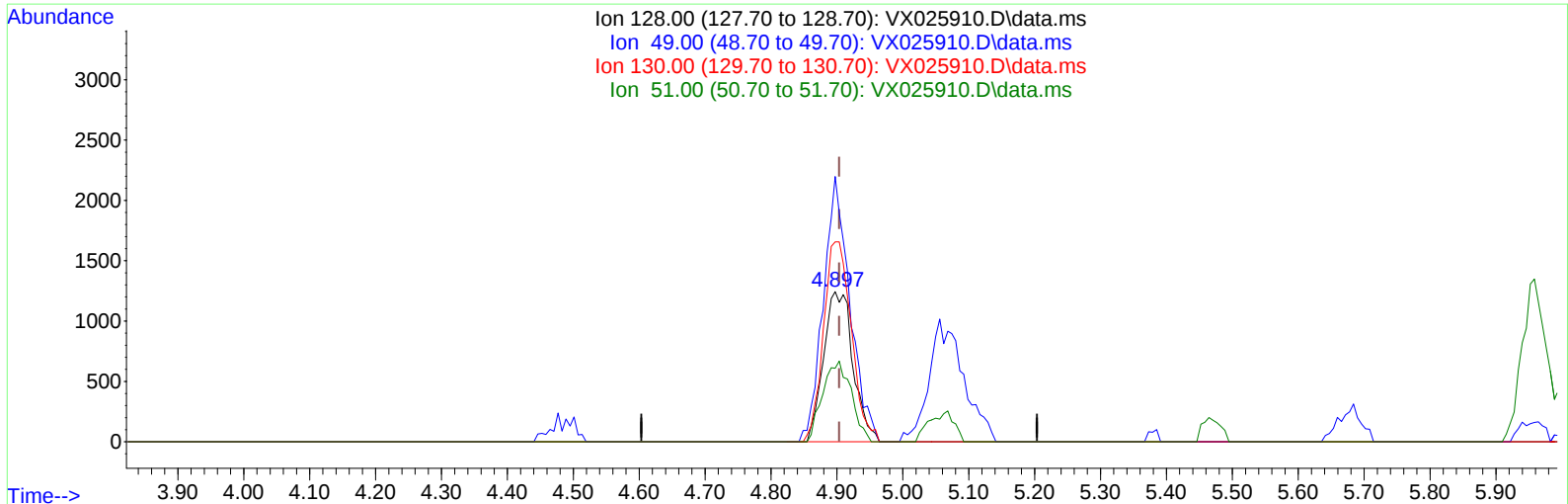
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Data File : VX025910.D  
Acq On : 20 Dec 2021 12:35  
Operator : JC/MD  
Sample : VSTD00543  
Misc : 5.0mL/MSVOA\_X/WATER  
ALS Vial : 3 Sample Multiplier: 1

Instrument :  
MSVOA\_X  
ClientSampleId :  
VSTD005643

## Manual IntegrationsAPPROVED

Reviewed By :John Carlone 12/21/2021  
Supervised By :Amit Patel 12/24/2021

Quant Time: Dec 20 14:12:02 2021  
Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_X\Method\SFAMXLM122021WMA.M  
Quant Title : VOC Analysis  
QLast Update : Mon Dec 20 14:11:27 2021  
Response via : Initial Calibration

**(23) Bromochloromethane (T)**

4.897min (-0.006) 5.90 ug/L m

response 3855

| Ion    | Exp%   | Act%   |
|--------|--------|--------|
| 128.00 | 100.00 | 100.00 |
| 49.00  | 139.60 | 176.69 |
| 130.00 | 126.00 | 133.20 |
| 51.00  | 45.00  | 48.95  |

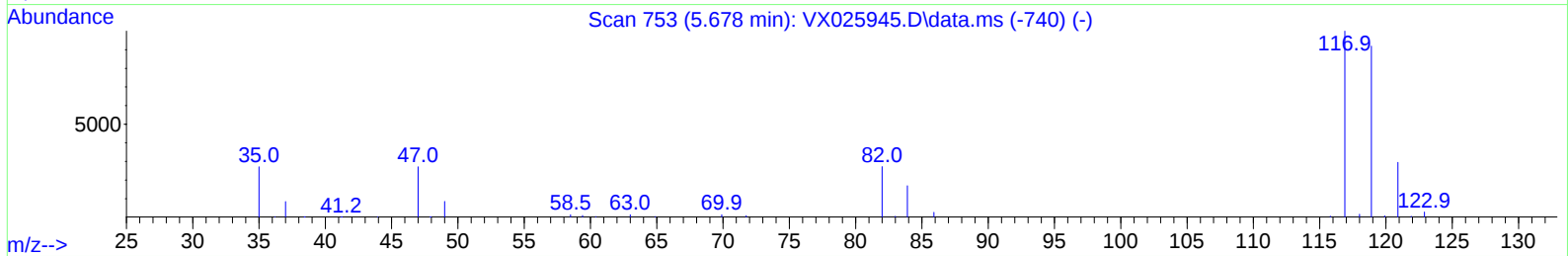
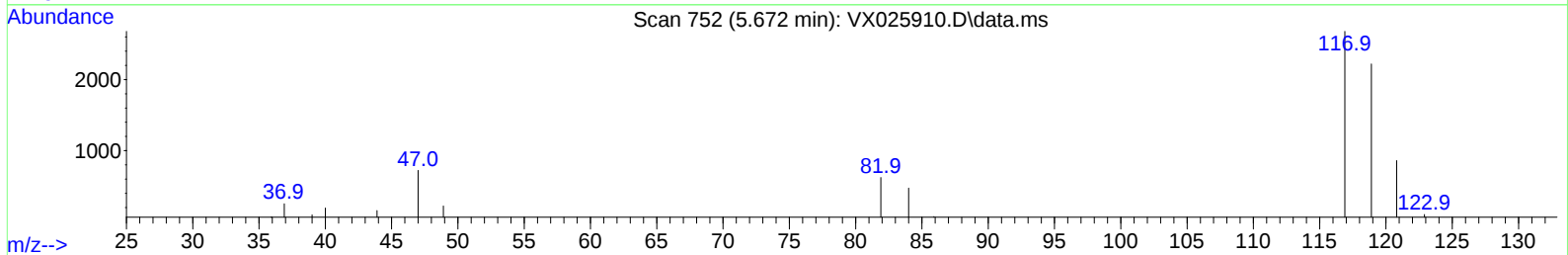
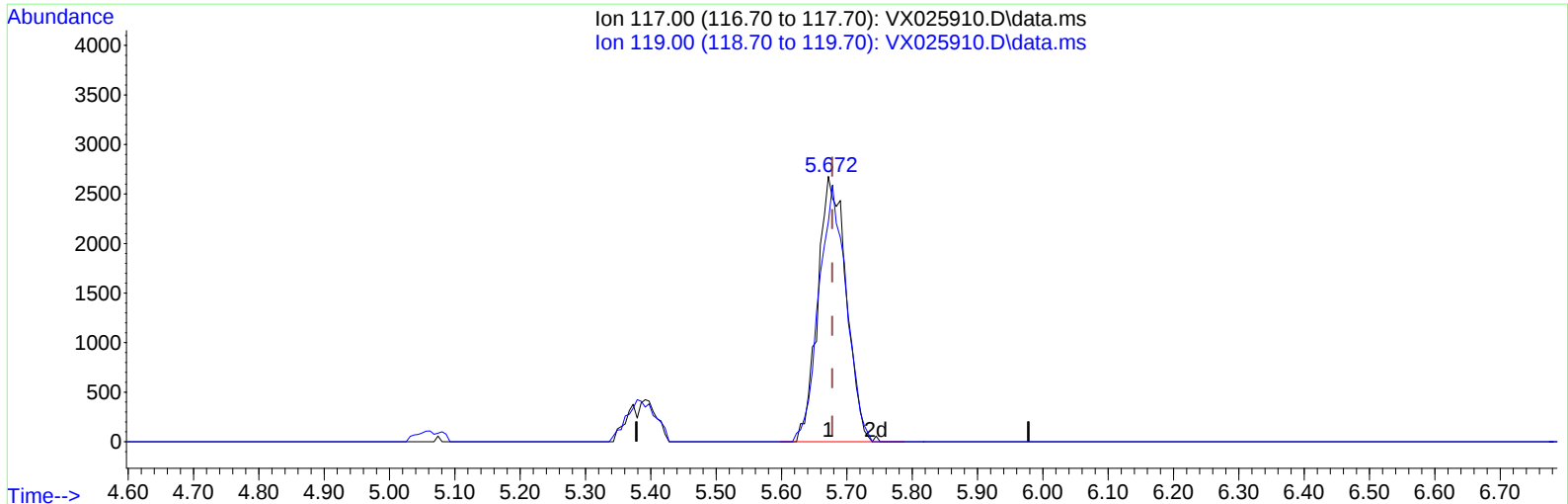
Data Path : Z:\voasrv\HPCHEM1\MSVOA\_X\Data\VX122021\Not Reviewed Data\  
Data File : VX025910.D  
Acq On : 20 Dec 2021 12:35  
Operator : JC/MD  
Sample : VSTD00543  
Misc : 5.0mL/MSVOA\_X/WATER  
ALS Vial : 3 Sample Multiplier: 1

Instrument :  
MSVOA\_X  
ClientSampleId :  
VSTD005643

## Manual IntegrationsAPPROVED

Reviewed By :John Carlone 12/21/2021  
Supervised By :Amit Patel 12/24/2021

Quant Time: Dec 20 14:12:02 2021  
Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_X\Method\SFAMXLM122021WMA.M  
Quant Title : VOC Analysis  
QLast Update : Mon Dec 20 14:11:27 2021  
Response via : Initial Calibration



TIC: VX025910.D\data.ms

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

5.672min (-0.006) 5.41 ug/L m

response 8061

| Ion    | Exp%   | Act%   |
|--------|--------|--------|
| 117.00 | 100.00 | 100.00 |
| 119.00 | 96.00  | 94.16  |
| 0.00   | 0.00   | 0.00   |
| 0.00   | 0.00   | 0.00   |

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_X\Data\VX122021\Not Reviewed Data\  
 Data File : VX025910.D  
 Acq On : 20 Dec 2021 12:35  
 Operator : JC/MD  
 Sample : VSTD00543  
 Misc : 5.0mL/MSVOA\_X/WATER  
 ALS Vial : 3 Sample Multiplier: 1

Instrument :  
 MSVOA\_X  
 ClientSampleId :  
 VSTD005643

Manual IntegrationsAPPROVED

Quant Time: Dec 20 14:12:02 2021  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_X\Method\SFAMXLM122021WMA.M  
 Quant Title : VOC Analysis  
 QLast Update : Mon Dec 20 14:11:27 2021  
 Response via : Initial Calibration

Reviewed By :John Carlone 12/21/2021  
 Supervised By :Amit Patel 12/24/2021

| Compound                      | R.T.   | QIon | Response | Conc   | Units  | Dev(Min) |
|-------------------------------|--------|------|----------|--------|--------|----------|
| -----                         |        |      |          |        |        |          |
| Internal Standards            |        |      |          |        |        |          |
| 1) 1,4-Difluorobenzene        | 6.763  | 114  | 174844   | 50.000 | ug/L   | 0.00     |
| 28) Chlorobenzene-d5          | 10.055 | 117  | 172910   | 50.000 | ug/L   | 0.00     |
| 58) 1,4-Dichlorobenzene-d4    | 12.024 | 152  | 79414    | 50.000 | ug/L   | 0.00     |
| System Monitoring Compounds   |        |      |          |        |        |          |
| 4) Vinyl Chloride-d3          | 1.368  | 65   | 7146     | 5.148  | ug/L   | 0.00     |
| 7) Chloroethane-d5            | 1.666  | 69   | 5856     | 5.007  | ug/L   | 0.00     |
| 11) 1,1-Dichloroethene-d2     | 2.306  | 63   | 12181    | 5.112  | ug/L   | 0.00     |
| 21) 2-Butanone-d5             | 4.458  | 46   | 9803     | 9.586  | ug/L   | 0.00     |
| 24) Chloroform-d              | 5.056  | 84   | 13680    | 5.052  | ug/L   | 0.00     |
| 26) 1,2-Dichloroethane-d4     | 5.958  | 65   | 9197     | 5.065  | ug/L   | 0.00     |
| 32) Benzene-d6                | 5.976  | 84   | 26095    | 5.003  | ug/L   | 0.00     |
| 36) 1,2-Dichloropropane-d6    | 7.306  | 67   | 7845     | 4.910  | ug/L   | 0.00     |
| 41) Toluene-d8                | 8.647  | 98   | 24770    | 5.049  | ug/L   | 0.00     |
| 43) trans-1,3-Dichloroprop... | 8.952  | 79   | 3257     | 5.004  | ug/L   | 0.00     |
| 47) 2-Hexanone-d5             | 9.384  | 63   | 6123     | 9.070  | ug/L   | 0.00     |
| 56) 1,1,2,2-Tetrachloroeth... | 11.195 | 84   | 10561    | 4.748  | ug/L   | 0.00     |
| 66) 1,2-Dichlorobenzene-d4    | 12.323 | 152  | 8451     | 5.025  | ug/L   | 0.00     |
| Target Compounds              |        |      |          |        |        |          |
|                               |        |      |          |        |        | Qvalue   |
| 2) Dichlorodifluoromethane    | 1.166  | 85   | 7125     | 5.049  | ug/L   | 100      |
| 3) Chloromethane              | 1.294  | 50   | 7848     | 5.047  | ug/L   | 96       |
| 5) Vinyl chloride             | 1.374  | 62   | 7642     | 5.004  | ug/L   | 96       |
| 6) Bromomethane               | 1.605  | 94   | 6119     | 5.236  | ug/L   | 85       |
| 8) Chloroethane               | 1.685  | 64   | 5320     | 5.113  | ug/L   | 98       |
| 9) Trichlorofluoromethane     | 1.886  | 101  | 11485    | 5.165  | ug/L   | 98       |
| 10) 1,1,2-Trichloro-1,2,2-... | 2.331  | 101  | 5641     | 5.259  | ug/L   | 89       |
| 12) 1,1-Dichloroethene        | 2.319  | 96   | 5114     | 4.876  | ug/L # | 62       |
| 13) Acetone                   | 2.380  | 43   | 8266     | 9.850  | ug/L   | 94       |
| 14) Carbon disulfide          | 2.514  | 76   | 15195    | 5.052  | ug/L   | 97       |
| 15) Methyl Acetate            | 2.703  | 43   | 7482     | 5.009  | ug/L # | 90       |
| 16) Methylene chloride        | 2.794  | 84   | 7519     | 5.259  | ug/L   | 98       |
| 17) trans-1,2-Dichloroethene  | 3.093  | 96   | 6677     | 5.254  | ug/L   | 95       |
| 18) Methyl tert-butyl Ether   | 3.111  | 73   | 20399    | 4.931  | ug/L   | 97       |
| 19) 1,1-Dichloroethane        | 3.605  | 63   | 11118    | 4.839  | ug/L   | 95       |
| 20) cis-1,2-Dichloroethene    | 4.489  | 96   | 7375     | 5.105  | ug/L   | 94       |
| 22) 2-Butanone                | 4.562  | 43   | 11099    | 9.519  | ug/L   | 96       |
| 23) Bromochloromethane        | 4.897  | 128  | 3855m    | 5.898  | ug/L   |          |
| 25) Chloroform                | 5.093  | 83   | 12460    | 4.885  | ug/L   | 94       |
| 27) 1,2-Dichloroethane        | 6.080  | 62   | 10178    | 4.932  | ug/L # | 92       |
| 29) Cyclohexane               | 5.477  | 56   | 9301     | 4.967  | ug/L # | 63       |
| 30) 1,1,1-Trichloroethane     | 5.385  | 97   | 9997     | 4.901  | ug/L # | 87       |
| 31) Carbon tetrachloride      | 5.672  | 117  | 8061m    | 5.412  | ug/L   |          |
| 33) Benzene                   | 6.037  | 78   | 26291    | 4.899  | ug/L   | 100      |
| 34) Trichloroethene           | 7.129  | 95   | 6764     | 4.889  | ug/L   | 95       |
| 35) Methylcyclohexane         | 7.373  | 83   | 8966     | 4.882  | ug/L   | 95       |
| 37) 1,2-Dichloropropane       | 7.434  | 63   | 6556     | 4.928  | ug/L # | 96       |
| 38) Bromodichloromethane      | 7.824  | 83   | 8373     | 4.736  | ug/L   | 98       |
| 39) cis-1,3-Dichloropropene   | 8.366  | 75   | 8785     | 4.772  | ug/L   | 94       |
| 40) 4-Methyl-2-pentanone      | 8.574  | 43   | 18873    | 9.381  | ug/L   | 98       |
| 42) Toluene                   | 8.720  | 91   | 27651    | 4.834  | ug/L   | 96       |
| 44) trans-1,3-Dichloropropene | 8.976  | 75   | 7567     | 4.484  | ug/L   | 100      |

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 Sample : VSTD00543  
 Misc : 5.0mL/MSVOA\_X/WATER  
 ALS Vial : 3 Sample Multiplier: 1

Instrument :  
 MSVOA\_X  
 ClientSampleId :  
 VSTD005643

## Manual IntegrationsAPPROVED

Reviewed By :John Carlone 12/21/2021  
 Supervised By :Amit Patel 12/24/2021

Quant Time: Dec 20 14:12:02 2021  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_X\Method\SFAMXML122021WMA.M  
 Quant Title : VOC Analysis  
 QLast Update : Mon Dec 20 14:11:27 2021  
 Response via : Initial Calibration

| Compound                      | R.T.   | QIon | Response | Conc  | Units  | Dev(Min) |
|-------------------------------|--------|------|----------|-------|--------|----------|
| -----                         |        |      |          |       |        |          |
| 45) 1,1,2-Trichloroethane     | 9.153  | 97   | 6760     | 4.856 | ug/L   | 93       |
| 46) Tetrachloroethene         | 9.275  | 164  | 5004     | 4.884 | ug/L   | 92       |
| 48) 2-Hexanone                | 9.433  | 43   | 15541    | 9.488 | ug/L # | 95       |
| 49) Dibromochloromethane      | 9.519  | 129  | 6477     | 4.695 | ug/L   | 95       |
| 50) 1,2-Dibromoethane         | 9.610  | 107  | 6856     | 4.739 | ug/L # | 88       |
| 51) Chlorobenzene             | 10.079 | 112  | 18366    | 4.895 | ug/L   | 98       |
| 52) Ethylbenzene              | 10.195 | 91   | 28732    | 4.759 | ug/L   | 94       |
| 53) m,p-Xylene                | 10.299 | 106  | 11282    | 4.732 | ug/L   | 97       |
| 54) o-Xylene                  | 10.640 | 106  | 10975    | 4.727 | ug/L   | 89       |
| 55) Styrene                   | 10.659 | 104  | 17518    | 4.567 | ug/L   | 93       |
| 57) 1,1,2,2-Tetrachloroethane | 11.213 | 83   | 10473    | 4.836 | ug/L   | 94       |
| 59) Bromoform                 | 10.799 | 173  | 3763     | 4.583 | ug/L # | 94       |
| 60) Isopropylbenzene          | 10.963 | 105  | 26605    | 4.871 | ug/L   | 97       |
| 61) 1,2,3-Trichloropropane    | 11.238 | 75   | 8308     | 5.007 | ug/L   | 99       |
| 62) 1,3,5-Trimethylbenzene    | 11.451 | 105  | 22020    | 4.808 | ug/L   | 94       |
| 63) 1,2,4-Trimethylbenzene    | 11.750 | 105  | 22533    | 4.889 | ug/L # | 80       |
| 64) 1,3-Dichlorobenzene       | 11.969 | 146  | 12553    | 4.946 | ug/L   | 94       |
| 65) 1,4-Dichlorobenzene       | 12.042 | 146  | 12921    | 5.030 | ug/L   | 98       |
| 67) 1,2-Dichlorobenzene       | 12.335 | 146  | 12952    | 5.032 | ug/L   | 99       |
| 68) 1,2-Dibromo-3-chloropr... | 12.945 | 75   | 1592     | 4.457 | ug/L   | 91       |
| 69) 1,3,5-Trichlorobenzene    | 13.115 | 180  | 7760     | 4.915 | ug/L   | 98       |
| 70) 1,2,4-trichlorobenzene    | 13.591 | 180  | 5538     | 4.520 | ug/L   | 97       |
| 71) Naphthalene               | 13.780 | 128  | 16651    | 4.090 | ug/L   | 99       |
| 72) 1,2,3-Trichlorobenzene    | 13.963 | 180  | 5382     | 4.409 | ug/L   | 91       |
| -----                         |        |      |          |       |        |          |

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

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ClientSampleId :  
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