

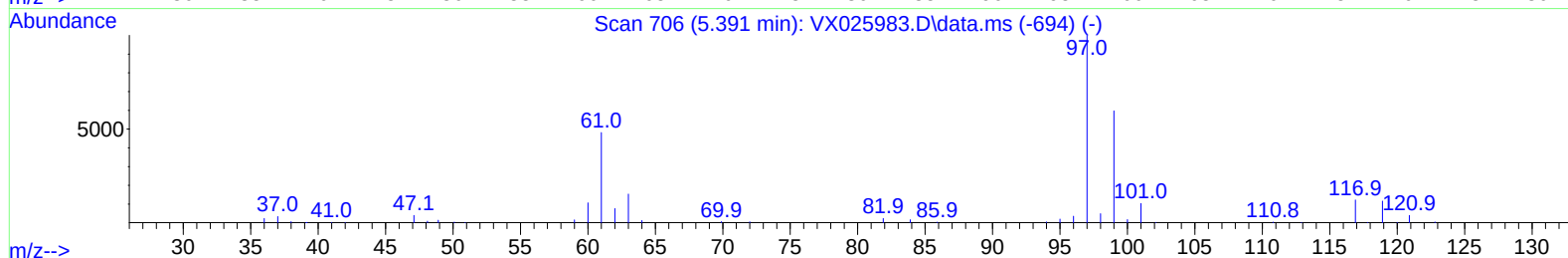
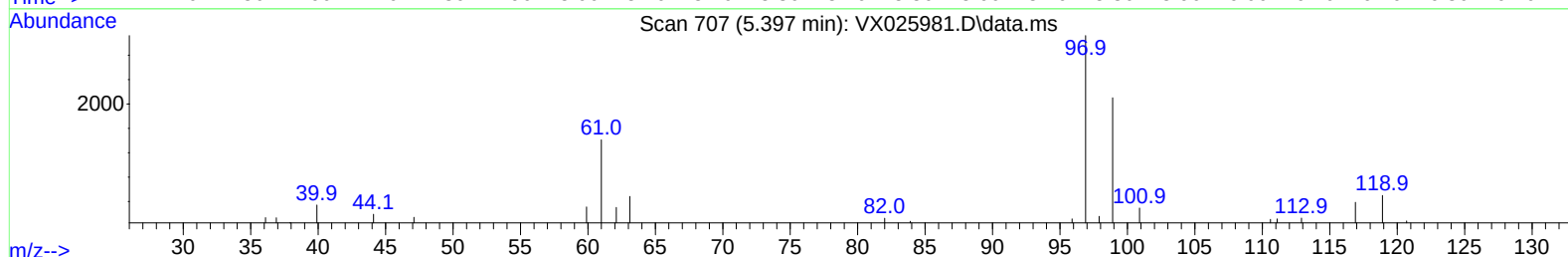
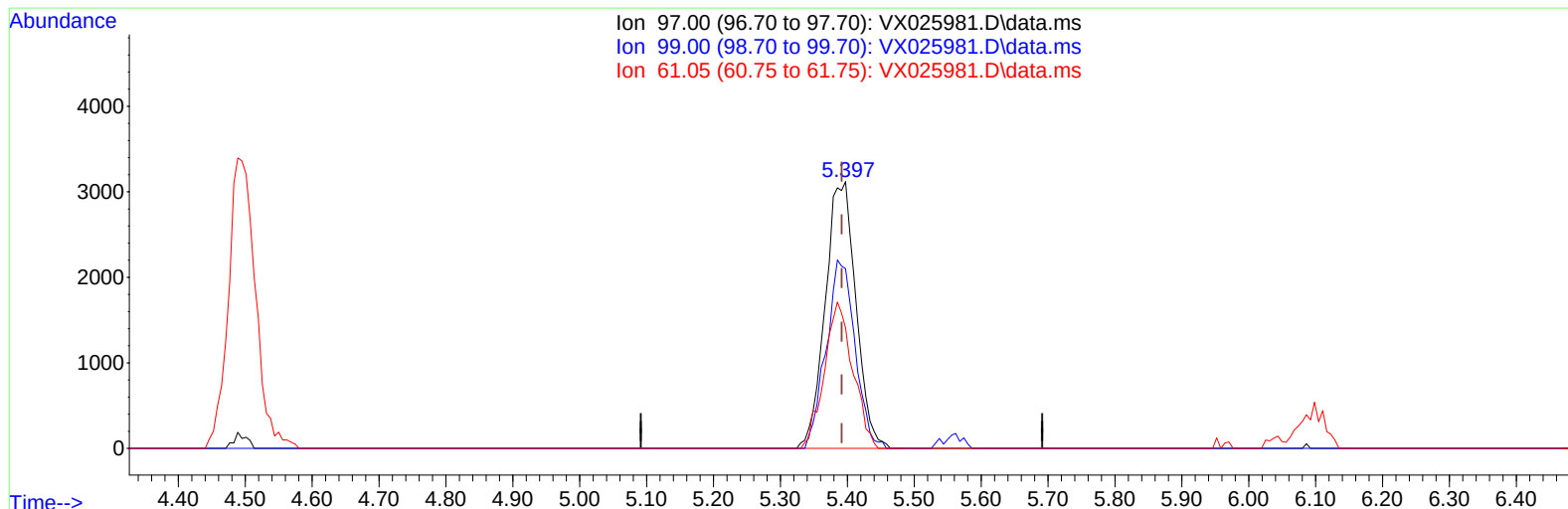
Data Path : Z:\voasrv\HPCHEM1\MSVOA\_X\Data\VX122321\  
Data File : VX025981.D  
Acq On : 23 Dec 2021 19:00  
Operator : JC/MD  
Sample : VSTD00554  
Misc : 5.0mL/MSVOA\_X/WATER  
ALS Vial : 1 Sample Multiplier: 1

Instrument :  
MSVOA\_X  
ClientSampleId :  
VSTD005654

## Manual IntegrationsAPPROVED

Reviewed By :Semsettin Yesilyurt 12/26/2021  
Supervised By :Mahesh Dadoda 12/28/2021

Quant Time: Dec 23 20:16:31 2021  
Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_X\Method\SFAMXLM122321WMA.M  
Quant Title : VOC Analysis  
QLast Update : Thu Dec 23 20:14:17 2021  
Response via : Initial Calibration



TIC: VX025981.D\data.ms

**(30) 1,1,1-Trichloroethane (T)**

5.397min (+ 0.006) 4.18 ug/L m

response 9927

| Ion   | Exp%   | Act%   |
|-------|--------|--------|
| 97.00 | 100.00 | 100.00 |
| 99.00 | 64.40  | 66.34  |
| 61.05 | 41.40  | 51.00# |
| 0.00  | 0.00   | 0.00   |

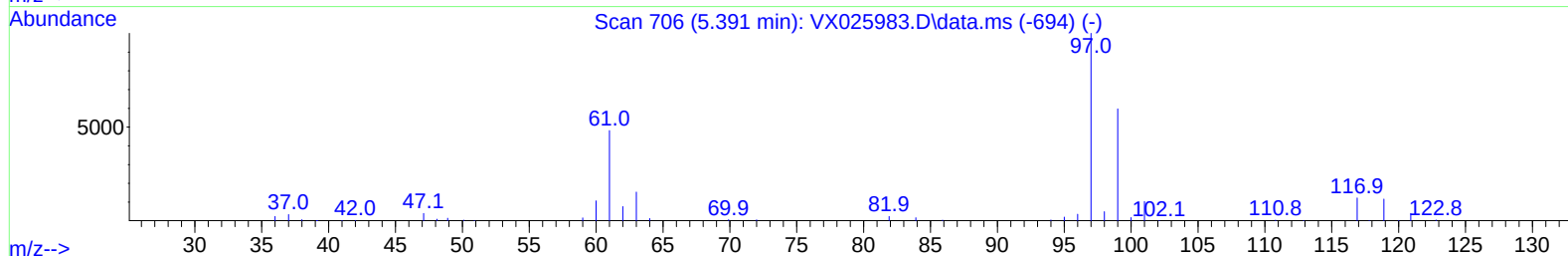
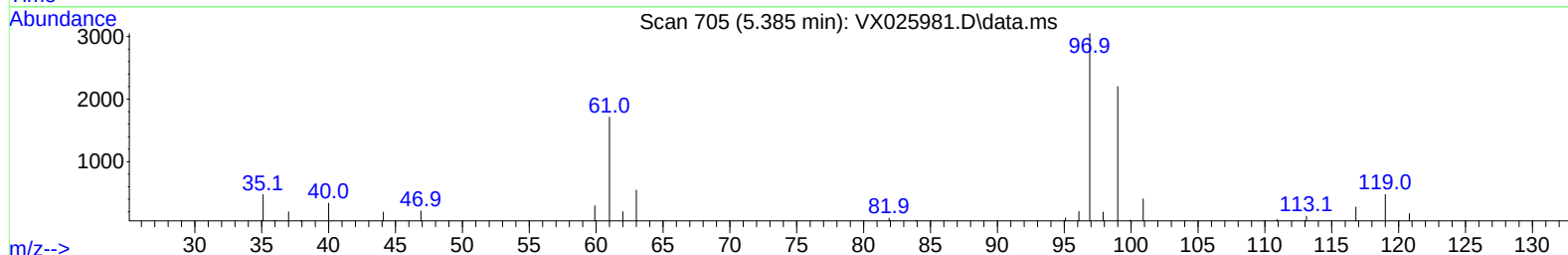
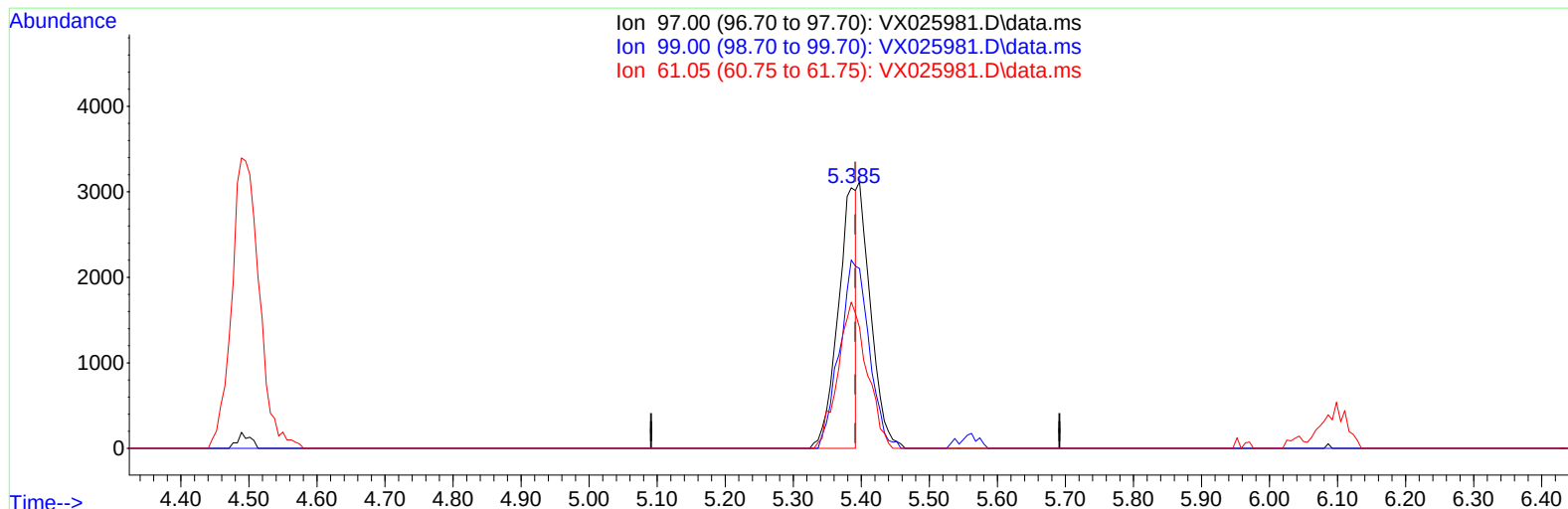
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TIC: VX025981.D\data.ms

## (30) 1,1,1-Trichloroethane (T)

5.385min (-0.006) 2.41 ug/L

response 5724

| Ion   | Exp%   | Act%    |
|-------|--------|---------|
| 97.00 | 100.00 | 100.00  |
| 99.00 | 64.40  | 115.06# |
| 61.05 | 41.40  | 88.45#  |
| 0.00  | 0.00   | 0.00    |

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Manual IntegrationsAPPROVED

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| Compound                      | R.T.   | QIon | Response | Conc   | Units  | Dev(Min) |
|-------------------------------|--------|------|----------|--------|--------|----------|
| -----                         |        |      |          |        |        |          |
| Internal Standards            |        |      |          |        |        |          |
| 1) 1,4-Difluorobenzene        | 6.763  | 114  | 203405   | 50.000 | ug/L   | 0.00     |
| 28) Chlorobenzene-d5          | 10.055 | 117  | 188377   | 50.000 | ug/L   | 0.00     |
| 58) 1,4-Dichlorobenzene-d4    | 12.024 | 152  | 92471    | 50.000 | ug/L   | 0.00     |
| System Monitoring Compounds   |        |      |          |        |        |          |
| 4) Vinyl Chloride-d3          | 1.374  | 65   | 6920     | 4.179  | ug/L   | 0.00     |
| 7) Chloroethane-d5            | 1.672  | 69   | 5615     | 4.179  | ug/L   | 0.00     |
| 11) 1,1-Dichloroethene-d2     | 2.313  | 63   | 13487    | 4.604  | ug/L   | 0.00     |
| 21) 2-Butanone-d5             | 4.471  | 46   | 11383    | 9.598  | ug/L   | 0.01     |
| 24) Chloroform-d              | 5.062  | 84   | 13301    | 4.290  | ug/L   | 0.00     |
| 26) 1,2-Dichloroethane-d4     | 5.964  | 65   | 9390     | 4.644  | ug/L   | 0.00     |
| 32) Benzene-d6                | 5.976  | 84   | 26289    | 4.586  | ug/L   | 0.00     |
| 36) 1,2-Dichloropropane-d6    | 7.312  | 67   | 7908     | 4.515  | ug/L   | 0.00     |
| 41) Toluene-d8                | 8.647  | 98   | 24654    | 4.545  | ug/L   | 0.00     |
| 43) trans-1,3-Dichloroprop... | 8.952  | 79   | 2871     | 3.739  | ug/L   | 0.00     |
| 47) 2-Hexanone-d5             | 9.384  | 63   | 7411     | 9.257  | ug/L   | 0.00     |
| 56) 1,1,2,2-Tetrachloroeth... | 11.195 | 84   | 11675    | 4.727  | ug/L   | 0.00     |
| 66) 1,2-Dichlorobenzene-d4    | 12.323 | 152  | 8297     | 4.302  | ug/L   | 0.00     |
| Target Compounds              |        |      |          |        |        |          |
|                               |        |      |          |        |        | Qvalue   |
| 2) Dichlorodifluoromethane    | 1.172  | 85   | 9274     | 4.831  | ug/L   | 95       |
| 3) Chloromethane              | 1.300  | 50   | 8668     | 4.674  | ug/L   | 94       |
| 5) Vinyl chloride             | 1.380  | 62   | 8727     | 4.599  | ug/L   | 99       |
| 6) Bromomethane               | 1.611  | 94   | 5619     | 4.395  | ug/L   | 97       |
| 8) Chloroethane               | 1.691  | 64   | 5467     | 4.468  | ug/L   | 99       |
| 9) Trichlorofluoromethane     | 1.892  | 101  | 13180    | 4.602  | ug/L   | 96       |
| 10) 1,1,2-Trichloro-1,2,2-... | 2.337  | 101  | 6754     | 4.730  | ug/L   | 92       |
| 12) 1,1-Dichloroethene        | 2.325  | 96   | 6259     | 4.711  | ug/L   | 95       |
| 13) Acetone                   | 2.380  | 43   | 5996     | 6.757  | ug/L   | 96       |
| 14) Carbon disulfide          | 2.514  | 76   | 16637    | 4.326  | ug/L   | 98       |
| 15) Methyl Acetate            | 2.709  | 43   | 8705     | 5.011  | ug/L # | 91       |
| 16) Methylene chloride        | 2.794  | 84   | 7617     | 4.686  | ug/L   | 78       |
| 17) trans-1,2-Dichloroethene  | 3.093  | 96   | 6528     | 4.310  | ug/L   | 95       |
| 18) Methyl tert-butyl Ether   | 3.117  | 73   | 20616    | 4.307  | ug/L # | 95       |
| 19) 1,1-Dichloroethane        | 3.617  | 63   | 12431    | 4.568  | ug/L   | 96       |
| 20) cis-1,2-Dichloroethene    | 4.489  | 96   | 7171     | 4.220  | ug/L   | 85       |
| 22) 2-Butanone                | 4.568  | 43   | 11087    | 8.420  | ug/L   | 88       |
| 23) Bromochloromethane        | 4.897  | 128  | 3287     | 3.745  | ug/L # | 73       |
| 25) Chloroform                | 5.105  | 83   | 12907    | 4.378  | ug/L   | 88       |
| 27) 1,2-Dichloroethane        | 6.092  | 62   | 9693     | 4.099  | ug/L   | 96       |
| 29) Cyclohexane               | 5.477  | 56   | 11331    | 4.747  | ug/L # | 90       |
| 30) 1,1,1-Trichloroethane     | 5.397  | 97   | 9927m    | 4.185  | ug/L   |          |
| 31) Carbon tetrachloride      | 5.678  | 117  | 8804     | 4.316  | ug/L   | 100      |
| 33) Benzene                   | 6.044  | 78   | 27494    | 4.562  | ug/L   | 100      |
| 34) Trichloroethene           | 7.129  | 95   | 7291     | 4.658  | ug/L   | 93       |
| 35) Methylcyclohexane         | 7.385  | 83   | 10979    | 4.542  | ug/L   | 94       |
| 37) 1,2-Dichloropropane       | 7.434  | 63   | 6714     | 4.505  | ug/L # | 96       |
| 38) Bromodichloromethane      | 7.824  | 83   | 8595     | 4.292  | ug/L   | 100      |
| 39) cis-1,3-Dichloropropene   | 8.372  | 75   | 8260     | 3.765  | ug/L   | 100      |
| 40) 4-Methyl-2-pentanone      | 8.574  | 43   | 22425    | 9.675  | ug/L   | 94       |
| 42) Toluene                   | 8.720  | 91   | 28104    | 4.314  | ug/L   | 98       |
| 44) trans-1,3-Dichloropropene | 8.982  | 75   | 7295     | 3.531  | ug/L   | 94       |

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 Quant Title : VOC Analysis  
 QLast Update : Thu Dec 23 20:14:17 2021  
 Response via : Initial Calibration

| Compound                      | R.T.   | QIon | Response | Conc  | Units  | Dev(Min) |
|-------------------------------|--------|------|----------|-------|--------|----------|
| -----                         |        |      |          |       |        |          |
| 45) 1,1,2-Trichloroethane     | 9.153  | 97   | 6628     | 4.349 | ug/L   | 95       |
| 46) Tetrachloroethene         | 9.275  | 164  | 5440     | 4.488 | ug/L   | 92       |
| 48) 2-Hexanone                | 9.433  | 43   | 16336    | 8.791 | ug/L   | 97       |
| 49) Dibromochloromethane      | 9.525  | 129  | 5939     | 3.728 | ug/L   | 98       |
| 50) 1,2-Dibromoethane         | 9.616  | 107  | 6851     | 4.246 | ug/L # | 99       |
| 51) Chlorobenzene             | 10.079 | 112  | 18502    | 4.408 | ug/L   | 95       |
| 52) Ethylbenzene              | 10.195 | 91   | 29818    | 4.246 | ug/L   | 93       |
| 53) m,p-Xylene                | 10.305 | 106  | 11035    | 3.990 | ug/L   | 97       |
| 54) o-Xylene                  | 10.640 | 106  | 11349    | 4.227 | ug/L   | 80       |
| 55) Styrene                   | 10.659 | 104  | 16885    | 3.729 | ug/L   | 98       |
| 57) 1,1,2,2-Tetrachloroethane | 11.213 | 83   | 10892    | 4.524 | ug/L   | 98       |
| 59) Bromoform                 | 10.799 | 173  | 3747     | 3.684 | ug/L # | 96       |
| 60) Isopropylbenzene          | 10.963 | 105  | 28705    | 4.307 | ug/L   | 96       |
| 61) 1,2,3-Trichloropropane    | 11.238 | 75   | 8554     | 4.562 | ug/L   | 95       |
| 62) 1,3,5-Trimethylbenzene    | 11.451 | 105  | 22685    | 4.056 | ug/L   | 98       |
| 63) 1,2,4-Trimethylbenzene    | 11.756 | 105  | 22899    | 4.086 | ug/L # | 80       |
| 64) 1,3-Dichlorobenzene       | 11.969 | 146  | 12656    | 4.166 | ug/L   | 98       |
| 65) 1,4-Dichlorobenzene       | 12.042 | 146  | 13272    | 4.380 | ug/L   | 97       |
| 67) 1,2-Dichlorobenzene       | 12.335 | 146  | 12746    | 4.255 | ug/L   | 98       |
| 68) 1,2-Dibromo-3-chloropr... | 12.945 | 75   | 1976     | 4.421 | ug/L # | 86       |
| 69) 1,3,5-Trichlorobenzene    | 13.115 | 180  | 8533     | 4.296 | ug/L   | 98       |
| 70) 1,2,4-trichlorobenzene    | 13.591 | 180  | 7294     | 4.429 | ug/L   | 97       |
| 71) Naphthalene               | 13.780 | 128  | 26479    | 4.676 | ug/L   | 99       |
| 72) 1,2,3-Trichlorobenzene    | 13.963 | 180  | 7279     | 4.410 | ug/L   | 95       |
| -----                         |        |      |          |       |        |          |

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

