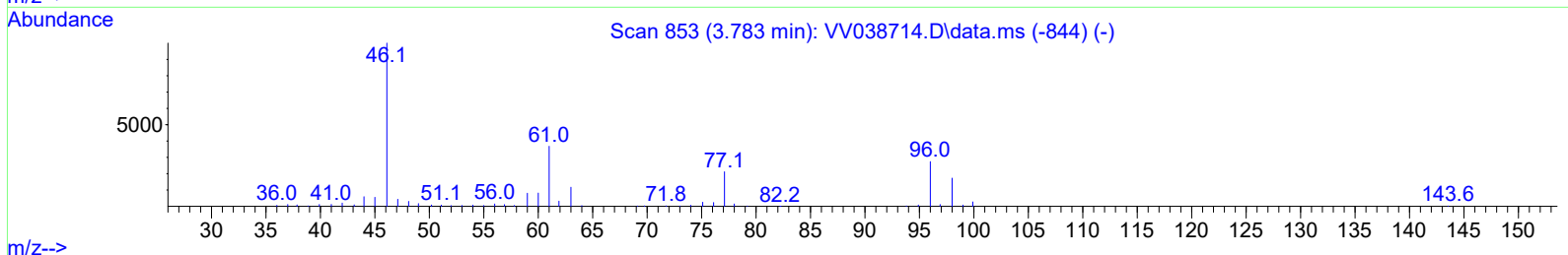
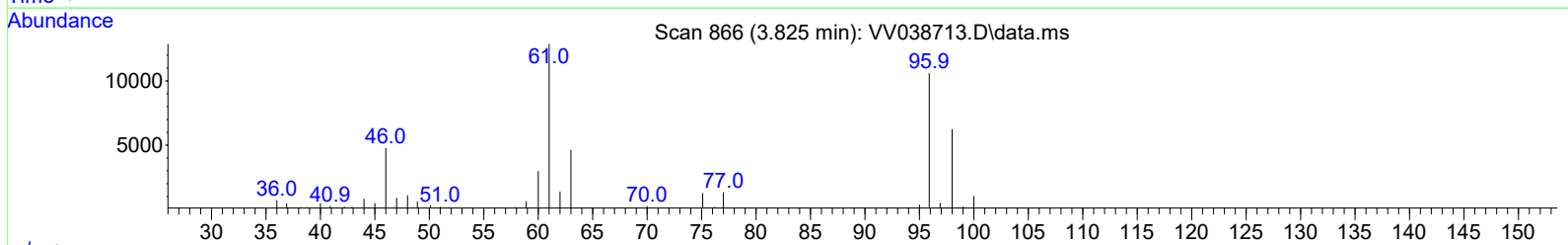
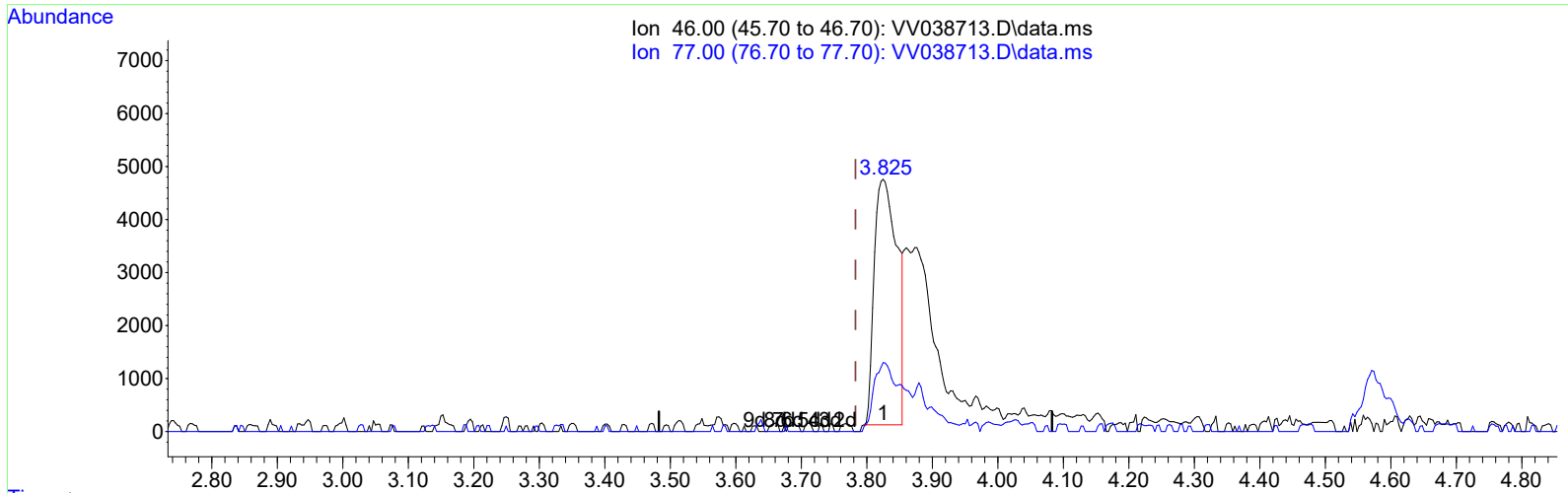




Data Path : Z:\voasrv\HPCHEM1\MSVOA\_V\DATA\VV031725\  
Data File : VV038713.D  
Acq On : 17 Mar 2025 12:55  
Operator : SY/MD  
Sample : VSTD010014  
Misc : 5.0mL/MSVOA\_V/WATER  
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Mar 17 13:53:22 2025  
Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_V\Method\SFAMVLM031724WMA.M  
Quant Title : VOC Analysis  
QLast Update : Mon Mar 17 13:51:31 2025  
Response via : Initial Calibration



TIC: VV038713.D\data.ms

(21) 2-Butanone-d5 (S)

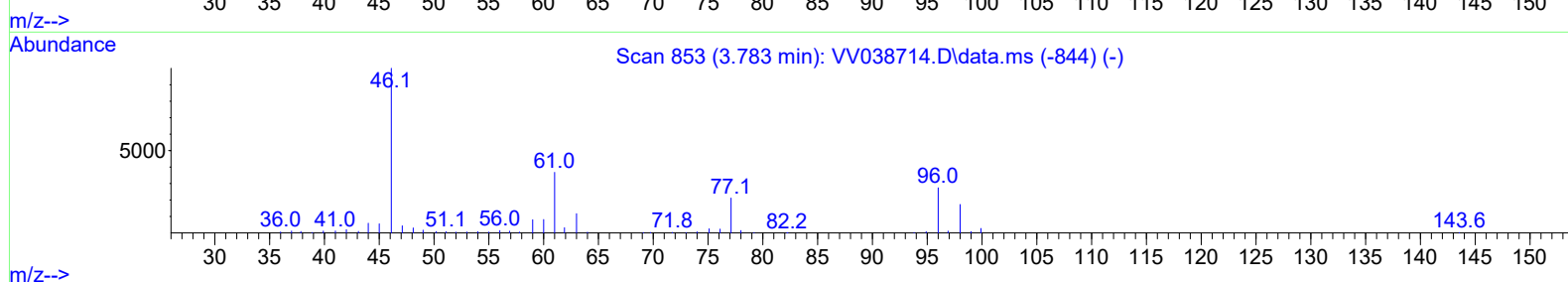
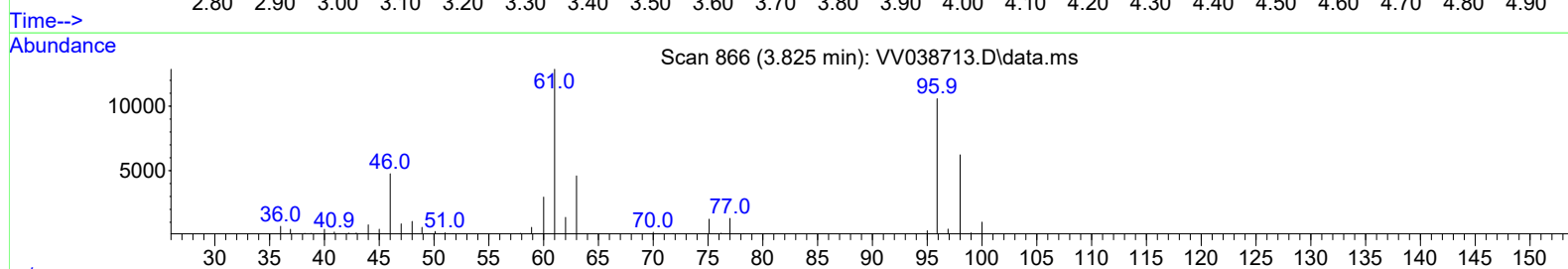
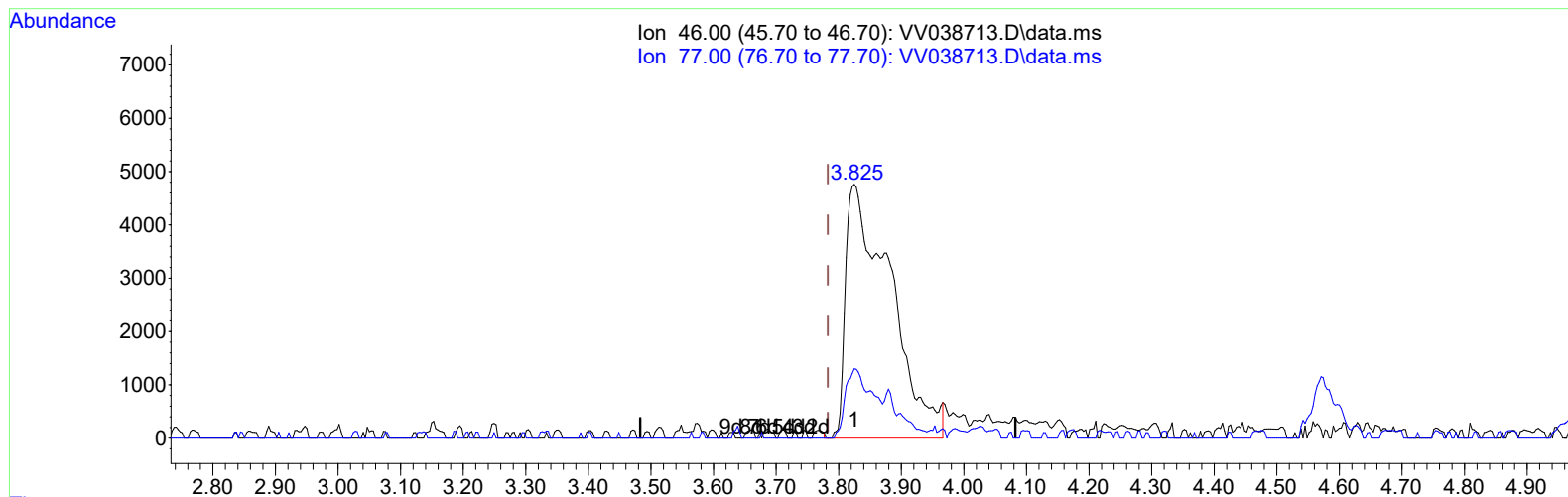
3.825min (+ 0.042) 7.91 ug/L

response 11270

| Ion   | Exp%   | Act%   |
|-------|--------|--------|
| 46.00 | 100.00 | 100.00 |
| 77.00 | 25.30  | 23.46  |
| 0.00  | 0.00   | 0.00   |
| 0.00  | 0.00   | 0.00   |

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_V\DATA\VV031725\  
Data File : VV038713.D  
Acq On : 17 Mar 2025 12:55  
Operator : SY/MD  
Sample : VSTD010014  
Misc : 5.0mL/MSVOA\_V/WATER  
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Mar 17 13:53:22 2025  
Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_V\Method\SFAMVLM031724WMA.M  
Quant Title : VOC Analysis  
QLast Update : Mon Mar 17 13:51:31 2025  
Response via : Initial Calibration



TIC: VV038713.D\data.ms

(21) 2-Butanone-d5 (S)

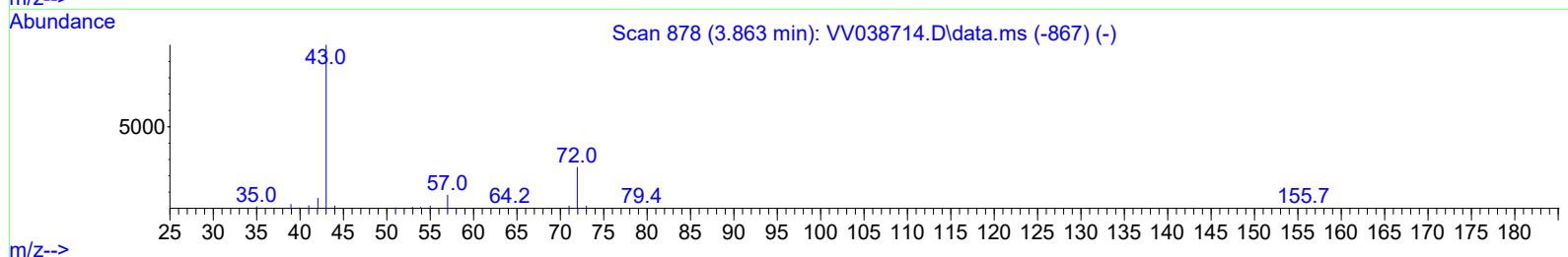
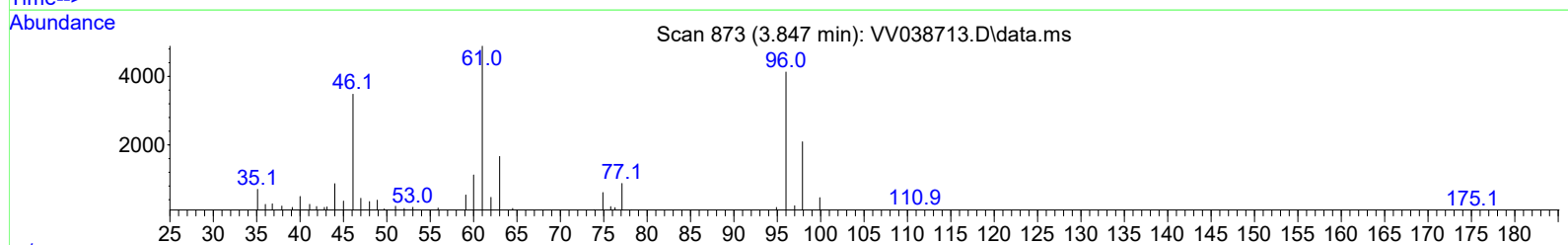
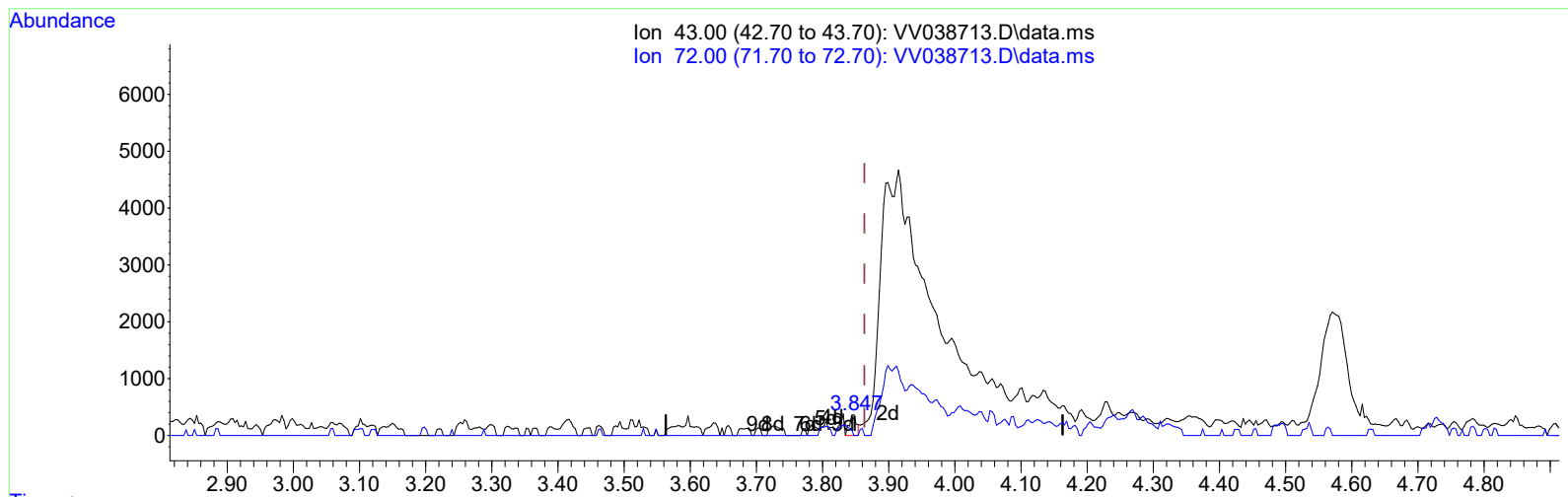
3.825min (+ 0.042) 16.54 ug/L m

response 23553

| Ion   | Exp%   | Act%   |
|-------|--------|--------|
| 46.00 | 100.00 | 100.00 |
| 77.00 | 25.30  | 11.23# |
| 0.00  | 0.00   | 0.00   |
| 0.00  | 0.00   | 0.00   |

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_V\DATA\VV031725\  
Data File : VV038713.D  
Acq On : 17 Mar 2025 12:55  
Operator : SY/MD  
Sample : VSTD010014  
Misc : 5.0mL/MSVOA\_V/WATER  
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Mar 17 13:53:22 2025  
Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_V\Method\SFAMVLM031724WMA.M  
Quant Title : VOC Analysis  
QLast Update : Mon Mar 17 13:51:31 2025  
Response via : Initial Calibration



TIC: VV038713.D\data.ms

(22) 2-Butanone (T)

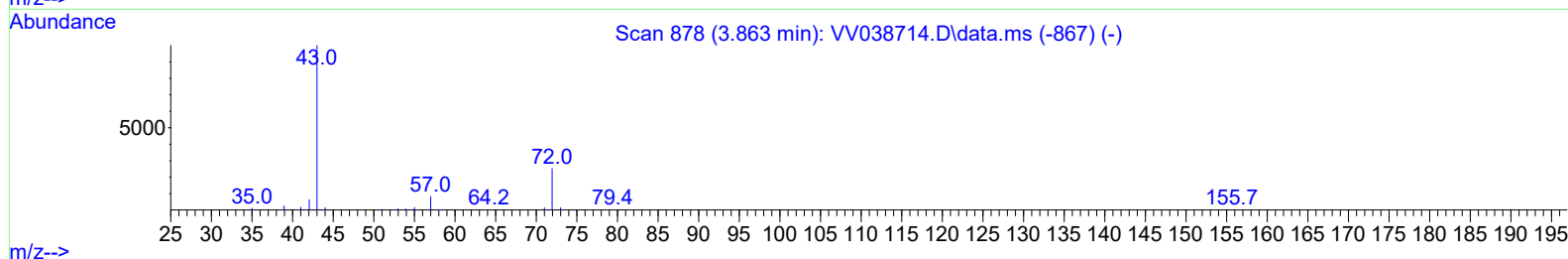
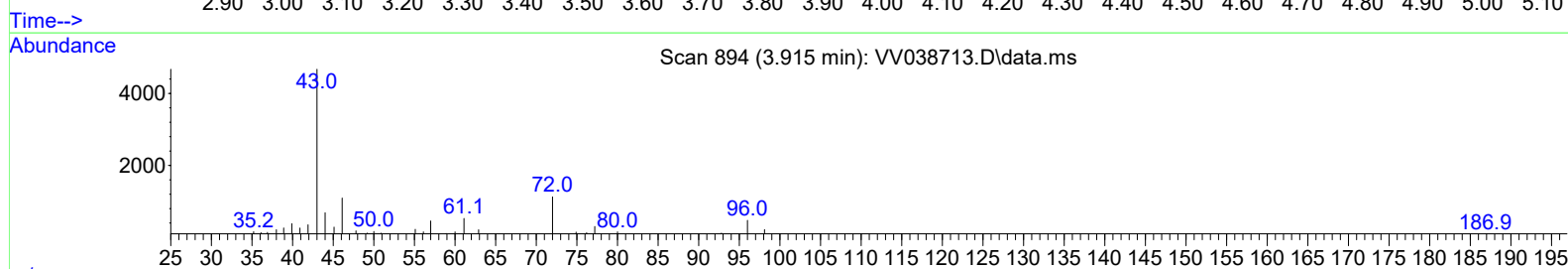
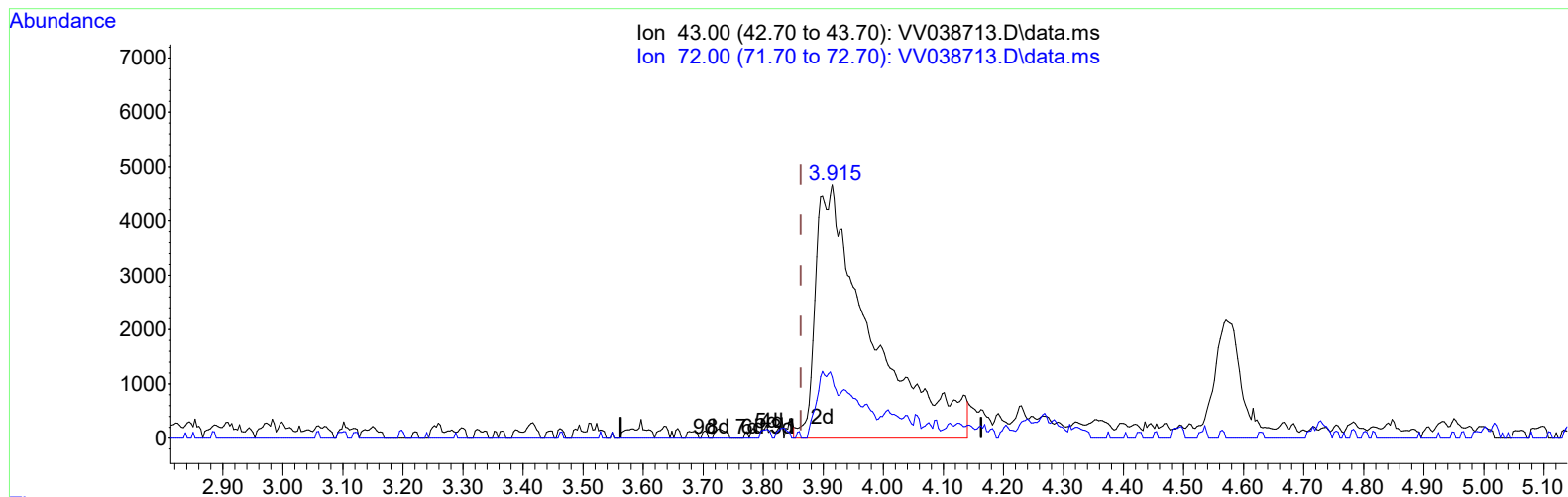
3.847min (-0.016) 0.15 ug/L

response 282

| Ion   | Exp%   | Act%   |
|-------|--------|--------|
| 43.00 | 100.00 | 100.00 |
| 72.00 | 25.00  | 15.96  |
| 0.00  | 0.00   | 0.00   |
| 0.00  | 0.00   | 0.00   |

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_V\DATA\VV031725\  
Data File : VV038713.D  
Acq On : 17 Mar 2025 12:55  
Operator : SY/MD  
Sample : VSTD010014  
Misc : 5.0mL/MSVOA\_V/WATER  
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Mar 17 13:53:22 2025  
Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_V\Method\SFAMVLM031724WMA.M  
Quant Title : VOC Analysis  
QLast Update : Mon Mar 17 13:51:31 2025  
Response via : Initial Calibration



TIC: VV038713.D\data.ms

(22) 2-Butanone (T)

3.915min (+ 0.052) 15.92 ug/L m

response 29709

| Ion   | Exp%   | Act%   |
|-------|--------|--------|
| 43.00 | 100.00 | 100.00 |
| 72.00 | 25.00  | 0.15#  |
| 0.00  | 0.00   | 0.00   |
| 0.00  | 0.00   | 0.00   |

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_V\DATA\VV031725\  
 Data File : VV038713.D  
 Acq On : 17 Mar 2025 12:55  
 Operator : SY/MD  
 Sample : VSTD010014  
 Misc : 5.0mL/MSVOA\_V/WATER  
 ALS Vial : 3 Sample Multiplier: 1

Quant Time: Mar 17 13:53:22 2025  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_V\Method\SFAMVLM031724WMA.M  
 Quant Title : VOC Analysis  
 QLast Update : Mon Mar 17 13:51:31 2025  
 Response via : Initial Calibration

| Compound                      | R.T.   | QIon | Response | Conc  | Units  | Dev(Min) |
|-------------------------------|--------|------|----------|-------|--------|----------|
| -----                         |        |      |          |       |        |          |
| Internal Standards            |        |      |          |       |        |          |
| 1) 1,4-Difluorobenzene        | 5.529  | 114  | 358165   | 50.00 | ug/L   | 0.00     |
| 28) Chlorobenzene-d5          | 8.776  | 117  | 393310   | 50.00 | ug/L   | 0.00     |
| 58) 1,4-Dichlorobenzene-d4    | 11.178 | 152  | 198756   | 50.00 | ug/L   | 0.00     |
| System Monitoring Compounds   |        |      |          |       |        |          |
| 4) Vinyl Chloride-d3          | 1.278  | 65   | 38118    | 12.74 | ug/L   | 0.00     |
| 7) Chloroethane-d5            | 1.529  | 69   | 32000    | 12.69 | ug/L   | 0.00     |
| 11) 1,1-Dichloroethene-d2     | 2.053  | 65   | 17167    | 13.53 | ug/L   | 0.00     |
| 21) 2-Butanone-d5             | 3.825  | 46   | 23553m   | 16.54 | ug/L   | 0.04     |
| 24) Chloroform-d              | 4.249  | 84   | 68408    | 12.56 | ug/L   | 0.00     |
| 26) 1,2-Dichloroethane-d4     | 4.944  | 65   | 39375    | 12.25 | ug/L   | 0.00     |
| 32) Benzene-d6                | 4.957  | 84   | 119838   | 10.58 | ug/L   | 0.00     |
| 36) 1,2-Dichloropropane-d6    | 5.986  | 67   | 38448    | 10.91 | ug/L   | 0.00     |
| 41) Toluene-d8                | 7.239  | 98   | 96858    | 9.45  | ug/L   | 0.00     |
| 43) trans-1,3-Dichloroprop... | 7.561  | 79   | 15104    | 8.86  | ug/L   | 0.02     |
| 47) 2-Hexanone-d5             | 8.037  | 63   | 11736    | 10.91 | ug/L   | 0.02     |
| 56) 1,1,2,2-Tetrachloroeth... | 10.146 | 84   | 48680    | 9.88  | ug/L   | 0.00     |
| 66) 1,2-Dichlorobenzene-d4    | 11.554 | 152  | 36612    | 9.53  | ug/L   | 0.00     |
| Target Compounds              |        |      |          |       |        |          |
|                               |        |      |          |       |        | Qvalue   |
| 2) Dichlorodifluoromethane    | 1.108  | 85   | 32282    | 9.81  | ug/L   | 100      |
| 3) Chloromethane              | 1.217  | 50   | 42113    | 12.34 | ug/L   | 99       |
| 5) Vinyl chloride             | 1.282  | 62   | 42580    | 12.23 | ug/L # | 57       |
| 6) Bromomethane               | 1.484  | 94   | 22250    | 10.32 | ug/L   | 96       |
| 8) Chloroethane               | 1.548  | 64   | 27837    | 12.64 | ug/L   | 94       |
| 9) Trichlorofluoromethane     | 1.712  | 101  | 55735    | 12.14 | ug/L   | 100      |
| 10) 1,1,2-Trichloro-1,2,2-... | 2.066  | 101  | 32842    | 12.43 | ug/L   | 93       |
| 12) 1,1-Dichloroethene        | 2.066  | 96   | 30445    | 12.09 | ug/L   | 89       |
| 13) Acetone                   | 2.111  | 43   | 25919    | 13.20 | ug/L   | 100      |
| 14) Carbon disulfide          | 2.236  | 76   | 94330    | 11.39 | ug/L   | 100      |
| 15) Methyl Acetate            | 2.378  | 43   | 27244    | 10.72 | ug/L   | 94       |
| 16) Methylene chloride        | 2.442  | 84   | 38801    | 12.77 | ug/L   | 88       |
| 17) trans-1,2-Dichloroethene  | 2.693  | 96   | 30301    | 11.04 | ug/L   | 96       |
| 18) Methyl tert-butyl Ether   | 2.699  | 73   | 82513    | 10.41 | ug/L   | 96       |
| 19) 1,1-Dichloroethane        | 3.108  | 63   | 67754    | 13.46 | ug/L   | 99       |
| 20) cis-1,2-Dichloroethene    | 3.818  | 96   | 33171    | 11.49 | ug/L   | 93       |
| 22) 2-Butanone                | 3.915  | 43   | 29709m   | 15.92 | ug/L   |          |
| 23) Bromochloromethane        | 4.150  | 128  | 18761    | 11.96 | ug/L   | 82       |
| 25) Chloroform                | 4.275  | 83   | 67833    | 12.91 | ug/L   | 98       |
| 27) 1,2-Dichloroethane        | 5.043  | 62   | 47383    | 12.36 | ug/L   | 98       |
| 29) Cyclohexane               | 4.574  | 56   | 46513    | 11.01 | ug/L   | 91       |
| 30) 1,1,1-Trichloroethane     | 4.503  | 97   | 56116    | 11.29 | ug/L   | 97       |
| 31) Carbon tetrachloride      | 4.728  | 117  | 47497    | 10.87 | ug/L   | 98       |
| 33) Benzene                   | 5.008  | 78   | 133598   | 11.25 | ug/L   | 100      |
| 34) Trichloroethene           | 5.834  | 95   | 33704    | 10.63 | ug/L   | 96       |
| 35) Methylcyclohexane         | 6.043  | 83   | 46107    | 10.12 | ug/L   | 93       |
| 37) 1,2-Dichloropropane       | 6.092  | 63   | 36895    | 11.95 | ug/L # | 95       |
| 38) Bromodichloromethane      | 6.429  | 83   | 50452    | 11.78 | ug/L   | 99       |
| 39) cis-1,3-Dichloropropene   | 6.953  | 75   | 46530    | 9.71  | ug/L   | 93       |
| 40) 4-Methyl-2-pentanone      | 7.159  | 43   | 58225    | 16.85 | ug/L # | 89       |
| 42) Toluene                   | 7.313  | 91   | 129578   | 10.51 | ug/L   | 99       |
| 44) trans-1,3-Dichloropropene | 7.584  | 75   | 43383    | 9.38  | ug/L   | 98       |

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_V\DATA\VV031725\  
Data File : VV038713.D  
Acq On : 17 Mar 2025 12:55  
Operator : SY/MD  
Sample : VSTD010014  
Misc : 5.0mL/MSVOA\_V/WATER  
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Mar 17 13:53:22 2025  
Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_V\Method\SFAMVLM031724WMA.M  
Quant Title : VOC Analysis  
QLast Update : Mon Mar 17 13:51:31 2025  
Response via : Initial Calibration

| Compound                      | R.T.   | QIon | Response | Conc  | Units  | Dev(Min) |
|-------------------------------|--------|------|----------|-------|--------|----------|
| 45) 1,1,2-Trichloroethane     | 7.767  | 97   | 36728    | 11.47 | ug/L   | 97       |
| 46) Tetrachloroethene         | 7.899  | 164  | 24743    | 10.11 | ug/L   | 96       |
| 48) 2-Hexanone                | 8.082  | 43   | 31692    | 10.99 | ug/L # | 87       |
| 49) Dibromochloromethane      | 8.172  | 129  | 35250    | 10.67 | ug/L   | 99       |
| 50) 1,2-Dibromoethane         | 8.281  | 107  | 33721    | 9.99  | ug/L   | 99       |
| 51) Chlorobenzene             | 8.809  | 112  | 93114    | 10.99 | ug/L   | 99       |
| 52) Ethylbenzene              | 8.940  | 91   | 136292   | 10.30 | ug/L   | 99       |
| 53) m,p-Xylene                | 9.069  | 106  | 48452    | 9.66  | ug/L   | 98       |
| 54) o-Xylene                  | 9.471  | 106  | 44774    | 9.28  | ug/L   | 95       |
| 55) Styrene                   | 9.493  | 104  | 77004    | 9.09  | ug/L   | 96       |
| 57) 1,1,2,2-Tetrachloroethane | 10.169 | 83   | 52702    | 10.59 | ug/L   | 99       |
| 59) Bromoform                 | 9.661  | 173  | 19939    | 9.33  | ug/L # | 99       |
| 60) Isopropylbenzene          | 9.860  | 105  | 123448   | 10.16 | ug/L   | 98       |
| 61) 1,2,3-Trichloropropane    | 10.204 | 75   | 38141    | 11.02 | ug/L   | 96       |
| 62) 1,3,5-Trimethylbenzene    | 10.468 | 105  | 89376    | 9.16  | ug/L   | 99       |
| 63) 1,2,4-Trimethylbenzene    | 10.844 | 105  | 86394    | 9.01  | ug/L   | 99       |
| 64) 1,3-Dichlorobenzene       | 11.111 | 146  | 65795    | 10.55 | ug/L   | 97       |
| 65) 1,4-Dichlorobenzene       | 11.201 | 146  | 70704    | 10.66 | ug/L   | 97       |
| 67) 1,2-Dichlorobenzene       | 11.574 | 146  | 65933    | 10.37 | ug/L   | 94       |
| 68) 1,2-Dibromo-3-chloropr... | 12.358 | 75   | 8061     | 8.84  | ug/L   | 97       |
| 69) 1,3,5-Trichlorobenzene    | 12.574 | 180  | 39110    | 9.19  | ug/L   | 98       |
| 70) 1,2,4-trichlorobenzene    | 13.194 | 180  | 29218    | 8.15  | ug/L   | 97       |
| 71) Naphthalene               | 13.435 | 128  | 65157    | 6.70  | ug/L   | 97       |
| 72) 1,2,3-Trichlorobenzene    | 13.673 | 180  | 28055    | 7.98  | ug/L   | 94       |

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