

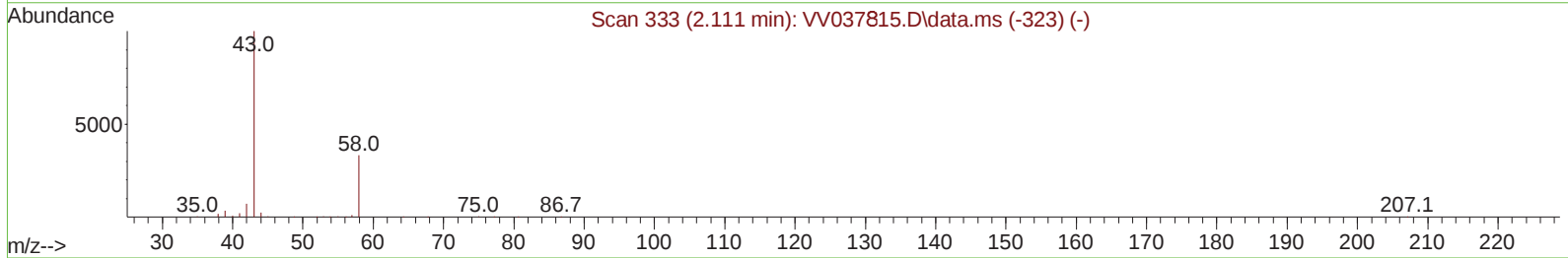
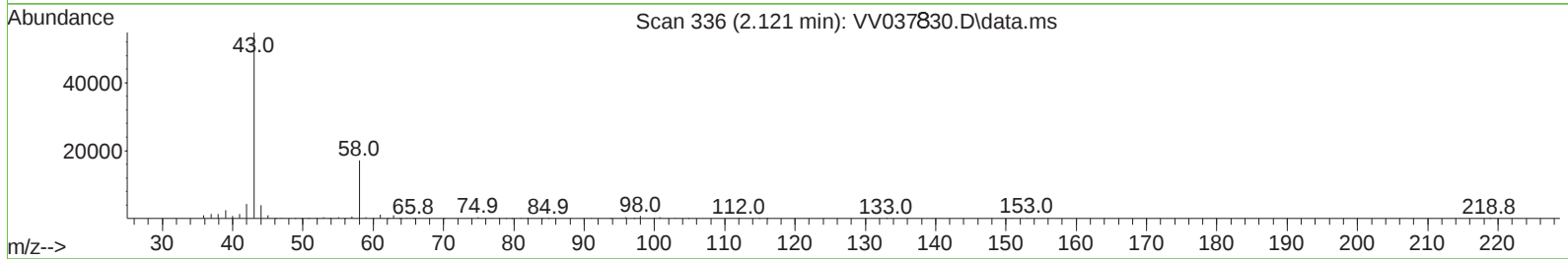
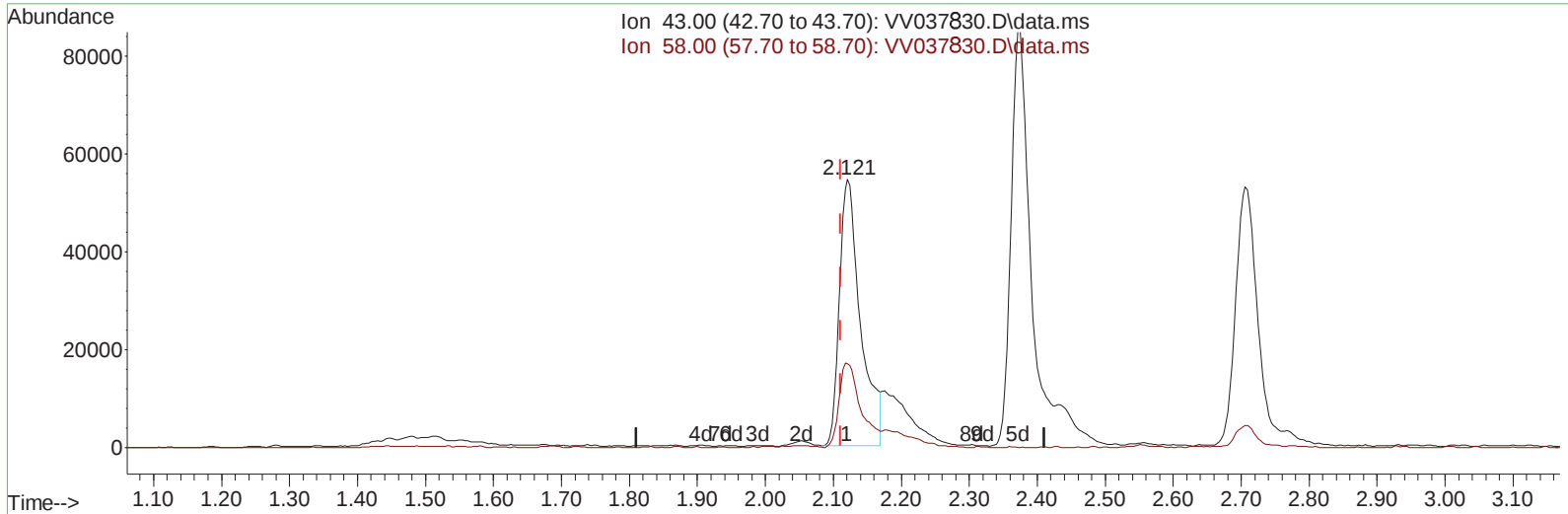
Data Path : Z:\voasrv\HPCHEM1\MSVOA\_V\DATA\VW101124\  
Data File : VV037830.D  
Acq On : 11 Oct 2024 14:49  
Operator : SY/MD  
Sample : P4346-09MEMSD  
Misc : 3.52G/5.0mL/100uL/5mL/MSVOA\_V/MEOH  
ALS Vial : 1 Sample Multiplier: 1

Instrument :  
MSVOA\_V  
ClientSampleId :  
EOAW9MEMSD

## Manual IntegrationsAPPROVED

Reviewed By :Semsettin Yesilyurt 10/14/2024  
Supervised By :Mahesh Dadoda 10/14/2024

Quant Time: Oct 14 06:18:54 2024  
Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_V\Method\SFAMVLM092624WMA.M  
Quant Title : VOC Analysis  
QLast Update : Mon Oct 14 06:04:26 2024  
Response via : Initial Calibration



TIC: VV037830.D\data.ms

## (13) Acetone (T)

2.121min (+ 0.009) 56.78 ug/L

response 117663

| Ion   | Exp%   | Act%   |
|-------|--------|--------|
| 43.00 | 100.00 | 100.00 |
| 58.00 | 33.30  | 33.52  |
| 0.00  | 0.00   | 0.00   |
| 0.00  | 0.00   | 0.00   |



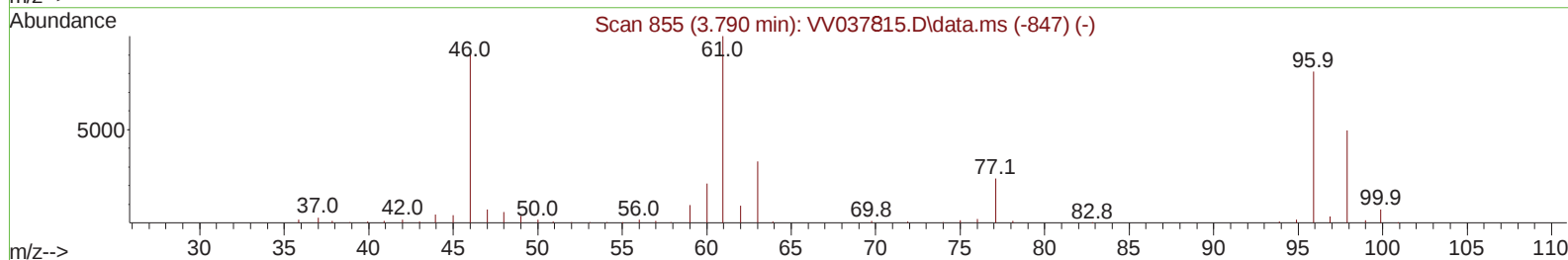
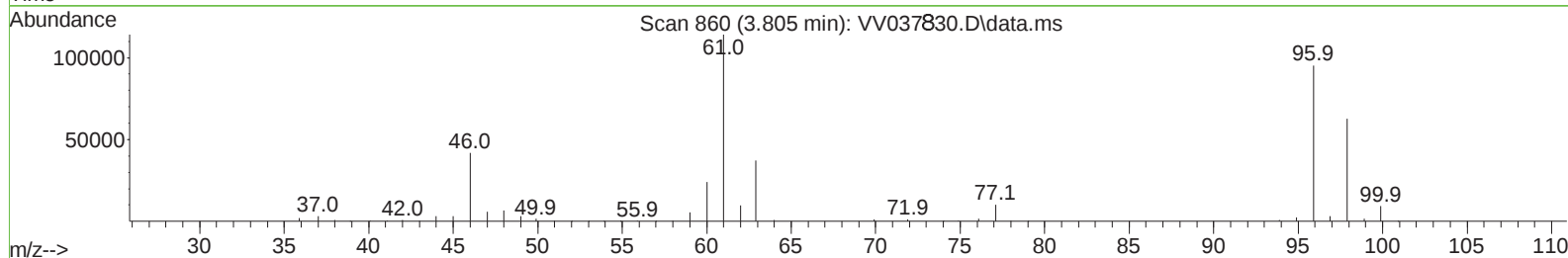
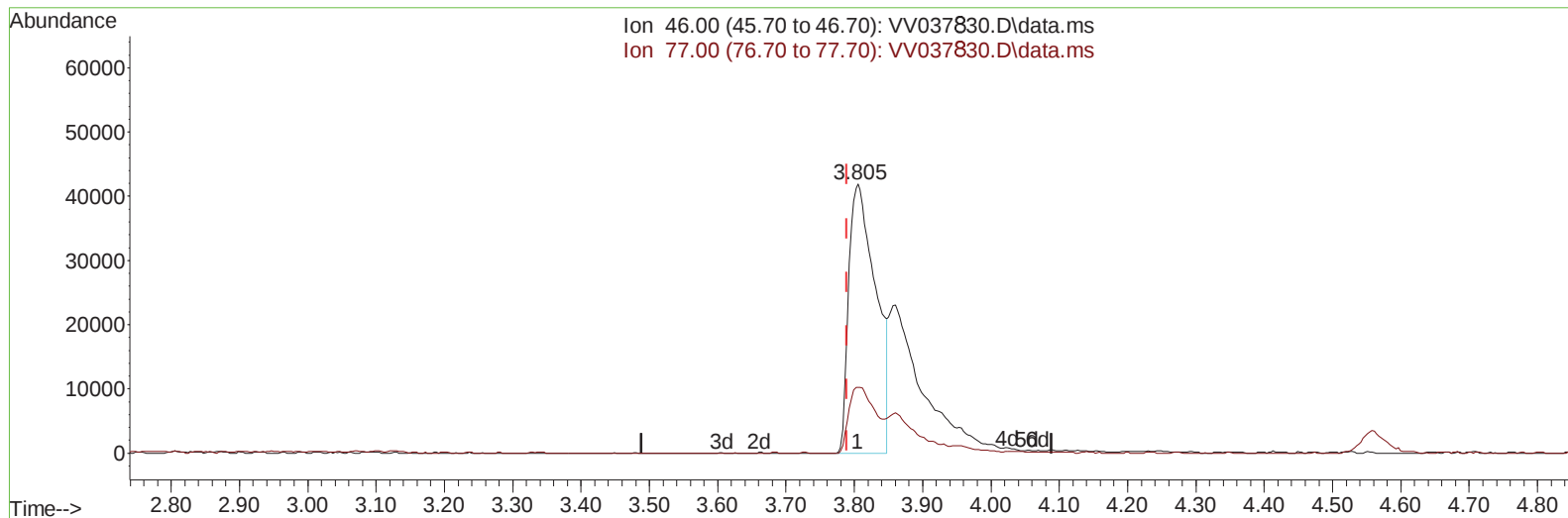
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## (21) 2-Butanone-d5 (S)

3.805min (+ 0.016) 54.49 ug/L

response 115183

| Ion   | Exp%   | Act%   |
|-------|--------|--------|
| 46.00 | 100.00 | 100.00 |
| 77.00 | 25.70  | 23.33  |
| 0.00  | 0.00   | 0.00   |
| 0.00  | 0.00   | 0.00   |

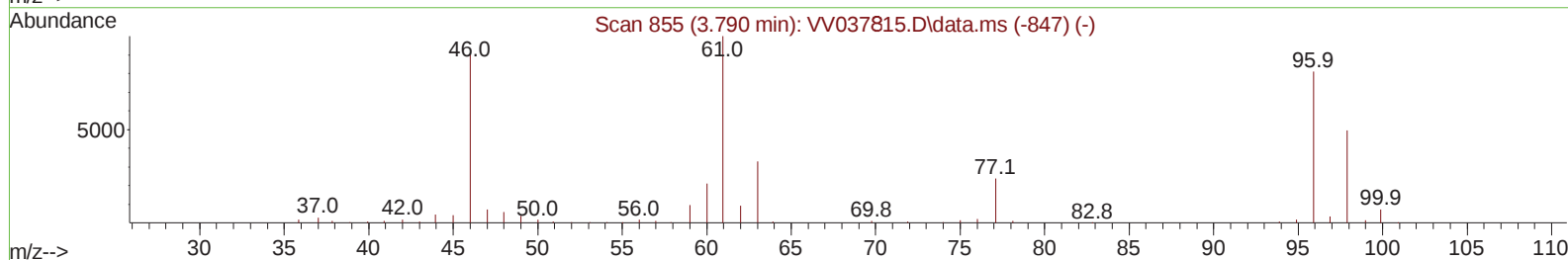
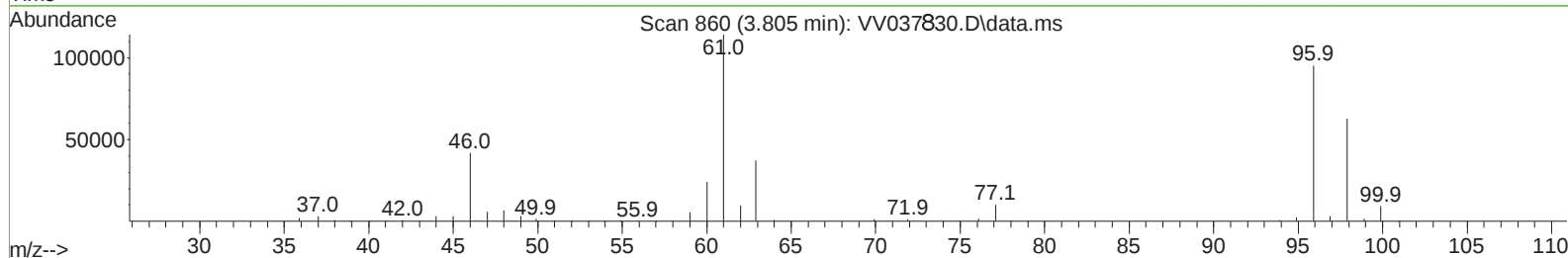
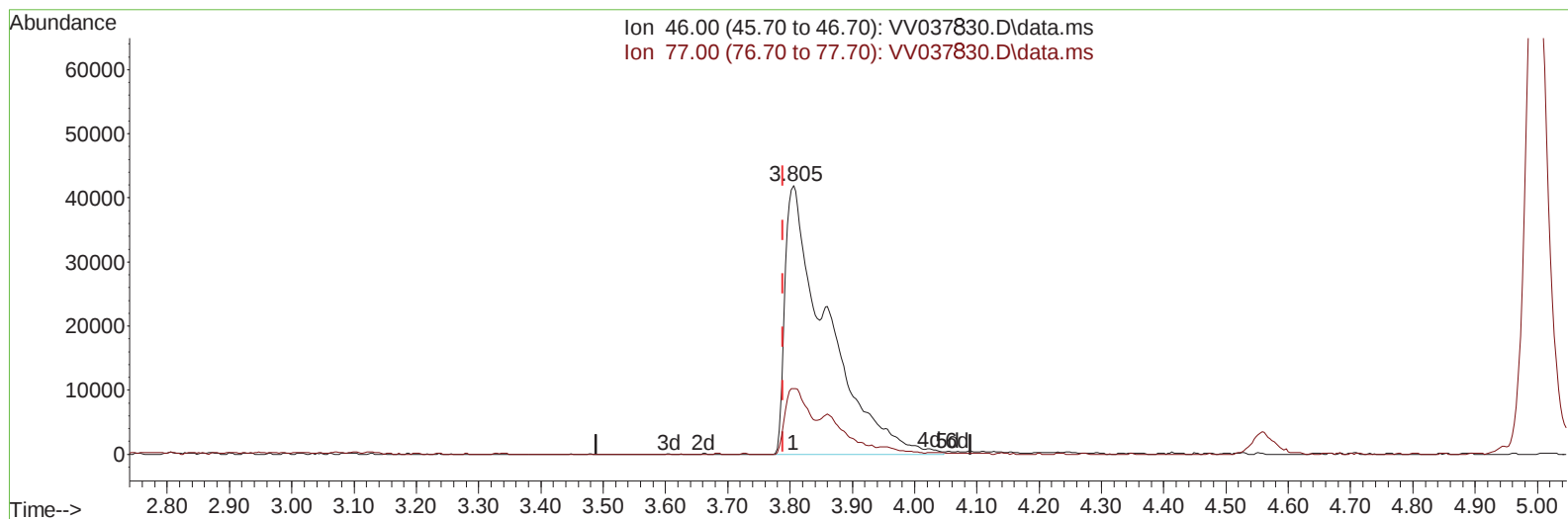
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TIC: VW037830.D\data.ms

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

3.805min (+ 0.016) 93.16 ug/L m

response 196930

| Ion   | Exp%   | Act%   |
|-------|--------|--------|
| 46.00 | 100.00 | 100.00 |
| 77.00 | 25.70  | 13.64# |
| 0.00  | 0.00   | 0.00   |
| 0.00  | 0.00   | 0.00   |



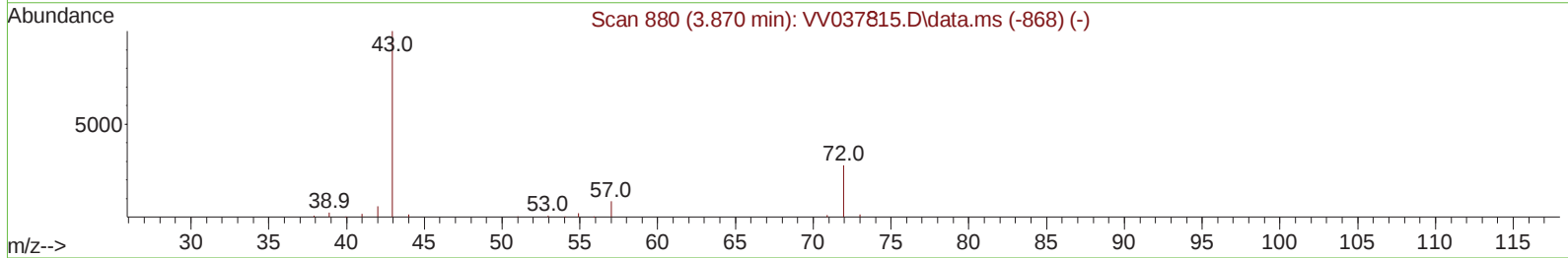
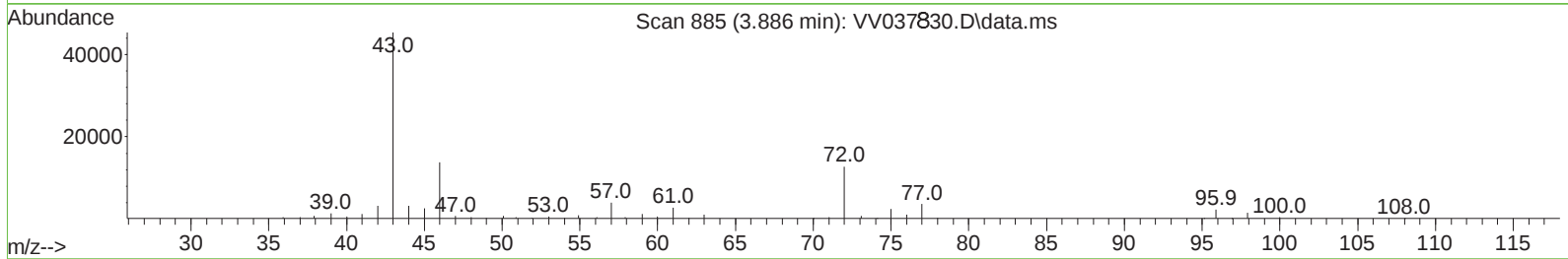
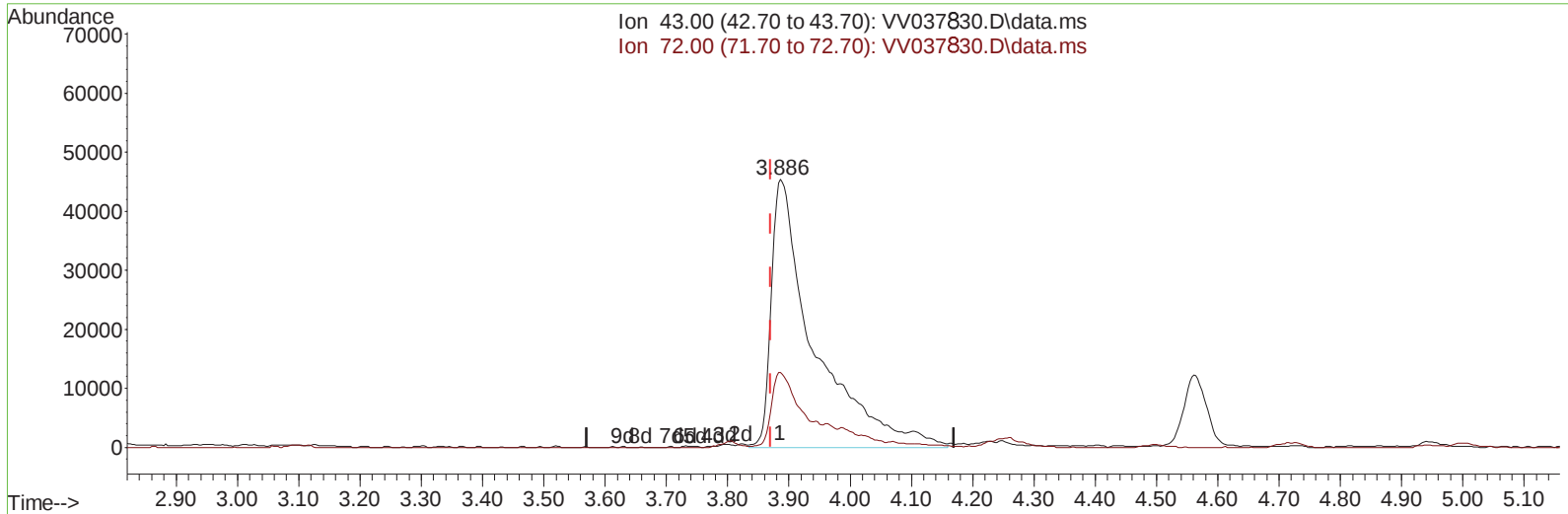
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TIC: VV037830.D\data.ms

## (22) 2-Butanone (T)

3.886min (+ 0.016) 96.43 ug/L m

response 221181

| Ion   | Exp%   | Act%   |
|-------|--------|--------|
| 43.00 | 100.00 | 100.00 |
| 72.00 | 28.60  | 16.68  |
| 0.00  | 0.00   | 0.00   |
| 0.00  | 0.00   | 0.00   |

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 Operator : SY/MD  
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 ALS Vial : 1 Sample Multiplier: 1

Instrument :  
 MSVOA\_V  
 ClientSampleId :  
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 Quant Title : VOC Analysis  
 QLast Update : Mon Oct 14 06:04:26 2024  
 Response via : Initial Calibration

| Compound                      | R.T.     | QIon  | Response | Conc    | Units    | Dev(Min) |
|-------------------------------|----------|-------|----------|---------|----------|----------|
| -----                         |          |       |          |         |          |          |
| Internal Standards            |          |       |          |         |          |          |
| 1) 1,4-Difluorobenzene        | 5.526    | 114   | 676057   | 50.000  | ug/L     | 0.00     |
| 28) Chlorobenzene-d5          | 8.780    | 117   | 659408   | 50.000  | ug/L     | 0.00     |
| 58) 1,4-Dichlorobenzene-d4    | 11.178   | 152   | 364572   | 50.000  | ug/L     | 0.00     |
| System Monitoring Compounds   |          |       |          |         |          |          |
| 4) Vinyl Chloride-d3          | 1.278    | 65    | 195919   | 33.012  | ug/L     | 0.00     |
| Spiked Amount 50.000          | Range 60 | - 135 | Recovery | =       | 66.020%  |          |
| 7) Chloroethane-d5            | 1.503    | 69    | 78068    | 16.947  | ug/L     | -0.03    |
| Spiked Amount 50.000          | Range 70 | - 130 | Recovery | =       | 33.900%# |          |
| 11) 1,1-Dichloroethene-d2     | 2.043    | 65    | 92776    | 37.418  | ug/L     | -0.02    |
| Spiked Amount 50.000          | Range 60 | - 125 | Recovery | =       | 74.840%  |          |
| 21) 2-Butanone-d5             | 3.805    | 46    | 196930m  | 93.163  | ug/L     | 0.02     |
| Spiked Amount 100.000         | Range 40 | - 130 | Recovery | =       | 93.160%  |          |
| 24) Chloroform-d              | 4.239    | 84    | 442277   | 41.888  | ug/L     | 0.00     |
| Spiked Amount 50.000          | Range 70 | - 125 | Recovery | =       | 83.780%  |          |
| 26) 1,2-Dichloroethane-d4     | 4.934    | 65    | 262301   | 42.442  | ug/L     | 0.00     |
| Spiked Amount 50.000          | Range 70 | - 125 | Recovery | =       | 84.880%  |          |
| 32) Benzene-d6                | 4.947    | 84    | 852414   | 41.311  | ug/L     | 0.00     |
| Spiked Amount 50.000          | Range 70 | - 125 | Recovery | =       | 82.620%  |          |
| 36) 1,2-Dichloropropane-d6    | 5.982    | 67    | 307959   | 46.870  | ug/L     | 0.00     |
| Spiked Amount 50.000          | Range 70 | - 120 | Recovery | =       | 93.740%  |          |
| 41) Toluene-d8                | 7.236    | 98    | 786436   | 42.032  | ug/L     | 0.00     |
| Spiked Amount 50.000          | Range 80 | - 120 | Recovery | =       | 84.060%  |          |
| 43) trans-1,3-Dichloroprop... | 7.548    | 79    | 127015   | 41.613  | ug/L     | 0.00     |
| Spiked Amount 50.000          | Range 60 | - 125 | Recovery | =       | 83.220%  |          |
| 47) 2-Hexanone-d5             | 8.030    | 63    | 140652   | 101.376 | ug/L     | 0.00     |
| Spiked Amount 100.000         | Range 45 | - 130 | Recovery | =       | 101.380% |          |
| 56) 1,1,2,2-Tetrachloroeth... | 10.146   | 84    | 343487   | 44.992  | ug/L     | 0.00     |
| Spiked Amount 50.000          | Range 65 | - 120 | Recovery | =       | 89.980%  |          |
| 66) 1,2-Dichlorobenzene-d4    | 11.554   | 152   | 325455   | 42.364  | ug/L     | 0.00     |
| Spiked Amount 50.000          | Range 80 | - 120 | Recovery | =       | 84.720%  |          |
| Target Compounds              |          |       |          |         |          |          |
|                               |          |       |          |         |          | Qvalue   |
| 2) Dichlorodifluoromethane    | 1.105    | 85    | 235655   | 40.946  | ug/L     | 99       |
| 3) Chloromethane              | 1.217    | 50    | 247183   | 44.239  | ug/L     | 100      |
| 5) Vinyl chloride             | 1.281    | 62    | 249086   | 41.582  | ug/L     | 100      |
| 6) Bromomethane               | 1.465    | 94    | 81593    | 24.544  | ug/L     | 99       |
| 8) Chloroethane               | 1.519    | 64    | 76163    | 20.629  | ug/L     | 98       |
| 9) Trichlorofluoromethane     | 1.687    | 101   | 361454   | 44.828  | ug/L     | 100      |
| 10) 1,1,2-Trichloro-1,2,2-... | 2.053    | 101   | 217215   | 45.081  | ug/L     | 99       |
| 12) 1,1-Dichloroethene        | 2.053    | 96    | 195255   | 43.382  | ug/L     | 89       |
| 13) Acetone                   | 2.121    | 43    | 155138m  | 74.866  | ug/L     |          |
| 14) Carbon disulfide          | 2.224    | 76    | 530519   | 37.762  | ug/L     | 100      |
| 15) Methyl Acetate            | 2.371    | 43    | 165844   | 45.861  | ug/L     | 100      |
| 16) Methylene chloride        | 2.436    | 84    | 223252   | 43.808  | ug/L     | 100      |
| 17) trans-1,2-Dichloroethene  | 2.680    | 96    | 205235   | 43.103  | ug/L     | 99       |
| 18) Methyl tert-butyl Ether   | 2.706    | 73    | 659626   | 48.286  | ug/L     | 99       |
| 19) 1,1-Dichloroethane        | 3.095    | 63    | 402840   | 44.157  | ug/L     | 99       |
| 20) cis-1,2-Dichloroethene    | 3.802    | 96    | 244203   | 45.831  | ug/L     | 97       |
| 22) 2-Butanone                | 3.886    | 43    | 221181m  | 96.435  | ug/L     |          |
| 23) Bromochloromethane        | 4.133    | 128   | 123189   | 44.695  | ug/L     | 98       |

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| Compound                      | R.T.   | QIon | Response | Conc    | Units | Dev(Min) |
|-------------------------------|--------|------|----------|---------|-------|----------|
| 25) Chloroform                | 4.265  | 83   | 436075   | 46.168  | ug/L  | 98       |
| 27) 1,2-Dichloroethane        | 5.034  | 62   | 305085   | 45.753  | ug/L  | 100      |
| 29) Cyclohexane               | 4.564  | 56   | 317981   | 42.472  | ug/L  | 100      |
| 30) 1,1,1-Trichloroethane     | 4.497  | 97   | 365202   | 44.967  | ug/L  | 99       |
| 31) Carbon tetrachloride      | 4.719  | 117  | 312355   | 44.237  | ug/L  | 99       |
| 33) Benzene                   | 4.998  | 78   | 901413   | 45.327  | ug/L  | 100      |
| 34) Trichloroethene           | 5.825  | 95   | 239150   | 45.156  | ug/L  | 98       |
| 35) Methylcyclohexane         | 6.037  | 83   | 354474   | 43.507  | ug/L  | 100      |
| 37) 1,2-Dichloropropane       | 6.085  | 63   | 238868   | 46.514  | ug/L  | 100      |
| 38) Bromodichloromethane      | 6.426  | 83   | 322020   | 46.908  | ug/L  | 98       |
| 39) cis-1,3-Dichloropropene   | 6.947  | 75   | 376620   | 45.943  | ug/L  | 100      |
| 40) 4-Methyl-2-pentanone      | 7.162  | 43   | 432840   | 103.519 | ug/L  | 98       |
| 42) Toluene                   | 7.307  | 91   | 964922   | 46.803  | ug/L  | 100      |
| 44) trans-1,3-Dichloropropene | 7.577  | 75   | 350257   | 47.459  | ug/L  | 100      |
| 45) 1,1,2-Trichloroethane     | 7.763  | 97   | 236067   | 47.874  | ug/L  | 99       |
| 46) Tetrachloroethene         | 7.895  | 164  | 180208   | 44.504  | ug/L  | 98       |
| 48) 2-Hexanone                | 8.082  | 43   | 305283   | 93.896  | ug/L  | 99       |
| 49) Dibromochloromethane      | 8.172  | 129  | 246116   | 47.159  | ug/L  | 99       |
| 50) 1,2-Dibromoethane         | 8.278  | 107  | 234514   | 46.009  | ug/L  | 99       |
| 51) Chlorobenzene             | 8.808  | 112  | 642551   | 45.746  | ug/L  | 99       |
| 52) Ethylbenzene              | 8.940  | 91   | 1072552  | 46.216  | ug/L  | 100      |
| 53) m,p-Xylene                | 9.066  | 106  | 416296   | 48.199  | ug/L  | 98       |
| 54) o-Xylene                  | 9.471  | 106  | 401287   | 47.590  | ug/L  | 96       |
| 55) Styrene                   | 9.490  | 104  | 725858   | 49.448  | ug/L  | 100      |
| 57) 1,1,2,2-Tetrachloroethane | 10.172 | 83   | 336743   | 48.982  | ug/L  | 99       |
| 59) Bromoform                 | 9.661  | 173  | 167751   | 47.078  | ug/L  | 97       |
| 60) Isopropylbenzene          | 9.860  | 105  | 1081932  | 45.647  | ug/L  | 99       |
| 61) 1,2,3-Trichloropropane    | 10.204 | 75   | 250415   | 48.271  | ug/L  | 99       |
| 62) 1,3,5-Trimethylbenzene    | 10.471 | 105  | 877845   | 46.845  | ug/L  | 99       |
| 63) 1,2,4-Trimethylbenzene    | 10.844 | 105  | 891293   | 47.803  | ug/L  | 100      |
| 64) 1,3-Dichlorobenzene       | 11.111 | 146  | 534996   | 46.894  | ug/L  | 99       |
| 65) 1,4-Dichlorobenzene       | 11.201 | 146  | 553953   | 46.630  | ug/L  | 99       |
| 67) 1,2-Dichlorobenzene       | 11.570 | 146  | 533527   | 47.306  | ug/L  | 100      |
| 68) 1,2-Dibromo-3-chloropr... | 12.358 | 75   | 59371    | 47.146  | ug/L  | 96       |
| 69) 1,3,5-Trichlorobenzene    | 12.574 | 180  | 374038   | 47.675  | ug/L  | 100      |
| 70) 1,2,4-trichlorobenzene    | 13.191 | 180  | 348703   | 47.905  | ug/L  | 100      |
| 71) Naphthalene               | 13.432 | 128  | 959621   | 50.459  | ug/L  | 100      |
| 72) 1,2,3-Trichlorobenzene    | 13.673 | 180  | 343262   | 47.753  | ug/L  | 98       |

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

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