

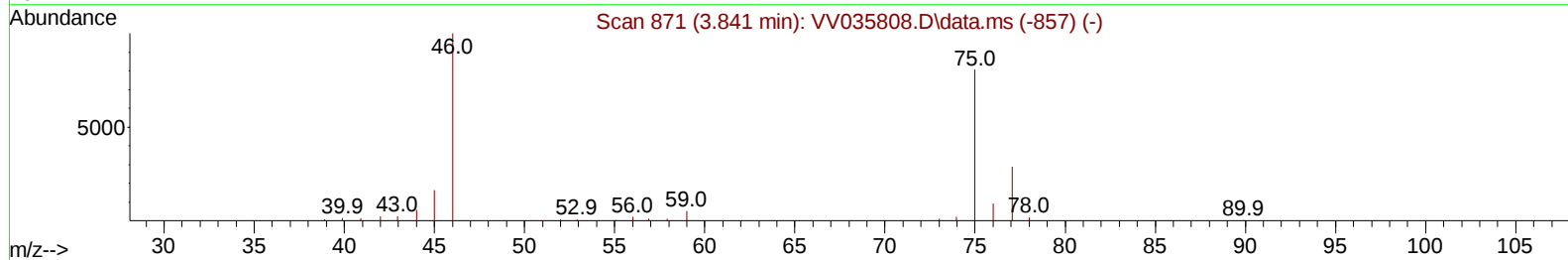
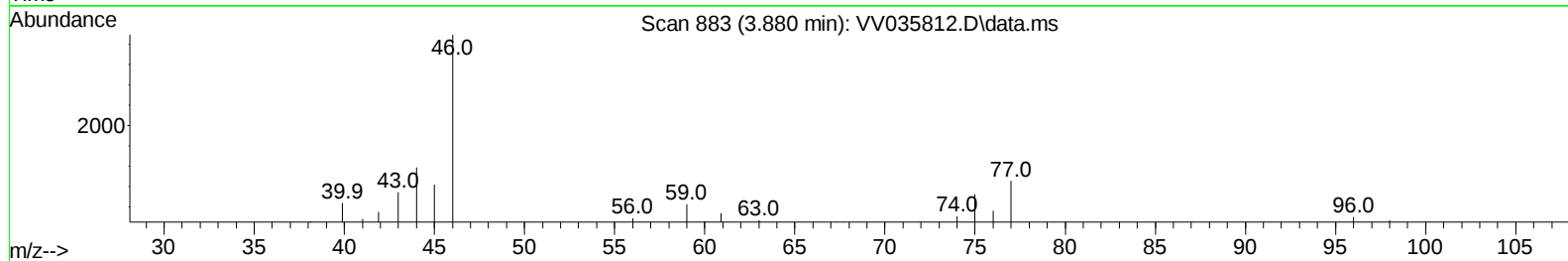
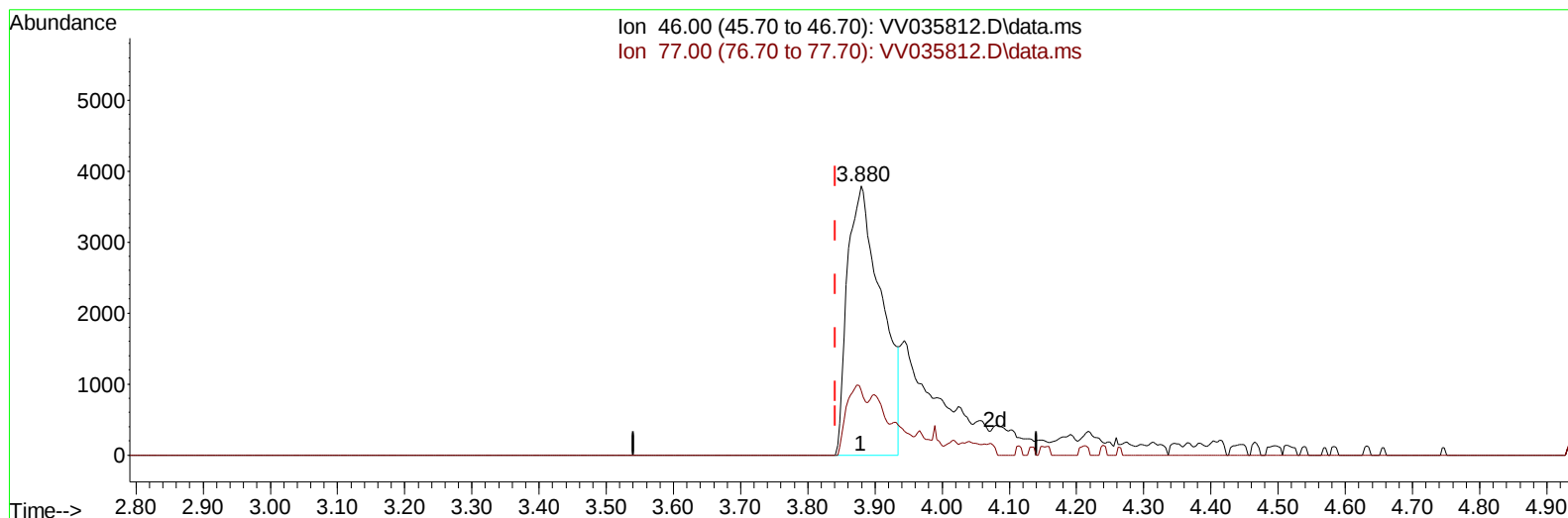
Data Path : Z:\voasrv\HPCHEM1\MSVOA\_V\Data\VV052524\  
Data File : VV035812.D  
Acq On : 25 May 2024 21:26  
Operator : SY/MD  
Sample : P2586-03  
Misc : 5.23g/10.0mL/MSVOA\_V/SOIL/A  
ALS Vial : 34 Sample Multiplier: 1

Instrument :  
MSVOA\_V  
ClientSampleId :  
A4D16

Manual IntegrationsAPPROVED

Quant Time: May 27 05:31:59 2024  
Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_V\Method\SFAMVLM050624SMA.M  
Quant Title : VOC Analysis  
QLast Update : Mon May 27 05:15:54 2024  
Response via : Initial Calibration

Reviewed By :Semsettin Yesilyurt 05/28/2024  
Supervised By :Mahesh Dadoda 05/28/2024



TIC: VV035812.D\data.ms

(21) 2-Butanone-d5 (S)

3.880min (+ 0.039) 6.45 ug/L

response 13283

| Ion   | Exp%   | Act%   |
|-------|--------|--------|
| 46.00 | 100.00 | 100.00 |
| 77.00 | 13.10  | 14.82  |
| 0.00  | 0.00   | 0.00   |
| 0.00  | 0.00   | 0.00   |

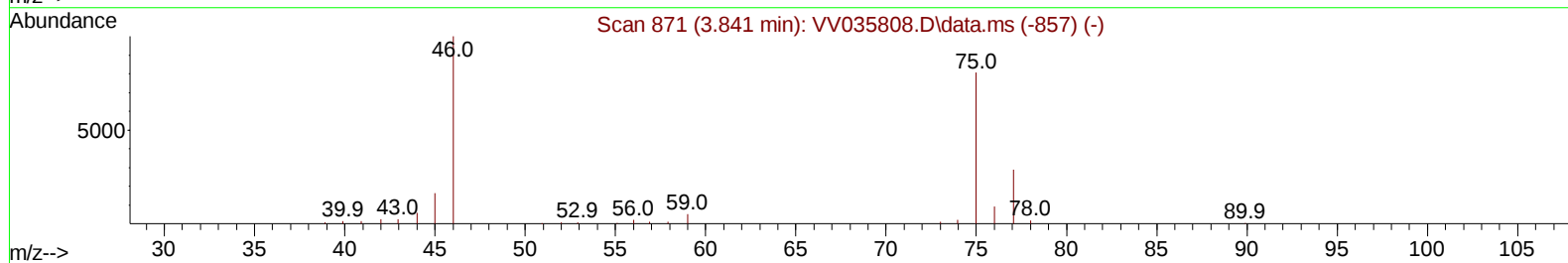
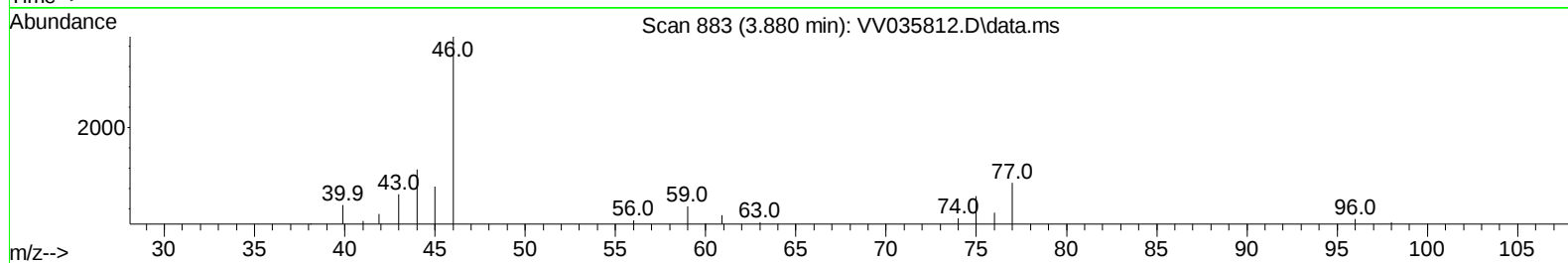
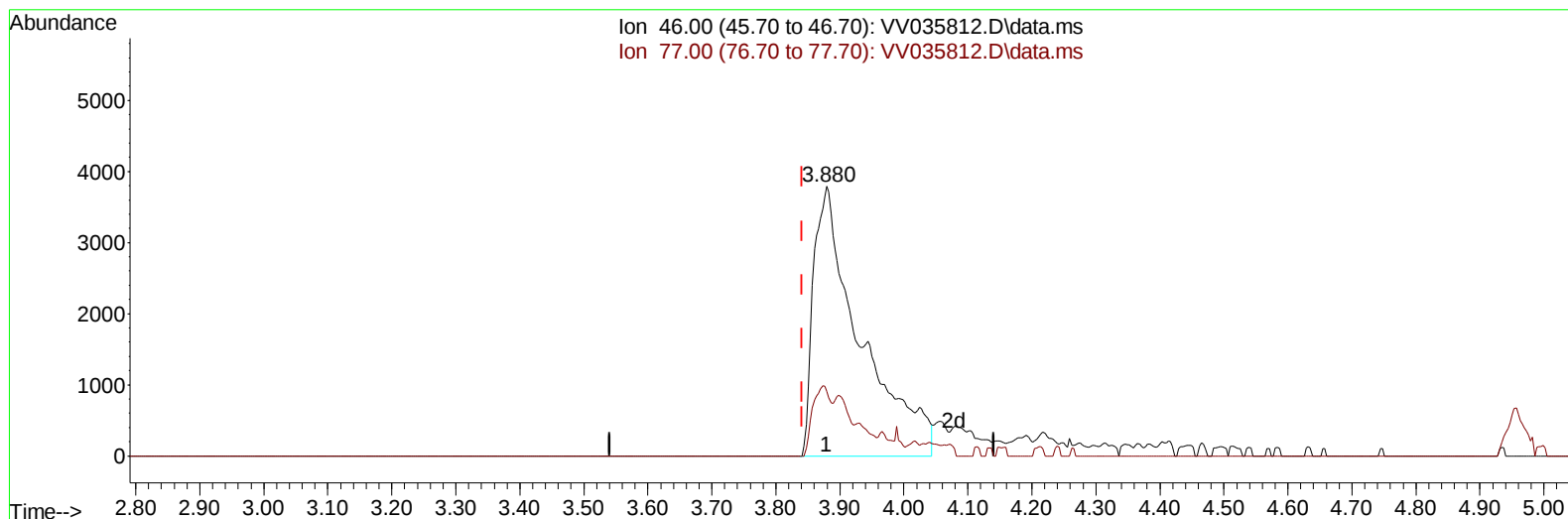
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Quant Title : VOC Analysis  
QLast Update : Mon May 27 05:15:54 2024  
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TIC: VV035812.D\data.ms

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

3.880min (+ 0.039) 9.30 ug/L m

response 19145

| Ion   | Exp%   | Act%   |
|-------|--------|--------|
| 46.00 | 100.00 | 100.00 |
| 77.00 | 13.10  | 10.28  |
| 0.00  | 0.00   | 0.00   |
| 0.00  | 0.00   | 0.00   |

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Instrument :  
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Manual IntegrationsAPPROVED

Quant Time: May 27 05:31:59 2024  
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 Quant Title : VOC Analysis  
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| Compound                      | R.T.     | QIon  | Response | Conc   | Units    | Dev(Min) |
|-------------------------------|----------|-------|----------|--------|----------|----------|
| Internal Standards            |          |       |          |        |          |          |
| 1) 1,4-Difluorobenzene        | 5.532    | 114   | 469370   | 25.000 | ug/L     | 0.00     |
| 28) Chlorobenzene-d5          | 8.783    | 117   | 397360   | 25.000 | ug/L     | 0.00     |
| 58) 1,4-Dichlorobenzene-d4    | 11.185   | 152   | 108327   | 25.000 | ug/L     | 0.00     |
| System Monitoring Compounds   |          |       |          |        |          |          |
| 4) Vinyl Chloride-d3          | 1.272    | 65    | 174282   | 24.023 | ug/L     | 0.00     |
| Spiked Amount 25.000          | Range 30 | - 150 | Recovery | =      | 96.080%  |          |
| 7) Chloroethane-d5            | 1.526    | 69    | 143041   | 24.441 | ug/L     | 0.00     |
| Spiked Amount 25.000          | Range 30 | - 150 | Recovery | =      | 97.760%  |          |
| 11) 1,1-Dichloroethene-d2     | 2.050    | 65    | 74372    | 23.156 | ug/L     | 0.00     |
| Spiked Amount 25.000          | Range 45 | - 110 | Recovery | =      | 92.640%  |          |
| 21) 2-Butanone-d5             | 3.880    | 46    | 19145m   | 9.299  | ug/L     | 0.04     |
| Spiked Amount 50.000          | Range 20 | - 135 | Recovery | =      | 18.600%# |          |
| 24) Chloroform-d              | 4.243    | 84    | 296913   | 21.278 | ug/L     | 0.00     |
| Spiked Amount 25.000          | Range 40 | - 150 | Recovery | =      | 85.120%  |          |
| 26) 1,2-Dichloroethane-d4     | 4.941    | 65    | 163451   | 23.694 | ug/L     | 0.00     |
| Spiked Amount 25.000          | Range 70 | - 130 | Recovery | =      | 94.760%  |          |
| 32) Benzene-d6                | 4.957    | 84    | 565586   | 26.002 | ug/L     | 0.00     |
| Spiked Amount 25.000          | Range 20 | - 135 | Recovery | =      | 104.000% |          |
| 36) 1,2-Dichloropropane-d6    | 5.986    | 67    | 182749   | 27.225 | ug/L     | 0.00     |
| Spiked Amount 25.000          | Range 70 | - 120 | Recovery | =      | 108.880% |          |
| 41) Toluene-d8                | 7.243    | 98    | 404668   | 20.904 | ug/L     | 0.00     |
| Spiked Amount 25.000          | Range 30 | - 130 | Recovery | =      | 83.600%  |          |
| 43) trans-1,3-Dichloroprop... | 7.561    | 79    | 33859    | 11.794 | ug/L     | 0.00     |
| Spiked Amount 25.000          | Range 30 | - 135 | Recovery | =      | 47.160%  |          |
| 47) 2-Hexanone-d5             | 8.040    | 63    | 12390    | 10.265 | ug/L     | 0.00     |
| Spiked Amount 50.000          | Range 20 | - 135 | Recovery | =      | 20.520%  |          |
| 56) 1,1,2,2-Tetrachloroeth... | 10.153   | 84    | 101762   | 15.732 | ug/L     | 0.00     |
| Spiked Amount 25.000          | Range 45 | - 120 | Recovery | =      | 62.920%  |          |
| 66) 1,2-Dichlorobenzene-d4    | 11.561   | 152   | 68632    | 18.256 | ug/L     | 0.00     |
| Spiked Amount 25.000          | Range 75 | - 120 | Recovery | =      | 73.040%# |          |
| Target Compounds              |          |       |          |        |          |          |
|                               |          |       |          |        | Qvalue   |          |
| 34) Trichloroethene           | 5.844    | 95    | 6863     | 0.923  | ug/L     | 95       |
| 46) Tetrachloroethene         | 7.908    | 164   | 12054    | 1.995  | ug/L     | 97       |

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

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