

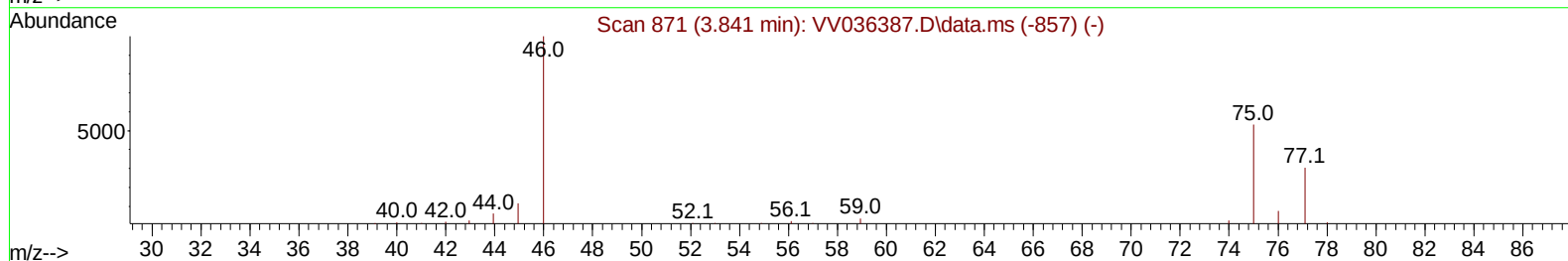
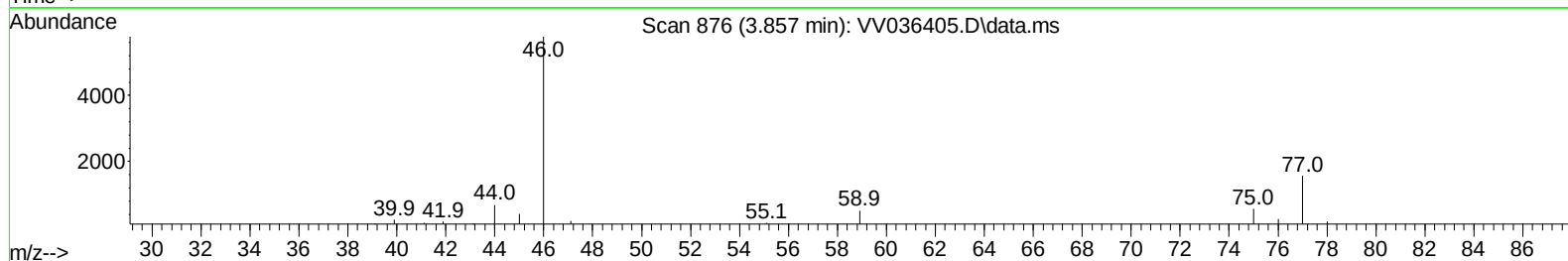
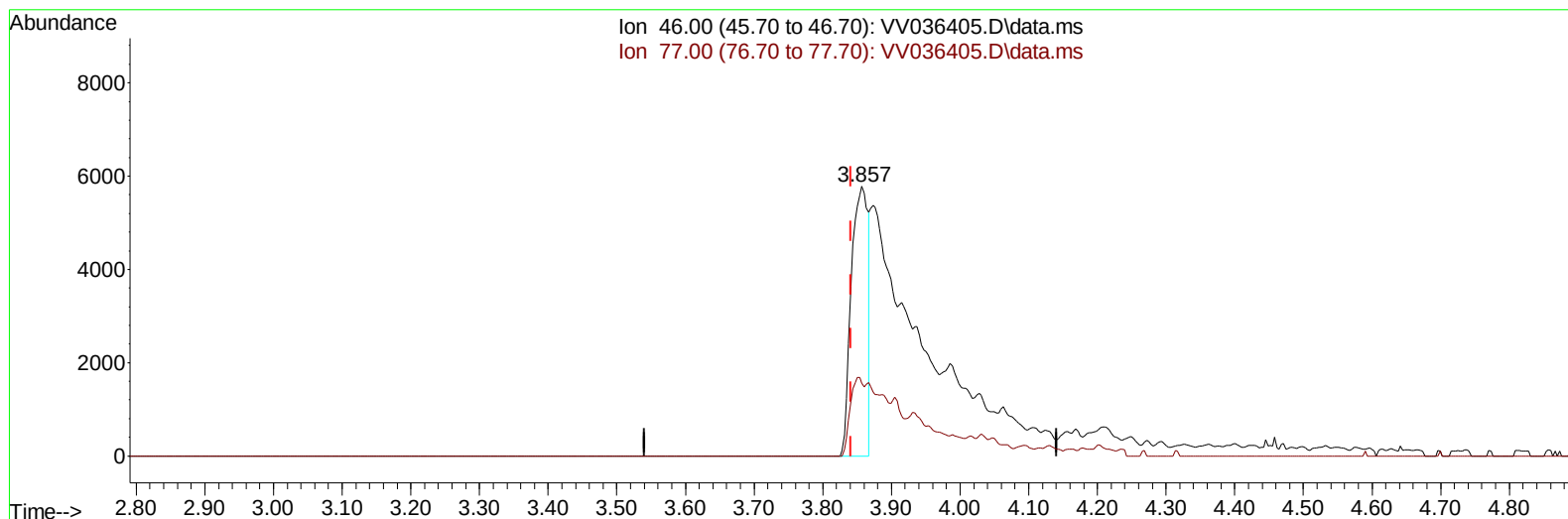
Data Path : Z:\voasrv\HPCHEM1\MSVOA\_V\Data\VV070124\  
Data File : VV036405.D  
Acq On : 02 Jul 2024 03:42  
Operator : SY/MD  
Sample : P3087-24  
Misc : 4.77g/10.0mL/MSVOA\_V/SOIL/A  
ALS Vial : 49 Sample Multiplier: 1

Instrument :  
MSVOA\_V  
ClientSampleId :  
A4CZ6

Manual IntegrationsAPPROVED

Quant Time: Jul 02 05:29:09 2024  
Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_V\Method\SFAMVLM062724SMA.M  
Quant Title : VOC Analysis  
QLast Update : Tue Jul 02 05:19:46 2024  
Response via : Initial Calibration

Reviewed By :Mahesh Dadoda 07/05/2024  
Supervised By :Semsettin Yesilyurt 07/05/2024



TIC: VV036405.D\data.ms

(21) 2-Butanone-d5 (S)

3.857min (+ 0.016) 4.16 ug/L

response 9711

| Ion   | Exp%   | Act%   |
|-------|--------|--------|
| 46.00 | 100.00 | 100.00 |
| 77.00 | 34.00  | 23.61# |
| 0.00  | 0.00   | 0.00   |
| 0.00  | 0.00   | 0.00   |

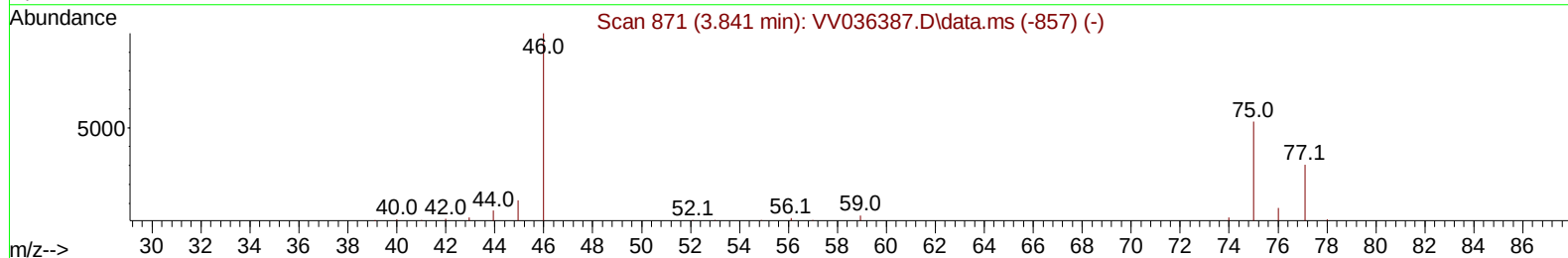
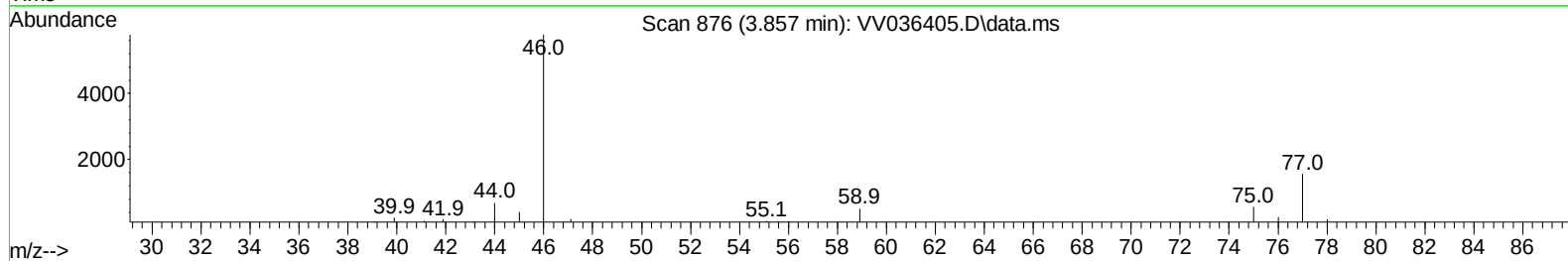
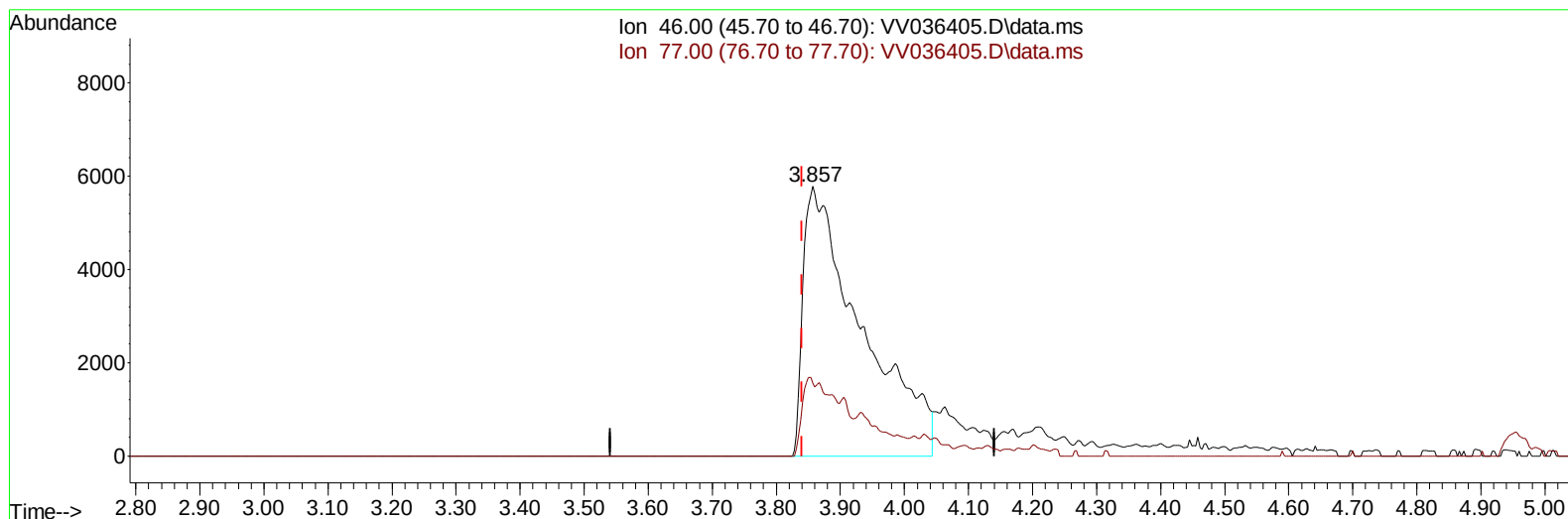
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TIC: VV036405.D\data.ms

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

**3.857min (+ 0.016) 15.60 ug/L m**

**response 36419**

| Ion   | Exp%   | Act%   |
|-------|--------|--------|
| 46.00 | 100.00 | 100.00 |
| 77.00 | 34.00  | 6.30#  |
| 0.00  | 0.00   | 0.00   |
| 0.00  | 0.00   | 0.00   |

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Manual IntegrationsAPPROVED

Quant Time: Jul 02 05:29:09 2024  
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| Compound                      | R.T.     | Q     | Ion | Response   | Conc    | Units | Dev(Min) |
|-------------------------------|----------|-------|-----|------------|---------|-------|----------|
| -----                         |          |       |     |            |         |       |          |
| Internal Standards            |          |       |     |            |         |       |          |
| 1) 1,4-Difluorobenzene        | 5.529    | 114   |     | 592309     | 25.000  | ug/L  | 0.00     |
| 28) Chlorobenzene-d5          | 8.780    | 117   |     | 564099     | 25.000  | ug/L  | 0.00     |
| 58) 1,4-Dichlorobenzene-d4    | 11.181   | 152   |     | 229102     | 25.000  | ug/L  | 0.00     |
| System Monitoring Compounds   |          |       |     |            |         |       |          |
| 4) Vinyl Chloride-d3          | 1.272    | 65    |     | 138658     | 13.784  | ug/L  | 0.00     |
| Spiked Amount 25.000          | Range 30 | - 150 |     | Recovery = | 55.120% |       |          |
| 7) Chloroethane-d5            | 1.526    | 69    |     | 130763     | 16.275  | ug/L  | 0.00     |
| Spiked Amount 25.000          | Range 30 | - 150 |     | Recovery = | 65.080% |       |          |
| 11) 1,1-Dichloroethene-d2     | 2.050    | 65    |     | 65590      | 13.870  | ug/L  | 0.00     |
| Spiked Amount 25.000          | Range 45 | - 110 |     | Recovery = | 55.480% |       |          |
| 21) 2-Butanone-d5             | 3.857    | 46    |     | 36419m     | 15.599  | ug/L  | 0.02     |
| Spiked Amount 50.000          | Range 20 | - 135 |     | Recovery = | 31.200% |       |          |
| 24) Chloroform-d              | 4.240    | 84    |     | 312440     | 17.870  | ug/L  | 0.00     |
| Spiked Amount 25.000          | Range 40 | - 150 |     | Recovery = | 71.480% |       |          |
| 26) 1,2-Dichloroethane-d4     | 4.937    | 65    |     | 166394     | 17.846  | ug/L  | 0.00     |
| Spiked Amount 25.000          | Range 70 | - 130 |     | Recovery = | 71.400% |       |          |
| 32) Benzene-d6                | 4.953    | 84    |     | 572934     | 17.992  | ug/L  | 0.00     |
| Spiked Amount 25.000          | Range 20 | - 135 |     | Recovery = | 71.960% |       |          |
| 36) 1,2-Dichloropropane-d6    | 5.982    | 67    |     | 188951     | 19.727  | ug/L  | 0.00     |
| Spiked Amount 25.000          | Range 70 | - 120 |     | Recovery = | 78.920% |       |          |
| 41) Toluene-d8                | 7.239    | 98    |     | 475727     | 16.570  | ug/L  | 0.00     |
| Spiked Amount 25.000          | Range 30 | - 130 |     | Recovery = | 66.280% |       |          |
| 43) trans-1,3-Dichloroprop... | 7.551    | 79    |     | 55841      | 13.055  | ug/L  | 0.00     |
| Spiked Amount 25.000          | Range 30 | - 135 |     | Recovery = | 52.240% |       |          |
| 47) 2-Hexanone-d5             | 8.034    | 63    |     | 17449      | 11.413  | ug/L  | 0.00     |
| Spiked Amount 50.000          | Range 20 | - 135 |     | Recovery = | 22.820% |       |          |
| 56) 1,1,2,2-Tetrachloroeth... | 10.149   | 84    |     | 132063     | 16.820  | ug/L  | 0.00     |
| Spiked Amount 25.000          | Range 45 | - 120 |     | Recovery = | 67.280% |       |          |
| 66) 1,2-Dichlorobenzene-d4    | 11.558   | 152   |     | 163444     | 19.577  | ug/L  | 0.00     |
| Spiked Amount 25.000          | Range 75 | - 120 |     | Recovery = | 78.320% |       |          |

Target Compounds Qvalue

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

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