

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_V\Data\VV070124\  
Data File : VV036361.D  
Acq On : 01 Jul 2024 09:37  
Operator : SY/MD  
Sample : VSTDCCC025  
Misc : 5.00g/10.0mL/MSVOA\_V/SOIL  
ALS Vial : 2 Sample Multiplier: 1

Instrument :  
MSVOA\_V  
LabSampleId :  
VSTDCCC025

## Manual IntegrationsAPPROVED

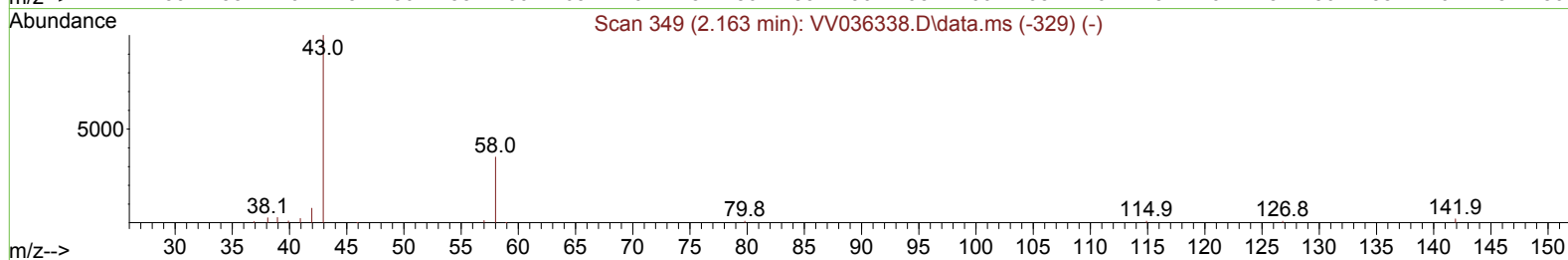
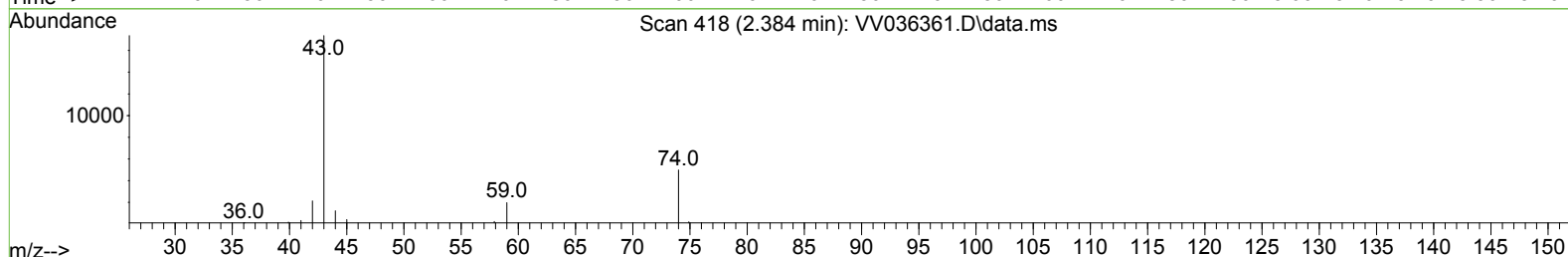
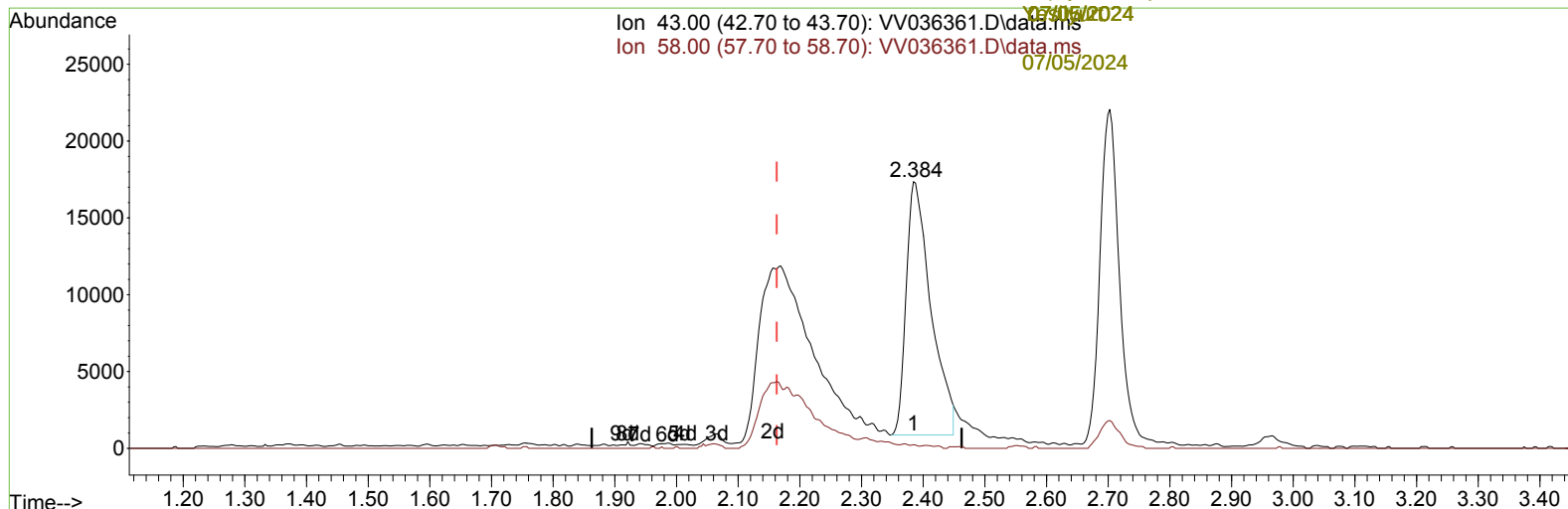
Reviewed By :Mahesh Dadoda 07/05/2024  
Supervised By :Semsettin Yesilyurt 07/05/2024

Supervised By :Semsettin

Supervised By :Semsettin

07/05/2024

Quant Time: Jul 02 02:21:40 2024  
Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_V\Method\SFAMVLM062724SMA.M  
Quant Title : VOC Analysis  
QLast Update : Fri Jun 28 23:33:02 2024  
Response via : Initial Calibration



TIC: VV036361.D\data.ms

(13) Acetone (T)

2.384min (+ 0.222) 30.04 ug/L

response 45822

| Ion   | Exp%   | Act%   |
|-------|--------|--------|
| 43.00 | 100.00 | 100.00 |
| 58.00 | 0.30   | 0.11   |
| 0.00  | 0.00   | 0.00   |
| 0.00  | 0.00   | 0.00   |

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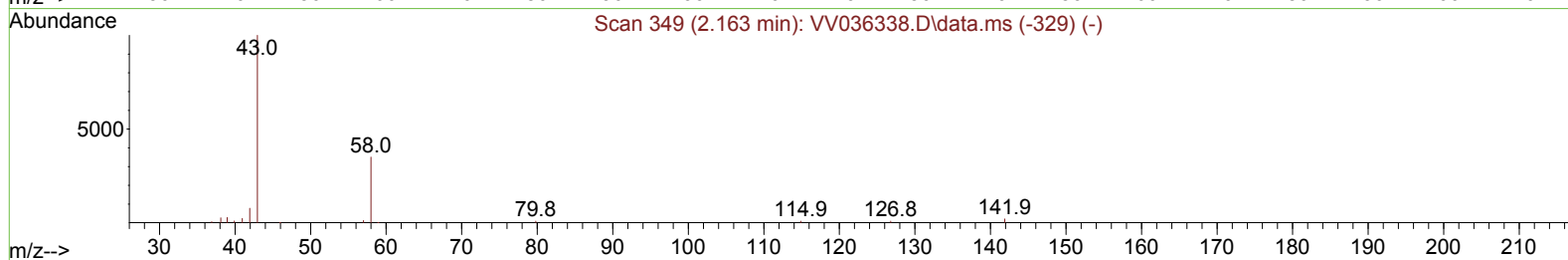
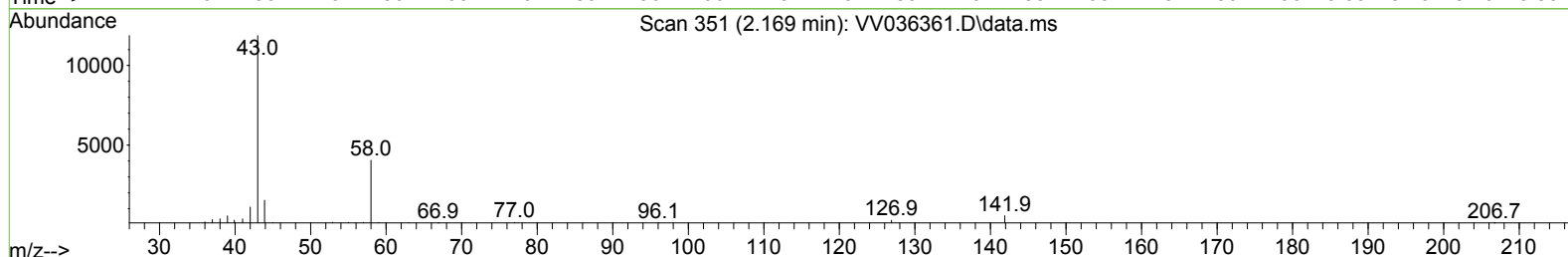
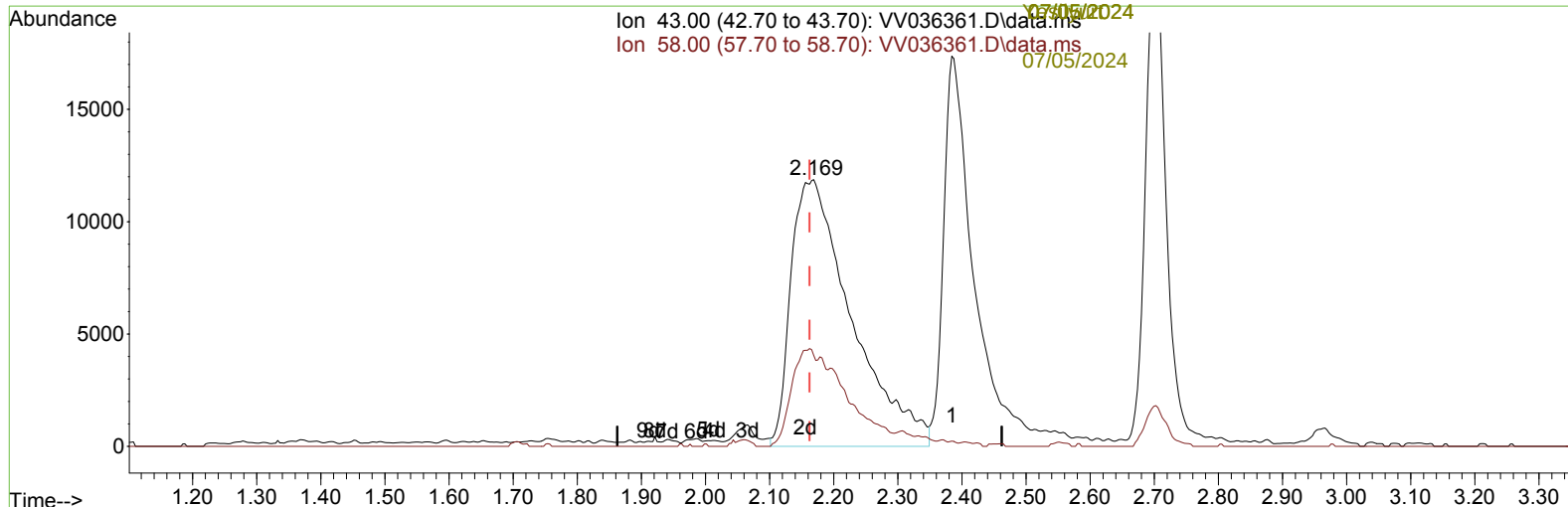
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(13) Acetone (T)

2.169min (+ 0.006) 51.06 ug/L m

response 77880

| Ion   | Exp%   | Act%   |
|-------|--------|--------|
| 43.00 | 100.00 | 100.00 |
| 58.00 | 0.30   | 0.07   |
| 0.00  | 0.00   | 0.00   |
| 0.00  | 0.00   | 0.00   |

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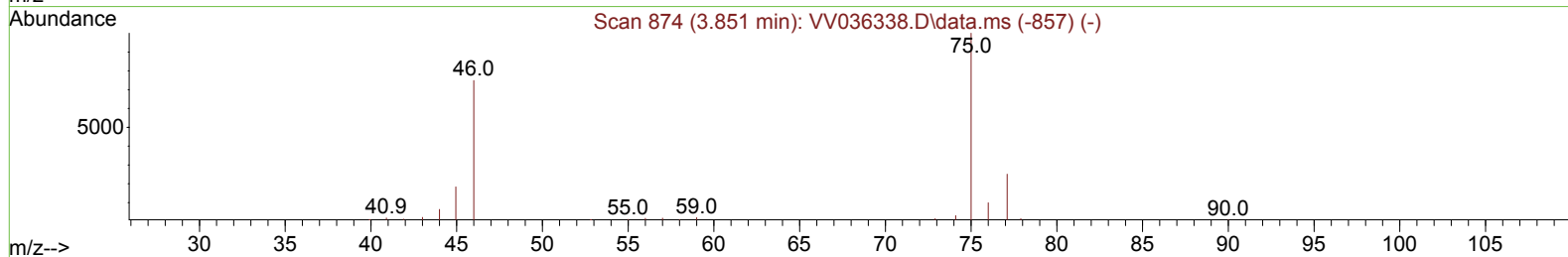
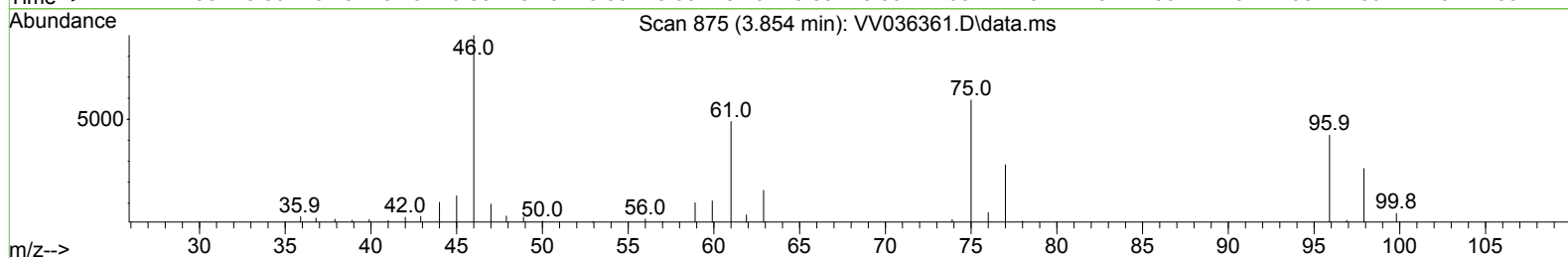
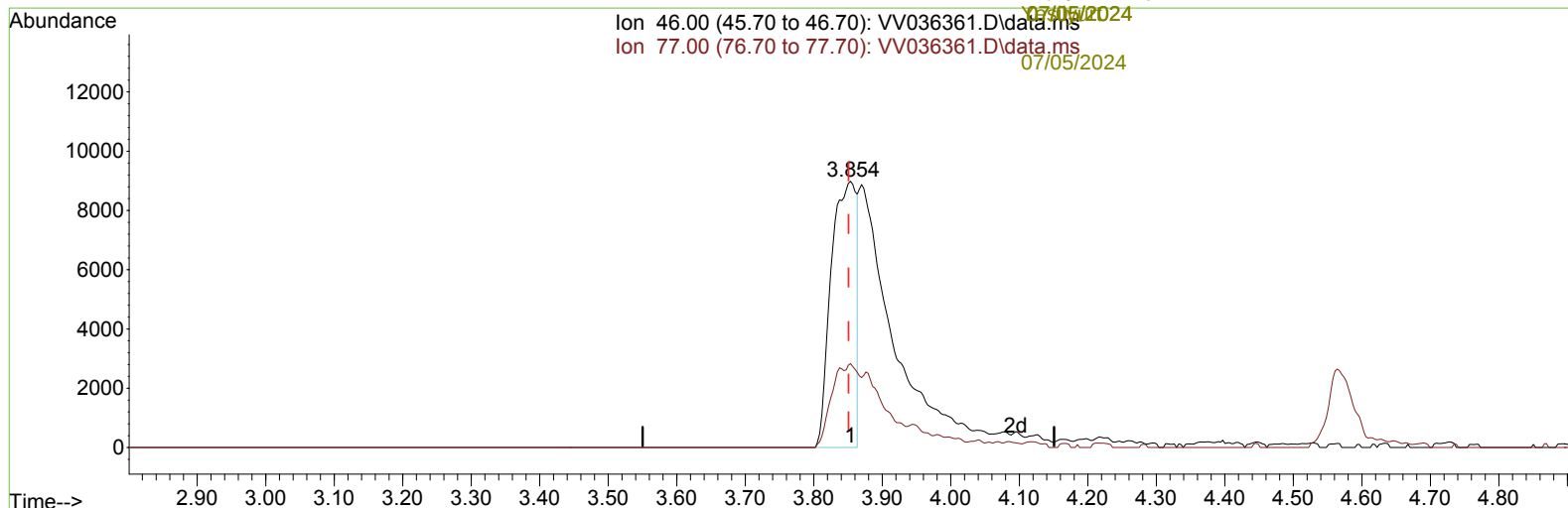
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(21) 2-Butanone-d5 (S)

3.854min (+ 0.003) 20.26 ug/L

response 22879

| Ion   | Exp%   | Act%   |
|-------|--------|--------|
| 46.00 | 100.00 | 100.00 |
| 77.00 | 34.00  | 16.94# |
| 0.00  | 0.00   | 0.00   |
| 0.00  | 0.00   | 0.00   |

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MSVOA\_V  
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## Manual IntegrationsAPPROVED

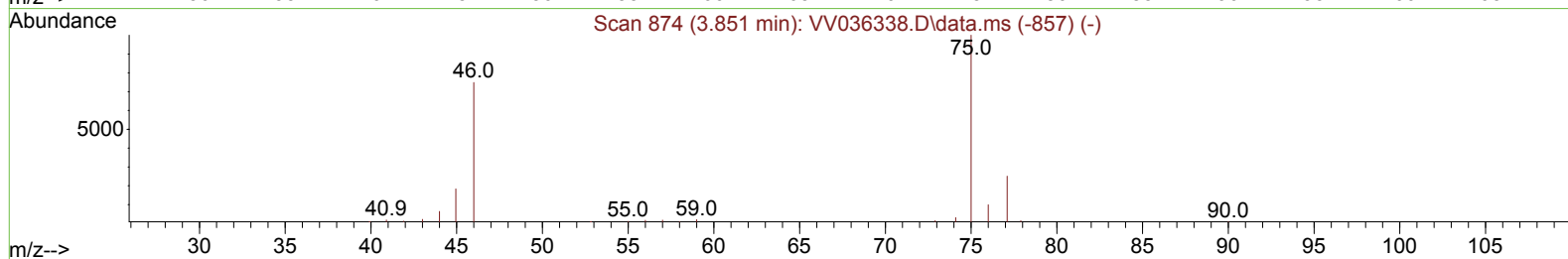
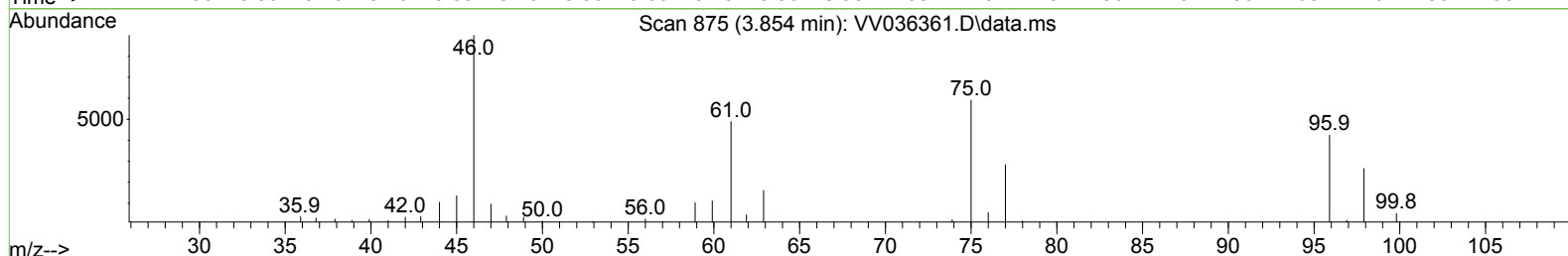
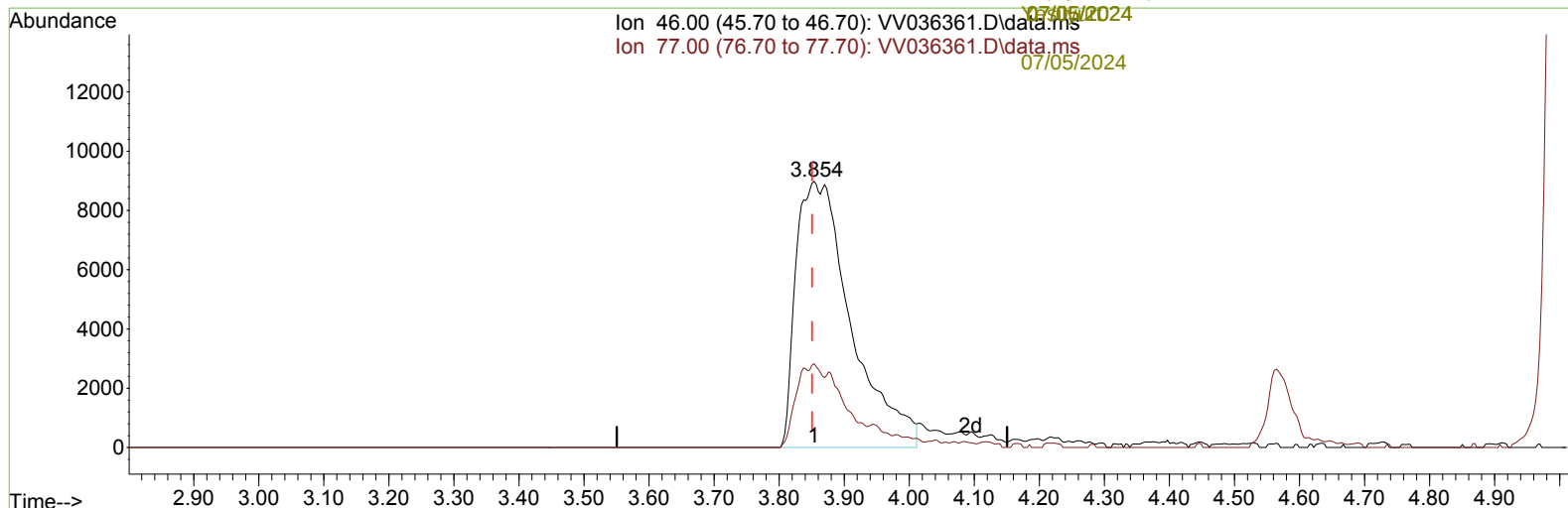
Reviewed By :Mahesh Dadoda 07/05/2024  
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TIC: VV036361.D\data.ms

(21) 2-Butanone-d5 (S)

3.854min (+ 0.003) 46.73 ug/L m

response 52756

| Ion   | Exp%   | Act%   |
|-------|--------|--------|
| 46.00 | 100.00 | 100.00 |
| 77.00 | 34.00  | 7.35#  |
| 0.00  | 0.00   | 0.00   |
| 0.00  | 0.00   | 0.00   |

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LabSampleId :  
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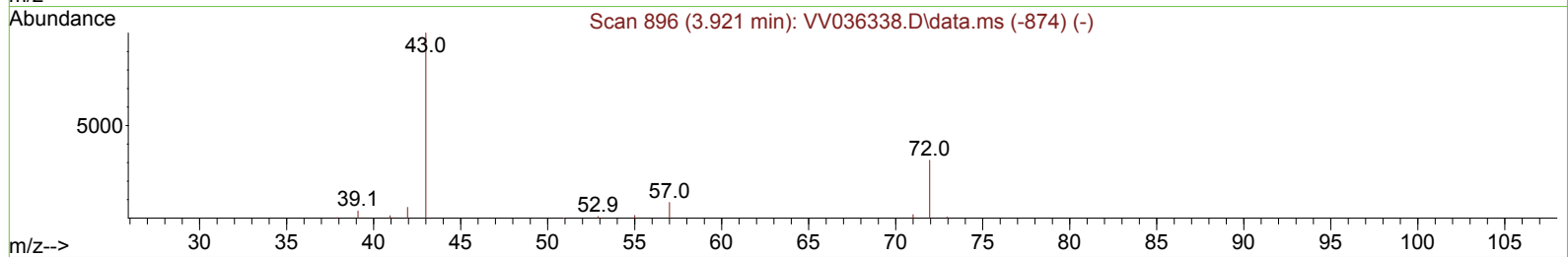
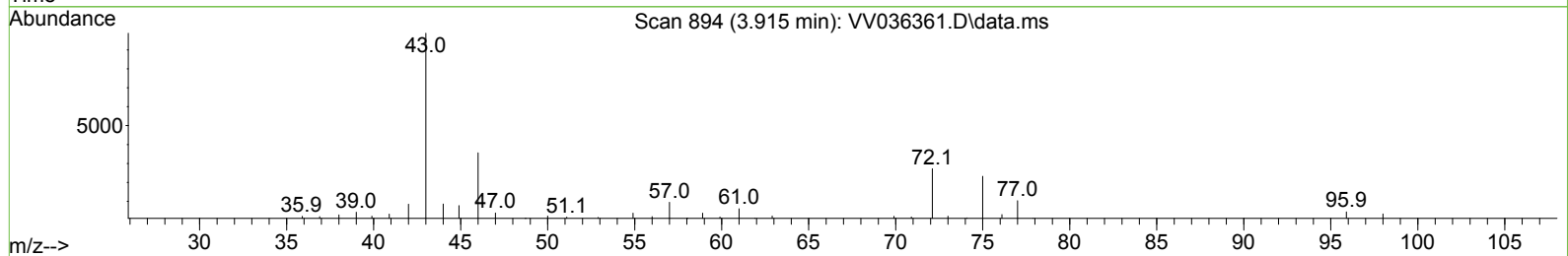
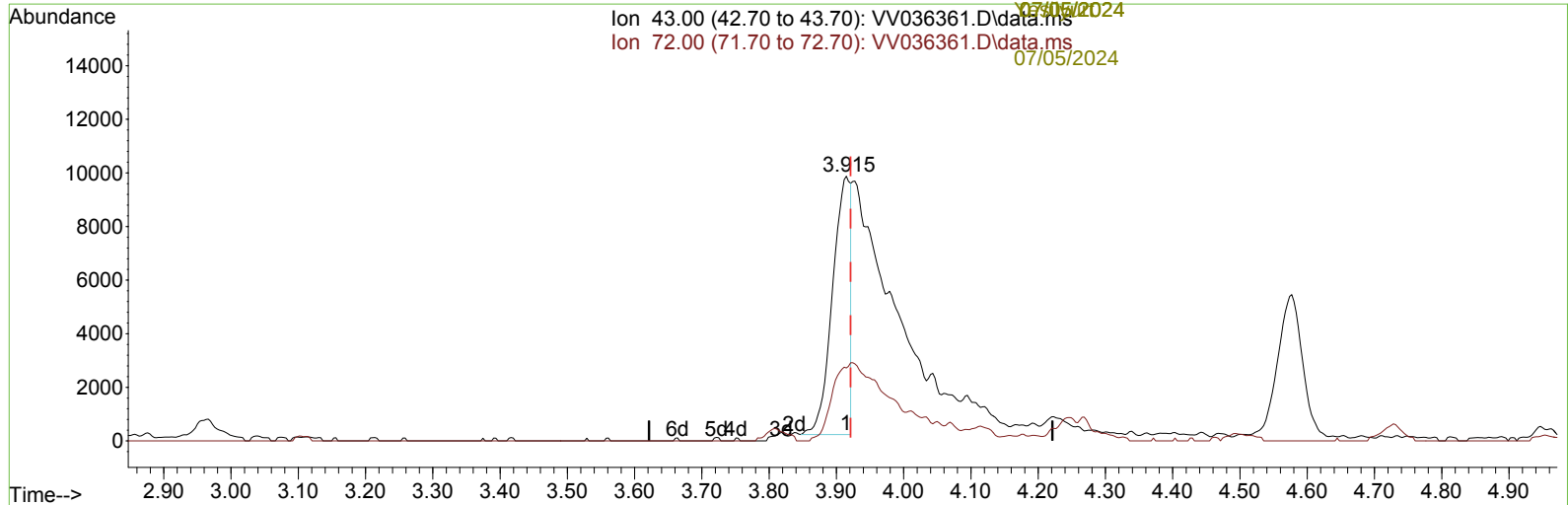
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Ion 43.00 (42.70 to 43.70): VV036361.D\data.ms  
Ion 72.00 (71.70 to 72.70): VV036361.D\data.ms  
07/05/2024



TIC: VV036361.D\data.ms

## (22) 2-Butanone (T)

3.915min (-0.007) 14.04 ug/L

response 18053

| Ion   | Exp%   | Act%   |
|-------|--------|--------|
| 43.00 | 100.00 | 100.00 |
| 72.00 | 25.80  | 84.53# |
| 0.00  | 0.00   | 0.00   |
| 0.00  | 0.00   | 0.00   |

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LabSampleId :  
VSTDCCC025

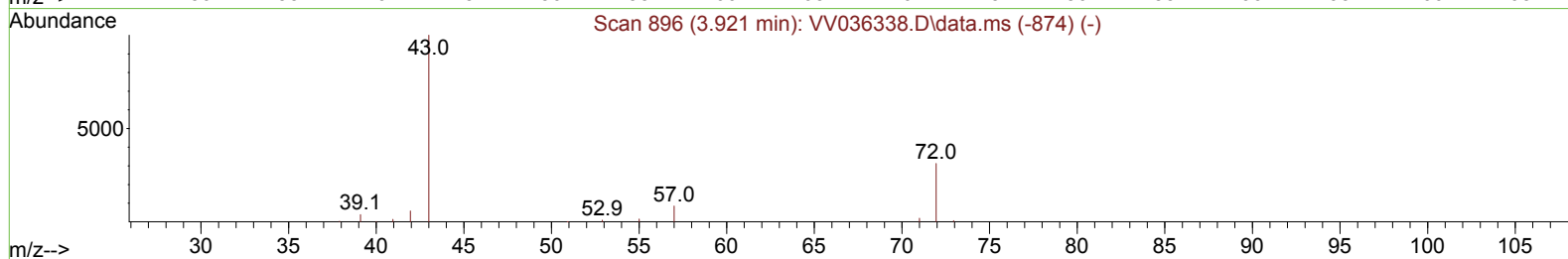
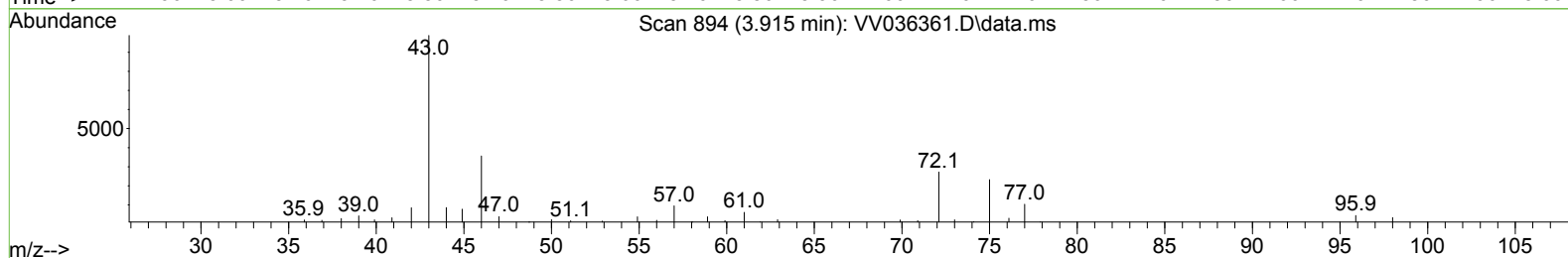
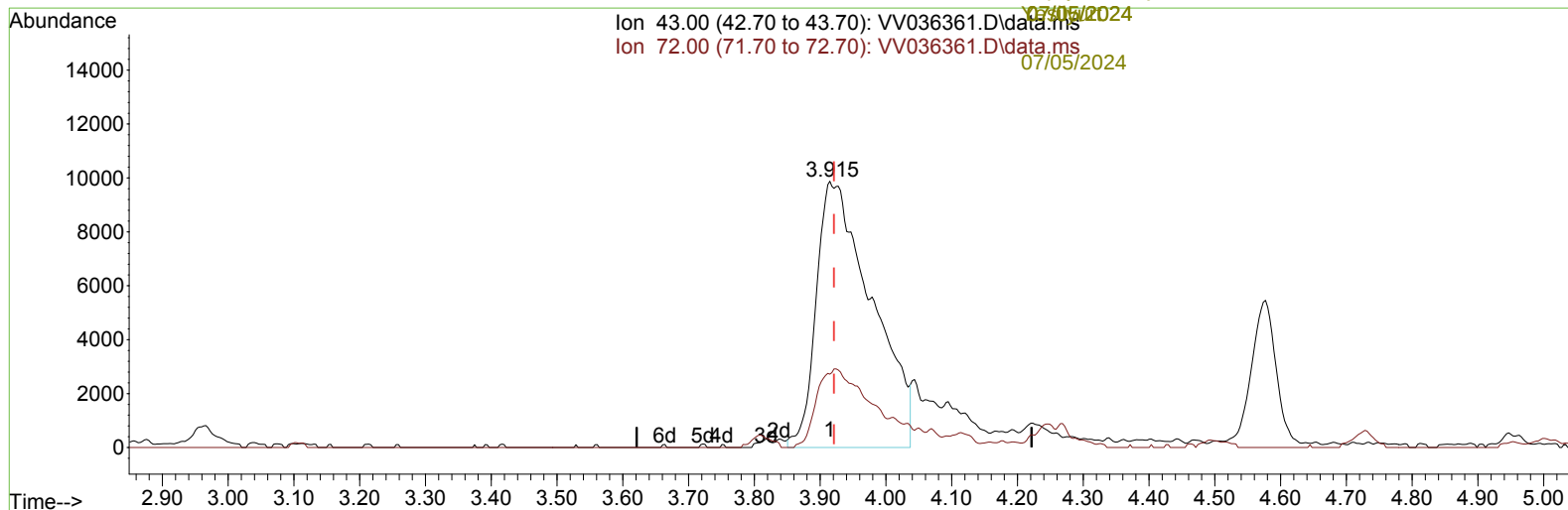
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TIC: VV036361.D\data.ms

(22) 2-Butanone (T)

3.915min (-0.007) 44.92 ug/L m

response 57777

| Ion   | Exp%   | Act%   |
|-------|--------|--------|
| 43.00 | 100.00 | 100.00 |
| 72.00 | 25.80  | 26.41  |
| 0.00  | 0.00   | 0.00   |
| 0.00  | 0.00   | 0.00   |

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 Data File : VW036361.D  
 Acq On : 01 Jul 2024 09:37  
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 LabSampleId :  
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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     | 5.529  | 114  | 286442   | 25.000 | ug/L  | 0.00     |
| 28) Chlorobenzene-d5       | 8.779  | 117  | 295030   | 25.000 | ug/L  | 0.00     |
| 58) 1,4-Dichlorobenzene-d4 | 11.181 | 152  | 164353   | 25.000 | ug/L  | 0.00     |

#### System Monitoring Compounds

|                               |        |       |          |          |      |          |
|-------------------------------|--------|-------|----------|----------|------|----------|
| 4) Vinyl Chloride-d3          | 1.275  | 65    | 114761   | 23.591   | ug/L | 0.00     |
| Spiked Amount                 | 25.000 | Range | 30 - 150 | Recovery | =    | 94.360%  |
| 7) Chloroethane-d5            | 1.529  | 69    | 96549    | 24.848   | ug/L | 0.00     |
| Spiked Amount                 | 25.000 | Range | 30 - 150 | Recovery | =    | 99.400%  |
| 11) 1,1-Dichloroethene-d2     | 2.053  | 65    | 54577    | 23.865   | ug/L | 0.00     |
| Spiked Amount                 | 25.000 | Range | 45 - 110 | Recovery | =    | 95.480%  |
| 21) 2-Butanone-d5             | 3.854  | 46    | 52756m   | 46.726   | ug/L | 0.00     |
| Spiked Amount                 | 50.000 | Range | 20 - 135 | Recovery | =    | 93.460%  |
| 24) Chloroform-d              | 4.239  | 84    | 218637   | 25.859   | ug/L | 0.00     |
| Spiked Amount                 | 25.000 | Range | 40 - 150 | Recovery | =    | 103.440% |
| 26) 1,2-Dichloroethane-d4     | 4.934  | 65    | 114348   | 25.360   | ug/L | 0.00     |
| Spiked Amount                 | 25.000 | Range | 70 - 130 | Recovery | =    | 101.440% |
| 32) Benzene-d6                | 4.953  | 84    | 395955   | 23.775   | ug/L | 0.00     |
| Spiked Amount                 | 25.000 | Range | 20 - 135 | Recovery | =    | 95.080%  |
| 36) 1,2-Dichloropropane-d6    | 5.982  | 67    | 121054   | 24.165   | ug/L | 0.00     |
| Spiked Amount                 | 25.000 | Range | 70 - 120 | Recovery | =    | 96.640%  |
| 41) Toluene-d8                | 7.236  | 98    | 356640   | 23.750   | ug/L | 0.00     |
| Spiked Amount                 | 25.000 | Range | 30 - 130 | Recovery | =    | 95.000%  |
| 43) trans-1,3-Dichloroprop... | 7.548  | 79    | 51939    | 23.218   | ug/L | 0.00     |
| Spiked Amount                 | 25.000 | Range | 30 - 135 | Recovery | =    | 92.880%  |
| 47) 2-Hexanone-d5             | 8.030  | 63    | 33332    | 41.684   | ug/L | 0.00     |
| Spiked Amount                 | 50.000 | Range | 20 - 135 | Recovery | =    | 83.360%  |
| 56) 1,1,2,2-Tetrachloroeth... | 10.149 | 84    | 101745   | 24.777   | ug/L | 0.00     |
| Spiked Amount                 | 25.000 | Range | 45 - 120 | Recovery | =    | 99.120%  |
| 66) 1,2-Dichlorobenzene-d4    | 11.554 | 152   | 130418   | 21.775   | ug/L | 0.00     |
| Spiked Amount                 | 25.000 | Range | 75 - 120 | Recovery | =    | 87.120%  |

#### Target Compounds

|                               |       |     |        |        |      | Qvalue |
|-------------------------------|-------|-----|--------|--------|------|--------|
| 2) Dichlorodifluoromethane    | 1.105 | 85  | 143115 | 26.296 | ug/L | 100    |
| 3) Chloromethane              | 1.211 | 50  | 132397 | 26.875 | ug/L | 99     |
| 5) Vinyl chloride             | 1.278 | 62  | 148439 | 26.094 | ug/L | 99     |
| 6) Bromomethane               | 1.484 | 94  | 104965 | 27.435 | ug/L | 100    |
| 8) Chloroethane               | 1.545 | 64  | 94069  | 26.831 | ug/L | 99     |
| 9) Trichlorofluoromethane     | 1.709 | 101 | 210365 | 25.893 | ug/L | 100    |
| 10) 1,1,2-Trichloro-1,2,2-... | 2.059 | 101 | 137883 | 27.057 | ug/L | 99     |
| 12) 1,1-Dichloroethene        | 2.063 | 96  | 126233 | 27.978 | ug/L | 89     |
| 13) Acetone                   | 2.169 | 43  | 77880m | 51.057 | ug/L |        |
| 14) Carbon disulfide          | 2.233 | 76  | 385041 | 27.048 | ug/L | 100    |
| 15) Methyl Acetate            | 2.384 | 43  | 49372  | 25.153 | ug/L | 98     |
| 16) Methylene chloride        | 2.439 | 84  | 130394 | 23.123 | ug/L | 98     |
| 17) trans-1,2-Dichloroethene  | 2.686 | 96  | 118088 | 26.360 | ug/L | 98     |
| 18) Methyl tert-butyl Ether   | 2.699 | 73  | 255981 | 24.547 | ug/L | 99     |
| 19) 1,1-Dichloroethane        | 3.101 | 63  | 210211 | 26.392 | ug/L | 99     |
| 20) cis-1,2-Dichloroethene    | 3.809 | 96  | 111433 | 24.732 | ug/L | 99     |
| 22) 2-Butanone                | 3.915 | 43  | 57777m | 44.922 | ug/L |        |
| 23) Bromochloromethane        | 4.140 | 128 | 62539  | 26.619 | ug/L | 98     |
| 25) Chloroform                | 4.265 | 83  | 229965 | 27.069 | ug/L | 100    |

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| Compound                      | R.T.   | Q   | Ion | Response | Conc   | Units | Dev(Min) |
|-------------------------------|--------|-----|-----|----------|--------|-------|----------|
| 27) 1,2-Dichloroethane        | 5.034  | 62  |     | 148034   | 26.911 | ug/L  | 98       |
| 29) Cyclohexane               | 4.574  | 56  |     | 143179   | 22.780 | ug/L  | 100      |
| 30) 1,1,1-Trichloroethane     | 4.503  | 97  |     | 191130   | 26.128 | ug/L  | 99       |
| 31) Carbon tetrachloride      | 4.725  | 117 |     | 170291   | 26.126 | ug/L  | 99       |
| 33) Benzene                   | 5.001  | 78  |     | 464385   | 26.575 | ug/L  | 100      |
| 34) Trichloroethene           | 5.825  | 95  |     | 134871   | 24.459 | ug/L  | 99       |
| 35) Methylcyclohexane         | 6.043  | 83  |     | 183505   | 23.879 | ug/L  | 98       |
| 37) 1,2-Dichloropropane       | 6.085  | 63  |     | 120383   | 26.975 | ug/L  | 100      |
| 38) Bromodichloromethane      | 6.426  | 83  |     | 163378   | 26.766 | ug/L  | 99       |
| 39) cis-1,3-Dichloropropene   | 6.950  | 75  |     | 169126   | 24.645 | ug/L  | 99       |
| 40) 4-Methyl-2-pentanone      | 7.159  | 43  |     | 119025   | 47.290 | ug/L  | 97       |
| 42) Toluene                   | 7.310  | 91  |     | 493633   | 27.017 | ug/L  | 99       |
| 44) trans-1,3-Dichloropropene | 7.577  | 75  |     | 157716   | 25.552 | ug/L  | 100      |
| 45) 1,1,2-Trichloroethane     | 7.763  | 97  |     | 104587   | 26.514 | ug/L  | 98       |
| 46) Tetrachloroethene         | 7.898  | 164 |     | 101806   | 25.404 | ug/L  | 97       |
| 48) 2-Hexanone                | 8.079  | 43  |     | 90154    | 45.538 | ug/L  | 99       |
| 49) Dibromochloromethane      | 8.172  | 129 |     | 116386   | 26.467 | ug/L  | 97       |
| 50) 1,2-Dibromoethane         | 8.278  | 107 |     | 102008   | 26.250 | ug/L  | 96       |
| 51) Chlorobenzene             | 8.808  | 112 |     | 312360   | 25.009 | ug/L  | 100      |
| 52) Ethylbenzene              | 8.940  | 91  |     | 496704   | 25.190 | ug/L  | 100      |
| 53) m,p-Xylene                | 9.069  | 106 |     | 195942   | 26.663 | ug/L  | 98       |
| 54) o-Xylene                  | 9.474  | 106 |     | 177851   | 25.735 | ug/L  | 97       |
| 55) Styrene                   | 9.490  | 104 |     | 343540   | 28.364 | ug/L  | 99       |
| 57) 1,1,2,2-Tetrachloroethane | 10.175 | 83  |     | 92934    | 26.324 | ug/L  | 97       |
| 59) Bromoform                 | 9.660  | 173 |     | 77186    | 24.810 | ug/L  | 99       |
| 60) Isopropylbenzene          | 9.863  | 105 |     | 487757   | 24.551 | ug/L  | 100      |
| 61) 1,2,3-Trichloropropane    | 10.204 | 75  |     | 90919    | 24.513 | ug/L  | 99       |
| 62) 1,3,5-Trimethylbenzene    | 10.471 | 105 |     | 337155   | 23.713 | ug/L  | 99       |
| 63) 1,2,4-Trimethylbenzene    | 10.847 | 105 |     | 377569   | 24.437 | ug/L  | 100      |
| 64) 1,3-Dichlorobenzene       | 11.114 | 146 |     | 261317   | 25.242 | ug/L  | 99       |
| 65) 1,4-Dichlorobenzene       | 11.204 | 146 |     | 269701   | 24.304 | ug/L  | 99       |
| 67) 1,2-Dichlorobenzene       | 11.574 | 146 |     | 244832   | 24.773 | ug/L  | 99       |
| 68) 1,2-Dibromo-3-chloropr... | 12.361 | 75  |     | 19731    | 23.712 | ug/L  | 94       |
| 69) 1,3,5-Trichlorobenzene    | 12.577 | 180 |     | 182364   | 23.395 | ug/L  | 99       |
| 70) 1,2,4-trichlorobenzene    | 13.194 | 180 |     | 139773   | 22.485 | ug/L  | 99       |
| 71) Naphthalene               | 13.435 | 128 |     | 223430   | 20.159 | ug/L  | 99       |
| 72) 1,2,3-Trichlorobenzene    | 13.676 | 180 |     | 139507   | 23.866 | ug/L  | 99       |

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

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_V\Data\VV070124\  
 Data File : VV036361.D  
 Acq On : 01 Jul 2024 09:37  
 Operator : SY/MD  
 Sample : VSTDCCC025  
 Misc : 5.00g/10.0mL/MSVOA\_V/SOIL  
 ALS Vial : 2 Sample Multiplier: 1

Instrument :  
 MSVOA\_V  
 LabSampleId :  
 VSTDCCC025

## Manual IntegrationsAPPROVED

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

Supervised By :Semsettin  
 Verified By :Semsettin  
 07/05/2024

Quant Time: Jul 02 02:21:40 2024  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_V\Method\SFAMVLM062724SMA.M  
 Quant Title : VOC Analysis  
 QLast Update : Fri Jun 28 23:33:02 2024  
 Response via : Initial Calibration

