

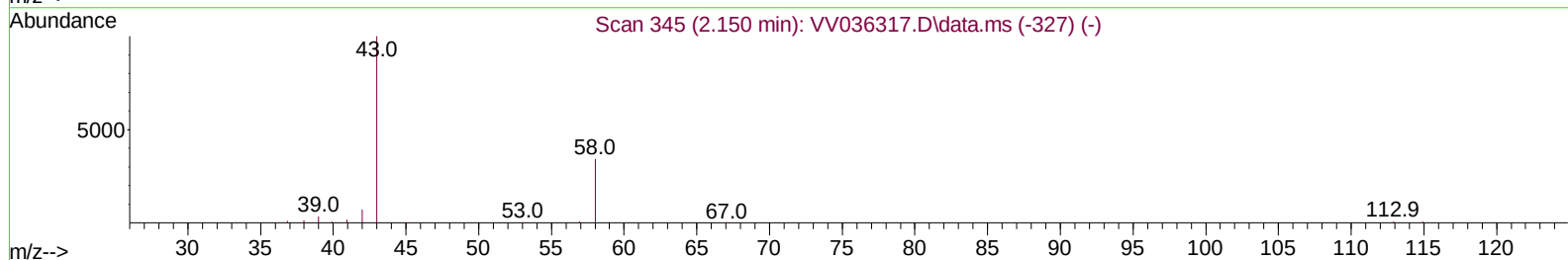
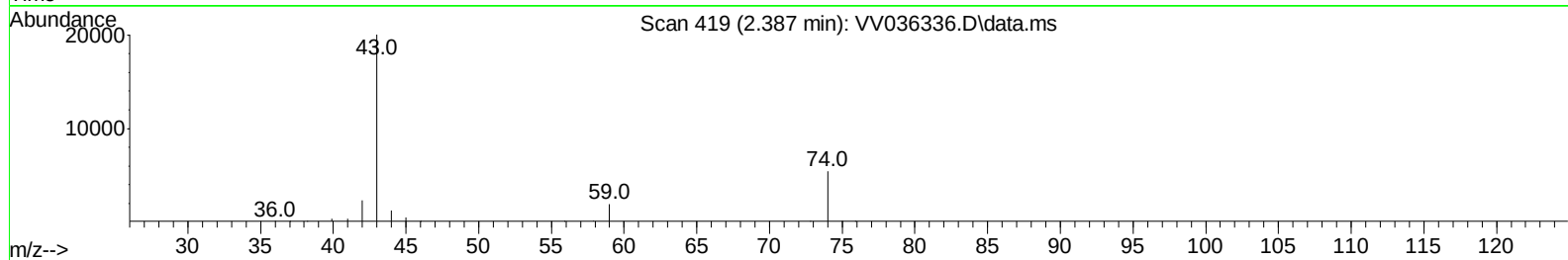
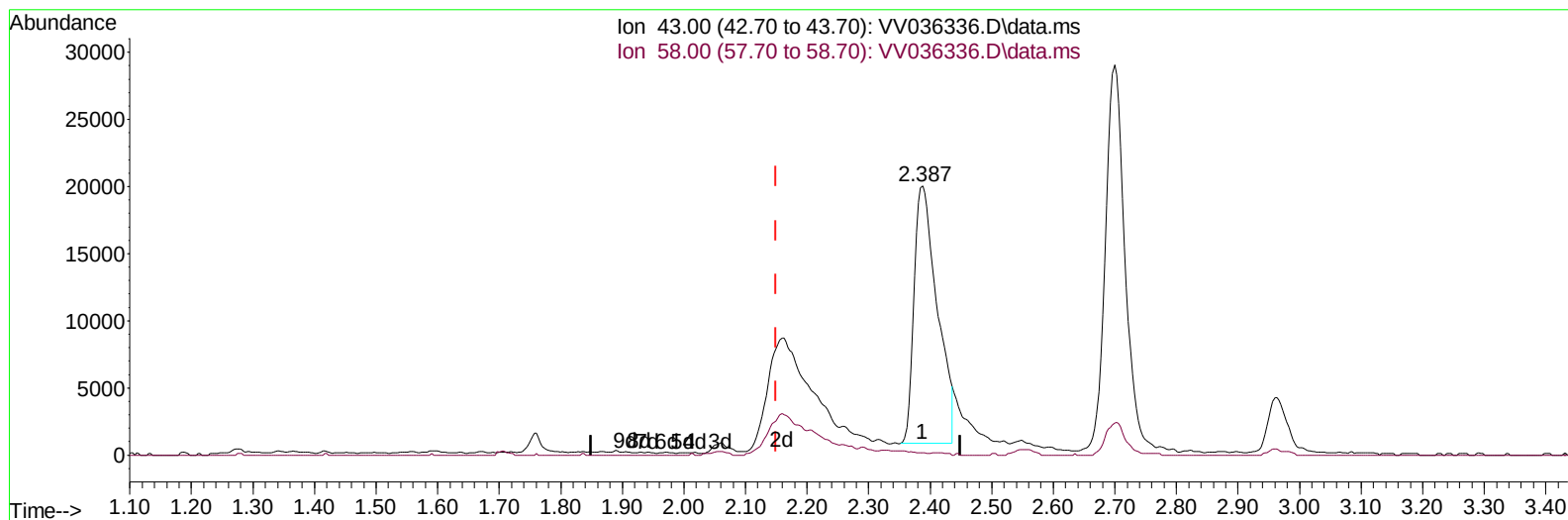
Data Path : Z:\voasrv\HPCHEM1\MSVOA\_V\Data\VV062724\  
 Data File : VV036336.D  
 Acq On : 28 Jun 2024 03:20  
 Operator : SY/MD  
 Sample : VSTDCCC025EC  
 Misc : 5.00g/10.0mL/MSVOA\_V/SOIL  
 ALS Vial : 47 Sample Multiplier: 1

Instrument :  
 MSVOA\_V  
 LabSampleId :  
 VSTDCCC025EC

Manual IntegrationsAPPROVED

Quant Time: Jun 28 05:10:13 2024  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_V\Method\SFAMVLM062724SMA.M  
 Quant Title : VOC Analysis  
 QLast Update : Fri Jun 28 04:20:38 2024  
 Response via : Initial Calibration

Reviewed By :Mahesh Dadoda 07/03/2024  
 Supervised By :Semsettin Yesilyurt 07/03/2024



TIC: VV036336.D\data.ms

(13) Acetone (T)

2.387min (+ 0.238) 26.25 ug/L

response 50201

| Ion   | Exp%   | Act%   |
|-------|--------|--------|
| 43.00 | 100.00 | 100.00 |
| 58.00 | 0.30   | 0.17   |
| 0.00  | 0.00   | 0.00   |
| 0.00  | 0.00   | 0.00   |

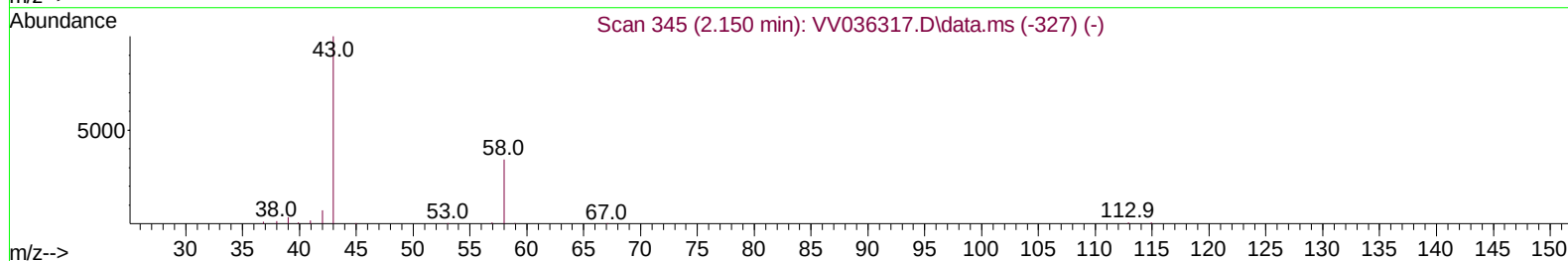
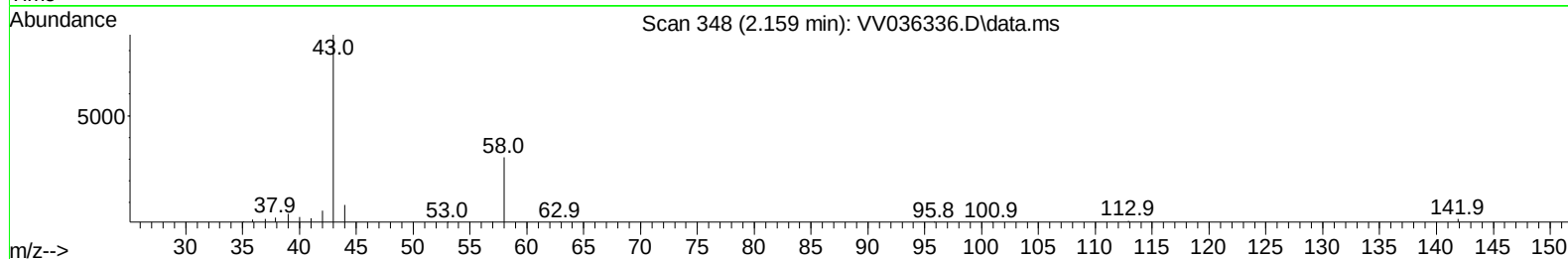
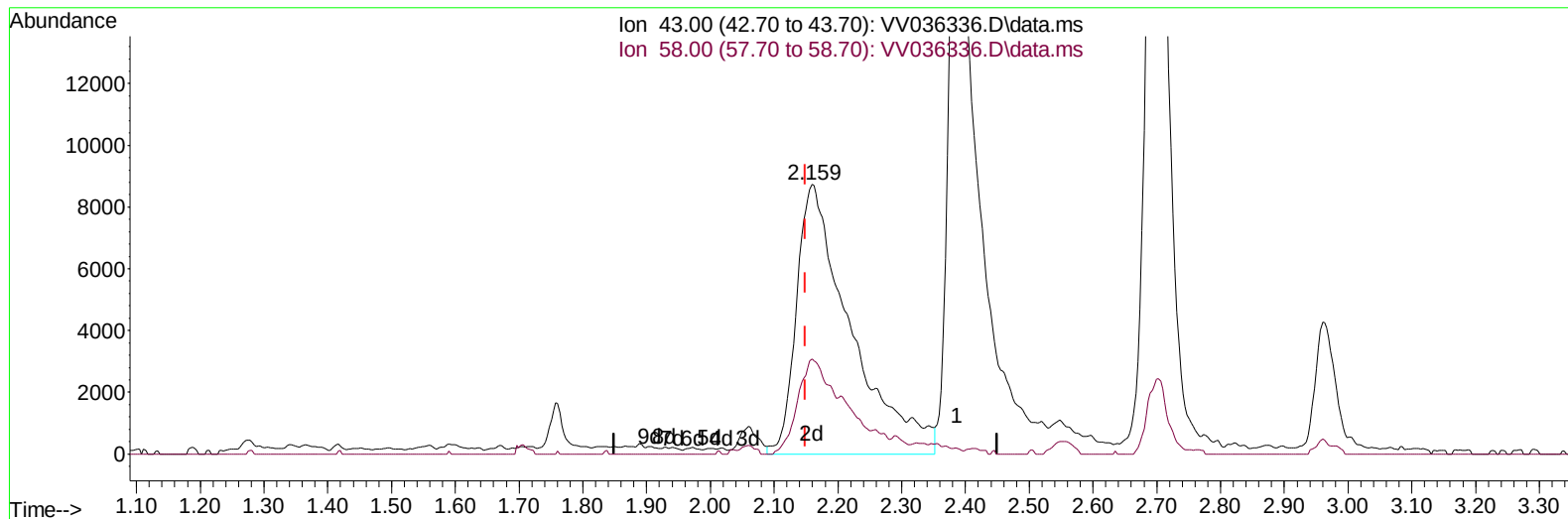
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TIC: VV036336.D\data.ms

(13) Acetone (T)

2.159min (+ 0.010) 26.81 ug/L m

response 51266

| Ion   | Exp%   | Act%   |
|-------|--------|--------|
| 43.00 | 100.00 | 100.00 |
| 58.00 | 0.30   | 0.17   |
| 0.00  | 0.00   | 0.00   |
| 0.00  | 0.00   | 0.00   |

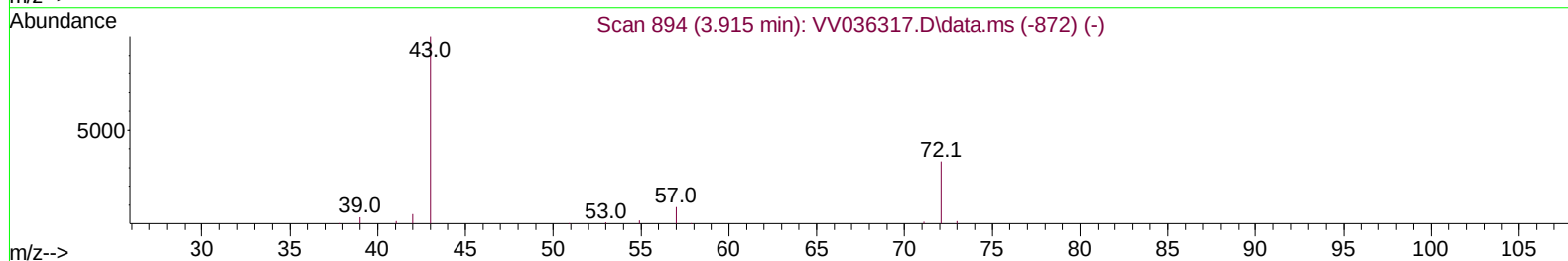
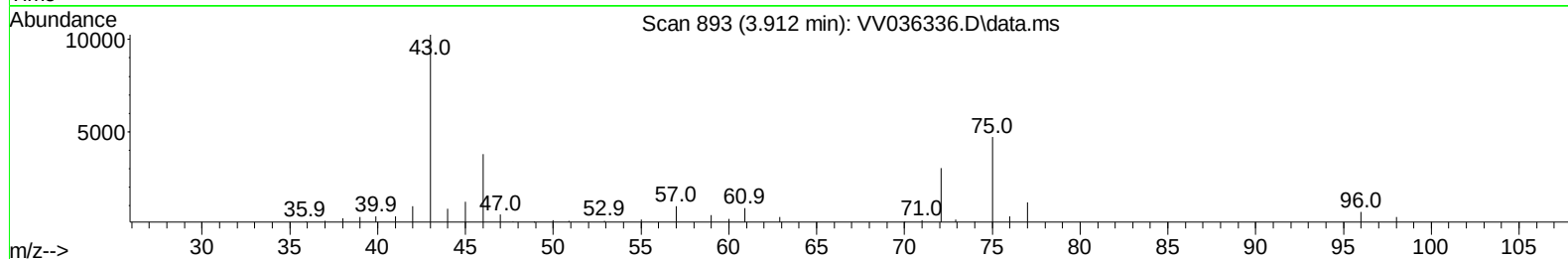
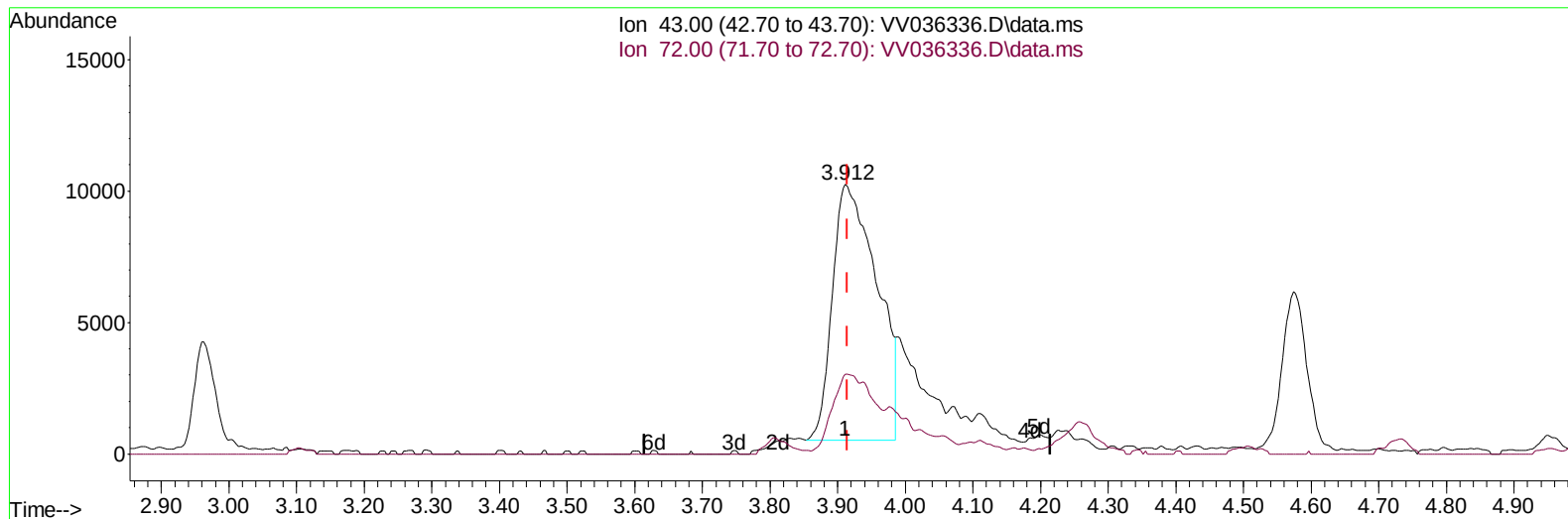
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Instrument :  
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LabSampleId :  
VSTDCCC025EC

## Manual IntegrationsAPPROVED

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TIC: VV036336.D\data.ms

## (22) 2-Butanone (T)

3.912min (-0.003) 27.62 ug/L

response 44531

| Ion   | Exp%   | Act%   |
|-------|--------|--------|
| 43.00 | 100.00 | 100.00 |
| 72.00 | 25.80  | 16.58  |
| 0.00  | 0.00   | 0.00   |
| 0.00  | 0.00   | 0.00   |

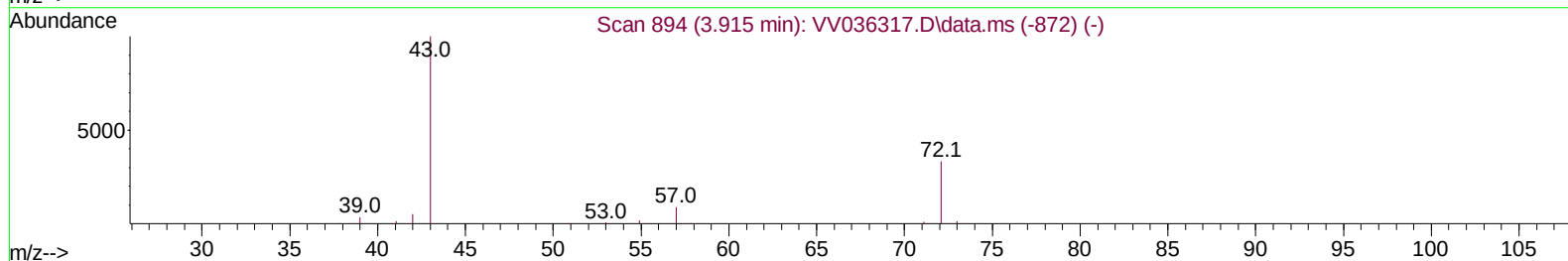
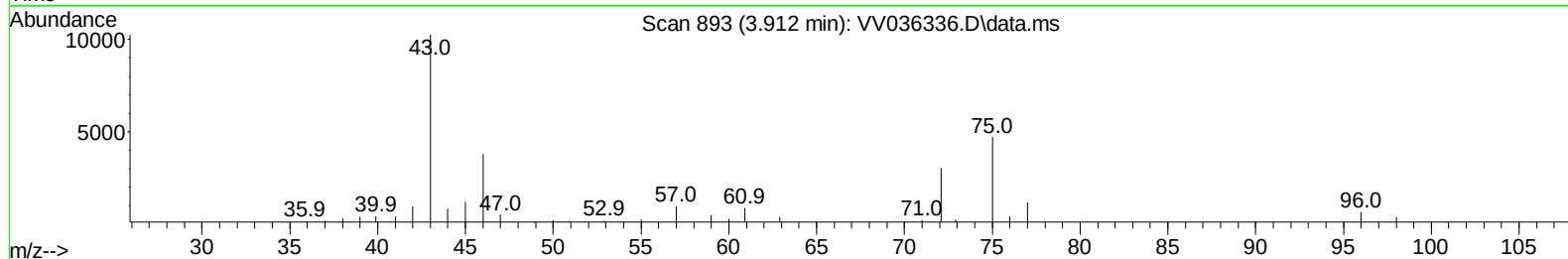
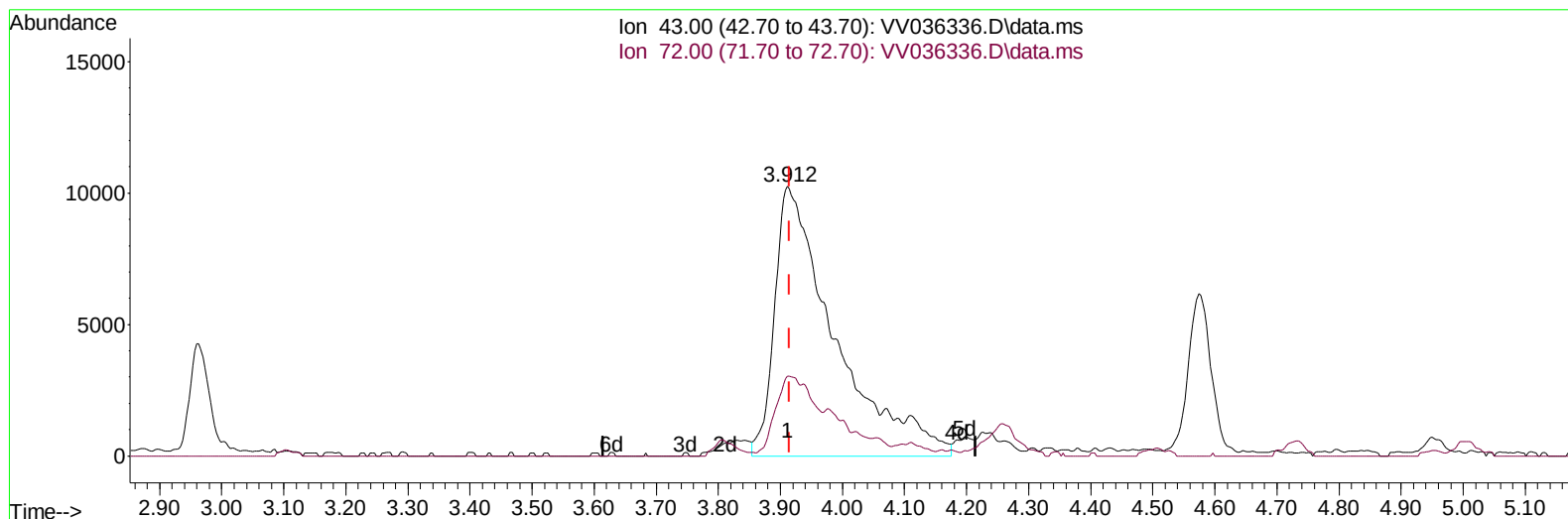
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ALS Vial : 47 Sample Multiplier: 1

Instrument :  
MSVOA\_V  
LabSampleId :  
VSTDCCC025EC

Manual IntegrationsAPPROVED

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Supervised By :Semsettin Yesilyurt 07/03/2024



TIC: VV036336.D\data.ms

(22) 2-Butanone (T)

3.912min (-0.003) 42.74 ug/L m

response 68918

| Ion   | Exp%   | Act%   |
|-------|--------|--------|
| 43.00 | 100.00 | 100.00 |
| 72.00 | 25.80  | 10.71# |
| 0.00  | 0.00   | 0.00   |
| 0.00  | 0.00   | 0.00   |

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 Misc : 5.00g/10.0mL/MSVOA\_V/SOIL  
 ALS Vial : 47 Sample Multiplier: 1

Instrument :  
 MSVOA\_V  
 LabSampleId :  
 VSTDCCC025EC

Manual IntegrationsAPPROVED

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 Supervised By :Semsettin Yesilyurt 07/03/2024

| Compound                      | R.T.     | QIon  | Response | Conc   | Units    | Dev(Min) |
|-------------------------------|----------|-------|----------|--------|----------|----------|
| -----                         |          |       |          |        |          |          |
| Internal Standards            |          |       |          |        |          |          |
| 1) 1,4-Difluorobenzene        | 5.529    | 114   | 359083   | 25.000 | ug/L     | 0.00     |
| 28) Chlorobenzene-d5          | 8.780    | 117   | 375023   | 25.000 | ug/L     | 0.00     |
| 58) 1,4-Dichlorobenzene-d4    | 11.181   | 152   | 200215   | 25.000 | ug/L     | 0.00     |
| System Monitoring Compounds   |          |       |          |        |          |          |
| 4) Vinyl Chloride-d3          | 1.272    | 65    | 146216   | 23.976 | ug/L     | 0.00     |
| Spiked Amount 25.000          | Range 30 | - 150 | Recovery | =      | 95.920%  |          |
| 7) Chloroethane-d5            | 1.526    | 69    | 124485   | 25.557 | ug/L     | 0.00     |
| Spiked Amount 25.000          | Range 30 | - 150 | Recovery | =      | 102.240% |          |
| 11) 1,1-Dichloroethene-d2     | 2.050    | 65    | 62981    | 21.969 | ug/L     | 0.00     |
| Spiked Amount 25.000          | Range 45 | - 110 | Recovery | =      | 87.880%  |          |
| 21) 2-Butanone-d5             | 3.834    | 46    | 57572    | 40.677 | ug/L     | 0.00     |
| Spiked Amount 50.000          | Range 20 | - 135 | Recovery | =      | 81.360%  |          |
| 24) Chloroform-d              | 4.239    | 84    | 283403   | 26.738 | ug/L     | 0.00     |
| Spiked Amount 25.000          | Range 40 | - 150 | Recovery | =      | 106.960% |          |
| 26) 1,2-Dichloroethane-d4     | 4.937    | 65    | 154954   | 27.413 | ug/L     | 0.00     |
| Spiked Amount 25.000          | Range 70 | - 130 | Recovery | =      | 109.640% |          |
| 32) Benzene-d6                | 4.953    | 84    | 541999   | 25.602 | ug/L     | 0.00     |
| Spiked Amount 25.000          | Range 20 | - 135 | Recovery | =      | 102.400% |          |
| 36) 1,2-Dichloropropane-d6    | 5.982    | 67    | 169315   | 26.589 | ug/L     | 0.00     |
| Spiked Amount 25.000          | Range 70 | - 120 | Recovery | =      | 106.360% |          |
| 41) Toluene-d8                | 7.239    | 98    | 507271   | 26.576 | ug/L     | 0.00     |
| Spiked Amount 25.000          | Range 30 | - 130 | Recovery | =      | 106.320% |          |
| 43) trans-1,3-Dichloroprop... | 7.551    | 79    | 68204    | 23.985 | ug/L     | 0.00     |
| Spiked Amount 25.000          | Range 30 | - 135 | Recovery | =      | 95.960%  |          |
| 47) 2-Hexanone-d5             | 8.030    | 63    | 41601    | 40.928 | ug/L     | 0.00     |
| Spiked Amount 50.000          | Range 20 | - 135 | Recovery | =      | 81.860%  |          |
| 56) 1,1,2,2-Tetrachloroeth... | 10.149   | 84    | 124882   | 23.925 | ug/L     | 0.00     |
| Spiked Amount 25.000          | Range 45 | - 120 | Recovery | =      | 95.680%  |          |
| 66) 1,2-Dichlorobenzene-d4    | 11.558   | 152   | 173263   | 23.747 | ug/L     | 0.00     |
| Spiked Amount 25.000          | Range 75 | - 120 | Recovery | =      | 95.000%  |          |
| Target Compounds              |          |       |          |        |          |          |
|                               |          |       |          |        |          | Qvalue   |
| 2) Dichlorodifluoromethane    | 1.101    | 85    | 149938   | 21.977 | ug/L     | 100      |
| 3) Chloromethane              | 1.211    | 50    | 156583   | 25.355 | ug/L     | 100      |
| 5) Vinyl chloride             | 1.275    | 62    | 172590   | 24.202 | ug/L     | 99       |
| 6) Bromomethane               | 1.481    | 94    | 124142   | 25.883 | ug/L     | 99       |
| 8) Chloroethane               | 1.542    | 64    | 113090   | 25.731 | ug/L     | 100      |
| 9) Trichlorofluoromethane     | 1.706    | 101   | 225246   | 22.116 | ug/L     | 100      |
| 10) 1,1,2-Trichloro-1,2,2-... | 2.063    | 101   | 142703   | 22.338 | ug/L     | 98       |
| 12) 1,1-Dichloroethene        | 2.063    | 96    | 135857   | 24.020 | ug/L     | 89       |
| 13) Acetone                   | 2.159    | 43    | 51266m   | 26.810 | ug/L     |          |
| 14) Carbon disulfide          | 2.233    | 76    | 439677   | 24.638 | ug/L     | 100      |
| 15) Methyl Acetate            | 2.387    | 43    | 55930    | 22.730 | ug/L     | 99       |
| 16) Methylene chloride        | 2.439    | 84    | 215246   | 30.448 | ug/L     | 99       |
| 17) trans-1,2-Dichloroethene  | 2.690    | 96    | 145092   | 25.836 | ug/L     | 100      |
| 18) Methyl tert-butyl Ether   | 2.699    | 73    | 351616   | 26.897 | ug/L     | 100      |
| 19) 1,1-Dichloroethane        | 3.104    | 63    | 266691   | 26.709 | ug/L     | 99       |
| 20) cis-1,2-Dichloroethene    | 3.809    | 96    | 149734   | 26.510 | ug/L     | 99       |
| 22) 2-Butanone                | 3.912    | 43    | 68918m   | 42.744 | ug/L     |          |
| 23) Bromochloromethane        | 4.143    | 128   | 81711    | 27.744 | ug/L     | 98       |

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 ALS Vial : 47 Sample Multiplier: 1

Instrument :  
 MSVOA\_V  
 LabSampleId :  
 VSTDCCC025EC

Manual IntegrationsAPPROVED

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| Compound                      | R.T.   | QIon | Response | Conc   | Units | Dev(Min) |
|-------------------------------|--------|------|----------|--------|-------|----------|
| 25) Chloroform                | 4.268  | 83   | 291874   | 27.406 | ug/L  | 98       |
| 27) 1,2-Dichloroethane        | 5.037  | 62   | 193251   | 28.024 | ug/L  | 98       |
| 29) Cyclohexane               | 4.577  | 56   | 164990   | 20.651 | ug/L  | 99       |
| 30) 1,1,1-Trichloroethane     | 4.506  | 97   | 225903   | 24.294 | ug/L  | 100      |
| 31) Carbon tetrachloride      | 4.728  | 117  | 190477   | 22.990 | ug/L  | 99       |
| 33) Benzene                   | 5.005  | 78   | 591762   | 26.641 | ug/L  | 100      |
| 34) Trichloroethene           | 5.828  | 95   | 179147   | 25.558 | ug/L  | 98       |
| 35) Methylcyclohexane         | 6.043  | 83   | 211229   | 21.624 | ug/L  | 99       |
| 37) 1,2-Dichloropropane       | 6.088  | 63   | 153414   | 27.043 | ug/L  | 98       |
| 38) Bromodichloromethane      | 6.429  | 83   | 209682   | 27.025 | ug/L  | 99       |
| 39) cis-1,3-Dichloropropene   | 6.950  | 75   | 213589   | 24.485 | ug/L  | 98       |
| 40) 4-Methyl-2-pentanone      | 7.159  | 43   | 144906   | 45.292 | ug/L  | 99       |
| 42) Toluene                   | 7.310  | 91   | 627318   | 27.010 | ug/L  | 99       |
| 44) trans-1,3-Dichloropropene | 7.577  | 75   | 199137   | 25.381 | ug/L  | 98       |
| 45) 1,1,2-Trichloroethane     | 7.763  | 97   | 137425   | 27.407 | ug/L  | 98       |
| 46) Tetrachloroethene         | 7.902  | 164  | 120961   | 23.745 | ug/L  | 98       |
| 48) 2-Hexanone                | 8.079  | 43   | 93869    | 37.301 | ug/L  | 96       |
| 49) Dibromochloromethane      | 8.172  | 129  | 152129   | 27.216 | ug/L  | 99       |
| 50) 1,2-Dibromoethane         | 8.278  | 107  | 132032   | 26.729 | ug/L  | 97       |
| 51) Chlorobenzene             | 8.808  | 112  | 418250   | 26.344 | ug/L  | 99       |
| 52) Ethylbenzene              | 8.943  | 91   | 653199   | 26.061 | ug/L  | 100      |
| 53) m,p-Xylene                | 9.069  | 106  | 251714   | 26.946 | ug/L  | 98       |
| 54) o-Xylene                  | 9.474  | 106  | 240783   | 27.410 | ug/L  | 100      |
| 55) Styrene                   | 9.493  | 104  | 452523   | 29.393 | ug/L  | 100      |
| 57) 1,1,2,2-Tetrachloroethane | 10.175 | 83   | 109106   | 24.312 | ug/L  | 97       |
| 59) Bromoform                 | 9.664  | 173  | 97593    | 25.750 | ug/L  | 99       |
| 60) Isopropylbenzene          | 9.863  | 105  | 625194   | 25.832 | ug/L  | 100      |
| 61) 1,2,3-Trichloropropane    | 10.207 | 75   | 110227   | 24.396 | ug/L  | 98       |
| 62) 1,3,5-Trimethylbenzene    | 10.474 | 105  | 455277   | 26.286 | ug/L  | 100      |
| 63) 1,2,4-Trimethylbenzene    | 10.847 | 105  | 512353   | 27.221 | ug/L  | 99       |
| 64) 1,3-Dichlorobenzene       | 11.114 | 146  | 327019   | 25.931 | ug/L  | 99       |
| 65) 1,4-Dichlorobenzene       | 11.204 | 146  | 337039   | 24.932 | ug/L  | 98       |
| 67) 1,2-Dichlorobenzene       | 11.574 | 146  | 302797   | 25.150 | ug/L  | 99       |
| 68) 1,2-Dibromo-3-chloropr... | 12.361 | 75   | 23833    | 23.511 | ug/L  | 94       |
| 69) 1,3,5-Trichlorobenzene    | 12.580 | 180  | 208887   | 21.997 | ug/L  | 99       |
| 70) 1,2,4-trichlorobenzene    | 13.194 | 180  | 164482   | 21.721 | ug/L  | 100      |
| 71) Naphthalene               | 13.435 | 128  | 293911   | 21.768 | ug/L  | 100      |
| 72) 1,2,3-Trichlorobenzene    | 13.676 | 180  | 168759   | 23.699 | ug/L  | 100      |

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

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