

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_V\Data\VW072324\  
 Data File : VW036658.D  
 Acq On : 23 Jul 2024 19:44  
 Operator : SY/MD  
 Sample : P3276-16  
 Misc : 6.44g/10.0mL/MSVOA\_V/SOIL/A  
 ALS Vial : 25 Sample Multiplier: 1

Instrument :  
 MSVOA\_V  
 ClientSampleId :  
 E20J5

Manual Integrations  
 APPROVED

Reviewed By :Romaben Patel 07/24/2024  
 Supervised By :Mahesh Dadoda 07/25/2024

Quant Time: Jul 24 01:03:58 2024  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_V\Method\SFAMVLM072224SMA.M  
 Quant Title : VOC Analysis  
 QLast Update : Wed Jul 24 00:57:38 2024  
 Response via : Initial Calibration

| Compound                      | R.T.           | QIon | Response   | Conc      | Units | Dev(Min) |
|-------------------------------|----------------|------|------------|-----------|-------|----------|
| -----                         |                |      |            |           |       |          |
| Internal Standards            |                |      |            |           |       |          |
| 1) 1,4-Difluorobenzene        | 5.532          | 114  | 263441     | 25.000    | ug/L  | 0.00     |
| 28) Chlorobenzene-d5          | 8.783          | 117  | 175518     | 25.000    | ug/L  | 0.00     |
| 58) 1,4-Dichlorobenzene-d4    | 11.188         | 152  | 37546      | 25.000    | ug/L  | 0.00     |
|                               |                |      |            |           |       |          |
| System Monitoring Compounds   |                |      |            |           |       |          |
| 4) Vinyl Chloride-d3          | 1.272          | 65   | 43062      | 14.925    | ug/L  | 0.00     |
| Spiked Amount 25.000          | Range 30 - 150 |      | Recovery = | 59.680%   |       |          |
| 7) Chloroethane-d5            | 1.526          | 69   | 47080      | 18.066    | ug/L  | 0.00     |
| Spiked Amount 25.000          | Range 30 - 150 |      | Recovery = | 72.280%   |       |          |
| 11) 1,1-Dichloroethene-d2     | 2.050          | 65   | 20594      | 13.499    | ug/L  | 0.00     |
| Spiked Amount 25.000          | Range 45 - 110 |      | Recovery = | 54.000%   |       |          |
| 21) 2-Butanone-d5             | 3.838          | 46   | 57515      | 85.414    | ug/L  | 0.00     |
| Spiked Amount 50.000          | Range 20 - 135 |      | Recovery = | 170.820%# |       |          |
| 24) Chloroform-d              | 4.243          | 84   | 140489     | 20.164    | ug/L  | 0.00     |
| Spiked Amount 25.000          | Range 40 - 150 |      | Recovery = | 80.640%   |       |          |
| 26) 1,2-Dichloroethane-d4     | 4.941          | 65   | 84831      | 24.680    | ug/L  | 0.00     |
| Spiked Amount 25.000          | Range 70 - 130 |      | Recovery = | 98.720%   |       |          |
| 32) Benzene-d6                | 4.953          | 84   | 193054     | 23.208    | ug/L  | 0.00     |
| Spiked Amount 25.000          | Range 20 - 135 |      | Recovery = | 92.840%   |       |          |
| 36) 1,2-Dichloropropane-d6    | 5.986          | 67   | 71584      | 30.201    | ug/L  | 0.00     |
| Spiked Amount 25.000          | Range 70 - 120 |      | Recovery = | 120.800%# |       |          |
| 41) Toluene-d8                | 7.243          | 98   | 125152     | 15.765    | ug/L  | 0.00     |
| Spiked Amount 25.000          | Range 30 - 130 |      | Recovery = | 63.080%   |       |          |
| 43) trans-1,3-Dichloroprop... | 7.558          | 79   | 24509      | 23.260    | ug/L  | 0.00     |
| Spiked Amount 25.000          | Range 30 - 135 |      | Recovery = | 93.040%   |       |          |
| 47) 2-Hexanone-d5             | 8.031          | 63   | 34909      | 110.668   | ug/L  | 0.00     |
| Spiked Amount 50.000          | Range 20 - 135 |      | Recovery = | 221.340%# |       |          |
| 56) 1,1,2,2-Tetrachloroeth... | 10.153         | 84   | 80764      | 39.095    | ug/L  | 0.00     |
| Spiked Amount 25.000          | Range 45 - 120 |      | Recovery = | 156.360%# |       |          |
| 66) 1,2-Dichlorobenzene-d4    | 11.561         | 152  | 30398      | 23.193    | ug/L  | 0.00     |
| Spiked Amount 25.000          | Range 75 - 120 |      | Recovery = | 92.760%   |       |          |
|                               |                |      |            |           |       |          |
| Target Compounds              |                |      |            |           |       | Qvalue   |
| 13) Acetone                   | 2.159          | 43   | 104255m    | 95.310    | ug/L  |          |
| 22) 2-Butanone                | 3.918          | 43   | 34793m     | 37.472    | ug/L  |          |
| 34) Trichloroethene           | 5.838          | 95   | 19394      | 5.946     | ug/L  | 99       |
| 46) Tetrachloroethene         | 7.912          | 164  | 2043       | 0.631     | ug/L  | 92       |
| -----                         |                |      |            |           |       |          |

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

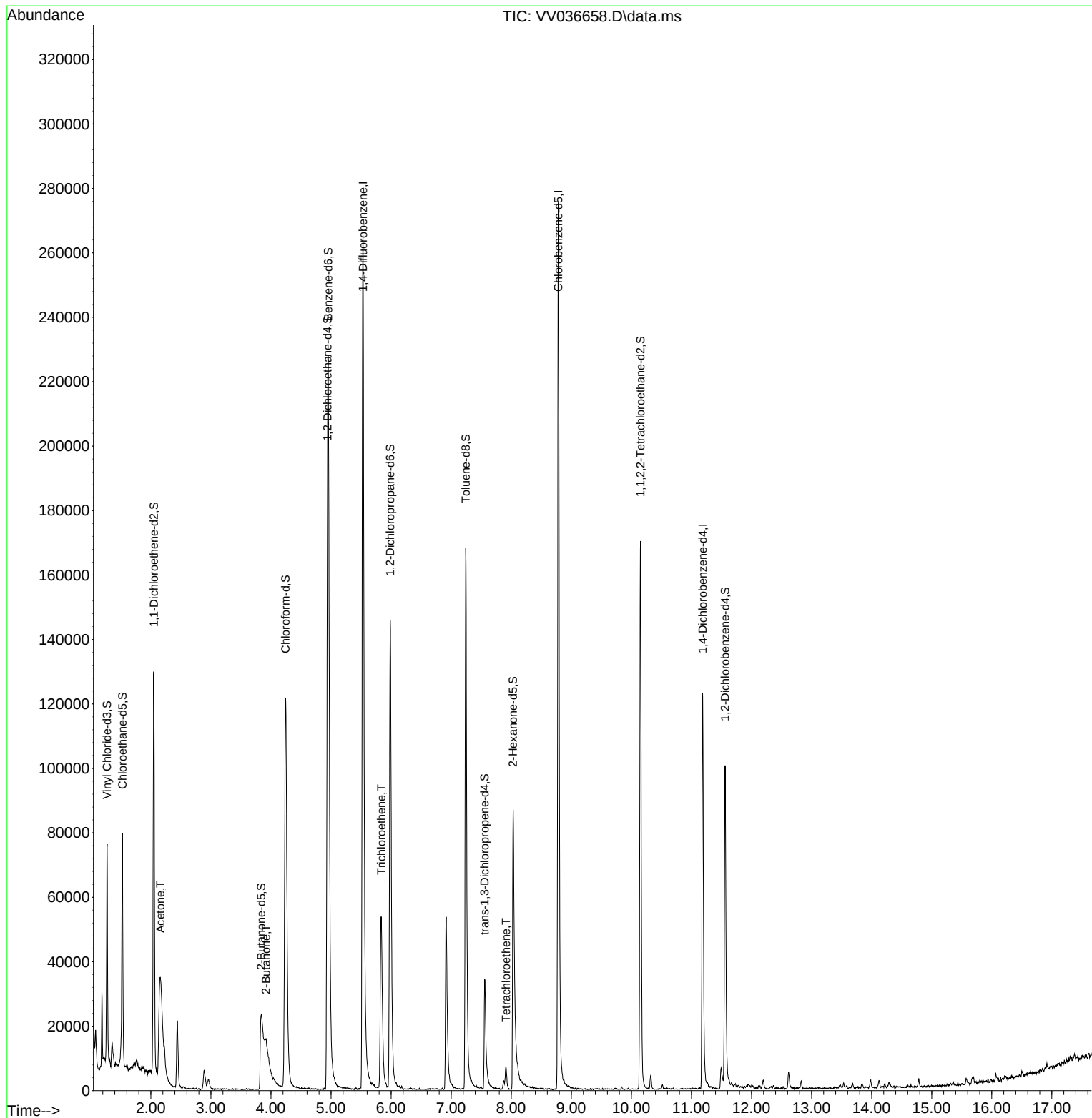
Data Path : Z:\voasrv\HPCHEM1\MSVOA\_V\Data\VV072324\  
Data File : VV036658.D  
Acq On : 23 Jul 2024 19:44  
Operator : SY/MD  
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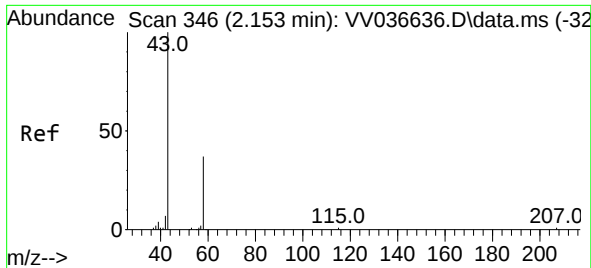
Instrument :  
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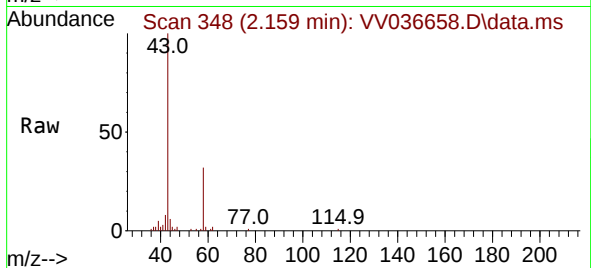
Quant Time: Jul 24 01:03:58 2024  
Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_V\Method\SFAMVLM072224SMA.M  
Quant Title : VOC Analysis  
QLast Update : Wed Jul 24 00:57:38 2024  
Response via : Initial Calibration





#13  
Acetone  
Concen: 95.310 ug/L m  
RT: 2.159 min Scan# 346  
Delta R.T. 0.007 min  
Lab File: VV036658.D  
Acq: 23 Jul 2024 19:44

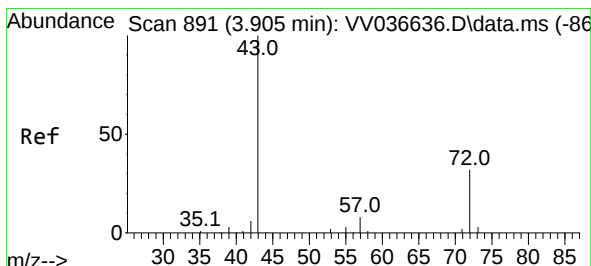
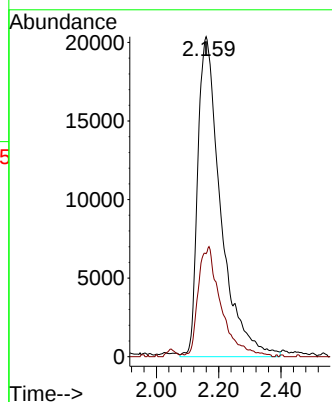
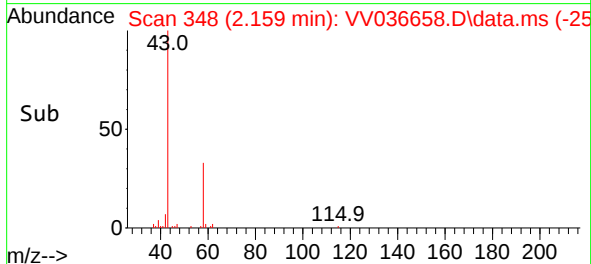
Instrument :  
MSVOA\_V  
ClientSampleId :  
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Tgt Ion: 43 Resp: 10425  
Ion Ratio Lower Upper  
43 100  
58 11.9 0.0 23.0

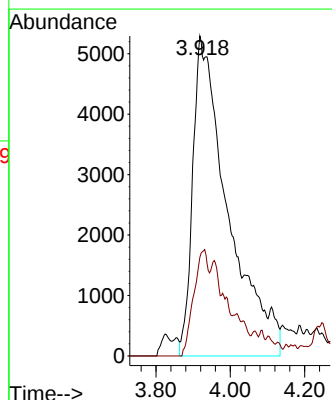
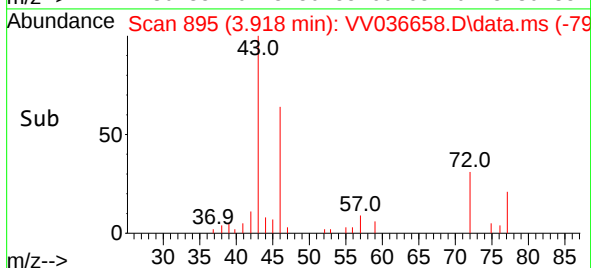
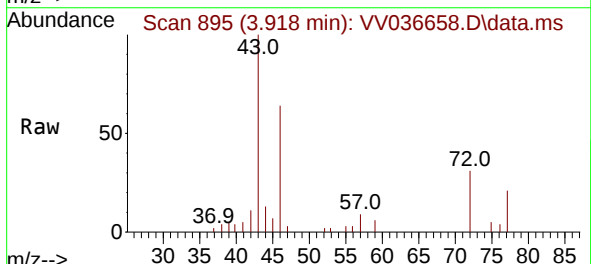
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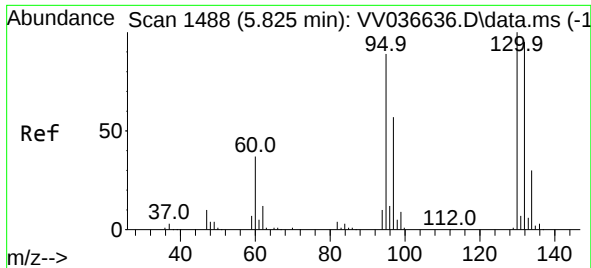
Reviewed By :Romaben Patel 07/24/2024  
Supervised By :Mahesh Dadoda 07/25/2024



#22  
2-Butanone  
Concen: 37.472 ug/L m  
RT: 3.918 min Scan# 895  
Delta R.T. 0.013 min  
Lab File: VV036658.D  
Acq: 23 Jul 2024 19:44

Tgt Ion: 43 Resp: 34793  
Ion Ratio Lower Upper  
43 100  
72 0.3 15.2 45.5#





#34

Trichloroethene

Concen: 5.946 ug/L

RT: 5.838 min Scan# 1488

Delta R.T. 0.013 min

Lab File: VV036658.D

Acq: 23 Jul 2024 19:44

Instrument :

MSVOA\_V

ClientSampleId :

E20J5

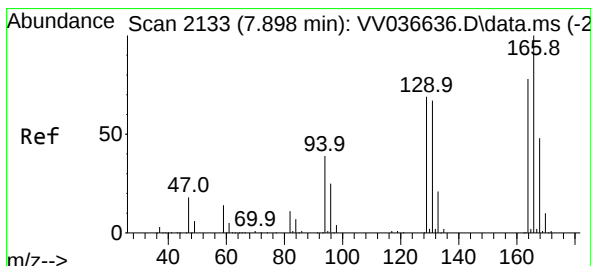
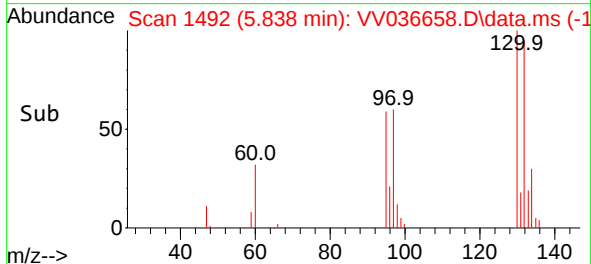
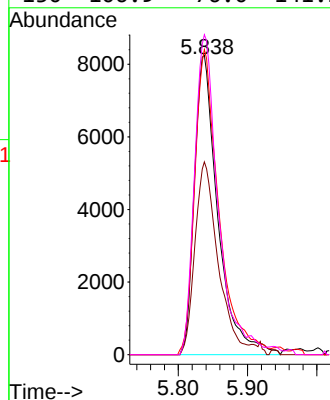
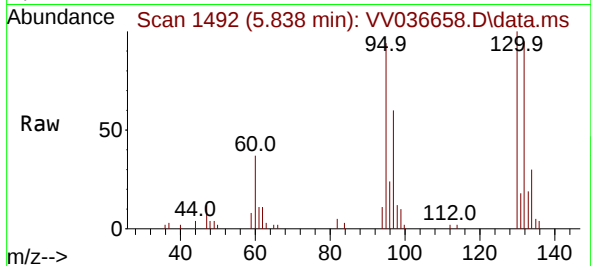
Tgt Ion: 95 Resp: 19394

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 95  | 100   |       |       |
| 97  | 64.4  | 45.1  | 83.7  |
| 132 | 101.9 | 72.7  | 134.9 |
| 130 | 106.9 | 76.0  | 141.2 |

Manual Integrations

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#46

Tetrachloroethene

Concen: 0.631 ug/L

RT: 7.912 min Scan# 2137

Delta R.T. 0.013 min

Lab File: VV036658.D

Acq: 23 Jul 2024 19:44

Tgt Ion:164 Resp: 2043

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 164 | 100   |       |       |
| 129 | 79.4  | 61.0  | 113.2 |
| 131 | 80.1  | 60.1  | 111.5 |
| 166 | 116.7 | 89.7  | 166.7 |

