

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_V\Data\VV052824\  
 Data File : VV035840.D  
 Acq On : 28 May 2024 12:55  
 Operator : SY/MD  
 Sample : P2586-04RE  
 Misc : 5.22g/10.0mL/MSVOA\_V/SOIL/B  
 ALS Vial : 11 Sample Multiplier: 1

Instrument :  
 MSVOA\_V  
 ClientSampleId :  
 A4D17RE

Manual Integrations  
 APPROVED

Reviewed By :Mahesh Dadoda 05/30/2024  
 Supervised By :Semsettin Yesilyurt 05/30/2024

Quant Time: May 29 02:26:13 2024  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_V\Method\SFAMVLM050624SMA.M  
 Quant Title : VOC Analysis  
 QLast Update : Wed May 29 02:22:14 2024  
 Response via : Initial Calibration

| Compound                      | R.T.           | QIon | Response   | Conc     | Units | Dev(Min) |
|-------------------------------|----------------|------|------------|----------|-------|----------|
| -----                         |                |      |            |          |       |          |
| Internal Standards            |                |      |            |          |       |          |
| 1) 1,4-Difluorobenzene        | 5.532          | 114  | 431490     | 25.000   | ug/L  | 0.00     |
| 28) Chlorobenzene-d5          | 8.783          | 117  | 320012     | 25.000   | ug/L  | 0.00     |
| 58) 1,4-Dichlorobenzene-d4    | 11.185         | 152  | 78378      | 25.000   | ug/L  | 0.00     |
|                               |                |      |            |          |       |          |
| System Monitoring Compounds   |                |      |            |          |       |          |
| 4) Vinyl Chloride-d3          | 1.275          | 65   | 155123     | 23.260   | ug/L  | 0.00     |
| Spiked Amount 25.000          | Range 30 - 150 |      | Recovery = | 93.040%  |       |          |
| 7) Chloroethane-d5            | 1.529          | 69   | 127667     | 23.729   | ug/L  | 0.00     |
| Spiked Amount 25.000          | Range 30 - 150 |      | Recovery = | 94.920%  |       |          |
| 11) 1,1-Dichloroethene-d2     | 2.053          | 65   | 64677      | 21.906   | ug/L  | 0.00     |
| Spiked Amount 25.000          | Range 45 - 110 |      | Recovery = | 87.640%  |       |          |
| 21) 2-Butanone-d5             | 3.866          | 46   | 27326m     | 14.438   | ug/L  | 0.00     |
| Spiked Amount 50.000          | Range 20 - 135 |      | Recovery = | 28.880%  |       |          |
| 24) Chloroform-d              | 4.246          | 84   | 255860     | 19.945   | ug/L  | 0.00     |
| Spiked Amount 25.000          | Range 40 - 150 |      | Recovery = | 79.800%  |       |          |
| 26) 1,2-Dichloroethane-d4     | 4.940          | 65   | 119673     | 18.871   | ug/L  | 0.00     |
| Spiked Amount 25.000          | Range 70 - 130 |      | Recovery = | 75.480%  |       |          |
| 32) Benzene-d6                | 4.956          | 84   | 484235     | 27.643   | ug/L  | 0.00     |
| Spiked Amount 25.000          | Range 20 - 135 |      | Recovery = | 110.560% |       |          |
| 36) 1,2-Dichloropropane-d6    | 5.985          | 67   | 151860     | 28.091   | ug/L  | 0.00     |
| Spiked Amount 25.000          | Range 70 - 120 |      | Recovery = | 112.360% |       |          |
| 41) Toluene-d8                | 7.243          | 98   | 336963     | 21.613   | ug/L  | 0.00     |
| Spiked Amount 25.000          | Range 30 - 130 |      | Recovery = | 86.440%  |       |          |
| 43) trans-1,3-Dichloroprop... | 7.558          | 79   | 37592      | 16.260   | ug/L  | 0.00     |
| Spiked Amount 25.000          | Range 30 - 135 |      | Recovery = | 65.040%  |       |          |
| 47) 2-Hexanone-d5             | 8.040          | 63   | 14899      | 15.327   | ug/L  | 0.00     |
| Spiked Amount 50.000          | Range 20 - 135 |      | Recovery = | 30.660%  |       |          |
| 56) 1,1,2,2-Tetrachloroeth... | 10.152         | 84   | 75061      | 14.409   | ug/L  | 0.00     |
| Spiked Amount 25.000          | Range 45 - 120 |      | Recovery = | 57.640%  |       |          |
| 66) 1,2-Dichlorobenzene-d4    | 11.561         | 152  | 54062      | 19.875   | ug/L  | 0.00     |
| Spiked Amount 25.000          | Range 75 - 120 |      | Recovery = | 79.520%  |       |          |
|                               |                |      |            |          |       |          |
| Target Compounds              |                |      |            |          |       |          |
| 16) Methylene chloride        | 2.442          | 84   | 27946      | 2.809    | ug/L  | 98       |
| 20) cis-1,2-Dichloroethene    | 3.818          | 96   | 51693      | 6.346    | ug/L  | 98       |
| 34) Trichloroethene           | 5.841          | 95   | 12429      | 2.075    | ug/L  | 96       |
| 46) Tetrachloroethene         | 7.905          | 164  | 30384      | 6.243    | ug/L  | 99       |
| -----                         |                |      |            |          |       |          |

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

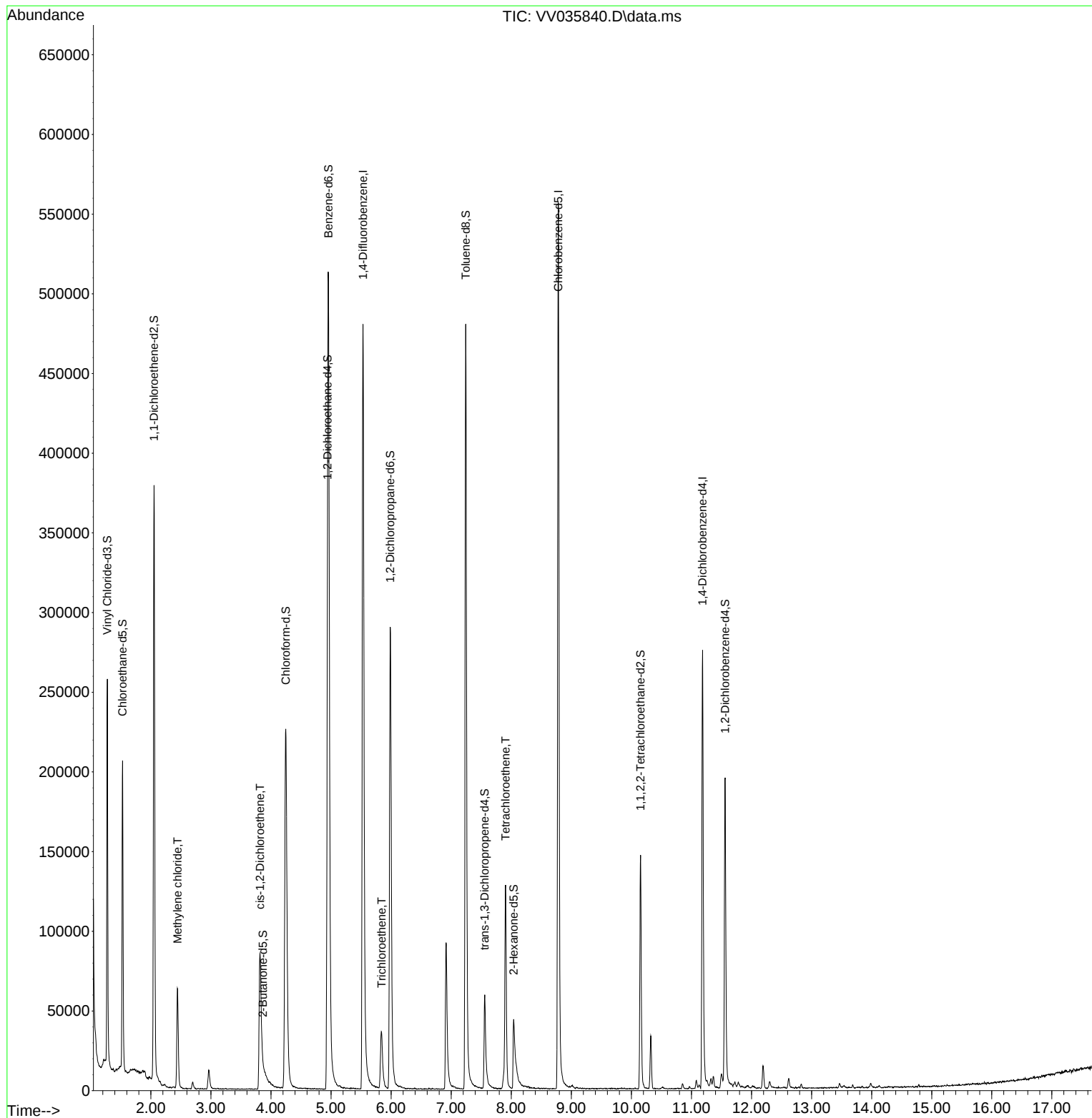
Data Path : Z:\voasrv\HPCHEM1\MSVOA\_V\Data\VV052824\  
Data File : VV035840.D  
Acq On : 28 May 2024 12:55  
Operator : SY/MD  
Sample : P2586-04RE  
Misc : 5.22g/10.0mL/MSVOA\_V/SOIL/B  
ALS Vial : 11 Sample Multiplier: 1

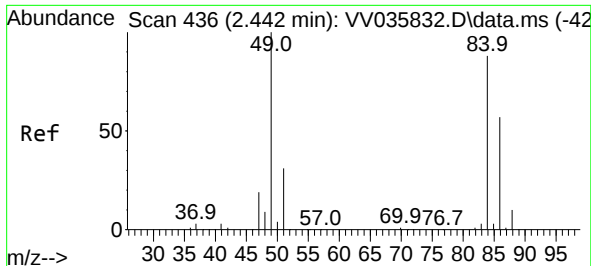
Instrument :  
MSVOA\_V  
ClientSampleId :  
A4D17RE

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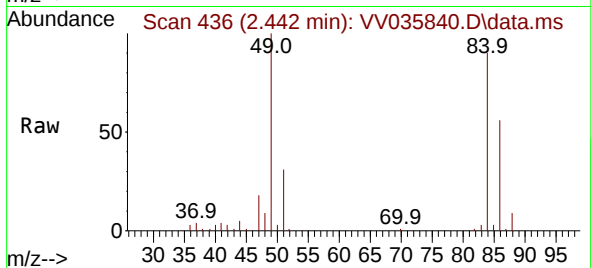
Quant Time: May 29 02:26:13 2024  
Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_V\Method\SFAMVLM050624SMA.M  
Quant Title : VOC Analysis  
QLast Update : Wed May 29 02:22:14 2024  
Response via : Initial Calibration





#16  
Methylene chloride  
Concen: 2.809 ug/L  
RT: 2.442 min Scan# 41  
Delta R.T. -0.000 min  
Lab File: VV035840.D  
Acq: 28 May 2024 12:55

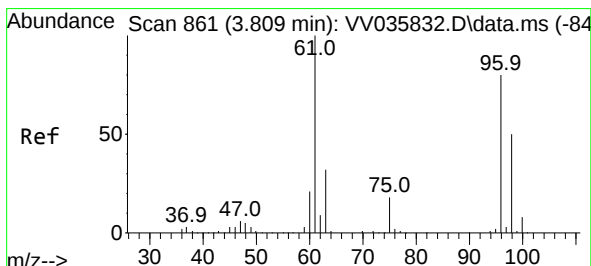
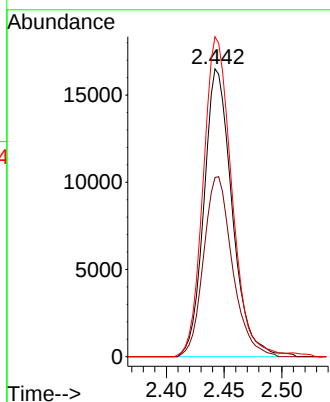
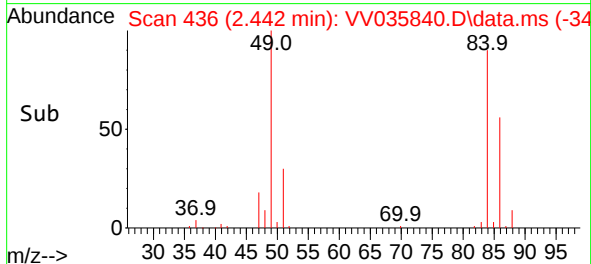
Instrument :  
MSVOA\_V  
ClientSampleId :  
A4D17RE



Tgt Ion: 84 Resp: 27940  
Ion Ratio Lower Upper  
84 100  
86 62.2 43.8 81.3  
49 111.1 75.3 139.9

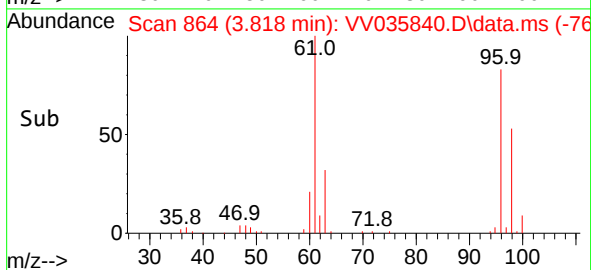
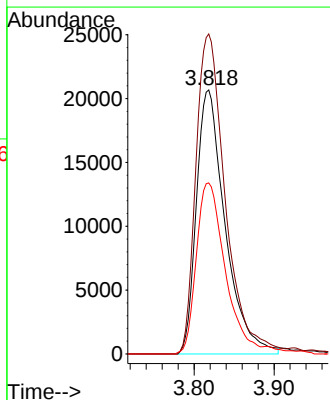
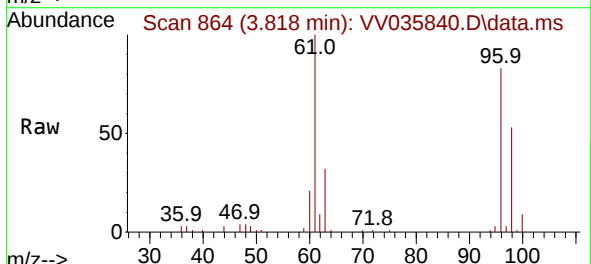
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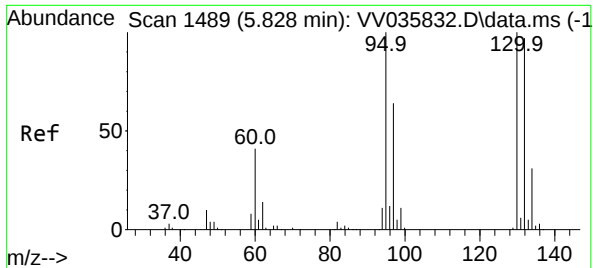
Reviewed By :Mahesh Dadoda 05/30/2024  
Supervised By :Semsettin Yesilyurt 05/30/2024



#20  
cis-1,2-Dichloroethene  
Concen: 6.346 ug/L  
RT: 3.818 min Scan# 864  
Delta R.T. 0.009 min  
Lab File: VV035840.D  
Acq: 28 May 2024 12:55

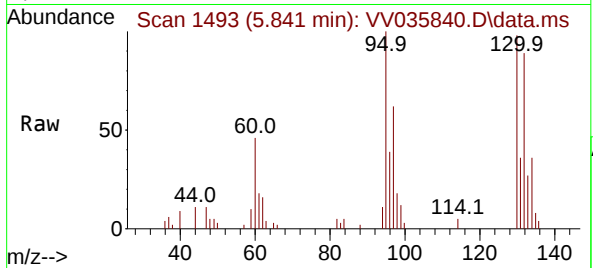
Tgt Ion: 96 Resp: 51693  
Ion Ratio Lower Upper  
96 100  
61 121.2 83.9 155.9  
98 64.8 44.0 81.8





#34  
Trichloroethene  
Concen: 2.075 ug/L  
RT: 5.841 min Scan# 1489  
Delta R.T. 0.013 min  
Lab File: VV035840.D  
Acq: 28 May 2024 12:55

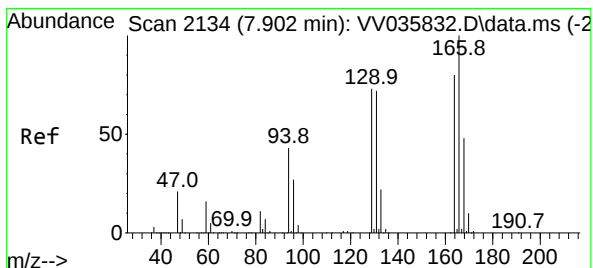
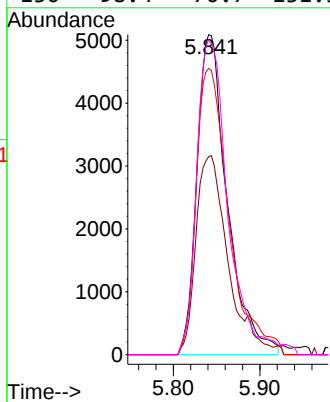
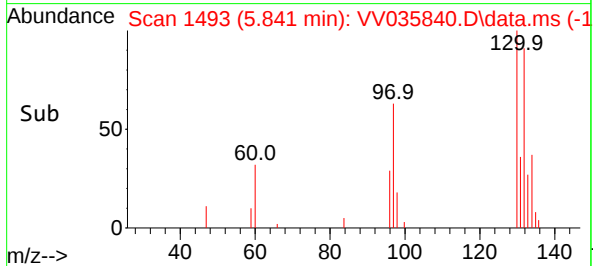
Instrument :  
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| Tgt Ion:  | 95   | Resp: | 12429 |
|-----------|------|-------|-------|
| Ion Ratio | 100  | Lower | Upper |
| 95        | 100  |       |       |
| 97        | 61.9 | 43.8  | 81.4  |
| 132       | 89.4 | 67.1  | 124.7 |
| 130       | 98.4 | 70.7  | 131.3 |

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#46  
Tetrachloroethene  
Concen: 6.243 ug/L  
RT: 7.905 min Scan# 2135  
Delta R.T. 0.003 min  
Lab File: VV035840.D  
Acq: 28 May 2024 12:55

| Tgt Ion:  | 164   | Resp: | 30384 |
|-----------|-------|-------|-------|
| Ion Ratio | 100   | Lower | Upper |
| 164       | 100   |       |       |
| 129       | 92.7  | 63.4  | 117.8 |
| 131       | 87.3  | 61.0  | 113.4 |
| 166       | 128.9 | 88.8  | 164.8 |

