

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_V\Data\VW072324\  
 Data File : VW036647.D  
 Acq On : 23 Jul 2024 15:30  
 Operator : SY/MD  
 Sample : P3328-09  
 Misc : 9.39g/10.0mL/MSVOA\_V/SOIL/A  
 ALS Vial : 14 Sample Multiplier: 1

Instrument :  
 MSVOA\_V  
 ClientSampleId :  
 E20D9

Manual Integrations  
 APPROVED

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

Quant Time: Jul 24 01:01:08 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        | 5.535          | 114  | 162125     | 25.000   | ug/L  | 0.00     |
| 28) Chlorobenzene-d5          | 8.786          | 117  | 122007     | 25.000   | ug/L  | 0.00     |
| 58) 1,4-Dichlorobenzene-d4    | 11.188         | 152  | 29173      | 25.000   | ug/L  | 0.00     |
|                               |                |      |            |          |       |          |
| System Monitoring Compounds   |                |      |            |          |       |          |
| 4) Vinyl Chloride-d3          | 1.275          | 65   | 24765      | 13.947   | ug/L  | 0.00     |
| Spiked Amount 25.000          | Range 30 - 150 |      | Recovery = | 55.800%  |       |          |
| 7) Chloroethane-d5            | 1.529          | 69   | 28326      | 17.662   | ug/L  | 0.00     |
| Spiked Amount 25.000          | Range 30 - 150 |      | Recovery = | 70.640%  |       |          |
| 11) 1,1-Dichloroethene-d2     | 2.053          | 65   | 11944      | 12.721   | ug/L  | 0.00     |
| Spiked Amount 25.000          | Range 45 - 110 |      | Recovery = | 50.880%  |       |          |
| 21) 2-Butanone-d5             | 3.822          | 46   | 21993m     | 53.072   | ug/L  | -0.02    |
| Spiked Amount 50.000          | Range 20 - 135 |      | Recovery = | 106.140% |       |          |
| 24) Chloroform-d              | 4.249          | 84   | 82958      | 19.347   | ug/L  | 0.00     |
| Spiked Amount 25.000          | Range 40 - 150 |      | Recovery = | 77.400%  |       |          |
| 26) 1,2-Dichloroethane-d4     | 4.947          | 65   | 43420      | 20.526   | ug/L  | 0.00     |
| Spiked Amount 25.000          | Range 70 - 130 |      | Recovery = | 82.120%  |       |          |
| 32) Benzene-d6                | 4.960          | 84   | 114662     | 19.829   | ug/L  | 0.00     |
| Spiked Amount 25.000          | Range 20 - 135 |      | Recovery = | 79.320%  |       |          |
| 36) 1,2-Dichloropropane-d6    | 5.989          | 67   | 40529      | 24.599   | ug/L  | 0.00     |
| Spiked Amount 25.000          | Range 70 - 120 |      | Recovery = | 98.400%  |       |          |
| 41) Toluene-d8                | 7.246          | 98   | 74606      | 13.520   | ug/L  | 0.00     |
| Spiked Amount 25.000          | Range 30 - 130 |      | Recovery = | 54.080%  |       |          |
| 43) trans-1,3-Dichloroprop... | 7.564          | 79   | 13938      | 19.030   | ug/L  | 0.01     |
| Spiked Amount 25.000          | Range 30 - 135 |      | Recovery = | 76.120%  |       |          |
| 47) 2-Hexanone-d5             | 8.037          | 63   | 10493m     | 47.854   | ug/L  | 0.00     |
| Spiked Amount 50.000          | Range 20 - 135 |      | Recovery = | 95.700%  |       |          |
| 56) 1,1,2,2-Tetrachloroeth... | 10.153         | 84   | 38219      | 26.614   | ug/L  | 0.00     |
| Spiked Amount 25.000          | Range 45 - 120 |      | Recovery = | 106.440% |       |          |
| 66) 1,2-Dichlorobenzene-d4    | 11.561         | 152  | 21674      | 21.283   | ug/L  | 0.00     |
| Spiked Amount 25.000          | Range 75 - 120 |      | Recovery = | 85.120%  |       |          |
|                               |                |      |            |          |       |          |
| Target Compounds              |                |      |            |          |       |          |
| 17) trans-1,2-Dichloroethene  | 2.693          | 96   | 2964       | 1.173    | ug/L  | 93       |
| 20) cis-1,2-Dichloroethene    | 3.812          | 96   | 129917     | 49.250   | ug/L  | 99       |
| 34) Trichloroethene           | 5.828          | 95   | 884586     | 390.121  | ug/L  | 98       |
| 46) Tetrachloroethene         | 7.912          | 164  | 2267       | 1.008    | ug/L  | 88       |
| -----                         |                |      |            |          |       |          |

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

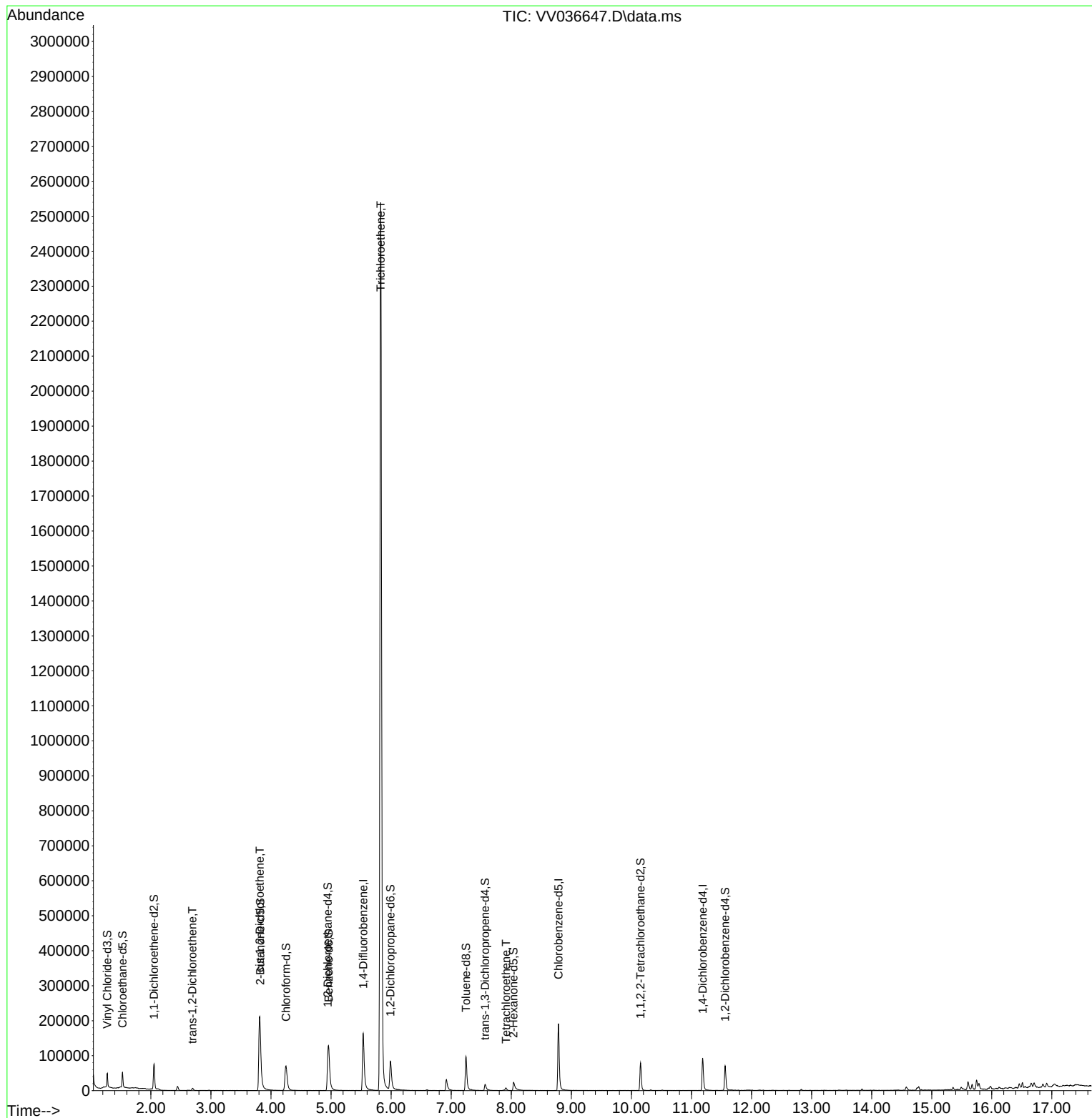
Data Path : Z:\voasrv\HPCHEM1\MSVOA\_V\Data\VV072324\  
Data File : VV036647.D  
Acq On : 23 Jul 2024 15:30  
Operator : SY/MD  
Sample : P3328-09  
Misc : 9.39g/10.0mL/MSVOA\_V/SOIL/A  
ALS Vial : 14 Sample Multiplier: 1

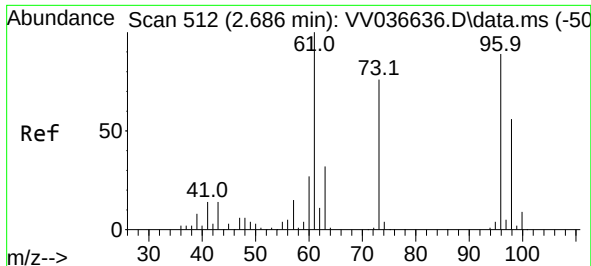
Instrument :  
MSVOA\_V  
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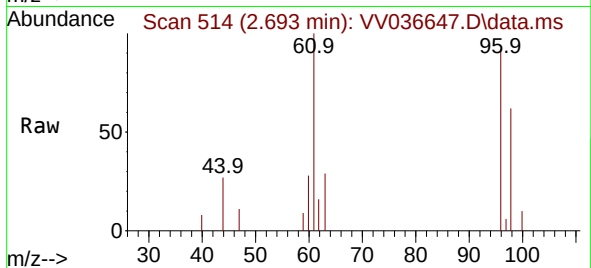
Quant Time: Jul 24 01:01:08 2024  
Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_V\Method\SFAMVLM072224SMA.M  
Quant Title : VOC Analysis  
QLast Update : Wed Jul 24 00:57:38 2024  
Response via : Initial Calibration





#17  
trans-1,2-Dichloroethene  
Concen: 1.173 ug/L  
RT: 2.693 min Scan# 512  
Delta R.T. 0.007 min  
Lab File: VV036647.D  
Acq: 23 Jul 2024 15:30

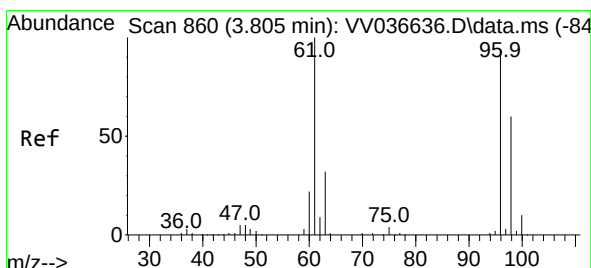
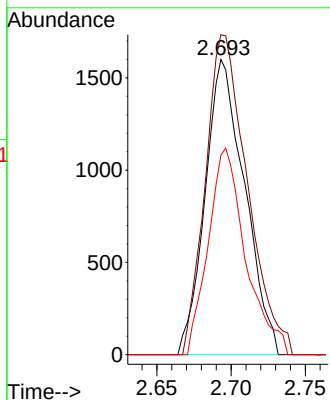
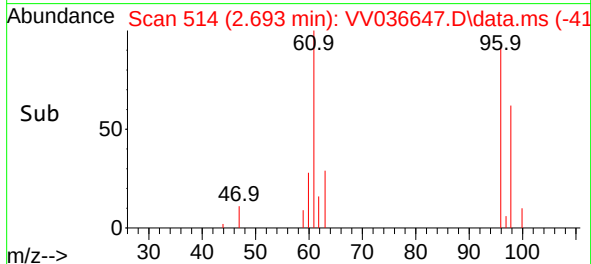
Instrument :  
MSVOA\_V  
ClientSampleId :  
E20D9



Tgt Ion: 96 Resp: 2964  
Ion Ratio Lower Upper  
96 100  
61 108.4 81.5 151.5  
98 67.6 44.3 82.3

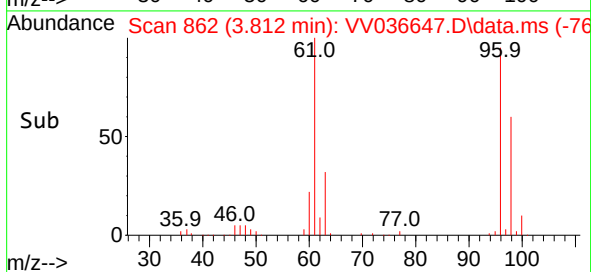
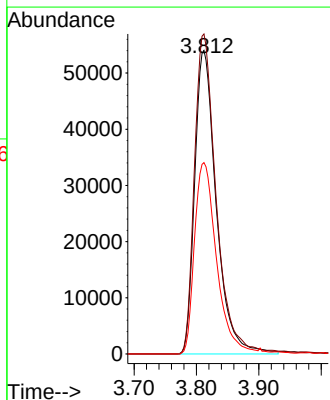
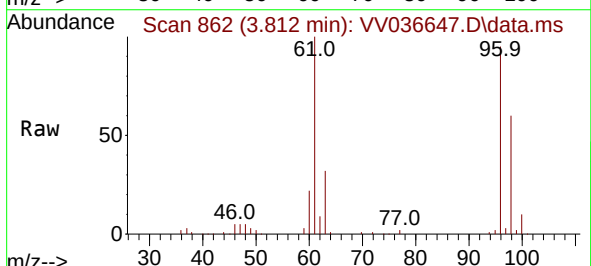
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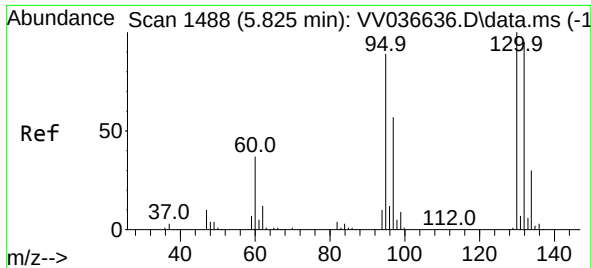
Reviewed By :Romaben Patel 07/24/2024  
Supervised By :Mahesh Dadoda 07/25/2024



#20  
cis-1,2-Dichloroethene  
Concen: 49.250 ug/L  
RT: 3.812 min Scan# 862  
Delta R.T. 0.007 min  
Lab File: VV036647.D  
Acq: 23 Jul 2024 15:30

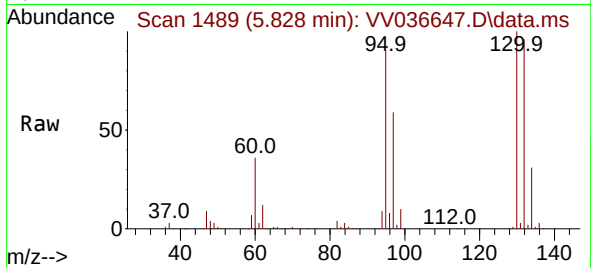
Tgt Ion: 96 Resp: 129917  
Ion Ratio Lower Upper  
96 100  
61 105.5 73.0 135.6  
98 63.0 44.8 83.2





#34  
Trichloroethene  
Concen: 390.121 ug/L  
RT: 5.828 min Scan# 1488  
Delta R.T. 0.003 min  
Lab File: VV036647.D  
Acq: 23 Jul 2024 15:30

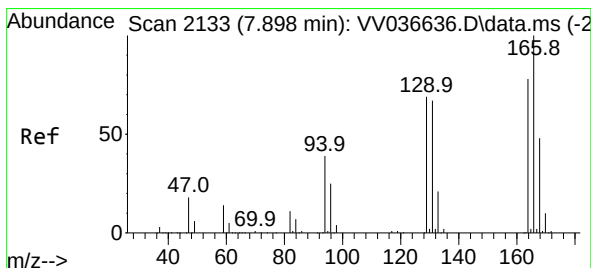
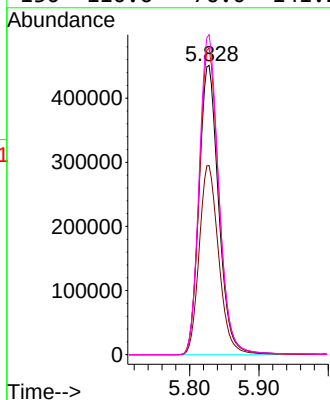
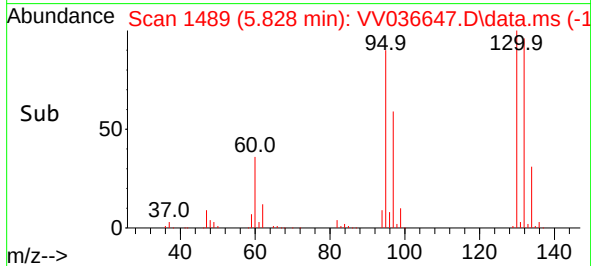
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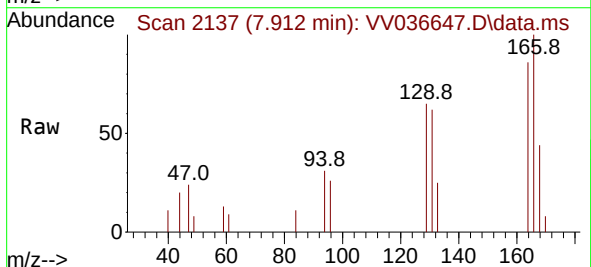
Tgt Ion: 95 Resp: 884586  
Ion Ratio Lower Upper  
95 100  
97 65.4 45.1 83.7  
132 106.0 72.7 134.9  
130 110.6 76.0 141.2

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#46  
Tetrachloroethene  
Concen: 1.008 ug/L  
RT: 7.912 min Scan# 2137  
Delta R.T. 0.013 min  
Lab File: VV036647.D  
Acq: 23 Jul 2024 15:30



Tgt Ion:164 Resp: 2267  
Ion Ratio Lower Upper  
164 100  
129 75.7 61.0 113.2  
131 72.3 60.1 111.5  
166 115.9 89.7 166.7

