

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_V\Data\VV072724\  
 Data File : VV036736.D  
 Acq On : 26 Jul 2024 17:15  
 Operator : SY/MD  
 Sample : P3382-01  
 Misc : 7.97g/10.0mL/MSVOA\_V/SOIL/A  
 ALS Vial : 14 Sample Multiplier: 1

Instrument :  
 MSVOA\_V  
 ClientSampleId :  
 E20R1

Manual Integrations  
 APPROVED

Reviewed By :Mahesh Dadoda 08/10/2024  
 Supervised By :Semsettin Yesilyurt 08/10/2024

Quant Time: Jul 27 04:18:17 2024  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_V\Method\SFAMVLM072224SMA.M  
 Quant Title : VOC Analysis  
 QLast Update : Sat Jul 27 04:14:21 2024  
 Response via : Initial Calibration

| Compound                      | R.T.           | QIon | Response   | Conc      | Units  | Dev(Min) |
|-------------------------------|----------------|------|------------|-----------|--------|----------|
| -----                         |                |      |            |           |        |          |
| Internal Standards            |                |      |            |           |        |          |
| 1) 1,4-Difluorobenzene        | 5.532          | 114  | 418318     | 25.000    | ug/L   | 0.00     |
| 28) Chlorobenzene-d5          | 8.783          | 117  | 290487     | 25.000    | ug/L   | 0.00     |
| 58) 1,4-Dichlorobenzene-d4    | 11.185         | 152  | 64871      | 25.000    | ug/L   | 0.00     |
|                               |                |      |            |           |        |          |
| System Monitoring Compounds   |                |      |            |           |        |          |
| 4) Vinyl Chloride-d3          | 1.272          | 65   | 59500      | 12.987    | ug/L   | 0.00     |
| Spiked Amount 25.000          | Range 30 - 150 |      | Recovery = | 51.960%   |        |          |
| 7) Chloroethane-d5            | 1.526          | 69   | 69476      | 16.789    | ug/L   | 0.00     |
| Spiked Amount 25.000          | Range 30 - 150 |      | Recovery = | 67.160%   |        |          |
| 11) 1,1-Dichloroethene-d2     | 2.050          | 65   | 24893      | 10.276    | ug/L   | 0.00     |
| Spiked Amount 25.000          | Range 45 - 110 |      | Recovery = | 41.120%#  |        |          |
| 21) 2-Butanone-d5             | 3.838          | 46   | 73580m     | 68.815    | ug/L   | -0.01    |
| Spiked Amount 50.000          | Range 20 - 135 |      | Recovery = | 137.640%# |        |          |
| 24) Chloroform-d              | 4.246          | 84   | 216057     | 19.529    | ug/L   | 0.00     |
| Spiked Amount 25.000          | Range 40 - 150 |      | Recovery = | 78.120%   |        |          |
| 26) 1,2-Dichloroethane-d4     | 4.940          | 65   | 109285     | 20.023    | ug/L   | 0.00     |
| Spiked Amount 25.000          | Range 70 - 130 |      | Recovery = | 80.080%   |        |          |
| 32) Benzene-d6                | 4.956          | 84   | 295854     | 21.489    | ug/L   | 0.00     |
| Spiked Amount 25.000          | Range 20 - 135 |      | Recovery = | 85.960%   |        |          |
| 36) 1,2-Dichloropropane-d6    | 5.985          | 67   | 113270     | 28.875    | ug/L   | 0.00     |
| Spiked Amount 25.000          | Range 70 - 120 |      | Recovery = | 115.480%  |        |          |
| 41) Toluene-d8                | 7.243          | 98   | 178399     | 13.578    | ug/L   | 0.00     |
| Spiked Amount 25.000          | Range 30 - 130 |      | Recovery = | 54.320%   |        |          |
| 43) trans-1,3-Dichloroprop... | 7.561          | 79   | 28730      | 16.475    | ug/L   | 0.00     |
| Spiked Amount 25.000          | Range 30 - 135 |      | Recovery = | 65.880%   |        |          |
| 47) 2-Hexanone-d5             | 8.034          | 63   | 34672      | 66.414    | ug/L   | 0.00     |
| Spiked Amount 50.000          | Range 20 - 135 |      | Recovery = | 132.820%  |        |          |
| 56) 1,1,2,2-Tetrachloroeth... | 10.152         | 84   | 95536      | 27.942    | ug/L   | 0.00     |
| Spiked Amount 25.000          | Range 45 - 120 |      | Recovery = | 111.760%  |        |          |
| 66) 1,2-Dichlorobenzene-d4    | 11.561         | 152  | 52324      | 23.106    | ug/L   | 0.00     |
| Spiked Amount 25.000          | Range 75 - 120 |      | Recovery = | 92.440%   |        |          |
|                               |                |      |            |           |        |          |
| Target Compounds              |                |      |            |           |        |          |
| 5) Vinyl chloride             | 1.278          | 62   | 337691     | 50.031    | ug/L   | 100      |
| 12) 1,1-Dichloroethene        | 2.059          | 96   | 50029      | 7.752     | ug/L # | 77       |
| 13) Acetone                   | 2.150          | 43   | 42424m     | 24.425    | ug/L   |          |
| 14) Carbon disulfide          | 2.230          | 76   | 19963      | 1.115     | ug/L   | 100      |
| 17) trans-1,2-Dichloroethene  | 2.686          | 96   | 69863      | 10.719    | ug/L   | 99       |
| 20) cis-1,2-Dichloroethene    | 3.805          | 96   | 1371489    | 201.500   | ug/L   | 98       |
| 34) Trichloroethene           | 5.828          | 95   | 133156     | 24.665    | ug/L   | 98       |
| -----                         |                |      |            |           |        |          |

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

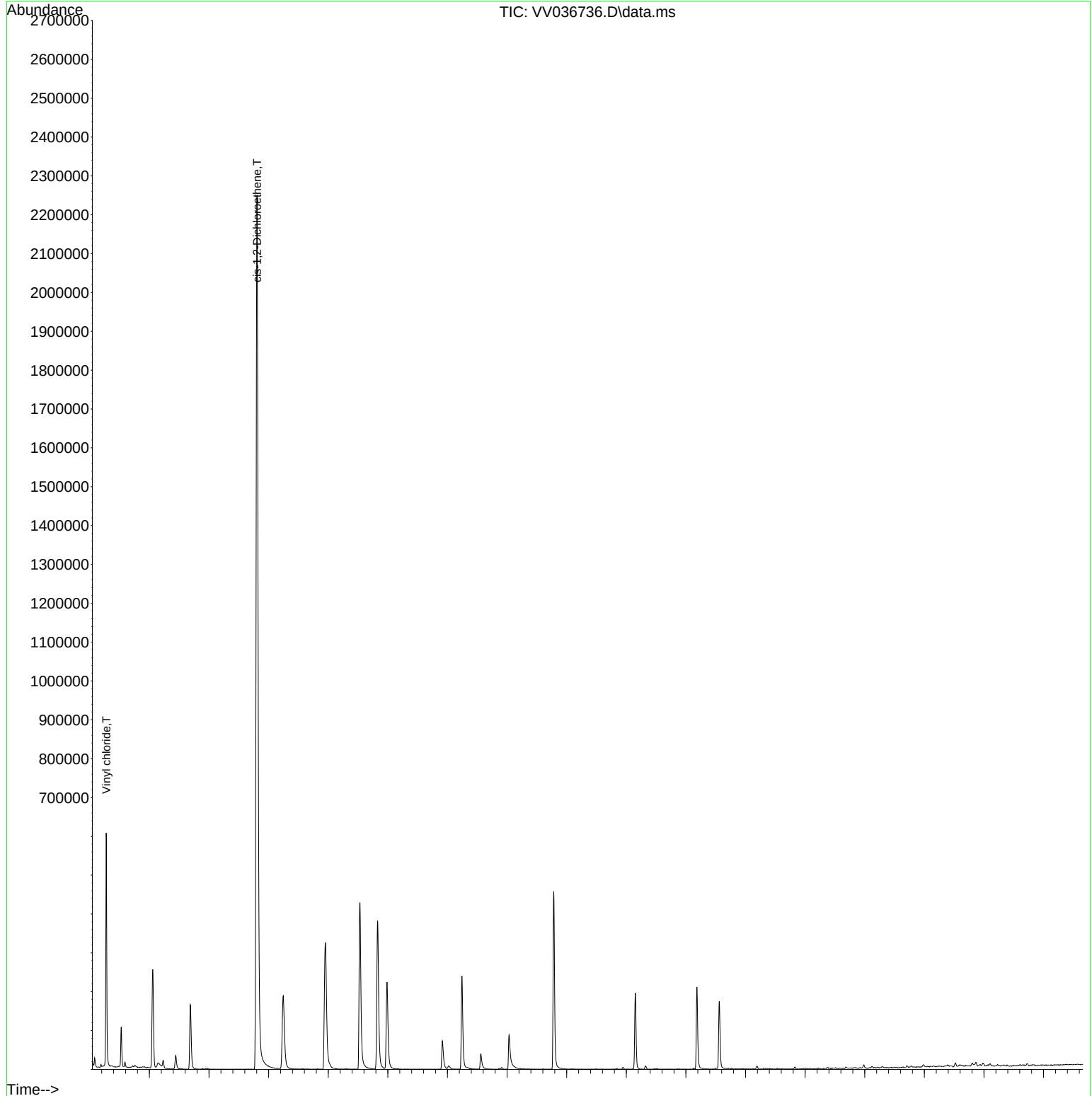
Data Path : Z:\voasrv\HPCHEM1\MSVOA\_V\Data\VV072724\  
Data File : VV036736.D  
Acq On : 26 Jul 2024 17:15  
Operator : SY/MD  
Sample : P3382-01  
Misc : 7.97g/10.0mL/MSVOA\_V/SOIL/A  
ALS Vial : 14 Sample Multiplier: 1

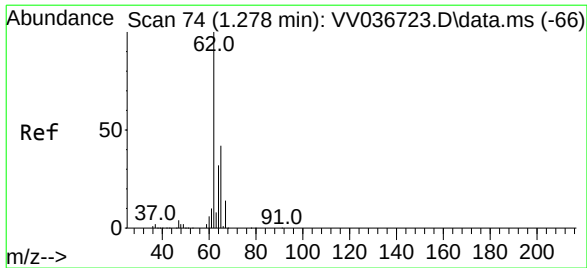
Instrument :  
MSVOA\_V  
ClientSampleId :  
E20R1

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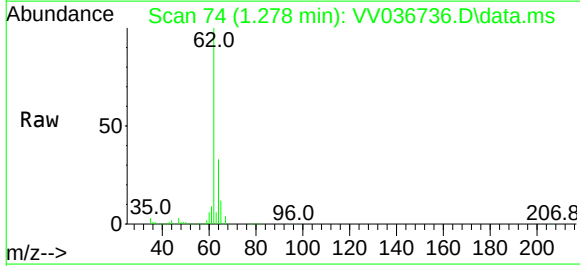
Quant Time: Jul 27 04:18:17 2024  
Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_V\Method\SFAMVLM072224SMA.M  
Quant Title : VOC Analysis  
QLast Update : Sat Jul 27 04:14:21 2024  
Response via : Initial Calibration





#5  
 Vinyl chloride  
 Concen: 50.031 ug/L  
 RT: 1.278 min Scan# 74  
 Delta R.T. -0.000 min  
 Lab File: VV036736.D  
 Acq: 26 Jul 2024 17:15

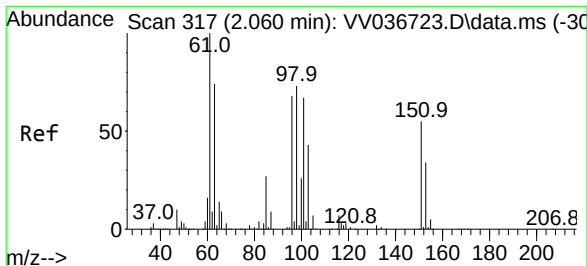
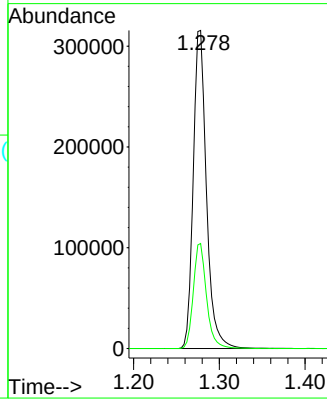
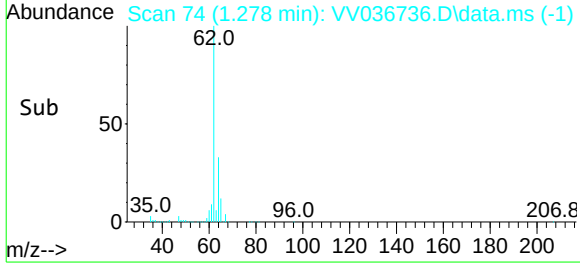
Instrument :  
 MSVOA\_V  
 ClientSampleId :  
 E20R1



Tgt Ion: 62 Resp: 337691  
 Ion Ratio Lower Upper  
 62 100  
 64 33.0 23.1 42.9

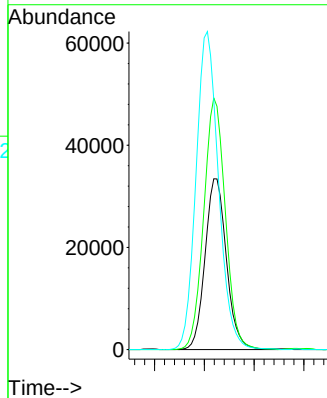
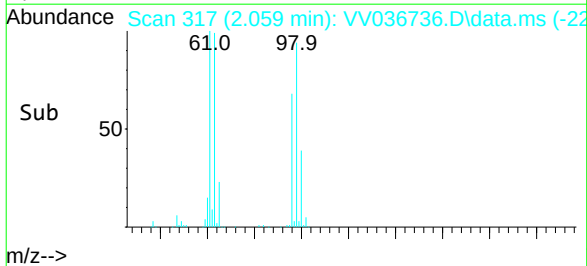
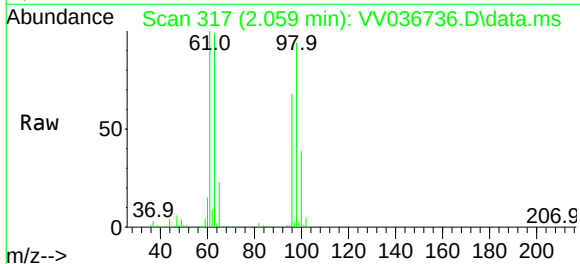
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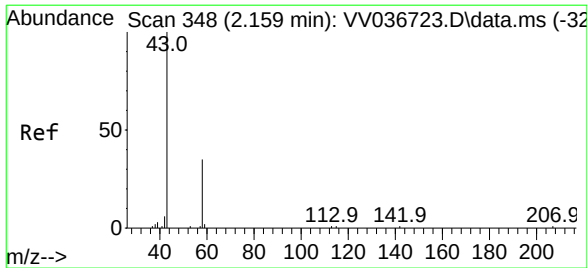
Reviewed By :Mahesh Dadoda 08/10/2024  
 Supervised By :Semsettin Yesilyurt 08/10/2024



#12  
 1,1-Dichloroethene  
 Concen: 7.752 ug/L  
 RT: 2.059 min Scan# 317  
 Delta R.T. -0.000 min  
 Lab File: VV036736.D  
 Acq: 26 Jul 2024 17:15

Tgt Ion: 96 Resp: 50029  
 Ion Ratio Lower Upper  
 96 100  
 61 147.3 102.3 189.9  
 63 146.5 64.1 119.1#





#13

Acetone

Concen: 24.425 ug/L m

RT: 2.150 min Scan# 34

Delta R.T. -0.010 min

Lab File: VV036736.D

Acq: 26 Jul 2024 17:15

Instrument :

MSVOA\_V

ClientSampleId :

E20R1

Tgt Ion: 43 Resp: 42424

Ion Ratio Lower Upper

43 100

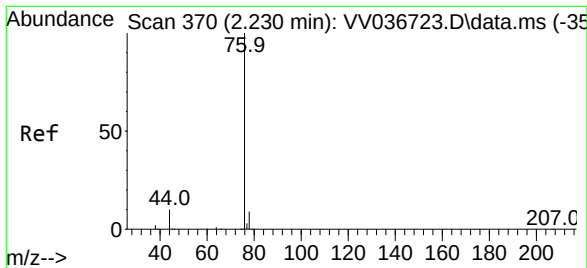
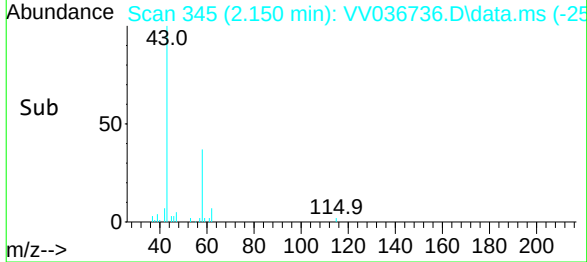
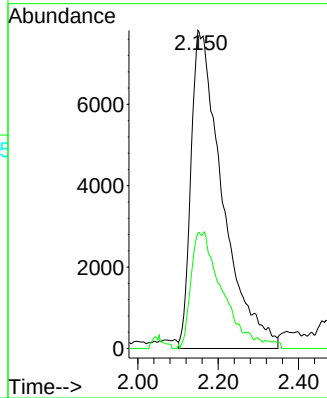
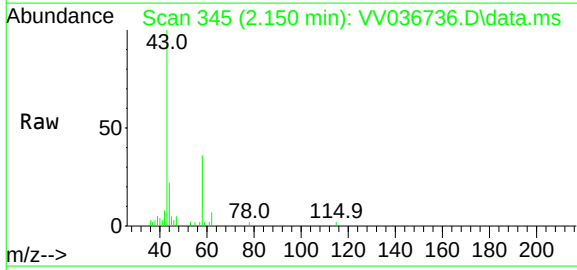
58 0.0 0.0 23.0

Manual Integrations

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#14

Carbon disulfide

Concen: 1.115 ug/L

RT: 2.230 min Scan# 370

Delta R.T. -0.000 min

Lab File: VV036736.D

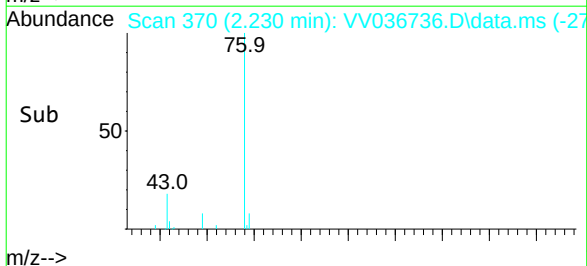
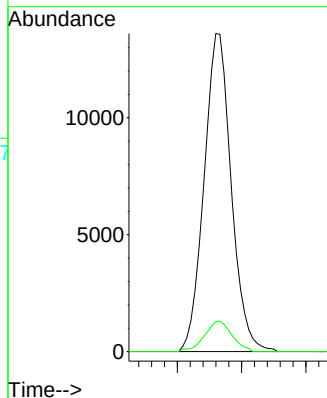
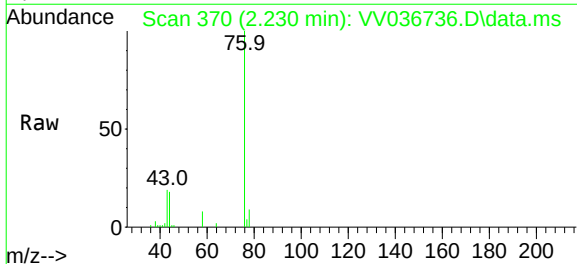
Acq: 26 Jul 2024 17:15

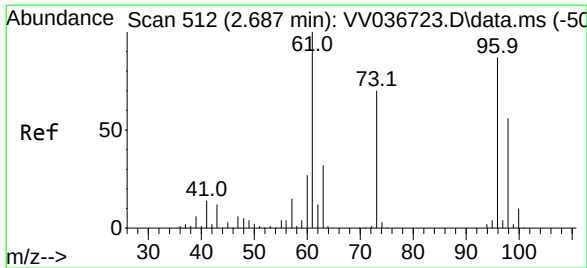
Tgt Ion: 76 Resp: 19963

Ion Ratio Lower Upper

76 100

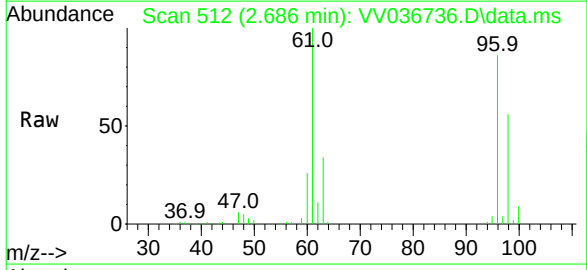
78 9.3 7.5 11.3





#17  
trans-1,2-Dichloroethene  
Concen: 10.719 ug/L  
RT: 2.686 min Scan# 512  
Delta R.T. -0.000 min  
Lab File: VV036736.D  
Acq: 26 Jul 2024 17:15

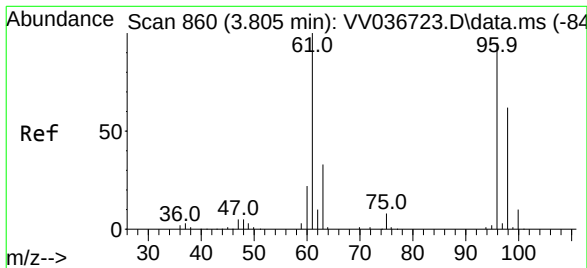
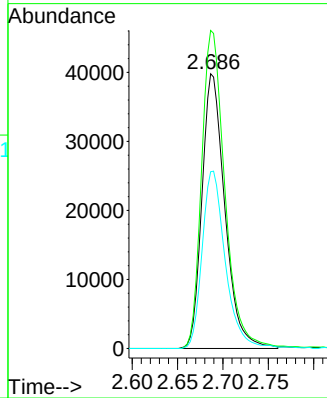
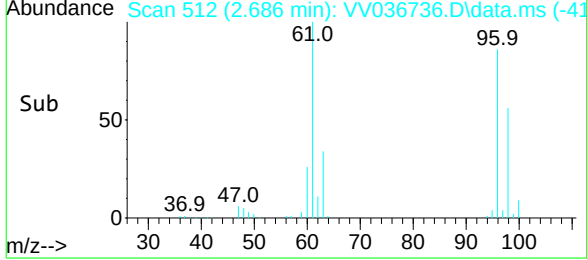
Instrument :  
MSVOA\_V  
ClientSampleId :  
E20R1



Tgt Ion: 96 Resp: 69863  
Ion Ratio Lower Upper  
96 100  
61 115.8 81.5 151.5  
98 64.3 44.3 82.3

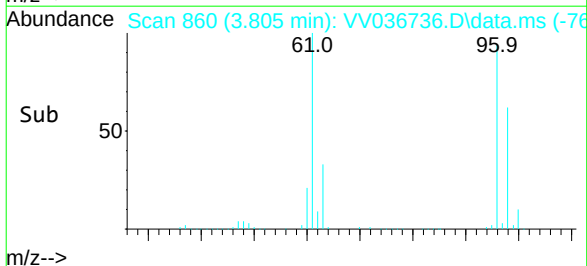
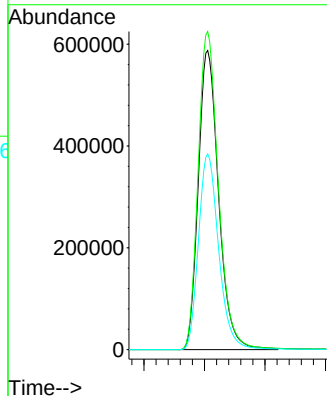
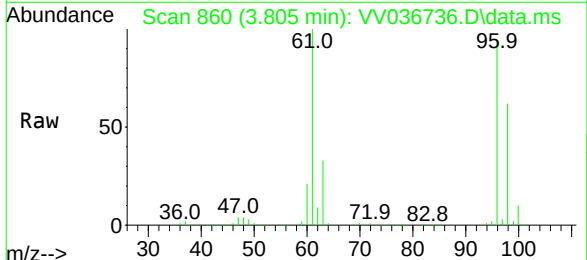
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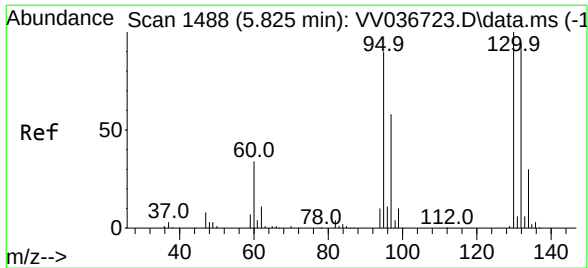
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#20  
cis-1,2-Dichloroethene  
Concen: 201.500 ug/L  
RT: 3.805 min Scan# 860  
Delta R.T. -0.000 min  
Lab File: VV036736.D  
Acq: 26 Jul 2024 17:15

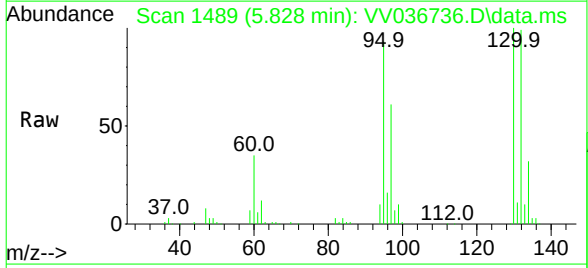
Tgt Ion: 96 Resp: 1371489  
Ion Ratio Lower Upper  
96 100  
61 106.4 73.0 135.6  
98 65.4 44.8 83.2





#34  
 Trichloroethene  
 Concen: 24.665 ug/L  
 RT: 5.828 min Scan# 1488  
 Delta R.T. 0.003 min  
 Lab File: VV036736.D  
 Acq: 26 Jul 2024 17:15

Instrument :  
 MSVOA\_V  
 ClientSampleId :  
 E20R1



|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 95    | Resp: | 133156 |
| Ion      | Ratio | Lower | Upper  |
| 95       | 100   |       |        |
| 97       | 65.5  | 45.1  | 83.7   |
| 132      | 106.5 | 72.7  | 134.9  |
| 130      | 107.2 | 76.0  | 141.2  |

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