

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_Y\Data\VY120621\  
 Data File : VY006969.D  
 Acq On : 06 Dec 2021 18:25  
 Operator : SY/MD  
 Sample : M4887-15  
 Misc : 4.37g/10.0mL/MSVOA\_Y/SOIL  
 ALS Vial : 16 Sample Multiplier: 1

Instrument :  
 MSVOA\_Y  
 ClientSampleId :  
 EX8C9

Manual Integrations  
 APPROVED

Reviewed By : Semsettin Yesilyurt 12/14/2021  
 Supervised By : Mahesh Dadoda 12/14/2021

Quant Time: Dec 07 00:48:49 2021  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_Y\methods\SFAMLYM120321SMA.M  
 Quant Title : VOC Analysis  
 QLast Update : Tue Dec 07 00:43:47 2021  
 Response via : Initial Calibration

| Compound                      | R.T.           | QIon | Response             | Conc    | Units  | Dev(Min) |
|-------------------------------|----------------|------|----------------------|---------|--------|----------|
| -----                         |                |      |                      |         |        |          |
| Internal Standards            |                |      |                      |         |        |          |
| 1) 1,4-Difluorobenzene        | 8.685          | 114  | 65103                | 25.000  | ug/L   | 0.00     |
| 28) Chlorobenzene-d5          | 11.483         | 117  | 29836                | 25.000  | ug/L   | 0.00     |
| 58) 1,4-Dichlorobenzene-d4    | 13.422         | 152  | 5626                 | 25.000  | ug/L   | 0.00     |
|                               |                |      |                      |         |        |          |
| System Monitoring Compounds   |                |      |                      |         |        |          |
| 4) Vinyl Chloride-d3          | 2.241          | 65   | 37027                | 44.160  | ug/L   | -0.01    |
| Spiked Amount 25.000          | Range 30 - 150 |      | Recovery = 176.640%# |         |        |          |
| 7) Chloroethane-d5            | 2.765          | 69   | 24537                | 37.305  | ug/L   | 0.00     |
| Spiked Amount 25.000          | Range 30 - 150 |      | Recovery = 149.200%  |         |        |          |
| 11) 1,1-Dichloroethene-d2     | 3.851          | 63   | 33899                | 19.447  | ug/L   | 0.00     |
| Spiked Amount 25.000          | Range 45 - 110 |      | Recovery = 77.800%   |         |        |          |
| 21) 2-Butanone-d5             | 6.881          | 46   | 4053m                | 12.515  | ug/L   | 0.00     |
| Spiked Amount 50.000          | Range 20 - 135 |      | Recovery = 25.040%   |         |        |          |
| 24) Chloroform-d              | 7.472          | 84   | 41857                | 25.799  | ug/L   | 0.00     |
| Spiked Amount 25.000          | Range 40 - 150 |      | Recovery = 103.200%  |         |        |          |
| 26) 1,2-Dichloroethane-d4     | 8.136          | 65   | 22561                | 23.166  | ug/L   | 0.00     |
| Spiked Amount 25.000          | Range 70 - 130 |      | Recovery = 92.680%   |         |        |          |
| 32) Benzene-d6                | 8.106          | 84   | 75960                | 47.928  | ug/L   | 0.00     |
| Spiked Amount 25.000          | Range 20 - 135 |      | Recovery = 191.720%# |         |        |          |
| 36) 1,2-Dichloropropane-d6    | 9.124          | 67   | 23255                | 46.700  | ug/L   | 0.00     |
| Spiked Amount 25.000          | Range 70 - 120 |      | Recovery = 186.800%# |         |        |          |
| 41) Toluene-d8                | 10.179         | 98   | 43345                | 29.201  | ug/L   | 0.00     |
| Spiked Amount 25.000          | Range 30 - 130 |      | Recovery = 116.800%  |         |        |          |
| 43) trans-1,3-Dichloroprop... | 10.435         | 79   | 4496                 | 18.667  | ug/L   | 0.00     |
| Spiked Amount 25.000          | Range 30 - 135 |      | Recovery = 74.680%   |         |        |          |
| 47) 2-Hexanone-d5             | 10.788         | 63   | 2302                 | 19.974  | ug/L   | 0.00     |
| Spiked Amount 50.000          | Range 20 - 135 |      | Recovery = 39.940%   |         |        |          |
| 56) 1,1,2,2-Tetrachloroeth... | 12.556         | 84   | 15357                | 37.017  | ug/L   | 0.00     |
| Spiked Amount 25.000          | Range 45 - 120 |      | Recovery = 148.080%# |         |        |          |
| 66) 1,2-Dichlorobenzene-d4    | 13.721         | 152  | 3974                 | 21.660  | ug/L   | 0.00     |
| Spiked Amount 25.000          | Range 75 - 120 |      | Recovery = 86.640%   |         |        |          |
|                               |                |      |                      |         |        |          |
| Target Compounds              |                |      |                      |         |        | Qvalue   |
| 13) Acetone                   | 3.948          | 43   | 1855m                | 6.250   | ug/L   |          |
| 16) Methylene chloride        | 4.710          | 84   | 7221                 | 6.185   | ug/L   | 84       |
| 27) 1,2-Dichloroethane        | 8.234          | 62   | 2100                 | 1.628   | ug/L # | 92       |
| 34) Trichloroethene           | 8.935          | 95   | 255230               | 516.582 | ug/L   | 92       |
| 42) Toluene                   | 10.246         | 91   | 2296                 | 1.073   | ug/L   | 100      |
| 45) 1,1,2-Trichloroethane     | 10.642         | 97   | 2461                 | 6.496   | ug/L   | 92       |
| 46) Tetrachloroethene         | 10.715         | 164  | 1886                 | 4.556   | ug/L   | 98       |
| -----                         |                |      |                      |         |        |          |

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

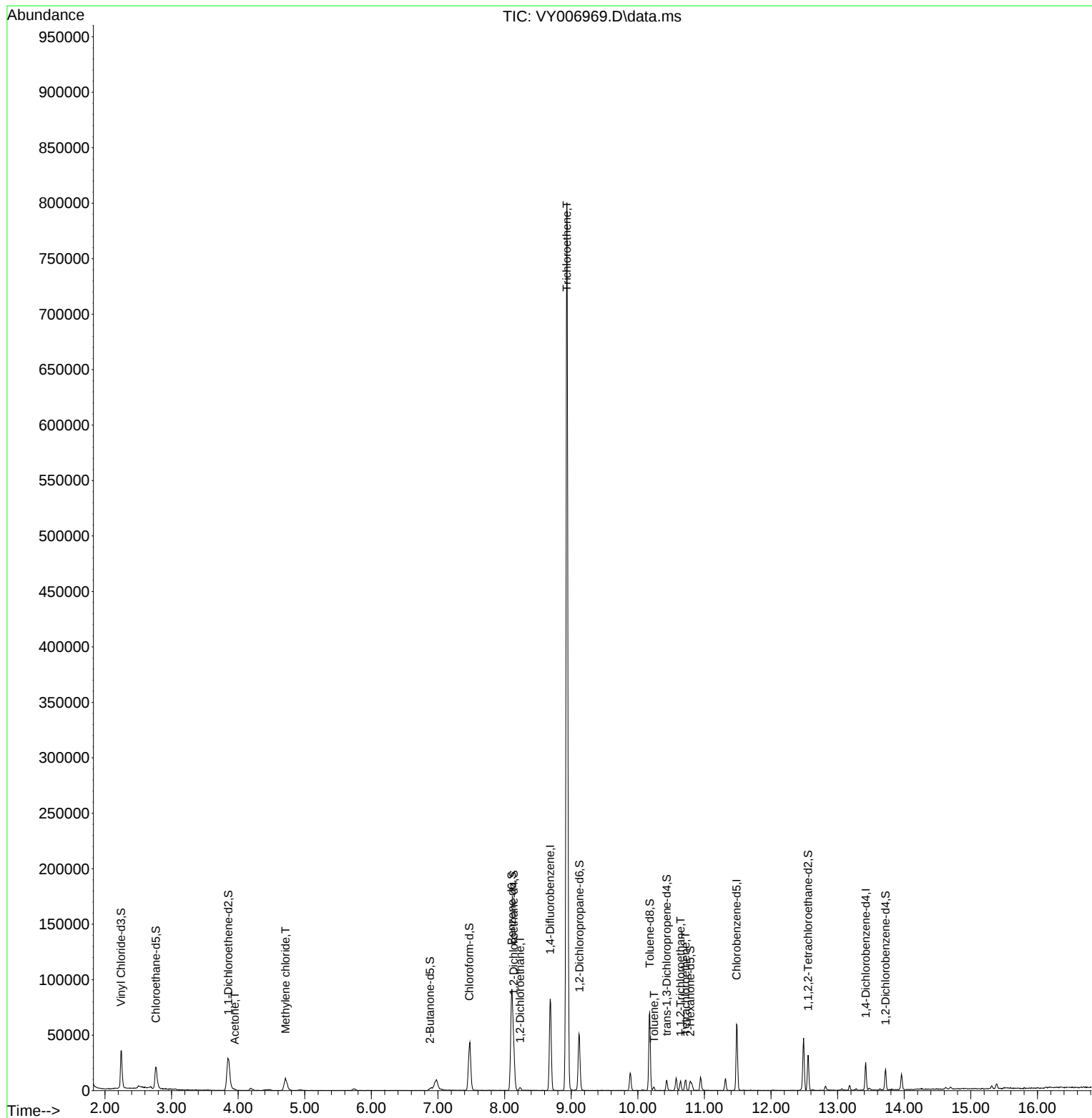
Data Path : Z:\voasrv\HPCHEM1\MSVOA\_Y\Data\VY120621\  
Data File : VY006969.D  
Acq On : 06 Dec 2021 18:25  
Operator : SY/MD  
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ALS Vial : 16 Sample Multiplier: 1

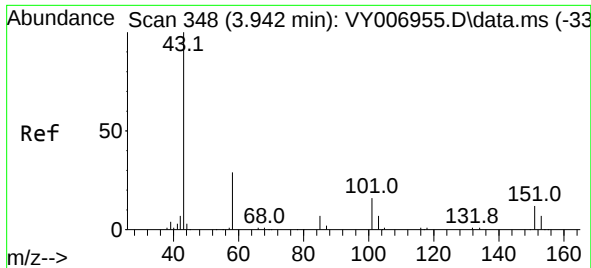
Instrument :  
MSVOA\_Y  
ClientSampleId :  
EX8C9

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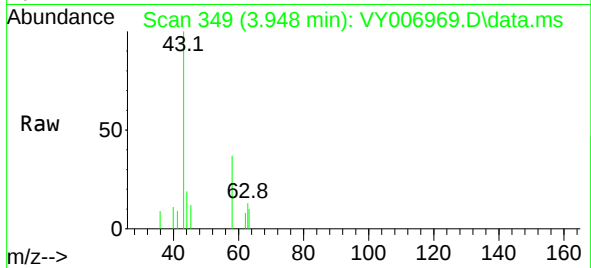
Quant Time: Dec 07 00:48:49 2021  
Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_Y\methods\SFAMYLEM120321SMA.M  
Quant Title : VOC Analysis  
QLast Update : Tue Dec 07 00:43:47 2021  
Response via : Initial Calibration





#13  
Acetone  
Concen: 6.250 ug/L m  
RT: 3.948 min Scan# 348  
Delta R.T. 0.006 min  
Lab File: VY006969.D  
Acq: 06 Dec 2021 18:25

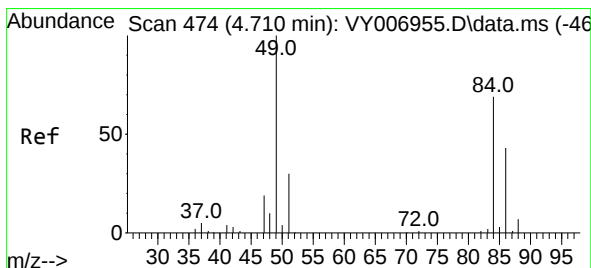
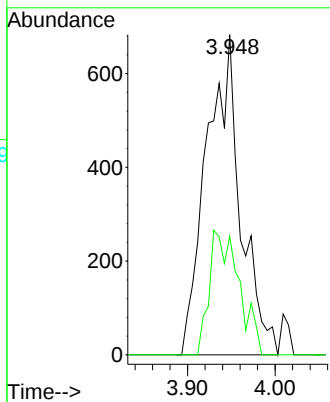
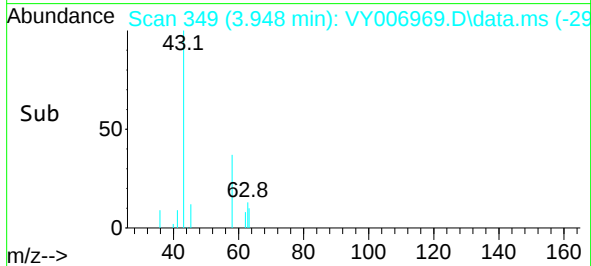
Instrument :  
MSVOA\_Y  
ClientSampleId :  
EX8C9



Tgt Ion: 43 Resp: 185  
Ion Ratio Lower Upper  
43 100  
58 17.7 0.0 60.8

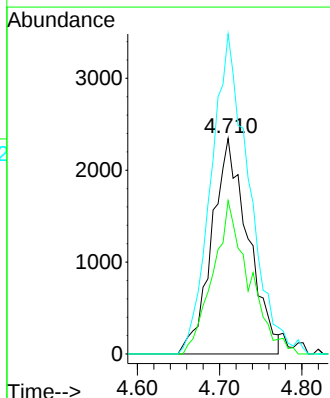
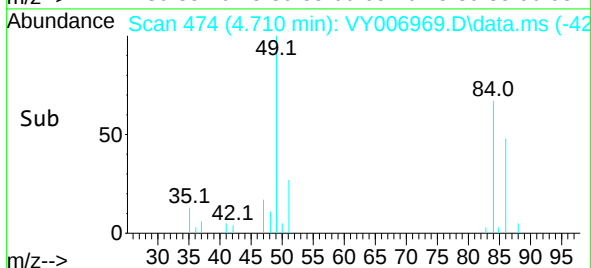
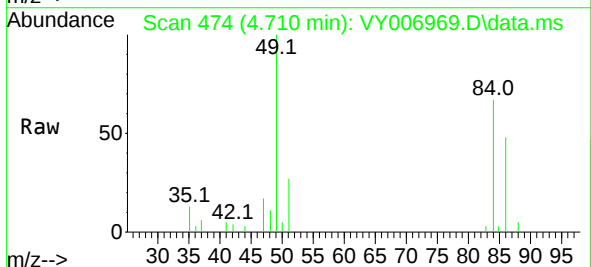
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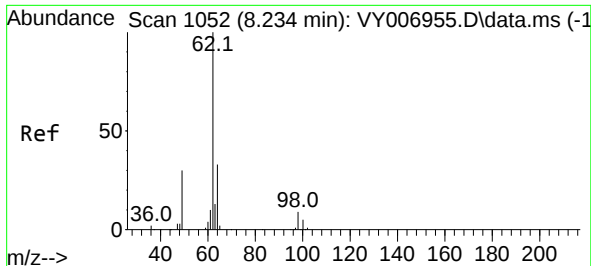
Reviewed By :Semsettin Yesilyurt 12/14/2021  
Supervised By :Mahesh Dadoda 12/14/2021



#16  
Methylene chloride  
Concen: 6.185 ug/L  
RT: 4.710 min Scan# 474  
Delta R.T. 0.000 min  
Lab File: VY006969.D  
Acq: 06 Dec 2021 18:25

Tgt Ion: 84 Resp: 7221  
Ion Ratio Lower Upper  
84 100  
86 71.1 43.4 80.6  
49 148.5 89.1 165.5





#27

1,2-Dichloroethane

Concen: 1.628 ug/L

RT: 8.234 min Scan# 1052

Delta R.T. 0.000 min

Lab File: VY006969.D

Acq: 06 Dec 2021 18:25

Instrument :

MSVOA\_Y

ClientSampleId :

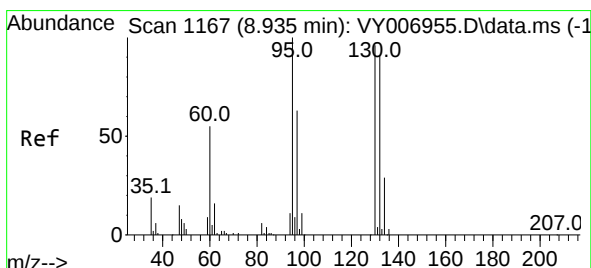
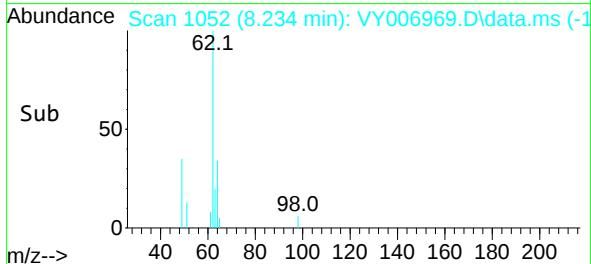
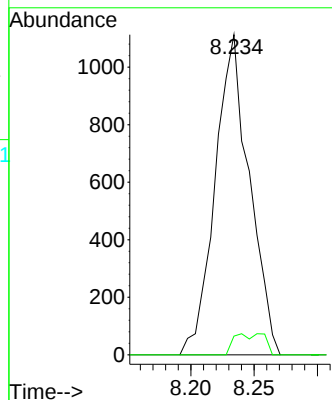
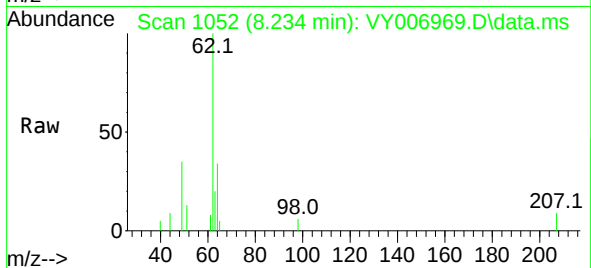
EX8C9

Tgt Ion: 62 Resp: 2100  
 Ion Ratio Lower Upper  
 62 100  
 98 5.8 6.9 10.3

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#34

Trichloroethene

Concen: 516.582 ug/L

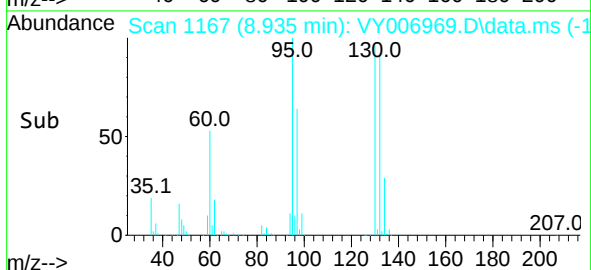
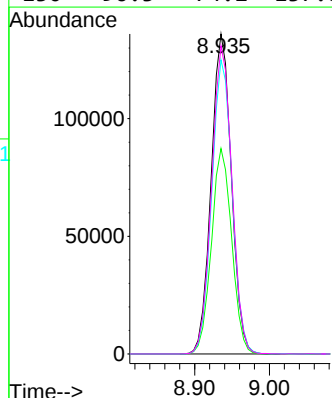
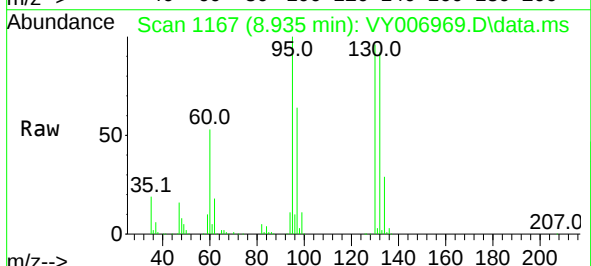
RT: 8.935 min Scan# 1167

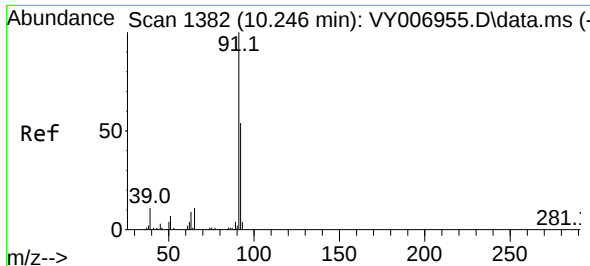
Delta R.T. 0.000 min

Lab File: VY006969.D

Acq: 06 Dec 2021 18:25

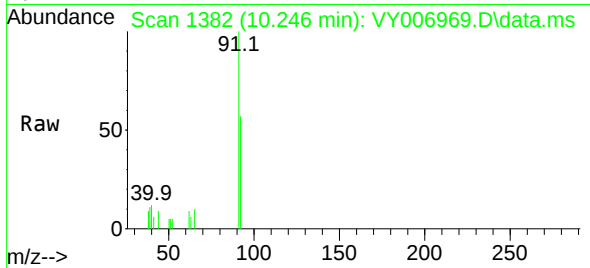
Tgt Ion: 95 Resp: 255230  
 Ion Ratio Lower Upper  
 95 100  
 97 64.2 47.3 87.8  
 132 91.9 71.3 132.5  
 130 96.3 74.2 137.8





#42  
Toluene  
Concen: 1.073 ug/L  
RT: 10.246 min Scan# 1382  
Delta R.T. 0.000 min  
Lab File: VY006969.D  
Acq: 06 Dec 2021 18:25

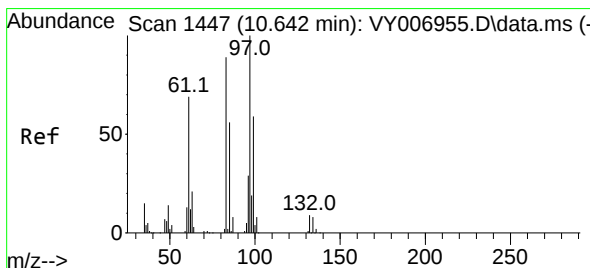
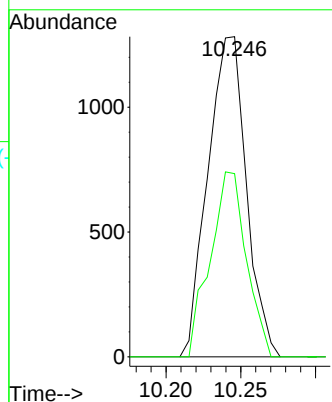
Instrument :  
MSVOA\_Y  
ClientSampleId :  
EX8C9



Tgt Ion: 91 Resp: 2290  
Ion Ratio Lower Upper  
91 100  
92 57.2 39.8 74.0

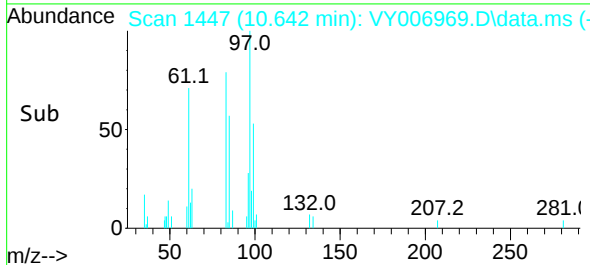
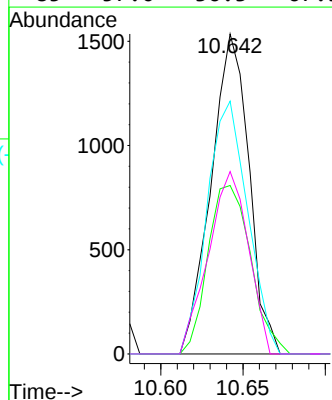
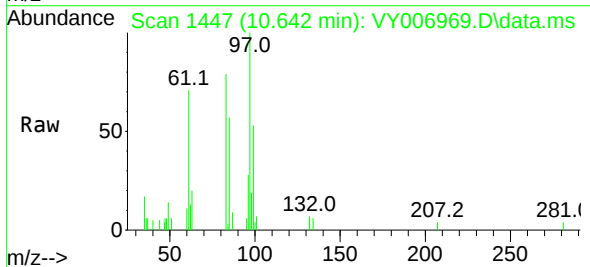
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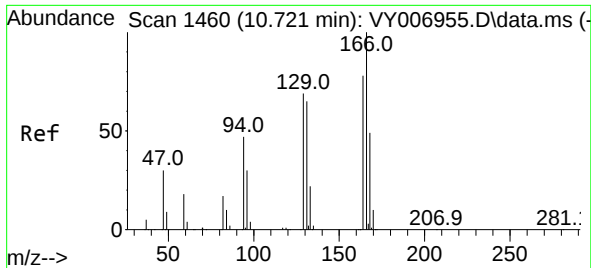
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#45  
1,1,2-Trichloroethane  
Concen: 6.496 ug/L  
RT: 10.642 min Scan# 1447  
Delta R.T. 0.000 min  
Lab File: VY006969.D  
Acq: 06 Dec 2021 18:25

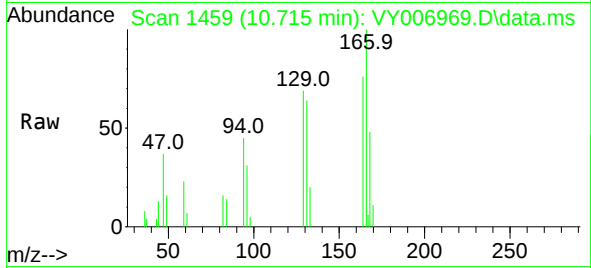
Tgt Ion: 97 Resp: 2461  
Ion Ratio Lower Upper  
97 100  
99 52.6 43.0 79.8  
83 79.0 58.9 109.3  
85 57.0 36.3 67.3





#46  
Tetrachloroethene  
Concen: 4.556 ug/L  
RT: 10.715 min Scan# 1460  
Delta R.T. -0.006 min  
Lab File: VY006969.D  
Acq: 06 Dec 2021 18:25

Instrument :  
MSVOA\_Y  
ClientSampleId :  
EX8C9



|             |       |             |
|-------------|-------|-------------|
| Tgt Ion:164 | Resp: | 1880        |
| Ion         | Ratio | Lower Upper |
| 164         | 100   |             |
| 129         | 90.4  | 62.1 115.3  |
| 131         | 84.1  | 61.0 113.2  |
| 166         | 131.4 | 90.4 168.0  |

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