

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_V\DATA\VV092724\  
 Data File : VV037602.D  
 Acq On : 27 Sep 2024 13:49  
 Operator : SY/MD  
 Sample : P4184-09  
 Misc : 5mL/MSVOA\_V/WATER  
 ALS Vial : 1 Sample Multiplier: 1

Instrument :  
 MSVOA\_V  
 ClientSampleId :  
 EY037

Quant Time: Sep 27 23:49:11 2024  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_V\Method\SFAMVLM092624WMA.M  
 Quant Title : VOC Analysis  
 QLast Update : Fri Sep 27 23:45:04 2024  
 Response via : Initial Calibration

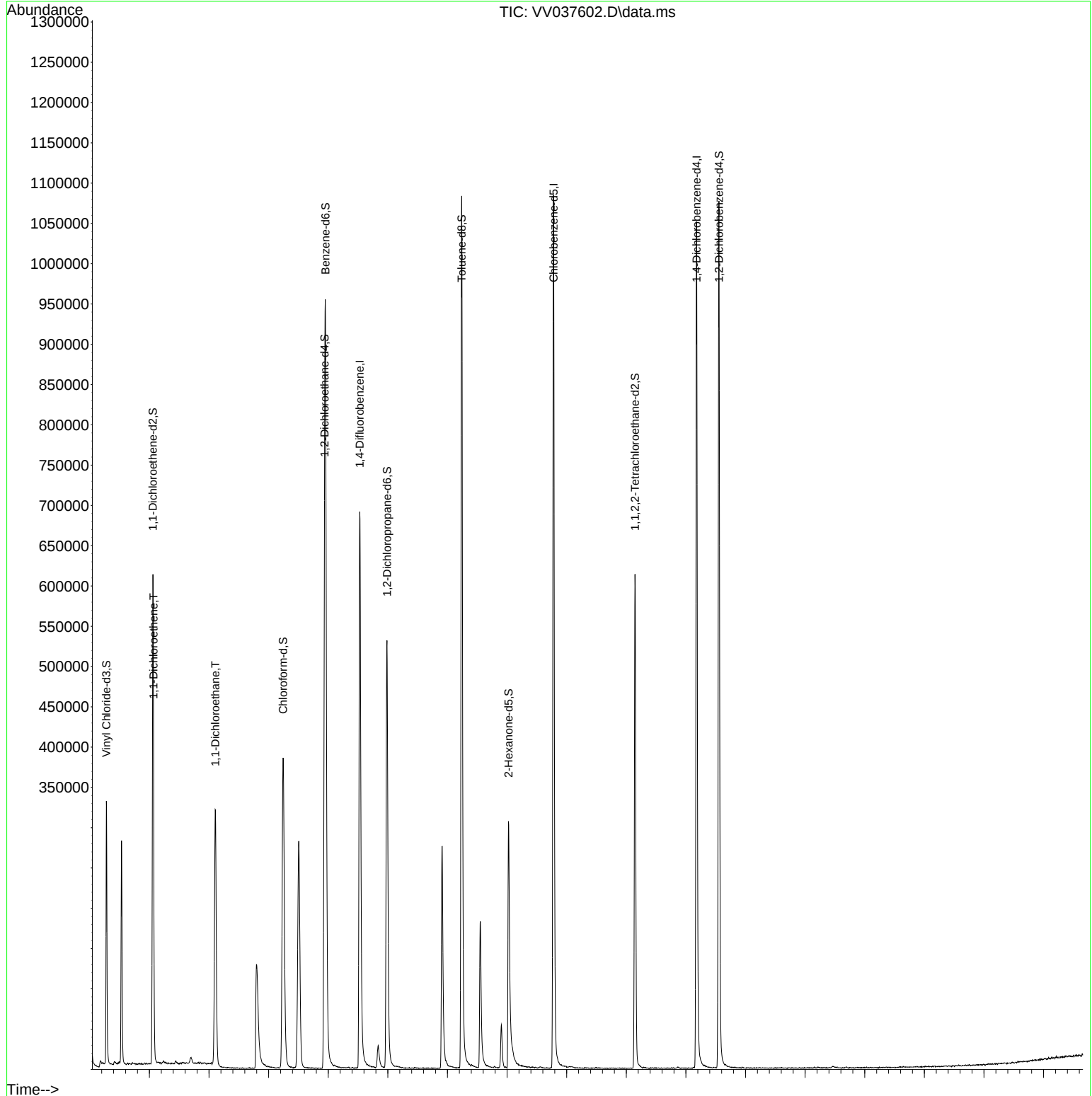
| Compound                      | R.T.           | QIon | Response   | Conc    | Units  | Dev(Min) |
|-------------------------------|----------------|------|------------|---------|--------|----------|
| -----                         |                |      |            |         |        |          |
| Internal Standards            |                |      |            |         |        |          |
| 1) 1,4-Difluorobenzene        | 5.529          | 114  | 618708     | 50.000  | ug/L   | 0.00     |
| 28) Chlorobenzene-d5          | 8.779          | 117  | 600707     | 50.000  | ug/L   | 0.00     |
| 58) 1,4-Dichlorobenzene-d4    | 11.178         | 152  | 272576     | 50.000  | ug/L   | 0.00     |
|                               |                |      |            |         |        |          |
| System Monitoring Compounds   |                |      |            |         |        |          |
| 4) Vinyl Chloride-d3          | 1.278          | 65   | 219813     | 40.472  | ug/L   | 0.00     |
| Spiked Amount 50.000          | Range 60 - 135 |      | Recovery = | 80.940% |        |          |
| 7) Chloroethane-d5            | 1.532          | 69   | 180964     | 42.925  | ug/L   | 0.00     |
| Spiked Amount 50.000          | Range 70 - 130 |      | Recovery = | 85.860% |        |          |
| 11) 1,1-Dichloroethene-d2     | 2.059          | 65   | 97112      | 42.797  | ug/L   | 0.00     |
| Spiked Amount 50.000          | Range 60 - 125 |      | Recovery = | 85.600% |        |          |
| 21) 2-Butanone-d5             | 3.796          | 46   | 164002     | 84.777  | ug/L   | 0.00     |
| Spiked Amount 100.000         | Range 40 - 130 |      | Recovery = | 84.780% |        |          |
| 24) Chloroform-d              | 4.243          | 84   | 422991     | 43.775  | ug/L   | 0.00     |
| Spiked Amount 50.000          | Range 70 - 125 |      | Recovery = | 87.540% |        |          |
| 26) 1,2-Dichloroethane-d4     | 4.937          | 65   | 254239     | 44.951  | ug/L   | 0.00     |
| Spiked Amount 50.000          | Range 70 - 125 |      | Recovery = | 89.900% |        |          |
| 32) Benzene-d6                | 4.953          | 84   | 835174     | 44.431  | ug/L   | 0.00     |
| Spiked Amount 50.000          | Range 70 - 125 |      | Recovery = | 88.860% |        |          |
| 36) 1,2-Dichloropropane-d6    | 5.985          | 67   | 267876     | 44.753  | ug/L   | 0.00     |
| Spiked Amount 50.000          | Range 70 - 120 |      | Recovery = | 89.500% |        |          |
| 41) Toluene-d8                | 7.239          | 98   | 739411     | 43.380  | ug/L   | 0.00     |
| Spiked Amount 50.000          | Range 80 - 120 |      | Recovery = | 86.760% |        |          |
| 43) trans-1,3-Dichloroprop... | 7.551          | 79   | 113603     | 40.856  | ug/L   | 0.00     |
| Spiked Amount 50.000          | Range 60 - 125 |      | Recovery = | 81.720% |        |          |
| 47) 2-Hexanone-d5             | 8.024          | 63   | 106760     | 84.467  | ug/L   | 0.00     |
| Spiked Amount 100.000         | Range 45 - 130 |      | Recovery = | 84.470% |        |          |
| 56) 1,1,2,2-Tetrachloroeth... | 10.146         | 84   | 302583     | 43.507  | ug/L   | 0.00     |
| Spiked Amount 50.000          | Range 65 - 120 |      | Recovery = | 87.020% |        |          |
| 66) 1,2-Dichlorobenzene-d4    | 11.554         | 152  | 279045     | 48.583  | ug/L   | 0.00     |
| Spiked Amount 50.000          | Range 80 - 120 |      | Recovery = | 97.160% |        |          |
|                               |                |      |            |         |        |          |
| Target Compounds              |                |      |            |         | Qvalue |          |
| 12) 1,1-Dichloroethene        | 2.069          | 96   | 15401      | 3.739   | ug/L   | # 1      |
| 19) 1,1-Dichloroethane        | 3.108          | 63   | 313429     | 37.541  | ug/L   | 100      |
| 20) cis-1,2-Dichloroethene    | 3.815          | 96   | 20905      | 4.287   | ug/L   | 98       |
| 30) 1,1,1-Trichloroethane     | 4.506          | 97   | 235496     | 31.830  | ug/L   | 99       |
| 34) Trichloroethene           | 5.844          | 95   | 8318       | 1.724   | ug/L   | 89       |
| 46) Tetrachloroethene         | 7.902          | 164  | 12670      | 3.435   | ug/L   | 88       |
| -----                         |                |      |            |         |        |          |

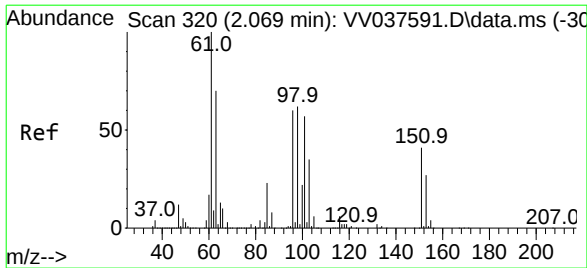
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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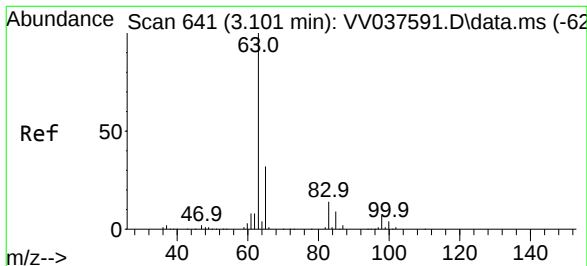
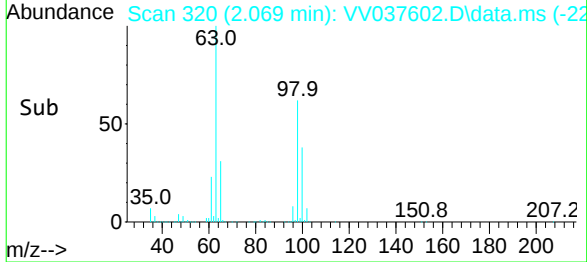
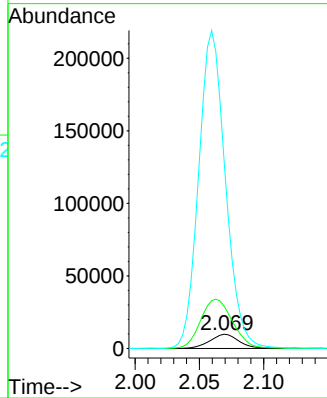
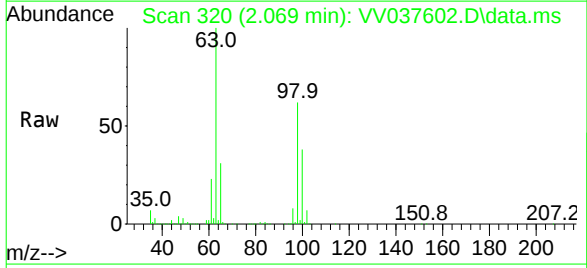




#12  
1,1-Dichloroethene  
Concen: 3.739 ug/L  
RT: 2.069 min Scan# 320  
Delta R.T. 0.000 min  
Lab File: VV037602.D  
Acq: 27 Sep 2024 13:49

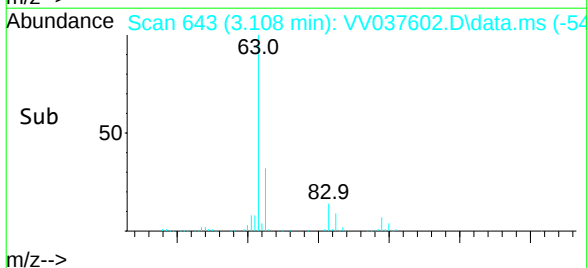
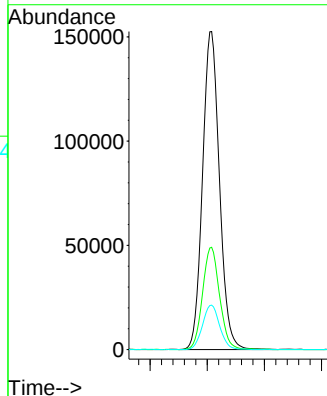
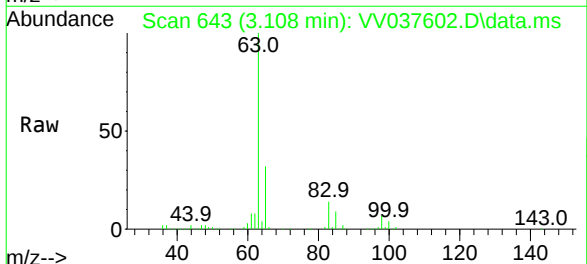
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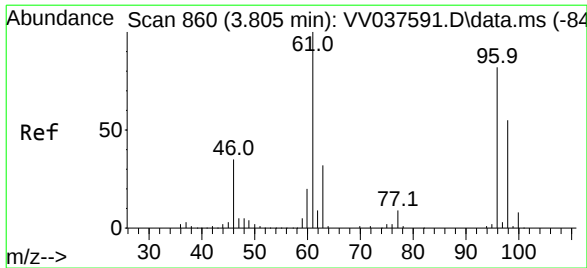
Tgt Ion: 96 Resp: 15401  
Ion Ratio Lower Upper  
96 100  
61 297.3 122.6 227.6#  
63 1321.0 118.0 219.2#



#19  
1,1-Dichloroethane  
Concen: 37.541 ug/L  
RT: 3.108 min Scan# 643  
Delta R.T. 0.006 min  
Lab File: VV037602.D  
Acq: 27 Sep 2024 13:49

Tgt Ion: 63 Resp: 313429  
Ion Ratio Lower Upper  
63 100  
65 32.2 22.4 41.6  
83 14.0 9.5 17.7

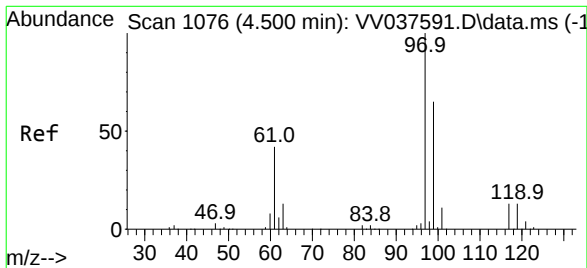
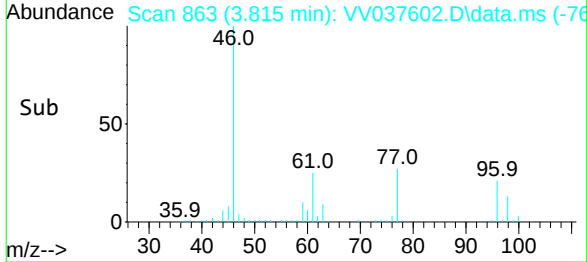
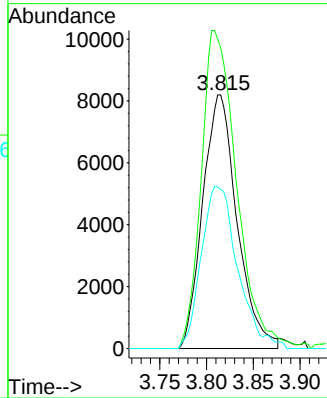
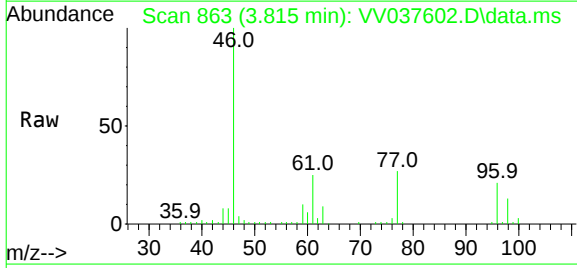




#20  
cis-1,2-Dichloroethene  
Concen: 4.287 ug/L  
RT: 3.815 min Scan# 860  
Delta R.T. 0.010 min  
Lab File: VV037602.D  
Acq: 27 Sep 2024 13:49

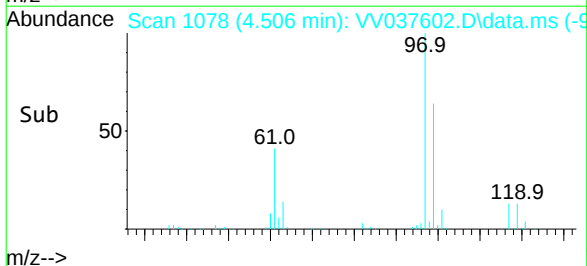
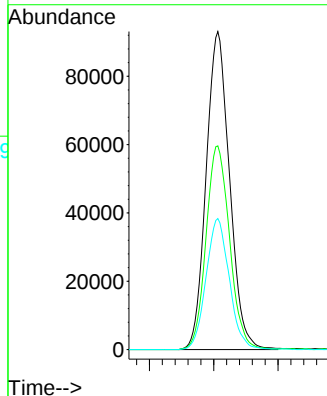
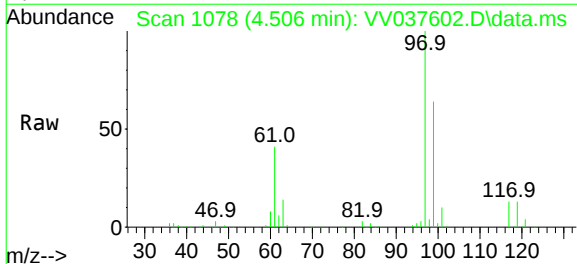
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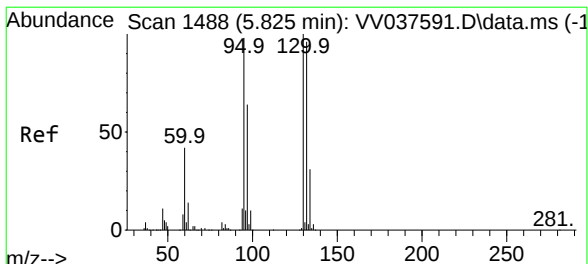
| Tgt Ion | 96    | Resp  | 20905 |
|---------|-------|-------|-------|
| Ion     | Ratio | Lower | Upper |
| 96      | 100   |       |       |
| 61      | 118.6 | 85.0  | 157.8 |
| 98      | 62.7  | 44.2  | 82.0  |



#30  
1,1,1-Trichloroethane  
Concen: 31.830 ug/L  
RT: 4.506 min Scan# 1078  
Delta R.T. 0.006 min  
Lab File: VV037602.D  
Acq: 27 Sep 2024 13:49

| Tgt Ion | 97    | Resp  | 235496 |
|---------|-------|-------|--------|
| Ion     | Ratio | Lower | Upper  |
| 97      | 100   |       |        |
| 99      | 64.5  | 51.8  | 77.6   |
| 61      | 40.9  | 33.6  | 50.4   |

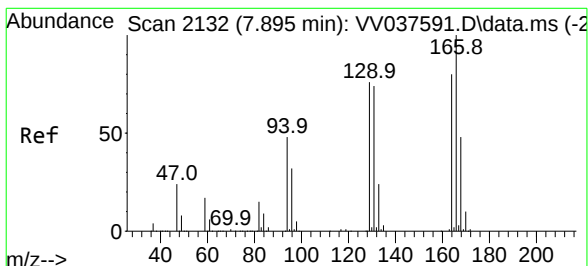
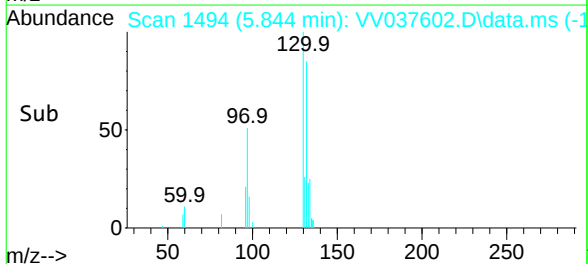
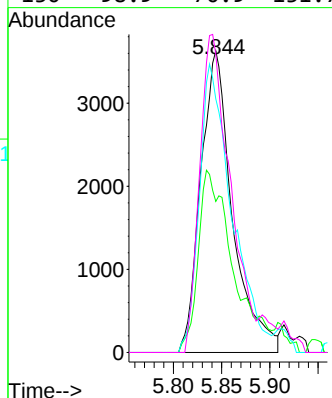
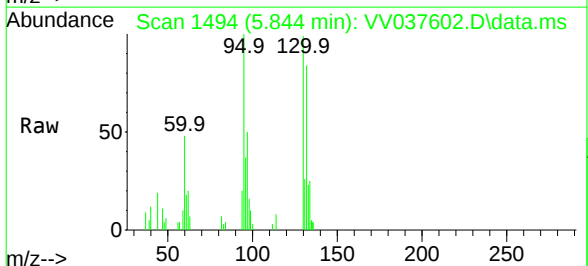




#34  
 Trichloroethene  
 Concen: 1.724 ug/L  
 RT: 5.844 min Scan# 14  
 Delta R.T. 0.019 min  
 Lab File: VV037602.D  
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|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 95    | Resp: | 8318  |
| Ion      | Ratio | Lower | Upper |
| 95       | 100   |       |       |
| 97       | 50.1  | 46.3  | 85.9  |
| 132      | 84.1  | 68.6  | 127.4 |
| 130      | 98.9  | 70.9  | 131.7 |



#46  
 Tetrachloroethene  
 Concen: 3.435 ug/L  
 RT: 7.902 min Scan# 2134  
 Delta R.T. 0.006 min  
 Lab File: VV037602.D  
 Acq: 27 Sep 2024 13:49

|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 164   | Resp: | 12670 |
| Ion      | Ratio | Lower | Upper |
| 164      | 100   |       |       |
| 129      | 86.2  | 68.2  | 126.6 |
| 131      | 78.9  | 66.1  | 122.8 |
| 166      | 118.7 | 91.1  | 169.1 |

