

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_V\Data\VW120922\  
 Data File : VW029560.D  
 Acq On : 10 Dec 2022 06:38  
 Operator : SY/MD  
 Sample : N5929-08  
 Misc : 5.0mL/MSVOA\_V/WATER  
 ALS Vial : 53 Sample Multiplier: 1

Instrument :  
 MSVOA\_V  
 ClientSampleId :  
 EXZA6

Quant Time: Dec 10 07:01:30 2022  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_V\Method\SFAMVLM120722WMA.M  
 Quant Title : VOC Analysis  
 QLast Update : Sat Dec 10 00:41:04 2022  
 Response via : Initial Calibration

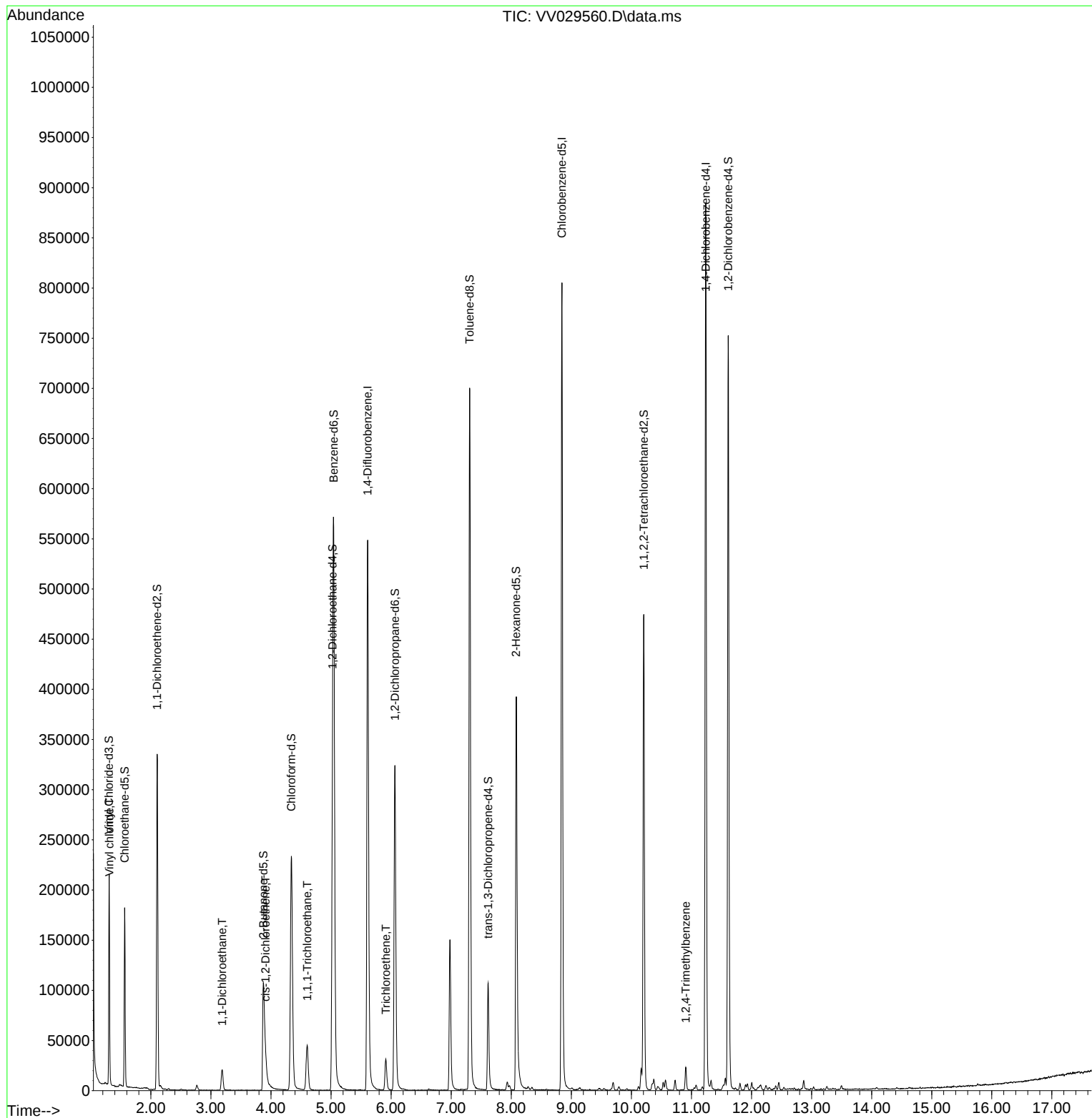
| Compound                      | R.T.    | QIon           | Response | Conc   | Units   | Dev(Min) |
|-------------------------------|---------|----------------|----------|--------|---------|----------|
| -----                         |         |                |          |        |         |          |
| Internal Standards            |         |                |          |        |         |          |
| 1) 1,4-Difluorobenzene        | 5.609   | 114            | 506149   | 50.000 | ug/L    | 0.00     |
| 28) Chlorobenzene-d5          | 8.844   | 117            | 464792   | 50.000 | ug/L    | 0.00     |
| 58) 1,4-Dichlorobenzene-d4    | 11.239  | 152            | 241062   | 50.000 | ug/L    | 0.00     |
| System Monitoring Compounds   |         |                |          |        |         |          |
| 4) Vinyl Chloride-d3          | 1.304   | 65             | 130441   | 42.085 | ug/L    | 0.00     |
| Spiked Amount                 | 50.000  | Range 60 - 135 | Recovery | =      | 84.180% |          |
| 7) Chloroethane-d5            | 1.564   | 69             | 113205   | 47.899 | ug/L    | 0.00     |
| Spiked Amount                 | 50.000  | Range 70 - 130 | Recovery | =      | 95.800% |          |
| 11) 1,1-Dichloroethene-d2     | 2.105   | 63             | 173551   | 35.900 | ug/L    | 0.00     |
| Spiked Amount                 | 50.000  | Range 60 - 125 | Recovery | =      | 71.800% |          |
| 21) 2-Butanone-d5             | 3.873   | 46             | 177097   | 93.665 | ug/L    | 0.00     |
| Spiked Amount                 | 100.000 | Range 40 - 130 | Recovery | =      | 93.670% |          |
| 24) Chloroform-d              | 4.339   | 84             | 253280   | 43.425 | ug/L    | 0.00     |
| Spiked Amount                 | 50.000  | Range 70 - 125 | Recovery | =      | 86.860% |          |
| 26) 1,2-Dichloroethane-d4     | 5.024   | 65             | 153767   | 46.160 | ug/L    | 0.00     |
| Spiked Amount                 | 50.000  | Range 70 - 125 | Recovery | =      | 92.320% |          |
| 32) Benzene-d6                | 5.043   | 84             | 552909   | 45.020 | ug/L    | 0.00     |
| Spiked Amount                 | 50.000  | Range 70 - 125 | Recovery | =      | 90.040% |          |
| 36) 1,2-Dichloropropane-d6    | 6.063   | 67             | 169663   | 45.227 | ug/L    | 0.00     |
| Spiked Amount                 | 50.000  | Range 70 - 120 | Recovery | =      | 90.460% |          |
| 41) Toluene-d8                | 7.307   | 98             | 491243   | 42.452 | ug/L    | 0.00     |
| Spiked Amount                 | 50.000  | Range 80 - 120 | Recovery | =      | 84.900% |          |
| 43) trans-1,3-Dichloroprop... | 7.616   | 79             | 64844    | 34.231 | ug/L    | 0.00     |
| Spiked Amount                 | 50.000  | Range 60 - 125 | Recovery | =      | 68.460% |          |
| 47) 2-Hexanone-d5             | 8.082   | 63             | 149338   | 93.224 | ug/L    | 0.00     |
| Spiked Amount                 | 100.000 | Range 45 - 130 | Recovery | =      | 93.220% |          |
| 56) 1,1,2,2-Tetrachloroeth... | 10.207  | 84             | 236525   | 44.122 | ug/L    | 0.00     |
| Spiked Amount                 | 50.000  | Range 65 - 120 | Recovery | =      | 88.240% |          |
| 66) 1,2-Dichlorobenzene-d4    | 11.612  | 152            | 199327   | 43.437 | ug/L    | 0.00     |
| Spiked Amount                 | 50.000  | Range 80 - 120 | Recovery | =      | 86.880% |          |
| Target Compounds              |         |                |          |        |         |          |
|                               |         |                |          |        | Qvalue  |          |
| 5) Vinyl chloride             | 1.310   | 62             | 3860     | 1.015  | ug/L    | # 41     |
| 19) 1,1-Dichloroethane        | 3.188   | 63             | 22055    | 4.130  | ug/L    | 99       |
| 20) cis-1,2-Dichloroethene    | 3.908   | 96             | 6771     | 1.975  | ug/L    | 91       |
| 30) 1,1,1-Trichloroethane     | 4.603   | 97             | 38251    | 7.554  | ug/L    | 98       |
| 34) Trichloroethene           | 5.911   | 95             | 10695    | 3.258  | ug/L    | 94       |
| 63) 1,2,4-Trimethylbenzene    | 10.905  | 105            | 12947    | 1.044  | ug/L    | 100      |
| -----                         |         |                |          |        |         |          |

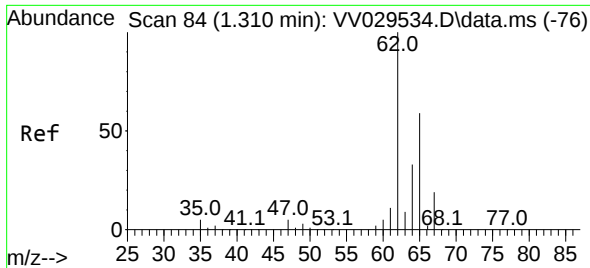
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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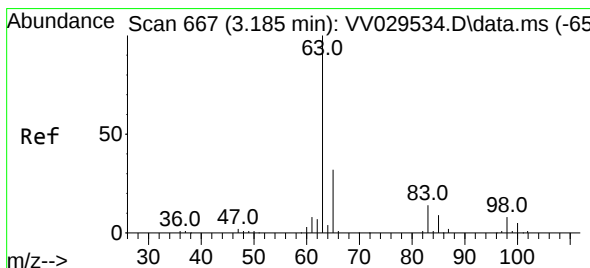
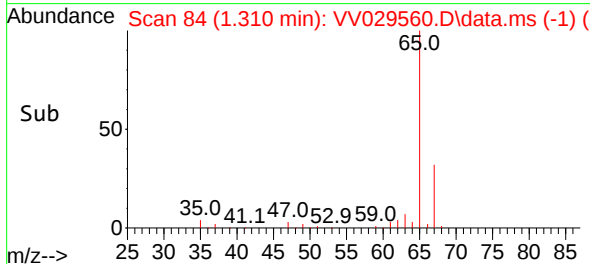
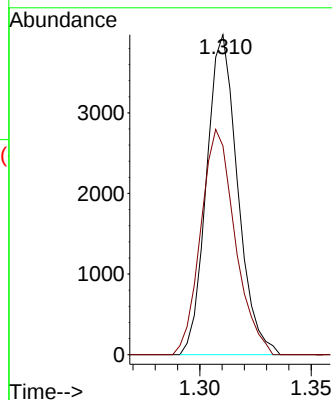
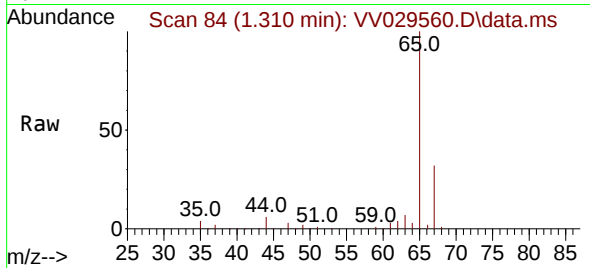




#5  
 Vinyl chloride  
 Concen: 1.015 ug/L  
 RT: 1.310 min Scan# 84  
 Delta R.T. 0.000 min  
 Lab File: VV029560.D  
 Acq: 10 Dec 2022 06:38

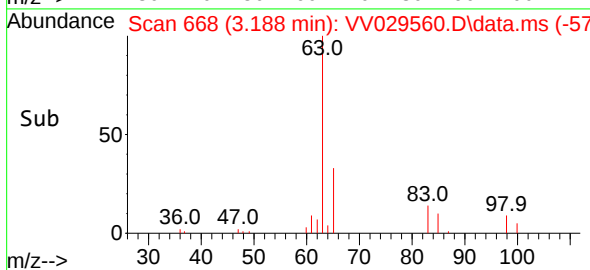
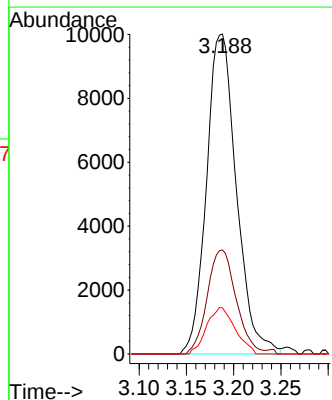
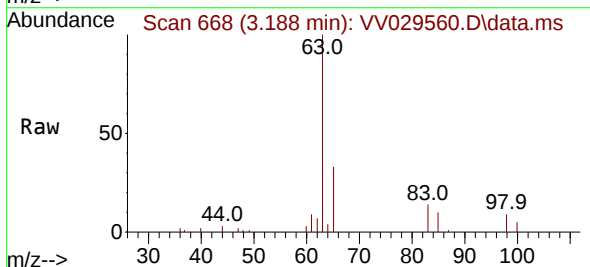
Instrument :  
 MSVOA\_V  
 ClientSampleId :  
 EXZA6

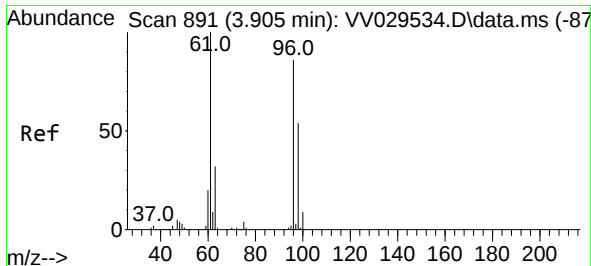
Tgt Ion: 62 Resp: 3860  
 Ion Ratio Lower Upper  
 62 100  
 64 65.2 22.5 41.9#



#19  
 1,1-Dichloroethane  
 Concen: 4.130 ug/L  
 RT: 3.188 min Scan# 668  
 Delta R.T. 0.003 min  
 Lab File: VV029560.D  
 Acq: 10 Dec 2022 06:38

Tgt Ion: 63 Resp: 22055  
 Ion Ratio Lower Upper  
 63 100  
 65 32.5 22.5 41.7  
 83 14.4 10.4 19.2

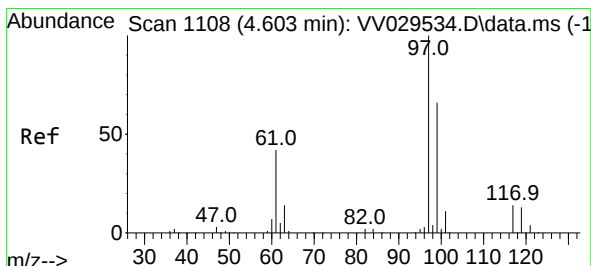
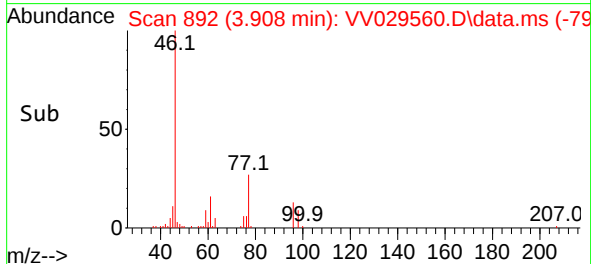
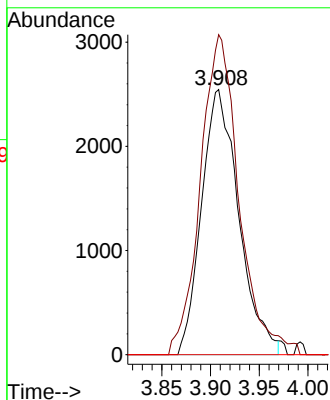
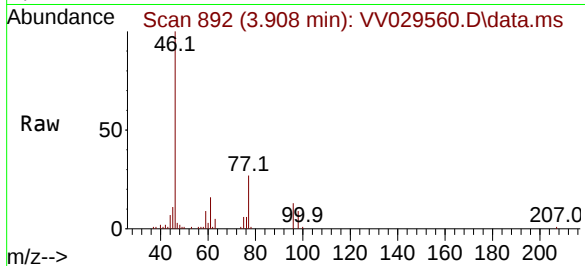




#20  
 cis-1,2-Dichloroethene  
 Concen: 1.975 ug/L  
 RT: 3.908 min Scan# 891  
 Delta R.T. 0.003 min  
 Lab File: VV029560.D  
 Acq: 10 Dec 2022 06:38

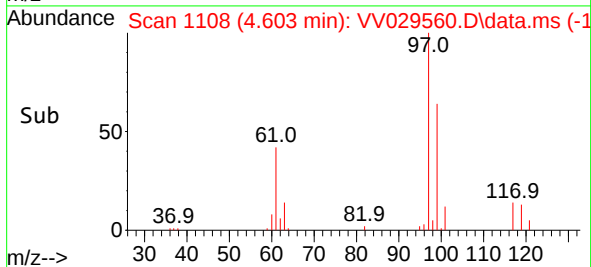
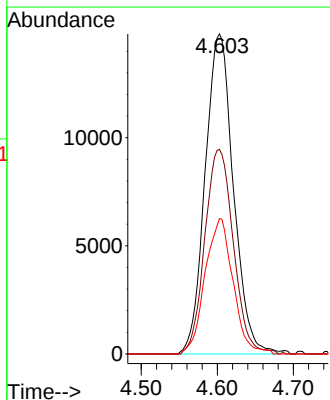
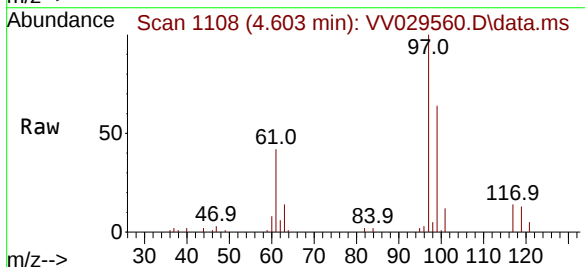
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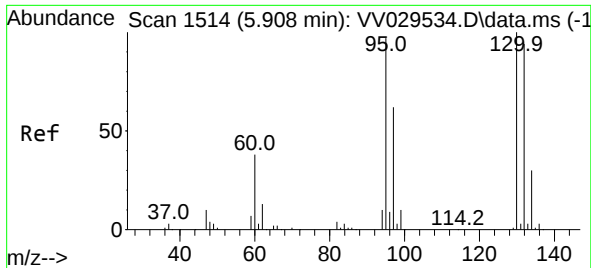
Tgt Ion: 96 Resp: 6771  
 Ion Ratio Lower Upper  
 96 100  
 61 120.7 78.0 144.9  
 68 0.0 0.0 0.0



#30  
 1,1,1-Trichloroethane  
 Concen: 7.554 ug/L  
 RT: 4.603 min Scan# 1108  
 Delta R.T. 0.000 min  
 Lab File: VV029560.D  
 Acq: 10 Dec 2022 06:38

Tgt Ion: 97 Resp: 38251  
 Ion Ratio Lower Upper  
 97 100  
 99 64.5 52.1 78.1  
 61 41.9 31.8 47.8



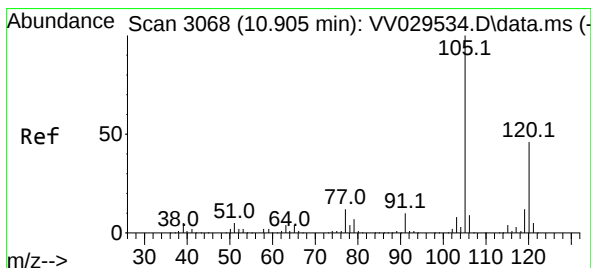
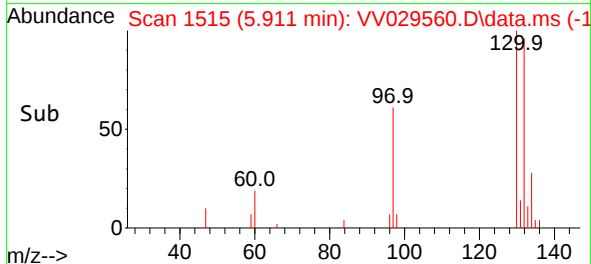
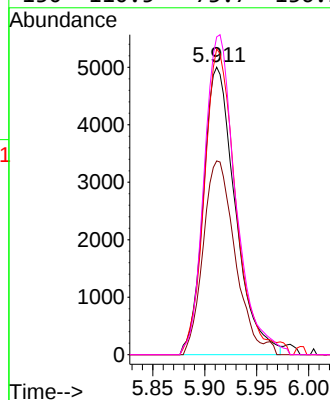
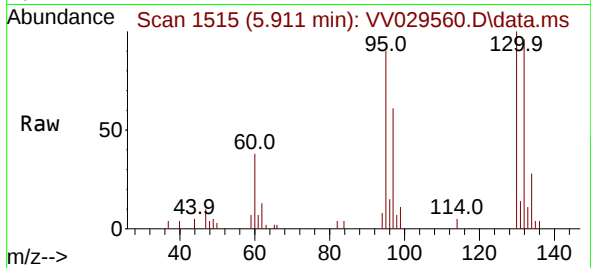


#34  
 Trichloroethene  
 Concen: 3.258 ug/L  
 RT: 5.911 min Scan# 11  
 Delta R.T. 0.003 min  
 Lab File: VV029560.D  
 Acq: 10 Dec 2022 06:38

Instrument :  
 MSVOA\_V  
 ClientSampleId :  
 EXZA6

Tgt Ion: 95 Resp: 10695

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 95  | 100   |       |       |
| 97  | 67.4  | 44.0  | 81.8  |
| 132 | 106.4 | 69.9  | 129.9 |
| 130 | 110.5 | 73.7  | 136.9 |



#63  
 1,2,4-Trimethylbenzene  
 Concen: 1.044 ug/L  
 RT: 10.905 min Scan# 3068  
 Delta R.T. 0.000 min  
 Lab File: VV029560.D  
 Acq: 10 Dec 2022 06:38

Tgt Ion: 105 Resp: 12947

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 105 | 100   |       |       |
| 120 | 46.1  | 36.7  | 55.1  |

