

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_V\Data\VW060721\  
 Data File : VW021525.D  
 Acq On : 07 Jun 2021 13:23  
 Operator : SY/MD  
 Sample : M2605-11  
 Misc : 5.0mL/MSVOA\_V/WATER  
 ALS Vial : 8 Sample Multiplier: 1

Instrument :  
 MSVOA\_V  
 ClientSampleId :  
 BG7K3

Quant Time: Jun 08 03:56:44 2021  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_V\Method\SFAMVLM052721WMA.M  
 Quant Title : VOC Analysis  
 QLast Update : Tue Jun 08 03:17:01 2021  
 Response via : Initial Calibration

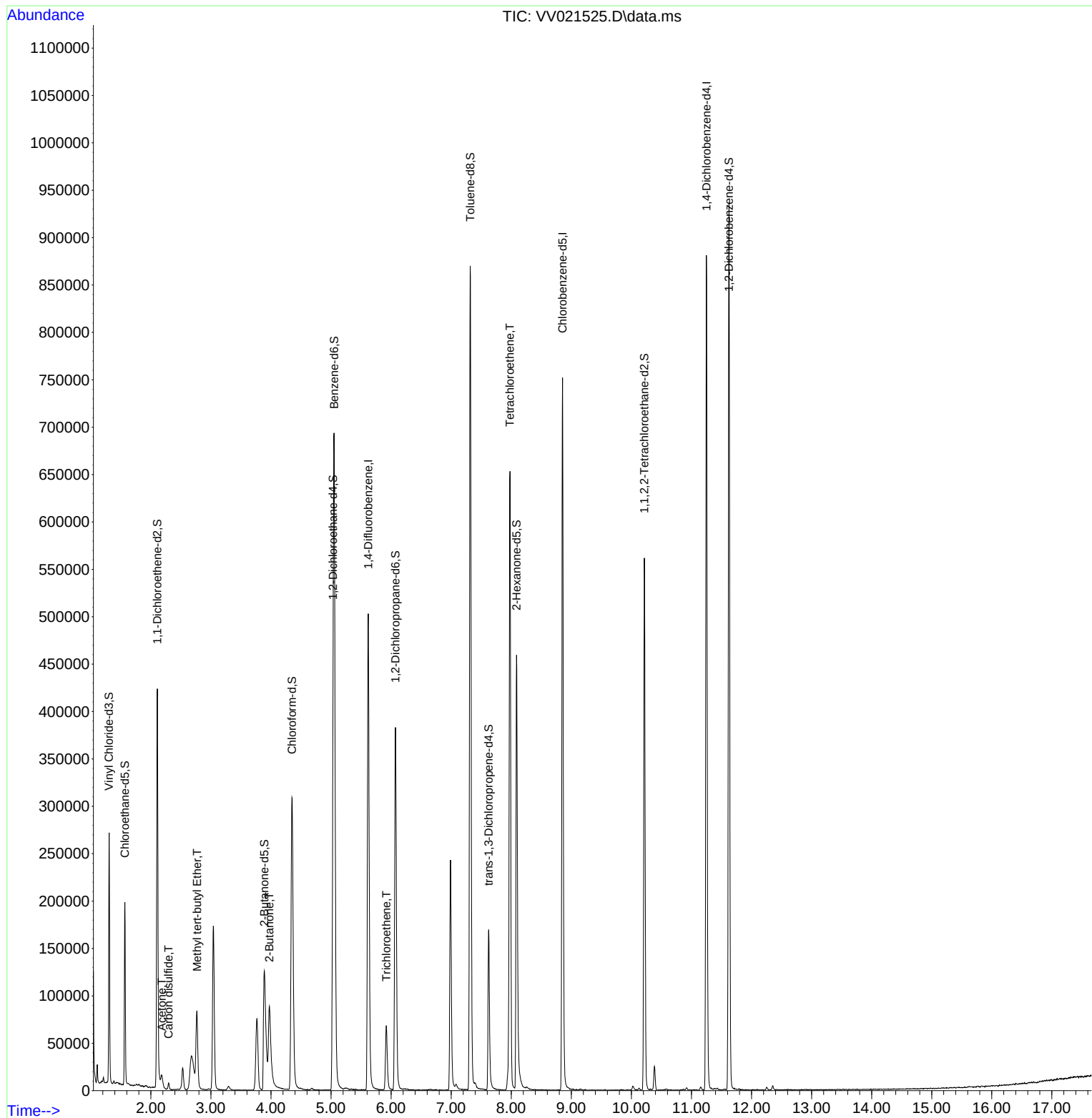
| Compound                      | R.T. QIon |       | Response | Conc       | Units | Dev(Min) |
|-------------------------------|-----------|-------|----------|------------|-------|----------|
| -----                         |           |       |          |            |       |          |
| Internal Standards            |           |       |          |            |       |          |
| 1) 1,4-Difluorobenzene        | 5.619     | 114   | 470287   | 50.000     | ug/L  | 0.00     |
| 28) Chlorobenzene-d5          | 8.853     | 117   | 442736   | 50.000     | ug/L  | 0.00     |
| 58) 1,4-Dichlorobenzene-d4    | 11.249    | 152   | 254407   | 50.000     | ug/L  | 0.00     |
| System Monitoring Compounds   |           |       |          |            |       |          |
| 4) Vinyl Chloride-d3          | 1.304     | 65    | 165437   | 53.430     | ug/L  | 0.00     |
| Spiked Amount 50.000          | Range 60  | - 135 | Recovery | = 106.860% |       |          |
| 7) Chloroethane-d5            | 1.568     | 69    | 120692   | 52.400     | ug/L  | 0.00     |
| Spiked Amount 50.000          | Range 70  | - 130 | Recovery | = 104.800% |       |          |
| 11) 1,1-Dichloroethene-d2     | 2.108     | 63    | 211070   | 39.894     | ug/L  | 0.00     |
| Spiked Amount 50.000          | Range 60  | - 125 | Recovery | = 79.780%  |       |          |
| 21) 2-Butanone-d5             | 3.889     | 46    | 226884   | 102.186    | ug/L  | 0.00     |
| Spiked Amount 100.000         | Range 40  | - 130 | Recovery | = 102.190% |       |          |
| 24) Chloroform-d              | 4.352     | 84    | 300524   | 48.758     | ug/L  | 0.00     |
| Spiked Amount 50.000          | Range 70  | - 125 | Recovery | = 97.520%  |       |          |
| 26) 1,2-Dichloroethane-d4     | 5.034     | 65    | 183150   | 51.589     | ug/L  | 0.00     |
| Spiked Amount 50.000          | Range 70  | - 125 | Recovery | = 103.180% |       |          |
| 32) Benzene-d6                | 5.053     | 84    | 631282   | 50.969     | ug/L  | 0.00     |
| Spiked Amount 50.000          | Range 70  | - 125 | Recovery | = 101.940% |       |          |
| 36) 1,2-Dichloropropane-d6    | 6.072     | 67    | 191424   | 50.047     | ug/L  | 0.00     |
| Spiked Amount 50.000          | Range 70  | - 120 | Recovery | = 100.100% |       |          |
| 41) Toluene-d8                | 7.316     | 98    | 602316   | 51.044     | ug/L  | 0.00     |
| Spiked Amount 50.000          | Range 80  | - 120 | Recovery | = 102.080% |       |          |
| 43) trans-1,3-Dichloroprop... | 7.625     | 79    | 102113   | 49.886     | ug/L  | 0.00     |
| Spiked Amount 50.000          | Range 60  | - 125 | Recovery | = 99.780%  |       |          |
| 47) 2-Hexanone-d5             | 8.088     | 63    | 173975   | 99.057     | ug/L  | 0.00     |
| Spiked Amount 100.000         | Range 45  | - 130 | Recovery | = 99.060%  |       |          |
| 56) 1,1,2,2-Tetrachloroeth... | 10.217    | 84    | 264344   | 49.788     | ug/L  | 0.00     |
| Spiked Amount 50.000          | Range 65  | - 120 | Recovery | = 99.580%  |       |          |
| 66) 1,2-Dichlorobenzene-d4    | 11.625    | 152   | 265696   | 50.241     | ug/L  | 0.00     |
| Spiked Amount 50.000          | Range 80  | - 120 | Recovery | = 100.480% |       |          |
| Target Compounds              |           |       |          |            |       |          |
|                               |           |       |          |            |       | Qvalue   |
| 13) Acetone                   | 2.182     | 43    | 18120    | 9.485      | ug/L  | # 84     |
| 14) Carbon disulfide          | 2.294     | 76    | 7566     | 0.869      | ug/L  | 98       |
| 18) Methyl tert-butyl Ether   | 2.770     | 73    | 45600    | 4.568      | ug/L  | # 21     |
| 22) 2-Butanone                | 3.973     | 43    | 158329   | 65.425     | ug/L  | 95       |
| 34) Trichloroethene           | 5.921     | 95    | 23150    | 6.721      | ug/L  | 97       |
| 46) Tetrachloroethene         | 7.979     | 164   | 161546   | 51.011     | ug/L  | 97       |
| -----                         |           |       |          |            |       |          |

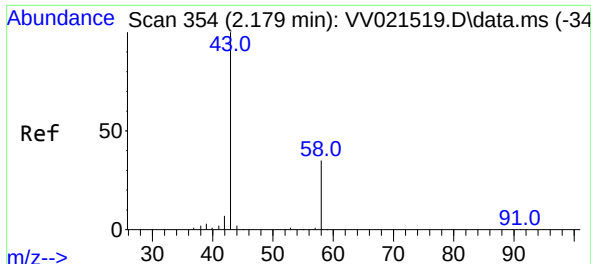
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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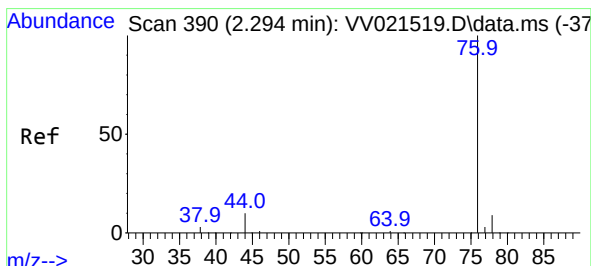
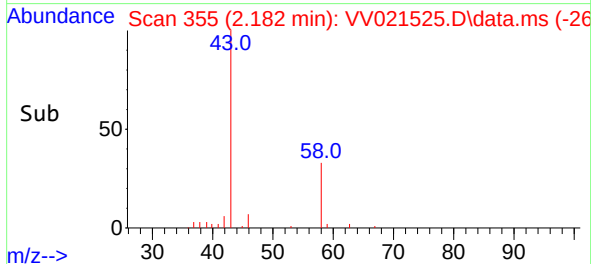
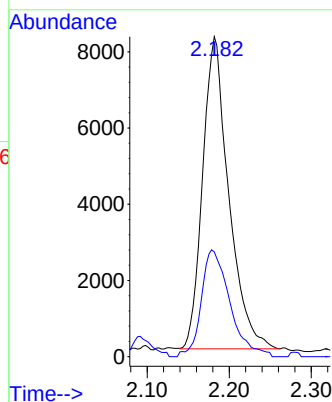
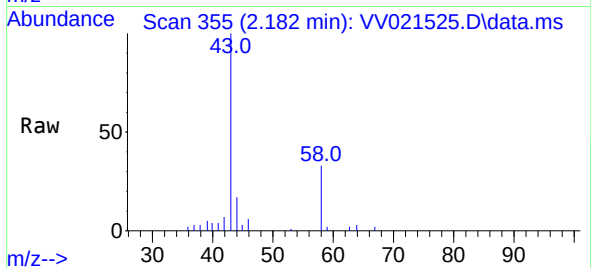




#13  
Acetone  
Concen: 9.485 ug/L  
RT: 2.182 min Scan# 355  
Delta R.T. 0.003 min  
Lab File: VV021525.D  
Acq: 07 Jun 2021 13:23

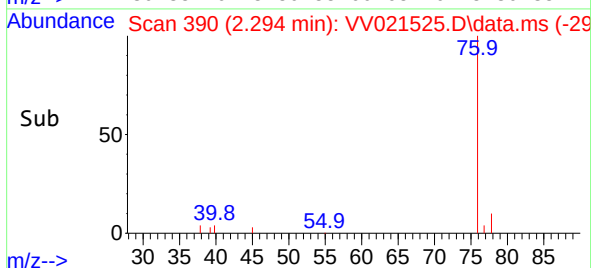
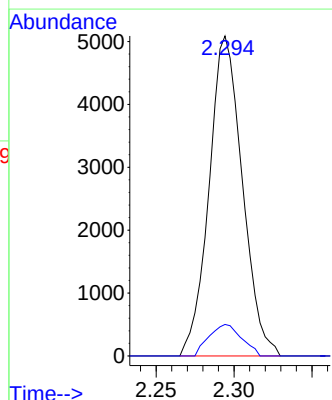
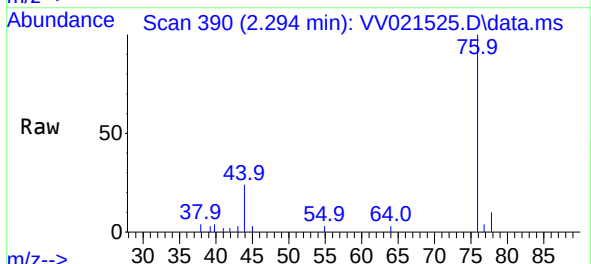
Instrument :  
MSVOA\_V  
ClientSampleId :  
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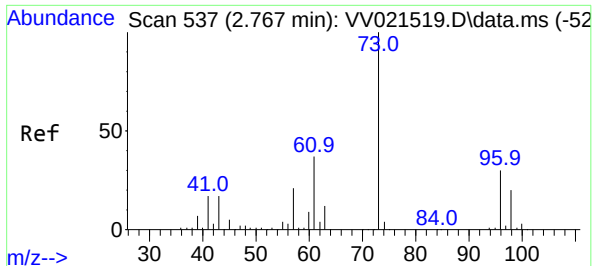
Tgt Ion: 43 Resp: 18120  
Ion Ratio Lower Upper  
43 100  
58 36.9 0.0 0.2#



#14  
Carbon disulfide  
Concen: 0.869 ug/L  
RT: 2.294 min Scan# 390  
Delta R.T. -0.000 min  
Lab File: VV021525.D  
Acq: 07 Jun 2021 13:23

Tgt Ion: 76 Resp: 7566  
Ion Ratio Lower Upper  
76 100  
78 9.9 7.3 10.9

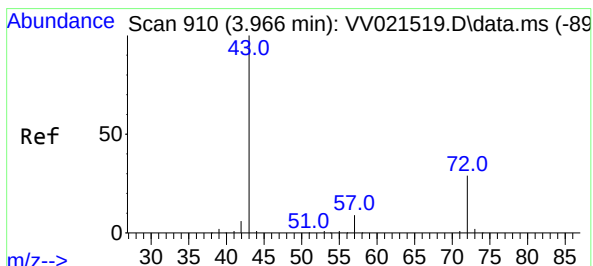
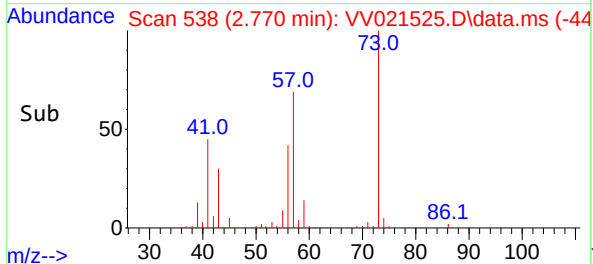
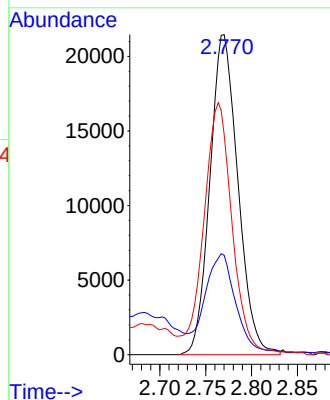
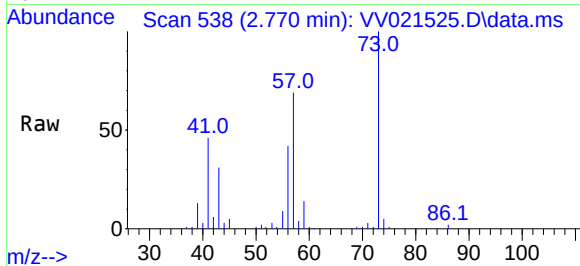




#18  
Methyl tert-butyl Ether  
Concen: 4.568 ug/L  
RT: 2.770 min Scan# 538  
Delta R.T. 0.003 min  
Lab File: VV021525.D  
Acq: 07 Jun 2021 13:23

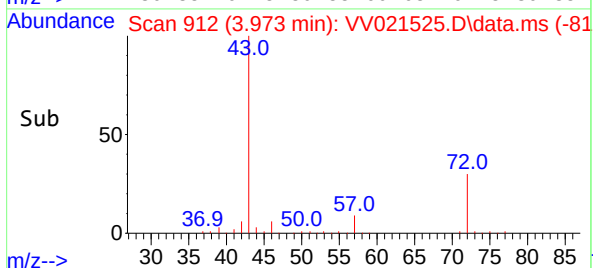
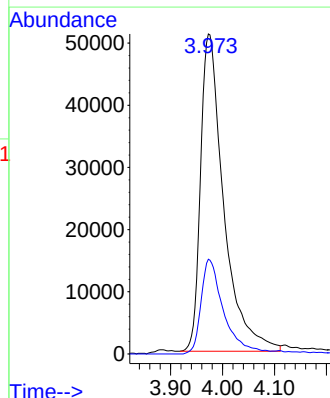
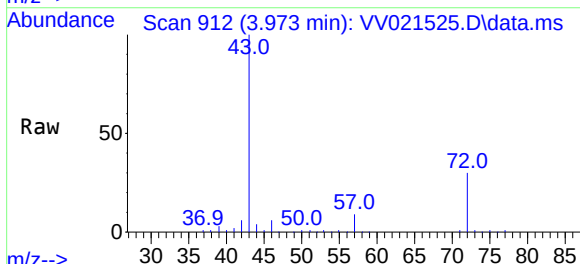
Instrument :  
MSVOA\_V  
ClientSampleId :  
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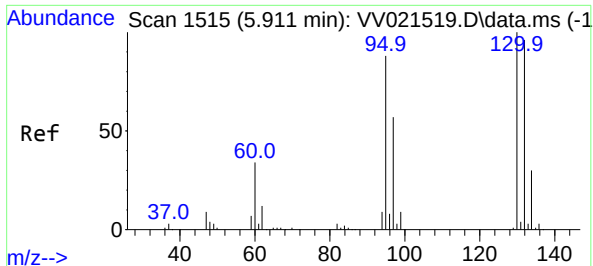
Tgt Ion: 73 Resp: 45600  
Ion Ratio Lower Upper  
73 100  
43 31.2 13.9 20.9#  
57 76.7 17.1 25.7#



#22  
2-Butanone  
Concen: 65.425 ug/L  
RT: 3.973 min Scan# 912  
Delta R.T. 0.006 min  
Lab File: VV021525.D  
Acq: 07 Jun 2021 13:23

Tgt Ion: 43 Resp: 158329  
Ion Ratio Lower Upper  
43 100  
72 28.8 13.1 39.1



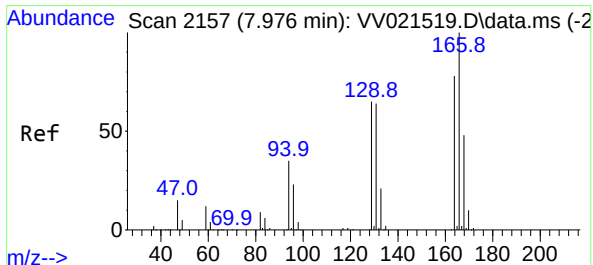
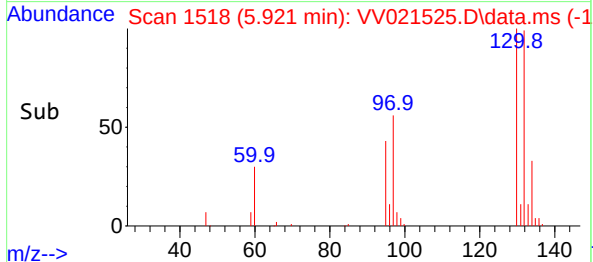
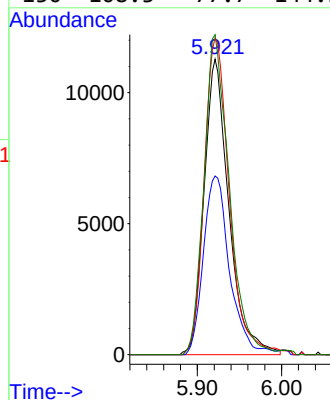
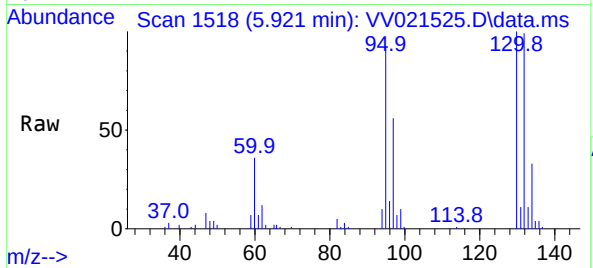


#34  
Trichloroethene  
Concen: 6.721 ug/L  
RT: 5.921 min Scan# 1518  
Delta R.T. 0.010 min  
Lab File: VV021525.D  
Acq: 07 Jun 2021 13:23

Instrument :  
MSVOA\_V  
ClientSampleId :  
BG7K3

Tgt Ion: 95 Resp: 23150

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 95  | 100   |       |       |
| 97  | 60.5  | 44.3  | 82.3  |
| 132 | 107.2 | 73.2  | 136.0 |
| 130 | 108.3 | 77.7  | 144.3 |



#46  
Tetrachloroethene  
Concen: 51.011 ug/L  
RT: 7.979 min Scan# 2158  
Delta R.T. 0.003 min  
Lab File: VV021525.D  
Acq: 07 Jun 2021 13:23

Tgt Ion: 164 Resp: 161546

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 164 | 100   |       |       |
| 129 | 88.4  | 60.5  | 112.3 |
| 131 | 84.4  | 58.7  | 108.9 |
| 166 | 131.0 | 88.1  | 163.5 |

