

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_V\Data\VW041723\  
 Data File : VW030596.D  
 Acq On : 17 Apr 2023 18:11  
 Operator : SY/MD  
 Sample : 02360-04  
 Misc : 5.0mL/MSVOA\_V/WATER  
 ALS Vial : 21 Sample Multiplier: 1

Instrument :  
 MSVOA\_V  
 ClientSampleId :

Quant Time: Apr 18 02:51:32 2023  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_V\Method\SFAMVLM041723WMA.M  
 Quant Title : VOC Analysis  
 QLast Update : Tue Apr 18 02:45:56 2023  
 Response via : Initial Calibration

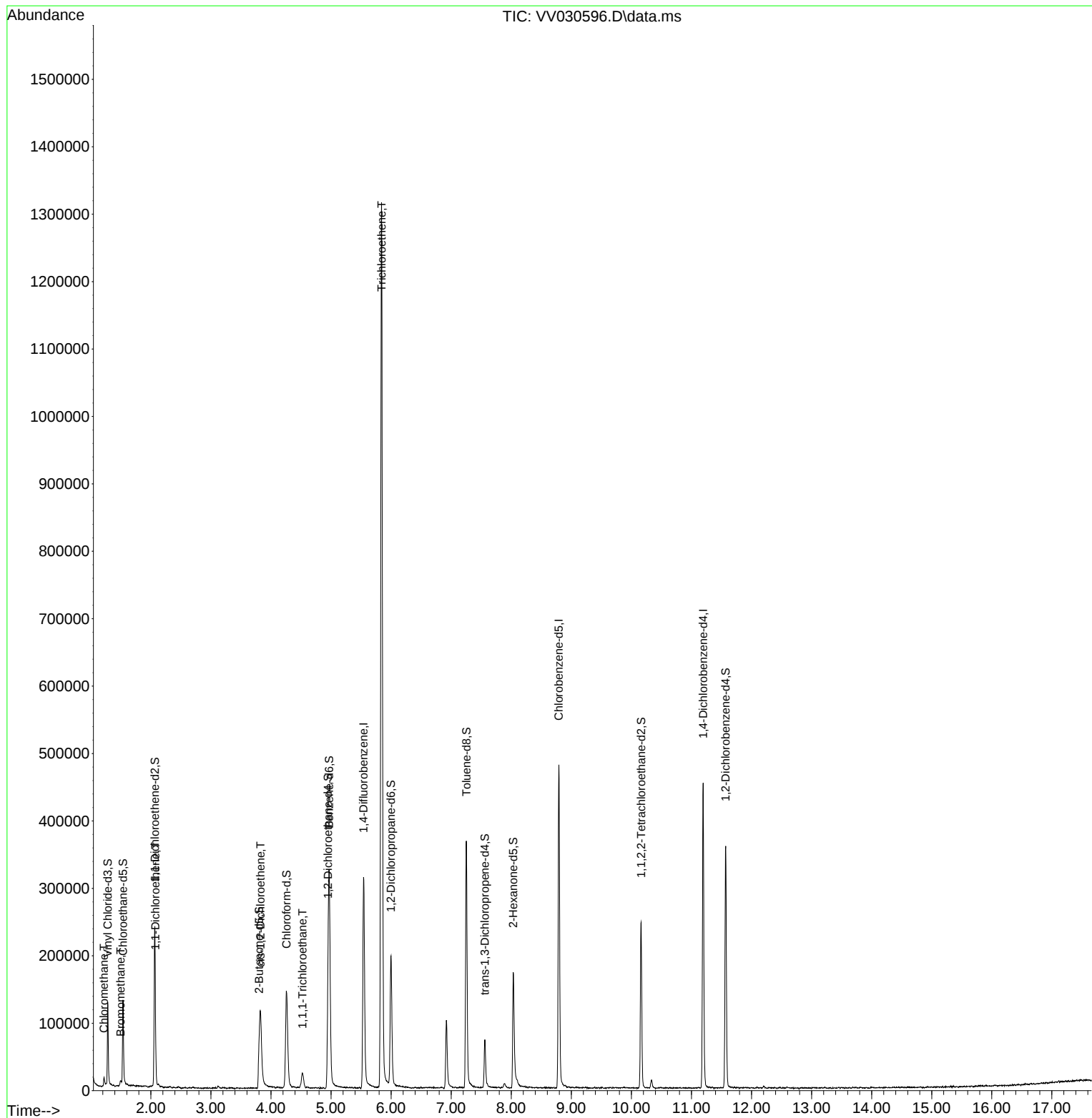
| Compound                      | R.T.    | QIon  | Response | Conc     | Units  | Dev(Min) |
|-------------------------------|---------|-------|----------|----------|--------|----------|
| -----                         |         |       |          |          |        |          |
| Internal Standards            |         |       |          |          |        |          |
| 1) 1,4-Difluorobenzene        | 5.542   | 114   | 263309   | 50.000   | ug/L   | 0.00     |
| 28) Chlorobenzene-d5          | 8.792   | 117   | 250894   | 50.000   | ug/L   | 0.00     |
| 58) 1,4-Dichlorobenzene-d4    | 11.194  | 152   | 115121   | 50.000   | ug/L   | 0.00     |
| System Monitoring Compounds   |         |       |          |          |        |          |
| 4) Vinyl Chloride-d3          | 1.281   | 65    | 84268    | 43.656   | ug/L   | 0.00     |
| Spiked Amount                 | 50.000  | Range | 60 - 135 | Recovery | =      | 87.320%  |
| 7) Chloroethane-d5            | 1.535   | 69    | 71957    | 44.485   | ug/L   | 0.00     |
| Spiked Amount                 | 50.000  | Range | 70 - 130 | Recovery | =      | 88.980%  |
| 11) 1,1-Dichloroethene-d2     | 2.066   | 65    | 38026    | 41.541   | ug/L   | 0.00     |
| Spiked Amount                 | 50.000  | Range | 60 - 125 | Recovery | =      | 83.080%  |
| 21) 2-Butanone-d5             | 3.802   | 46    | 88472    | 83.447   | ug/L   | 0.00     |
| Spiked Amount                 | 100.000 | Range | 40 - 130 | Recovery | =      | 83.450%  |
| 24) Chloroform-d              | 4.259   | 84    | 145922   | 41.715   | ug/L   | 0.00     |
| Spiked Amount                 | 50.000  | Range | 70 - 125 | Recovery | =      | 83.420%  |
| 26) 1,2-Dichloroethane-d4     | 4.950   | 65    | 101125   | 44.965   | ug/L   | 0.00     |
| Spiked Amount                 | 50.000  | Range | 70 - 125 | Recovery | =      | 89.920%  |
| 32) Benzene-d6                | 4.969   | 84    | 274612   | 46.295   | ug/L   | 0.00     |
| Spiked Amount                 | 50.000  | Range | 70 - 125 | Recovery | =      | 92.580%  |
| 36) 1,2-Dichloropropane-d6    | 5.995   | 67    | 88074    | 47.799   | ug/L   | 0.00     |
| Spiked Amount                 | 50.000  | Range | 70 - 120 | Recovery | =      | 95.600%  |
| 41) Toluene-d8                | 7.252   | 98    | 241237   | 43.315   | ug/L   | 0.00     |
| Spiked Amount                 | 50.000  | Range | 80 - 120 | Recovery | =      | 86.620%  |
| 43) trans-1,3-Dichloroprop... | 7.561   | 79    | 40246    | 43.336   | ug/L   | 0.00     |
| Spiked Amount                 | 50.000  | Range | 60 - 125 | Recovery | =      | 86.680%  |
| 47) 2-Hexanone-d5             | 8.034   | 63    | 58382    | 80.431   | ug/L   | 0.00     |
| Spiked Amount                 | 100.000 | Range | 45 - 130 | Recovery | =      | 80.430%  |
| 56) 1,1,2,2-Tetrachloroeth... | 10.162  | 84    | 112558   | 42.098   | ug/L   | 0.00     |
| Spiked Amount                 | 50.000  | Range | 65 - 120 | Recovery | =      | 84.200%  |
| 66) 1,2-Dichlorobenzene-d4    | 11.570  | 152   | 88970    | 48.623   | ug/L   | 0.00     |
| Spiked Amount                 | 50.000  | Range | 80 - 120 | Recovery | =      | 97.240%  |
| Target Compounds              |         |       |          |          |        |          |
|                               |         |       |          |          | Qvalue |          |
| 3) Chloromethane              | 1.220   | 50    | 11743    | 3.954    | ug/L   | 98       |
| 6) Bromomethane               | 1.494   | 94    | 2514     | 2.648    | ug/L   | 100      |
| 12) 1,1-Dichloroethene        | 2.076   | 96    | 6809     | 3.693    | ug/L   | # 1      |
| 20) cis-1,2-Dichloroethene    | 3.825   | 96    | 46710    | 23.070   | ug/L   | 97       |
| 30) 1,1,1-Trichloroethane     | 4.523   | 97    | 18049    | 5.120    | ug/L   | 99       |
| 34) Trichloroethene           | 5.841   | 95    | 442934   | 223.507  | ug/L   | 98       |
| -----                         |         |       |          |          |        |          |

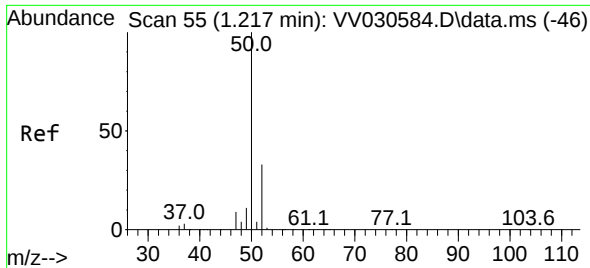
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_V\Data\VV041723\  
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Sample : 02360-04  
Misc : 5.0mL/MSVOA\_V/WATER  
ALS Vial : 21 Sample Multiplier: 1

Instrument :  
MSVOA\_V  
ClientSampleId :

Quant Time: Apr 18 02:51:32 2023  
Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_V\Method\SFAMVLM041723WMA.M  
Quant Title : VOC Analysis  
QLast Update : Tue Apr 18 02:45:56 2023  
Response via : Initial Calibration

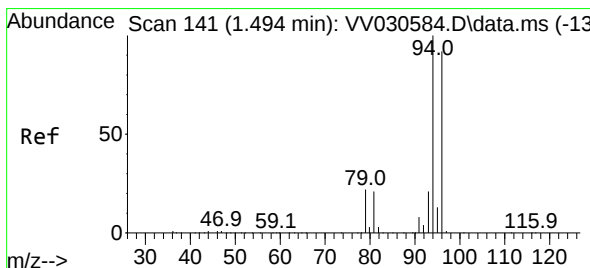
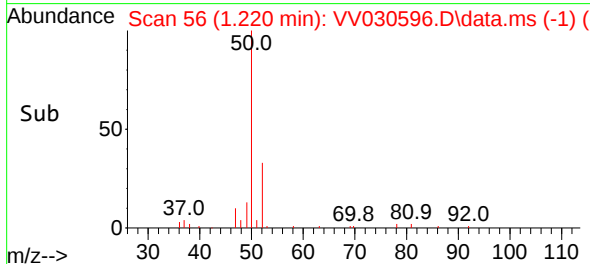
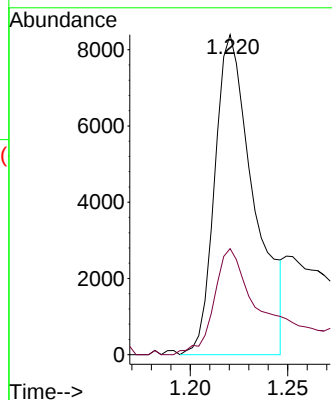
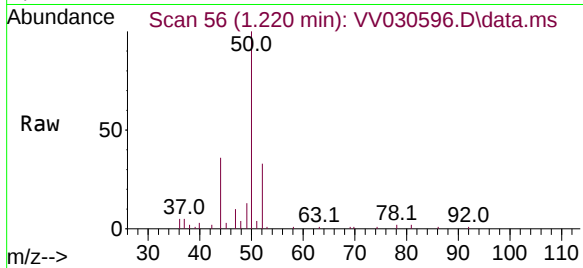




#3  
Chloromethane  
Concen: 3.954 ug/L  
RT: 1.220 min Scan# 50  
Delta R.T. 0.003 min  
Lab File: VV030596.D  
Acq: 17 Apr 2023 18:11

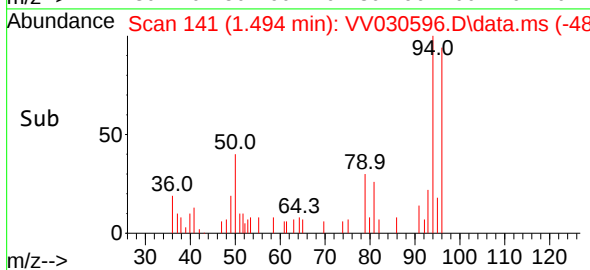
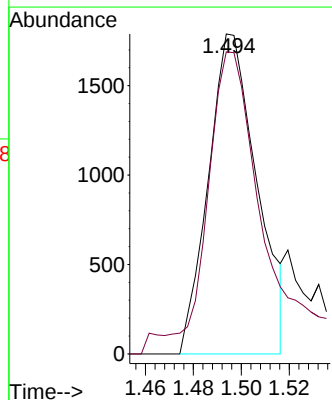
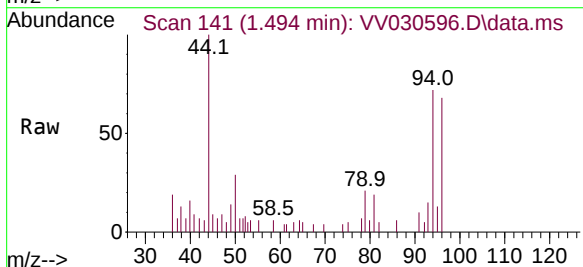
Instrument :  
MSVOA\_V  
ClientSampleId :

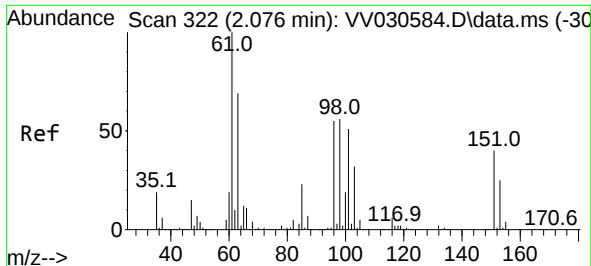
Tgt Ion: 50 Resp: 11743  
Ion Ratio Lower Upper  
50 100  
52 33.2 22.5 41.9



#6  
Bromomethane  
Concen: 2.648 ug/L  
RT: 1.494 min Scan# 141  
Delta R.T. -0.000 min  
Lab File: VV030596.D  
Acq: 17 Apr 2023 18:11

Tgt Ion: 94 Resp: 2514  
Ion Ratio Lower Upper  
94 100  
96 94.4 66.3 123.1





#12

1,1-Dichloroethene

Concen: 3.693 ug/L

RT: 2.076 min Scan# 31

Delta R.T. -0.000 min

Lab File: VV030596.D

Acq: 17 Apr 2023 18:11

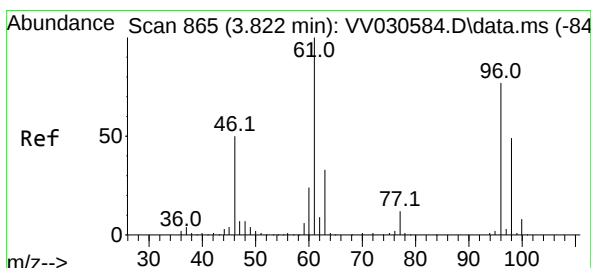
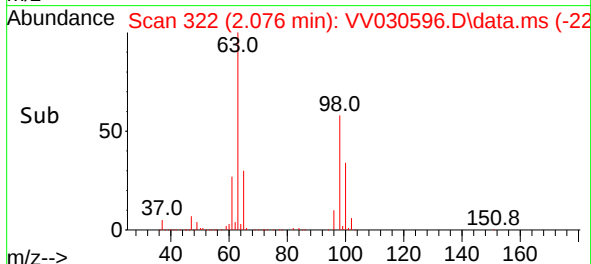
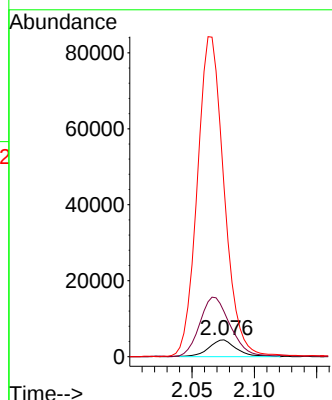
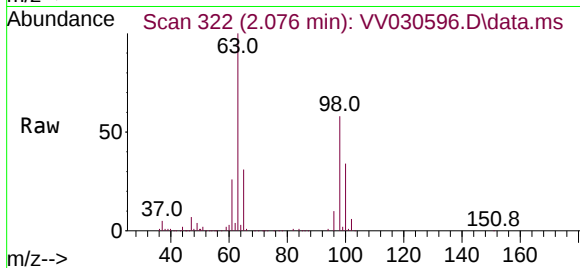
Instrument :

MSVOA\_V

ClientSampleId :

Tgt Ion: 96 Resp: 6809

| Ion | Ratio  | Lower | Upper  |
|-----|--------|-------|--------|
| 96  | 100    |       |        |
| 61  | 268.2  | 131.9 | 245.0# |
| 63  | 1014.1 | 99.8  | 185.3# |



#20

cis-1,2-Dichloroethene

Concen: 23.070 ug/L

RT: 3.825 min Scan# 866

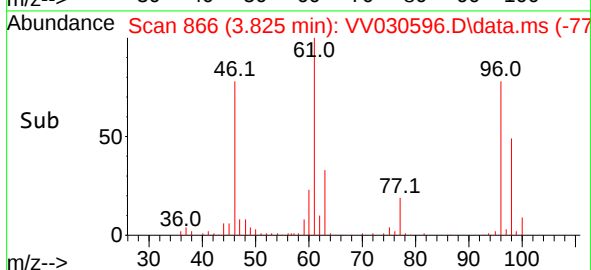
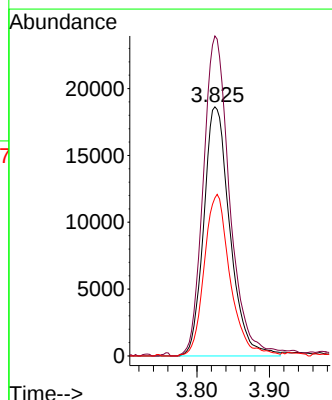
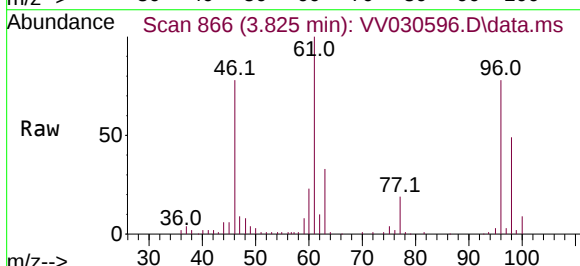
Delta R.T. 0.003 min

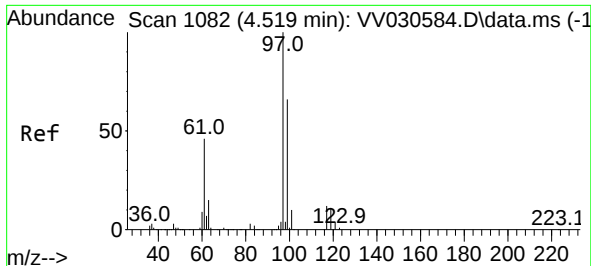
Lab File: VV030596.D

Acq: 17 Apr 2023 18:11

Tgt Ion: 96 Resp: 46710

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 96  | 100   |       |       |
| 61  | 128.5 | 92.3  | 171.3 |
| 98  | 63.4  | 45.9  | 85.3  |

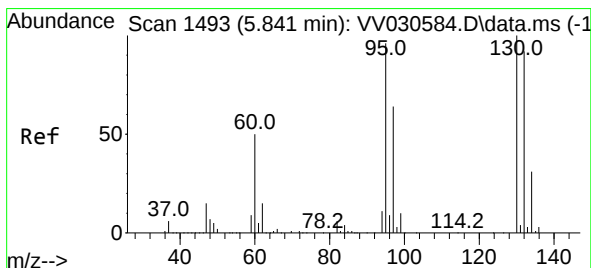
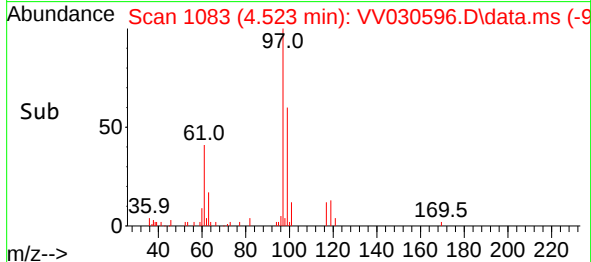
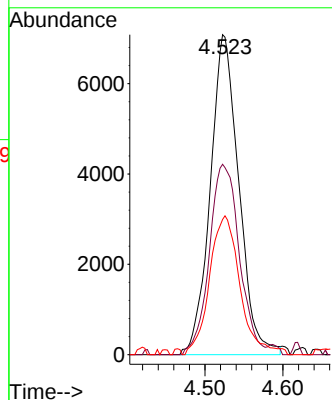
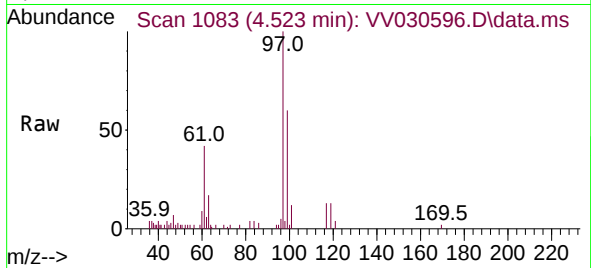




#30  
1,1,1-Trichloroethane  
Concen: 5.120 ug/L  
RT: 4.523 min Scan# 1082  
Delta R.T. 0.003 min  
Lab File: VV030596.D  
Acq: 17 Apr 2023 18:11

Instrument :  
MSVOA\_V  
ClientSampleId :

Tgt Ion: 97 Resp: 18049  
Ion Ratio Lower Upper  
97 100  
99 62.5 51.4 77.0  
61 46.0 37.0 55.6



#34  
Trichloroethene  
Concen: 223.507 ug/L  
RT: 5.841 min Scan# 1493  
Delta R.T. -0.000 min  
Lab File: VV030596.D  
Acq: 17 Apr 2023 18:11

Tgt Ion: 95 Resp: 442934  
Ion Ratio Lower Upper  
95 100  
97 64.4 45.8 85.2  
132 98.0 70.6 131.2  
130 102.1 70.9 131.7

