

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_V\Data\VV093021\  
 Data File : VV022469.D  
 Acq On : 01 Oct 2021 06:29  
 Operator : SY/MD  
 Sample : M3997-04  
 Misc : 5.0mL/MSVOA\_V/WATER  
 ALS Vial : 53 Sample Multiplier: 1

Instrument :  
 MSVOA\_V  
 ClientSampleId :  
 F4A55

Quant Time: Oct 01 07:13:09 2021  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_V\Method\SFAMVLM092721WMA.M  
 Quant Title : VOC Analysis  
 QLast Update : Fri Oct 01 04:27:45 2021  
 Response via : Initial Calibration

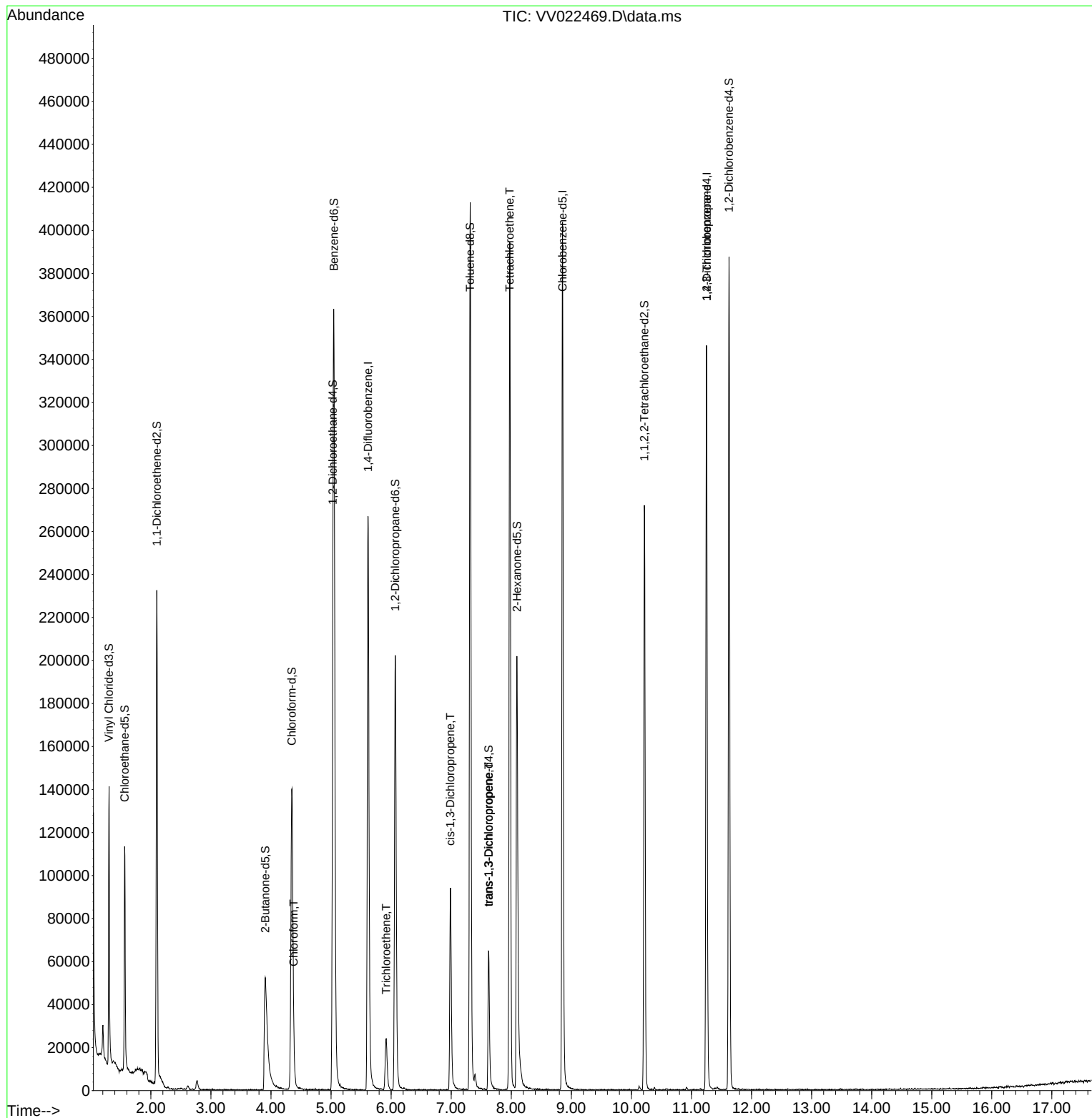
| Compound                      | R.T.           | QIon | Response   | Conc    | Units  | Dev(Min) |
|-------------------------------|----------------|------|------------|---------|--------|----------|
| -----                         |                |      |            |         |        |          |
| Internal Standards            |                |      |            |         |        |          |
| 1) 1,4-Difluorobenzene        | 5.616          | 114  | 237730     | 50.000  | ug/L   | 0.00     |
| 28) Chlorobenzene-d5          | 8.853          | 117  | 225064     | 50.000  | ug/L   | 0.00     |
| 58) 1,4-Dichlorobenzene-d4    | 11.252         | 152  | 97925      | 50.000  | ug/L   | 0.00     |
|                               |                |      |            |         |        |          |
| System Monitoring Compounds   |                |      |            |         |        |          |
| 4) Vinyl Chloride-d3          | 1.304          | 65   | 83339      | 41.308  | ug/L   | 0.00     |
| Spiked Amount 50.000          | Range 60 - 135 |      | Recovery = | 82.620% |        |          |
| 7) Chloroethane-d5            | 1.564          | 69   | 66866      | 41.903  | ug/L   | 0.00     |
| Spiked Amount 50.000          | Range 70 - 130 |      | Recovery = | 83.800% |        |          |
| 11) 1,1-Dichloroethene-d2     | 2.098          | 63   | 119736     | 34.135  | ug/L   | 0.00     |
| Spiked Amount 50.000          | Range 60 - 125 |      | Recovery = | 68.280% |        |          |
| 21) 2-Butanone-d5             | 3.905          | 46   | 116586     | 81.882  | ug/L   | 0.03     |
| Spiked Amount 100.000         | Range 40 - 130 |      | Recovery = | 81.880% |        |          |
| 24) Chloroform-d              | 4.346          | 84   | 148510     | 40.766  | ug/L   | 0.00     |
| Spiked Amount 50.000          | Range 70 - 125 |      | Recovery = | 81.540% |        |          |
| 26) 1,2-Dichloroethane-d4     | 5.030          | 65   | 95861      | 42.909  | ug/L   | 0.00     |
| Spiked Amount 50.000          | Range 70 - 125 |      | Recovery = | 85.820% |        |          |
| 32) Benzene-d6                | 5.047          | 84   | 316010     | 44.632  | ug/L   | 0.00     |
| Spiked Amount 50.000          | Range 70 - 125 |      | Recovery = | 89.260% |        |          |
| 36) 1,2-Dichloropropane-d6    | 6.069          | 67   | 99904      | 44.105  | ug/L   | 0.00     |
| Spiked Amount 50.000          | Range 70 - 120 |      | Recovery = | 88.220% |        |          |
| 41) Toluene-d8                | 7.317          | 98   | 274051     | 42.288  | ug/L   | 0.00     |
| Spiked Amount 50.000          | Range 80 - 120 |      | Recovery = | 84.580% |        |          |
| 43) trans-1,3-Dichloroprop... | 7.622          | 79   | 38355      | 37.082  | ug/L   | 0.00     |
| Spiked Amount 50.000          | Range 60 - 125 |      | Recovery = | 74.160% |        |          |
| 47) 2-Hexanone-d5             | 8.095          | 63   | 76720      | 83.355  | ug/L   | 0.00     |
| Spiked Amount 100.000         | Range 45 - 130 |      | Recovery = | 83.350% |        |          |
| 56) 1,1,2,2-Tetrachloroeth... | 10.217         | 84   | 131106     | 39.873  | ug/L   | 0.00     |
| Spiked Amount 50.000          | Range 65 - 120 |      | Recovery = | 79.740% |        |          |
| 66) 1,2-Dichlorobenzene-d4    | 11.625         | 152  | 103075     | 47.337  | ug/L   | 0.00     |
| Spiked Amount 50.000          | Range 80 - 120 |      | Recovery = | 94.680% |        |          |
|                               |                |      |            |         |        |          |
| Target Compounds              |                |      |            |         |        | Qvalue   |
| 25) Chloroform                | 4.378          | 83   | 5103       | 1.522   | ug/L   | 99       |
| 34) Trichloroethene           | 5.918          | 95   | 7585       | 4.294   | ug/L   | 97       |
| 39) cis-1,3-Dichloropropene   | 6.985          | 75   | 2261       | 0.871   | ug/L # | 63       |
| 44) trans-1,3-Dichloropropene | 7.625          | 75   | 1443       | 0.583   | ug/L # | 72       |
| 46) Tetrachloroethene         | 7.976          | 164  | 90722      | 62.380  | ug/L   | 99       |
| 61) 1,2,3-Trichloropropane    | 11.252         | 75   | 11029      | 6.037   | ug/L # | 65       |
| -----                         |                |      |            |         |        |          |

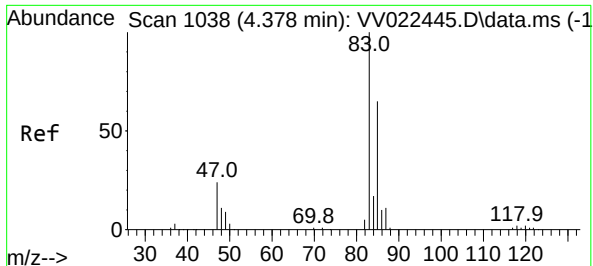
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : VOC Analysis  
QLast Update : Fri Oct 01 04:27:45 2021  
Response via : Initial Calibration





#25

Chloroform

Concen: 1.522 ug/L

RT: 4.378 min Scan# 1038

Delta R.T. -0.000 min

Lab File: VV022469.D

Acq: 01 Oct 2021 06:29

Tgt Ion: 83 Resp: 5103

Ion Ratio Lower Upper

83 100

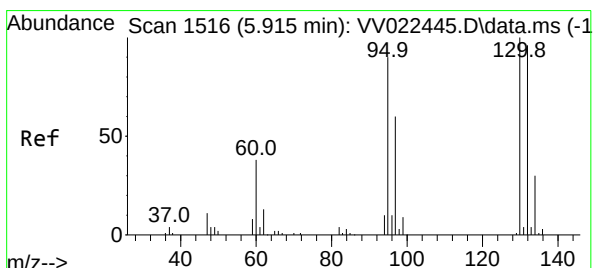
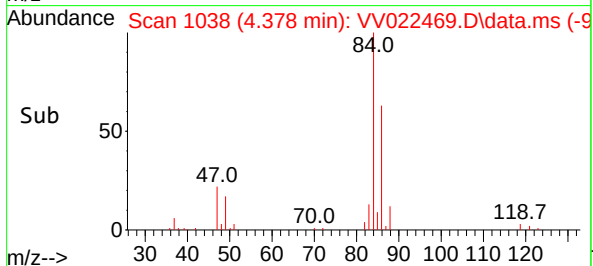
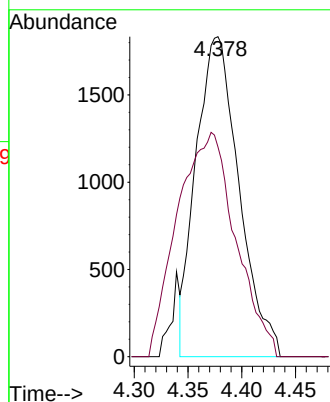
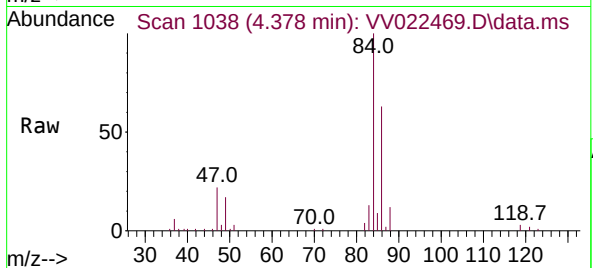
85 65.5 46.5 86.3

Instrument :

MSVOA\_V

ClientSampleId :

F4A55



#34

Trichloroethene

Concen: 4.294 ug/L

RT: 5.918 min Scan# 1517

Delta R.T. 0.003 min

Lab File: VV022469.D

Acq: 01 Oct 2021 06:29

Tgt Ion: 95 Resp: 7585

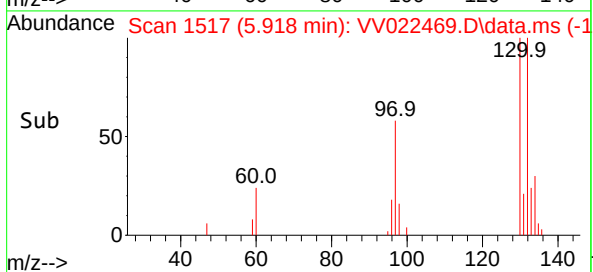
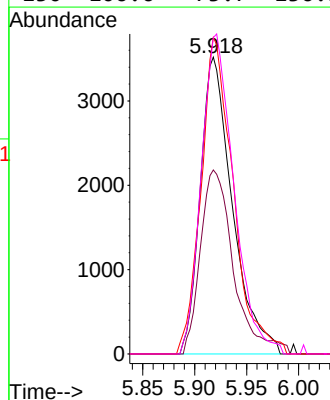
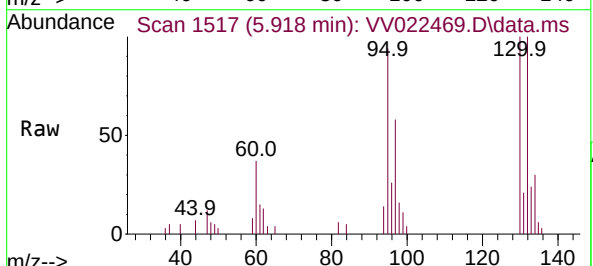
Ion Ratio Lower Upper

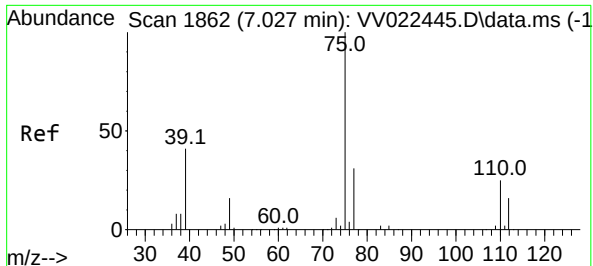
95 100

97 62.0 45.2 84.0

132 106.6 71.0 131.8

130 106.6 73.7 136.9



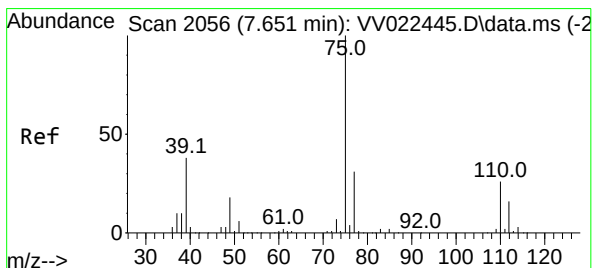
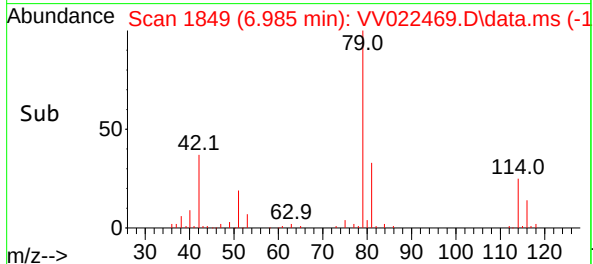
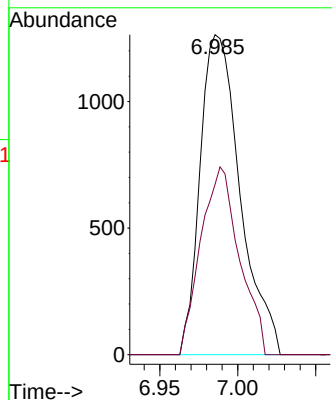
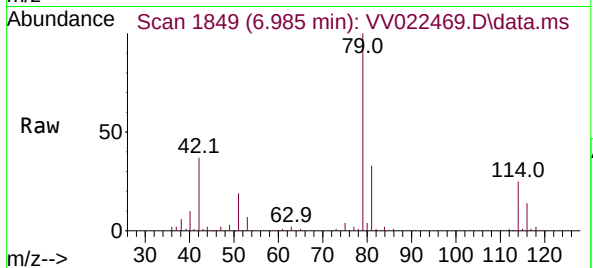


#39

cis-1,3-Dichloropropene  
Concen: 0.871 ug/L  
RT: 6.985 min Scan# 1849  
Delta R.T. -0.042 min  
Lab File: VV022469.D  
Acq: 01 Oct 2021 06:29

Instrument :  
MSVOA\_V  
ClientSampled :  
F4A55

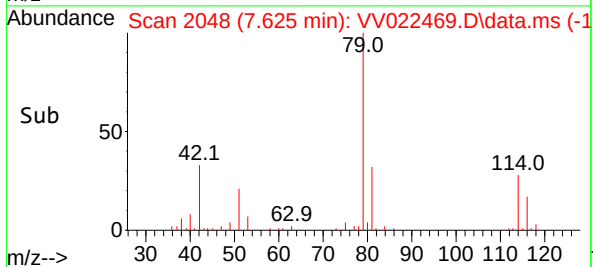
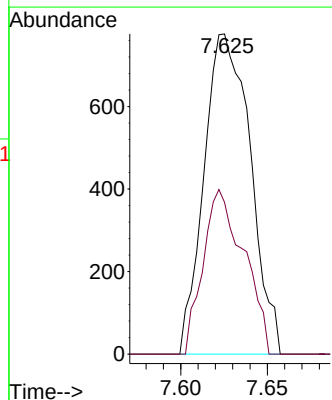
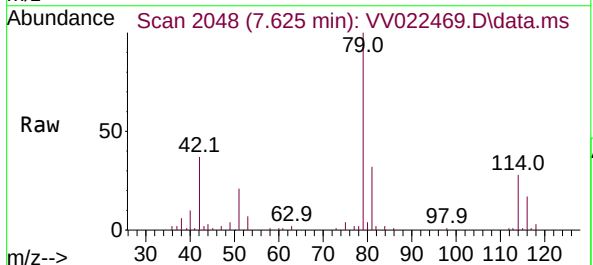
Tgt Ion: 75 Resp: 2261  
Ion Ratio Lower Upper  
75 100  
77 53.2 22.7 42.1#

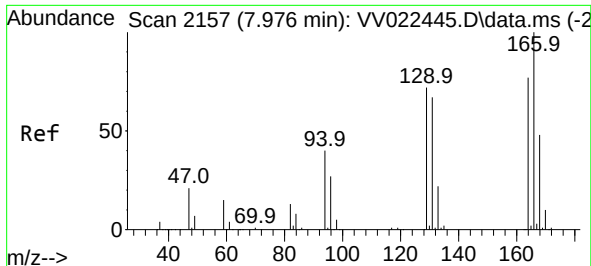


#44

trans-1,3-Dichloropropene  
Concen: 0.583 ug/L  
RT: 7.625 min Scan# 2048  
Delta R.T. -0.026 min  
Lab File: VV022469.D  
Acq: 01 Oct 2021 06:29

Tgt Ion: 75 Resp: 1443  
Ion Ratio Lower Upper  
75 100  
77 47.4 22.3 41.3#



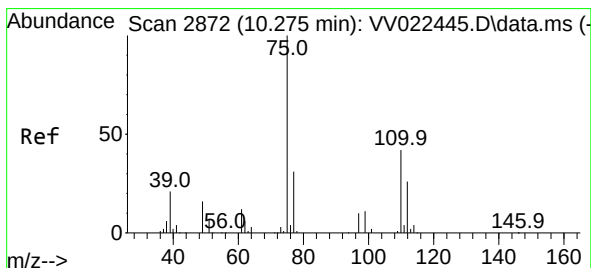
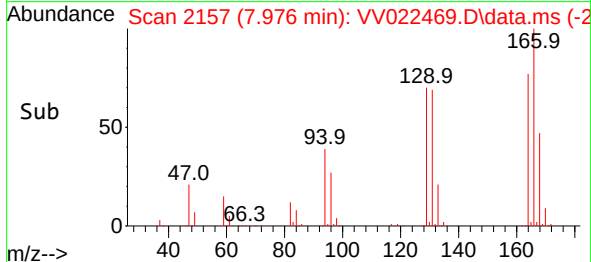
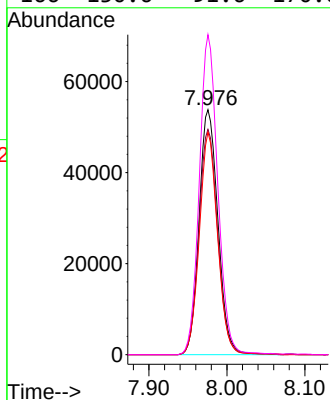
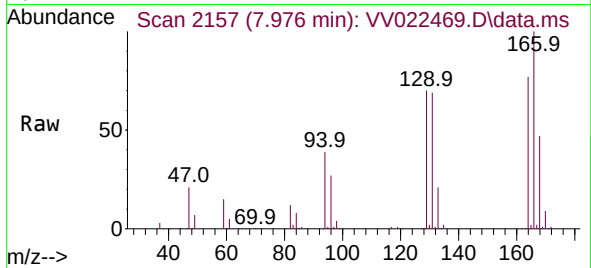


#46  
Tetrachloroethene  
Concen: 62.380 ug/L  
RT: 7.976 min Scan# 2157  
Delta R.T. -0.000 min  
Lab File: VV022469.D  
Acq: 01 Oct 2021 06:29

Instrument :  
MSVOA\_V  
ClientSampled :  
F4A55

Tgt Ion:164 Resp: 90722

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 164 | 100   |       |       |
| 129 | 92.0  | 66.4  | 123.4 |
| 131 | 90.8  | 63.6  | 118.0 |
| 166 | 130.6 | 91.6  | 170.0 |



#61  
1,2,3-Trichloropropane  
Concen: 6.037 ug/L  
RT: 11.252 min Scan# 3176  
Delta R.T. 0.977 min  
Lab File: VV022469.D  
Acq: 01 Oct 2021 06:29

Tgt Ion: 75 Resp: 11029

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 75  | 100   |       |       |
| 77  | 32.9  | 25.4  | 38.0  |
| 110 | 2.7   | 32.6  | 48.8# |

