

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_U\Data\VU121021\  
 Data File : VU046259.D  
 Acq On : 10 Dec 2021 12:29  
 Operator : SY/MD  
 Sample : VU1210MBL01  
 Misc : 5.00g/5.0mL/100uL/5.0mL/MSVOA\_U/MEOH  
 ALS Vial : 4 Sample Multiplier: 1

Instrument :  
 MSVOA\_U  
 ClientSampleId :

Quant Time: Dec 10 22:23:48 2021  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_U\Method\SFAMULM112921WMA.M  
 Quant Title : VOC Analysis  
 QLast Update : Fri Dec 03 05:08:36 2021  
 Response via : Initial Calibration

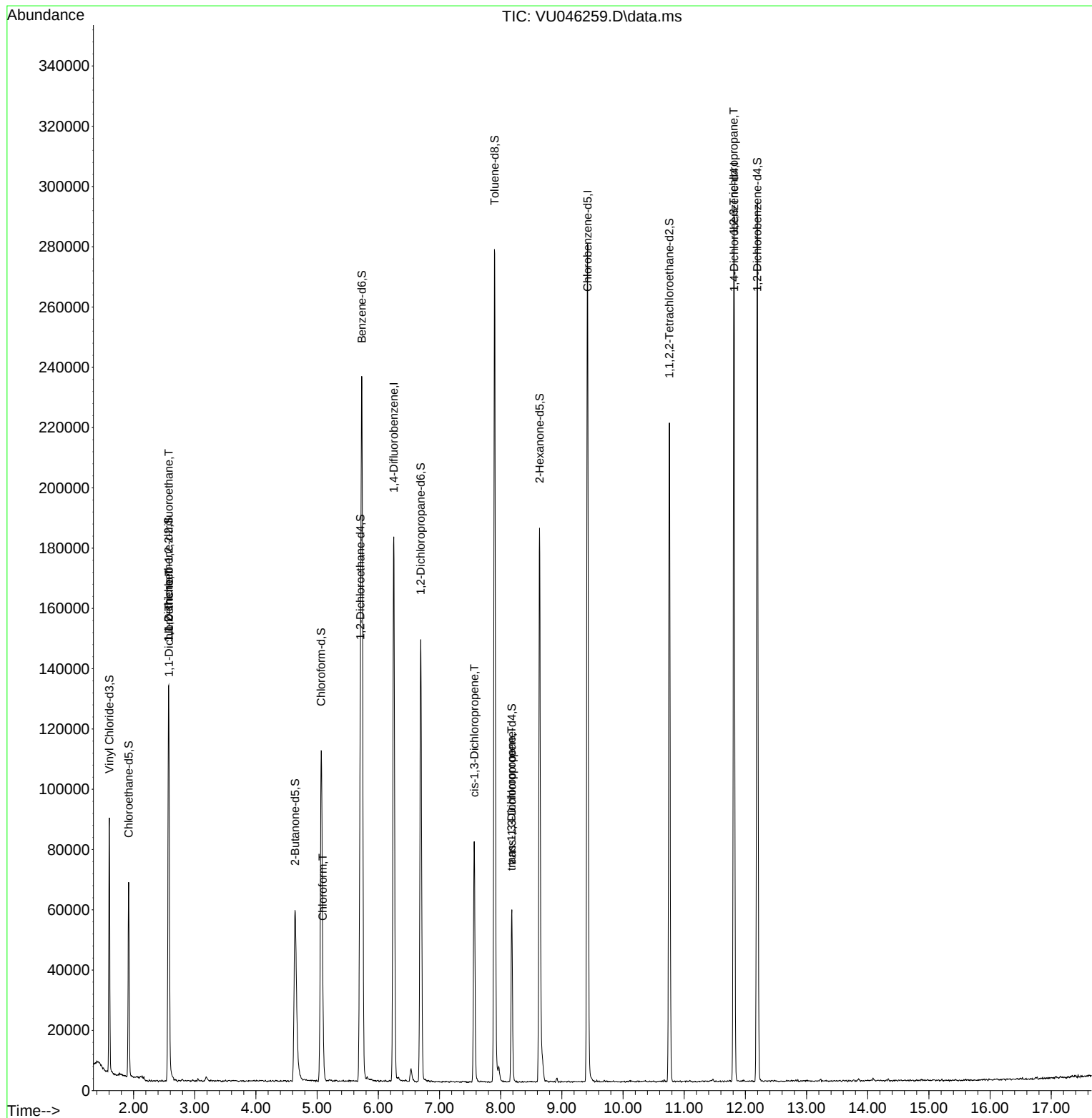
| Compound                      | R.T.    | QIon  | Response | Conc     | Units  | Dev(Min) |
|-------------------------------|---------|-------|----------|----------|--------|----------|
| -----                         |         |       |          |          |        |          |
| Internal Standards            |         |       |          |          |        |          |
| 1) 1,4-Difluorobenzene        | 6.253   | 114   | 149155   | 50.000   | ug/L   | 0.00     |
| 28) Chlorobenzene-d5          | 9.420   | 117   | 159755   | 50.000   | ug/L   | 0.00     |
| 58) 1,4-Dichlorobenzene-d4    | 11.816  | 152   | 78025    | 50.000   | ug/L   | 0.00     |
| System Monitoring Compounds   |         |       |          |          |        |          |
| 4) Vinyl Chloride-d3          | 1.604   | 65    | 58313    | 47.461   | ug/L   | 0.00     |
| Spiked Amount                 | 50.000  | Range | 60 - 135 | Recovery | =      | 94.920%  |
| 7) Chloroethane-d5            | 1.919   | 69    | 46959    | 49.779   | ug/L   | 0.00     |
| Spiked Amount                 | 50.000  | Range | 70 - 130 | Recovery | =      | 99.560%  |
| 11) 1,1-Dichloroethene-d2     | 2.572   | 63    | 78076    | 35.398   | ug/L   | 0.00     |
| Spiked Amount                 | 50.000  | Range | 60 - 125 | Recovery | =      | 70.800%  |
| 21) 2-Butanone-d5             | 4.639   | 46    | 98190    | 100.530  | ug/L   | 0.00     |
| Spiked Amount                 | 100.000 | Range | 40 - 130 | Recovery | =      | 100.530% |
| 24) Chloroform-d              | 5.067   | 84    | 100633   | 49.046   | ug/L   | 0.00     |
| Spiked Amount                 | 50.000  | Range | 70 - 125 | Recovery | =      | 98.100%  |
| 26) 1,2-Dichloroethane-d4     | 5.706   | 65    | 73528    | 53.398   | ug/L   | 0.00     |
| Spiked Amount                 | 50.000  | Range | 70 - 125 | Recovery | =      | 106.800% |
| 32) Benzene-d6                | 5.732   | 84    | 218328   | 47.682   | ug/L   | 0.00     |
| Spiked Amount                 | 50.000  | Range | 70 - 125 | Recovery | =      | 95.360%  |
| 36) 1,2-Dichloropropane-d6    | 6.694   | 67    | 70052    | 49.365   | ug/L   | 0.00     |
| Spiked Amount                 | 50.000  | Range | 70 - 120 | Recovery | =      | 98.720%  |
| 41) Toluene-d8                | 7.899   | 98    | 189262   | 45.397   | ug/L   | 0.00     |
| Spiked Amount                 | 50.000  | Range | 80 - 120 | Recovery | =      | 90.800%  |
| 43) trans-1,3-Dichloroprop... | 8.182   | 79    | 32610    | 47.604   | ug/L   | 0.00     |
| Spiked Amount                 | 50.000  | Range | 60 - 125 | Recovery | =      | 95.200%  |
| 47) 2-Hexanone-d5             | 8.636   | 63    | 64865    | 96.406   | ug/L   | 0.00     |
| Spiked Amount                 | 100.000 | Range | 45 - 130 | Recovery | =      | 96.410%  |
| 56) 1,1,2,2-Tetrachloroeth... | 10.758  | 84    | 107474   | 49.940   | ug/L   | 0.00     |
| Spiked Amount                 | 50.000  | Range | 65 - 120 | Recovery | =      | 99.880%  |
| 66) 1,2-Dichlorobenzene-d4    | 12.195  | 152   | 76524    | 50.927   | ug/L   | 0.00     |
| Spiked Amount                 | 50.000  | Range | 80 - 120 | Recovery | =      | 101.860% |
| Target Compounds              |         |       |          |          |        |          |
|                               |         |       |          |          | Qvalue |          |
| 10) 1,1,2-Trichloro-1,2,2-... | 2.575   | 101   | 723      | 0.666    | ug/L # | 21       |
| 12) 1,1-Dichloroethene        | 2.578   | 96    | 661      | 0.641    | ug/L # | 1        |
| 25) Chloroform                | 5.092   | 83    | 12042    | 5.462    | ug/L   | 100      |
| 39) cis-1,3-Dichloropropene   | 7.568   | 75    | 2021     | 1.049    | ug/L # | 64       |
| 44) trans-1,3-Dichloropropene | 8.179   | 75    | 1462     | 0.773    | ug/L   | 90       |
| 60) 1,2,3-Trichloropropane    | 11.809  | 75    | 9066     | 5.301    | ug/L # | 65       |
| -----                         |         |       |          |          |        |          |

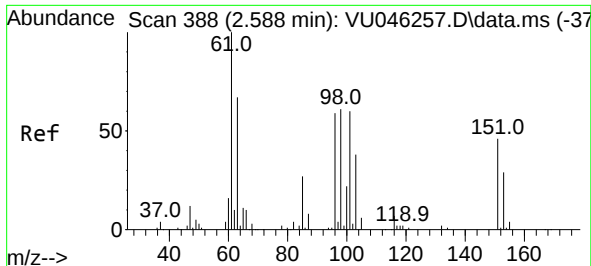
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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ALS Vial : 4 Sample Multiplier: 1

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Quant Title : VOC Analysis  
QLast Update : Fri Dec 03 05:08:36 2021  
Response via : Initial Calibration

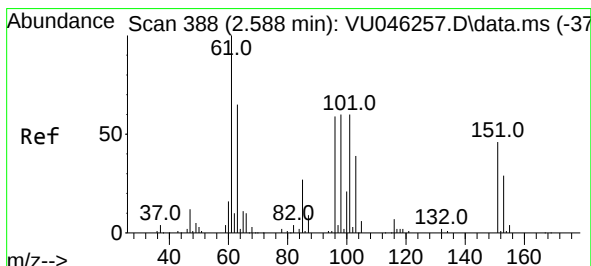
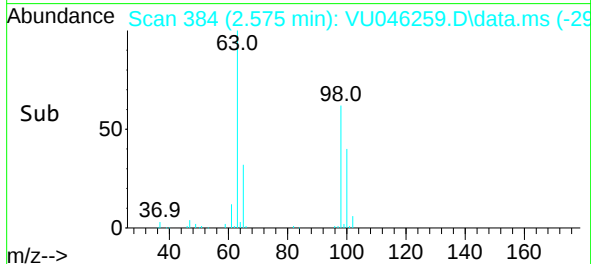
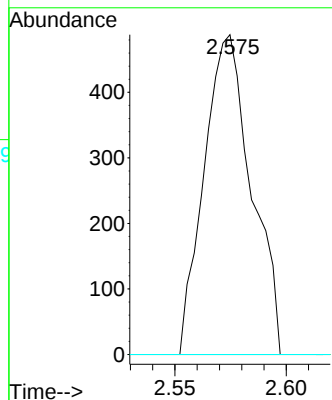
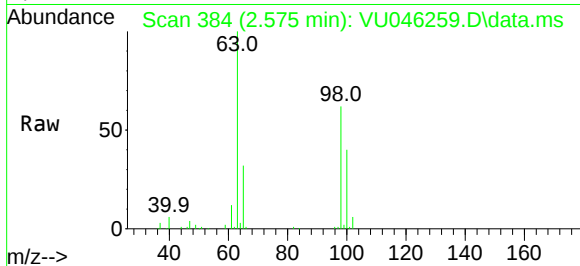




#10  
 1,1,2-Trichloro-1,2,2-trifluoroethane  
 Concen: 0.666 ug/L  
 RT: 2.575 min Scan# 384  
 Delta R.T. -0.013 min  
 Lab File: VU046259.D  
 Acq: 10 Dec 2021 12:29

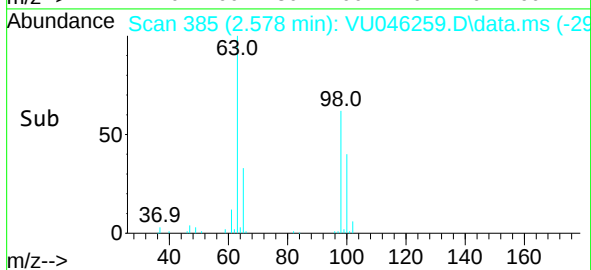
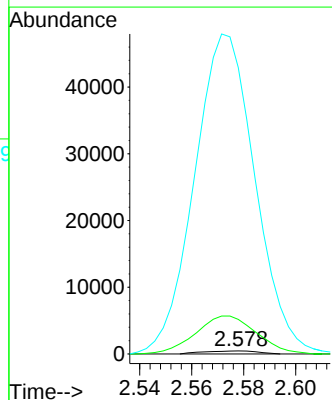
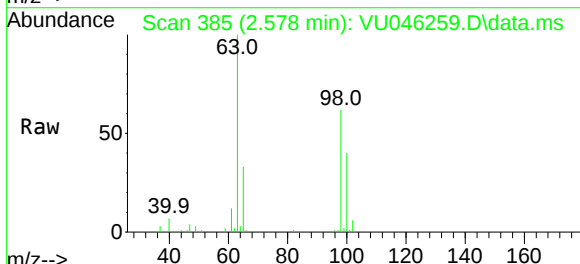
Instrument :  
 MSVOA\_U  
 ClientSampleId :

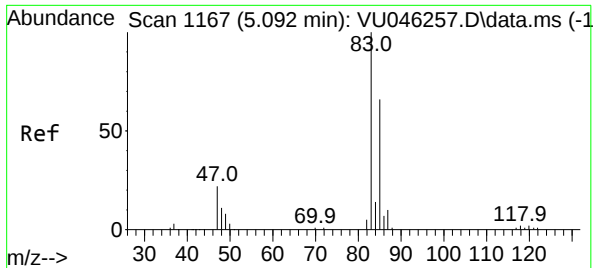
Tgt Ion:101 Resp: 723  
 Ion Ratio Lower Upper  
 101 100  
 85 0.0 35.1 52.7#  
 151 0.0 56.7 85.1#



#12  
 1,1-Dichloroethene  
 Concen: 0.641 ug/L  
 RT: 2.578 min Scan# 385  
 Delta R.T. -0.006 min  
 Lab File: VU046259.D  
 Acq: 10 Dec 2021 12:29

Tgt Ion: 96 Resp: 661  
 Ion Ratio Lower Upper  
 96 100  
 61 1127.0 118.6 220.2#  
 63 9333.9 93.0 172.8#

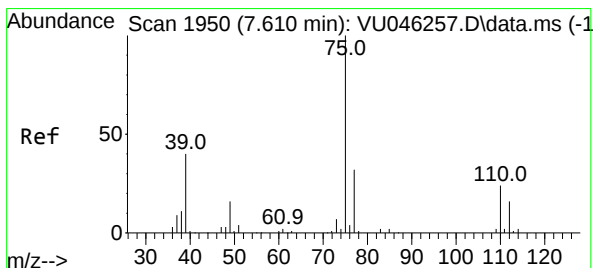
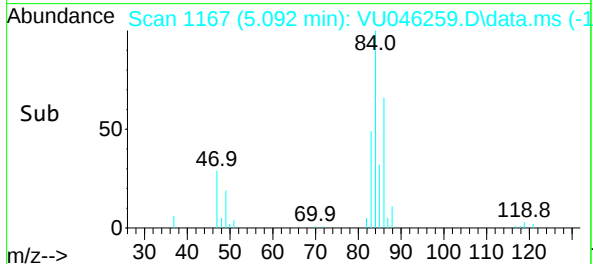
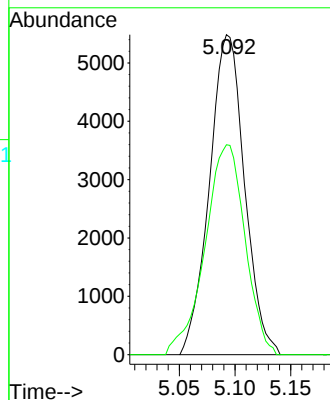
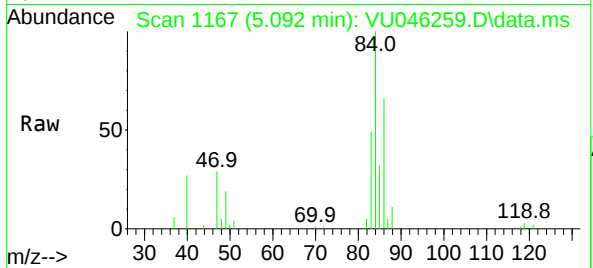




#25  
Chloroform  
Concen: 5.462 ug/L  
RT: 5.092 min Scan# 1167  
Delta R.T. -0.000 min  
Lab File: VU046259.D  
Acq: 10 Dec 2021 12:29

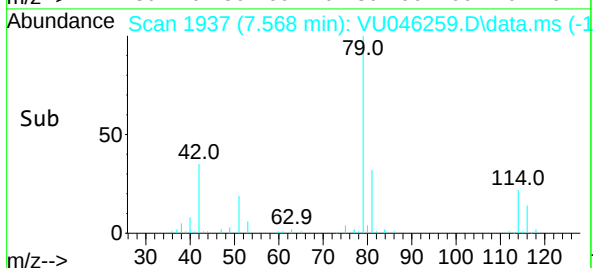
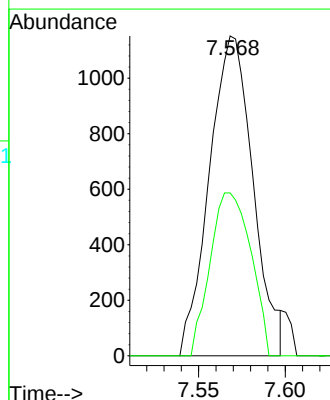
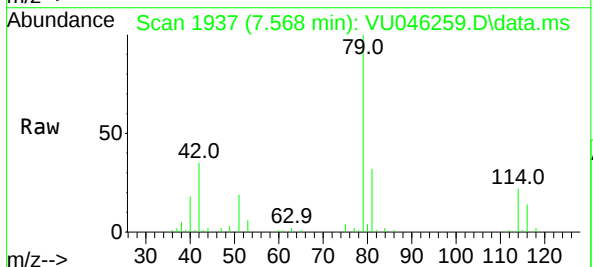
Instrument :  
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ClientSampleId :

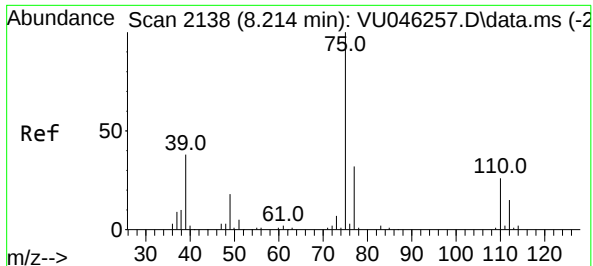
Tgt Ion: 83 Resp: 12042  
Ion Ratio Lower Upper  
83 100  
85 65.6 45.8 85.2



#39  
cis-1,3-Dichloropropene  
Concen: 1.049 ug/L  
RT: 7.568 min Scan# 1937  
Delta R.T. -0.042 min  
Lab File: VU046259.D  
Acq: 10 Dec 2021 12:29

Tgt Ion: 75 Resp: 2021  
Ion Ratio Lower Upper  
75 100  
77 51.0 21.8 40.6#

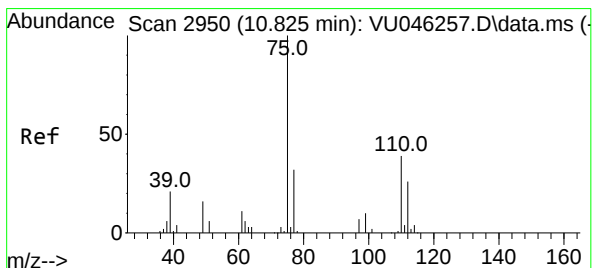
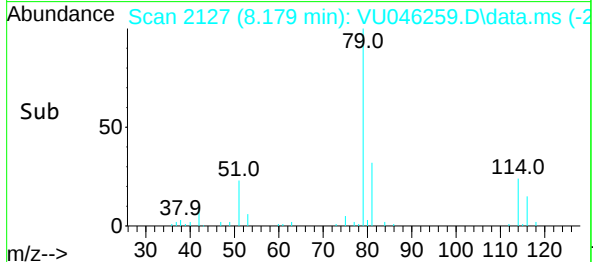
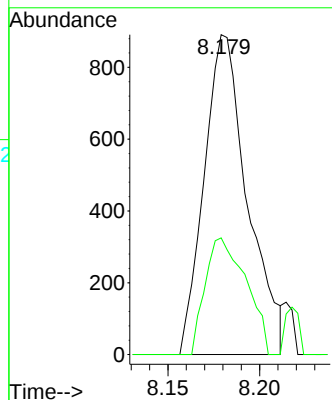
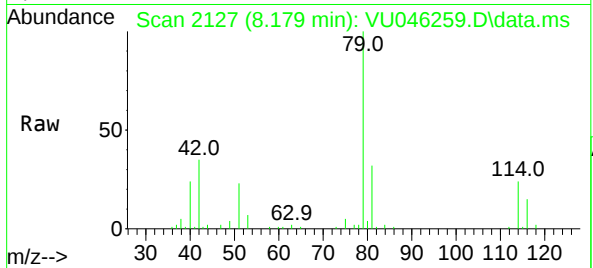




#44  
 trans-1,3-Dichloropropene  
 Concen: 0.773 ug/L  
 RT: 8.179 min Scan# 2138  
 Delta R.T. -0.035 min  
 Lab File: VU046259.D  
 Acq: 10 Dec 2021 12:29

Instrument :  
 MSVOA\_U  
 ClientSampleId :

Tgt Ion: 75 Resp: 1462  
 Ion Ratio Lower Upper  
 75 100  
 77 36.5 21.7 40.3



#60  
 1,2,3-Trichloropropane  
 Concen: 5.301 ug/L  
 RT: 11.809 min Scan# 3256  
 Delta R.T. 0.984 min  
 Lab File: VU046259.D  
 Acq: 10 Dec 2021 12:29

Tgt Ion: 75 Resp: 9066  
 Ion Ratio Lower Upper  
 75 100  
 77 34.3 26.4 39.6  
 110 1.9 32.4 48.6#

