

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_U\Data\VU100421\  
 Data File : VU045117.D  
 Acq On : 05 Oct 2021 00:08  
 Operator : SY/MD  
 Sample : M4023-14 100X  
 Misc : 5.0mL/MSVOA\_U/WATER  
 ALS Vial : 35 Sample Multiplier: 1

Instrument :  
 MSVOA\_U  
 ClientSampleId :  
 C0AK3

Quant Time: Oct 05 07:03:01 2021  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_U\Method\SFAMULM092321WMA.M  
 Quant Title : VOC Analysis  
 QLast Update : Tue Oct 05 02:41:56 2021  
 Response via : Initial Calibration

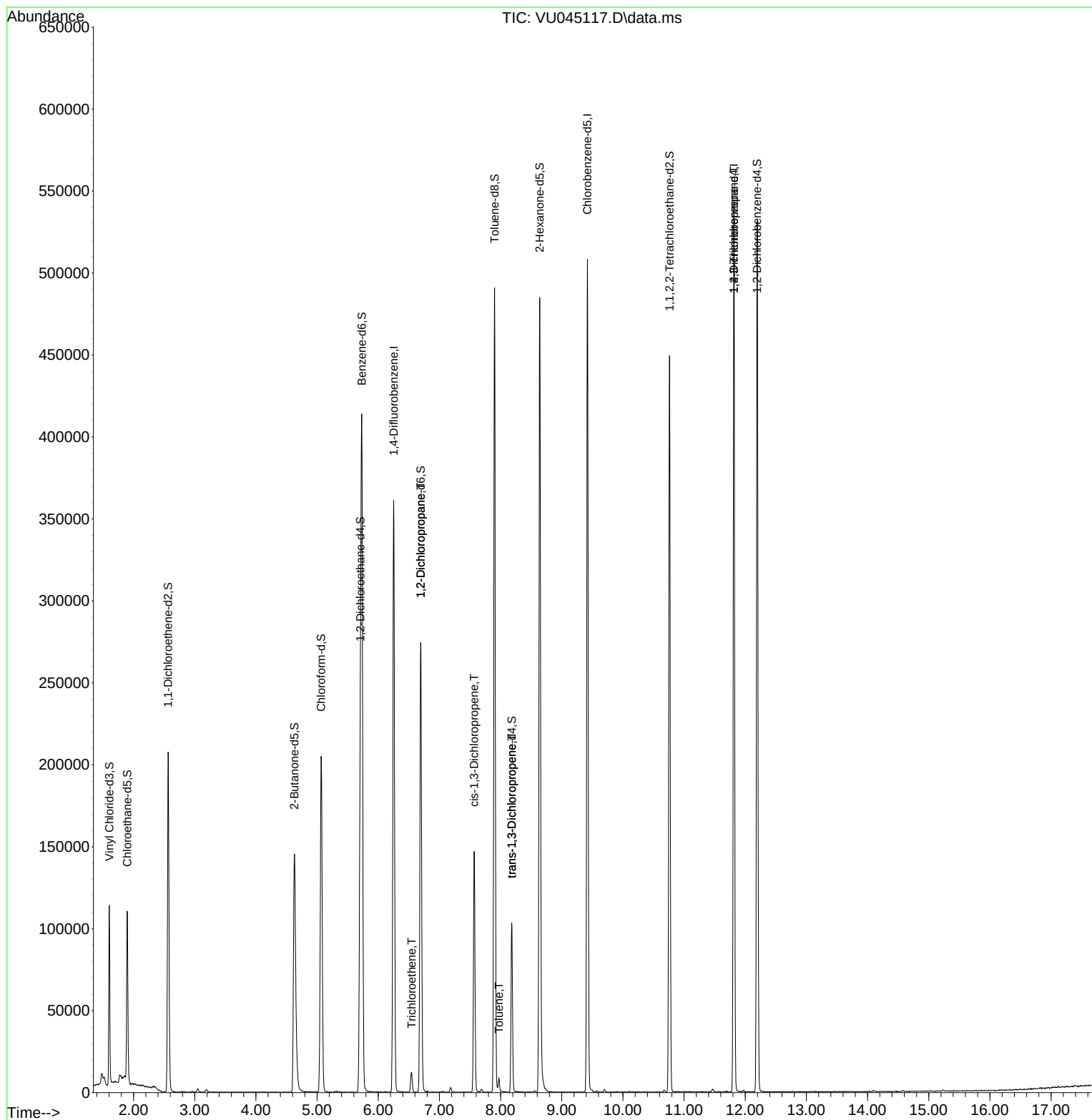
| Compound                      | R.T.    | QIon  | Response | Conc     | Units  | Dev(Min) |
|-------------------------------|---------|-------|----------|----------|--------|----------|
| -----                         |         |       |          |          |        |          |
| Internal Standards            |         |       |          |          |        |          |
| 1) 1,4-Difluorobenzene        | 6.253   | 114   | 282418   | 50.000   | ug/L   | 0.00     |
| 28) Chlorobenzene-d5          | 9.420   | 117   | 264567   | 50.000   | ug/L   | 0.00     |
| 58) 1,4-Dichlorobenzene-d4    | 11.815  | 152   | 129879   | 50.000   | ug/L   | 0.00     |
|                               |         |       |          |          |        |          |
| System Monitoring Compounds   |         |       |          |          |        |          |
| 4) Vinyl Chloride-d3          | 1.604   | 65    | 78525    | 25.399   | ug/L   | 0.00     |
| Spiked Amount                 | 50.000  | Range | 60 - 135 | Recovery | =      | 50.800%# |
| 7) Chloroethane-d5            | 1.896   | 69    | 80020    | 32.662   | ug/L   | -0.02    |
| Spiked Amount                 | 50.000  | Range | 70 - 130 | Recovery | =      | 65.320%# |
| 11) 1,1-Dichloroethene-d2     | 2.565   | 63    | 123715   | 23.828   | ug/L   | 0.00     |
| Spiked Amount                 | 50.000  | Range | 60 - 125 | Recovery | =      | 47.660%# |
| 21) 2-Butanone-d5             | 4.629   | 46    | 228605   | 93.530   | ug/L   | 0.00     |
| Spiked Amount                 | 100.000 | Range | 40 - 130 | Recovery | =      | 93.530%  |
| 24) Chloroform-d              | 5.067   | 84    | 186061   | 38.104   | ug/L   | 0.00     |
| Spiked Amount                 | 50.000  | Range | 70 - 125 | Recovery | =      | 76.200%  |
| 26) 1,2-Dichloroethane-d4     | 5.706   | 65    | 133887   | 40.480   | ug/L   | 0.00     |
| Spiked Amount                 | 50.000  | Range | 70 - 125 | Recovery | =      | 80.960%  |
| 32) Benzene-d6                | 5.732   | 84    | 366168   | 39.886   | ug/L   | 0.00     |
| Spiked Amount                 | 50.000  | Range | 70 - 125 | Recovery | =      | 79.780%  |
| 36) 1,2-Dichloropropane-d6    | 6.693   | 67    | 122427   | 40.899   | ug/L   | 0.00     |
| Spiked Amount                 | 50.000  | Range | 70 - 120 | Recovery | =      | 81.800%  |
| 41) Toluene-d8                | 7.902   | 98    | 313110   | 39.522   | ug/L   | 0.00     |
| Spiked Amount                 | 50.000  | Range | 80 - 120 | Recovery | =      | 79.040%# |
| 43) trans-1,3-Dichloroprop... | 8.182   | 79    | 54624    | 41.023   | ug/L   | 0.00     |
| Spiked Amount                 | 50.000  | Range | 60 - 125 | Recovery | =      | 82.040%  |
| 47) 2-Hexanone-d5             | 8.639   | 63    | 180760   | 108.966  | ug/L   | 0.00     |
| Spiked Amount                 | 100.000 | Range | 45 - 130 | Recovery | =      | 108.970% |
| 56) 1,1,2,2-Tetrachloroeth... | 10.761  | 84    | 217766   | 46.718   | ug/L   | 0.00     |
| Spiked Amount                 | 50.000  | Range | 65 - 120 | Recovery | =      | 93.440%  |
| 66) 1,2-Dichlorobenzene-d4    | 12.195  | 152   | 129065   | 45.662   | ug/L   | 0.00     |
| Spiked Amount                 | 50.000  | Range | 80 - 120 | Recovery | =      | 91.320%  |
|                               |         |       |          |          |        |          |
| Target Compounds              |         |       |          |          |        | Qvalue   |
| 34) Trichloroethene           | 6.546   | 95    | 3318     | 1.408    | ug/L   | 94       |
| 37) 1,2-Dichloropropane       | 6.693   | 63    | 14344    | 5.369    | ug/L # | 88       |
| 39) cis-1,3-Dichloropropene   | 7.568   | 75    | 3636     | 0.951    | ug/L # | 79       |
| 42) Toluene                   | 7.973   | 91    | 5509     | 0.553    | ug/L   | 95       |
| 44) trans-1,3-Dichloropropene | 8.182   | 75    | 2609     | 0.718    | ug/L # | 80       |
| 60) 1,2,3-Trichloropropane    | 11.815  | 75    | 17095    | 4.759    | ug/L # | 67       |
| -----                         |         |       |          |          |        |          |

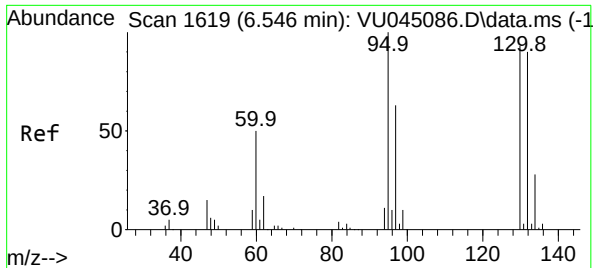
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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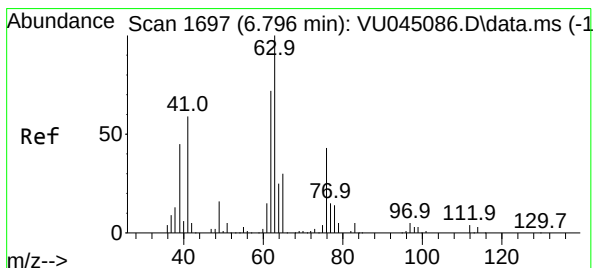
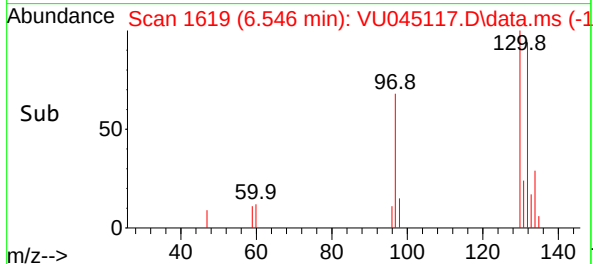
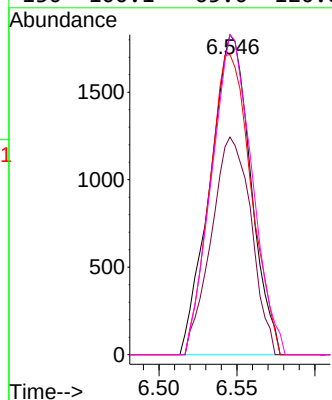
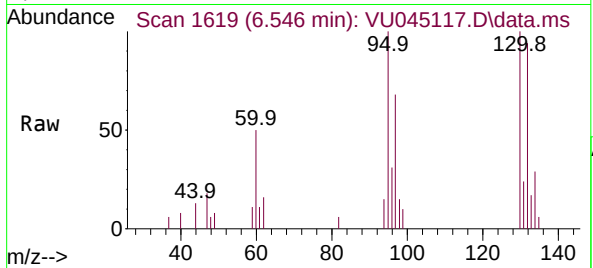


#34  
Trichloroethene  
Concen: 1.408 ug/L  
RT: 6.546 min Scan# 1619  
Delta R.T. -0.000 min  
Lab File: VU045117.D  
Acq: 05 Oct 2021 00:08

Instrument :  
MSVOA\_U  
ClientSampleId :  
C0AK3

Tgt Ion: 95 Resp: 3318

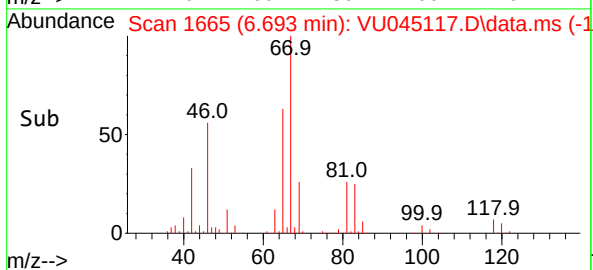
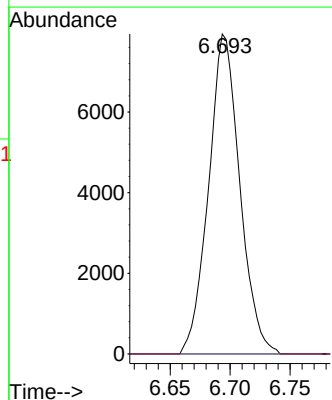
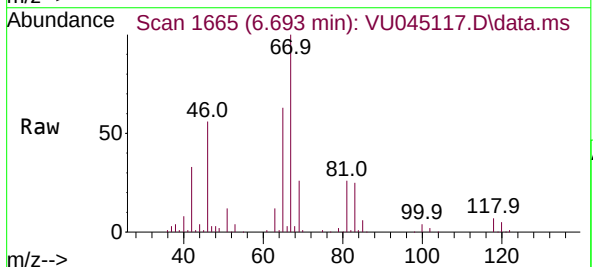
| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 95  | 100   |       |       |
| 97  | 68.1  | 44.4  | 82.4  |
| 132 | 93.9  | 62.9  | 116.9 |
| 130 | 100.1 | 65.0  | 120.8 |

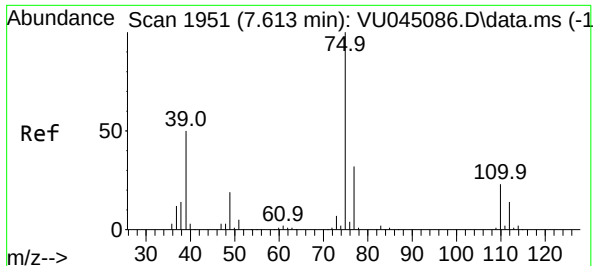


#37  
1,2-Dichloropropane  
Concen: 5.369 ug/L  
RT: 6.693 min Scan# 1665  
Delta R.T. -0.103 min  
Lab File: VU045117.D  
Acq: 05 Oct 2021 00:08

Tgt Ion: 63 Resp: 14344

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 63  | 100   |       |       |
| 112 | 0.0   | 3.2   | 4.8#  |



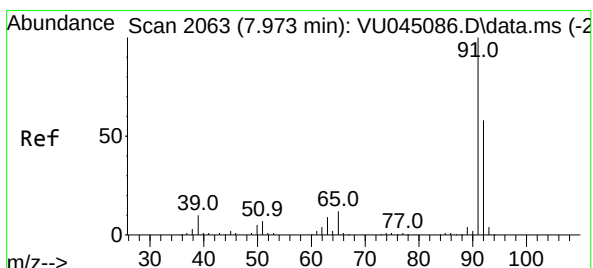
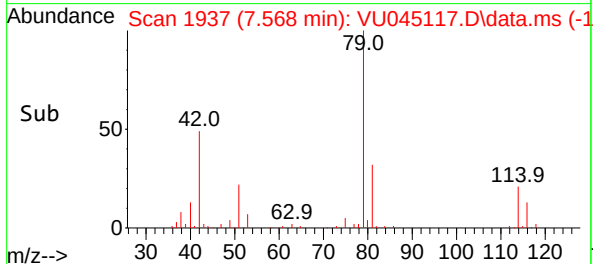
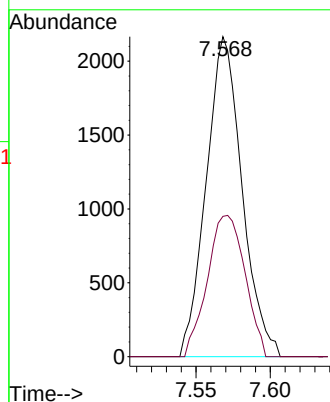
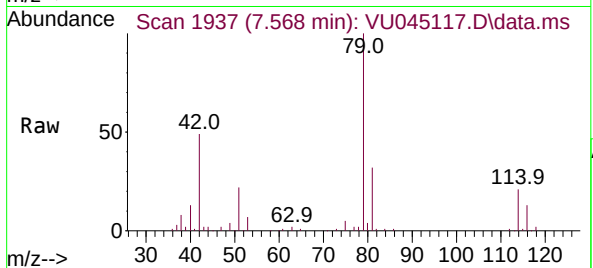


#39

cis-1,3-Dichloropropene  
Concen: 0.951 ug/L  
RT: 7.568 min Scan# 1937  
Delta R.T. -0.045 min  
Lab File: VU045117.D  
Acq: 05 Oct 2021 00:08

Instrument :  
MSVOA\_U  
ClientSampled :  
C0AK3

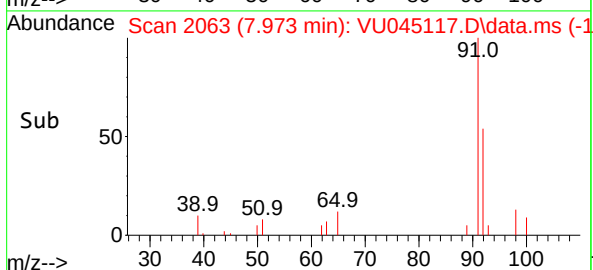
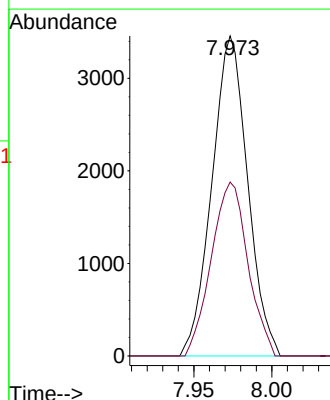
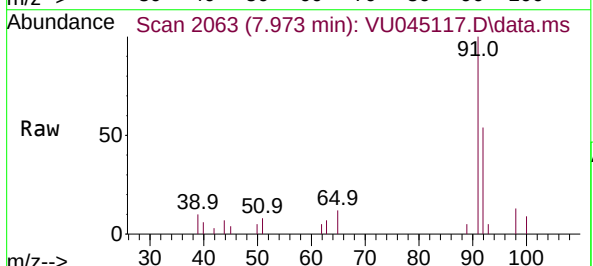
Tgt Ion: 75 Resp: 3636  
Ion Ratio Lower Upper  
75 100  
77 43.9 22.4 41.6#

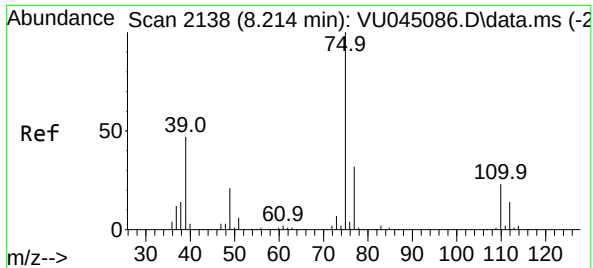


#42

Toluene  
Concen: 0.553 ug/L  
RT: 7.973 min Scan# 2063  
Delta R.T. -0.000 min  
Lab File: VU045117.D  
Acq: 05 Oct 2021 00:08

Tgt Ion: 91 Resp: 5509  
Ion Ratio Lower Upper  
91 100  
92 54.4 40.5 75.1

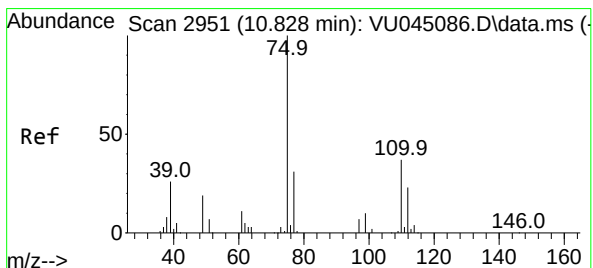
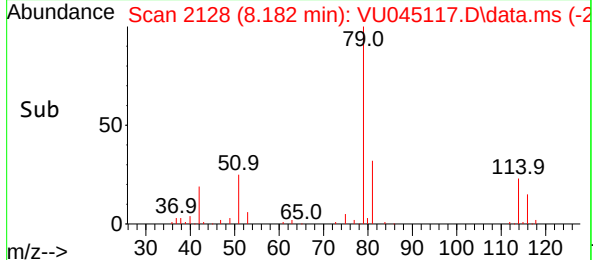
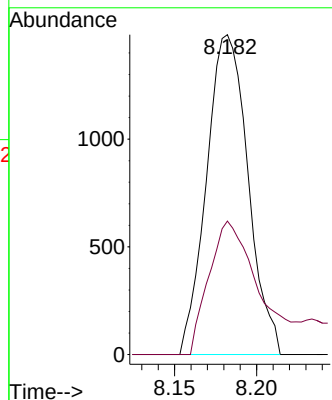
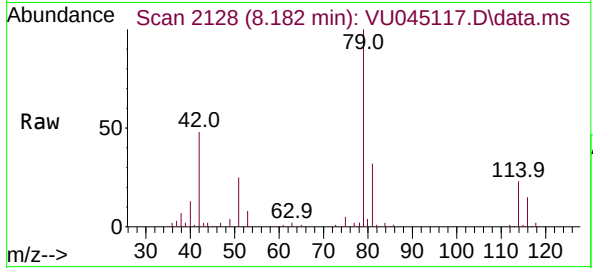




#44  
trans-1,3-Dichloropropene  
Concen: 0.718 ug/L  
RT: 8.182 min Scan# 2128  
Delta R.T. -0.032 min  
Lab File: VU045117.D  
Acq: 05 Oct 2021 00:08

Instrument :  
MSVOA\_U  
ClientSampled :  
C0AK3

Tgt Ion: 75 Resp: 2609  
Ion Ratio Lower Upper  
75 100  
77 41.8 21.7 40.3#



#60  
1,2,3-Trichloropropane  
Concen: 4.759 ug/L  
RT: 11.815 min Scan# 3258  
Delta R.T. 0.987 min  
Lab File: VU045117.D  
Acq: 05 Oct 2021 00:08

Tgt Ion: 75 Resp: 17095  
Ion Ratio Lower Upper  
75 100  
77 33.7 25.5 38.3  
110 1.8 29.0 43.4#

