

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_U\Data\VU112522\  
 Data File : VU052137.D  
 Acq On : 25 Nov 2022 12:31  
 Operator : JC/MD  
 Sample : N5711-02  
 Misc : 5.0mL/MSVOA\_U/WATER  
 ALS Vial : 7 Sample Multiplier: 1

Instrument :  
 MSVOA\_U  
 ClientSampleId :  
 VHBLK001

Quant Time: Nov 25 21:02:17 2022  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_U\Method\SFAMULM112122WMA.M  
 Quant Title : VOC Analysis  
 QLast Update : Fri Nov 25 21:01:09 2022  
 Response via : Initial Calibration

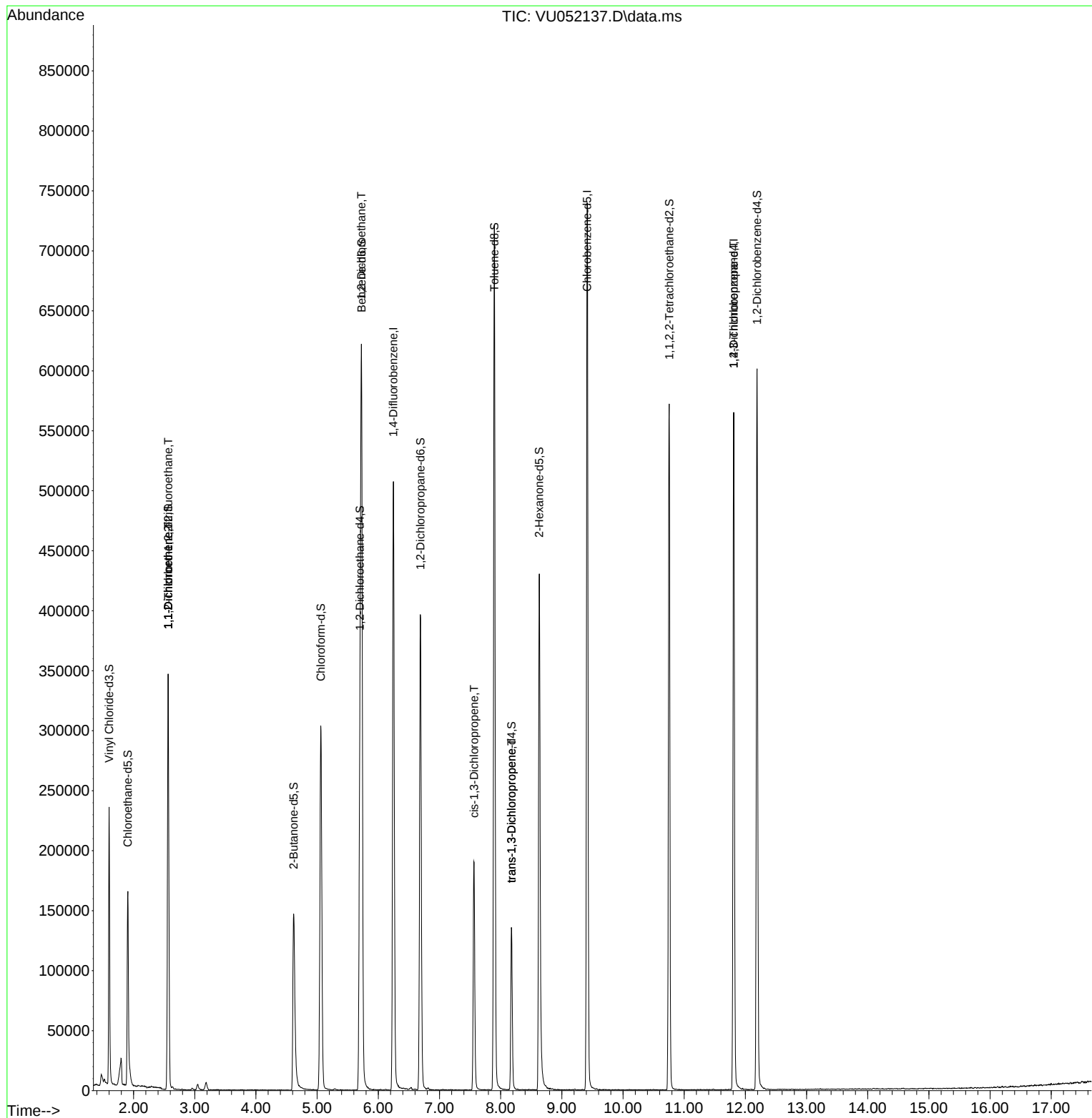
| Compound                      | R.T.           | QIon | Response   | Conc     | Units  | Dev(Min) |
|-------------------------------|----------------|------|------------|----------|--------|----------|
| -----                         |                |      |            |          |        |          |
| Internal Standards            |                |      |            |          |        |          |
| 1) 1,4-Difluorobenzene        | 6.247          | 114  | 419711     | 50.000   | ug/L   | 0.00     |
| 28) Chlorobenzene-d5          | 9.414          | 117  | 424577     | 50.000   | ug/L   | 0.00     |
| 58) 1,4-Dichlorobenzene-d4    | 11.809         | 152  | 158142     | 50.000   | ug/L   | 0.00     |
|                               |                |      |            |          |        |          |
| System Monitoring Compounds   |                |      |            |          |        |          |
| 4) Vinyl Chloride-d3          | 1.600          | 65   | 170217     | 46.800   | ug/L   | 0.00     |
| Spiked Amount 50.000          | Range 60 - 135 |      | Recovery = | 93.600%  |        |          |
| 7) Chloroethane-d5            | 1.906          | 69   | 143623     | 49.861   | ug/L   | 0.00     |
| Spiked Amount 50.000          | Range 70 - 130 |      | Recovery = | 99.720%  |        |          |
| 11) 1,1-Dichloroethene-d2     | 2.565          | 63   | 201452     | 37.366   | ug/L   | 0.00     |
| Spiked Amount 50.000          | Range 60 - 125 |      | Recovery = | 74.740%  |        |          |
| 21) 2-Butanone-d5             | 4.616          | 46   | 209340     | 95.780   | ug/L   | 0.00     |
| Spiked Amount 100.000         | Range 40 - 130 |      | Recovery = | 95.780%  |        |          |
| 24) Chloroform-d              | 5.060          | 84   | 291282     | 48.880   | ug/L   | 0.00     |
| Spiked Amount 50.000          | Range 70 - 125 |      | Recovery = | 97.760%  |        |          |
| 26) 1,2-Dichloroethane-d4     | 5.700          | 65   | 180995     | 50.500   | ug/L   | 0.00     |
| Spiked Amount 50.000          | Range 70 - 125 |      | Recovery = | 101.000% |        |          |
| 32) Benzene-d6                | 5.726          | 84   | 604015     | 47.728   | ug/L   | 0.00     |
| Spiked Amount 50.000          | Range 70 - 125 |      | Recovery = | 95.460%  |        |          |
| 36) 1,2-Dichloropropane-d6    | 6.687          | 67   | 200250     | 49.254   | ug/L   | 0.00     |
| Spiked Amount 50.000          | Range 70 - 120 |      | Recovery = | 98.500%  |        |          |
| 41) Toluene-d8                | 7.896          | 98   | 495149     | 43.791   | ug/L   | 0.00     |
| Spiked Amount 50.000          | Range 80 - 120 |      | Recovery = | 87.580%  |        |          |
| 43) trans-1,3-Dichloroprop... | 8.176          | 79   | 77294      | 44.660   | ug/L   | 0.00     |
| Spiked Amount 50.000          | Range 60 - 125 |      | Recovery = | 89.320%  |        |          |
| 47) 2-Hexanone-d5             | 8.629          | 63   | 144194     | 90.919   | ug/L   | 0.00     |
| Spiked Amount 100.000         | Range 45 - 130 |      | Recovery = | 90.920%  |        |          |
| 56) 1,1,2,2-Tetrachloroeth... | 10.754         | 84   | 294762     | 45.827   | ug/L   | 0.00     |
| Spiked Amount 50.000          | Range 65 - 120 |      | Recovery = | 91.660%  |        |          |
| 66) 1,2-Dichlorobenzene-d4    | 12.192         | 152  | 165106     | 50.487   | ug/L   | 0.00     |
| Spiked Amount 50.000          | Range 80 - 120 |      | Recovery = | 100.980% |        |          |
|                               |                |      |            |          |        |          |
| Target Compounds              |                |      |            |          |        | Qvalue   |
| 10) 1,1,2-Trichloro-1,2,2-... | 2.565          | 101  | 1870       | 0.735    | ug/L # | 20       |
| 12) 1,1-Dichloroethene        | 2.565          | 96   | 1403       | 0.577    | ug/L # | 1        |
| 27) 1,2-Dichloroethane        | 5.722          | 62   | 2985       | 0.725    | ug/L   | 96       |
| 39) cis-1,3-Dichloropropene   | 7.565          | 75   | 4590       | 0.966    | ug/L # | 65       |
| 44) trans-1,3-Dichloropropene | 8.176          | 75   | 2920       | 0.657    | ug/L # | 72       |
| 60) 1,2,3-Trichloropropane    | 11.809         | 75   | 18971      | 5.166    | ug/L # | 67       |
| -----                         |                |      |            |          |        |          |

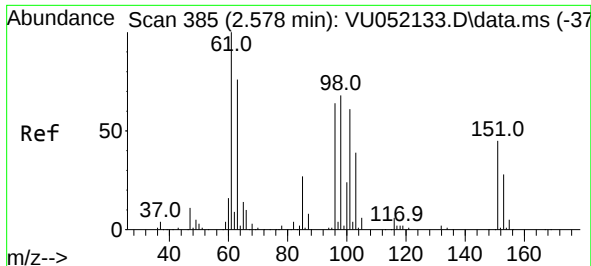
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : VOC Analysis  
QLast Update : Fri Nov 25 21:01:09 2022  
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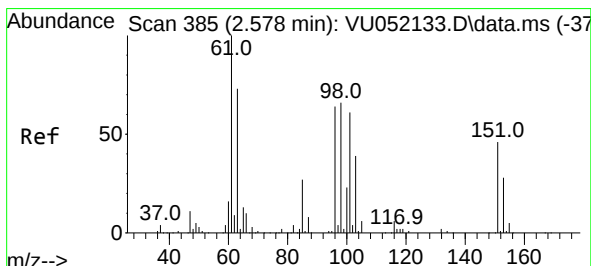
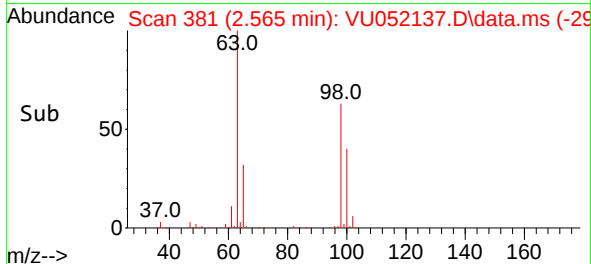
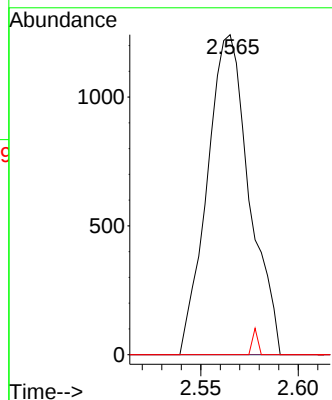
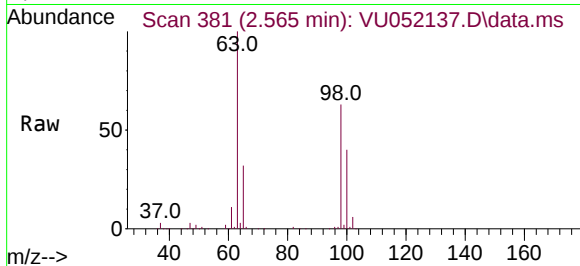




#10  
 1,1,2-Trichloro-1,2,2-trifluoroethane  
 Concen: 0.735 ug/L  
 RT: 2.565 min Scan# 381  
 Delta R.T. -0.013 min  
 Lab File: VU052137.D  
 Acq: 25 Nov 2022 12:31

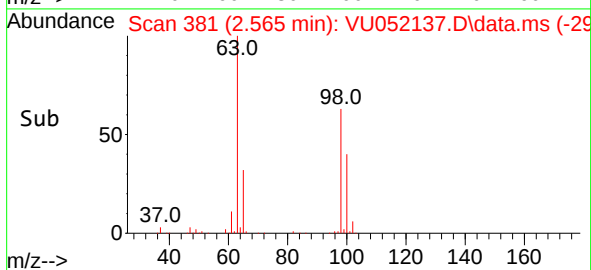
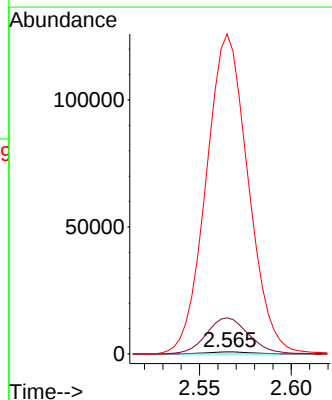
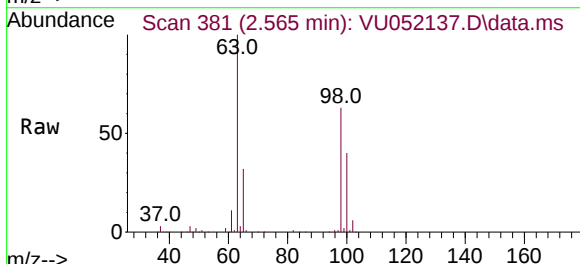
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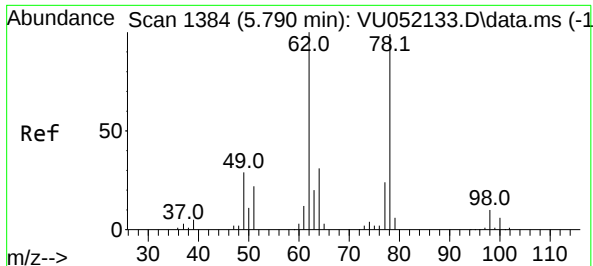
Tgt Ion:101 Resp: 1870  
 Ion Ratio Lower Upper  
 101 100  
 85 0.0 33.6 50.4#  
 151 0.0 58.9 88.3#



#12  
 1,1-Dichloroethene  
 Concen: 0.577 ug/L  
 RT: 2.565 min Scan# 381  
 Delta R.T. -0.013 min  
 Lab File: VU052137.D  
 Acq: 25 Nov 2022 12:31

Tgt Ion: 96 Resp: 1403  
 Ion Ratio Lower Upper  
 96 100  
 61 1699.3 114.2 212.0#  
 63 15067.9 90.9 168.7#

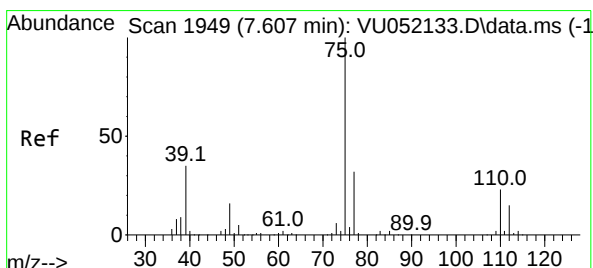
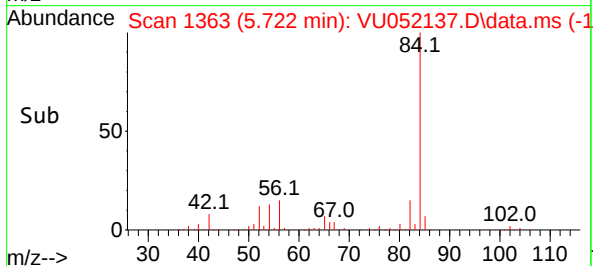
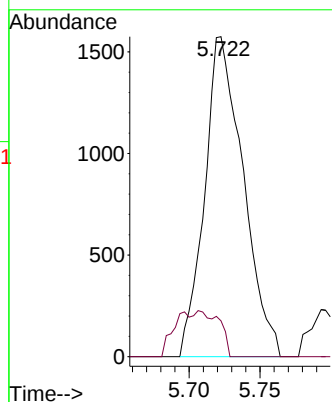
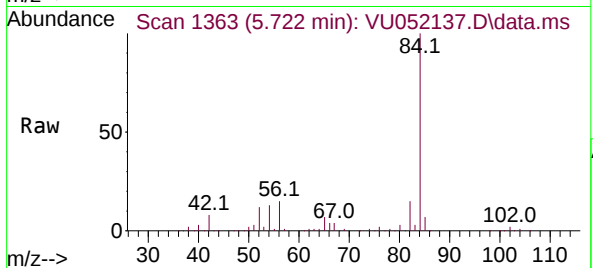




#27  
1,2-Dichloroethane  
Concen: 0.725 ug/L  
RT: 5.722 min Scan# 1363  
Delta R.T. -0.068 min  
Lab File: VU052137.D  
Acq: 25 Nov 2022 12:31

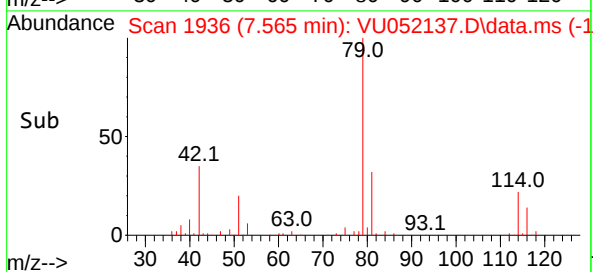
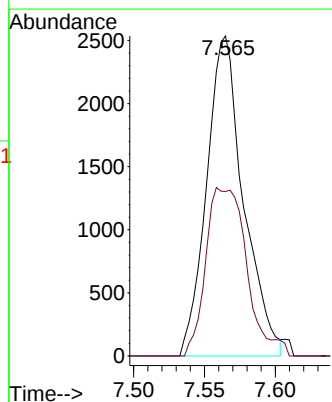
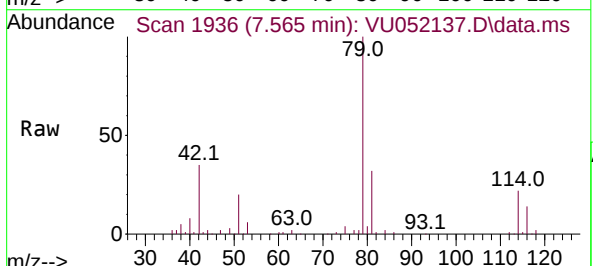
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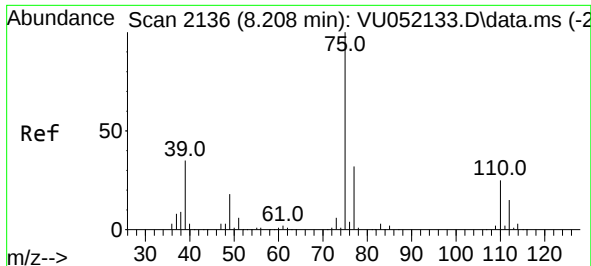
Tgt Ion: 62 Resp: 2985  
Ion Ratio Lower Upper  
62 100  
98 11.2 7.9 11.9



#39  
cis-1,3-Dichloropropene  
Concen: 0.966 ug/L  
RT: 7.565 min Scan# 1936  
Delta R.T. -0.042 min  
Lab File: VU052137.D  
Acq: 25 Nov 2022 12:31

Tgt Ion: 75 Resp: 4590  
Ion Ratio Lower Upper  
75 100  
77 51.4 22.3 41.3#

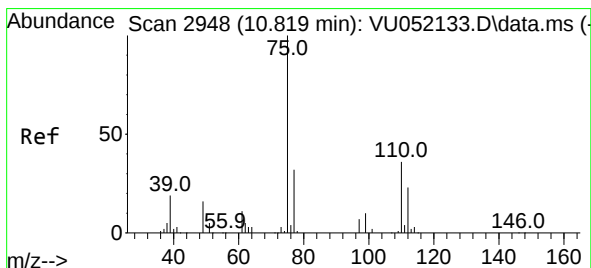
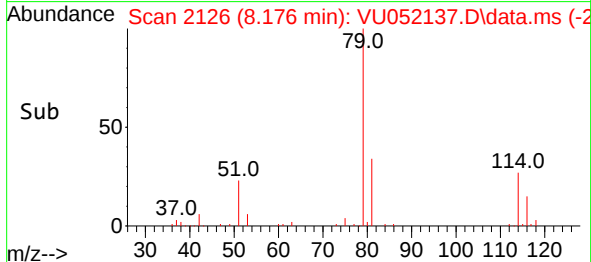
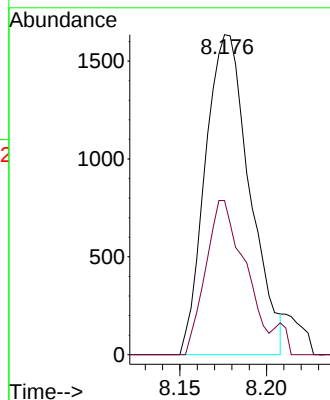
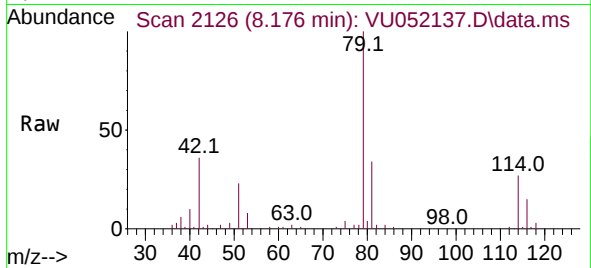




#44  
trans-1,3-Dichloropropene  
Concen: 0.657 ug/L  
RT: 8.176 min Scan# 2136  
Delta R.T. -0.032 min  
Lab File: VU052137.D  
Acq: 25 Nov 2022 12:31

Instrument :  
MSVOA\_U  
ClientSampleId :  
VHBLK001

Tgt Ion: 75 Resp: 2920  
Ion Ratio Lower Upper  
75 100  
77 48.1 22.7 42.1#



#60  
1,2,3-Trichloropropane  
Concen: 5.166 ug/L  
RT: 11.809 min Scan# 3256  
Delta R.T. 0.990 min  
Lab File: VU052137.D  
Acq: 25 Nov 2022 12:31

Tgt Ion: 75 Resp: 18971  
Ion Ratio Lower Upper  
75 100  
77 29.8 26.0 39.0  
110 1.4 29.0 43.4#

