

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_U\Data\VU090322\  
 Data File : VU050614.D  
 Acq On : 03 Sep 2022 16:00  
 Operator : SY/MD  
 Sample : N4481-01 10X  
 Misc : 5.0mL/MSVOA\_U/WATER  
 ALS Vial : 13 Sample Multiplier: 1

Instrument :  
 MSVOA\_U  
 ClientSampleId :  
 DBVF1

Quant Time: Sep 05 01:08:03 2022  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_U\Method\SFAMULM090222WMA.M  
 Quant Title : VOC Analysis  
 QLast Update : Mon Sep 05 01:05:15 2022  
 Response via : Initial Calibration

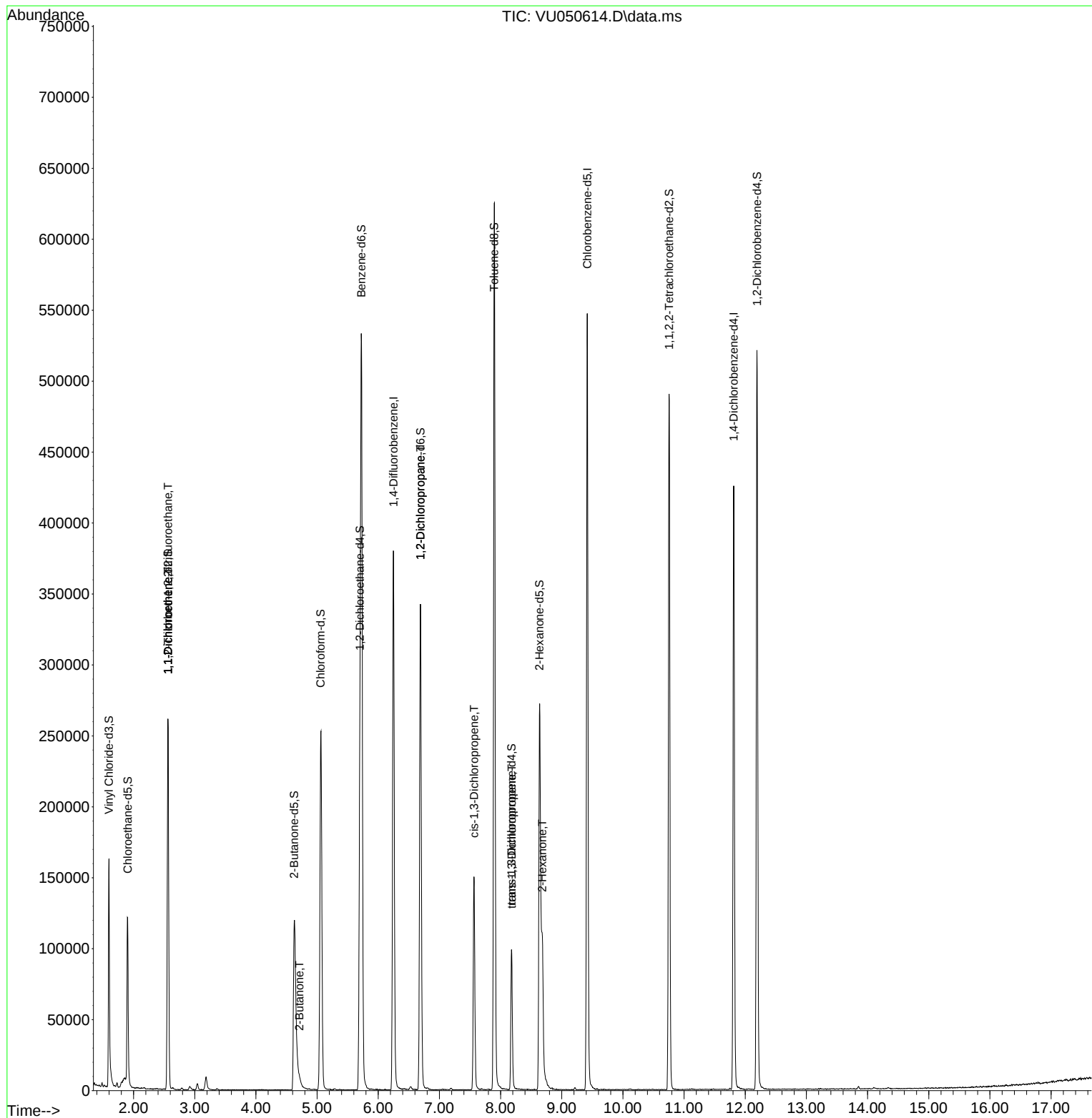
| Compound                      | R.T.           | QIon | Response   | Conc     | Units  | Dev(Min) |
|-------------------------------|----------------|------|------------|----------|--------|----------|
| -----                         |                |      |            |          |        |          |
| Internal Standards            |                |      |            |          |        |          |
| 1) 1,4-Difluorobenzene        | 6.250          | 114  | 317279     | 50.000   | ug/L   | 0.00     |
| 28) Chlorobenzene-d5          | 9.417          | 117  | 314253     | 50.000   | ug/L   | 0.00     |
| 58) 1,4-Dichlorobenzene-d4    | 11.812         | 152  | 114986     | 50.000   | ug/L   | 0.00     |
|                               |                |      |            |          |        |          |
| System Monitoring Compounds   |                |      |            |          |        |          |
| 4) Vinyl Chloride-d3          | 1.597          | 65   | 131875     | 48.596   | ug/L   | 0.00     |
| Spiked Amount 50.000          | Range 60 - 135 |      | Recovery = | 97.200%  |        |          |
| 7) Chloroethane-d5            | 1.903          | 69   | 92470      | 50.389   | ug/L   | 0.00     |
| Spiked Amount 50.000          | Range 70 - 130 |      | Recovery = | 100.780% |        |          |
| 11) 1,1-Dichloroethene-d2     | 2.562          | 63   | 156346     | 32.602   | ug/L   | 0.00     |
| Spiked Amount 50.000          | Range 60 - 125 |      | Recovery = | 65.200%  |        |          |
| 21) 2-Butanone-d5             | 4.626          | 46   | 185887     | 93.625   | ug/L   | 0.00     |
| Spiked Amount 100.000         | Range 40 - 130 |      | Recovery = | 93.630%  |        |          |
| 24) Chloroform-d              | 5.060          | 84   | 241533     | 46.961   | ug/L   | 0.00     |
| Spiked Amount 50.000          | Range 70 - 125 |      | Recovery = | 93.920%  |        |          |
| 26) 1,2-Dichloroethane-d4     | 5.700          | 65   | 155110     | 49.352   | ug/L   | 0.00     |
| Spiked Amount 50.000          | Range 70 - 125 |      | Recovery = | 98.700%  |        |          |
| 32) Benzene-d6                | 5.726          | 84   | 500796     | 48.222   | ug/L   | 0.00     |
| Spiked Amount 50.000          | Range 70 - 125 |      | Recovery = | 96.440%  |        |          |
| 36) 1,2-Dichloropropane-d6    | 6.690          | 67   | 176623     | 51.801   | ug/L   | 0.00     |
| Spiked Amount 50.000          | Range 70 - 120 |      | Recovery = | 103.600% |        |          |
| 41) Toluene-d8                | 7.896          | 98   | 427819     | 48.173   | ug/L   | 0.00     |
| Spiked Amount 50.000          | Range 80 - 120 |      | Recovery = | 96.340%  |        |          |
| 43) trans-1,3-Dichloroprop... | 8.179          | 79   | 58684      | 41.597   | ug/L   | 0.00     |
| Spiked Amount 50.000          | Range 60 - 125 |      | Recovery = | 83.200%  |        |          |
| 47) 2-Hexanone-d5             | 8.636          | 63   | 83842      | 97.758   | ug/L   | 0.00     |
| Spiked Amount 100.000         | Range 45 - 130 |      | Recovery = | 97.760%  |        |          |
| 56) 1,1,2,2-Tetrachloroeth... | 10.755         | 84   | 255806     | 49.578   | ug/L   | 0.00     |
| Spiked Amount 50.000          | Range 65 - 120 |      | Recovery = | 99.160%  |        |          |
| 66) 1,2-Dichlorobenzene-d4    | 12.192         | 152  | 139602     | 51.863   | ug/L   | 0.00     |
| Spiked Amount 50.000          | Range 80 - 120 |      | Recovery = | 103.720% |        |          |
|                               |                |      |            |          |        |          |
| Target Compounds              |                |      |            |          |        | Qvalue   |
| 10) 1,1,2-Trichloro-1,2,2-... | 2.562          | 101  | 1362       | 0.549    | ug/L # | 21       |
| 12) 1,1-Dichloroethene        | 2.562          | 96   | 1206       | 0.501    | ug/L # | 1        |
| 22) 2-Butanone                | 4.710          | 43   | 4056       | 1.731    | ug/L # | 65       |
| 37) 1,2-Dichloropropane       | 6.690          | 63   | 17334      | 5.738    | ug/L # | 89       |
| 39) cis-1,3-Dichloropropene   | 7.568          | 75   | 3604       | 0.881    | ug/L # | 58       |
| 44) trans-1,3-Dichloropropene | 8.182          | 75   | 2494       | 0.650    | ug/L   | 86       |
| 48) 2-Hexanone                | 8.684          | 43   | 54227      | 14.115   | ug/L # | 87       |
| -----                         |                |      |            |          |        |          |

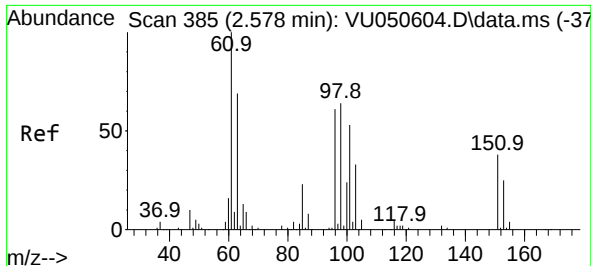
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : VOC Analysis  
QLast Update : Mon Sep 05 01:05:15 2022  
Response via : Initial Calibration





#10

1,1,2-Trichloro-1,2,2-trifluoroethane

Concen: 0.549 ug/L

RT: 2.562 min Scan# 380

Delta R.T. -0.016 min

Lab File: VU050614.D

Acq: 03 Sep 2022 16:00

Instrument :

MSVOA\_U

ClientSampleId :

DBVF1

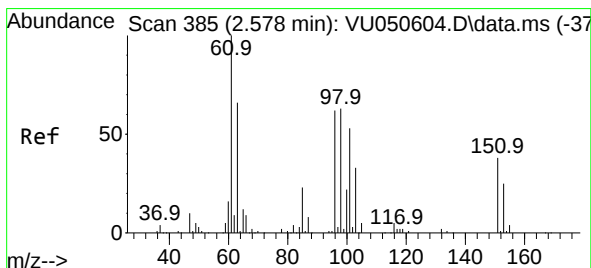
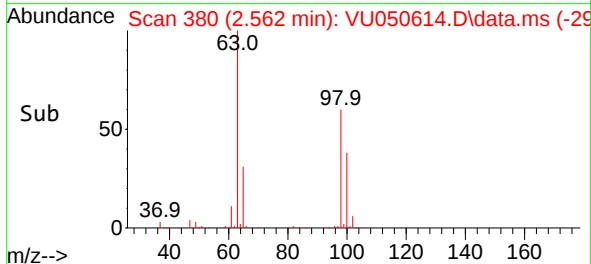
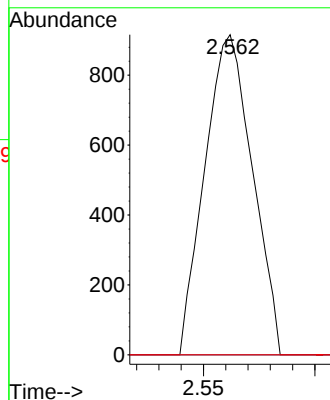
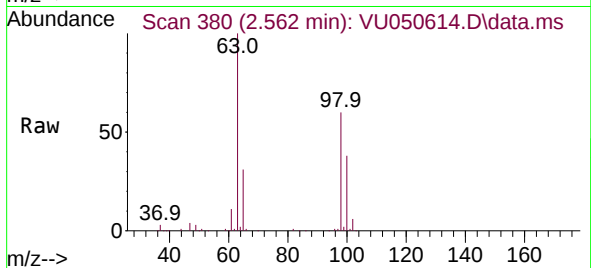
Tgt Ion:101 Resp: 1362

Ion Ratio Lower Upper

101 100

85 0.0 34.4 51.6#

151 0.0 57.7 86.5#



#12

1,1-Dichloroethene

Concen: 0.501 ug/L

RT: 2.562 min Scan# 380

Delta R.T. -0.016 min

Lab File: VU050614.D

Acq: 03 Sep 2022 16:00

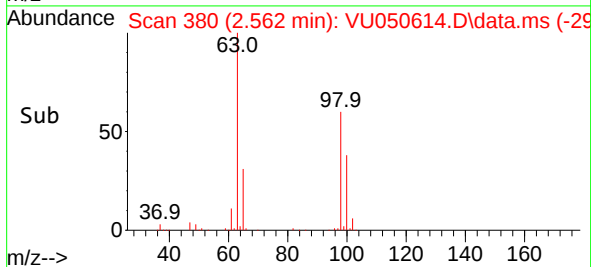
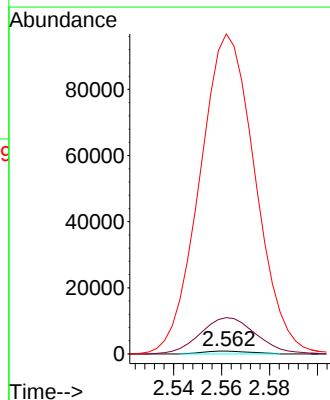
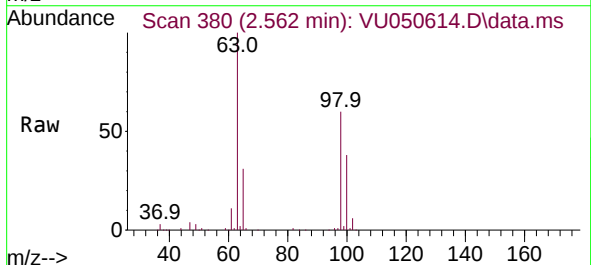
Tgt Ion: 96 Resp: 1206

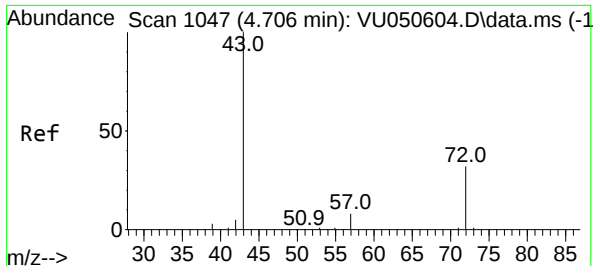
Ion Ratio Lower Upper

96 100

61 1275.9 118.0 219.1#

63 11225.1 79.5 147.7#





#22

2-Butanone

Concen: 1.731 ug/L

RT: 4.710 min Scan# 1048

Delta R.T. 0.003 min

Lab File: VU050614.D

Acq: 03 Sep 2022 16:00

Instrument :

MSVOA\_U

ClientSampleId :

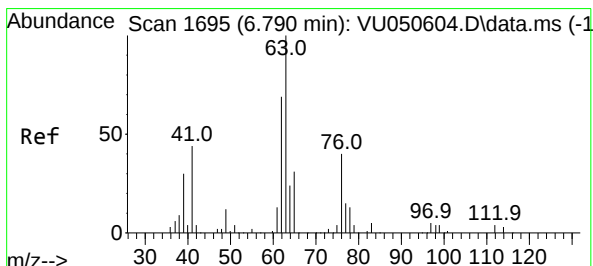
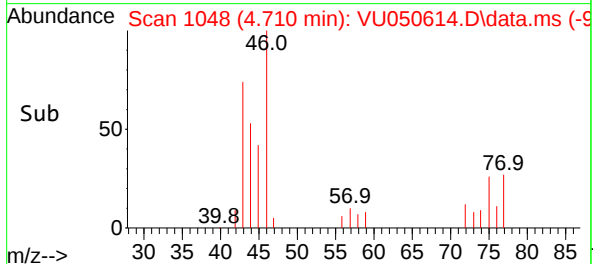
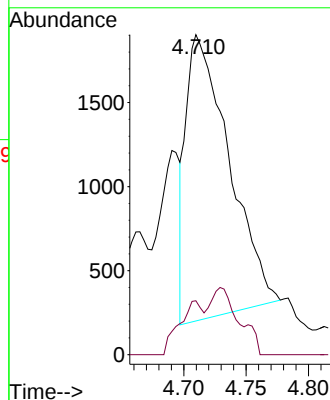
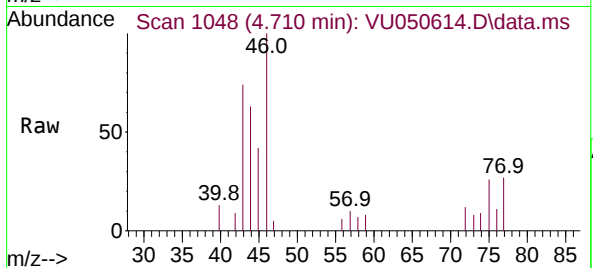
DBVF1

Tgt Ion: 43 Resp: 4056

Ion Ratio Lower Upper

43 100

72 10.5 14.6 44.0#



#37

1,2-Dichloropropane

Concen: 5.738 ug/L

RT: 6.690 min Scan# 1664

Delta R.T. -0.100 min

Lab File: VU050614.D

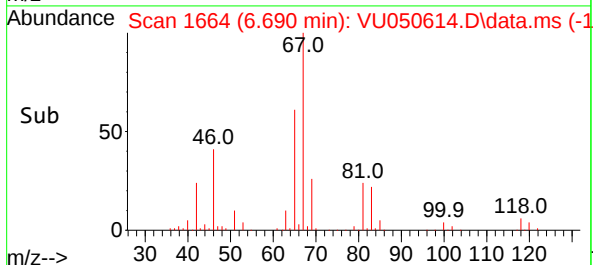
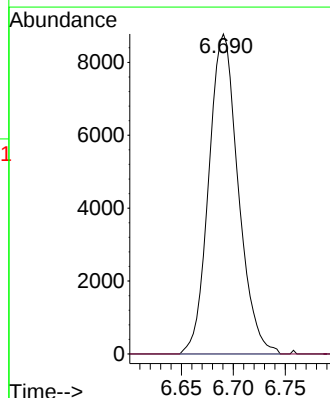
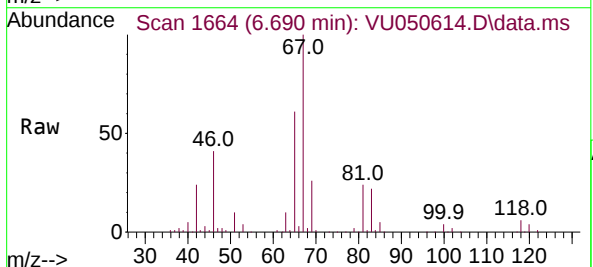
Acq: 03 Sep 2022 16:00

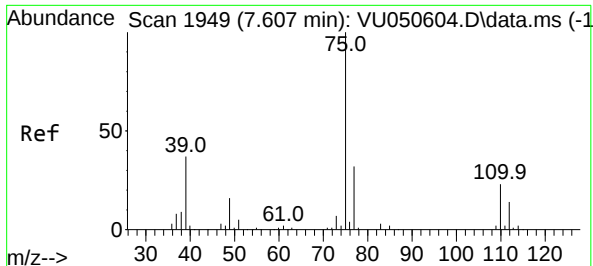
Tgt Ion: 63 Resp: 17334

Ion Ratio Lower Upper

63 100

112 0.0 3.0 4.4#





#39

cis-1,3-Dichloropropene

Concen: 0.881 ug/L

RT: 7.568 min Scan# 1949

Delta R.T. -0.038 min

Lab File: VU050614.D

Acq: 03 Sep 2022 16:00

Instrument :

MSVOA\_U

ClientSampleId :

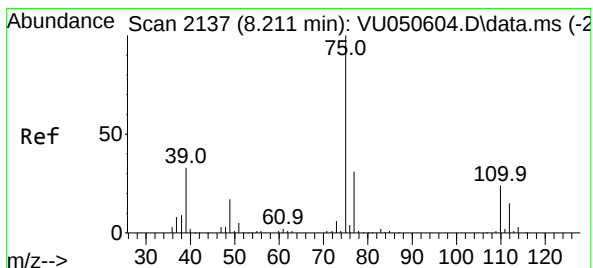
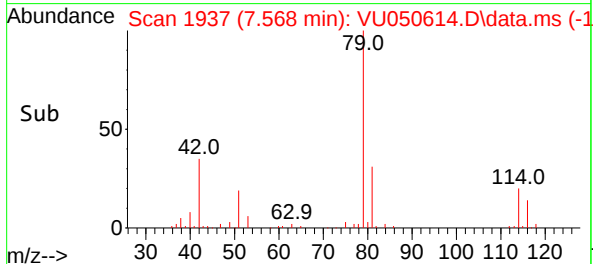
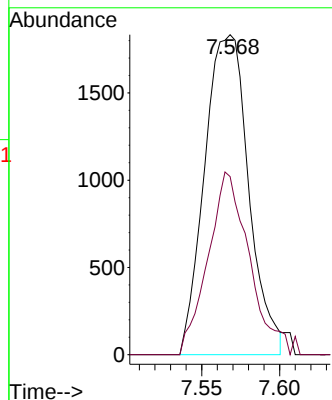
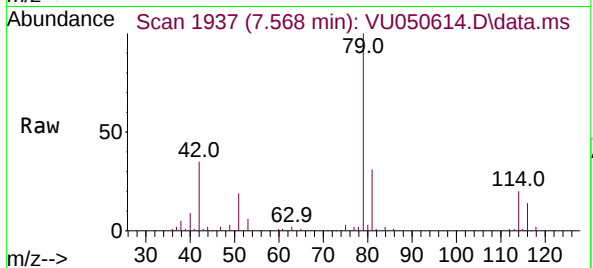
DBVF1

Tgt Ion: 75 Resp: 3604

Ion Ratio Lower Upper

75 100

77 55.7 22.5 41.7#



#44

trans-1,3-Dichloropropene

Concen: 0.650 ug/L

RT: 8.182 min Scan# 2128

Delta R.T. -0.029 min

Lab File: VU050614.D

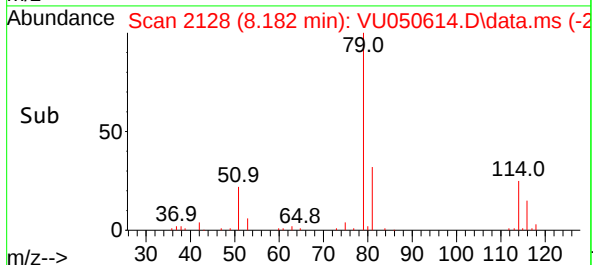
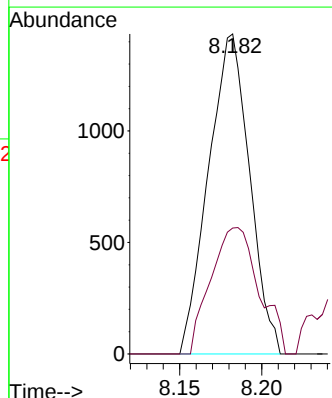
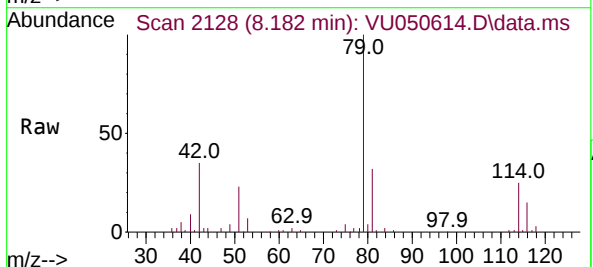
Acq: 03 Sep 2022 16:00

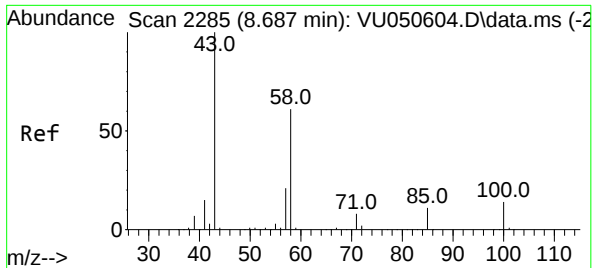
Tgt Ion: 75 Resp: 2494

Ion Ratio Lower Upper

75 100

77 39.4 22.1 41.1





#48  
 2-Hexanone  
 Concen: 14.115 ug/L  
 RT: 8.684 min Scan# 21  
 Delta R.T. -0.003 min  
 Lab File: VU050614.D  
 Acq: 03 Sep 2022 16:00

Instrument :  
 MSVOA\_U  
 ClientSampleId :  
 DBVF1

|             |                 |
|-------------|-----------------|
| Tgt Ion: 43 | Resp: 54227     |
| Ion Ratio   | Lower Upper     |
| 43          | 100             |
| 58          | 52.9 51.8 77.6  |
| 57          | 16.6 17.0 25.4# |
| 100         | 9.5 9.8 14.8#   |

