

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_U\Data\VU090322\  
 Data File : VU050613.D  
 Acq On : 03 Sep 2022 15:36  
 Operator : SY/MD  
 Sample : PB147438TB 10X  
 Misc : 5.0mL/MSVOA\_U/WATER  
 ALS Vial : 12 Sample Multiplier: 1

Instrument :  
 MSVOA\_U  
 ClientSampleId :  
 VLEB438

Quant Time: Sep 05 01:07:51 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

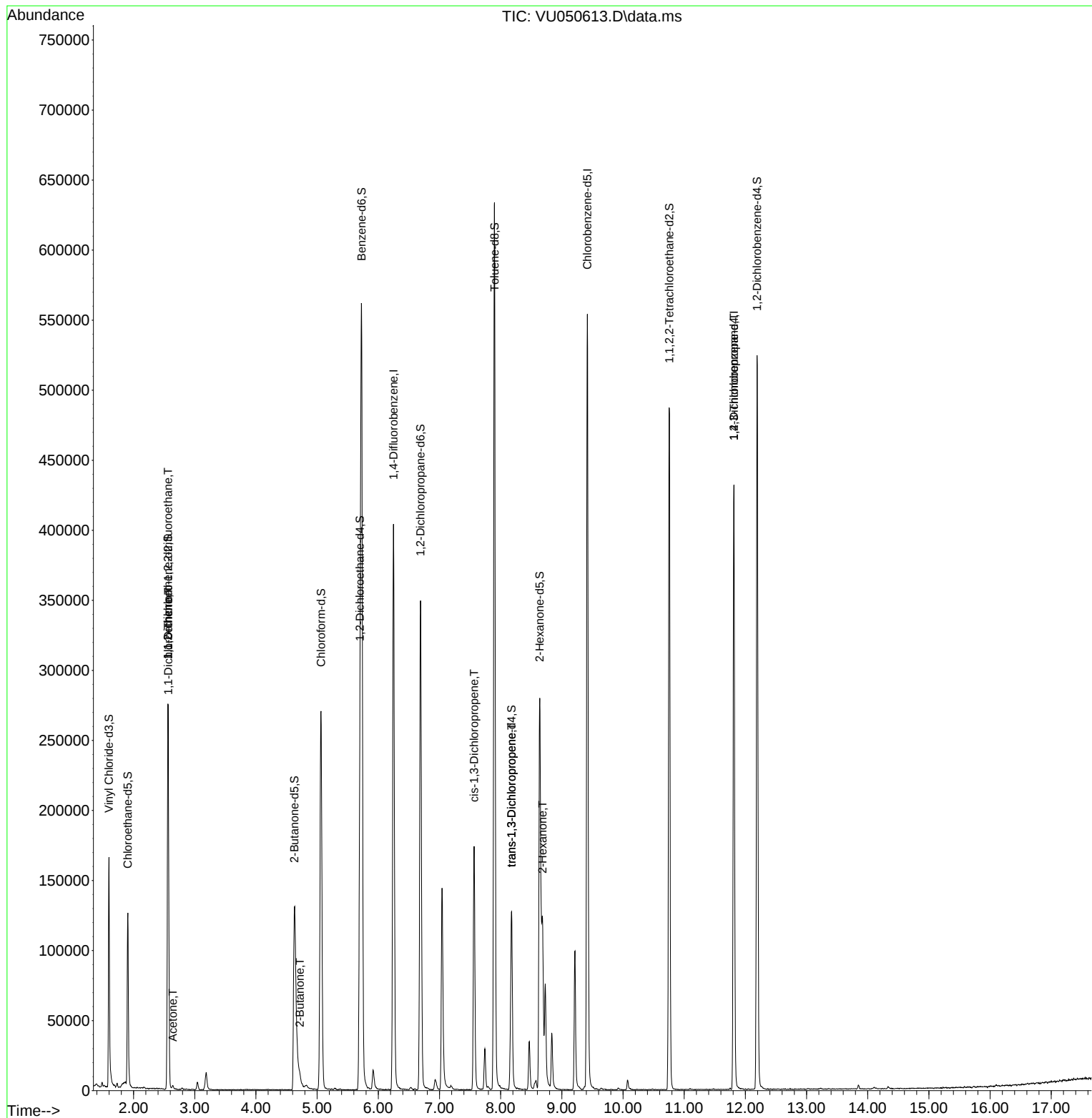
| Compound                      | R.T.           | QIon | Response   | Conc     | Units  | Dev(Min) |
|-------------------------------|----------------|------|------------|----------|--------|----------|
| -----                         |                |      |            |          |        |          |
| Internal Standards            |                |      |            |          |        |          |
| 1) 1,4-Difluorobenzene        | 6.250          | 114  | 332682     | 50.000   | ug/L   | 0.00     |
| 28) Chlorobenzene-d5          | 9.417          | 117  | 317776     | 50.000   | ug/L   | 0.00     |
| 58) 1,4-Dichlorobenzene-d4    | 11.812         | 152  | 115676     | 50.000   | ug/L   | 0.00     |
|                               |                |      |            |          |        |          |
| System Monitoring Compounds   |                |      |            |          |        |          |
| 4) Vinyl Chloride-d3          | 1.597          | 65   | 132913     | 46.710   | ug/L   | 0.00     |
| Spiked Amount 50.000          | Range 60 - 135 |      | Recovery = | 93.420%  |        |          |
| 7) Chloroethane-d5            | 1.906          | 69   | 90227      | 46.890   | ug/L   | 0.00     |
| Spiked Amount 50.000          | Range 70 - 130 |      | Recovery = | 93.780%  |        |          |
| 11) 1,1-Dichloroethene-d2     | 2.562          | 63   | 165667     | 32.947   | ug/L   | 0.00     |
| Spiked Amount 50.000          | Range 60 - 125 |      | Recovery = | 65.900%  |        |          |
| 21) 2-Butanone-d5             | 4.629          | 46   | 205485     | 98.704   | ug/L   | 0.00     |
| Spiked Amount 100.000         | Range 40 - 130 |      | Recovery = | 98.700%  |        |          |
| 24) Chloroform-d              | 5.063          | 84   | 264078     | 48.967   | ug/L   | 0.00     |
| Spiked Amount 50.000          | Range 70 - 125 |      | Recovery = | 97.940%  |        |          |
| 26) 1,2-Dichloroethane-d4     | 5.700          | 65   | 164133     | 49.805   | ug/L   | 0.00     |
| Spiked Amount 50.000          | Range 70 - 125 |      | Recovery = | 99.620%  |        |          |
| 32) Benzene-d6                | 5.726          | 84   | 530447     | 50.511   | ug/L   | 0.00     |
| Spiked Amount 50.000          | Range 70 - 125 |      | Recovery = | 101.020% |        |          |
| 36) 1,2-Dichloropropane-d6    | 6.690          | 67   | 180616     | 52.385   | ug/L   | 0.00     |
| Spiked Amount 50.000          | Range 70 - 120 |      | Recovery = | 104.780% |        |          |
| 41) Toluene-d8                | 7.899          | 98   | 436063     | 48.557   | ug/L   | 0.00     |
| Spiked Amount 50.000          | Range 80 - 120 |      | Recovery = | 97.120%  |        |          |
| 43) trans-1,3-Dichloroprop... | 8.179          | 79   | 68415      | 47.958   | ug/L   | 0.00     |
| Spiked Amount 50.000          | Range 60 - 125 |      | Recovery = | 95.920%  |        |          |
| 47) 2-Hexanone-d5             | 8.636          | 63   | 82615      | 95.260   | ug/L   | 0.00     |
| Spiked Amount 100.000         | Range 45 - 130 |      | Recovery = | 95.260%  |        |          |
| 56) 1,1,2,2-Tetrachloroeth... | 10.754         | 84   | 254784     | 48.832   | ug/L   | 0.00     |
| Spiked Amount 50.000          | Range 65 - 120 |      | Recovery = | 97.660%  |        |          |
| 66) 1,2-Dichlorobenzene-d4    | 12.192         | 152  | 138019     | 50.969   | ug/L   | 0.00     |
| Spiked Amount 50.000          | Range 80 - 120 |      | Recovery = | 101.940% |        |          |
|                               |                |      |            |          |        |          |
| Target Compounds              |                |      |            |          |        | Qvalue   |
| 10) 1,1,2-Trichloro-1,2,2-... | 2.562          | 101  | 1551       | 0.597    | ug/L # | 24       |
| 12) 1,1-Dichloroethene        | 2.568          | 96   | 1304       | 0.516    | ug/L # | 1        |
| 13) Acetone                   | 2.642          | 43   | 3604       | 2.295    | ug/L   | 85       |
| 22) 2-Butanone                | 4.716          | 43   | 6793       | 2.766    | ug/L   | 81       |
| 39) cis-1,3-Dichloropropene   | 7.565          | 75   | 4643       | 1.123    | ug/L # | 68       |
| 44) trans-1,3-Dichloropropene | 8.179          | 75   | 3098       | 0.799    | ug/L   | 85       |
| 48) 2-Hexanone                | 8.684          | 43   | 47655      | 12.267   | ug/L # | 71       |
| 60) 1,2,3-Trichloropropane    | 11.812         | 75   | 15088      | 4.445    | ug/L # | 68       |
| -----                         |                |      |            |          |        |          |

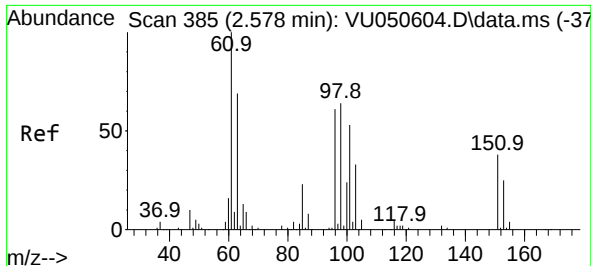
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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

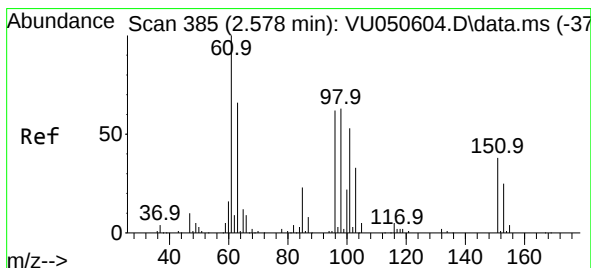
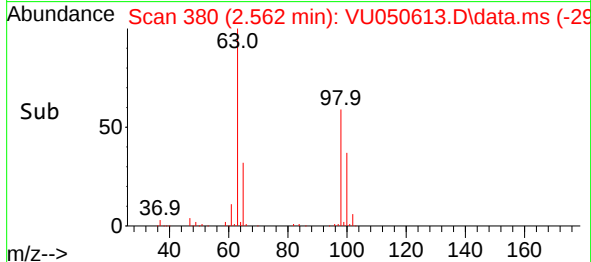
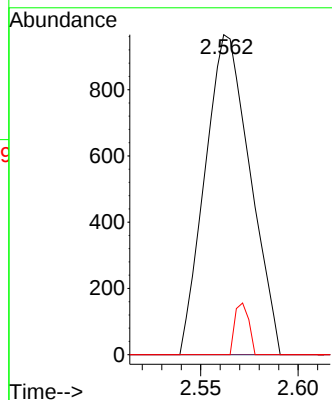
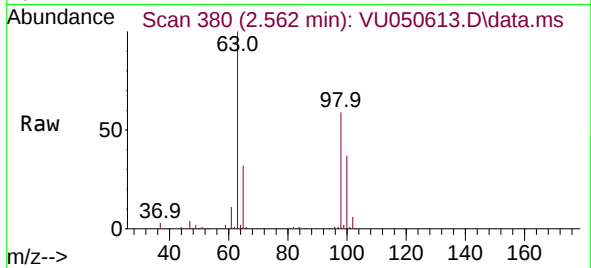




#10  
 1,1,2-Trichloro-1,2,2-trifluoroethane  
 Concen: 0.597 ug/L  
 RT: 2.562 min Scan# 380  
 Delta R.T. -0.016 min  
 Lab File: VU050613.D  
 Acq: 03 Sep 2022 15:36

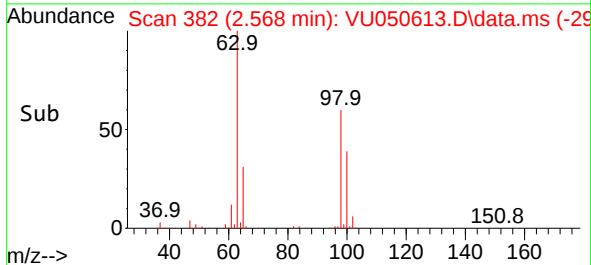
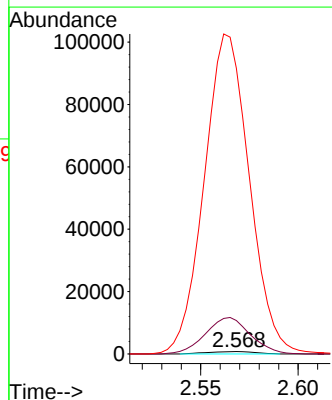
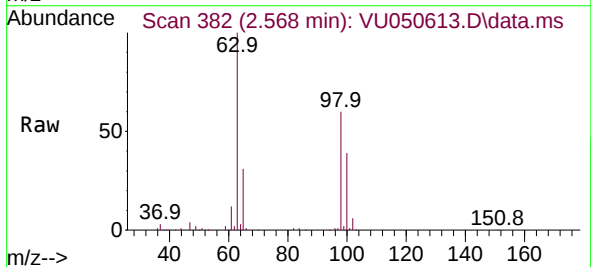
Instrument :  
 MSVOA\_U  
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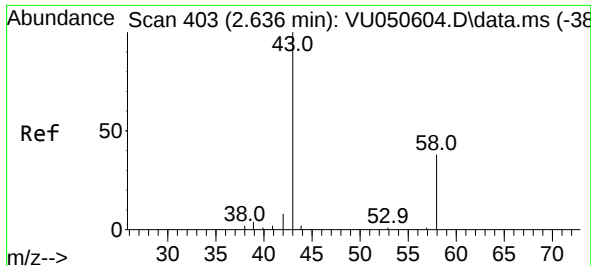
Tgt Ion:101 Resp: 1551  
 Ion Ratio Lower Upper  
 101 100  
 85 0.0 34.4 51.6#  
 151 5.0 57.7 86.5#



#12  
 1,1-Dichloroethene  
 Concen: 0.516 ug/L  
 RT: 2.568 min Scan# 382  
 Delta R.T. -0.010 min  
 Lab File: VU050613.D  
 Acq: 03 Sep 2022 15:36

Tgt Ion: 96 Resp: 1304  
 Ion Ratio Lower Upper  
 96 100  
 61 1413.9 118.0 219.1#  
 63 12091.8 79.5 147.7#





#13

Acetone

Concen: 2.295 ug/L

RT: 2.642 min Scan# 403

Delta R.T. 0.006 min

Lab File: VU050613.D

Acq: 03 Sep 2022 15:36

Instrument :

MSVOA\_U

ClientSampleId :

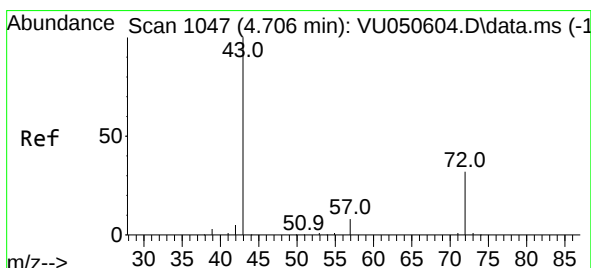
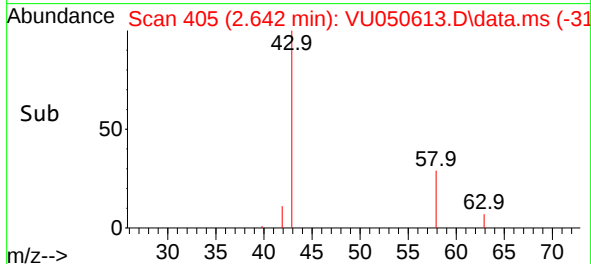
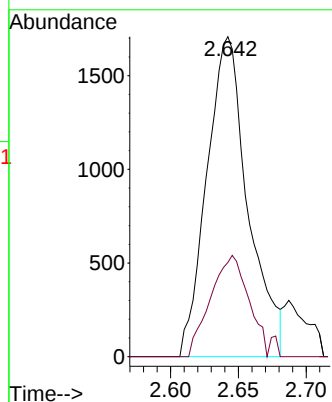
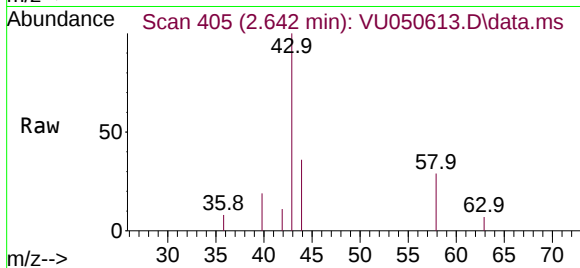
VLEB438

Tgt Ion: 43 Resp: 3604

Ion Ratio Lower Upper

43 100

58 29.3 0.0 76.2



#22

2-Butanone

Concen: 2.766 ug/L

RT: 4.716 min Scan# 1050

Delta R.T. 0.010 min

Lab File: VU050613.D

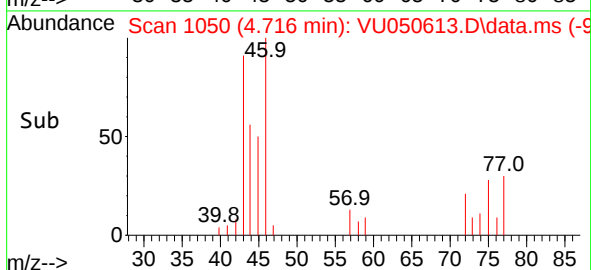
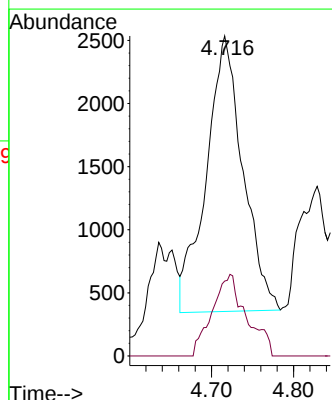
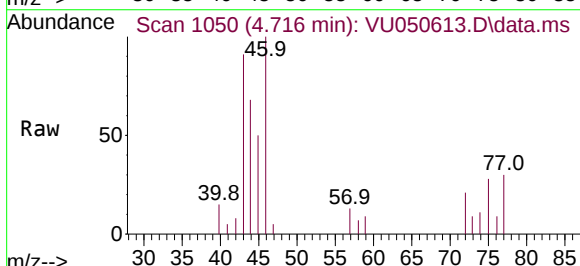
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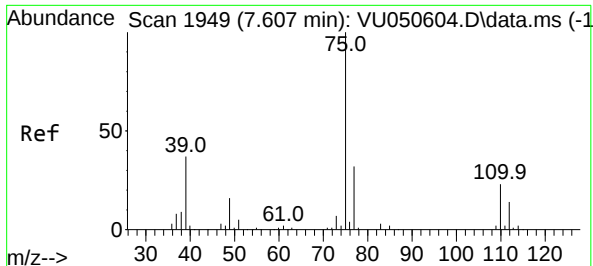
Tgt Ion: 43 Resp: 6793

Ion Ratio Lower Upper

43 100

72 19.3 14.6 44.0





#39

cis-1,3-Dichloropropene

Concen: 1.123 ug/L

RT: 7.565 min Scan# 1949

Delta R.T. -0.042 min

Lab File: VU050613.D

Acq: 03 Sep 2022 15:36

Instrument :

MSVOA\_U

ClientSampleId :

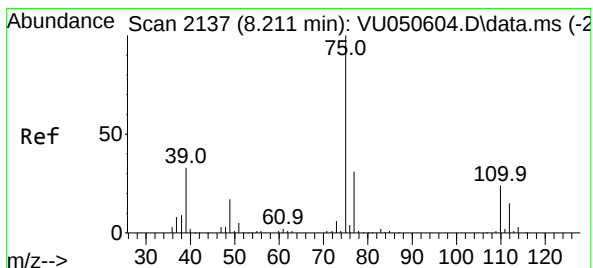
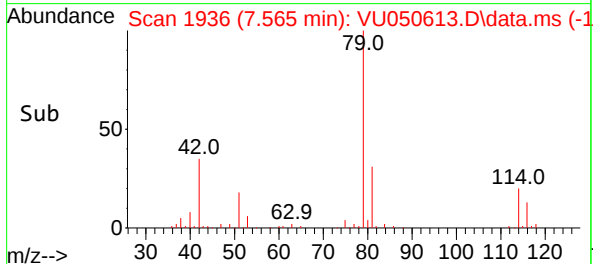
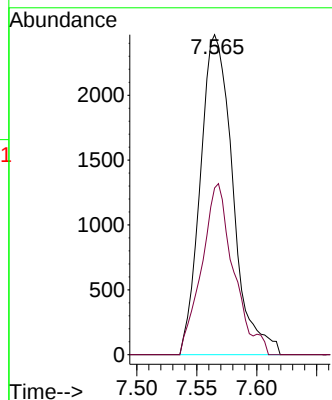
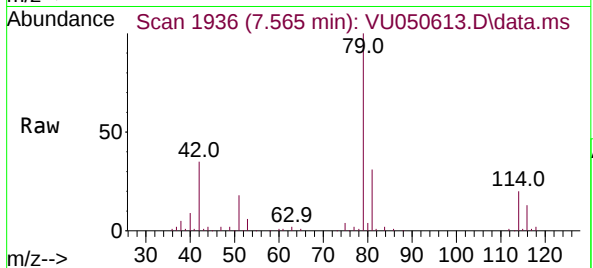
VLEB438

Tgt Ion: 75 Resp: 4643

Ion Ratio Lower Upper

75 100

77 49.8 22.5 41.7#



#44

trans-1,3-Dichloropropene

Concen: 0.799 ug/L

RT: 8.179 min Scan# 2127

Delta R.T. -0.032 min

Lab File: VU050613.D

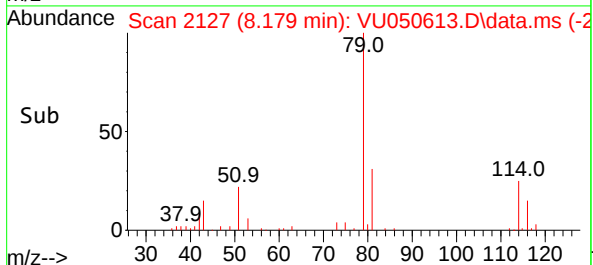
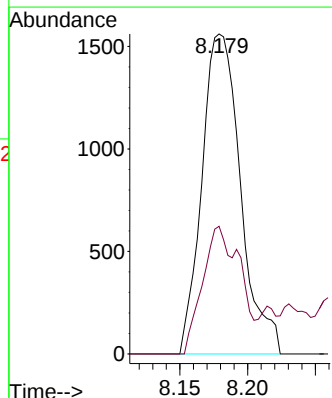
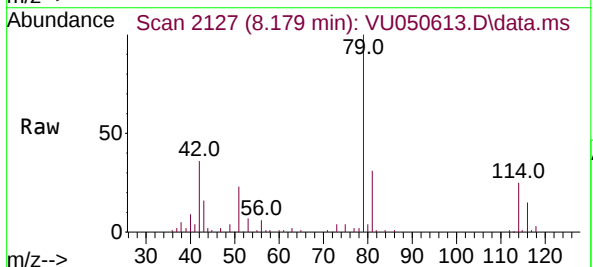
Acq: 03 Sep 2022 15:36

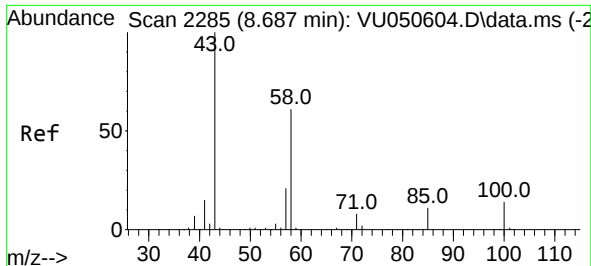
Tgt Ion: 75 Resp: 3098

Ion Ratio Lower Upper

75 100

77 39.9 22.1 41.1

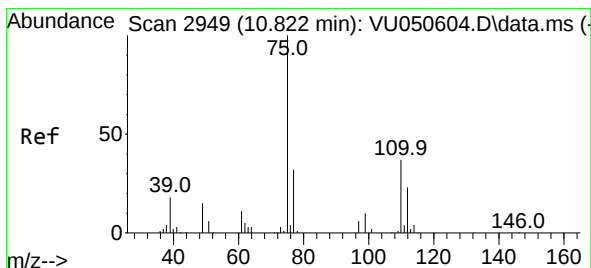
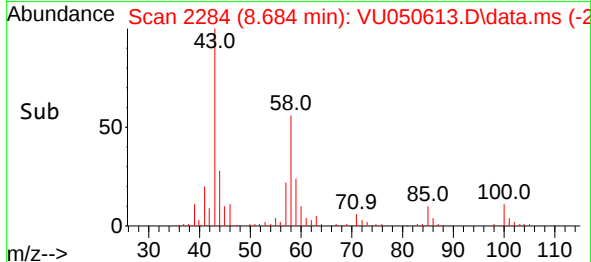
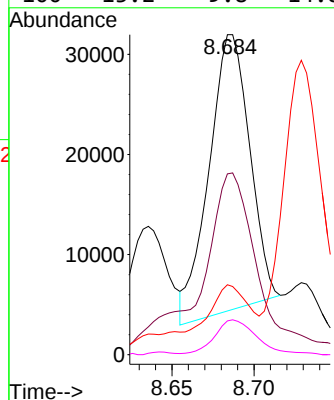
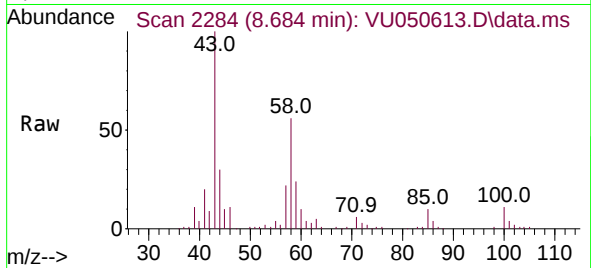




#48  
2-Hexanone  
Concen: 12.267 ug/L  
RT: 8.684 min Scan# 21  
Delta R.T. -0.003 min  
Lab File: VU050613.D  
Acq: 03 Sep 2022 15:36

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|             |             |
|-------------|-------------|
| Tgt Ion: 43 | Resp: 47655 |
| Ion Ratio   | Lower Upper |
| 43 100      |             |
| 58 96.9     | 51.8 77.6#  |
| 57 25.3     | 17.0 25.4   |
| 100 13.2    | 9.8 14.8    |



#60  
1,2,3-Trichloropropane  
Concen: 4.445 ug/L  
RT: 11.812 min Scan# 3257  
Delta R.T. 0.990 min  
Lab File: VU050613.D  
Acq: 03 Sep 2022 15:36

|             |             |
|-------------|-------------|
| Tgt Ion: 75 | Resp: 15088 |
| Ion Ratio   | Lower Upper |
| 75 100      |             |
| 77 31.4     | 25.8 38.8   |
| 110 1.9     | 29.3 43.9#  |

