

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_U\Data\VU121421\  
 Data File : VU046378.D  
 Acq On : 14 Dec 2021 23:39  
 Operator : SY/MD  
 Sample : M5037-05  
 Misc : 5.0mL/MSVOA\_U/WATER  
 ALS Vial : 34 Sample Multiplier: 1

Instrument :  
 MSVOA\_U  
 ClientSampleId :  
 C00W1

Quant Time: Dec 15 03:46:46 2021  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_U\Method\SFAMULM112921WMA.M  
 Quant Title : VOC Analysis  
 QLast Update : Wed Dec 15 03:40:56 2021  
 Response via : Initial Calibration

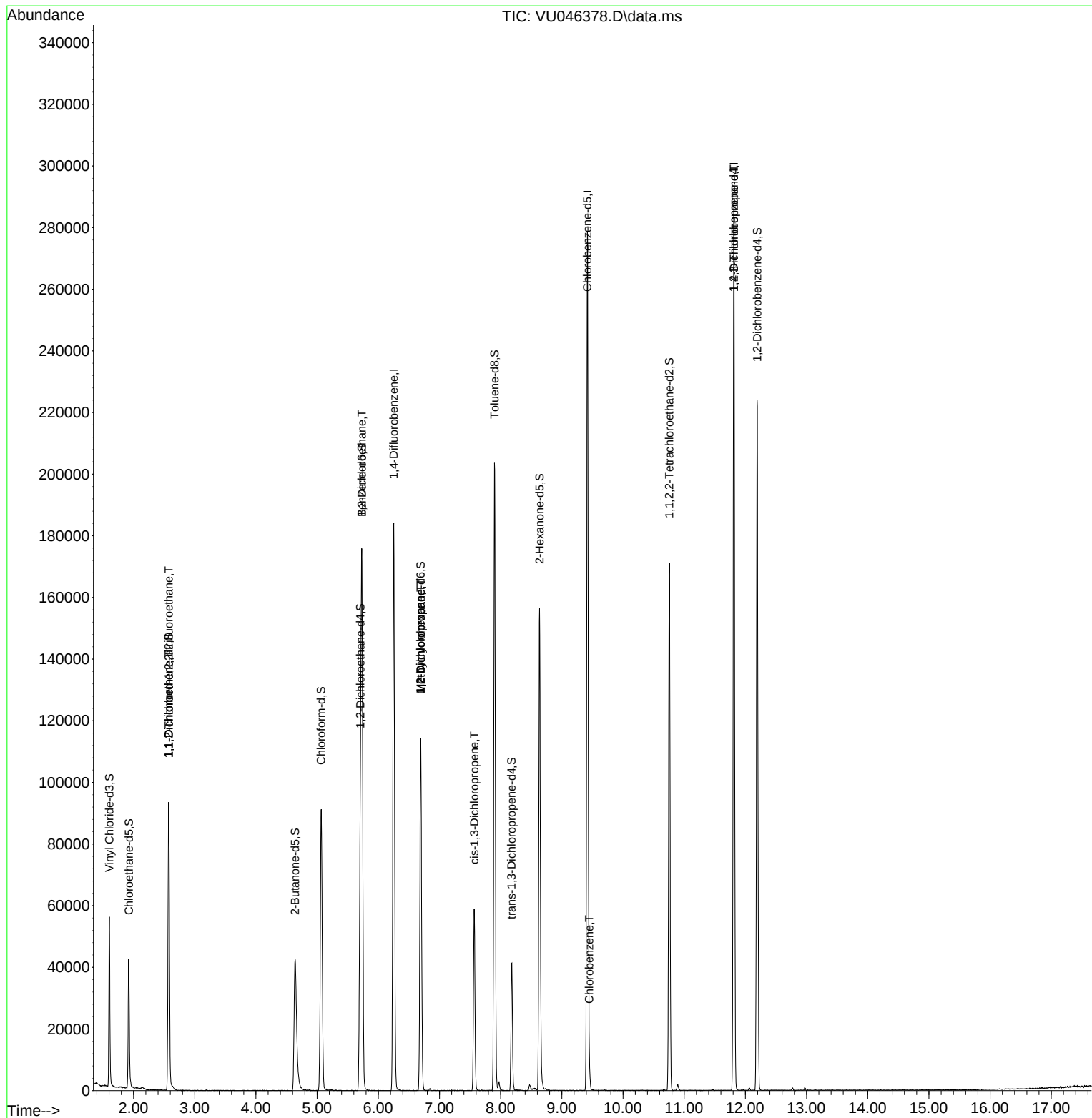
| Compound                      | R.T.           | QIon | Response   | Conc     | Units  | Dev(Min) |
|-------------------------------|----------------|------|------------|----------|--------|----------|
| -----                         |                |      |            |          |        |          |
| Internal Standards            |                |      |            |          |        |          |
| 1) 1,4-Difluorobenzene        | 6.253          | 114  | 147961     | 50.000   | ug/L   | 0.00     |
| 28) Chlorobenzene-d5          | 9.417          | 117  | 153529     | 50.000   | ug/L   | 0.00     |
| 58) 1,4-Dichlorobenzene-d4    | 11.812         | 152  | 74669      | 50.000   | ug/L   | 0.00     |
|                               |                |      |            |          |        |          |
| System Monitoring Compounds   |                |      |            |          |        |          |
| 4) Vinyl Chloride-d3          | 1.604          | 65   | 41572      | 34.108   | ug/L   | 0.00     |
| Spiked Amount 50.000          | Range 60 - 135 |      | Recovery = | 68.220%  |        |          |
| 7) Chloroethane-d5            | 1.922          | 69   | 33422      | 35.715   | ug/L   | 0.00     |
| Spiked Amount 50.000          | Range 70 - 130 |      | Recovery = | 71.420%  |        |          |
| 11) 1,1-Dichloroethene-d2     | 2.575          | 63   | 56849      | 25.982   | ug/L   | 0.00     |
| Spiked Amount 50.000          | Range 60 - 125 |      | Recovery = | 51.960%# |        |          |
| 21) 2-Butanone-d5             | 4.639          | 46   | 78696      | 81.221   | ug/L   | 0.00     |
| Spiked Amount 100.000         | Range 40 - 130 |      | Recovery = | 81.220%  |        |          |
| 24) Chloroform-d              | 5.067          | 84   | 86695      | 42.594   | ug/L   | 0.00     |
| Spiked Amount 50.000          | Range 70 - 125 |      | Recovery = | 85.180%  |        |          |
| 26) 1,2-Dichloroethane-d4     | 5.707          | 65   | 58215      | 42.618   | ug/L   | 0.00     |
| Spiked Amount 50.000          | Range 70 - 125 |      | Recovery = | 85.240%  |        |          |
| 32) Benzene-d6                | 5.732          | 84   | 163014     | 37.045   | ug/L   | 0.00     |
| Spiked Amount 50.000          | Range 70 - 125 |      | Recovery = | 74.100%  |        |          |
| 36) 1,2-Dichloropropane-d6    | 6.694          | 67   | 53044      | 38.895   | ug/L   | 0.00     |
| Spiked Amount 50.000          | Range 70 - 120 |      | Recovery = | 77.800%  |        |          |
| 41) Toluene-d8                | 7.899          | 98   | 135375     | 33.788   | ug/L   | 0.00     |
| Spiked Amount 50.000          | Range 80 - 120 |      | Recovery = | 67.580%# |        |          |
| 43) trans-1,3-Dichloroprop... | 8.179          | 79   | 23571      | 35.804   | ug/L   | 0.00     |
| Spiked Amount 50.000          | Range 60 - 125 |      | Recovery = | 71.600%  |        |          |
| 47) 2-Hexanone-d5             | 8.636          | 63   | 56103      | 86.765   | ug/L   | 0.00     |
| Spiked Amount 100.000         | Range 45 - 130 |      | Recovery = | 86.760%  |        |          |
| 56) 1,1,2,2-Tetrachloroeth... | 10.758         | 84   | 83939      | 40.586   | ug/L   | 0.00     |
| Spiked Amount 50.000          | Range 65 - 120 |      | Recovery = | 81.180%  |        |          |
| 66) 1,2-Dichlorobenzene-d4    | 12.195         | 152  | 57290      | 39.840   | ug/L   | 0.00     |
| Spiked Amount 50.000          | Range 80 - 120 |      | Recovery = | 79.680%# |        |          |
|                               |                |      |            |          |        |          |
| Target Compounds              |                |      |            |          |        | Qvalue   |
| 10) 1,1,2-Trichloro-1,2,2-... | 2.575          | 101  | 411        | 0.382    | ug/L # | 21       |
| 12) 1,1-Dichloroethene        | 2.575          | 96   | 363        | 0.355    | ug/L # | 1        |
| 27) 1,2-Dichloroethane        | 5.732          | 62   | 842        | 0.519    | ug/L # | 73       |
| 35) Methylcyclohexane         | 6.694          | 83   | 13221      | 6.965    | ug/L # | 20       |
| 37) 1,2-Dichloropropane       | 6.694          | 63   | 6028       | 4.952    | ug/L # | 86       |
| 39) cis-1,3-Dichloropropene   | 7.568          | 75   | 1439       | 0.777    | ug/L # | 61       |
| 51) Chlorobenzene             | 9.449          | 112  | 3374       | 1.046    | ug/L   | 93       |
| 60) 1,2,3-Trichloropropane    | 11.812         | 75   | 9310       | 5.688    | ug/L # | 63       |
| -----                         |                |      |            |          |        |          |

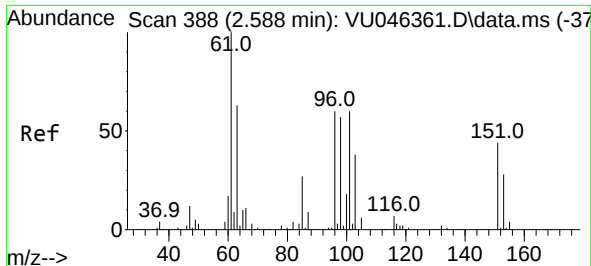
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : VOC Analysis  
QLast Update : Wed Dec 15 03:40:56 2021  
Response via : Initial Calibration





#10

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

Concen: 0.382 ug/L

RT: 2.575 min Scan# 384

Delta R.T. -0.013 min

Lab File: VU046378.D

Acq: 14 Dec 2021 23:39

Instrument :

MSVOA\_U

ClientSampleId :

C00W1

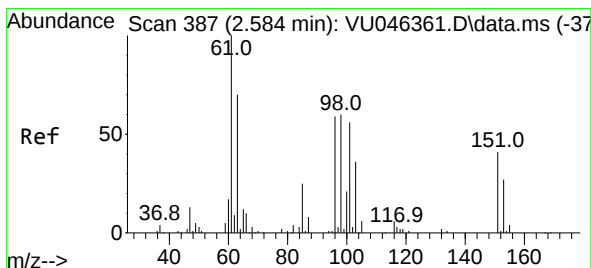
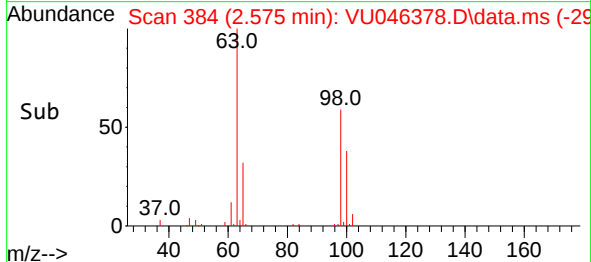
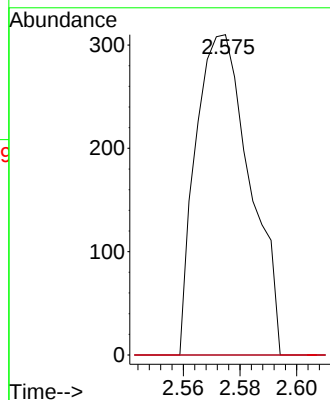
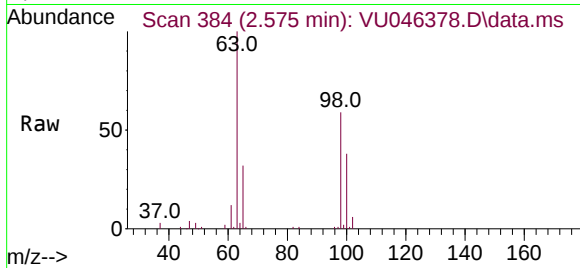
Tgt Ion:101 Resp: 411

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: 0.355 ug/L

RT: 2.575 min Scan# 384

Delta R.T. -0.010 min

Lab File: VU046378.D

Acq: 14 Dec 2021 23:39

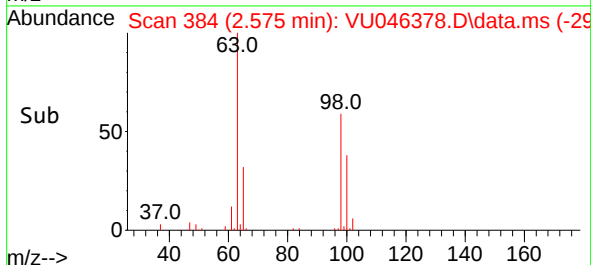
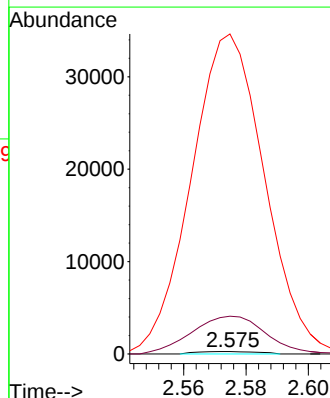
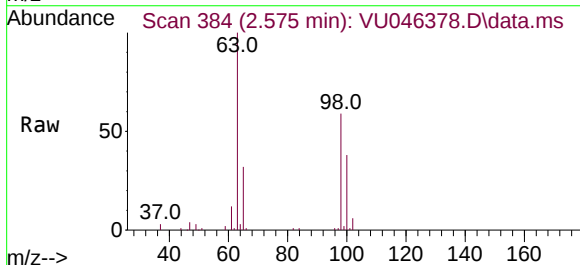
Tgt Ion: 96 Resp: 363

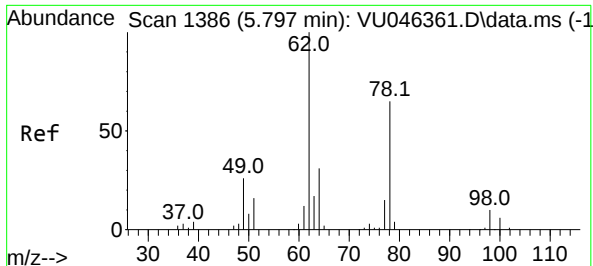
Ion Ratio Lower Upper

96 100

61 1580.7 118.6 220.2#

63 13371.4 93.0 172.8#





#27

1,2-Dichloroethane

Concen: 0.519 ug/L

RT: 5.732 min Scan# 1

Delta R.T. -0.064 min

Lab File: VU046378.D

Acq: 14 Dec 2021 23:39

Instrument :

MSVOA\_U

ClientSampleId :

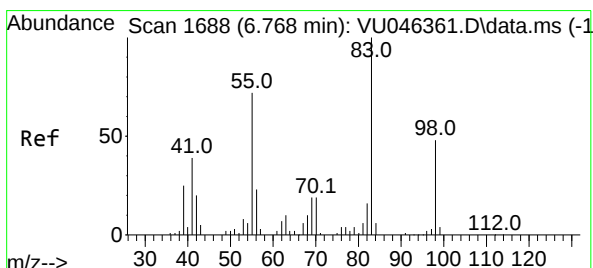
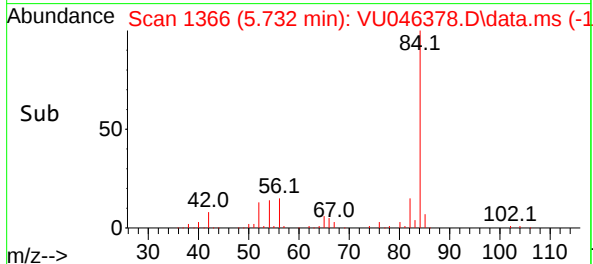
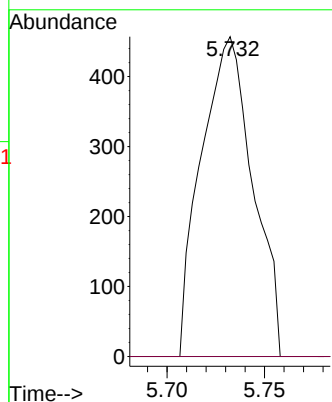
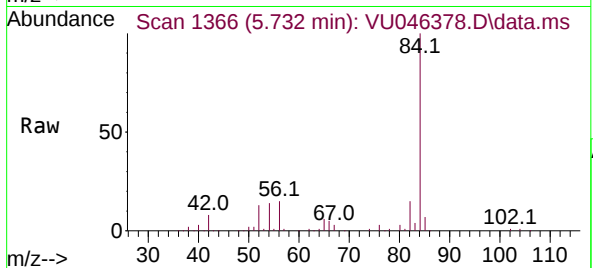
C00W1

Tgt Ion: 62 Resp: 842

Ion Ratio Lower Upper

62 100

98 0.0 7.9 11.9#



#35

Methylcyclohexane

Concen: 6.965 ug/L

RT: 6.694 min Scan# 1665

Delta R.T. -0.074 min

Lab File: VU046378.D

Acq: 14 Dec 2021 23:39

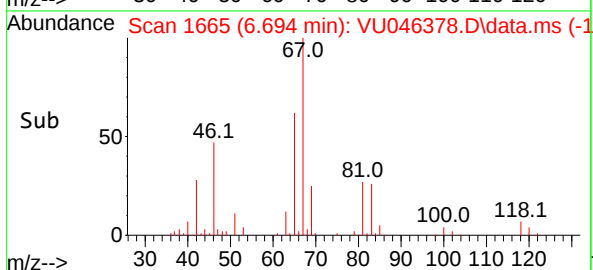
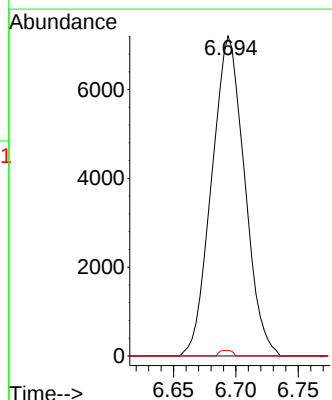
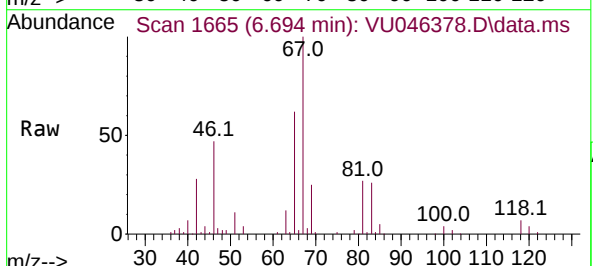
Tgt Ion: 83 Resp: 13221

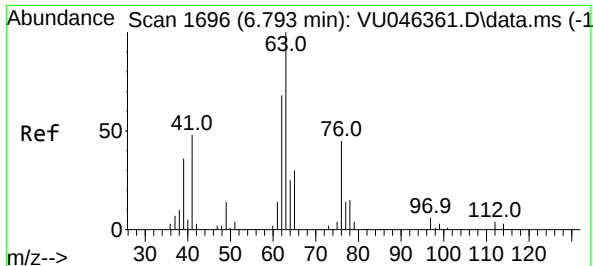
Ion Ratio Lower Upper

83 100

55 0.0 57.8 86.6#

98 0.7 38.4 57.6#





#37

1,2-Dichloropropane

Concen: 4.952 ug/L

RT: 6.694 min Scan# 1

Delta R.T. -0.100 min

Lab File: VU046378.D

Acq: 14 Dec 2021 23:39

Instrument :

MSVOA\_U

ClientSampleId :

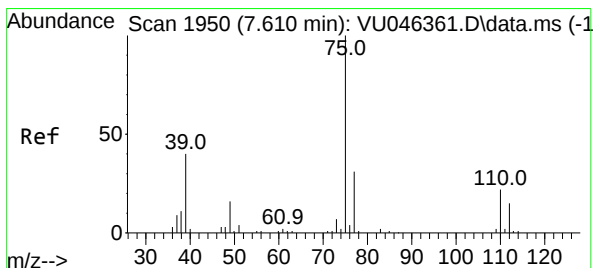
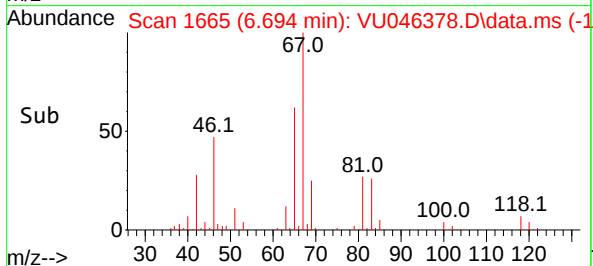
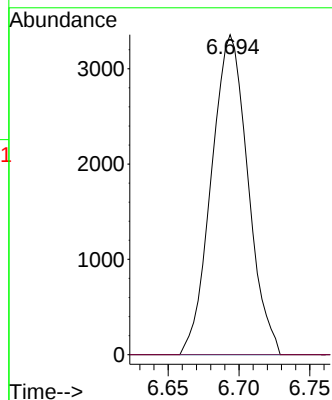
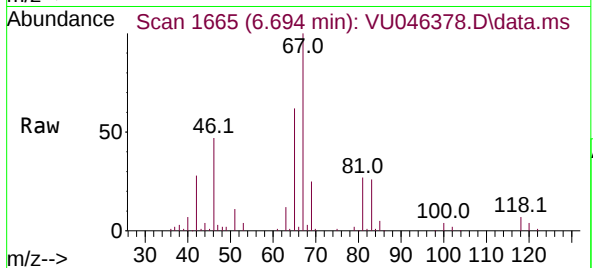
C00W1

Tgt Ion: 63 Resp: 6028

Ion Ratio Lower Upper

63 100

112 0.0 3.8 5.6#



#39

cis-1,3-Dichloropropene

Concen: 0.777 ug/L

RT: 7.568 min Scan# 1937

Delta R.T. -0.042 min

Lab File: VU046378.D

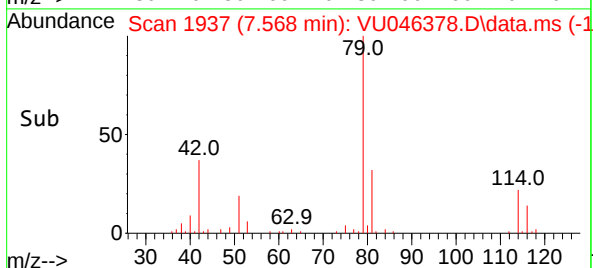
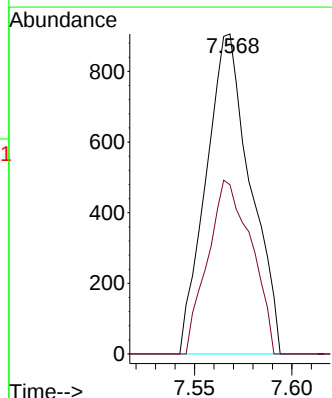
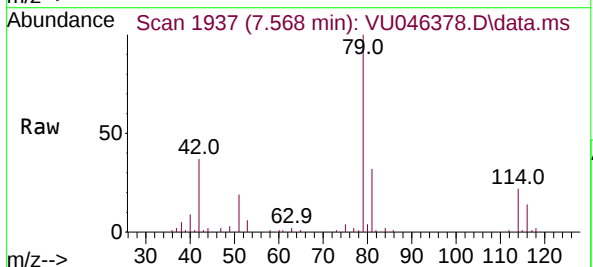
Acq: 14 Dec 2021 23:39

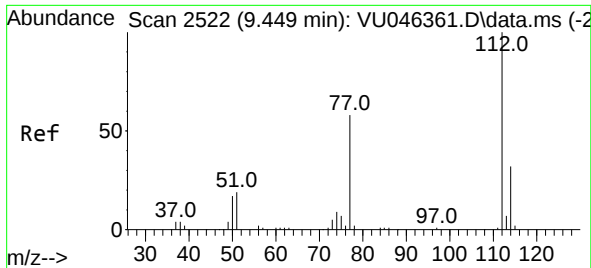
Tgt Ion: 75 Resp: 1439

Ion Ratio Lower Upper

75 100

77 52.9 21.8 40.6#

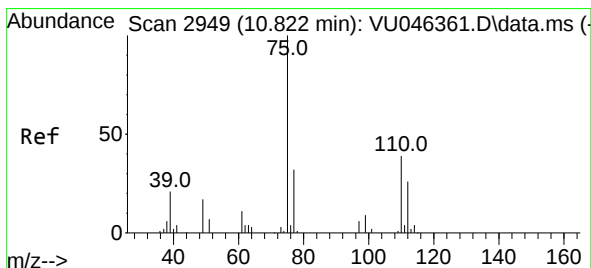
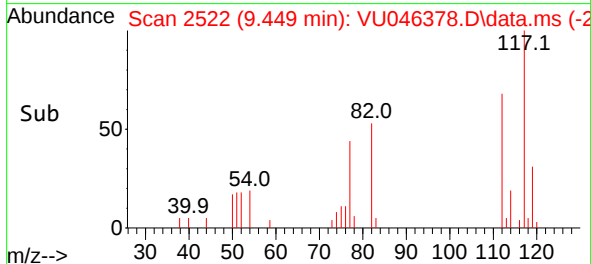
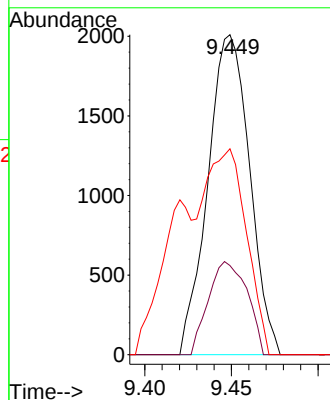
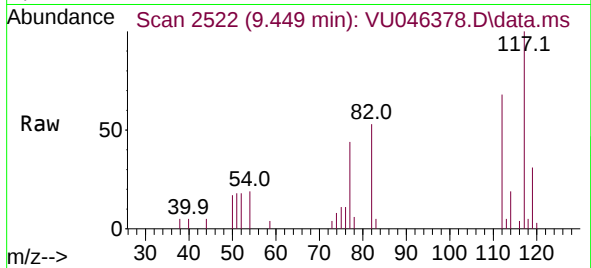




#51  
Chlorobenzene  
Concen: 1.046 ug/L  
RT: 9.449 min Scan# 21  
Delta R.T. 0.000 min  
Lab File: VU046378.D  
Acq: 14 Dec 2021 23:39

Instrument :  
MSVOA\_U  
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Tgt Ion:112 Resp: 3374  
Ion Ratio Lower Upper  
112 100  
114 27.9 22.2 41.2  
77 64.4 47.4 71.0



#60  
1,2,3-Trichloropropane  
Concen: 5.688 ug/L  
RT: 11.812 min Scan# 3257  
Delta R.T. 0.990 min  
Lab File: VU046378.D  
Acq: 14 Dec 2021 23:39

Tgt Ion: 75 Resp: 9310  
Ion Ratio Lower Upper  
75 100  
77 29.9 26.4 39.6  
110 2.0 32.4 48.6#

