

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU051320\  
 Data File : VU038152.D  
 Acq On : 13 May 2020 18:35  
 Operator : JC/MD  
 Sample : L2631-05  
 Misc : 25.0mL/MSVOA U/WATER  
 ALS Vial : 1 Sample Multiplier: 1

Instrument :  
 MSVOA\_U  
 ClientSampleId :

Quant Time: May 14 01:16:10 2020  
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_U\METHOD\SOMUTR050720WMA.M  
 Quant Title : TRACE VOA SOM01.0  
 QLast Update : Thu May 14 01:11:51 2020  
 Response via : Initial Calibration

| Internal Standards         | R.T.  | QIon | Response | Conc | Units | Dev(Min) |
|----------------------------|-------|------|----------|------|-------|----------|
| 1) 1,4-Difluorobenzene     | 6.28  | 114  | 341072   | 5.00 | ug/L  | 0.00     |
| 28) Chlorobenzene-d5       | 9.44  | 117  | 331771   | 5.00 | ug/L  | 0.00     |
| 60) 1,4-Dichlorobenzene-d4 | 11.83 | 152  | 156015   | 5.00 | ug/L  | 0.00     |

## System Monitoring Compounds

|                                |        |       |          |          |      |         |
|--------------------------------|--------|-------|----------|----------|------|---------|
| 4) Vinyl Chloride-d3           | 1.61   | 65    | 117600   | 3.77     | ug/L | 0.00    |
| Spiked Amount                  | 5.000  | Range | 40 - 130 | Recovery | =    | 75.40%  |
| 7) Chloroethane-d5             | 1.93   | 69    | 110807   | 4.11     | ug/L | 0.00    |
| Spiked Amount                  | 5.000  | Range | 65 - 130 | Recovery | =    | 82.20%  |
| 11) 1,1-Dichloroethene-d2      | 2.59   | 63    | 156562   | 3.00     | ug/L | 0.00    |
| Spiked Amount                  | 5.000  | Range | 60 - 125 | Recovery | =    | 60.00%  |
| 20) 2-Butanone-d5              | 4.66   | 46    | 448613   | 58.28    | ug/L | -0.02   |
| Spiked Amount                  | 50.000 | Range | 40 - 130 | Recovery | =    | 116.56% |
| 24) Chloroform-d               | 5.10   | 84    | 220097   | 4.65     | ug/L | 0.00    |
| Spiked Amount                  | 5.000  | Range | 70 - 125 | Recovery | =    | 93.00%  |
| 26) 1,2-Dichloroethane-d4      | 5.74   | 65    | 137189   | 5.06     | ug/L | 0.00    |
| Spiked Amount                  | 5.000  | Range | 70 - 130 | Recovery | =    | 101.20% |
| 32) Benzene-d6                 | 5.76   | 84    | 466905   | 4.69     | ug/L | 0.00    |
| Spiked Amount                  | 5.000  | Range | 70 - 125 | Recovery | =    | 93.80%  |
| 36) 1,2-Dichloropropane-d6     | 6.72   | 67    | 155456   | 4.84     | ug/L | 0.00    |
| Spiked Amount                  | 5.000  | Range | 60 - 140 | Recovery | =    | 96.80%  |
| 41) Toluene-d8                 | 7.92   | 98    | 407724   | 4.56     | ug/L | 0.00    |
| Spiked Amount                  | 5.000  | Range | 70 - 130 | Recovery | =    | 91.20%  |
| 43) trans-1,3-Dichloropropene- | 8.20   | 79    | 56120    | 4.37     | ug/L | 0.00    |
| Spiked Amount                  | 5.000  | Range | 55 - 130 | Recovery | =    | 87.40%  |
| 46) 2-Hexanone-d5              | 8.65   | 63    | 372072   | 61.30    | ug/L | 0.00    |
| Spiked Amount                  | 50.000 | Range | 45 - 130 | Recovery | =    | 122.60% |
| 57) 1,1,2,2-Tetrachloroethane- | 10.77  | 84    | 134006   | 5.29     | ug/L | 0.00    |
| Spiked Amount                  | 5.000  | Range | 65 - 120 | Recovery | =    | 105.80% |
| 64) 1,2-Dichlorobenzene-d4     | 12.20  | 152   | 154607   | 5.09     | ug/L | 0.00    |
| Spiked Amount                  | 5.000  | Range | 80 - 120 | Recovery | =    | 101.80% |

## Target Compounds

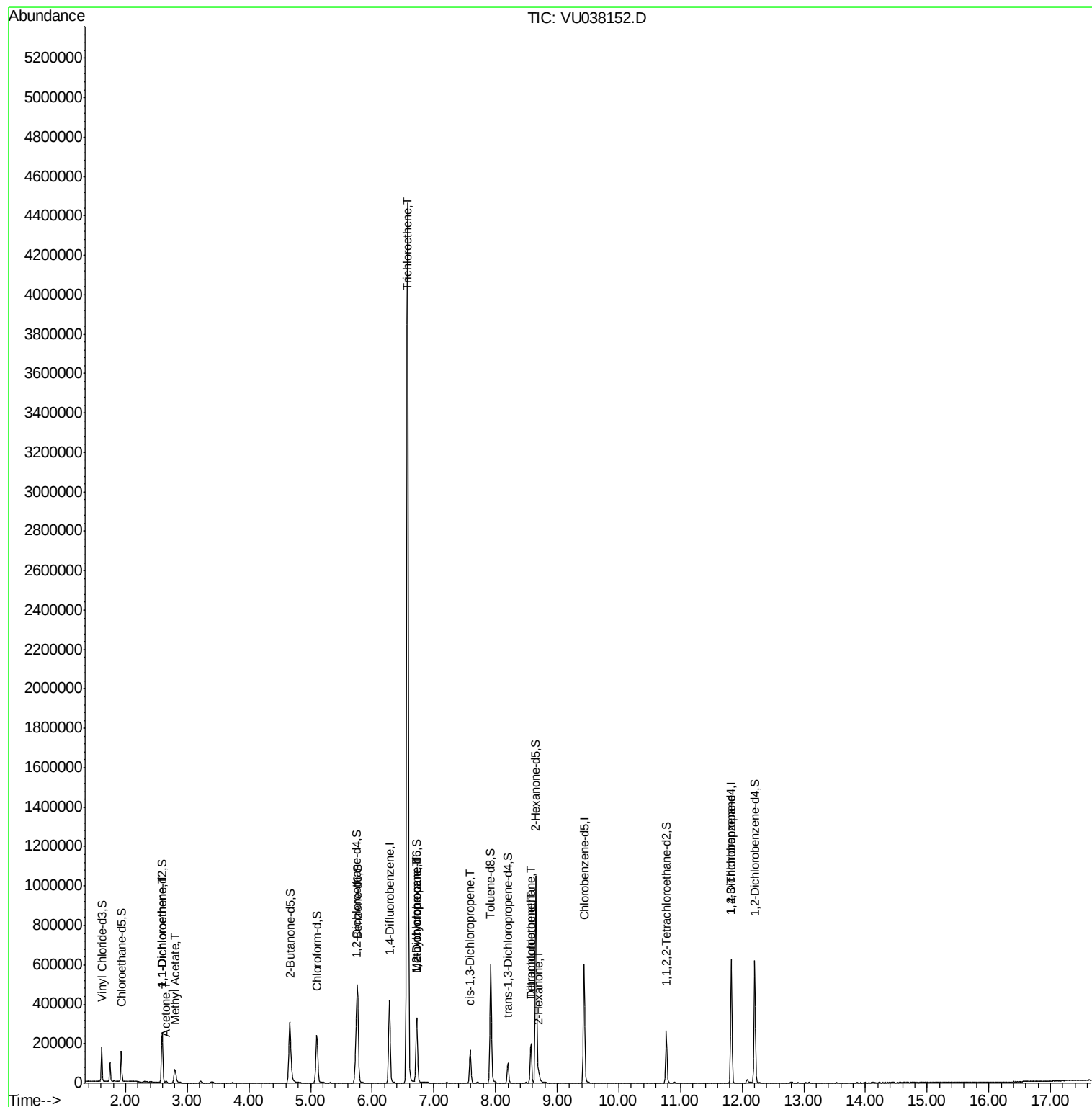
| Target Compounds            | R.T.  | QIon | Response | Conc   | Units  | Ovalue |
|-----------------------------|-------|------|----------|--------|--------|--------|
| 12) 1,1-Dichloroethene      | 2.59  | 96   | 1568     | 0.066  | ug/L # | 1      |
| 13) Acetone                 | 2.66  | 43   | 8320     | 1.723  | ug/L   | 92     |
| 15) Methyl Acetate          | 2.80  | 43   | 23652    | 1.751  | ug/L # | 53     |
| 34) Trichloroethene         | 6.57  | 95   | 1511680  | 56.889 | ug/L   | 98     |
| 35) Methylcyclohexane       | 6.72  | 83   | 34365    | 0.798  | ug/L # | 15     |
| 37) 1,2-Dichloropropane     | 6.72  | 63   | 16963    | 0.588  | ug/L # | 88     |
| 39) cis-1,3-Dichloropropene | 7.59  | 75   | 3466     | 0.084  | ug/L # | 53     |
| 47) Tetrachloroethene       | 8.57  | 164  | 42964    | 2.312  | ug/L   | 95     |
| 48) 2-Hexanone              | 8.70  | 43   | 24981    | 1.705  | ug/L   | 93     |
| 49) Dibromochloromethane    | 8.57  | 129  | 43538    | 2.093  | ug/L # | 10     |
| 59) 1,2,3-Trichloropropane  | 11.82 | 75   | 20470    | 1.057  | ug/L # | 89     |

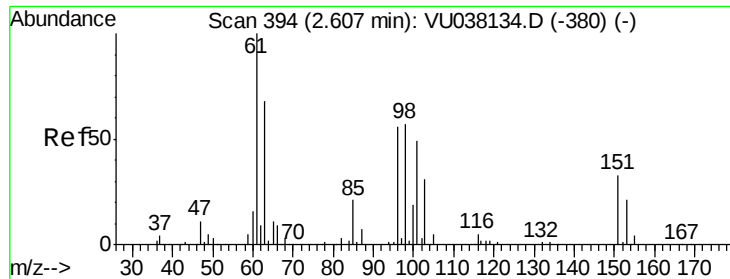
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Operator : JC/MD  
Sample : L2631-05  
Misc : 25.0mL/MSVOA U/WATER  
ALS Vial : 1 Sample Multiplier: 1

Instrument :  
MSVOA\_U  
ClientSampleId :

Quant Time: May 14 01:16:10 2020  
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_U\METHOD\SOMUTR050720WMA.M  
Quant Title : TRACE VOA SOM01.0  
QLast Update : Thu May 14 01:11:51 2020  
Response via : Initial Calibration





#12

1,1-Dichloroethene

Concen: 0.066 ug/L

RT: 2.59 min Scan# 389

Delta R.T. -0.02 min

Lab File: VU038152.D

Acq: 13 May 2020 18:35

Instrument :

MSVOA\_U

ClientSampleId :

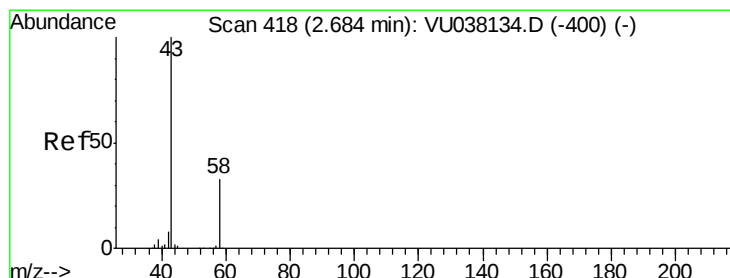
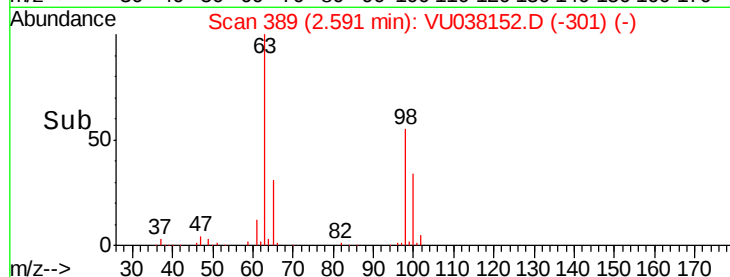
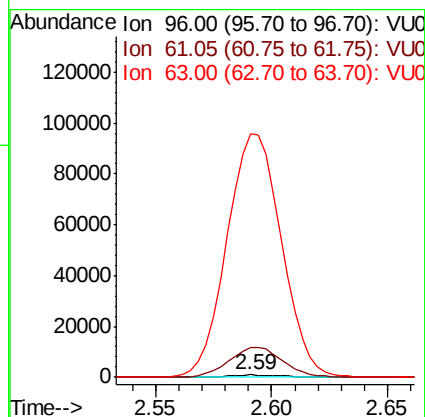
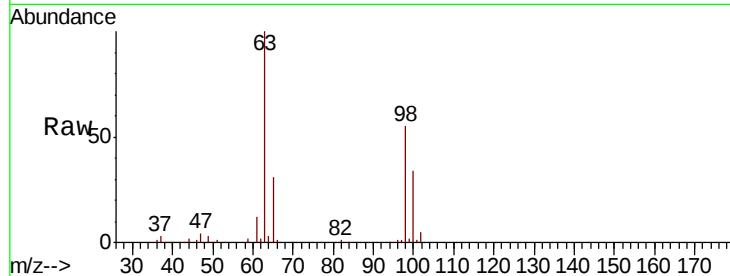
Tot Ion: 96 Resp: 1568

Ion Ratio Lower Upper

96 100

61 1227.7 126.2 234.4#

63 10158.8 96.9 179.9#



#13

Acetone

Concen: 1.723 ug/L

RT: 2.66 min Scan# 409

Delta R.T. -0.03 min

Lab File: VU038152.D

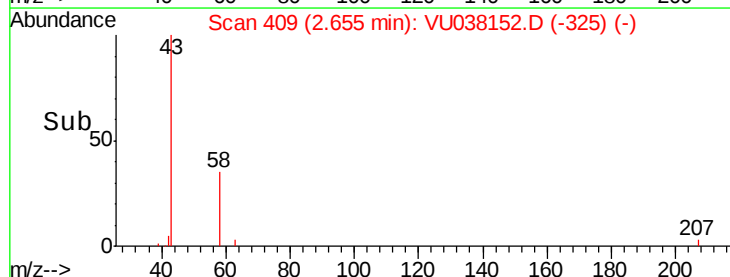
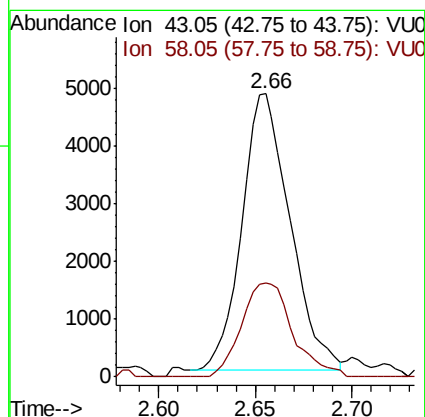
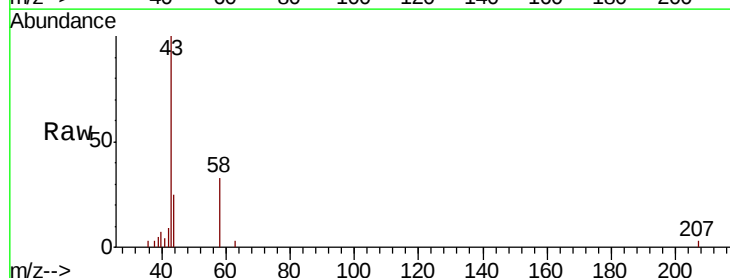
Acq: 13 May 2020 18:35

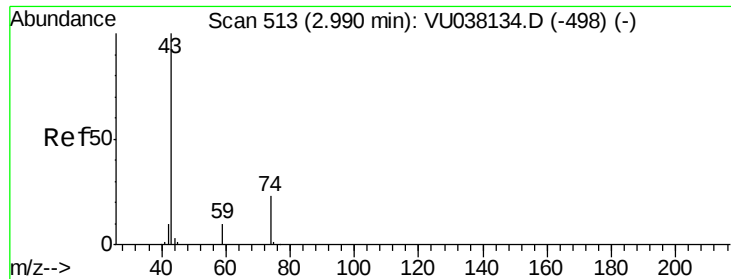
Tgt Ion: 43 Resp: 8320

Ion Ratio Lower Upper

43 100

58 36.2 0.0 63.6

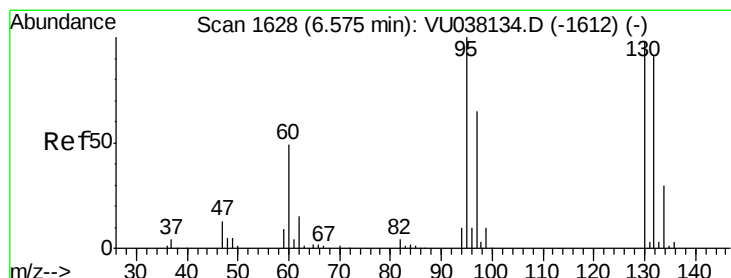
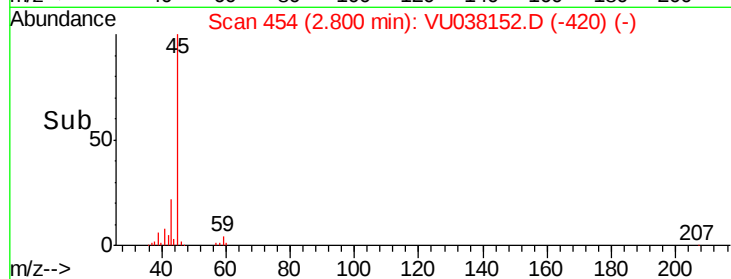
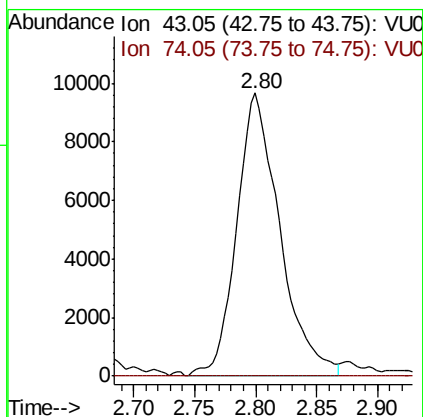
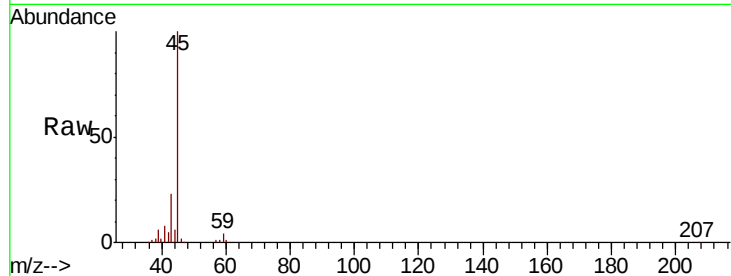




#15  
Methyl Acetate  
Concen: 1.751 ug/L  
RT: 2.80 min Scan# 454  
Delta R.T. -0.19 min  
Lab File: VU038152.D  
Acq: 13 May 2020 18:35

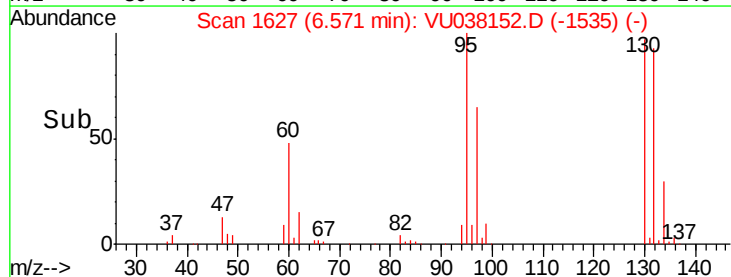
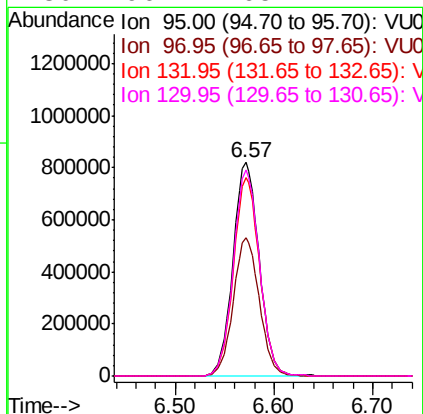
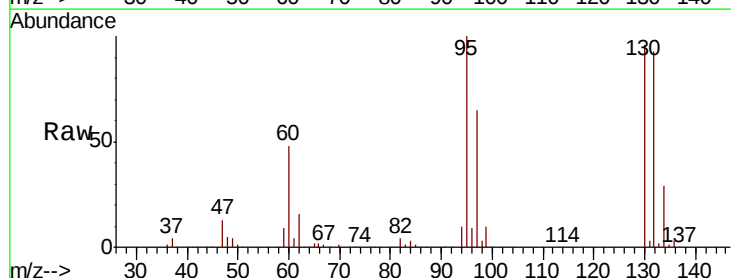
Instrument :  
MSVOA\_U  
ClientSampled :

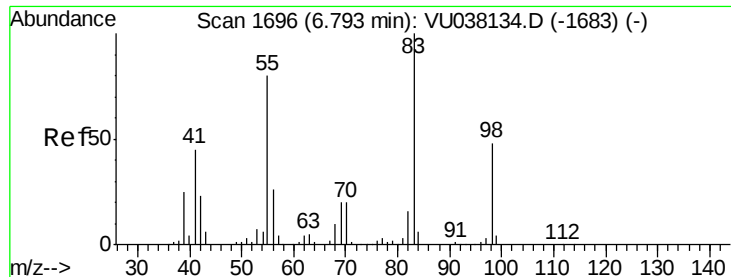
Tot Ion: 43 Resp: 23652  
Ion Ratio Lower Upper  
43 100  
74 0.0 18.0 27.0#



#34  
Trichloroethene  
Concen: 56.889 ug/L  
RT: 6.57 min Scan# 1627  
Delta R.T. -0.00 min  
Lab File: VU038152.D  
Acq: 13 May 2020 18:35

Tgt Ion: 95 Resp: 1511680  
Ion Ratio Lower Upper  
95 100  
97 64.7 44.9 83.3  
132 92.9 63.3 117.5  
130 96.2 65.7 122.1

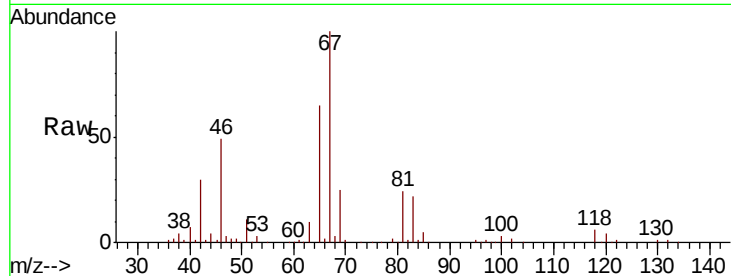




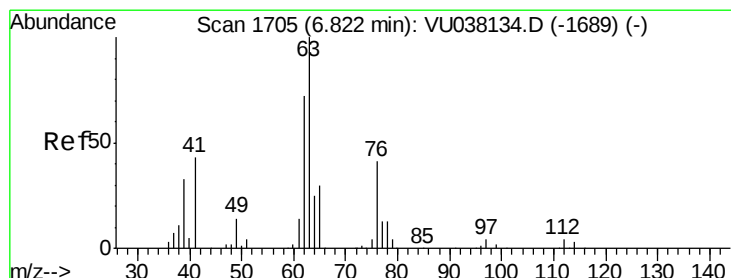
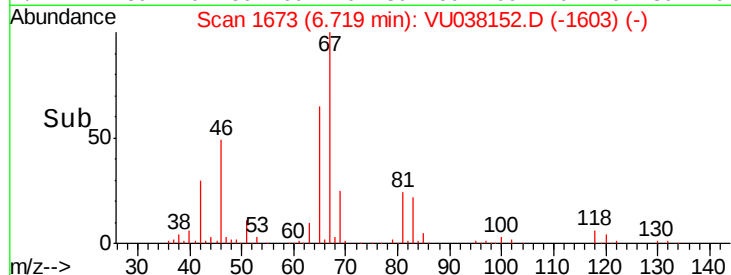
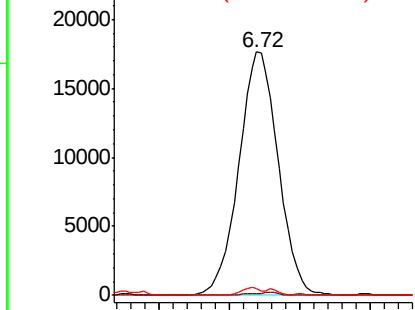
#35  
Methvlcvclohexane  
Concen: 0.798 ug/L  
RT: 6.72 min Scan# 1673  
Delta R.T. -0.07 min  
Lab File: VU038152.D  
Acq: 13 May 2020 18:35

Instrument :  
MSVOA\_U  
ClientSampled :

Tot Ion: 83 Resp: 34365  
Ion Ratio Lower Upper  
83 100  
55 0.3 66.7 100.1#  
98 0.0 39.4 59.2#

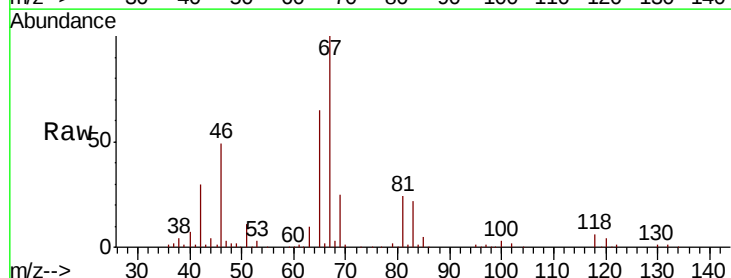


Abundance Ion 83.15 (82.85 to 83.85): VU0  
Ion 55.10 (54.80 to 55.80): VU0  
Ion 98.15 (97.85 to 98.85): VU0

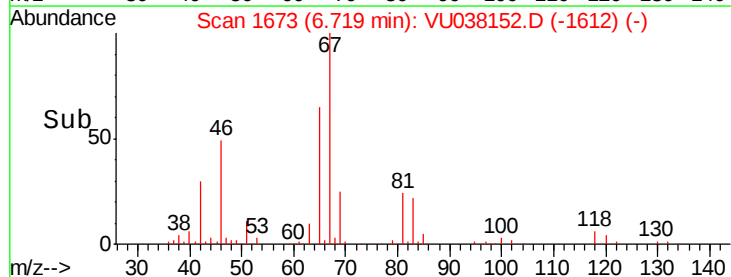
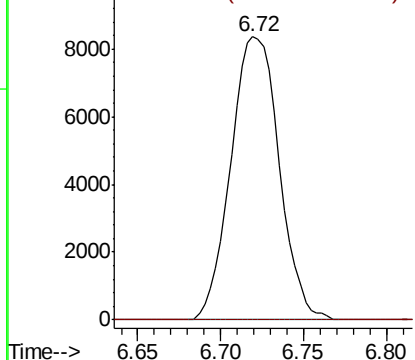


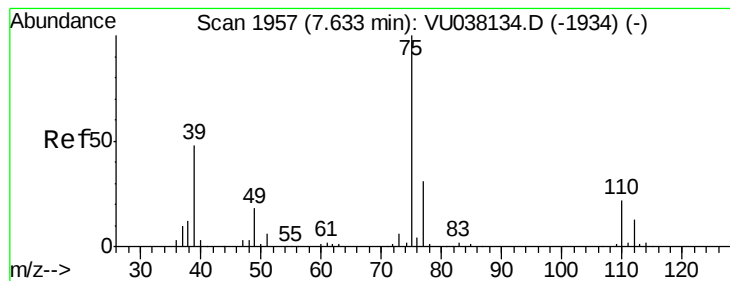
#37  
1,2-Dichloropropane  
Concen: 0.588 ug/L  
RT: 6.72 min Scan# 1673  
Delta R.T. -0.10 min  
Lab File: VU038152.D  
Acq: 13 May 2020 18:35

Tgt Ion: 63 Resp: 16963  
Ion Ratio Lower Upper  
63 100  
112 0.0 3.1 4.7#



Abundance Ion 63.10 (62.80 to 63.80): VU0  
Ion 112.10 (111.80 to 112.80): V



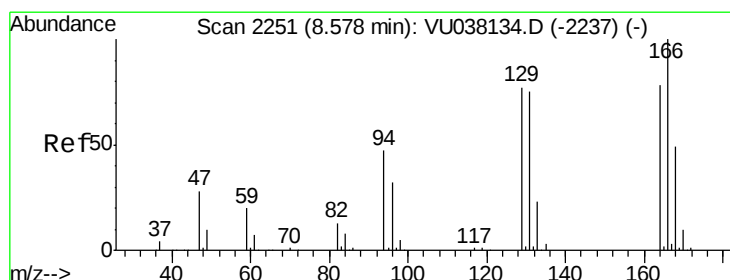
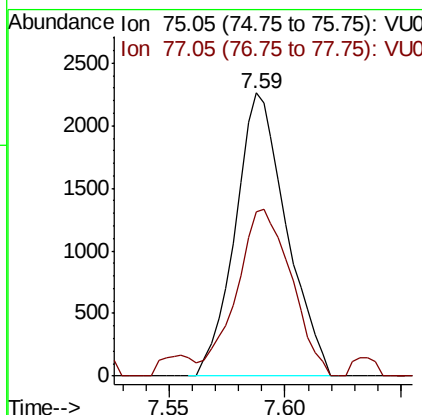
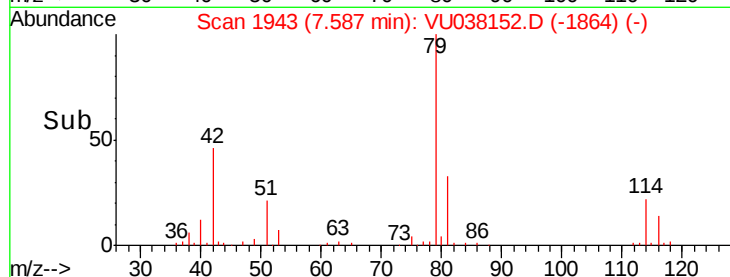
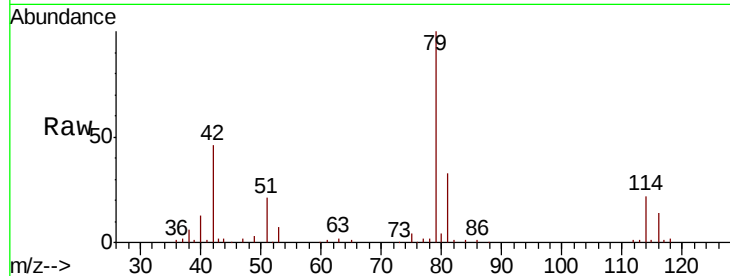


#39

cis-1,3-Dichloropropene  
 Concen: 0.084 ug/L  
 RT: 7.59 min Scan# 1943  
 Delta R.T. -0.05 min  
 Lab File: VU038152.D  
 Acq: 13 May 2020 18:35

Instrument :  
 MSVOA\_U  
 ClientSampled :

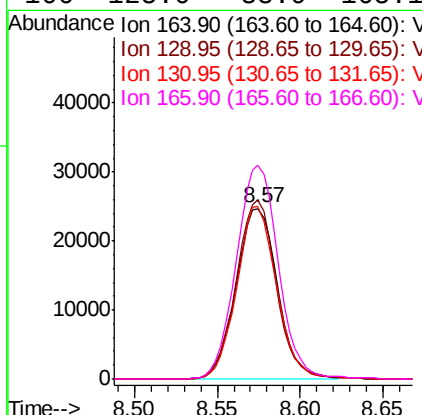
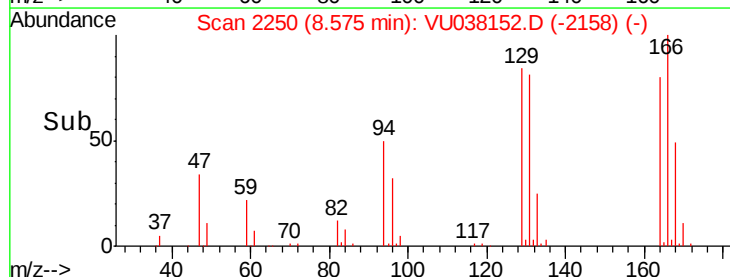
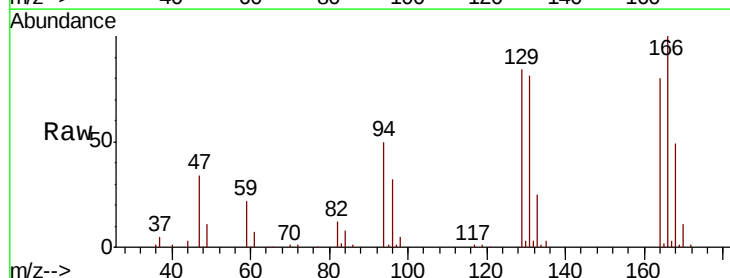
Tot Ion: 75 Resp: 3466  
 Ion Ratio Lower Upper  
 75 100  
 77 58.0 22.4 41.6#

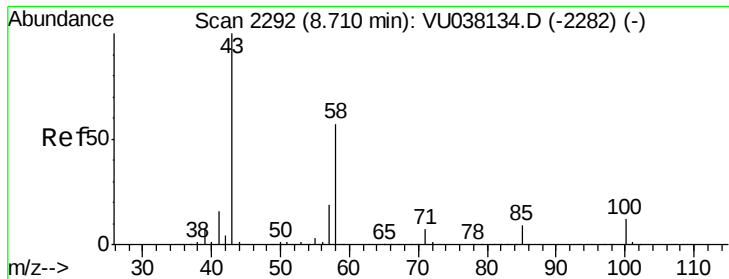


#47

Tetrachloroethene  
 Concen: 2.312 ug/L  
 RT: 8.57 min Scan# 2250  
 Delta R.T. -0.00 min  
 Lab File: VU038152.D  
 Acq: 13 May 2020 18:35

Tgt Ion: 164 Resp: 42964  
 Ion Ratio Lower Upper  
 164 100  
 129 105.1 68.8 127.8  
 131 101.5 66.8 124.2  
 166 125.0 88.9 165.1

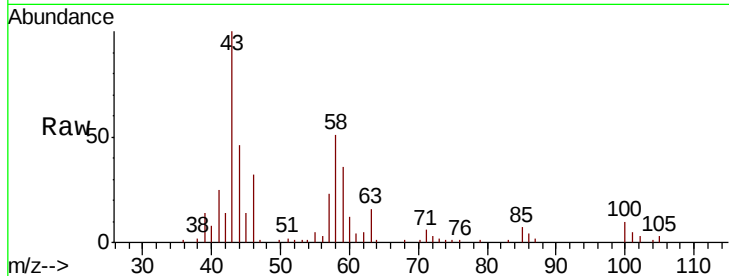




#48  
2-Hexanone  
Concen: 1.705 ug/L  
RT: 8.70 min Scan# 2290  
Delta R.T. -0.01 min  
Lab File: VU038152.D  
Acq: 13 May 2020 18:35

Instrument :  
MSVOA\_U  
ClientSampled :

|          |       |       |       |
|----------|-------|-------|-------|
| Tot Ion: | 43    | Resp: | 24981 |
| Ion      | Ratio | Lower | Upper |
| 43       | 100   |       |       |
| 58       | 51.0  | 45.2  | 67.8  |
| 57       | 22.3  | 15.5  | 23.3  |
| 100      | 10.0  | 9.5   | 14.3  |

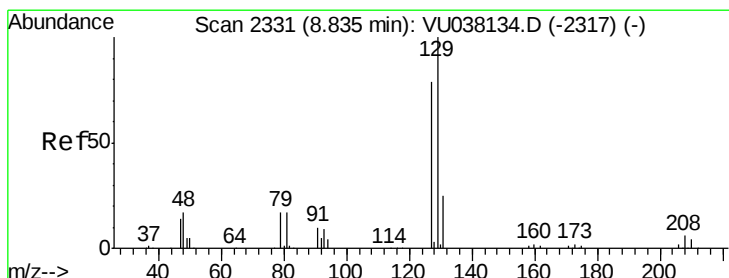
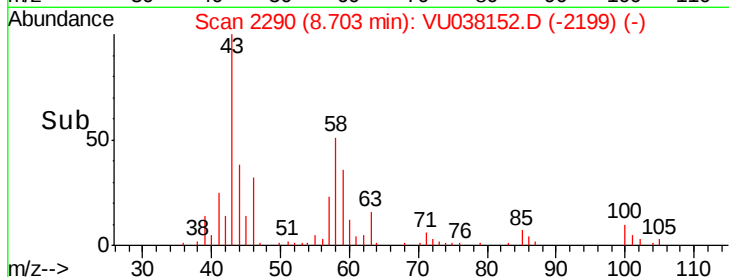
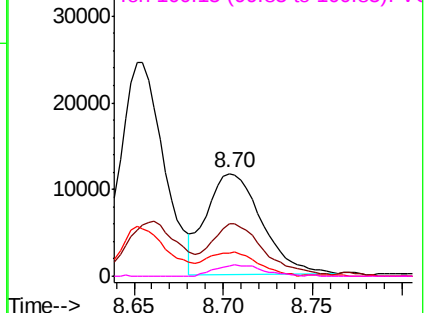


Abundance Ion 43.05 (42.75 to 43.75): VU038152.D (-2199) (-)

Ion 58.05 (57.75 to 58.75): VU038152.D (-2199) (-)

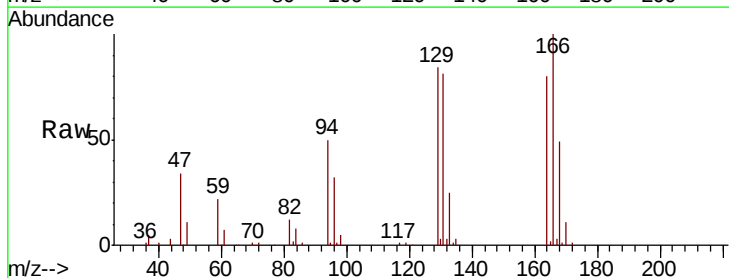
Ion 57.20 (56.90 to 57.90): VU038152.D (-2199) (-)

Ion 100.15 (99.85 to 100.85): VU038152.D (-2199) (-)



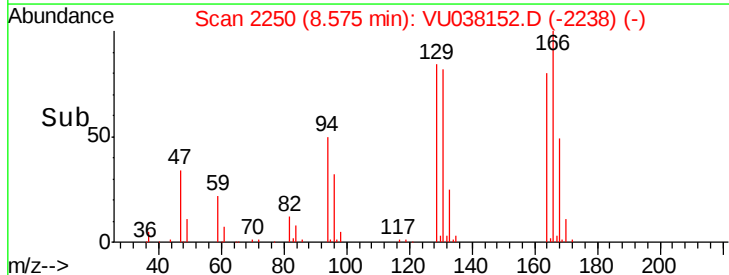
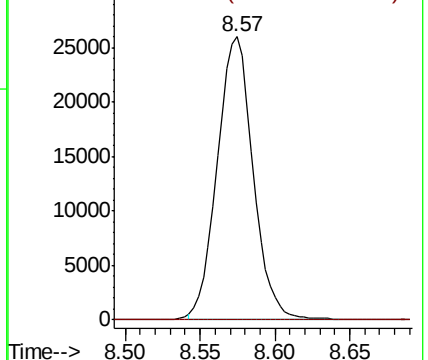
#49  
Dibromochloromethane  
Concen: 2.093 ug/L  
RT: 8.57 min Scan# 2250  
Delta R.T. -0.26 min  
Lab File: VU038152.D  
Acq: 13 May 2020 18:35

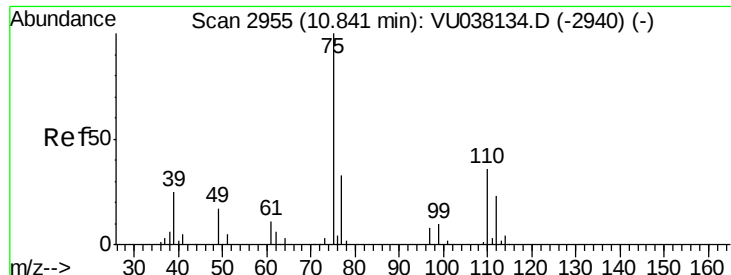
|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 129   | Resp: | 43538  |
| Ion      | Ratio | Lower | Upper  |
| 129      | 100   |       |        |
| 127      | 0.0   | 55.6  | 103.4# |



Abundance Ion 128.95 (128.65 to 129.65): VU038152.D (-2238) (-)

Ion 126.90 (126.60 to 127.60): VU038152.D (-2238) (-)





#59

1,2,3-Trichloropropane

Concen: 1.057 ug/L

RT: 11.82 min Scan# 3260

Delta R.T. 0.98 min

Lab File: VU038152.D

Acq: 13 May 2020 18:35

Instrument :

MSVOA\_U

ClientSampleId :

Tot Ion: 75 Resp: 20470

Ion Ratio Lower Upper

75 100

77 38.1 25.4 38.0#

