

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU060120\  
 Data File : VU038460.D  
 Acq On : 01 Jun 2020 10:32  
 Operator : JC/MD  
 Sample : VU0601WBL01  
 Misc : 25.0mL/MSVOA U/WATER  
 ALS Vial : 2 Sample Multiplier: 1

Instrument :  
 MSVOA\_U  
 ClientSampleId :

Quant Time: Jun 02 05:27:13 2020  
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_U\METHOD\SOMUTR053120WMA.M  
 Quant Title : TRACE VOA SOM01.0  
 QLast Update : Tue Jun 02 05:25:28 2020  
 Response via : Initial Calibration

| Internal Standards         | R.T.  | QIon | Response | Conc | Units | Dev(Min) |
|----------------------------|-------|------|----------|------|-------|----------|
| 1) 1,4-Difluorobenzene     | 6.28  | 114  | 323624   | 5.00 | ug/L  | 0.00     |
| 28) Chlorobenzene-d5       | 9.44  | 117  | 325745   | 5.00 | ug/L  | 0.00     |
| 60) 1,4-Dichlorobenzene-d4 | 11.83 | 152  | 149288   | 5.00 | ug/L  | 0.00     |

## System Monitoring Compounds

|                                |        |       |          |          |      |         |
|--------------------------------|--------|-------|----------|----------|------|---------|
| 4) Vinyl Chloride-d3           | 1.61   | 65    | 93430    | 4.46     | ug/L | 0.00    |
| Spiked Amount                  | 5.000  | Range | 40 - 130 | Recovery | =    | 89.20%  |
| 7) Chloroethane-d5             | 1.93   | 69    | 77046    | 4.79     | ug/L | 0.00    |
| Spiked Amount                  | 5.000  | Range | 65 - 130 | Recovery | =    | 95.80%  |
| 11) 1,1-Dichloroethene-d2      | 2.59   | 63    | 149161   | 3.62     | ug/L | 0.00    |
| Spiked Amount                  | 5.000  | Range | 60 - 125 | Recovery | =    | 72.40%  |
| 20) 2-Butanone-d5              | 4.69   | 46    | 334745   | 52.61    | ug/L | 0.00    |
| Spiked Amount                  | 50.000 | Range | 40 - 130 | Recovery | =    | 105.22% |
| 24) Chloroform-d               | 5.10   | 84    | 188128   | 4.78     | ug/L | 0.00    |
| Spiked Amount                  | 5.000  | Range | 70 - 125 | Recovery | =    | 95.60%  |
| 26) 1,2-Dichloroethane-d4      | 5.74   | 65    | 111946   | 5.01     | ug/L | 0.00    |
| Spiked Amount                  | 5.000  | Range | 70 - 130 | Recovery | =    | 100.20% |
| 32) Benzene-d6                 | 5.76   | 84    | 387242   | 4.76     | ug/L | 0.00    |
| Spiked Amount                  | 5.000  | Range | 70 - 125 | Recovery | =    | 95.20%  |
| 36) 1,2-Dichloropropane-d6     | 6.72   | 67    | 116164   | 4.65     | ug/L | 0.00    |
| Spiked Amount                  | 5.000  | Range | 60 - 140 | Recovery | =    | 93.00%  |
| 41) Toluene-d8                 | 7.92   | 98    | 324390   | 4.45     | ug/L | 0.00    |
| Spiked Amount                  | 5.000  | Range | 70 - 130 | Recovery | =    | 89.00%  |
| 43) trans-1,3-Dichloropropene- | 8.20   | 79    | 49403    | 4.59     | ug/L | 0.00    |
| Spiked Amount                  | 5.000  | Range | 55 - 130 | Recovery | =    | 91.80%  |
| 46) 2-Hexanone-d5              | 8.66   | 63    | 282983   | 53.28    | ug/L | 0.00    |
| Spiked Amount                  | 50.000 | Range | 45 - 130 | Recovery | =    | 106.56% |
| 57) 1,1,2,2-Tetrachloroethane- | 10.77  | 84    | 102900   | 4.85     | ug/L | 0.00    |
| Spiked Amount                  | 5.000  | Range | 65 - 120 | Recovery | =    | 97.00%  |
| 64) 1,2-Dichlorobenzene-d4     | 12.20  | 152   | 130792   | 5.08     | ug/L | 0.00    |
| Spiked Amount                  | 5.000  | Range | 80 - 120 | Recovery | =    | 101.60% |

## Target Compounds

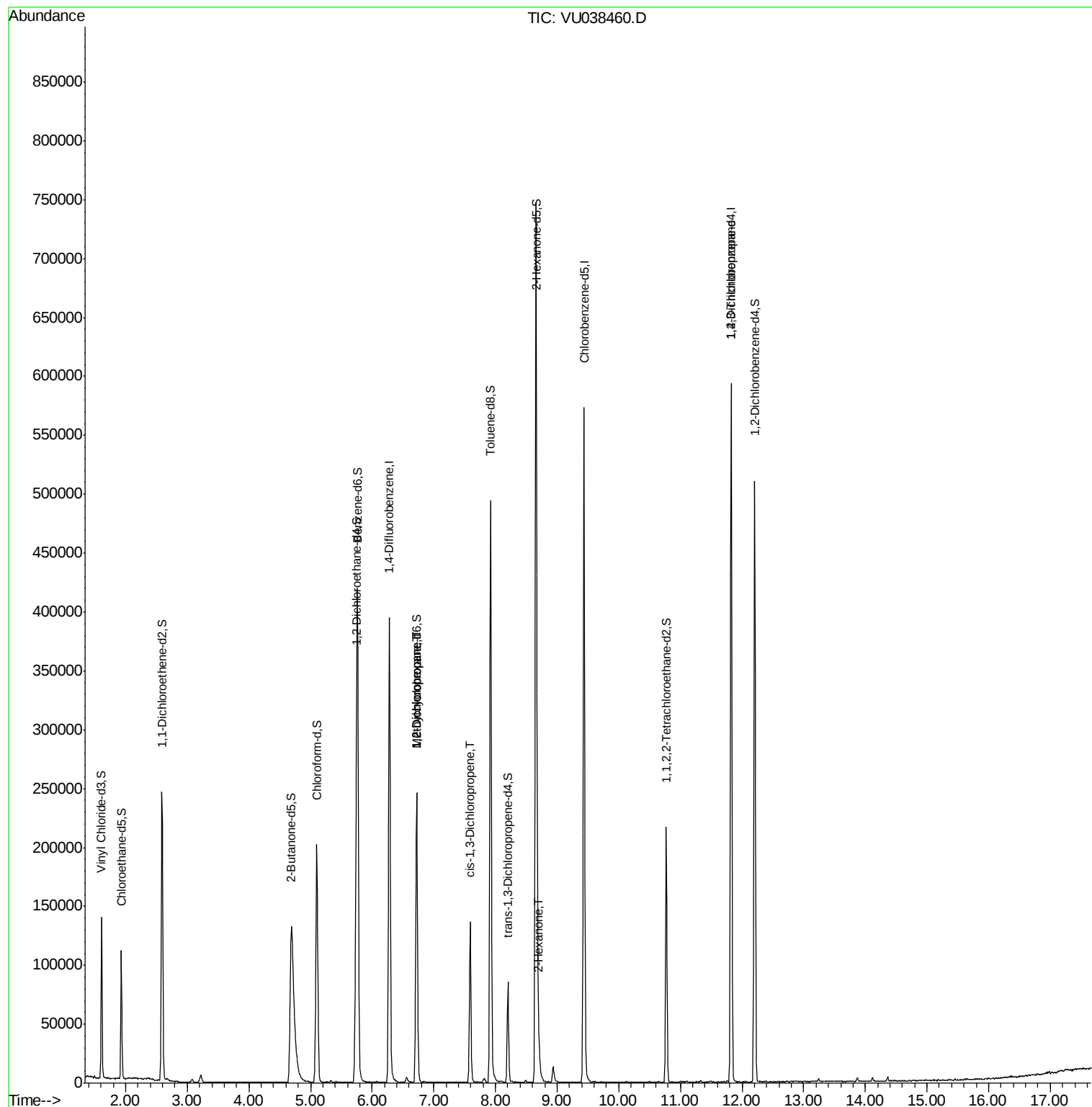
|                             |       |    |       |              | Ovalue |
|-----------------------------|-------|----|-------|--------------|--------|
| 35) Methylcyclohexane       | 6.72  | 83 | 28167 | 0.772 ug/L # | 18     |
| 37) 1,2-Dichloropropane     | 6.72  | 63 | 12564 | 0.550 ug/L # | 86     |
| 39) cis-1,3-Dichloropropene | 7.59  | 75 | 3890  | 0.115 ug/L   | 94     |
| 48) 2-Hexanone              | 8.71  | 43 | 14867 | 1.201 ug/L # | 93     |
| 59) 1,2,3-Trichloropropane  | 11.83 | 75 | 19363 | 1.135 ug/L # | 82     |

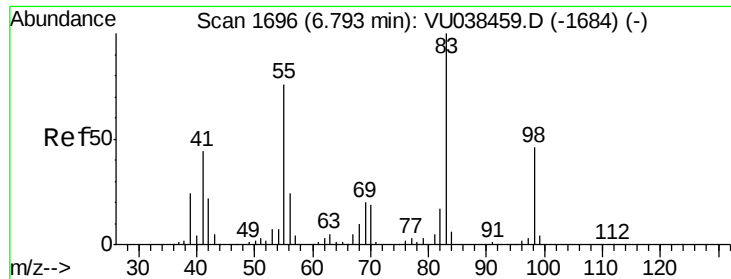
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Operator : JC/MD  
Sample : VU0601WBL01  
Misc : 25.0mL/MSVOA U/WATER  
ALS Vial : 2 Sample Multiplier: 1

Instrument :  
MSVOA\_U  
ClientSampleId :

Quant Time: Jun 02 05:27:13 2020  
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA\_U\METHOD\SOMUTR053120WMA.M  
Quant Title : TRACE VOA SOM01.0  
QLast Update : Tue Jun 02 05:25:28 2020  
Response via : Initial Calibration

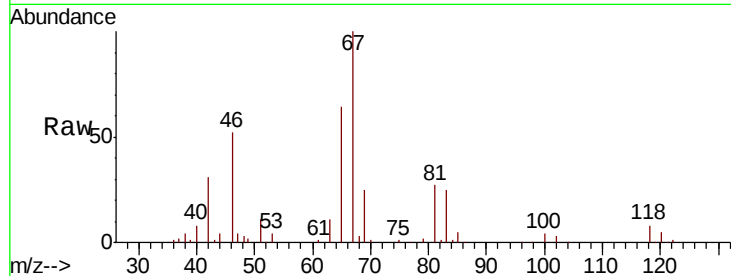




#35  
Methvlcvclohexane  
Concen: 0.772 ug/L  
RT: 6.72 min Scan# 1673  
Delta R.T. -0.07 min  
Lab File: VU038460.D  
Acq: 01 Jun 2020 10:32

Instrument :  
MSVOA\_U  
ClientSampleId :

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 83      | 100   |       |       |
| 55      | 0.0   | 63.4  | 95.2# |
| 98      | 1.3   | 39.0  | 58.4# |

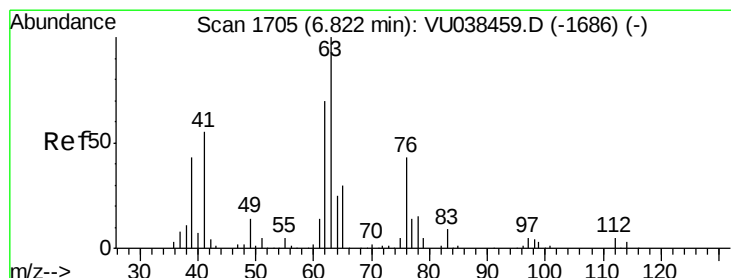
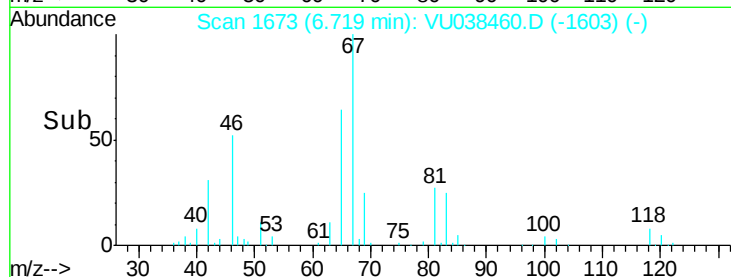
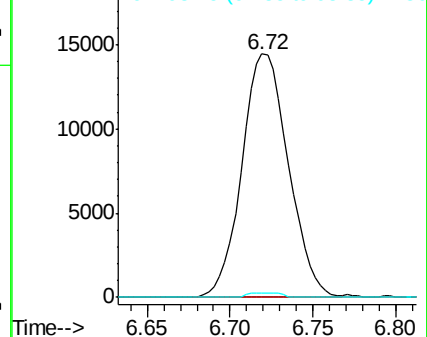


Abundance

Ion 83.15 (82.85 to 83.85): VU0

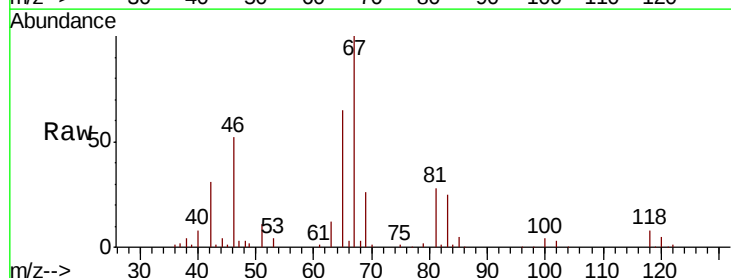
Ion 55.10 (54.80 to 55.80): VU0

Ion 98.15 (97.85 to 98.85): VU0



#37  
1,2-Dichloropropane  
Concen: 0.550 ug/L  
RT: 6.72 min Scan# 1674  
Delta R.T. -0.10 min  
Lab File: VU038460.D  
Acq: 01 Jun 2020 10:32

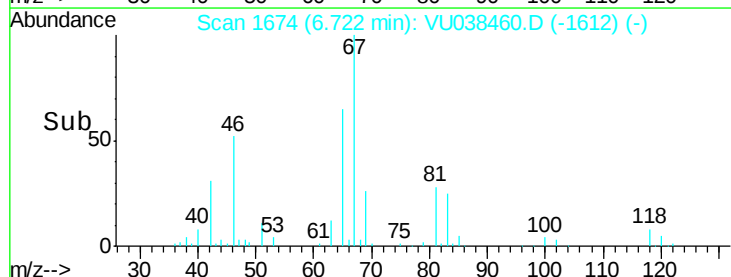
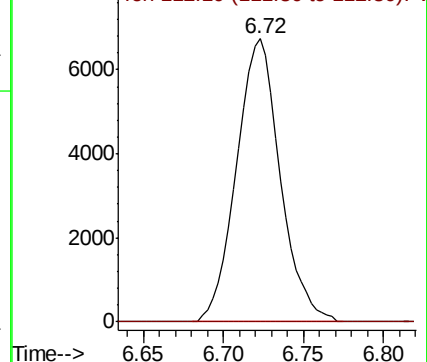
| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 63      | 100   |       |       |
| 112     | 0.0   | 3.7   | 5.5#  |

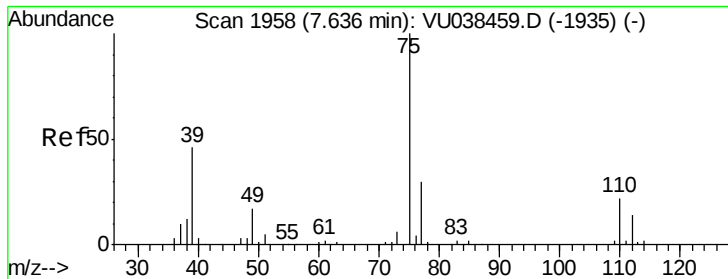


Abundance

Ion 63.10 (62.80 to 63.80): VU0

Ion 112.10 (111.80 to 112.80): V



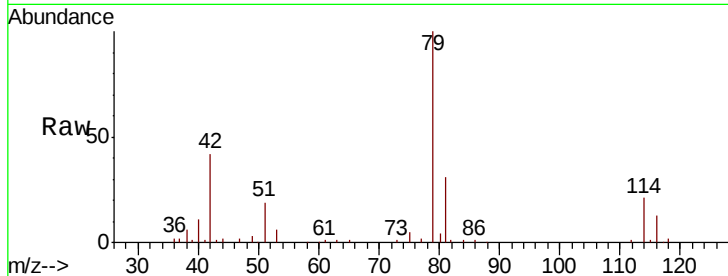


#39

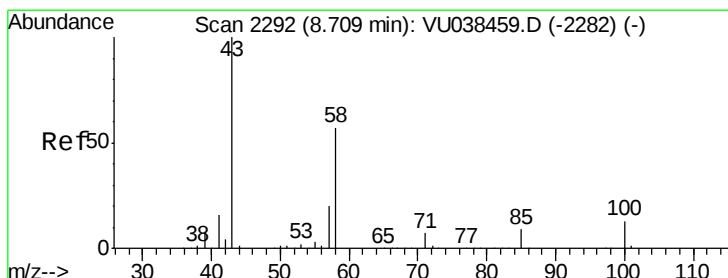
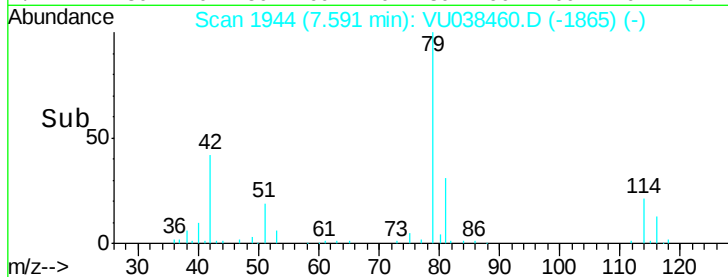
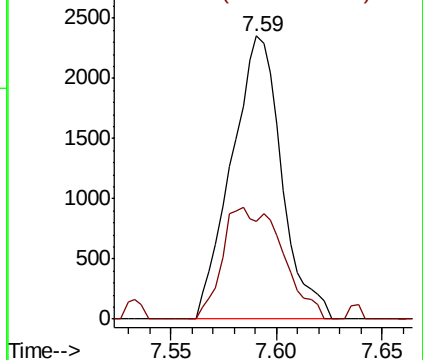
cis-1,3-Dichloropropene  
Concen: 0.115 ug/L  
RT: 7.59 min Scan# 1944  
Delta R.T. -0.04 min  
Lab File: VU038460.D  
Acq: 01 Jun 2020 10:32

Instrument :  
MSVOA\_U  
ClientSampled :

Tot Ion: 75 Resp: 3890  
Ion Ratio Lower Upper  
75 100  
77 34.4 21.9 40.7



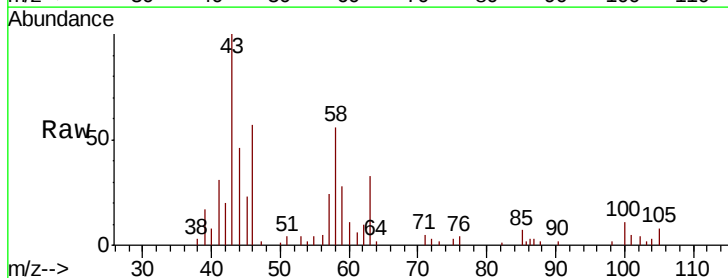
Abundance Ion 75.05 (74.75 to 75.75): VU0  
Ion 77.05 (76.75 to 77.75): VU0



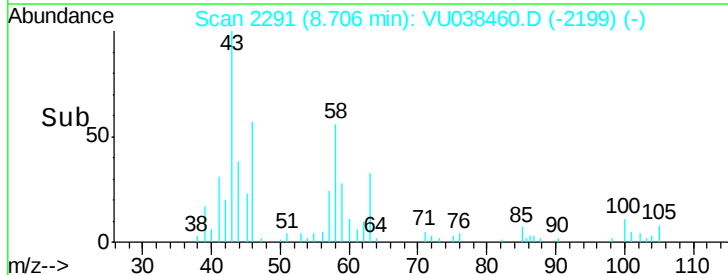
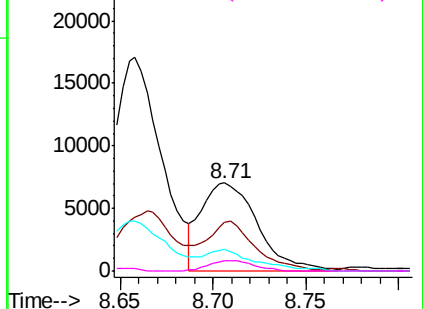
#48

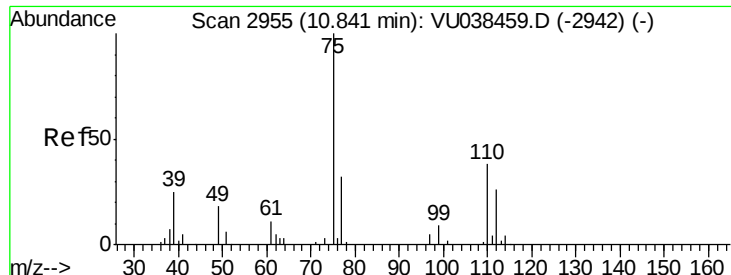
2-Hexanone  
Concen: 1.201 ug/L  
RT: 8.71 min Scan# 2291  
Delta R.T. -0.00 min  
Lab File: VU038460.D  
Acq: 01 Jun 2020 10:32

Tgt Ion: 43 Resp: 14867  
Ion Ratio Lower Upper  
43 100  
58 50.2 45.4 68.0  
57 20.4 15.9 23.9  
100 9.5 10.5 15.7#



Abundance Ion 43.05 (42.75 to 43.75): VU0  
Ion 58.05 (57.75 to 58.75): VU0  
Ion 57.20 (56.90 to 57.90): VU0  
Ion 100.15 (99.85 to 100.85): VU0





#59

1,2,3-Trichloropropane

Concen: 1.135 ug/L

RT: 11.83 min Scan# 3261

Delta R.T. 0.98 min

Lab File: VU038460.D

Acq: 01 Jun 2020 10:32

Instrument :

MSVOA\_U

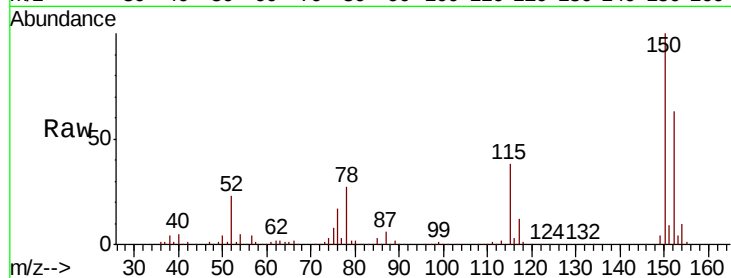
ClientSampleId :

Tot Ion: 75 Resp: 19363

Ion Ratio Lower Upper

75 100

77 41.7 25.4 38.2#



Abundance Ion 75.00 (74.70 to 75.70): VU0

Ion 77.00 (76.70 to 77.70): VU0

