

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\U061320\  
 Data File : VU038864.D  
 Acq On : 12 Jun 2020 21:21  
 Operator : SY/MD  
 Sample : VU0613WBL02  
 Misc : 25.0mL/MSVOA U/WATER  
 ALS Vial : 1 Sample Multiplier: 1

Instrument :  
 MSVOA\_U  
 ClientSampleId :

Quant Time: Jun 13 02:56:08 2020  
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_U\METHOD\SOMUTR061220WMA.M  
 Quant Title : TRACE VOA SOM01.0  
 QLast Update : Sat Jun 13 02:52:53 2020  
 Response via : Initial Calibration

| Internal Standards         | R.T.  | QIon | Response | Conc | Units | Dev(Min) |
|----------------------------|-------|------|----------|------|-------|----------|
| 1) 1,4-Difluorobenzene     | 6.28  | 114  | 298270   | 5.00 | ug/L  | 0.00     |
| 28) Chlorobenzene-d5       | 9.44  | 117  | 296606   | 5.00 | ug/L  | 0.00     |
| 60) 1,4-Dichlorobenzene-d4 | 11.83 | 152  | 136169   | 5.00 | ug/L  | 0.00     |

## System Monitoring Compounds

|                                |        |       |          |          |      |        |
|--------------------------------|--------|-------|----------|----------|------|--------|
| 4) Vinyl Chloride-d3           | 1.61   | 65    | 70924    | 4.36     | ug/L | 0.00   |
| Spiked Amount                  | 5.000  | Range | 40 - 130 | Recovery | =    | 87.20% |
| 7) Chloroethane-d5             | 1.93   | 69    | 61050    | 4.67     | ug/L | 0.00   |
| Spiked Amount                  | 5.000  | Range | 65 - 130 | Recovery | =    | 93.40% |
| 11) 1,1-Dichloroethene-d2      | 2.59   | 63    | 115179   | 3.12     | ug/L | 0.00   |
| Spiked Amount                  | 5.000  | Range | 60 - 125 | Recovery | =    | 62.40% |
| 20) 2-Butanone-d5              | 4.68   | 46    | 245448   | 48.11    | ug/L | 0.00   |
| Spiked Amount                  | 50.000 | Range | 40 - 130 | Recovery | =    | 96.22% |
| 24) Chloroform-d               | 5.10   | 84    | 157830   | 4.39     | ug/L | 0.00   |
| Spiked Amount                  | 5.000  | Range | 70 - 125 | Recovery | =    | 87.80% |
| 26) 1,2-Dichloroethane-d4      | 5.74   | 65    | 93256    | 4.58     | ug/L | 0.00   |
| Spiked Amount                  | 5.000  | Range | 70 - 130 | Recovery | =    | 91.60% |
| 32) Benzene-d6                 | 5.76   | 84    | 310944   | 4.48     | ug/L | 0.00   |
| Spiked Amount                  | 5.000  | Range | 70 - 125 | Recovery | =    | 89.60% |
| 36) 1,2-Dichloropropane-d6     | 6.72   | 67    | 94507    | 4.56     | ug/L | 0.00   |
| Spiked Amount                  | 5.000  | Range | 60 - 140 | Recovery | =    | 91.20% |
| 41) Toluene-d8                 | 7.92   | 98    | 257744   | 4.05     | ug/L | 0.00   |
| Spiked Amount                  | 5.000  | Range | 70 - 130 | Recovery | =    | 81.00% |
| 43) trans-1,3-Dichloropropene- | 8.20   | 79    | 37699    | 4.09     | ug/L | 0.00   |
| Spiked Amount                  | 5.000  | Range | 55 - 130 | Recovery | =    | 81.80% |
| 46) 2-Hexanone-d5              | 8.66   | 63    | 203557   | 49.75    | ug/L | 0.00   |
| Spiked Amount                  | 50.000 | Range | 45 - 130 | Recovery | =    | 99.50% |
| 57) 1,1,2,2-Tetrachloroethane- | 10.77  | 84    | 82638    | 4.56     | ug/L | 0.00   |
| Spiked Amount                  | 5.000  | Range | 65 - 120 | Recovery | =    | 91.20% |
| 64) 1,2-Dichlorobenzene-d4     | 12.20  | 152   | 105885   | 4.78     | ug/L | 0.00   |
| Spiked Amount                  | 5.000  | Range | 80 - 120 | Recovery | =    | 95.60% |

## Target Compounds

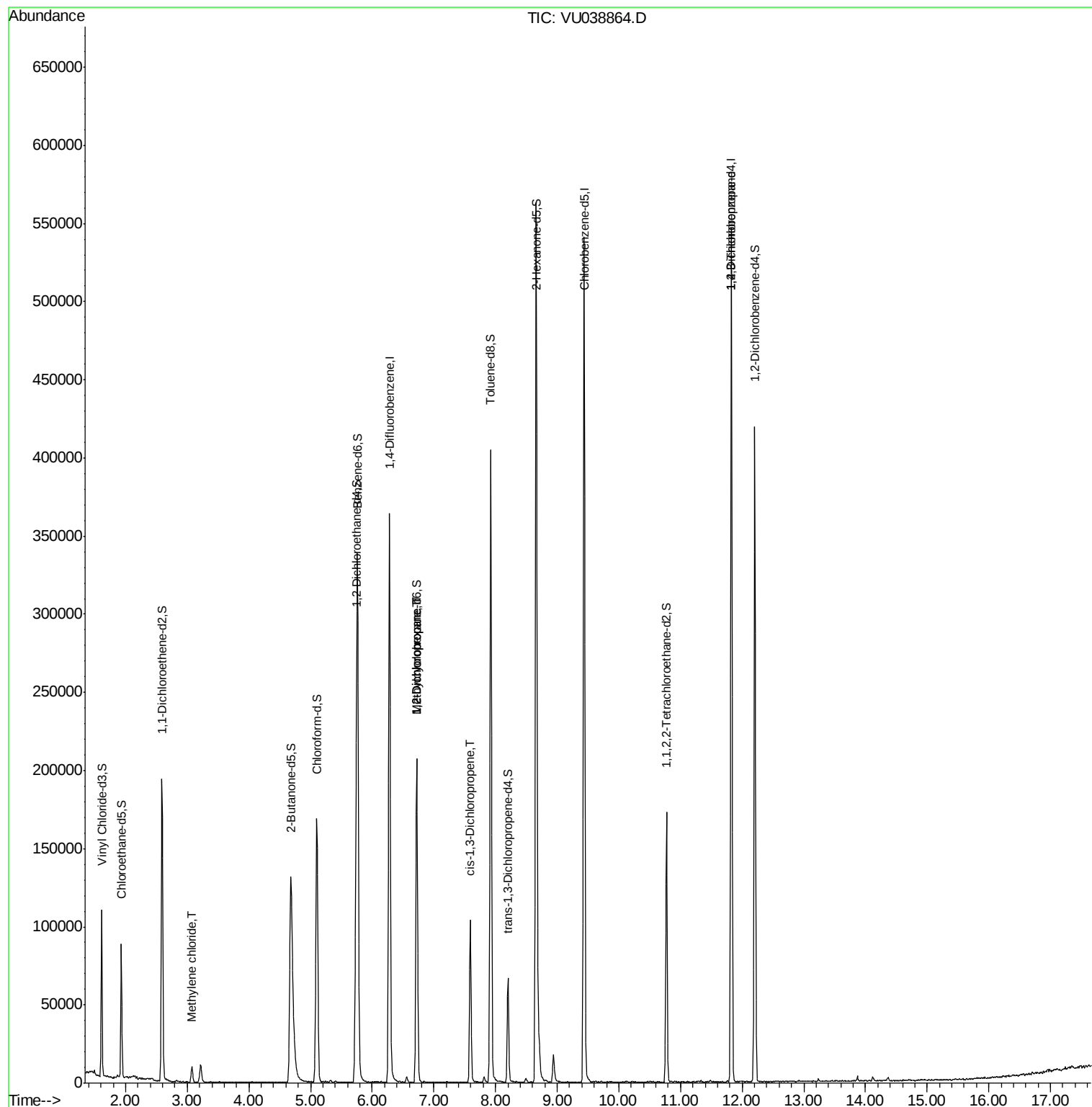
|                             |       |    |       |              | Ovalue |
|-----------------------------|-------|----|-------|--------------|--------|
| 16) Methylene chloride      | 3.07  | 84 | 5118  | 0.213 ug/L   | 85     |
| 35) Methylcyclohexane       | 6.72  | 83 | 24307 | 0.668 ug/L # | 17     |
| 37) 1,2-Dichloropropane     | 6.72  | 63 | 11009 | 0.488 ug/L # | 86     |
| 39) cis-1,3-Dichloropropene | 7.59  | 75 | 2660  | 0.079 ug/L # | 66     |
| 59) 1,2,3-Trichloropropane  | 11.83 | 75 | 16908 | 1.010 ug/L   | 92     |

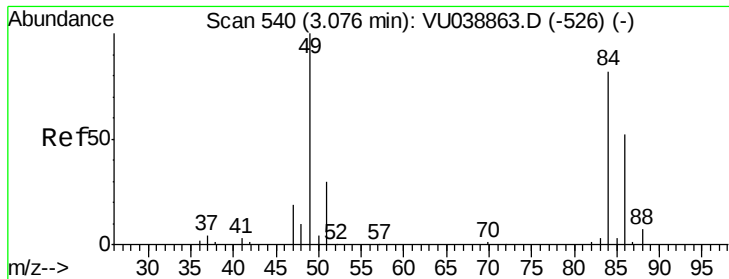
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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ALS Vial : 1 Sample Multiplier: 1

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MSVOA\_U  
ClientSampleId :

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Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA\_U\METHOD\SOMUTR061220WMA.M  
Quant Title : TRACE VOA SOM01.0  
QLast Update : Sat Jun 13 02:52:53 2020  
Response via : Initial Calibration

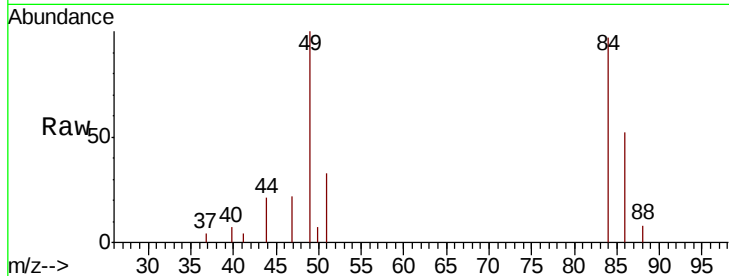




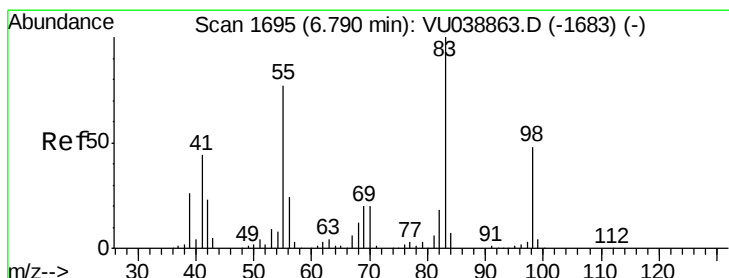
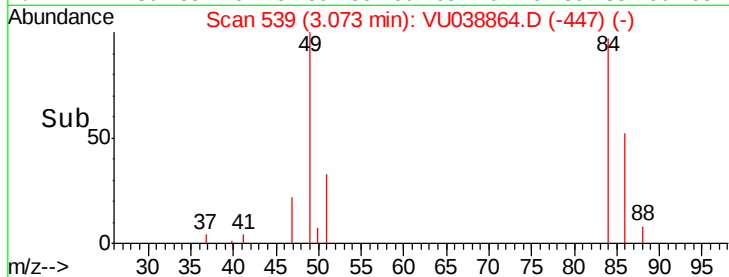
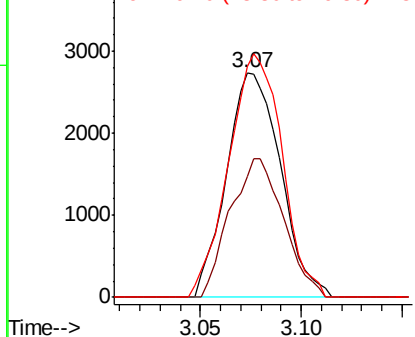
#16  
Methvlene chloride  
Concen: 0.213 ug/L  
RT: 3.07 min Scan# 539  
Delta R.T. -0.00 min  
Lab File: VU038864.D  
Acq: 12 Jun 2020 21:21

Instrument :  
MSVOA\_U  
ClientSampleId :

Tot Ion: 84 Resp: 5118  
Ion Ratio Lower Upper  
84 100  
86 53.6 43.0 80.0  
49 102.6 85.0 157.8

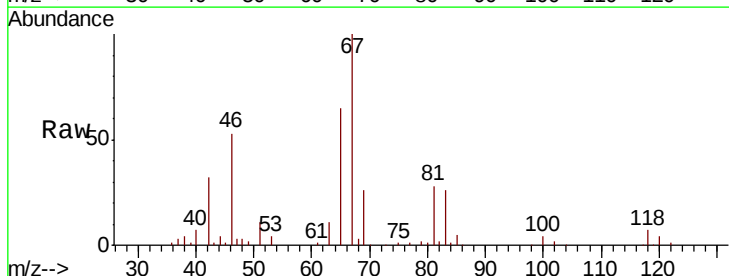


Abundance Ion 84.05 (83.75 to 84.75): VU0  
Ion 86.00 (85.70 to 86.70): VU0  
Ion 49.10 (48.80 to 49.80): VU0

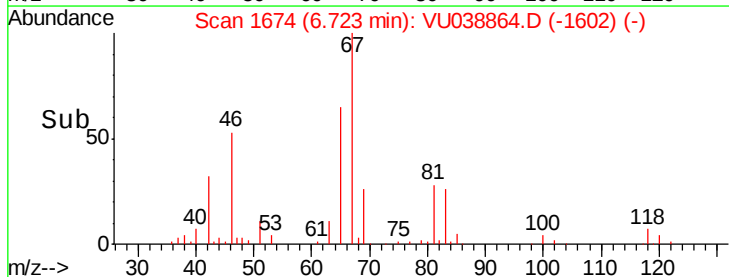
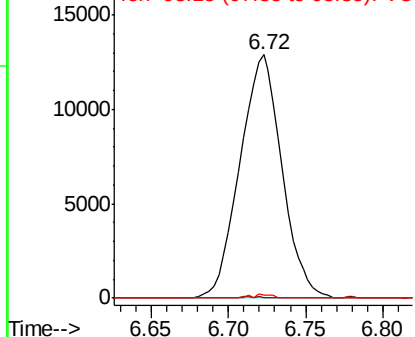


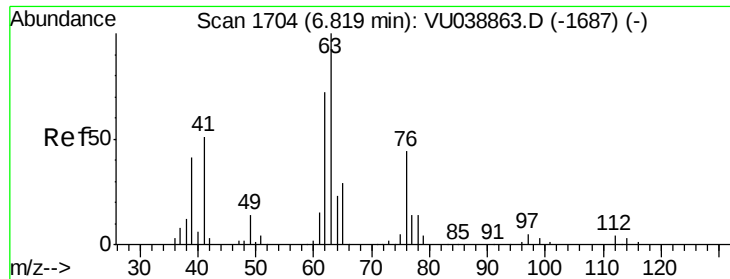
#35  
Methylcyclohexane  
Concen: 0.668 ug/L  
RT: 6.72 min Scan# 1674  
Delta R.T. -0.07 min  
Lab File: VU038864.D  
Acq: 12 Jun 2020 21:21

Tgt Ion: 83 Resp: 24307  
Ion Ratio Lower Upper  
83 100  
55 0.3 64.2 96.2#  
98 0.7 40.5 60.7#



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

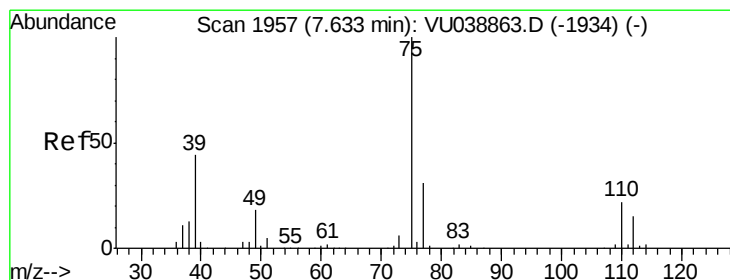
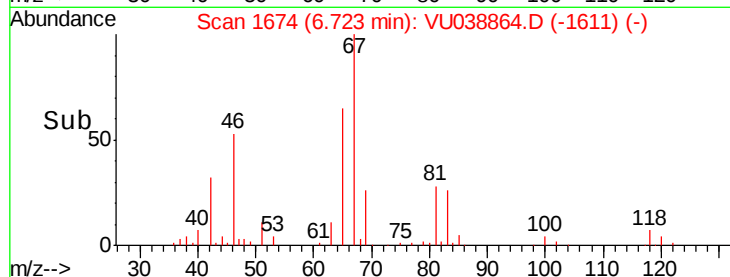
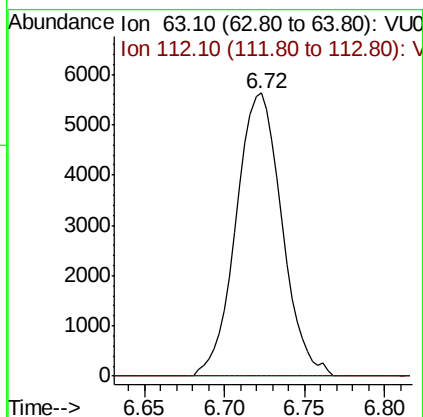
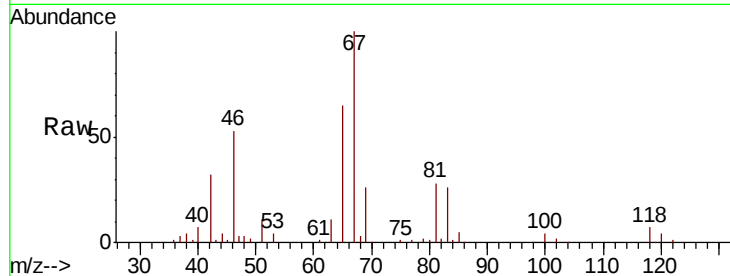




#37  
 1,2-Dichloropropane  
 Concen: 0.488 ug/L  
 RT: 6.72 min Scan# 1674  
 Delta R.T. -0.10 min  
 Lab File: VU038864.D  
 Acq: 12 Jun 2020 21:21

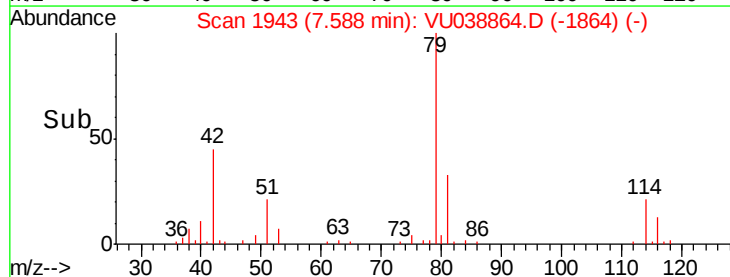
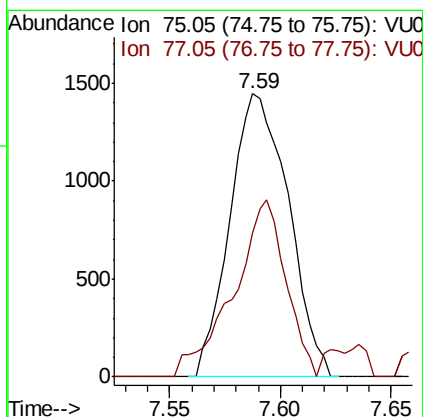
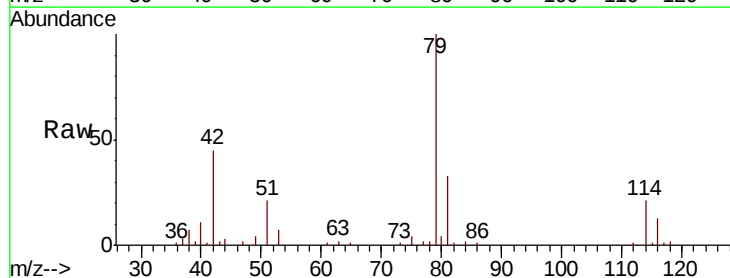
Instrument :  
 MSVOA\_U  
 ClientSampled :

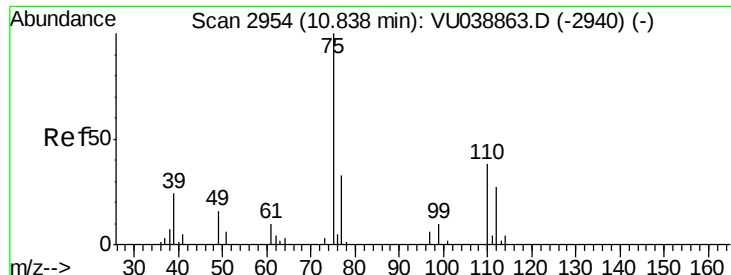
Tot Ion: 63 Resp: 11009  
 Ion Ratio Lower Upper  
 63 100  
 112 0.0 3.8 5.6#



#39  
 cis-1,3-Dichloropropene  
 Concen: 0.079 ug/L  
 RT: 7.59 min Scan# 1943  
 Delta R.T. -0.04 min  
 Lab File: VU038864.D  
 Acq: 12 Jun 2020 21:21

Tgt Ion: 75 Resp: 2660  
 Ion Ratio Lower Upper  
 75 100  
 77 51.0 22.4 41.6#





#59

1,2,3-Trichloropropane

Concen: 1.010 ug/L

RT: 11.83 min Scan# 3261

Delta R.T. 0.99 min

Lab File: VU038864.D

Acq: 12 Jun 2020 21:21

Instrument :

MSVOA\_U

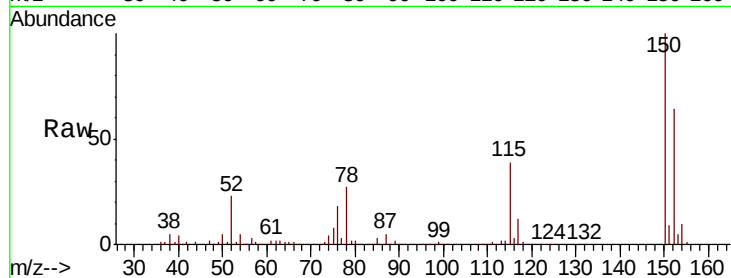
ClientSampleId :

Tot Ion: 75 Resp: 16908

Ion Ratio Lower Upper

75 100

77 36.8 25.8 38.8



Abundance Ion 75.00 (74.70 to 75.70): VU0

Ion 77.00 (76.70 to 77.70): VU0

