

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU082420\  
 Data File : VU039952.D  
 Acq On : 24 Aug 2020 17:23  
 Operator : SY/MD  
 Sample : L3782-11  
 Misc : 25.0mL/MSVOA U/WATER  
 ALS Vial : 9 Sample Multiplier: 1

Instrument :  
 MSVOA\_U  
 ClientSampleId :

Quant Time: Aug 25 02:05:22 2020  
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_U\METHOD\SOMUTR081920WMA.M  
 Quant Title : TRACE VOA SOM01.0  
 QLast Update : Tue Aug 25 02:02:41 2020  
 Response via : Initial Calibration

| Internal Standards         | R.T.  | QIon | Response | Conc | Units | Dev(Min) |
|----------------------------|-------|------|----------|------|-------|----------|
| 1) 1,4-Difluorobenzene     | 6.26  | 114  | 68944    | 5.00 | ug/L  | 0.00     |
| 28) Chlorobenzene-d5       | 9.42  | 117  | 66462    | 5.00 | ug/L  | 0.00     |
| 60) 1,4-Dichlorobenzene-d4 | 11.81 | 152  | 31624    | 5.00 | ug/L  | 0.00     |

## System Monitoring Compounds

|                                |        |       |          |          |      |         |
|--------------------------------|--------|-------|----------|----------|------|---------|
| 4) Vinyl Chloride-d3           | 1.60   | 65    | 26164    | 4.35     | ug/L | 0.00    |
| Spiked Amount                  | 5.000  | Range | 40 - 130 | Recovery | =    | 87.00%  |
| 7) Chloroethane-d5             | 1.92   | 69    | 22377    | 4.49     | ug/L | 0.00    |
| Spiked Amount                  | 5.000  | Range | 65 - 130 | Recovery | =    | 89.80%  |
| 11) 1,1-Dichloroethene-d2      | 2.58   | 63    | 40108    | 3.44     | ug/L | 0.00    |
| Spiked Amount                  | 5.000  | Range | 60 - 125 | Recovery | =    | 68.80%  |
| 20) 2-Butanone-d5              | 4.66   | 46    | 81153    | 42.17    | ug/L | 0.00    |
| Spiked Amount                  | 50.000 | Range | 40 - 130 | Recovery | =    | 84.34%  |
| 24) Chloroform-d               | 5.08   | 84    | 50901    | 4.68     | ug/L | 0.00    |
| Spiked Amount                  | 5.000  | Range | 70 - 125 | Recovery | =    | 93.60%  |
| 26) 1,2-Dichloroethane-d4      | 5.72   | 65    | 30426    | 4.73     | ug/L | 0.00    |
| Spiked Amount                  | 5.000  | Range | 70 - 130 | Recovery | =    | 94.60%  |
| 32) Benzene-d6                 | 5.74   | 84    | 99217    | 5.01     | ug/L | 0.00    |
| Spiked Amount                  | 5.000  | Range | 70 - 125 | Recovery | =    | 100.20% |
| 36) 1,2-Dichloropropane-d6     | 6.70   | 67    | 33573    | 5.14     | ug/L | 0.00    |
| Spiked Amount                  | 5.000  | Range | 60 - 140 | Recovery | =    | 102.80% |
| 41) Toluene-d8                 | 7.91   | 98    | 86382    | 4.98     | ug/L | 0.00    |
| Spiked Amount                  | 5.000  | Range | 70 - 130 | Recovery | =    | 99.60%  |
| 43) trans-1,3-Dichloropropene- | 8.19   | 79    | 12501    | 4.56     | ug/L | 0.00    |
| Spiked Amount                  | 5.000  | Range | 55 - 130 | Recovery | =    | 91.20%  |
| 46) 2-Hexanone-d5              | 8.64   | 63    | 58327    | 41.96    | ug/L | 0.00    |
| Spiked Amount                  | 50.000 | Range | 45 - 130 | Recovery | =    | 83.92%  |
| 57) 1,1,2,2-Tetrachloroethane- | 10.76  | 84    | 25024    | 4.32     | ug/L | 0.00    |
| Spiked Amount                  | 5.000  | Range | 65 - 120 | Recovery | =    | 86.40%  |
| 64) 1,2-Dichlorobenzene-d4     | 12.19  | 152   | 32851    | 5.27     | ug/L | 0.00    |
| Spiked Amount                  | 5.000  | Range | 80 - 120 | Recovery | =    | 105.40% |

## Target Compounds

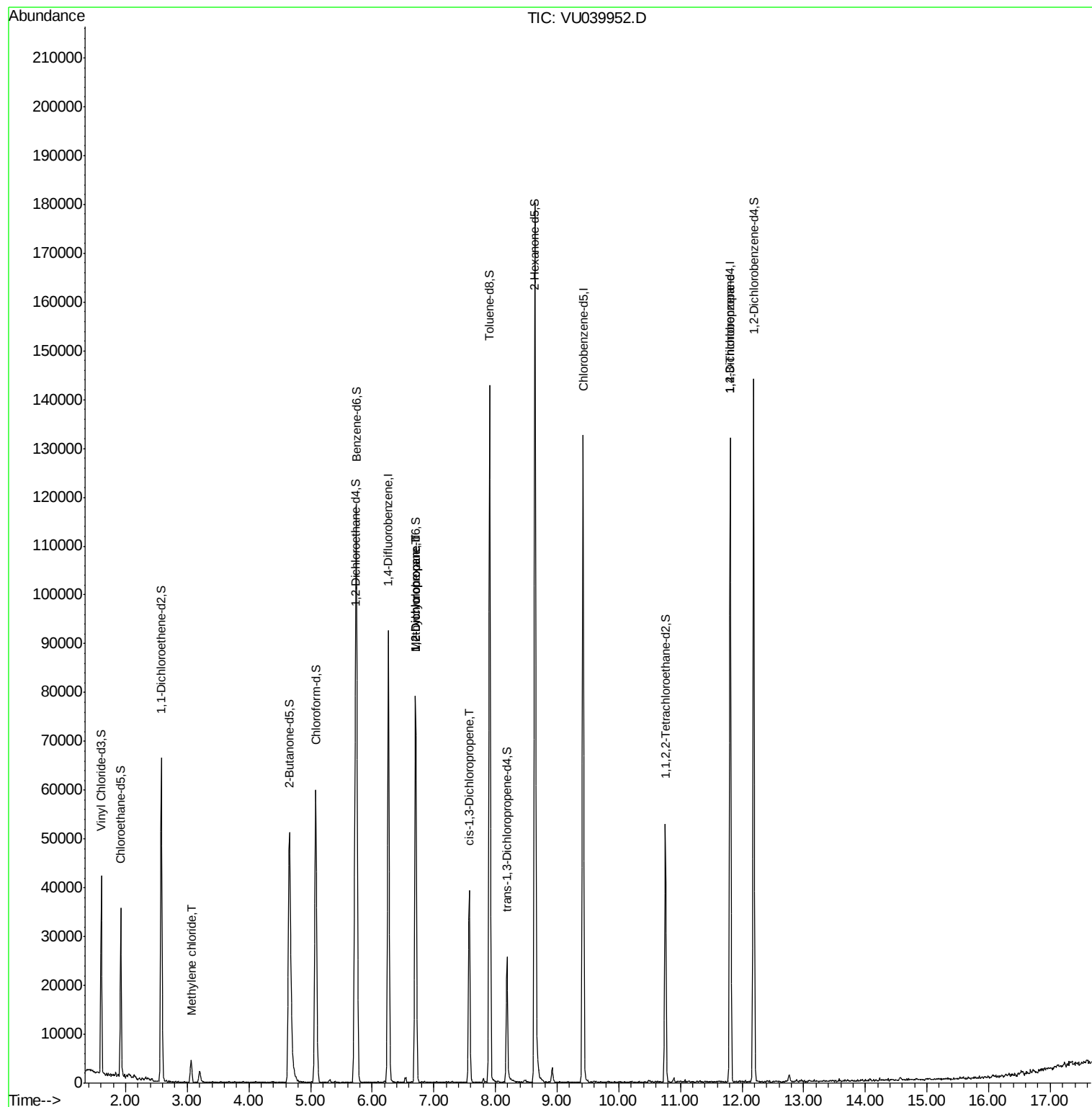
|                             |       |    |      |              | Ovalue |
|-----------------------------|-------|----|------|--------------|--------|
| 16) Methylene chloride      | 3.06  | 84 | 1932 | 0.233 ug/L   | 96     |
| 35) Methylcyclohexane       | 6.71  | 83 | 7733 | 0.805 ug/L # | 17     |
| 37) 1,2-Dichloropropane     | 6.71  | 63 | 4086 | 0.637 ug/L # | 85     |
| 39) cis-1,3-Dichloropropene | 7.57  | 75 | 1150 | 0.128 ug/L # | 74     |
| 59) 1,2,3-Trichloropropane  | 11.81 | 75 | 4585 | 0.997 ug/L   | 90     |

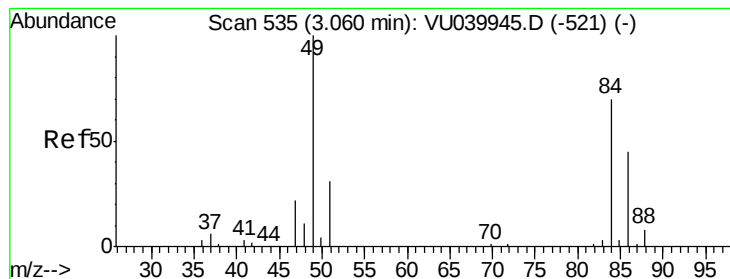
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : TRACE VOA SOM01.0  
QLast Update : Tue Aug 25 02:02:41 2020  
Response via : Initial Calibration





#16

Methylene chloride

Concen: 0.233 ug/L

RT: 3.06 min Scan# 536

Delta R.T. 0.00 min

Lab File: VU039952.D

Acq: 24 Aug 2020 17:23

Instrument :

MSVOA\_U

ClientSampled :

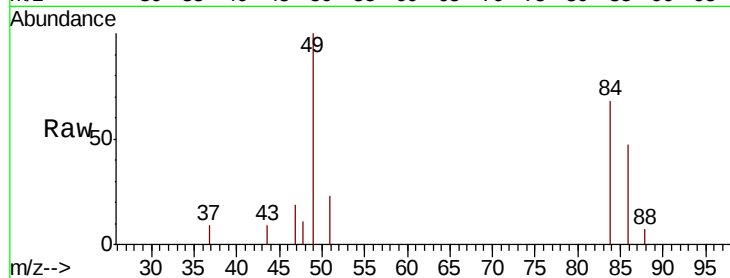
Tot Ion: 84 Resp: 1932

Ion Ratio Lower Upper

84 100

86 69.9 47.2 87.6

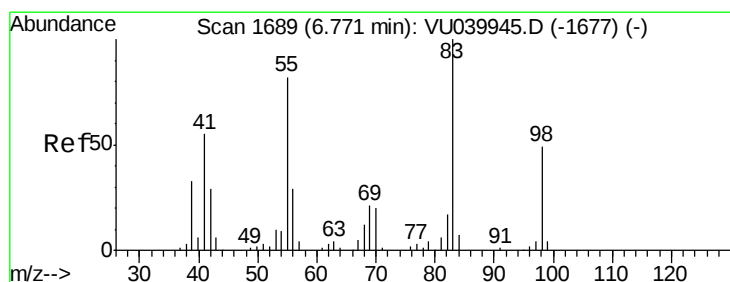
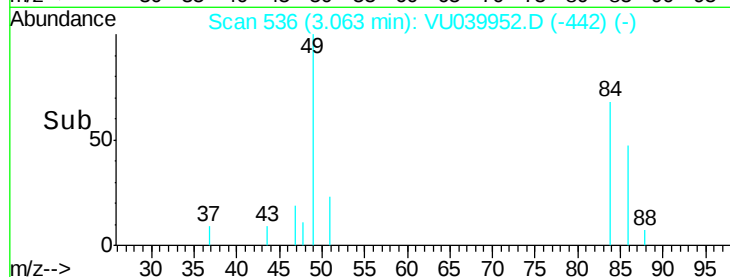
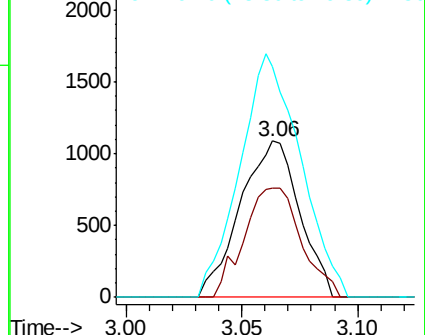
49 147.5 99.8 185.4



Abundance Ion 84.05 (83.75 to 84.75): VU039952.D (-442) (-)

Ion 86.00 (85.70 to 86.70): VU039952.D (-442) (-)

Ion 49.10 (48.80 to 49.80): VU039952.D (-442) (-)



#35

Methylcyclohexane

Concen: 0.805 ug/L

RT: 6.71 min Scan# 1669

Delta R.T. -0.06 min

Lab File: VU039952.D

Acq: 24 Aug 2020 17:23

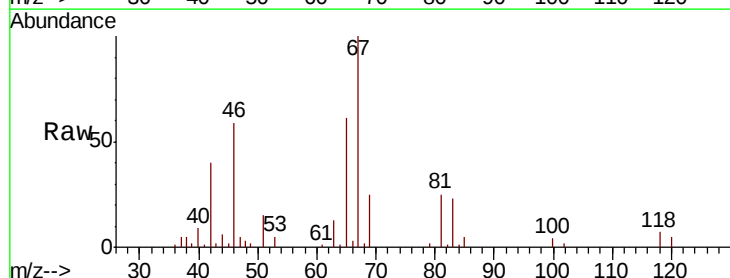
Tgt Ion: 83 Resp: 7733

Ion Ratio Lower Upper

83 100

55 0.0 64.1 96.1#

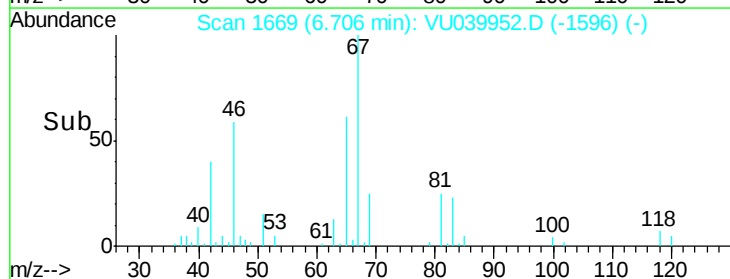
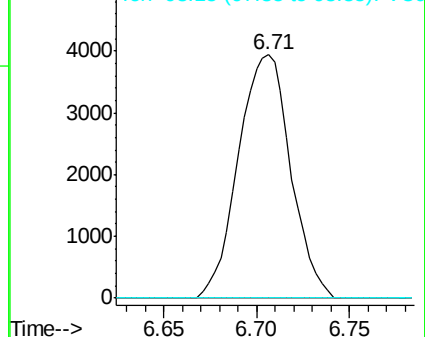
98 0.6 39.4 59.0#

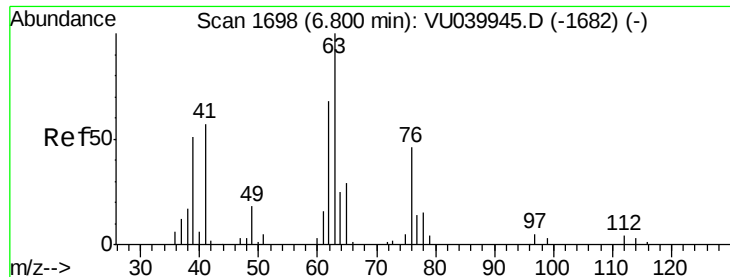


Abundance Ion 83.15 (82.85 to 83.85): VU039952.D (-1596) (-)

Ion 55.10 (54.80 to 55.80): VU039952.D (-1596) (-)

Ion 98.15 (97.85 to 98.85): VU039952.D (-1596) (-)

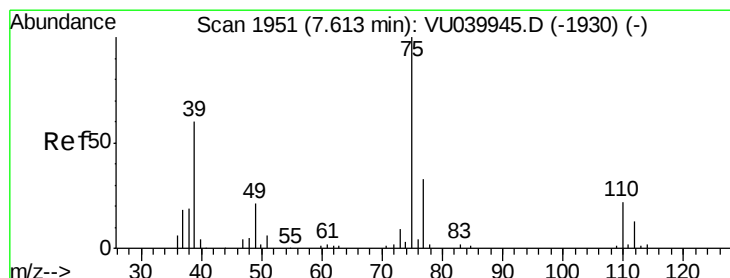
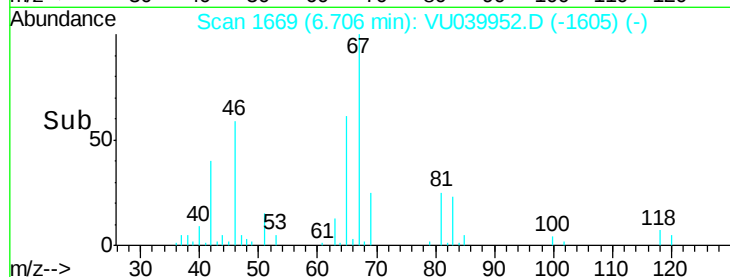
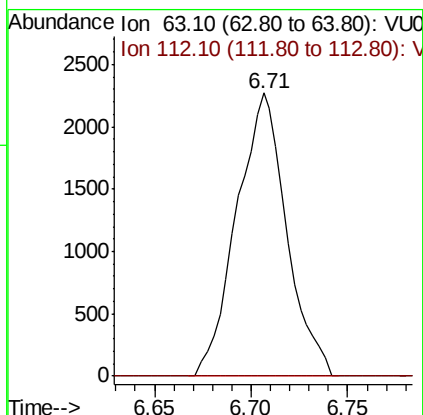
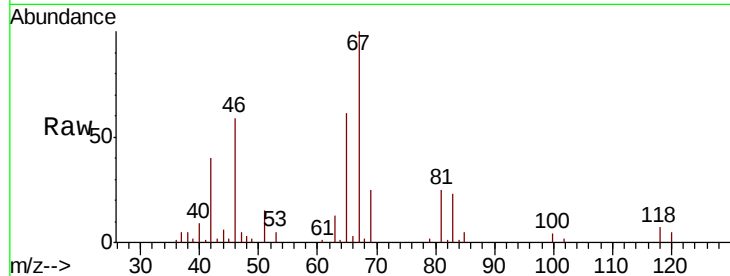




#37  
 1,2-Dichloropropane  
 Concen: 0.637 ug/L  
 RT: 6.71 min Scan# 1669  
 Delta R.T. -0.09 min  
 Lab File: VU039952.D  
 Acq: 24 Aug 2020 17:23

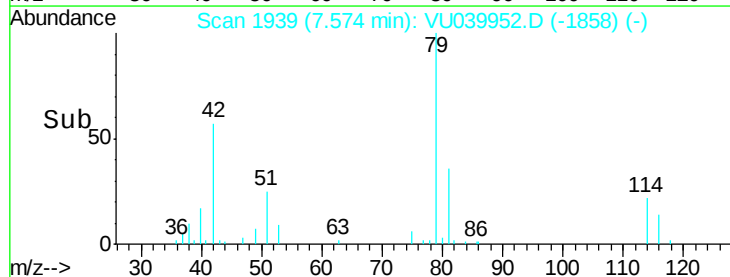
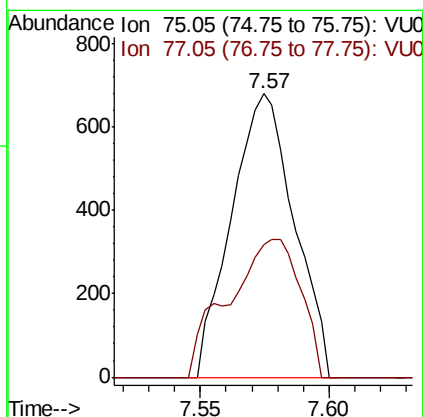
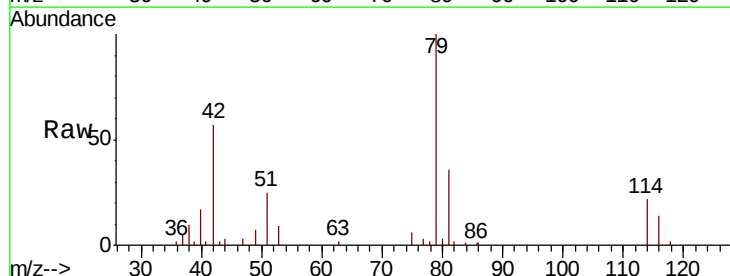
Instrument :  
 MSVOA\_U  
 ClientSampleId :

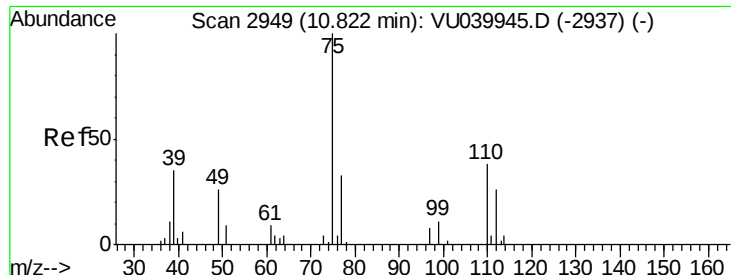
Tot Ion: 63 Resp: 4086  
 Ion Ratio Lower Upper  
 63 100  
 112 0.0 4.1 6.1#



#39  
 cis-1,3-Dichloropropene  
 Concen: 0.128 ug/L  
 RT: 7.57 min Scan# 1939  
 Delta R.T. -0.04 min  
 Lab File: VU039952.D  
 Acq: 24 Aug 2020 17:23

Tgt Ion: 75 Resp: 1150  
 Ion Ratio Lower Upper  
 75 100  
 77 46.8 22.6 42.0#





#59

1,2,3-Trichloropropane

Concen: 0.997 ug/L

RT: 11.81 min Scan# 3256

Delta R.T. 0.99 min

Lab File: VU039952.D

Acq: 24 Aug 2020 17:23

Instrument :

MSVOA\_U

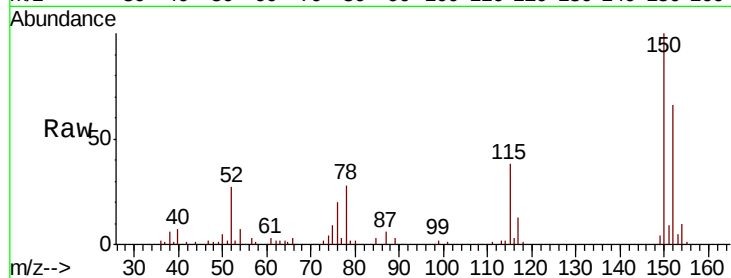
ClientSampleId :

Tot Ion: 75 Resp: 4585

Ion Ratio Lower Upper

75 100

77 39.9 27.4 41.2



Abundance Ion 75.00 (74.70 to 75.70): VU0

Ion 77.00 (76.70 to 77.70): VU0

