

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU033120\  
 Data File : VU037500.D  
 Acq On : 31 Mar 2020 15:32  
 Operator : JC/MD  
 Sample : VU0331WBL01  
 Misc : 25.0mL/MSVOA U/WATER  
 ALS Vial : 1 Sample Multiplier: 1

Instrument :  
 MSVOA\_U  
 ClientSampleId :

Quant Time: Apr 01 01:27:33 2020  
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_U\METHOD\SOMUTR033120WMA.M  
 Quant Title : TRACE VOA SOM01.0  
 QLast Update : Wed Apr 01 01:25:39 2020  
 Response via : Initial Calibration

| Internal Standards         | R.T.  | QIon | Response | Conc | Units | Dev(Min) |
|----------------------------|-------|------|----------|------|-------|----------|
| 1) 1,4-Difluorobenzene     | 6.28  | 114  | 89153    | 5.00 | ug/L  | 0.00     |
| 28) Chlorobenzene-d5       | 9.44  | 117  | 85486    | 5.00 | ug/L  | 0.00     |
| 60) 1,4-Dichlorobenzene-d4 | 11.83 | 152  | 42609    | 5.00 | ug/L  | 0.00     |

## System Monitoring Compounds

|                                |        |       |          |          |      |         |
|--------------------------------|--------|-------|----------|----------|------|---------|
| 4) Vinyl Chloride-d3           | 1.61   | 65    | 32860    | 5.08     | ug/L | 0.00    |
| Spiked Amount                  | 5.000  | Range | 40 - 130 | Recovery | =    | 101.60% |
| 7) Chloroethane-d5             | 1.93   | 69    | 28053    | 4.96     | ug/L | 0.00    |
| Spiked Amount                  | 5.000  | Range | 65 - 130 | Recovery | =    | 99.20%  |
| 11) 1,1-Dichloroethene-d2      | 2.59   | 63    | 48211    | 3.79     | ug/L | 0.00    |
| Spiked Amount                  | 5.000  | Range | 60 - 125 | Recovery | =    | 75.80%  |
| 20) 2-Butanone-d5              | 4.69   | 46    | 106170   | 52.93    | ug/L | 0.00    |
| Spiked Amount                  | 50.000 | Range | 40 - 130 | Recovery | =    | 105.86% |
| 24) Chloroform-d               | 5.11   | 84    | 61483    | 4.95     | ug/L | 0.00    |
| Spiked Amount                  | 5.000  | Range | 70 - 125 | Recovery | =    | 99.00%  |
| 26) 1,2-Dichloroethane-d4      | 5.74   | 65    | 34490    | 4.96     | ug/L | 0.00    |
| Spiked Amount                  | 5.000  | Range | 70 - 130 | Recovery | =    | 99.20%  |
| 32) Benzene-d6                 | 5.76   | 84    | 122961   | 4.91     | ug/L | 0.00    |
| Spiked Amount                  | 5.000  | Range | 70 - 125 | Recovery | =    | 98.20%  |
| 36) 1,2-Dichloropropane-d6     | 6.73   | 67    | 41029    | 5.01     | ug/L | 0.00    |
| Spiked Amount                  | 5.000  | Range | 60 - 140 | Recovery | =    | 100.20% |
| 41) Toluene-d8                 | 7.93   | 98    | 112943   | 4.89     | ug/L | 0.00    |
| Spiked Amount                  | 5.000  | Range | 70 - 130 | Recovery | =    | 97.80%  |
| 43) trans-1,3-Dichloropropene- | 8.20   | 79    | 17596    | 4.81     | ug/L | 0.00    |
| Spiked Amount                  | 5.000  | Range | 55 - 130 | Recovery | =    | 96.20%  |
| 46) 2-Hexanone-d5              | 8.66   | 63    | 88292    | 52.08    | ug/L | 0.00    |
| Spiked Amount                  | 50.000 | Range | 45 - 130 | Recovery | =    | 104.16% |
| 57) 1,1,2,2-Tetrachloroethane- | 10.77  | 84    | 35044    | 5.13     | ug/L | 0.00    |
| Spiked Amount                  | 5.000  | Range | 65 - 120 | Recovery | =    | 102.60% |
| 64) 1,2-Dichlorobenzene-d4     | 12.21  | 152   | 39984    | 4.85     | ug/L | 0.00    |
| Spiked Amount                  | 5.000  | Range | 80 - 120 | Recovery | =    | 97.00%  |

## Target Compounds

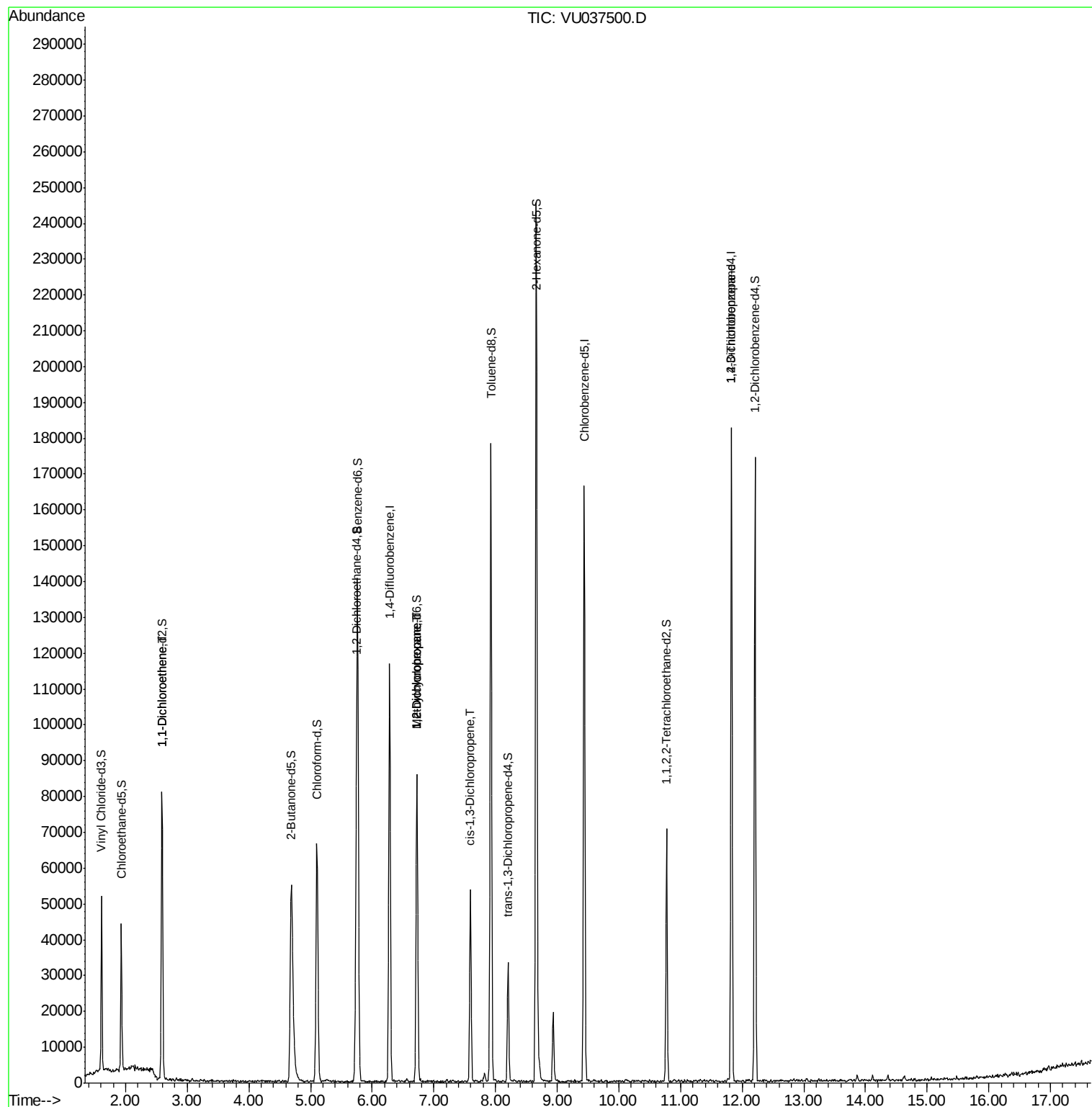
|                             |       |    |      | Ovalue |           |
|-----------------------------|-------|----|------|--------|-----------|
| 12) 1,1-Dichloroethene      | 2.59  | 96 | 418  | 0.070  | ug/L # 1  |
| 35) Methylcyclohexane       | 6.73  | 83 | 9121 | 0.786  | ug/L # 19 |
| 37) 1,2-Dichloropropane     | 6.73  | 63 | 4500 | 0.638  | ug/L # 89 |
| 39) cis-1,3-Dichloropropene | 7.59  | 75 | 1350 | 0.123  | ug/L # 46 |
| 59) 1,2,3-Trichloropropane  | 11.83 | 75 | 6108 | 1.259  | ug/L 93   |

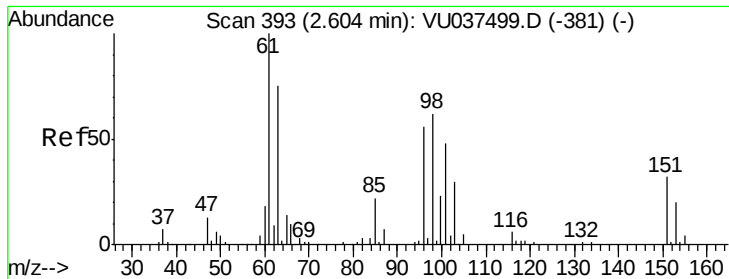
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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MSVOA\_U  
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Quant Time: Apr 01 01:27:33 2020  
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA\_U\METHOD\SOMUTR033120WMA.M  
Quant Title : TRACE VOA SOM01.0  
QLast Update : Wed Apr 01 01:25:39 2020  
Response via : Initial Calibration





#12

1,1-Dichloroethene

Concen: 0.070 ug/L

RT: 2.59 min Scan# 389

Delta R.T. -0.01 min

Lab File: VU037500.D

Acq: 31 Mar 2020 15:32

Instrument :

MSVOA\_U

ClientSampleId :

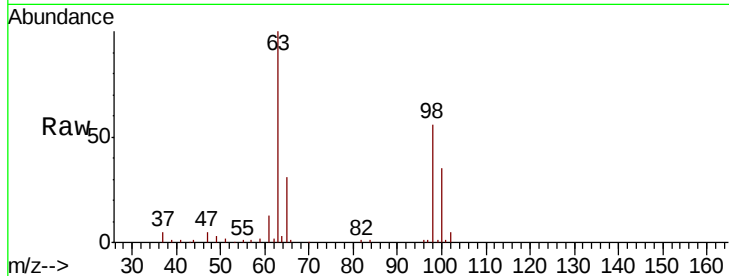
Tot Ion: 96 Resp: 418

Ion Ratio Lower Upper

96 100

61 1447.9 116.2 215.8#

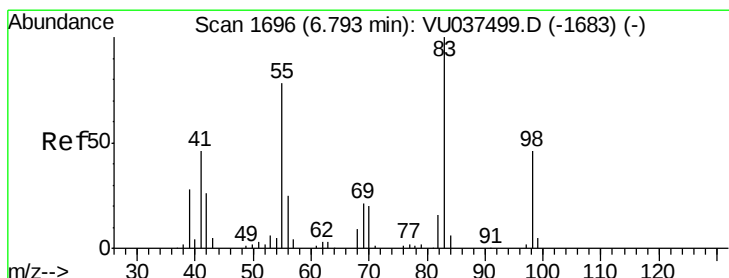
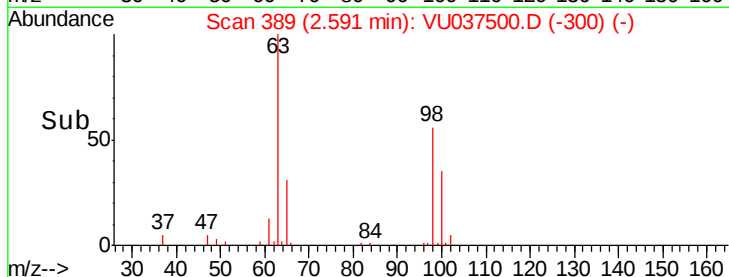
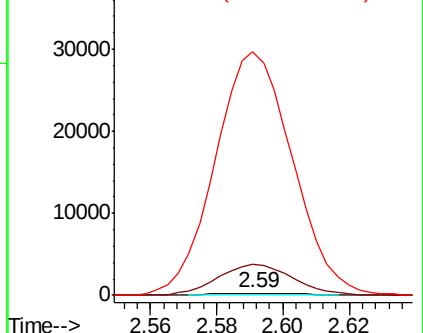
63 11371.6 79.2 147.0#



Abundance Ion 96.00 (95.70 to 96.70): VU037499.D (-381) (-)

Ion 61.05 (60.75 to 61.75): VU037499.D (-381) (-)

Ion 63.00 (62.70 to 63.70): VU037499.D (-381) (-)



#35

Methylcyclohexane

Concen: 0.786 ug/L

RT: 6.73 min Scan# 1675

Delta R.T. -0.07 min

Lab File: VU037500.D

Acq: 31 Mar 2020 15:32

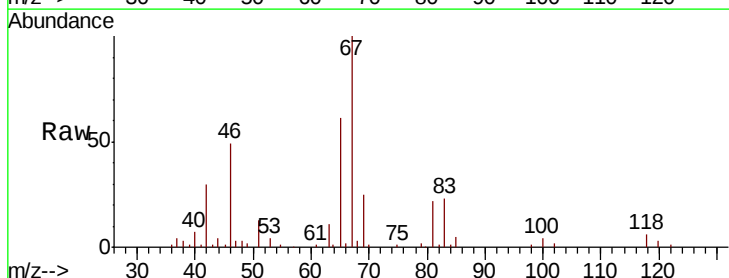
Tgt Ion: 83 Resp: 9121

Ion Ratio Lower Upper

83 100

55 2.8 64.4 96.6#

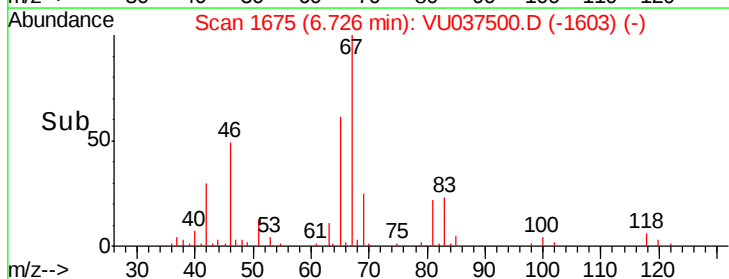
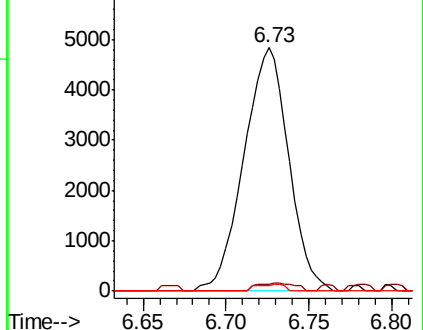
98 1.7 38.2 57.2#

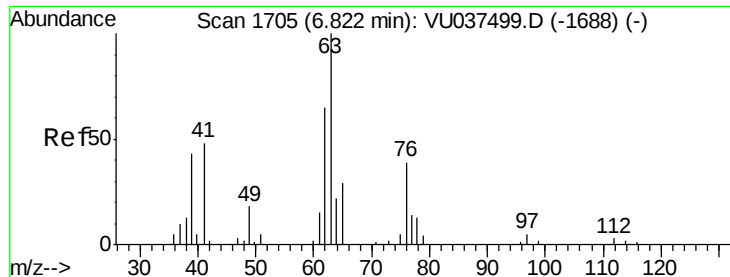


Abundance Ion 83.15 (82.85 to 83.85): VU037499.D (-1683) (-)

Ion 55.10 (54.80 to 55.80): VU037499.D (-1683) (-)

Ion 98.15 (97.85 to 98.85): VU037499.D (-1683) (-)

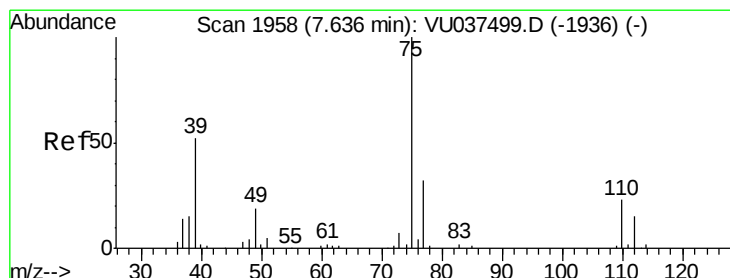
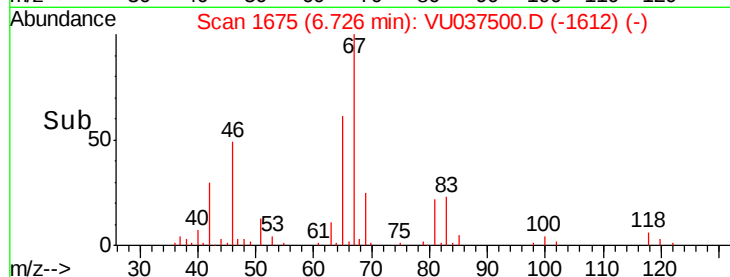
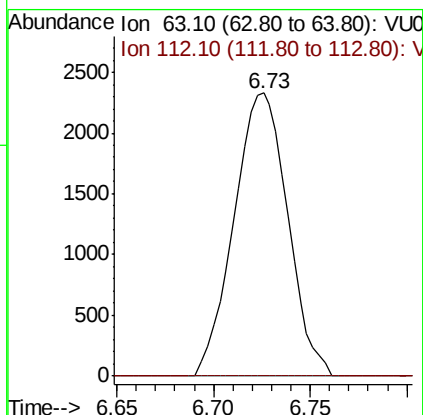
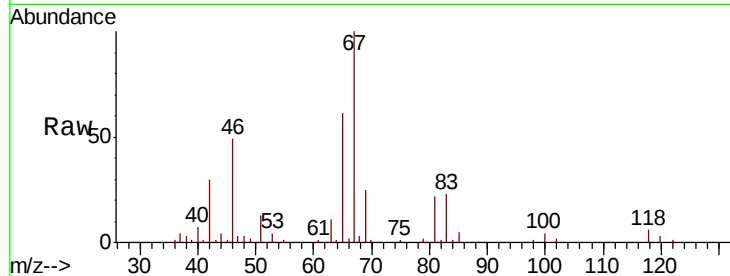




#37  
 1,2-Dichloropropane  
 Concen: 0.638 ug/L  
 RT: 6.73 min Scan# 1675  
 Delta R.T. -0.10 min  
 Lab File: VU037500.D  
 Acq: 31 Mar 2020 15:32

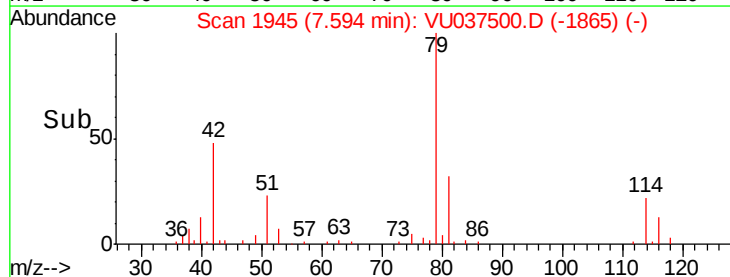
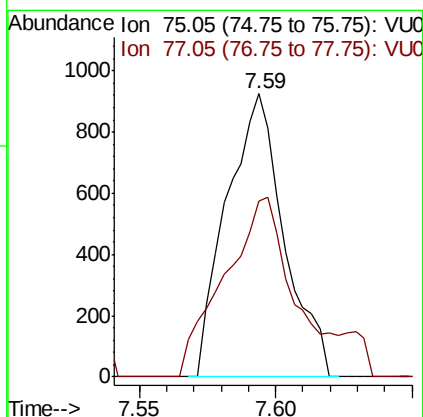
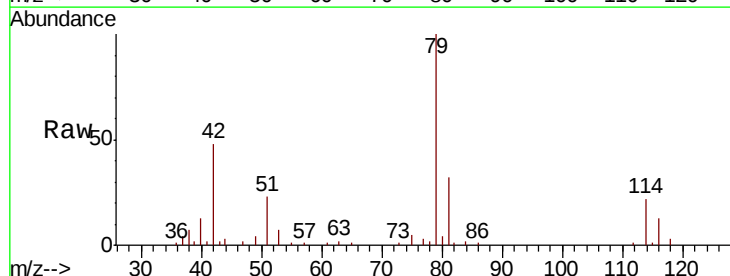
Instrument :  
 MSVOA\_U  
 ClientSampled :

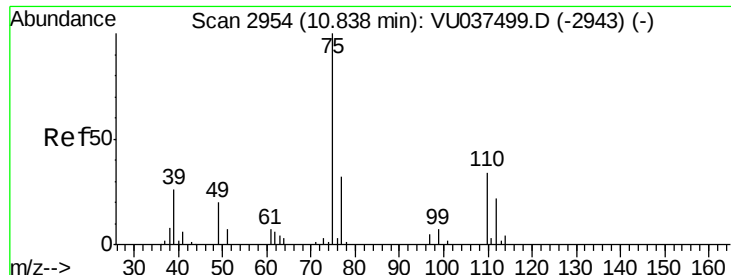
Tot Ion: 63 Resp: 4500  
 Ion Ratio Lower Upper  
 63 100  
 112 0.0 2.8 4.2#



#39  
 cis-1,3-Dichloropropene  
 Concen: 0.123 ug/L  
 RT: 7.59 min Scan# 1945  
 Delta R.T. -0.04 min  
 Lab File: VU037500.D  
 Acq: 31 Mar 2020 15:32

Tgt Ion: 75 Resp: 1350  
 Ion Ratio Lower Upper  
 75 100  
 77 62.3 22.4 41.6#





#59

1,2,3-Trichloropropane

Concen: 1.259 ug/L

RT: 11.83 min Scan# 3261

Delta R.T. 0.99 min

Lab File: VU037500.D

Acq: 31 Mar 2020 15:32

Instrument :

MSVOA\_U

ClientSampleId :

Tot Ion: 75 Resp: 6108

Ion Ratio Lower Upper

75 100

77 36.9 26.2 39.2

