

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU032020\  
 Data File : VU037357.D  
 Acq On : 20 Mar 2020 20:36  
 Operator : JC/MD  
 Sample : L1983-06  
 Misc : 25.0mL/MSVOA U/WATER  
 ALS Vial : 16 Sample Multiplier: 1

Instrument :  
 MSVOA\_U  
 ClientSampleId :

Quant Time: Mar 21 00:42:53 2020  
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_U\METHOD\SOMUTR032020WMA.M  
 Quant Title : TRACE VOA SOM01.0  
 QLast Update : Sat Mar 21 00:40:26 2020  
 Response via : Initial Calibration

| Internal Standards         | R.T.  | QIon | Response | Conc | Units | Dev(Min) |
|----------------------------|-------|------|----------|------|-------|----------|
| 1) 1,4-Difluorobenzene     | 6.28  | 114  | 145032   | 5.00 | ug/L  | 0.00     |
| 28) Chlorobenzene-d5       | 9.44  | 117  | 141089   | 5.00 | ug/L  | 0.00     |
| 60) 1,4-Dichlorobenzene-d4 | 11.83 | 152  | 62744    | 5.00 | ug/L  | 0.00     |

## System Monitoring Compounds

|                                |        |       |          |          |      |         |
|--------------------------------|--------|-------|----------|----------|------|---------|
| 4) Vinyl Chloride-d3           | 1.61   | 65    | 45767    | 4.77     | ug/L | 0.00    |
| Spiked Amount                  | 5.000  | Range | 40 - 130 | Recovery | =    | 95.40%  |
| 7) Chloroethane-d5             | 1.93   | 69    | 37894    | 4.80     | ug/L | 0.00    |
| Spiked Amount                  | 5.000  | Range | 65 - 130 | Recovery | =    | 96.00%  |
| 11) 1,1-Dichloroethene-d2      | 2.59   | 63    | 62124    | 3.30     | ug/L | 0.00    |
| Spiked Amount                  | 5.000  | Range | 60 - 125 | Recovery | =    | 66.00%  |
| 20) 2-Butanone-d5              | 4.68   | 46    | 114810   | 50.30    | ug/L | 0.00    |
| Spiked Amount                  | 50.000 | Range | 40 - 130 | Recovery | =    | 100.60% |
| 24) Chloroform-d               | 5.10   | 84    | 93607    | 4.78     | ug/L | 0.00    |
| Spiked Amount                  | 5.000  | Range | 70 - 125 | Recovery | =    | 95.60%  |
| 26) 1,2-Dichloroethane-d4      | 5.74   | 65    | 54836    | 4.82     | ug/L | 0.00    |
| Spiked Amount                  | 5.000  | Range | 70 - 130 | Recovery | =    | 96.40%  |
| 32) Benzene-d6                 | 5.76   | 84    | 170128   | 4.97     | ug/L | 0.00    |
| Spiked Amount                  | 5.000  | Range | 70 - 125 | Recovery | =    | 99.40%  |
| 36) 1,2-Dichloropropane-d6     | 6.72   | 67    | 54102    | 5.01     | ug/L | 0.00    |
| Spiked Amount                  | 5.000  | Range | 60 - 140 | Recovery | =    | 100.20% |
| 41) Toluene-d8                 | 7.93   | 98    | 155307   | 4.57     | ug/L | 0.00    |
| Spiked Amount                  | 5.000  | Range | 70 - 130 | Recovery | =    | 91.40%  |
| 43) trans-1,3-Dichloropropene- | 8.20   | 79    | 23695    | 4.81     | ug/L | 0.00    |
| Spiked Amount                  | 5.000  | Range | 55 - 130 | Recovery | =    | 96.20%  |
| 46) 2-Hexanone-d5              | 8.66   | 63    | 93094    | 50.58    | ug/L | 0.00    |
| Spiked Amount                  | 50.000 | Range | 45 - 130 | Recovery | =    | 101.16% |
| 57) 1,1,2,2-Tetrachloroethane- | 10.77  | 84    | 43440    | 4.81     | ug/L | 0.00    |
| Spiked Amount                  | 5.000  | Range | 65 - 120 | Recovery | =    | 96.20%  |
| 64) 1,2-Dichlorobenzene-d4     | 12.21  | 152   | 57698    | 5.01     | ug/L | 0.00    |
| Spiked Amount                  | 5.000  | Range | 80 - 120 | Recovery | =    | 100.20% |

## Target Compounds

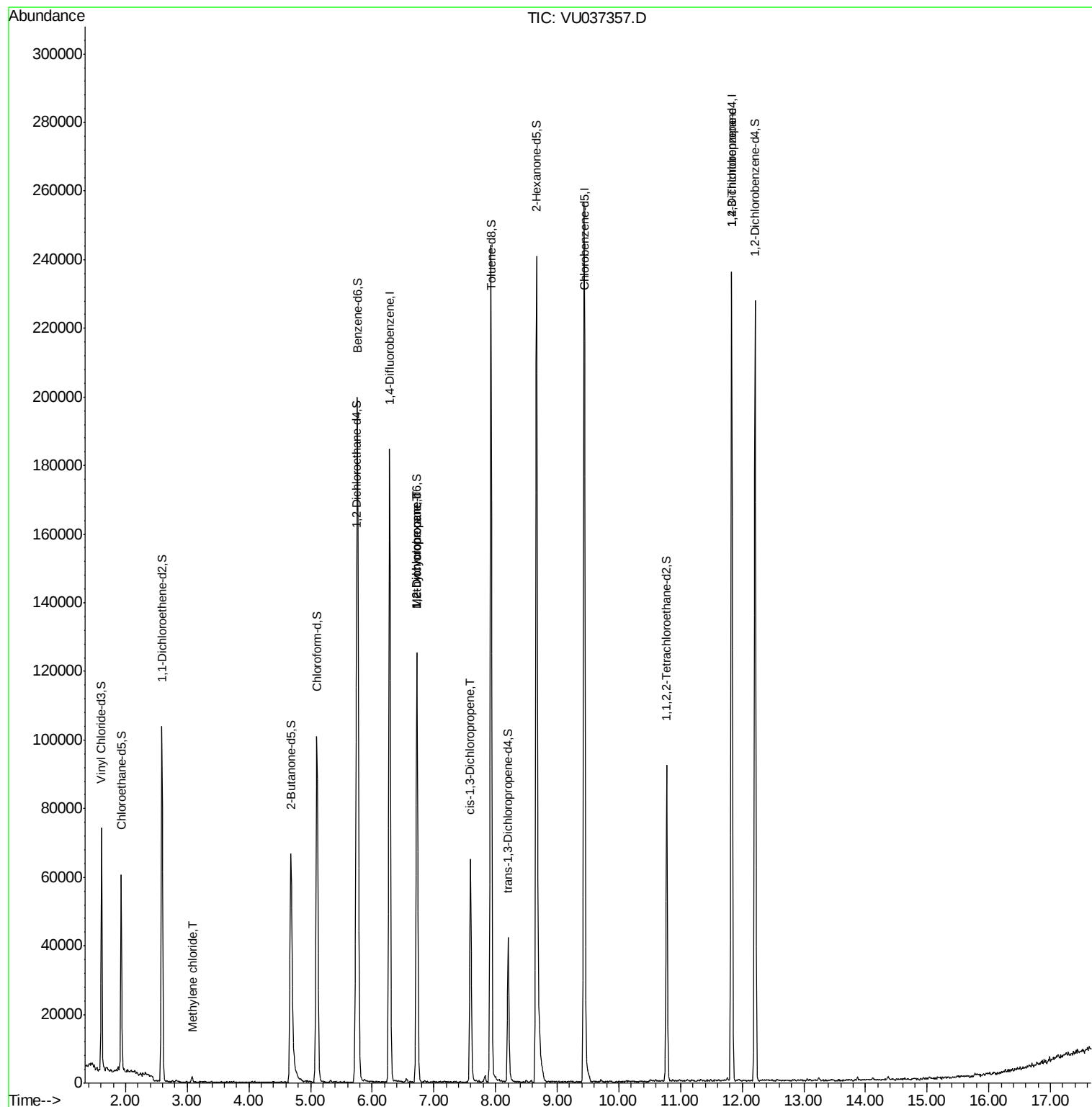
|                             |       |    |       |              | Ovalue |
|-----------------------------|-------|----|-------|--------------|--------|
| 16) Methylene chloride      | 3.08  | 84 | 712   | 0.069 ug/L   | 94     |
| 35) Methylcyclohexane       | 6.73  | 83 | 13714 | 0.835 ug/L # | 16     |
| 37) 1,2-Dichloropropane     | 6.72  | 63 | 6772  | 0.641 ug/L # | 88     |
| 39) cis-1,3-Dichloropropene | 7.59  | 75 | 2026  | 0.129 ug/L # | 66     |
| 59) 1,2,3-Trichloropropane  | 11.83 | 75 | 8160  | 1.152 ug/L   | 93     |

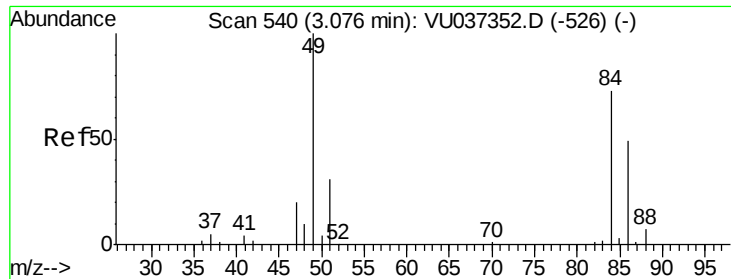
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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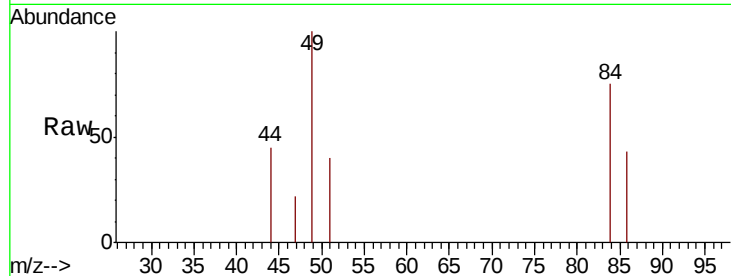




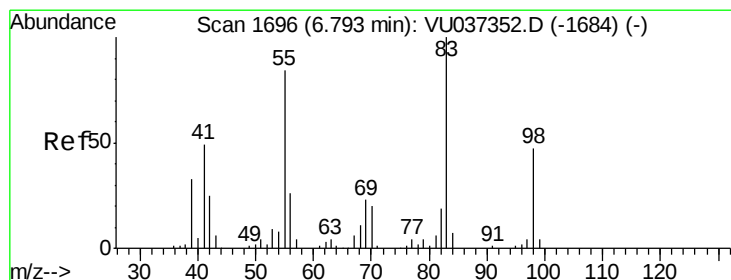
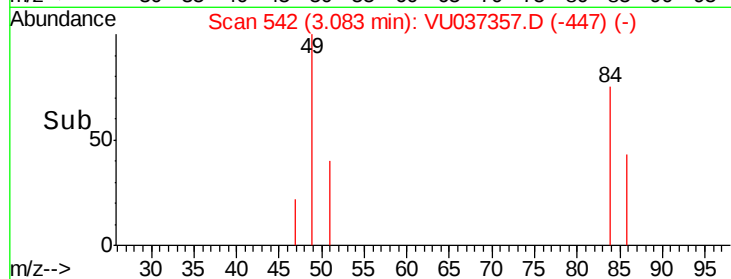
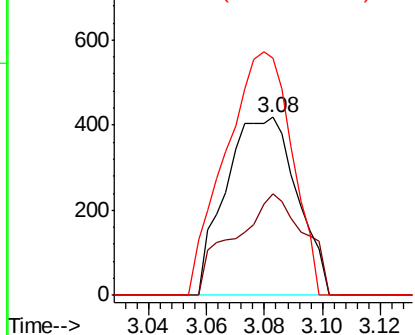
#16  
Methylene chloride  
Concen: 0.069 ug/L  
RT: 3.08 min Scan# 542  
Delta R.T. 0.01 min  
Lab File: VU037357.D  
Acq: 20 Mar 2020 20:36

Instrument :  
MSVOA\_U  
ClientSampleId :

Tot Ion: 84 Resp: 712  
Ion Ratio Lower Upper  
84 100  
86 56.8 46.8 87.0  
49 132.7 95.4 177.2

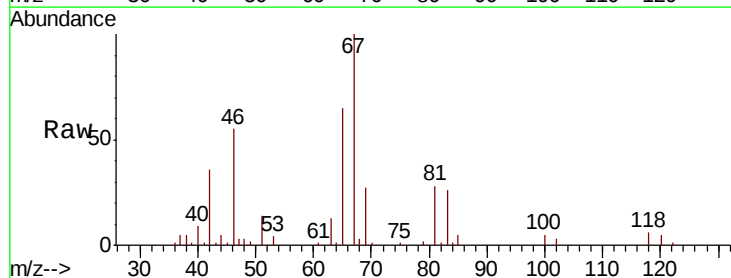


Abundance Ion 84.05 (83.75 to 84.75): VU0  
Ion 86.00 (85.70 to 86.70): VU0  
Ion 49.10 (48.80 to 49.80): VU0

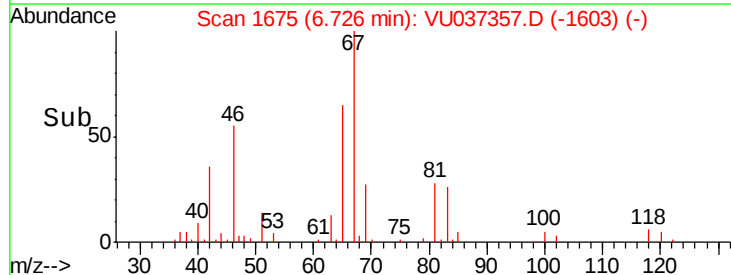
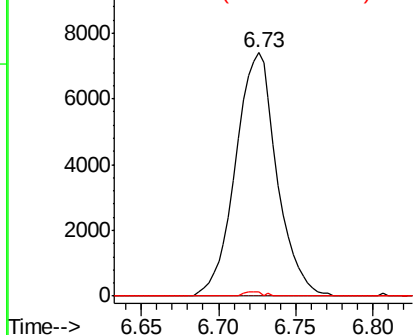


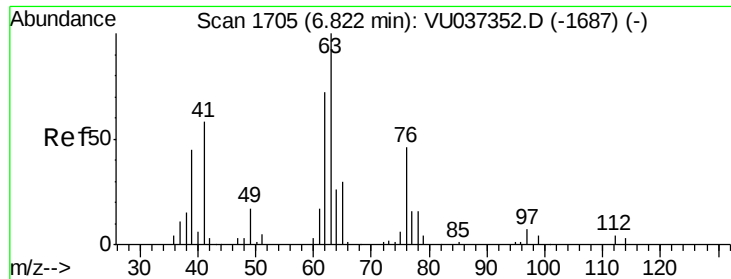
#35  
Methylcyclohexane  
Concen: 0.835 ug/L  
RT: 6.73 min Scan# 1675  
Delta R.T. -0.07 min  
Lab File: VU037357.D  
Acq: 20 Mar 2020 20:36

Tgt Ion: 83 Resp: 13714  
Ion Ratio Lower Upper  
83 100  
55 0.0 65.9 98.9#  
98 0.8 37.6 56.4#



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

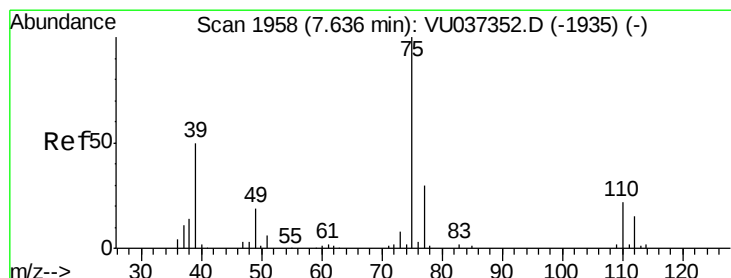
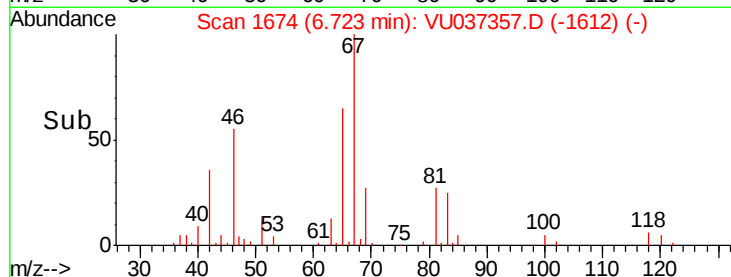
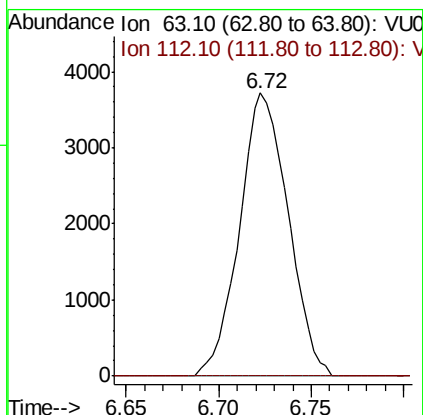
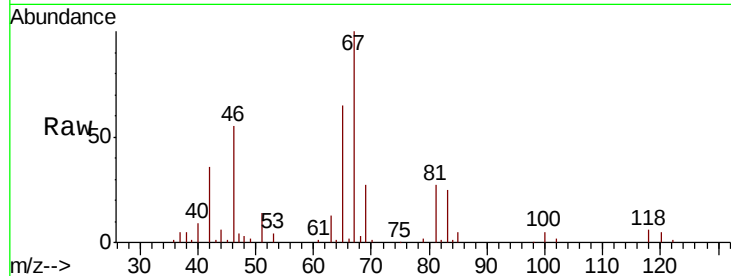




#37  
 1,2-Dichloropropane  
 Concen: 0.641 ug/L  
 RT: 6.72 min Scan# 1674  
 Delta R.T. -0.10 min  
 Lab File: VU037357.D  
 Acq: 20 Mar 2020 20:36

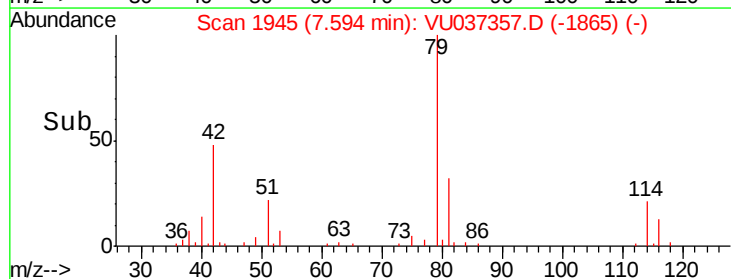
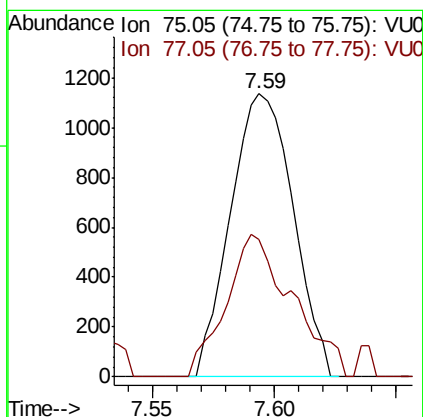
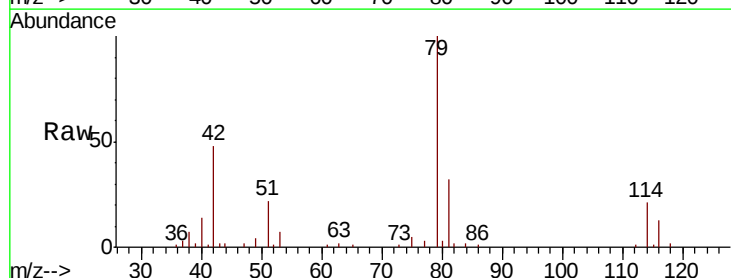
Instrument :  
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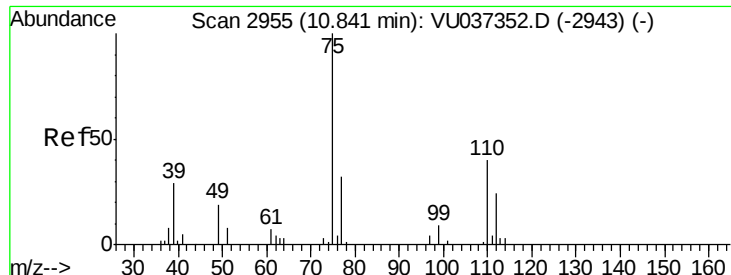
Tot Ion: 63 Resp: 6772  
 Ion Ratio Lower Upper  
 63 100  
 112 0.0 3.0 4.6#



#39  
 cis-1,3-Dichloropropene  
 Concen: 0.129 ug/L  
 RT: 7.59 min Scan# 1945  
 Delta R.T. -0.04 min  
 Lab File: VU037357.D  
 Acq: 20 Mar 2020 20:36

Tgt Ion: 75 Resp: 2026  
 Ion Ratio Lower Upper  
 75 100  
 77 48.5 21.2 39.4#





#59  
 1,2,3-Trichloropropane  
 Concen: 1.152 ug/L  
 RT: 11.83 min Scan# 3262  
 Delta R.T. 0.99 min  
 Lab File: VU037357.D  
 Acq: 20 Mar 2020 20:36

Instrument :  
 MSVOA\_U  
 ClientSampleId :

Tot Ion: 75 Resp: 8160  
 Ion Ratio Lower Upper  
 75 100  
 77 36.5 26.0 39.0

