

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\U062620\  
 Data File : VU039161.D  
 Acq On : 26 Jun 2020 13:43  
 Operator : SY/MD  
 Sample : VIBLK  
 Misc : 25.0mL/MSVOA U/WATER  
 ALS Vial : 1 Sample Multiplier: 1

Instrument :  
 MSVOA\_U  
 ClientSampleId :  
 VIBLK

Quant Time: Jun 26 23:55:13 2020  
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_U\METHOD\SOMUTR062320WMA.M  
 Quant Title : TRACE VOA SOM01.0  
 QLast Update : Fri Jun 26 23:52:58 2020  
 Response via : Initial Calibration

| Internal Standards         | R.T.  | QIon | Response | Conc | Units | Dev(Min) |
|----------------------------|-------|------|----------|------|-------|----------|
| 1) 1,4-Difluorobenzene     | 6.28  | 114  | 246493   | 5.00 | ug/L  | 0.00     |
| 28) Chlorobenzene-d5       | 9.44  | 117  | 256542   | 5.00 | ug/L  | 0.00     |
| 60) 1,4-Dichlorobenzene-d4 | 11.82 | 152  | 108641   | 5.00 | ug/L  | 0.00     |

## System Monitoring Compounds

|                                |        |       |          |          |      |        |
|--------------------------------|--------|-------|----------|----------|------|--------|
| 4) Vinyl Chloride-d3           | 1.61   | 65    | 65597    | 3.63     | ug/L | 0.00   |
| Spiked Amount                  | 5.000  | Range | 40 - 130 | Recovery | =    | 72.60% |
| 7) Chloroethane-d5             | 1.93   | 69    | 64013    | 4.29     | ug/L | 0.00   |
| Spiked Amount                  | 5.000  | Range | 65 - 130 | Recovery | =    | 85.80% |
| 11) 1,1-Dichloroethene-d2      | 2.59   | 63    | 104150   | 3.00     | ug/L | 0.00   |
| Spiked Amount                  | 5.000  | Range | 60 - 125 | Recovery | =    | 60.00% |
| 20) 2-Butanone-d5              | 4.68   | 46    | 311139   | 47.76    | ug/L | 0.00   |
| Spiked Amount                  | 50.000 | Range | 40 - 130 | Recovery | =    | 95.52% |
| 24) Chloroform-d               | 5.10   | 84    | 154845   | 4.36     | ug/L | 0.00   |
| Spiked Amount                  | 5.000  | Range | 70 - 125 | Recovery | =    | 87.20% |
| 26) 1,2-Dichloroethane-d4      | 5.74   | 65    | 95827    | 4.39     | ug/L | 0.00   |
| Spiked Amount                  | 5.000  | Range | 70 - 130 | Recovery | =    | 87.80% |
| 32) Benzene-d6                 | 5.76   | 84    | 284120   | 3.99     | ug/L | 0.00   |
| Spiked Amount                  | 5.000  | Range | 70 - 125 | Recovery | =    | 79.80% |
| 36) 1,2-Dichloropropane-d6     | 6.72   | 67    | 99116    | 4.15     | ug/L | 0.00   |
| Spiked Amount                  | 5.000  | Range | 60 - 140 | Recovery | =    | 83.00% |
| 41) Toluene-d8                 | 7.92   | 98    | 216171   | 3.63     | ug/L | 0.00   |
| Spiked Amount                  | 5.000  | Range | 70 - 130 | Recovery | =    | 72.60% |
| 43) trans-1,3-Dichloropropene- | 8.20   | 79    | 36089    | 3.47     | ug/L | 0.00   |
| Spiked Amount                  | 5.000  | Range | 55 - 130 | Recovery | =    | 69.40% |
| 46) 2-Hexanone-d5              | 8.65   | 63    | 238196   | 44.42    | ug/L | 0.00   |
| Spiked Amount                  | 50.000 | Range | 45 - 130 | Recovery | =    | 88.84% |
| 57) 1,1,2,2-Tetrachloroethane- | 10.77  | 84    | 87580    | 3.94     | ug/L | 0.00   |
| Spiked Amount                  | 5.000  | Range | 65 - 120 | Recovery | =    | 78.80% |
| 64) 1,2-Dichlorobenzene-d4     | 12.20  | 152   | 89637    | 4.43     | ug/L | 0.00   |
| Spiked Amount                  | 5.000  | Range | 80 - 120 | Recovery | =    | 88.60% |

## Target Compounds

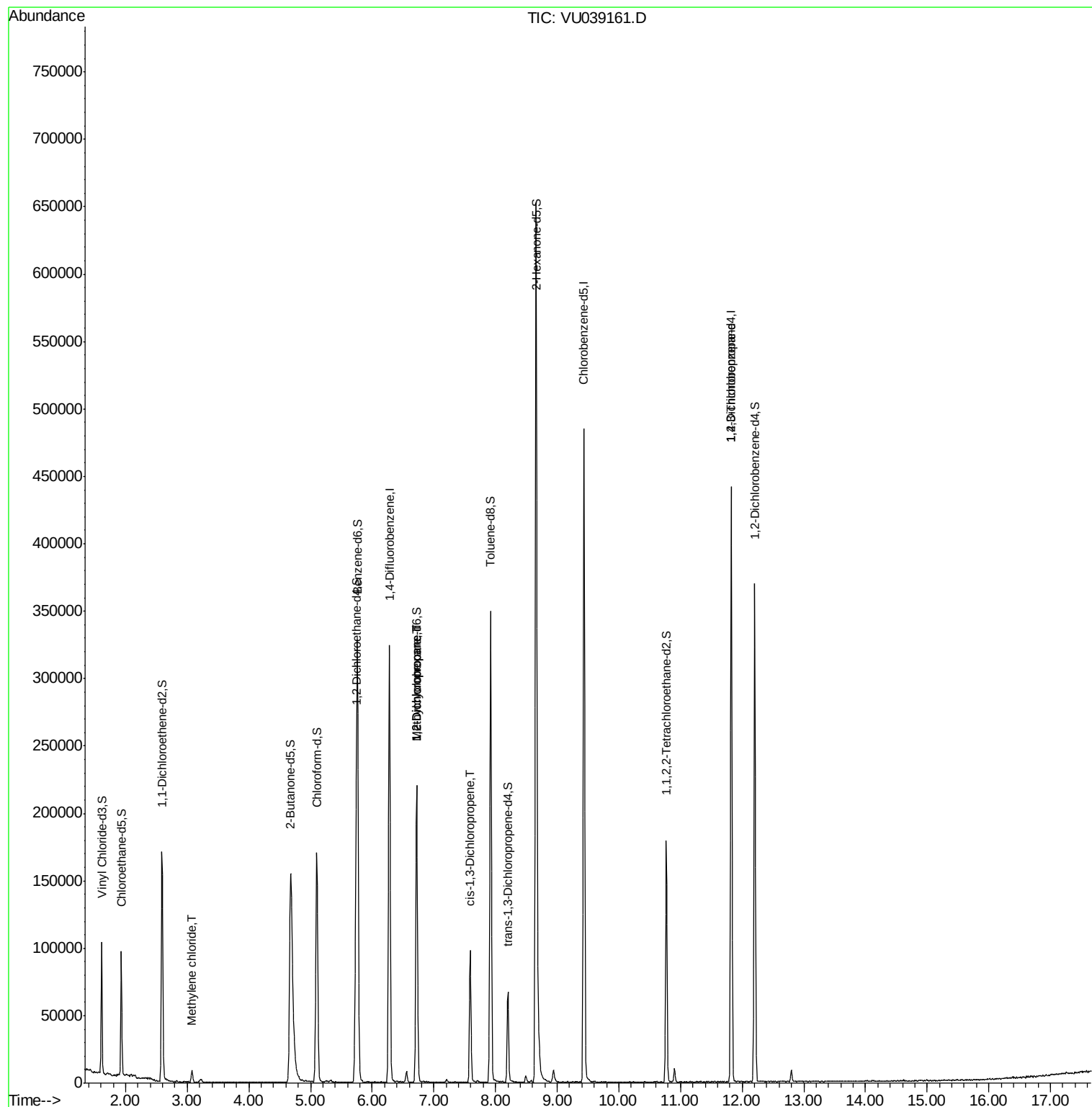
| Target Compounds            | R.T.  | QIon | Response | Conc  | Units  | Ovalue |
|-----------------------------|-------|------|----------|-------|--------|--------|
| 16) Methylene chloride      | 3.07  | 84   | 3841     | 0.182 | ug/L   | 89     |
| 35) Methylcyclohexane       | 6.72  | 83   | 23563    | 0.814 | ug/L # | 17     |
| 37) 1,2-Dichloropropane     | 6.72  | 63   | 11019    | 0.505 | ug/L # | 87     |
| 39) cis-1,3-Dichloropropene | 7.59  | 75   | 2627     | 0.087 | ug/L # | 49     |
| 59) 1,2,3-Trichloropropane  | 11.82 | 75   | 15568    | 0.946 | ug/L   | 94     |

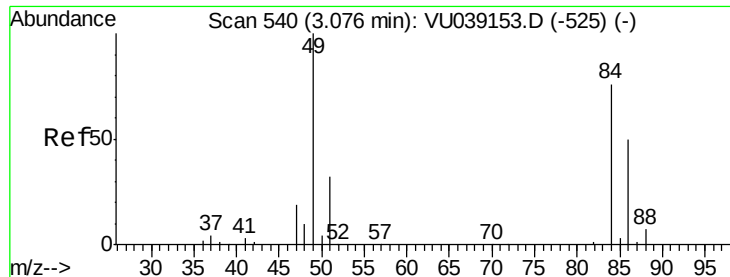
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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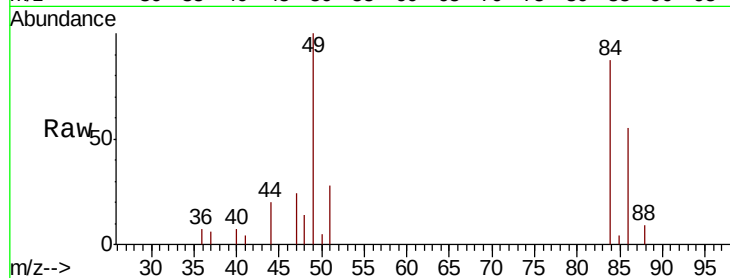




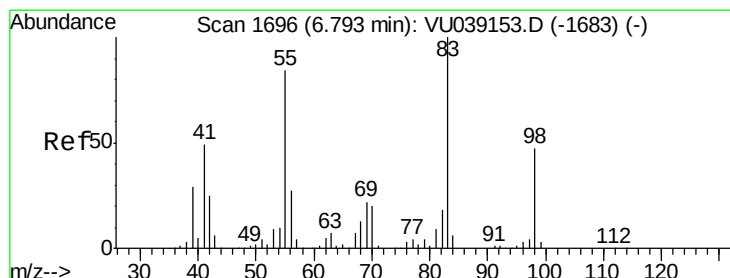
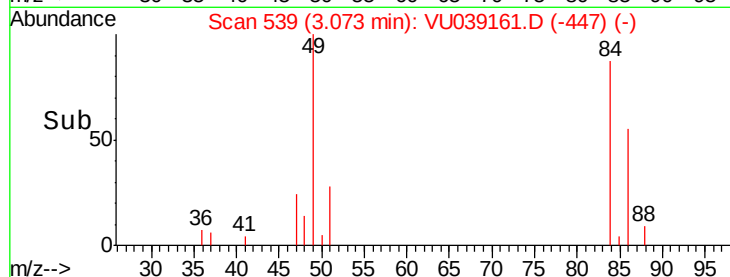
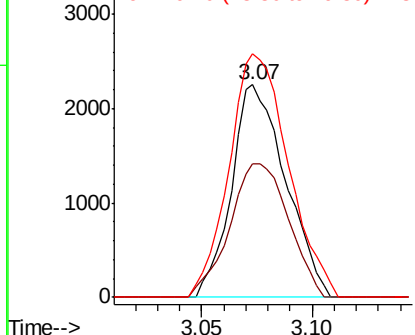
#16  
Methvlene chloride  
Concen: 0.182 ug/L  
RT: 3.07 min Scan# 539  
Delta R.T. -0.00 min  
Lab File: VU039161.D  
Acq: 26 Jun 2020 13:43

Instrument :  
MSVOA\_U  
ClientSampleId :  
VIBLK

Tot Ion: 84 Resp: 3841  
Ion Ratio Lower Upper  
84 100  
86 62.9 44.1 81.9  
49 114.6 93.1 172.9

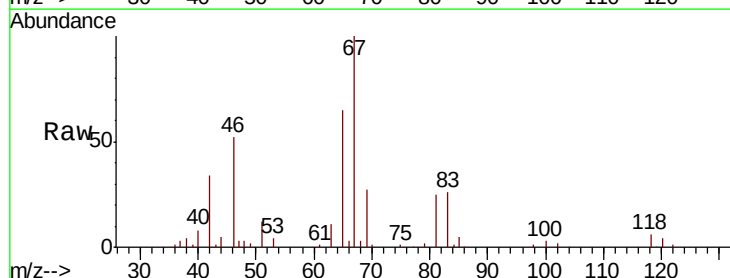


Abundance Ion 84.05 (83.75 to 84.75): VU0  
Ion 86.00 (85.70 to 86.70): VU0  
Ion 49.10 (48.80 to 49.80): VU0

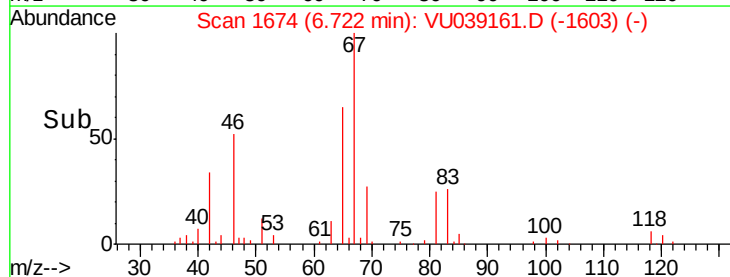
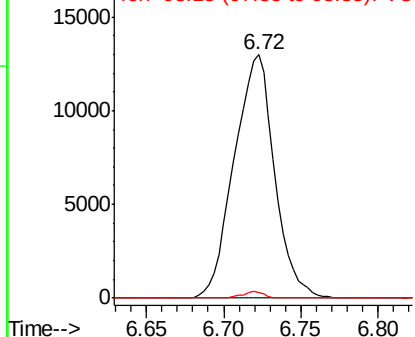


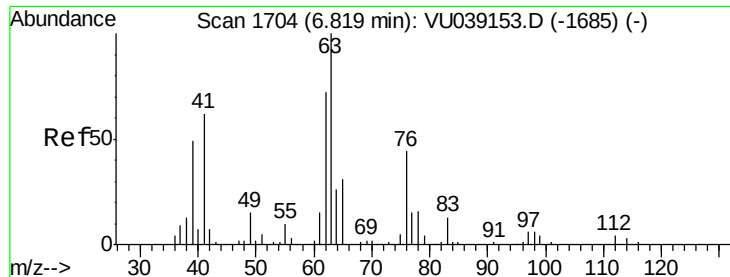
#35  
Methylcyclohexane  
Concen: 0.814 ug/L  
RT: 6.72 min Scan# 1674  
Delta R.T. -0.07 min  
Lab File: VU039161.D  
Acq: 26 Jun 2020 13:43

Tgt Ion: 83 Resp: 23563  
Ion Ratio Lower Upper  
83 100  
55 0.0 65.5 98.3#  
98 1.4 36.5 54.7#



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

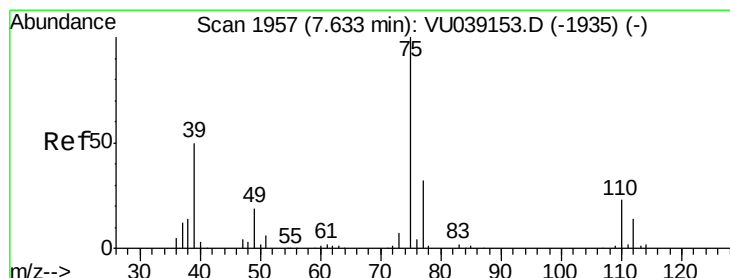
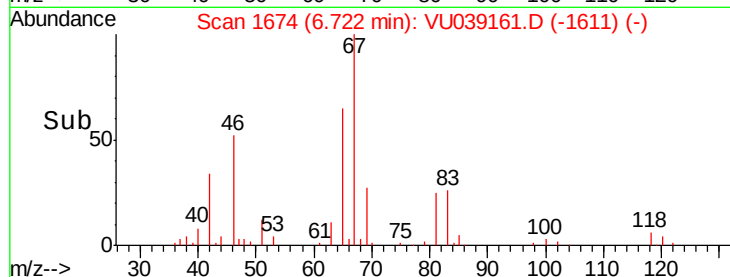
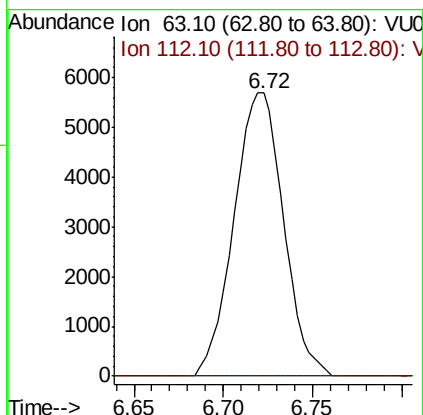
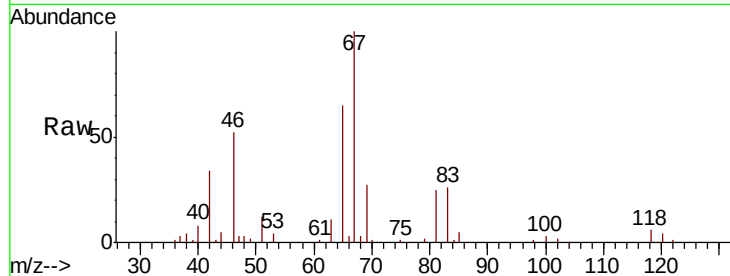




#37  
 1,2-Dichloropropane  
 Concen: 0.505 ug/L  
 RT: 6.72 min Scan# 1674  
 Delta R.T. -0.10 min  
 Lab File: VU039161.D  
 Acq: 26 Jun 2020 13:43

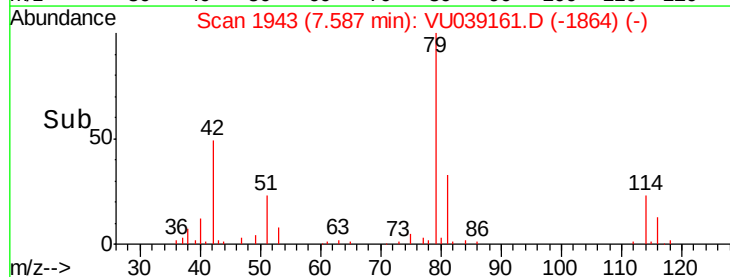
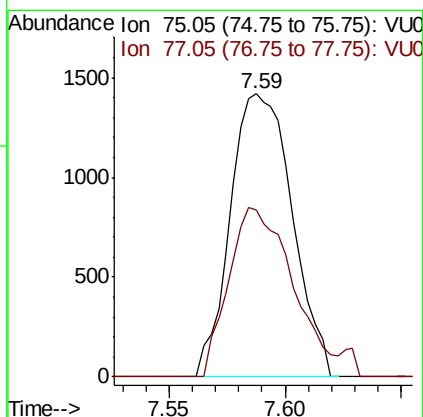
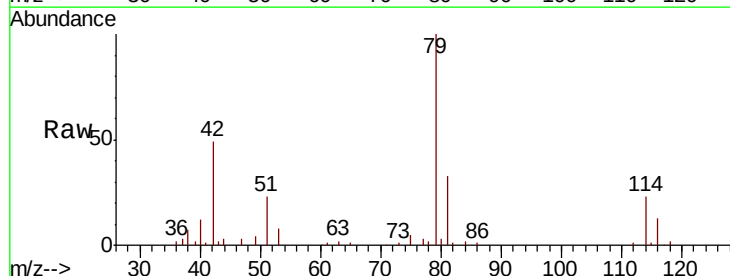
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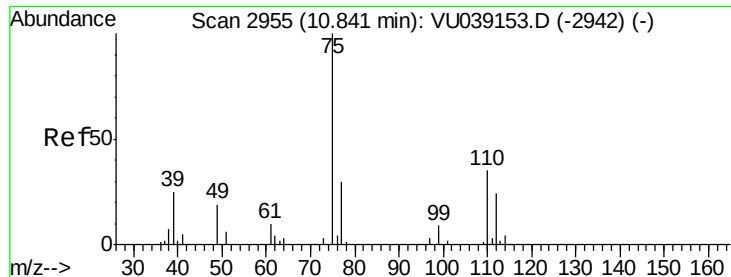
Tot Ion: 63 Resp: 11019  
 Ion Ratio Lower Upper  
 63 100  
 112 0.0 3.4 5.2#



#39  
 cis-1,3-Dichloropropene  
 Concen: 0.087 ug/L  
 RT: 7.59 min Scan# 1943  
 Delta R.T. -0.05 min  
 Lab File: VU039161.D  
 Acq: 26 Jun 2020 13:43

Tgt Ion: 75 Resp: 2627  
 Ion Ratio Lower Upper  
 75 100  
 77 59.0 21.6 40.0#





#59

1,2,3-Trichloropropane

Concen: 0.946 ug/L

RT: 11.82 min Scan# 3260

Delta R.T. 0.98 min

Lab File: VU039161.D

Acq: 26 Jun 2020 13:43

Instrument :

MSVOA\_U

ClientSampleId :

VIBLK

Tot Ion: 75 Resp: 15568

Ion Ratio Lower Upper

75 100

77 36.2 26.2 39.2

