

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU072420\  
 Data File : VU039668.D  
 Acq On : 24 Jul 2020 16:55  
 Operator : SY/MD  
 Sample : L3422-10  
 Misc : 5.0mL/MSVOA U/WATER  
 ALS Vial : 15 Sample Multiplier: 1

Instrument :  
 MSVOA\_U  
 ClientSampleId :

Quant Time: Jul 25 06:50:41 2020  
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_U\METHOD\SOMULM072320WMA.M  
 Quant Title : VOC Analysis  
 QLast Update : Sat Jul 25 06:47:25 2020  
 Response via : Initial Calibration

| Internal Standards         | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|----------------------------|-------|------|----------|-------|-------|----------|
| 1) 1,4-Difluorobenzene     | 6.27  | 114  | 215412   | 50.00 | ug/L  | 0.00     |
| 28) Chlorobenzene-d5       | 9.42  | 117  | 203213   | 50.00 | ug/L  | 0.00     |
| 60) 1,4-Dichlorobenzene-d4 | 11.81 | 152  | 93965    | 50.00 | ug/L  | 0.00     |

## System Monitoring Compounds

|                                |         |       |          |          |      |        |
|--------------------------------|---------|-------|----------|----------|------|--------|
| 4) Vinyl Chloride-d3           | 1.61    | 65    | 50675    | 36.13    | ug/L | 0.00   |
| Spiked Amount                  | 50.000  | Range | 60 - 135 | Recovery | =    | 72.26% |
| 7) Chloroethane-d5             | 1.92    | 69    | 60072    | 35.75    | ug/L | 0.00   |
| Spiked Amount                  | 50.000  | Range | 70 - 130 | Recovery | =    | 71.50% |
| 11) 1,1-Dichloroethene-d2      | 2.58    | 63    | 89340    | 30.10    | ug/L | 0.00   |
| Spiked Amount                  | 50.000  | Range | 60 - 125 | Recovery | =    | 60.20% |
| 21) 2-Butanone-d5              | 4.65    | 46    | 133899   | 82.71    | ug/L | 0.00   |
| Spiked Amount                  | 100.000 | Range | 40 - 130 | Recovery | =    | 82.71% |
| 24) Chloroform-d               | 5.09    | 84    | 127435   | 40.41    | ug/L | 0.00   |
| Spiked Amount                  | 50.000  | Range | 70 - 125 | Recovery | =    | 80.82% |
| 26) 1,2-Dichloroethane-d4      | 5.72    | 65    | 93659    | 41.56    | ug/L | 0.00   |
| Spiked Amount                  | 50.000  | Range | 70 - 125 | Recovery | =    | 83.12% |
| 32) Benzene-d6                 | 5.74    | 84    | 238833   | 42.33    | ug/L | 0.00   |
| Spiked Amount                  | 50.000  | Range | 70 - 125 | Recovery | =    | 84.66% |
| 36) 1,2-Dichloropropane-d6     | 6.71    | 67    | 80902    | 43.72    | ug/L | 0.00   |
| Spiked Amount                  | 50.000  | Range | 70 - 120 | Recovery | =    | 87.44% |
| 41) Toluene-d8                 | 7.91    | 98    | 219595   | 41.36    | ug/L | 0.00   |
| Spiked Amount                  | 50.000  | Range | 80 - 120 | Recovery | =    | 82.72% |
| 43) trans-1,3-Dichloropropene- | 8.19    | 79    | 36126    | 38.68    | ug/L | 0.00   |
| Spiked Amount                  | 50.000  | Range | 60 - 125 | Recovery | =    | 77.36% |
| 47) 2-Hexanone-d5              | 8.64    | 63    | 84867    | 84.08    | ug/L | 0.00   |
| Spiked Amount                  | 100.000 | Range | 45 - 130 | Recovery | =    | 84.08% |
| 57) 1,1,2,2-Tetrachloroethane- | 10.76   | 84    | 119699   | 40.85    | ug/L | 0.00   |
| Spiked Amount                  | 50.000  | Range | 65 - 120 | Recovery | =    | 81.70% |
| 64) 1,2-Dichlorobenzene-d4     | 12.19   | 152   | 89357    | 43.49    | ug/L | 0.00   |
| Spiked Amount                  | 50.000  | Range | 80 - 120 | Recovery | =    | 86.98% |

## Target Compounds

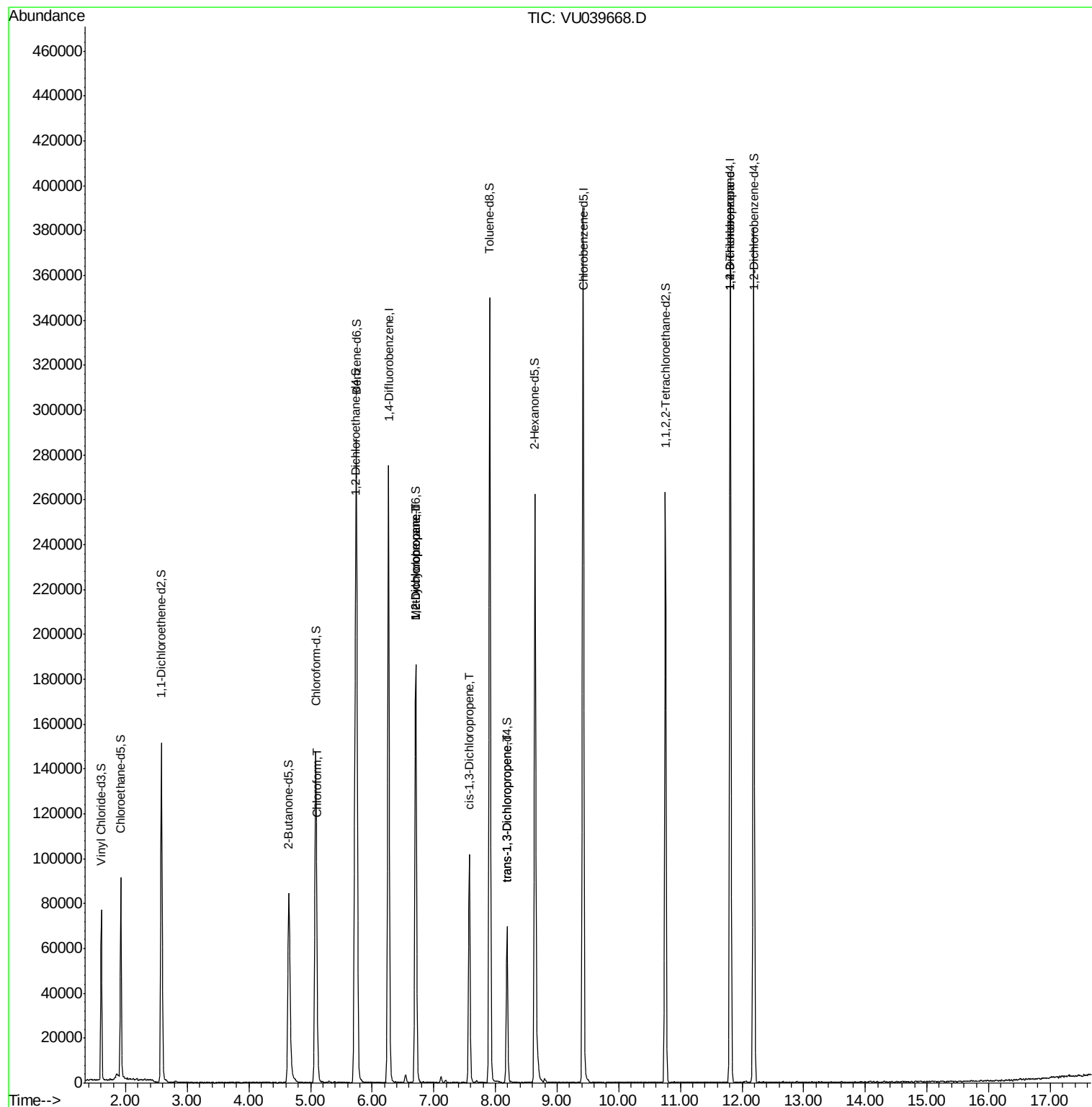
|                               |       |    |       |              | Ovalue |
|-------------------------------|-------|----|-------|--------------|--------|
| 25) Chloroform                | 5.11  | 83 | 9004  | 3.042 ug/L   | 99     |
| 35) Methylcyclohexane         | 6.70  | 83 | 19256 | 8.407 ug/L # | 18     |
| 37) 1,2-Dichloropropane       | 6.71  | 63 | 9863  | 6.505 ug/L # | 89     |
| 39) cis-1,3-Dichloropropene   | 7.58  | 75 | 3050  | 1.346 ug/L # | 74     |
| 44) trans-1,3-Dichloropropene | 8.19  | 75 | 2373  | 1.069 ug/L   | 84     |
| 59) 1,2,3-Trichloropropane    | 11.81 | 75 | 13419 | 6.099 ug/L # | 87     |

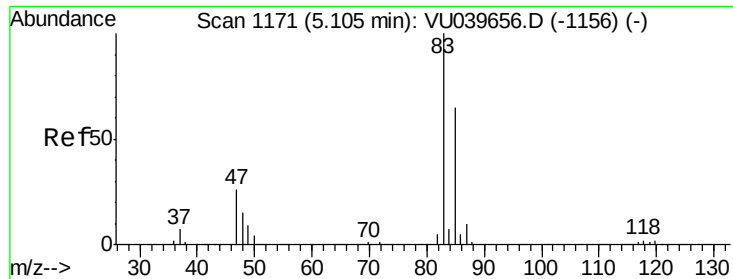
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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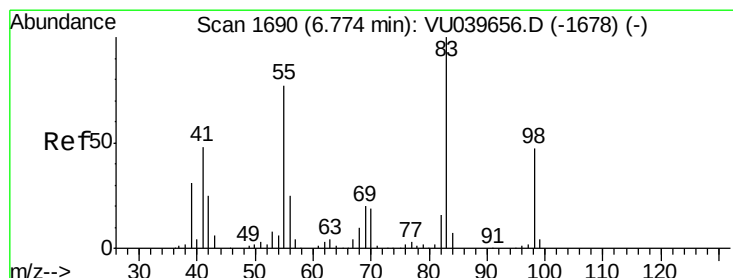
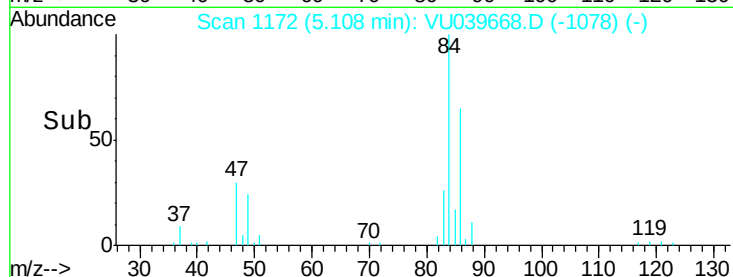
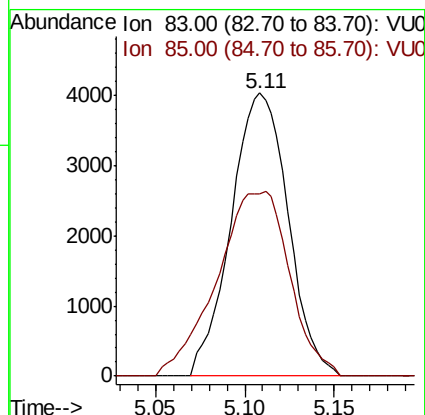
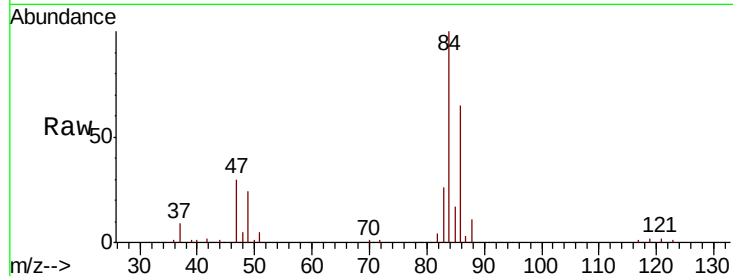




#25  
Chloroform  
Concen: 3.042 ug/L  
RT: 5.11 min Scan# 1172  
Delta R.T. 0.00 min  
Lab File: VU039668.D  
Acq: 24 Jul 2020 16:55

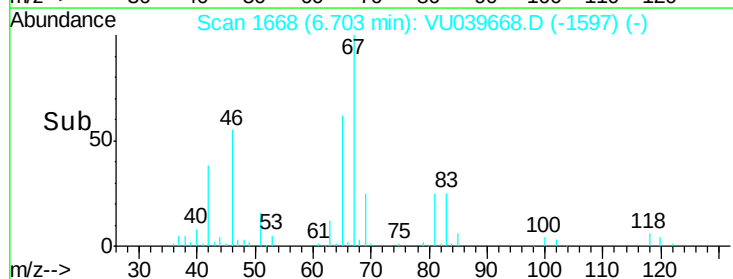
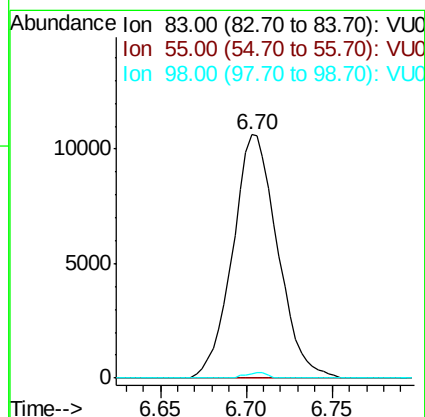
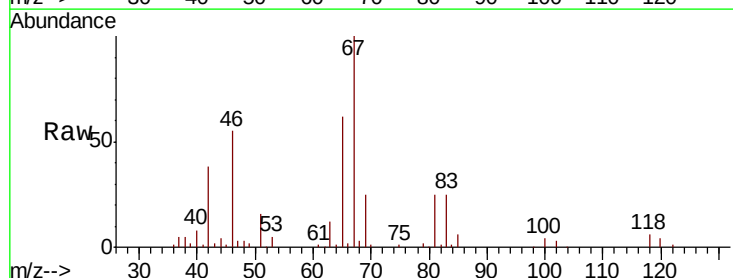
Instrument :  
MSVOA\_U  
ClientSampleId :

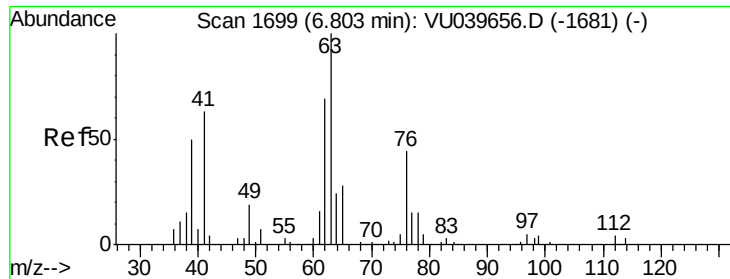
Tot Ion: 83 Resp: 9004  
Ion Ratio Lower Upper  
83 100  
85 64.4 45.6 84.6



#35  
Methylcyclohexane  
Concen: 8.407 ug/L  
RT: 6.70 min Scan# 1668  
Delta R.T. -0.07 min  
Lab File: VU039668.D  
Acq: 24 Jul 2020 16:55

Tgt Ion: 83 Resp: 19256  
Ion Ratio Lower Upper  
83 100  
55 0.0 62.9 94.3#  
98 1.0 36.3 54.5#

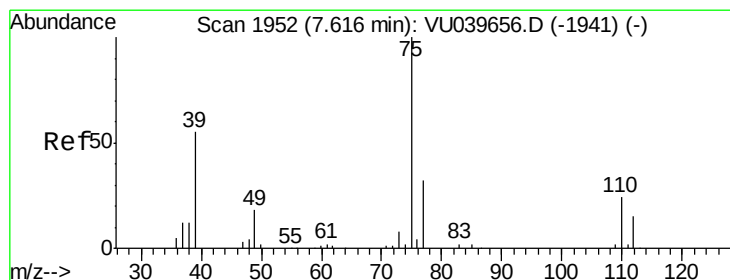
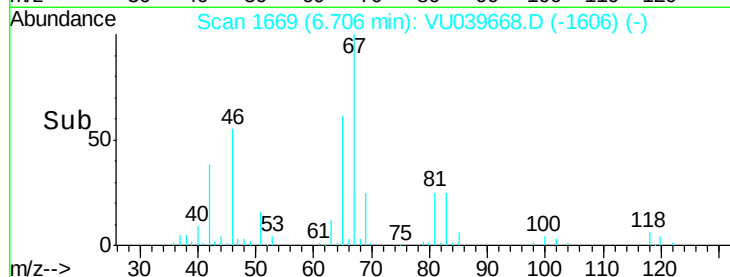
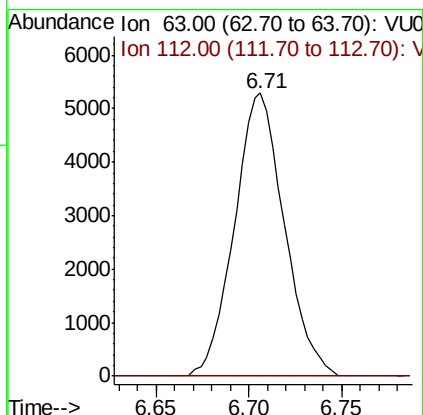
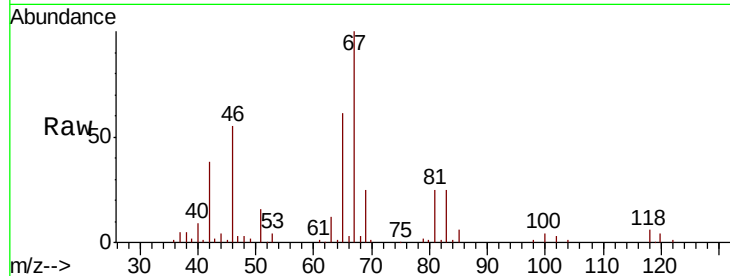




#37  
 1,2-Dichloropropane  
 Concen: 6.505 ug/L  
 RT: 6.71 min Scan# 1669  
 Delta R.T. -0.10 min  
 Lab File: VU039668.D  
 Acq: 24 Jul 2020 16:55

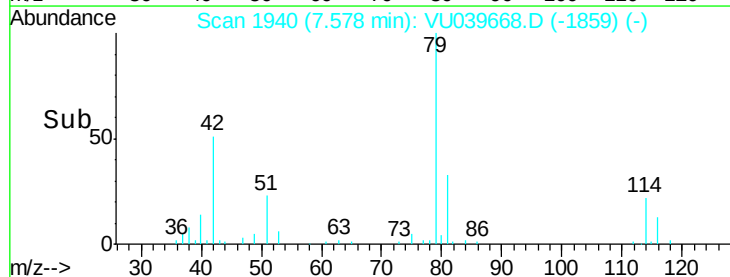
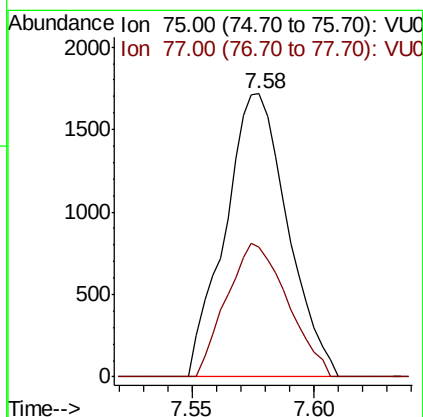
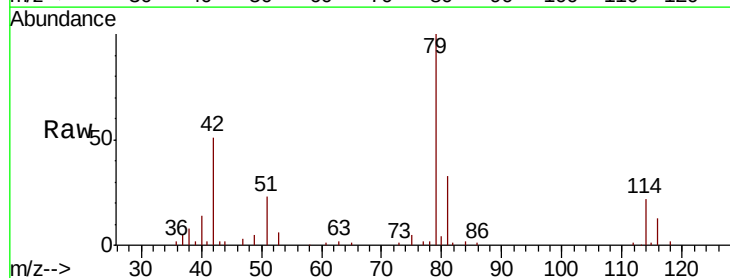
Instrument :  
 MSVOA\_U  
 ClientSampleId :

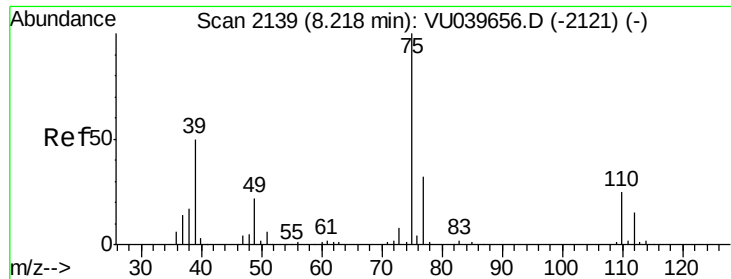
Tot Ion: 63 Resp: 9863  
 Ion Ratio Lower Upper  
 63 100  
 112 0.0 3.0 4.4#



#39  
 cis-1,3-Dichloropropene  
 Concen: 1.346 ug/L  
 RT: 7.58 min Scan# 1940  
 Delta R.T. -0.04 min  
 Lab File: VU039668.D  
 Acq: 24 Jul 2020 16:55

Tgt Ion: 75 Resp: 3050  
 Ion Ratio Lower Upper  
 75 100  
 77 45.8 21.8 40.6#





#44

trans-1,3-Dichloropropene

Concen: 1.069 ug/L

RT: 8.19 min Scan# 2131

Delta R.T. -0.03 min

Lab File: VU039668.D

Acq: 24 Jul 2020 16:55

Instrument :

MSVOA\_U

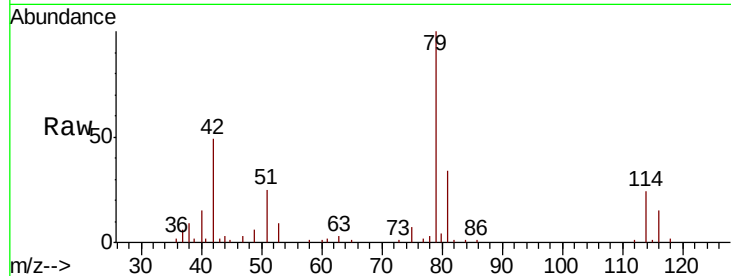
ClientSampleId :

Tot Ion: 75 Resp: 2373

Ion Ratio Lower Upper

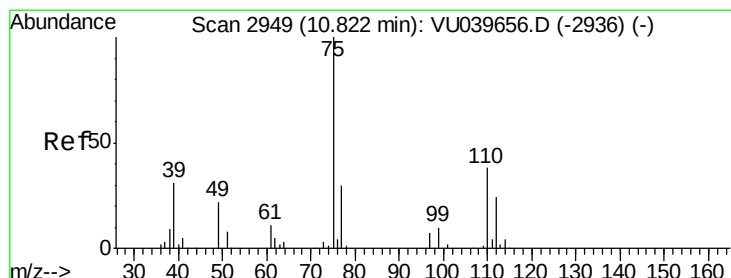
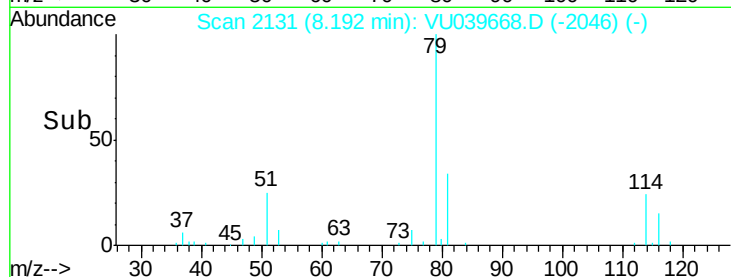
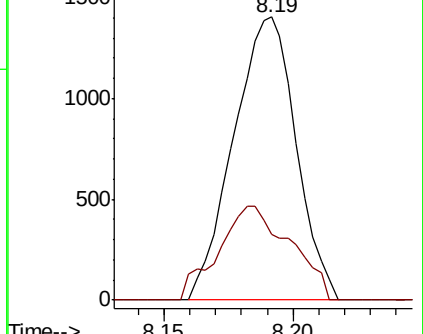
75 100

77 23.3 22.7 42.1



Abundance Ion 75.00 (74.70 to 75.70): VU0

Ion 77.00 (76.70 to 77.70): VU0



#59

1,2,3-Trichloropropane

Concen: 6.099 ug/L

RT: 11.81 min Scan# 3256

Delta R.T. 0.99 min

Lab File: VU039668.D

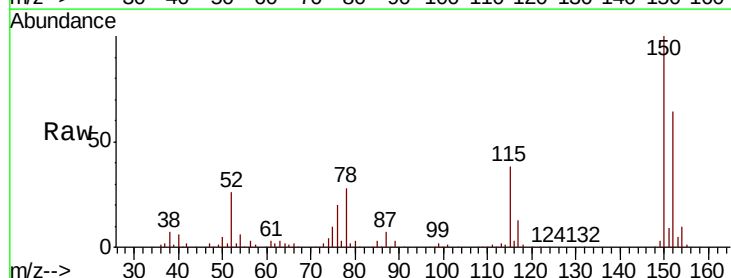
Acq: 24 Jul 2020 16:55

Tgt Ion: 75 Resp: 13419

Ion Ratio Lower Upper

75 100

77 39.2 25.4 38.2#



Abundance Ion 75.00 (74.70 to 75.70): VU0

Ion 77.00 (76.70 to 77.70): VU0

