

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU030520\  
 Data File : VU037079.D  
 Acq On : 05 Mar 2020 13:34  
 Operator : JC/MD  
 Sample : L1780-06  
 Misc : 5.0mL/MSVOA U/WATER  
 ALS Vial : 10 Sample Multiplier: 1

Instrument :  
 MSVOA\_U  
 ClientSampleId :  
 C0DG2

Quant Time: Mar 05 22:38:47 2020  
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_U\METHOD\SOMULM022420WMA.M  
 Quant Title : VOC Analysis  
 QLast Update : Thu Mar 05 22:35:59 2020  
 Response via : Initial Calibration

| Internal Standards         | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|----------------------------|-------|------|----------|-------|-------|----------|
| 1) 1,4-Difluorobenzene     | 6.28  | 114  | 254212   | 50.00 | ug/L  | 0.00     |
| 28) Chlorobenzene-d5       | 9.44  | 117  | 242157   | 50.00 | ug/L  | 0.00     |
| 60) 1,4-Dichlorobenzene-d4 | 11.83 | 152  | 84617    | 50.00 | ug/L  | 0.00     |

## System Monitoring Compounds

|                                |         |       |          |          |      |         |
|--------------------------------|---------|-------|----------|----------|------|---------|
| 4) Vinyl Chloride-d3           | 1.61    | 65    | 81173    | 38.02    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 60 - 135 | Recovery | =    | 76.04%  |
| 7) Chloroethane-d5             | 1.93    | 69    | 81847    | 46.34    | ug/L | 0.02    |
| Spiked Amount                  | 50.000  | Range | 70 - 130 | Recovery | =    | 92.68%  |
| 11) 1,1-Dichloroethene-d2      | 2.59    | 63    | 112894   | 31.58    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 60 - 125 | Recovery | =    | 63.16%  |
| 21) 2-Butanone-d5              | 4.67    | 46    | 150003   | 104.75   | ug/L | 0.00    |
| Spiked Amount                  | 100.000 | Range | 40 - 130 | Recovery | =    | 104.75% |
| 24) Chloroform-d               | 5.11    | 84    | 154996   | 47.55    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 70 - 125 | Recovery | =    | 95.10%  |
| 26) 1,2-Dichloroethane-d4      | 5.74    | 65    | 108785   | 49.31    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 70 - 125 | Recovery | =    | 98.62%  |
| 32) Benzene-d6                 | 5.76    | 84    | 334726   | 47.80    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 70 - 125 | Recovery | =    | 95.60%  |
| 36) 1,2-Dichloropropane-d6     | 6.72    | 67    | 110135   | 48.54    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 70 - 120 | Recovery | =    | 97.08%  |
| 41) Toluene-d8                 | 7.92    | 98    | 292920   | 45.09    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 80 - 120 | Recovery | =    | 90.18%  |
| 43) trans-1,3-Dichloropropene- | 8.20    | 79    | 44849    | 42.54    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 60 - 125 | Recovery | =    | 85.08%  |
| 47) 2-Hexanone-d5              | 8.66    | 63    | 99645    | 89.83    | ug/L | 0.00    |
| Spiked Amount                  | 100.000 | Range | 45 - 130 | Recovery | =    | 89.83%  |
| 57) 1,1,2,2-Tetrachloroethane- | 10.77   | 84    | 158005   | 49.40    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 65 - 120 | Recovery | =    | 98.80%  |
| 64) 1,2-Dichlorobenzene-d4     | 12.21   | 152   | 86688    | 52.41    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 80 - 120 | Recovery | =    | 104.82% |

## Target Compounds

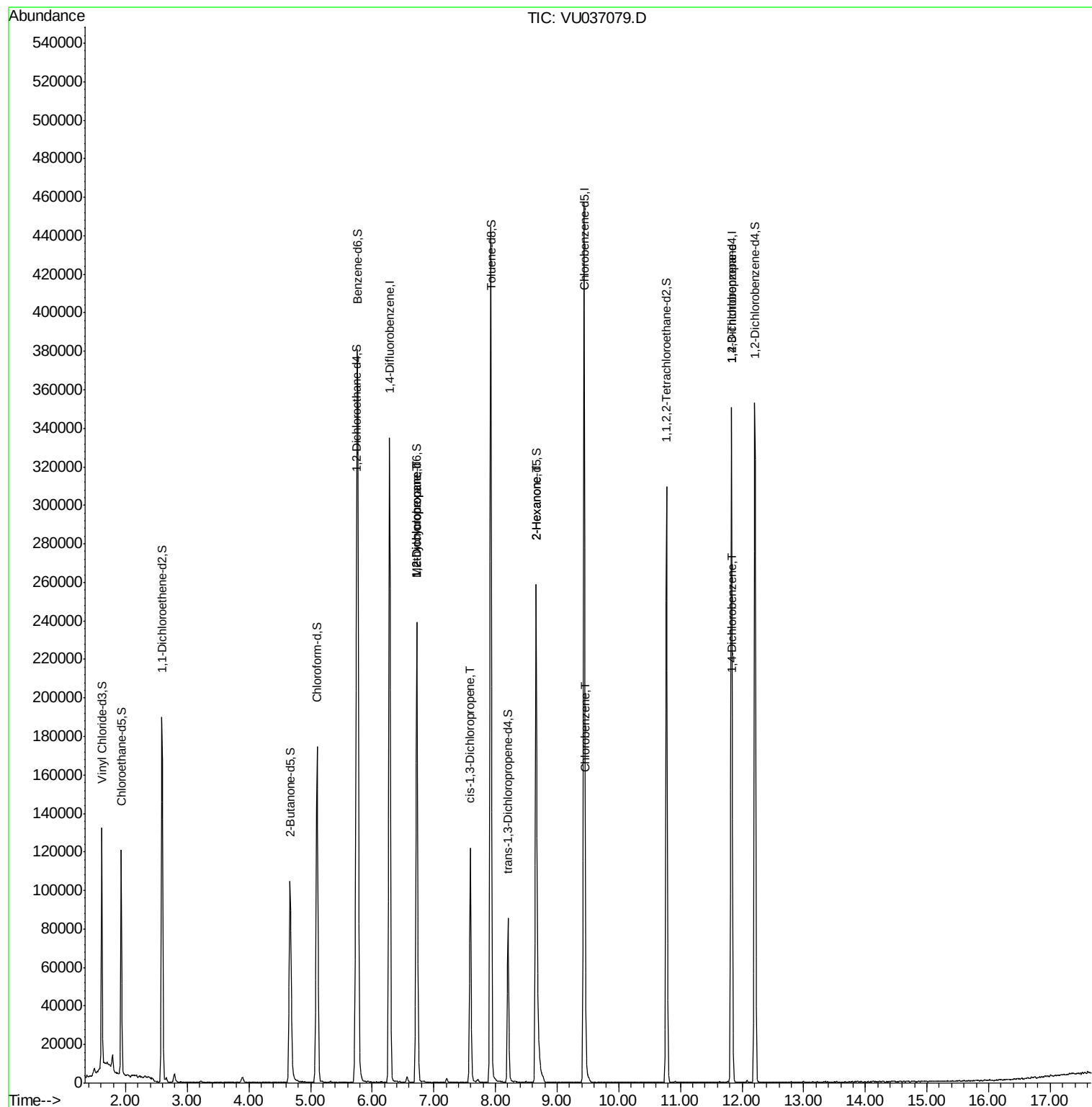
|                             |       |     |       |              | Ovalue |
|-----------------------------|-------|-----|-------|--------------|--------|
| 35) Methylcyclohexane       | 6.72  | 83  | 24247 | 7.438 ug/L # | 19     |
| 37) 1,2-Dichloropropane     | 6.72  | 63  | 12325 | 5.984 ug/L # | 88     |
| 39) cis-1,3-Dichloropropene | 7.59  | 75  | 2998  | 0.945 ug/L # | 52     |
| 48) 2-Hexanone              | 8.66  | 43  | 11505 | 4.750 ug/L # | 71     |
| 51) Chlorobenzene           | 9.47  | 112 | 4580  | 0.948 ug/L   | 94     |
| 59) 1,2,3-Trichloropropane  | 11.83 | 75  | 14052 | 5.303 ug/L   | 96     |
| 63) 1,4-Dichlorobenzene     | 11.85 | 146 | 2639  | 0.973 ug/L   | 92     |

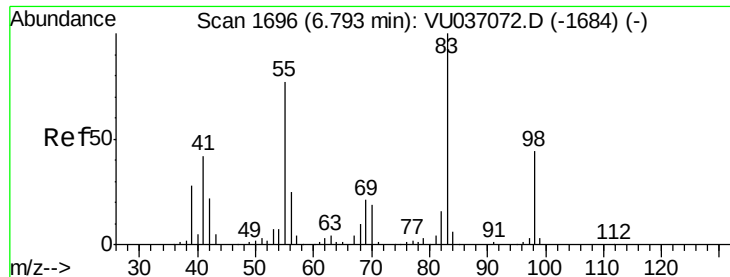
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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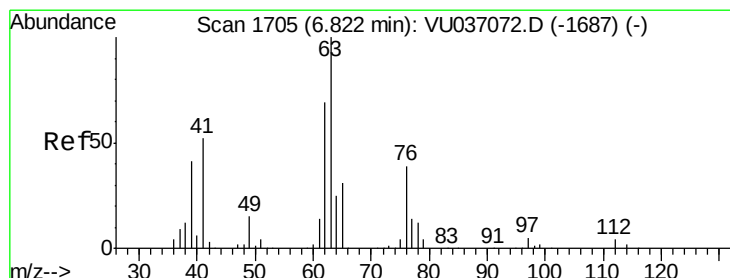
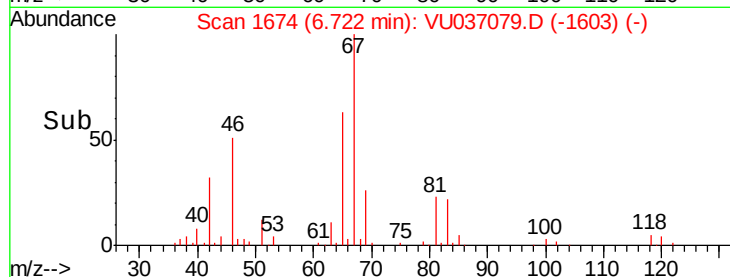
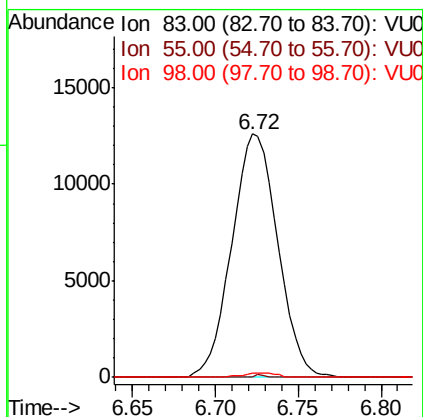
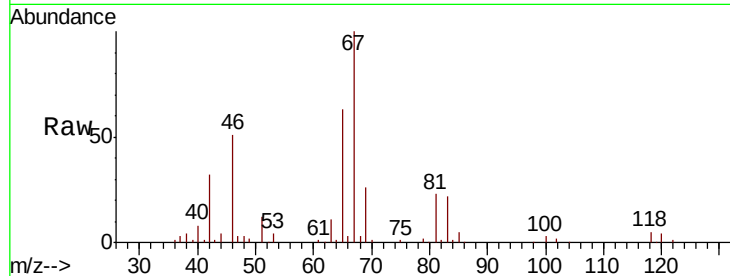




#35  
Methylvlcyclohexane  
Concen: 7.438 ug/L  
RT: 6.72 min Scan# 1674  
Delta R.T. -0.07 min  
Lab File: VU037079.D  
Acq: 05 Mar 2020 13:34

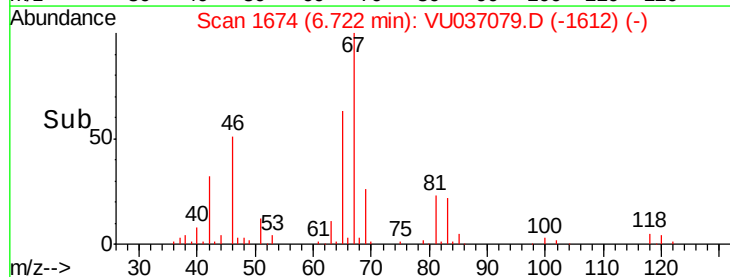
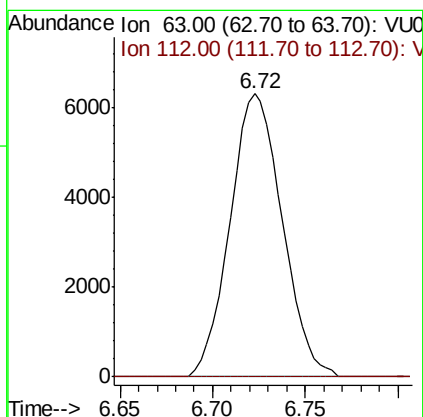
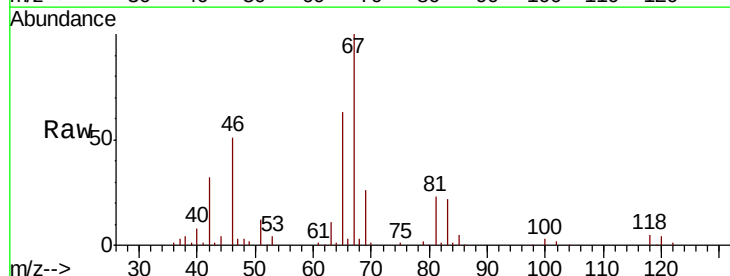
Instrument :  
MSVOA\_U  
ClientSampleId :  
C0DG2

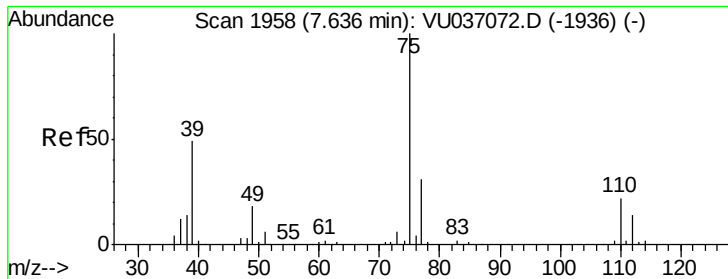
Tot Ion: 83 Resp: 24247  
Ion Ratio Lower Upper  
83 100  
55 0.2 62.6 93.8#  
98 1.2 35.1 52.7#



#37  
1,2-Dichloropropane  
Concen: 5.984 ug/L  
RT: 6.72 min Scan# 1674  
Delta R.T. -0.10 min  
Lab File: VU037079.D  
Acq: 05 Mar 2020 13:34

Tgt Ion: 63 Resp: 12325  
Ion Ratio Lower Upper  
63 100  
112 0.0 3.0 4.6#

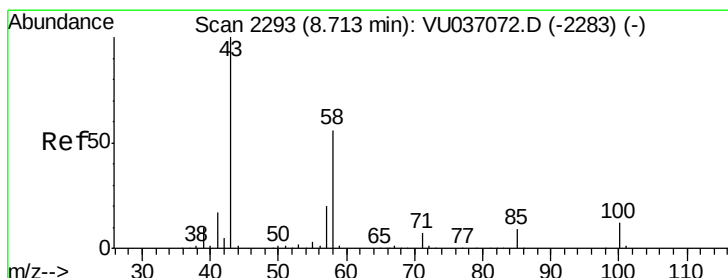
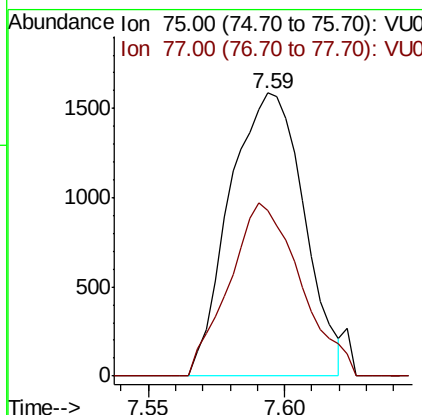
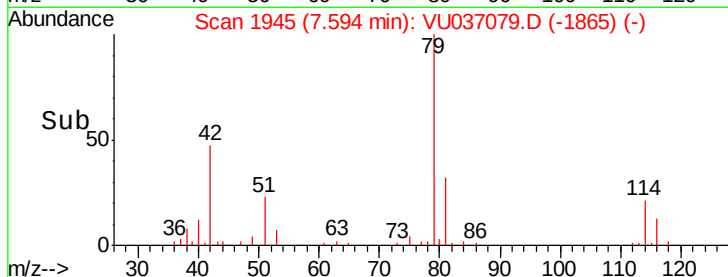
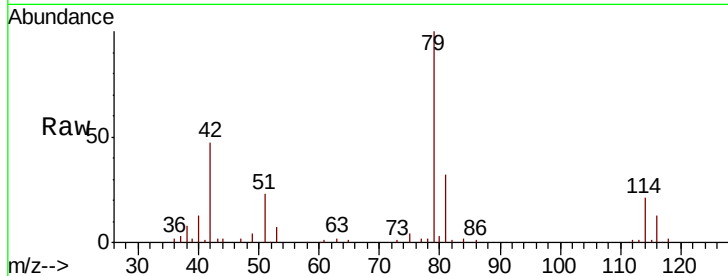




#39  
 cis-1,3-Dichloropropene  
 Concen: 0.945 ug/L  
 RT: 7.59 min Scan# 1945  
 Delta R.T. -0.04 min  
 Lab File: VU037079.D  
 Acq: 05 Mar 2020 13:34

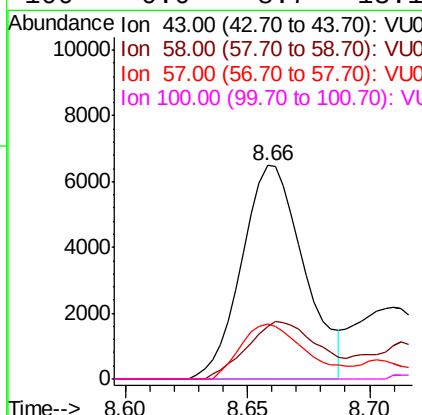
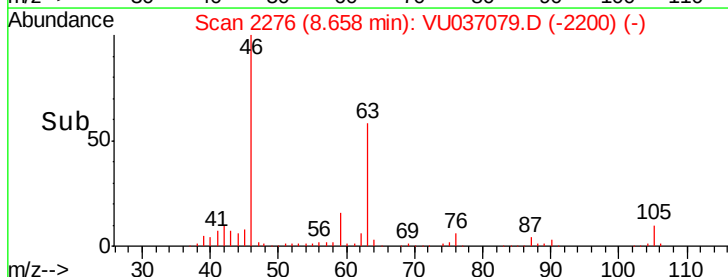
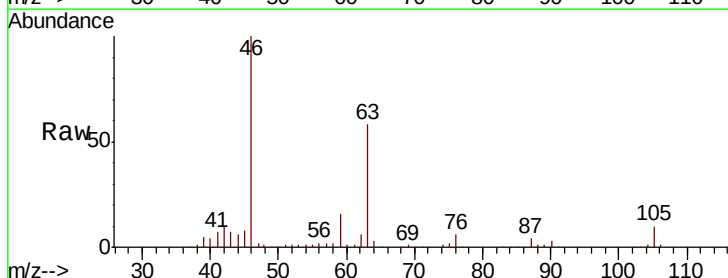
Instrument :  
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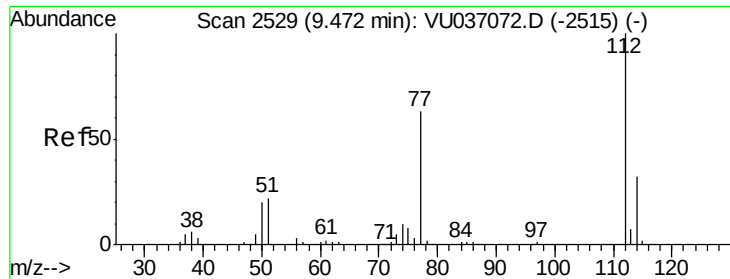
Tot Ion: 75 Resp: 2998  
 Ion Ratio Lower Upper  
 75 100  
 77 58.3 22.0 41.0#



#48  
 2-Hexanone  
 Concen: 4.750 ug/L  
 RT: 8.66 min Scan# 2276  
 Delta R.T. -0.05 min  
 Lab File: VU037079.D  
 Acq: 05 Mar 2020 13:34

Tgt Ion: 43 Resp: 11505  
 Ion Ratio Lower Upper  
 43 100  
 58 31.0 43.5 65.3#  
 57 27.2 15.1 22.7#  
 100 0.0 8.7 13.1#





#51

Chlorobenzene

Concen: 0.948 ug/L

RT: 9.47 min Scan# 2527

Delta R.T. -0.01 min

Lab File: VU037079.D

Acq: 05 Mar 2020 13:34

Instrument :

MSVOA\_U

ClientSampleId :

C0DG2

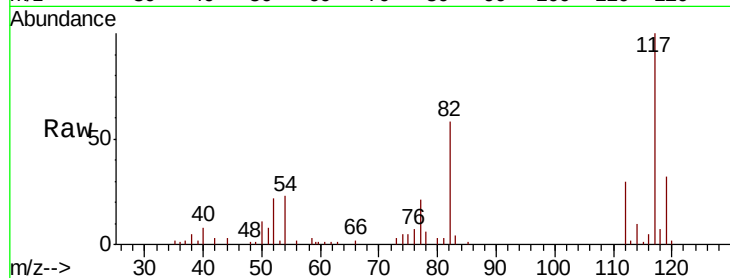
Tot Ion:112 Resp: 4580

Ion Ratio Lower Upper

112 100

114 32.7 22.3 41.5

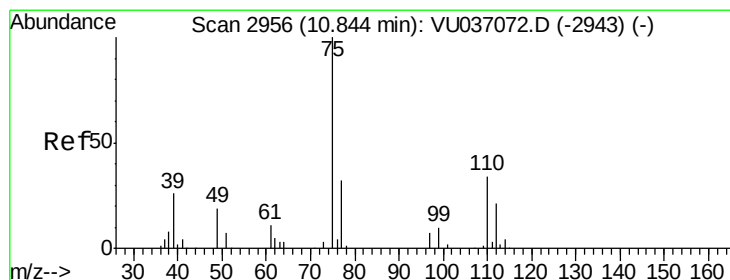
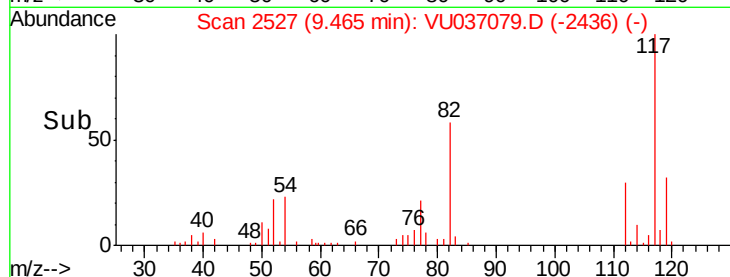
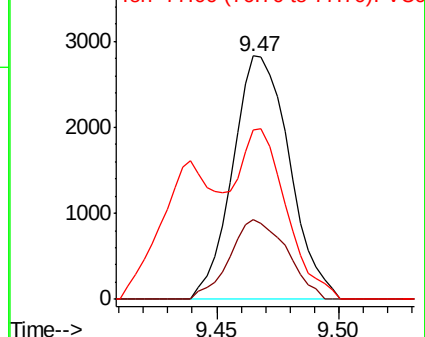
77 69.3 50.1 75.1



Abundance Ion 112.00 (111.70 to 112.70): V

Ion 114.00 (113.70 to 114.70): V

Ion 77.00 (76.70 to 77.70): VU0



#59

1,2,3-Trichloropropane

Concen: 5.303 ug/L

RT: 11.83 min Scan# 3262

Delta R.T. 0.98 min

Lab File: VU037079.D

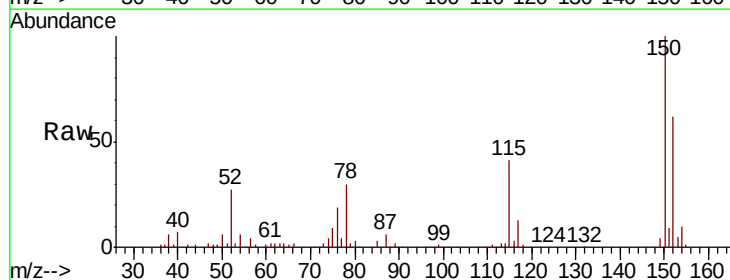
Acq: 05 Mar 2020 13:34

Tgt Ion: 75 Resp: 14052

Ion Ratio Lower Upper

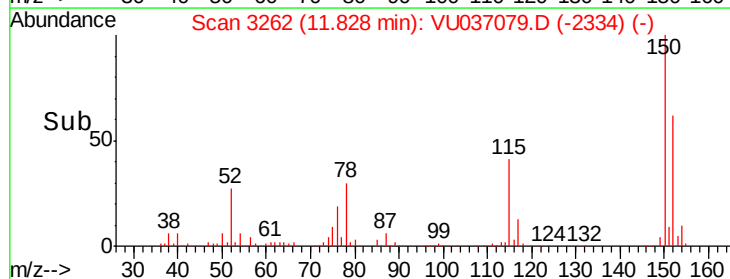
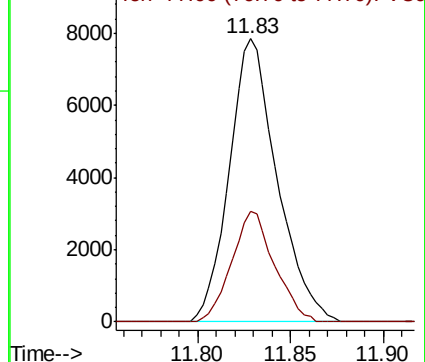
75 100

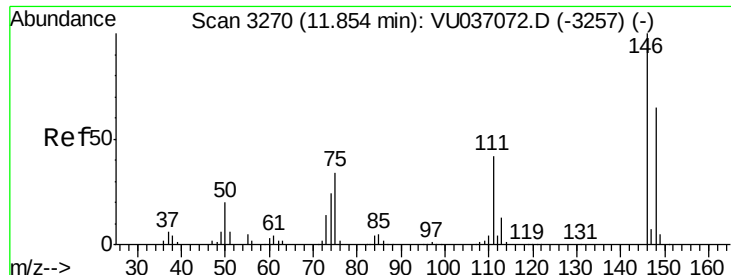
77 34.7 26.2 39.2



Abundance Ion 75.00 (74.70 to 75.70): VU0

Ion 77.00 (76.70 to 77.70): VU0





#63  
 1,4-Dichlorobenzene  
 Concen: 0.973 ug/L  
 RT: 11.85 min Scan# 3269  
 Delta R.T. -0.00 min  
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| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 146     | 100   |       |       |
| 111     | 48.8  | 29.8  | 55.4  |
| 148     | 70.1  | 45.1  | 83.9  |

