

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU092920\  
 Data File : VU040371.D  
 Acq On : 29 Sep 2020 20:28  
 Operator : SY/MD  
 Sample : L4186-03  
 Misc : 25.0mL/MSVOA U/WATER  
 ALS Vial : 28 Sample Multiplier: 1

Instrument :  
 MSVOA\_U  
 ClientSampleId :  
 BG0D8

Quant Time: Sep 30 02:56:26 2020  
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_U\METHOD\SOMUTR092920WMA.M  
 Quant Title : TRACE VOA SOM01.0  
 QLast Update : Wed Sep 30 02:48:48 2020  
 Response via : Initial Calibration

| Internal Standards         | R.T.  | QIon | Response | Conc | Units | Dev(Min) |
|----------------------------|-------|------|----------|------|-------|----------|
| 1) 1,4-Difluorobenzene     | 6.26  | 114  | 125571   | 5.00 | ug/L  | 0.00     |
| 28) Chlorobenzene-d5       | 9.42  | 117  | 126174   | 5.00 | ug/L  | 0.00     |
| 60) 1,4-Dichlorobenzene-d4 | 11.81 | 152  | 56414    | 5.00 | ug/L  | 0.00     |

## System Monitoring Compounds

|                                |        |       |          |          |      |         |
|--------------------------------|--------|-------|----------|----------|------|---------|
| 4) Vinyl Chloride-d3           | 1.60   | 65    | 28370    | 4.56     | ug/L | 0.00    |
| Spiked Amount                  | 5.000  | Range | 40 - 130 | Recovery | =    | 91.20%  |
| 7) Chloroethane-d5             | 1.92   | 69    | 27510    | 5.05     | ug/L | 0.00    |
| Spiked Amount                  | 5.000  | Range | 65 - 130 | Recovery | =    | 101.00% |
| 11) 1,1-Dichloroethene-d2      | 2.58   | 63    | 47253    | 3.16     | ug/L | 0.00    |
| Spiked Amount                  | 5.000  | Range | 60 - 125 | Recovery | =    | 63.20%  |
| 20) 2-Butanone-d5              | 4.65   | 46    | 155709   | 50.42    | ug/L | 0.00    |
| Spiked Amount                  | 50.000 | Range | 40 - 130 | Recovery | =    | 100.84% |
| 24) Chloroform-d               | 5.08   | 84    | 72148    | 4.88     | ug/L | 0.00    |
| Spiked Amount                  | 5.000  | Range | 70 - 125 | Recovery | =    | 97.60%  |
| 26) 1,2-Dichloroethane-d4      | 5.72   | 65    | 45702    | 5.07     | ug/L | 0.00    |
| Spiked Amount                  | 5.000  | Range | 70 - 130 | Recovery | =    | 101.40% |
| 32) Benzene-d6                 | 5.75   | 84    | 125217   | 4.94     | ug/L | 0.00    |
| Spiked Amount                  | 5.000  | Range | 70 - 125 | Recovery | =    | 98.80%  |
| 36) 1,2-Dichloropropane-d6     | 6.70   | 67    | 45908    | 4.95     | ug/L | 0.00    |
| Spiked Amount                  | 5.000  | Range | 60 - 140 | Recovery | =    | 99.00%  |
| 41) Toluene-d8                 | 7.91   | 98    | 99417    | 4.51     | ug/L | 0.00    |
| Spiked Amount                  | 5.000  | Range | 70 - 130 | Recovery | =    | 90.20%  |
| 43) trans-1,3-Dichloropropene- | 8.19   | 79    | 17720    | 4.68     | ug/L | 0.00    |
| Spiked Amount                  | 5.000  | Range | 55 - 130 | Recovery | =    | 93.60%  |
| 46) 2-Hexanone-d5              | 8.64   | 63    | 109730   | 49.26    | ug/L | 0.00    |
| Spiked Amount                  | 50.000 | Range | 45 - 130 | Recovery | =    | 98.52%  |
| 57) 1,1,2,2-Tetrachloroethane- | 10.75  | 84    | 43721    | 4.84     | ug/L | 0.00    |
| Spiked Amount                  | 5.000  | Range | 65 - 120 | Recovery | =    | 96.80%  |
| 64) 1,2-Dichlorobenzene-d4     | 12.19  | 152   | 46968    | 5.49     | ug/L | 0.00    |
| Spiked Amount                  | 5.000  | Range | 80 - 120 | Recovery | =    | 109.80% |

## Target Compounds

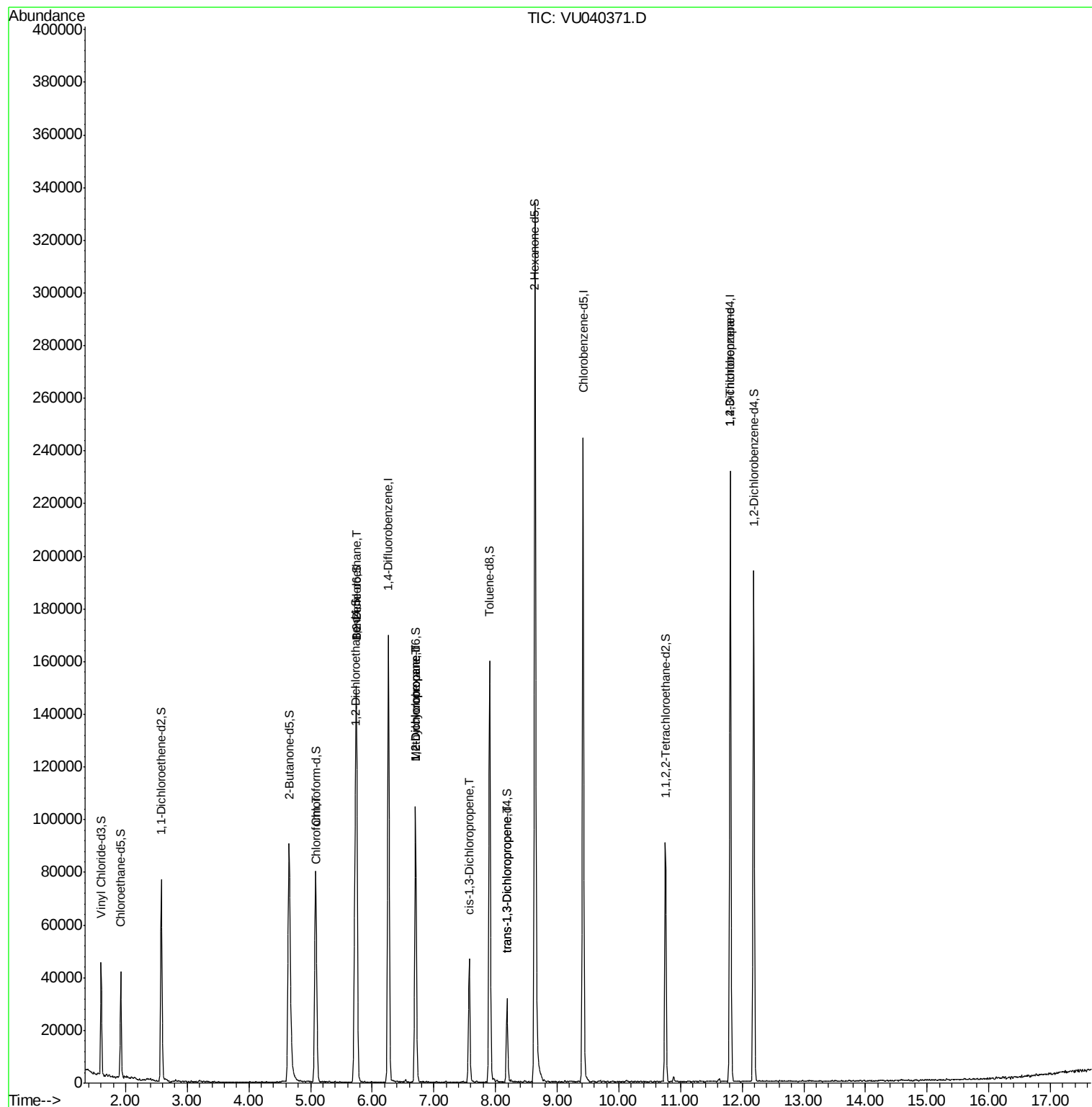
|                               |       |    |       |              | Ovalue |
|-------------------------------|-------|----|-------|--------------|--------|
| 25) Chloroform                | 5.10  | 83 | 1946  | 0.094 ug/L   | 88     |
| 27) 1,2-Dichloroethane        | 5.74  | 62 | 942   | 0.066 ug/L # | 74     |
| 35) Methylcyclohexane         | 6.70  | 83 | 10856 | 0.659 ug/L # | 14     |
| 37) 1,2-Dichloropropane       | 6.70  | 63 | 5230  | 0.444 ug/L # | 88     |
| 39) cis-1,3-Dichloropropene   | 7.57  | 75 | 1304  | 0.083 ug/L # | 43     |
| 44) trans-1,3-Dichloropropene | 8.19  | 75 | 965   | 0.066 ug/L # | 63     |
| 59) 1,2,3-Trichloropropane    | 11.81 | 75 | 8069  | 0.945 ug/L   | 94     |

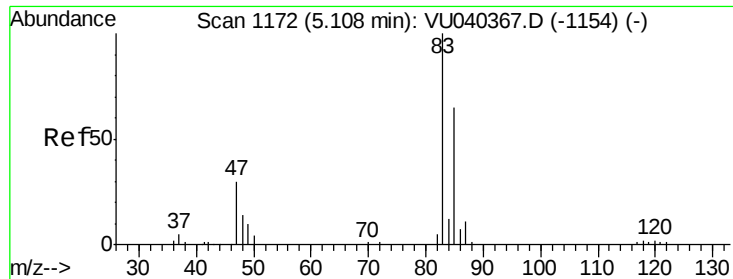
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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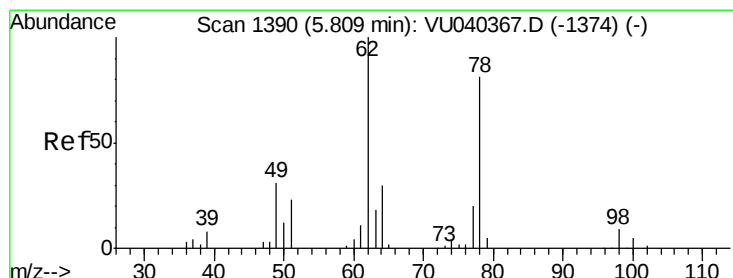
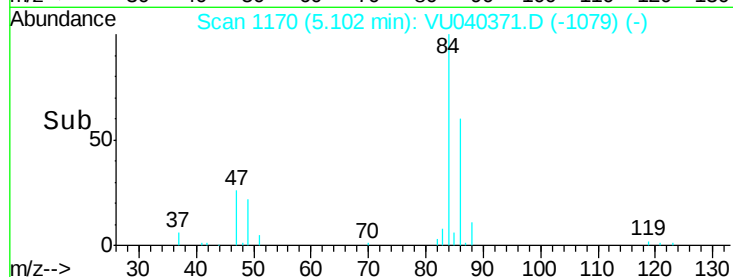
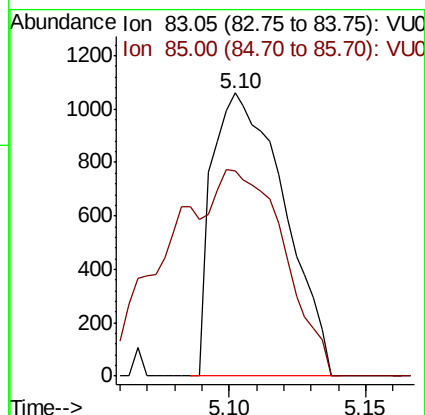
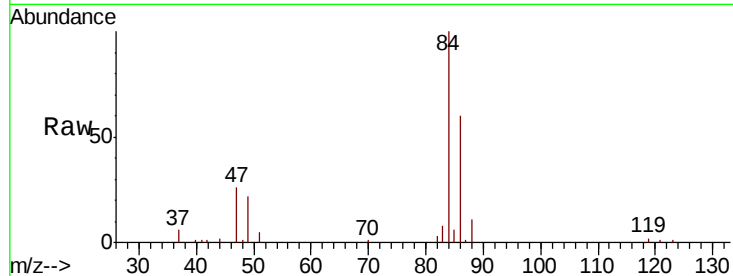




#25  
Chloroform  
Concen: 0.094 ug/L  
RT: 5.10 min Scan# 1170  
Delta R.T. -0.01 min  
Lab File: VU040371.D  
Acq: 29 Sep 2020 20:28

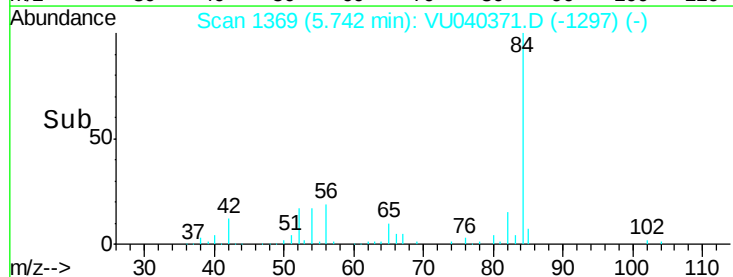
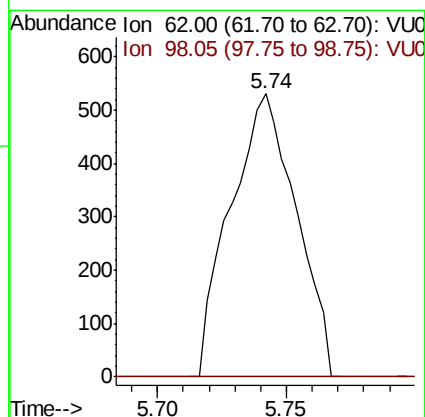
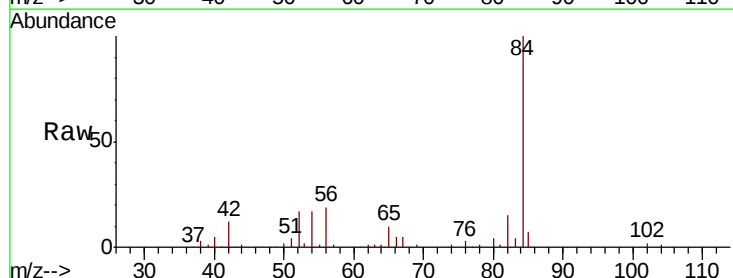
Instrument :  
MSVOA\_U  
ClientSampled :  
BG0D8

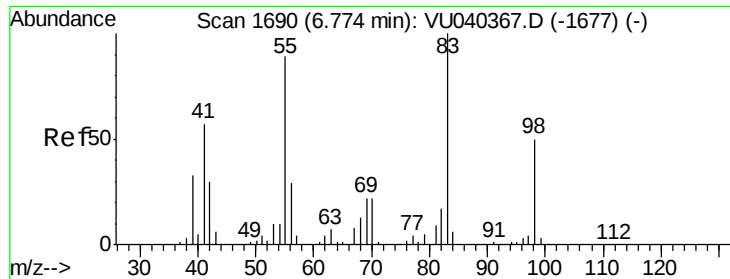
Tot Ion: 83 Resp: 1946  
Ion Ratio Lower Upper  
83 100  
85 72.7 44.6 82.8



#27  
1,2-Dichloroethane  
Concen: 0.066 ug/L  
RT: 5.74 min Scan# 1369  
Delta R.T. -0.07 min  
Lab File: VU040371.D  
Acq: 29 Sep 2020 20:28

Tgt Ion: 62 Resp: 942  
Ion Ratio Lower Upper  
62 100  
98 0.0 7.5 11.3#

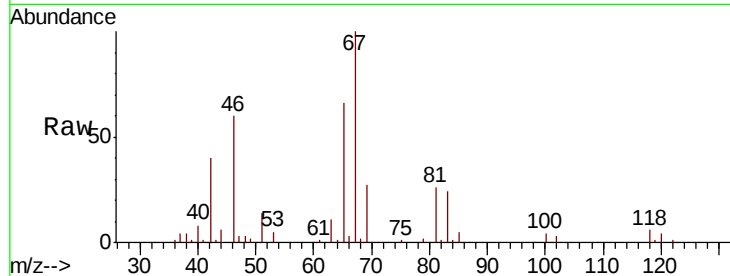




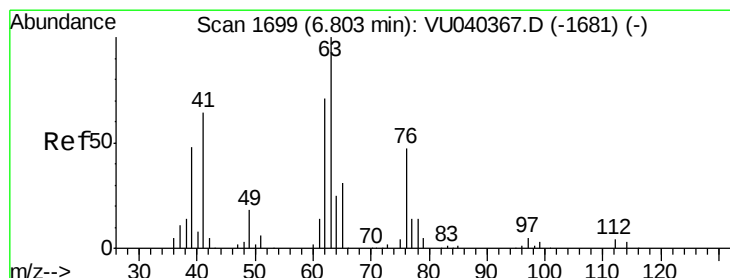
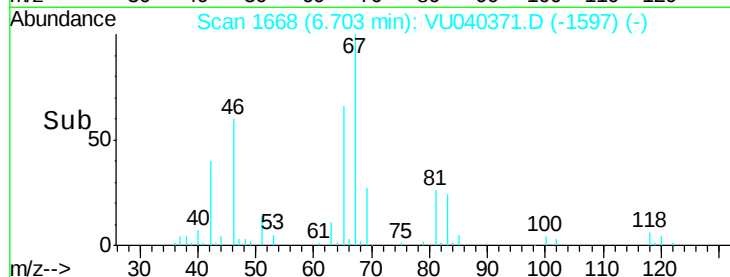
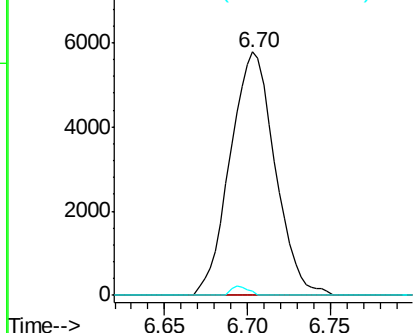
#35  
Methvlcvclohexane  
Concen: 0.659 ug/L  
RT: 6.70 min Scan# 1668  
Delta R.T. -0.07 min  
Lab File: VU040371.D  
Acq: 29 Sep 2020 20:28

Instrument :  
MSVOA\_U  
ClientSampleId :  
BG0D8

| Tot Ion   | 83    | Resp  | 10856  |
|-----------|-------|-------|--------|
| Ion Ratio | Lower | Upper |        |
| 83        | 100   |       |        |
| 55        | 0.0   | 71.4  | 107.2# |
| 98        | 1.4   | 38.5  | 57.7#  |

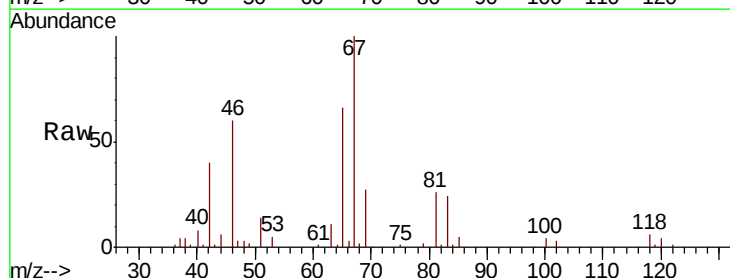


Abundance Ion 83.15 (82.85 to 83.85): VU0  
Ion 55.10 (54.80 to 55.80): VU0  
Ion 98.15 (97.85 to 98.85): VU0

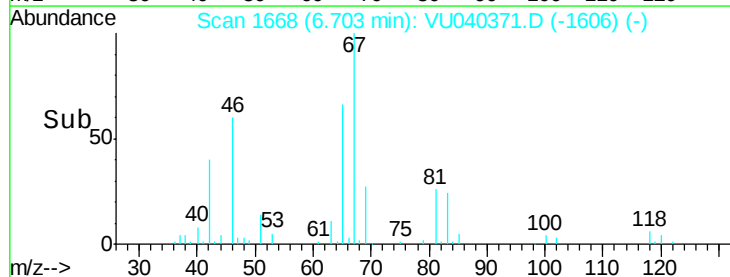
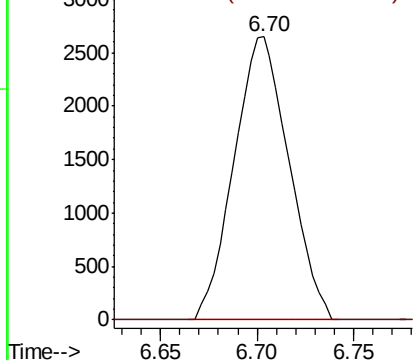


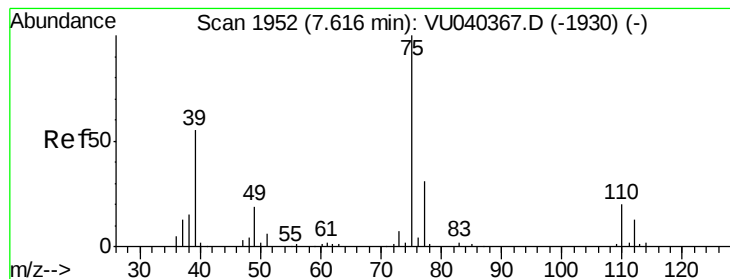
#37  
1,2-Dichloropropane  
Concen: 0.444 ug/L  
RT: 6.70 min Scan# 1668  
Delta R.T. -0.10 min  
Lab File: VU040371.D  
Acq: 29 Sep 2020 20:28

| Tgt Ion   | 63    | Resp  | 5230 |
|-----------|-------|-------|------|
| Ion Ratio | Lower | Upper |      |
| 63        | 100   |       |      |
| 112       | 0.0   | 3.2   | 4.8# |



Abundance Ion 63.10 (62.80 to 63.80): VU0  
Ion 112.10 (111.80 to 112.80): V





#39

cis-1,3-Dichloropropene

Concen: 0.083 ug/L

RT: 7.57 min Scan# 1939

Delta R.T. -0.04 min

Lab File: VU040371.D

Acq: 29 Sep 2020 20:28

Instrument :

MSVOA\_U

ClientSampleId :

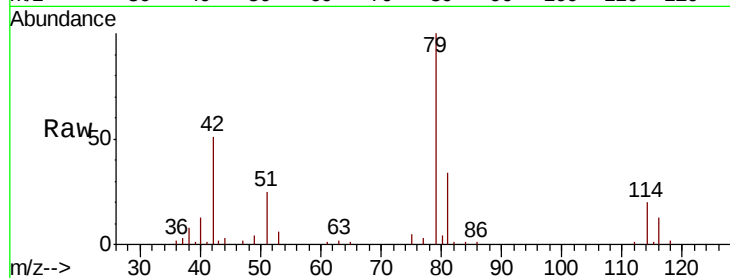
BG0D8

Tot Ion: 75 Resp: 1304

Ion Ratio Lower Upper

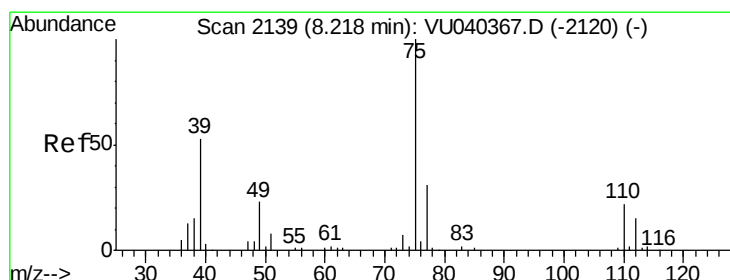
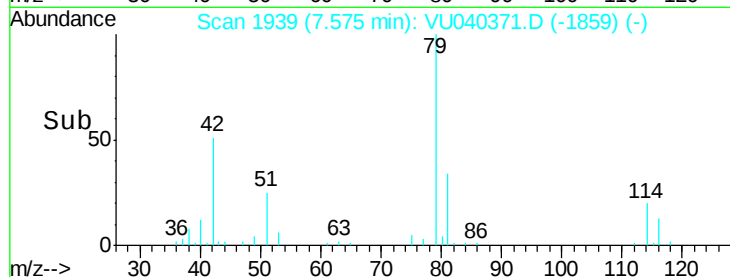
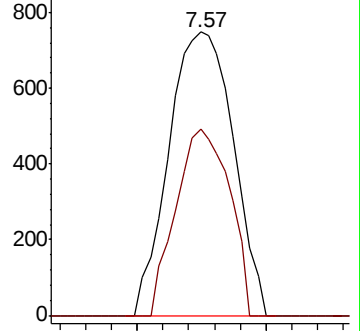
75 100

77 65.9 23.5 43.7#



Abundance Ion 75.05 (74.75 to 75.75): VU0

Ion 77.05 (76.75 to 77.75): VU0



#44

trans-1,3-Dichloropropene

Concen: 0.066 ug/L

RT: 8.19 min Scan# 2130

Delta R.T. -0.03 min

Lab File: VU040371.D

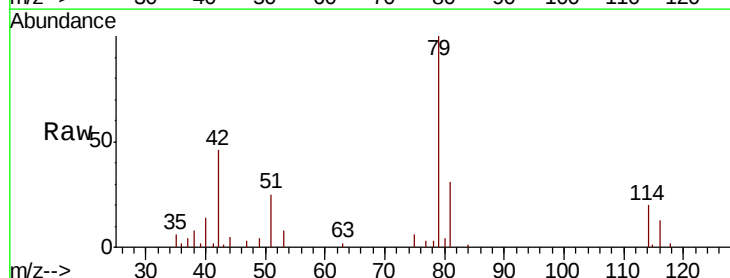
Acq: 29 Sep 2020 20:28

Tgt Ion: 75 Resp: 965

Ion Ratio Lower Upper

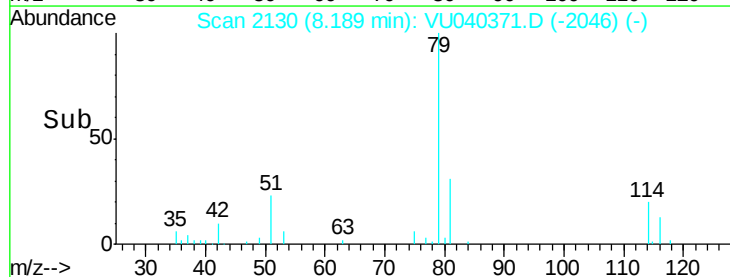
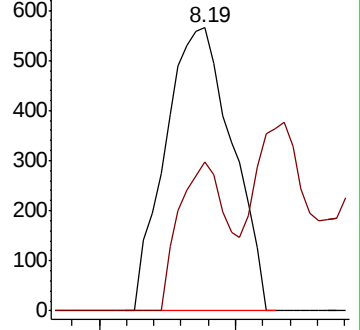
75 100

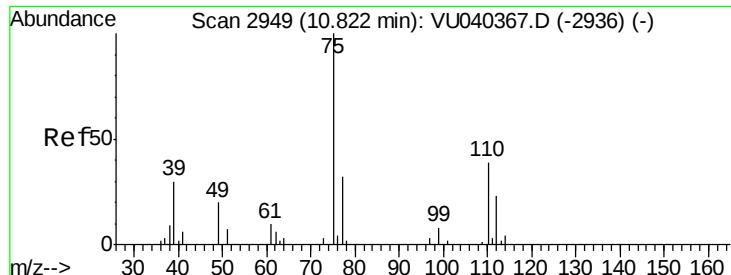
77 52.6 22.3 41.3#



Abundance Ion 75.05 (74.75 to 75.75): VU0

Ion 77.05 (76.75 to 77.75): VU0





#59

1,2,3-Trichloropropane

Concen: 0.945 ug/L

RT: 11.81 min Scan# 3255

Delta R.T. 0.98 min

Lab File: VU040371.D

Acq: 29 Sep 2020 20:28

Instrument :

MSVOA\_U

ClientSampleId :

BG0D8

Tot Ion: 75 Resp: 8069

Ion Ratio Lower Upper

75 100

77 35.3 25.7 38.5

