

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU091820\  
 Data File : VU040212.D  
 Acq On : 18 Sep 2020 15:40  
 Operator : SY/MD  
 Sample : L4041-15  
 Misc : 25.0mL/MSVOA U/WATER  
 ALS Vial : 16 Sample Multiplier: 1

Instrument :  
 MSVOA\_U  
 ClientSampleId :  
 VHBLK01

Quant Time: Sep 18 23:23:28 2020  
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_U\METHOD\SOMUTR083120WMA.M  
 Quant Title : TRACE VOA SOM01.0  
 QLast Update : Fri Sep 18 23:20:35 2020  
 Response via : Initial Calibration

| Internal Standards         | R.T.  | QIon | Response | Conc | Units | Dev(Min) |
|----------------------------|-------|------|----------|------|-------|----------|
| 1) 1,4-Difluorobenzene     | 6.26  | 114  | 111892   | 5.00 | ug/L  | 0.00     |
| 28) Chlorobenzene-d5       | 9.42  | 117  | 118550   | 5.00 | ug/L  | 0.00     |
| 60) 1,4-Dichlorobenzene-d4 | 11.81 | 152  | 49945    | 5.00 | ug/L  | 0.00     |

## System Monitoring Compounds

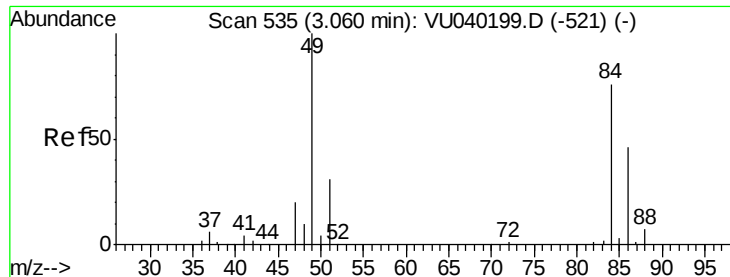
|                                |        |       |          |          |      |         |
|--------------------------------|--------|-------|----------|----------|------|---------|
| 4) Vinyl Chloride-d3           | 1.60   | 65    | 27899    | 4.57     | ug/L | 0.00    |
| Spiked Amount                  | 5.000  | Range | 40 - 130 | Recovery | =    | 91.40%  |
| 7) Chloroethane-d5             | 1.92   | 69    | 26153    | 5.14     | ug/L | 0.00    |
| Spiked Amount                  | 5.000  | Range | 65 - 130 | Recovery | =    | 102.80% |
| 11) 1,1-Dichloroethene-d2      | 2.58   | 63    | 49588    | 3.16     | ug/L | 0.00    |
| Spiked Amount                  | 5.000  | Range | 60 - 125 | Recovery | =    | 63.20%  |
| 20) 2-Butanone-d5              | 4.66   | 46    | 139970   | 57.28    | ug/L | 0.00    |
| Spiked Amount                  | 50.000 | Range | 40 - 130 | Recovery | =    | 114.56% |
| 24) Chloroform-d               | 5.08   | 84    | 69658    | 4.88     | ug/L | 0.00    |
| Spiked Amount                  | 5.000  | Range | 70 - 125 | Recovery | =    | 97.60%  |
| 26) 1,2-Dichloroethane-d4      | 5.72   | 65    | 46934    | 5.33     | ug/L | 0.00    |
| Spiked Amount                  | 5.000  | Range | 70 - 130 | Recovery | =    | 106.60% |
| 32) Benzene-d6                 | 5.74   | 84    | 129446   | 4.68     | ug/L | 0.00    |
| Spiked Amount                  | 5.000  | Range | 70 - 125 | Recovery | =    | 93.60%  |
| 36) 1,2-Dichloropropane-d6     | 6.70   | 67    | 44882    | 4.92     | ug/L | 0.00    |
| Spiked Amount                  | 5.000  | Range | 60 - 140 | Recovery | =    | 98.40%  |
| 41) Toluene-d8                 | 7.91   | 98    | 104265   | 4.17     | ug/L | 0.00    |
| Spiked Amount                  | 5.000  | Range | 70 - 130 | Recovery | =    | 83.40%  |
| 43) trans-1,3-Dichloropropene- | 8.19   | 79    | 18514    | 4.42     | ug/L | 0.00    |
| Spiked Amount                  | 5.000  | Range | 55 - 130 | Recovery | =    | 88.40%  |
| 46) 2-Hexanone-d5              | 8.64   | 63    | 102221   | 51.49    | ug/L | 0.00    |
| Spiked Amount                  | 50.000 | Range | 45 - 130 | Recovery | =    | 102.98% |
| 57) 1,1,2,2-Tetrachloroethane- | 10.75  | 84    | 42277    | 5.36     | ug/L | 0.00    |
| Spiked Amount                  | 5.000  | Range | 65 - 120 | Recovery | =    | 107.20% |
| 64) 1,2-Dichlorobenzene-d4     | 12.19  | 152   | 43389    | 5.37     | ug/L | 0.00    |
| Spiked Amount                  | 5.000  | Range | 80 - 120 | Recovery | =    | 107.40% |

## Target Compounds

| Target Compounds              | R.T.  | QIon | Response | Conc  | Units  | Ovalue |
|-------------------------------|-------|------|----------|-------|--------|--------|
| 16) Methylene chloride        | 3.06  | 84   | 2589     | 0.228 | ug/L   | 81     |
| 25) Chloroform                | 5.11  | 83   | 4932     | 0.251 | ug/L   | 97     |
| 27) 1,2-Dichloroethane        | 5.74  | 62   | 997      | 0.069 | ug/L # | 78     |
| 34) Trichloroethene           | 6.27  | 95   | 2247     | 0.198 | ug/L # | 9      |
| 35) Methylcyclohexane         | 6.70  | 83   | 10796    | 0.620 | ug/L # | 14     |
| 37) 1,2-Dichloropropane       | 6.70  | 63   | 5592     | 0.487 | ug/L # | 88     |
| 39) cis-1,3-Dichloropropene   | 7.58  | 75   | 1603     | 0.095 | ug/L # | 49     |
| 44) trans-1,3-Dichloropropene | 8.19  | 75   | 1215     | 0.077 | ug/L   | 88     |
| 48) 2-Hexanone                | 8.64  | 43   | 16166    | 2.352 | ug/L # | 74     |
| 59) 1,2,3-Trichloropropane    | 11.81 | 75   | 7738     | 0.910 | ug/L   | 93     |

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

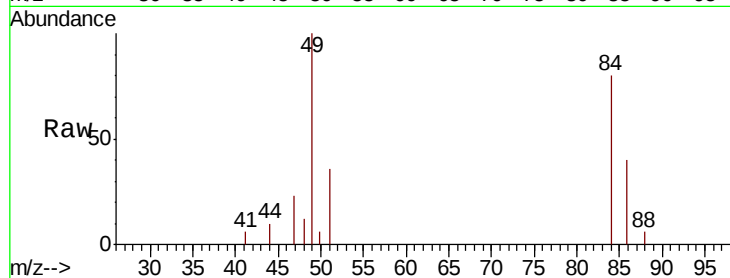




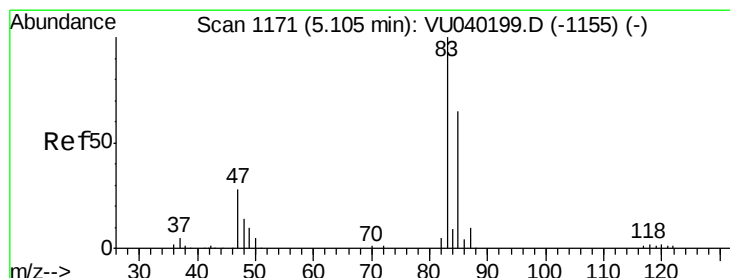
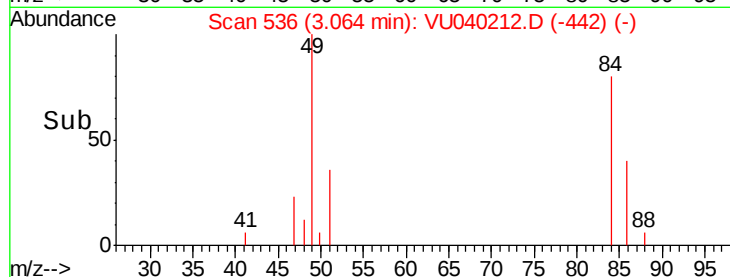
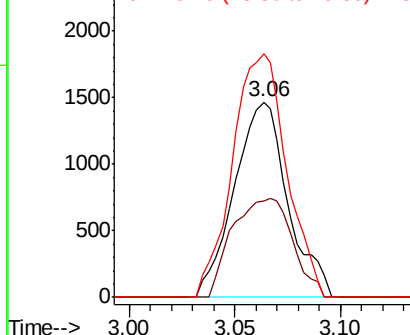
#16  
Methvlene chloride  
Concen: 0.228 ug/L  
RT: 3.06 min Scan# 536  
Delta R.T. 0.00 min  
Lab File: VU040212.D  
Acq: 18 Sep 2020 15:40

Instrument :  
MSVOA\_U  
ClientSampleId :  
VHBLK01

Tot Ion: 84 Resp: 2589  
Ion Ratio Lower Upper  
84 100  
86 49.3 45.2 84.0  
49 124.5 104.0 193.2

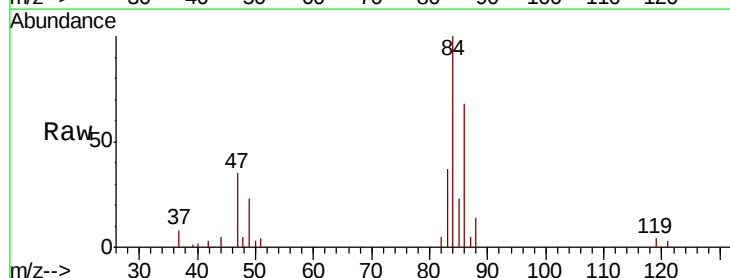


Abundance Ion 84.05 (83.75 to 84.75): VU0  
Ion 86.00 (85.70 to 86.70): VU0  
Ion 49.10 (48.80 to 49.80): VU0

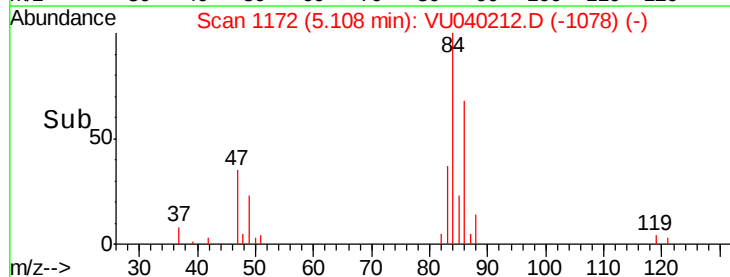
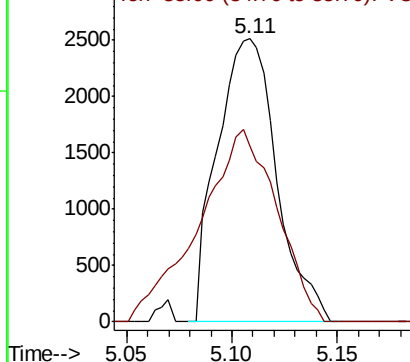


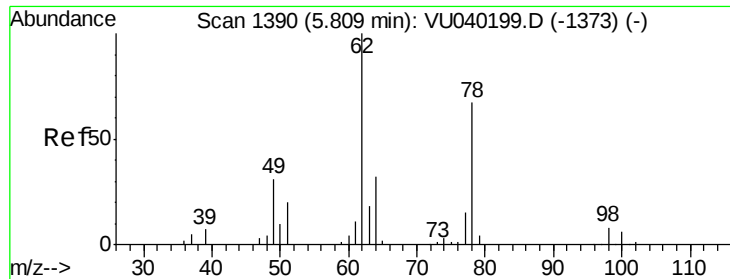
#25  
Chloroform  
Concen: 0.251 ug/L  
RT: 5.11 min Scan# 1172  
Delta R.T. 0.00 min  
Lab File: VU040212.D  
Acq: 18 Sep 2020 15:40

Tgt Ion: 83 Resp: 4932  
Ion Ratio Lower Upper  
83 100  
85 62.4 45.3 84.1



Abundance Ion 83.05 (82.75 to 83.75): VU0  
Ion 85.00 (84.70 to 85.70): VU0

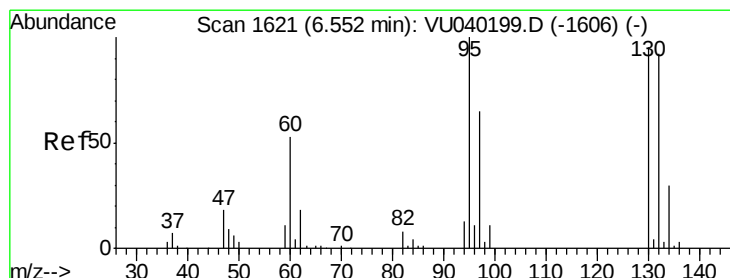
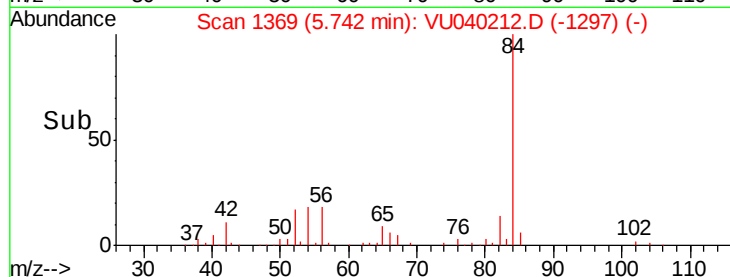
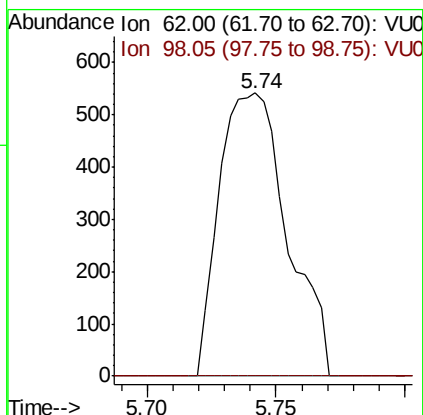
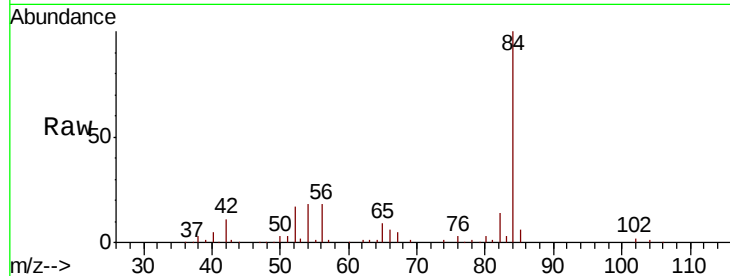




#27  
 1,2-Dichloroethane  
 Concen: 0.069 ug/L  
 RT: 5.74 min Scan# 1369  
 Delta R.T. -0.07 min  
 Lab File: VU040212.D  
 Acq: 18 Sep 2020 15:40

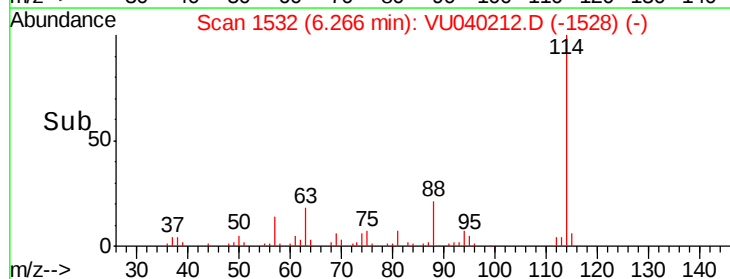
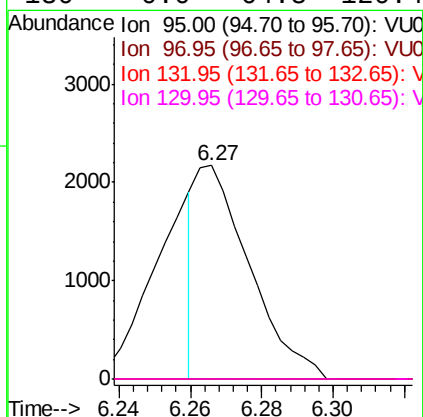
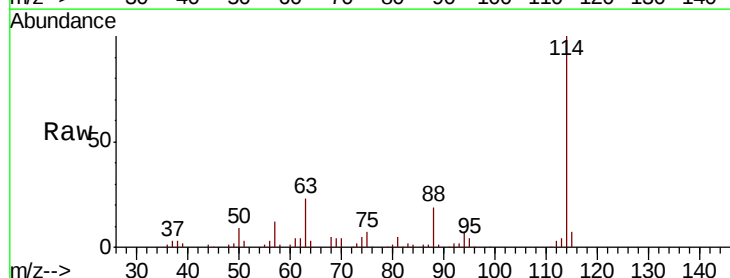
Instrument :  
 MSVOA\_U  
 ClientSampleId :  
 VHBLK01

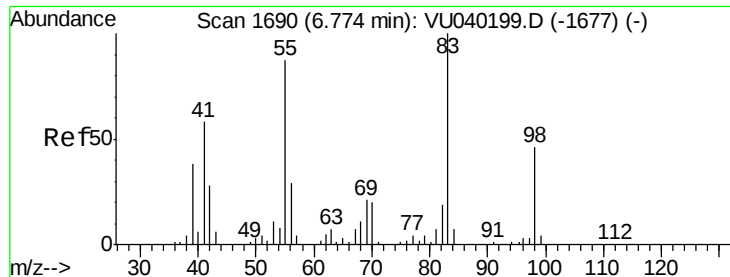
Tot Ion: 62 Resp: 997  
 Ion Ratio Lower Upper  
 62 100  
 98 0.0 6.1 9.1#



#34  
 Trichloroethene  
 Concen: 0.198 ug/L  
 RT: 6.27 min Scan# 1532  
 Delta R.T. -0.29 min  
 Lab File: VU040212.D  
 Acq: 18 Sep 2020 15:40

Tgt Ion: 95 Resp: 2247  
 Ion Ratio Lower Upper  
 95 100  
 97 0.0 43.3 80.5#  
 132 0.0 59.4 110.4#  
 130 0.0 64.8 120.4#

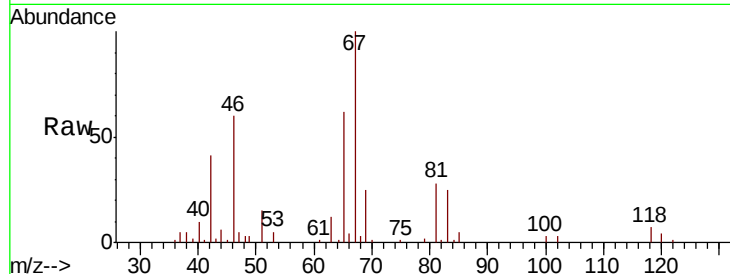




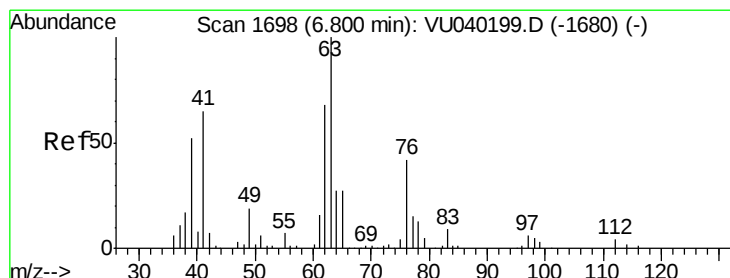
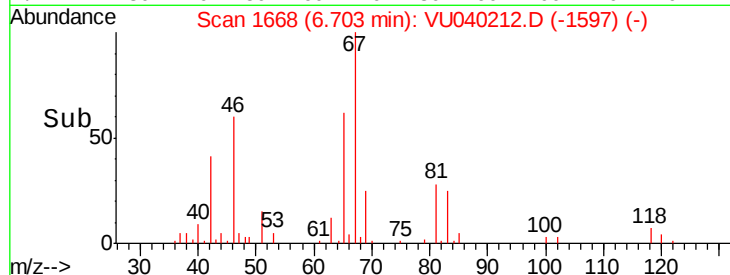
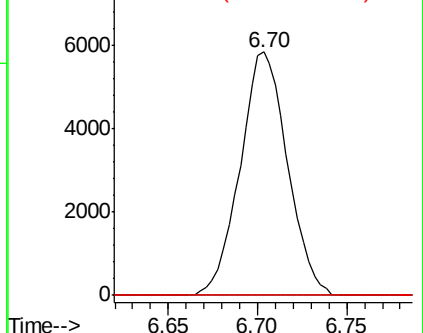
#35  
Methvlcvclohexane  
Concen: 0.620 ug/L  
RT: 6.70 min Scan# 1668  
Delta R.T. -0.07 min  
Lab File: VU040212.D  
Acq: 18 Sep 2020 15:40

Instrument :  
MSVOA\_U  
ClientSampleId :  
VHBLK01

| Tot Ion   | 83.15 | Resp  | 10796  |
|-----------|-------|-------|--------|
| Ion Ratio | Lower | Upper |        |
| 83        | 100   |       |        |
| 55        | 0.0   | 70.5  | 105.7# |
| 98        | 1.3   | 37.8  | 56.6#  |

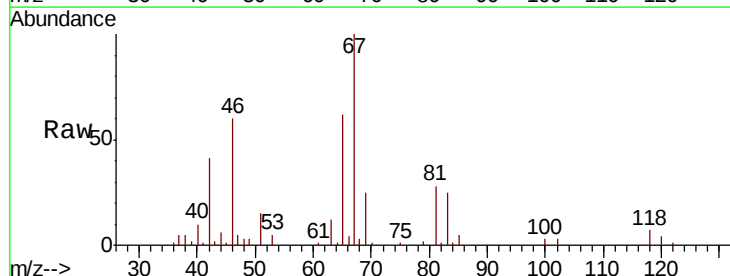


Abundance Ion 83.15 (82.85 to 83.85): VU0  
Ion 55.10 (54.80 to 55.80): VU0  
Ion 98.15 (97.85 to 98.85): VU0

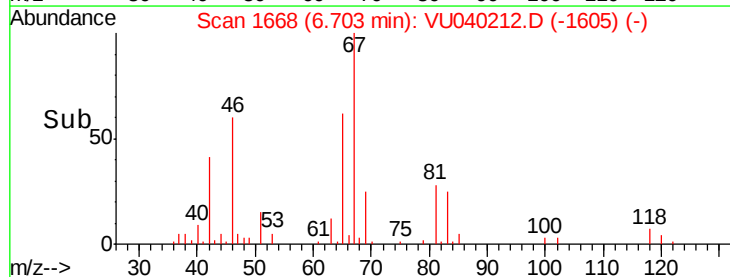
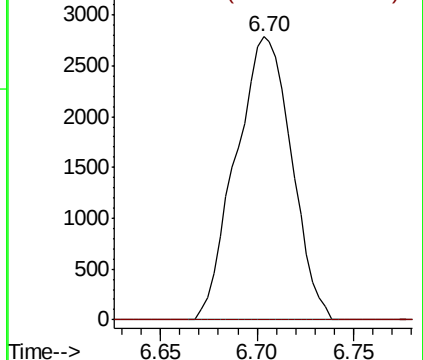


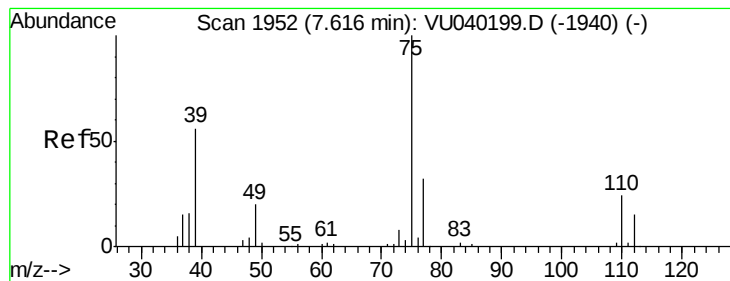
#37  
1,2-Dichloropropane  
Concen: 0.487 ug/L  
RT: 6.70 min Scan# 1668  
Delta R.T. -0.10 min  
Lab File: VU040212.D  
Acq: 18 Sep 2020 15:40

| Tgt Ion   | 63.10 | Resp  | 5592 |
|-----------|-------|-------|------|
| 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: 0.095 ug/L

RT: 7.58 min Scan# 1940

Delta R.T. -0.04 min

Lab File: VU040212.D

Acq: 18 Sep 2020 15:40

Instrument :

MSVOA\_U

ClientSampleId :

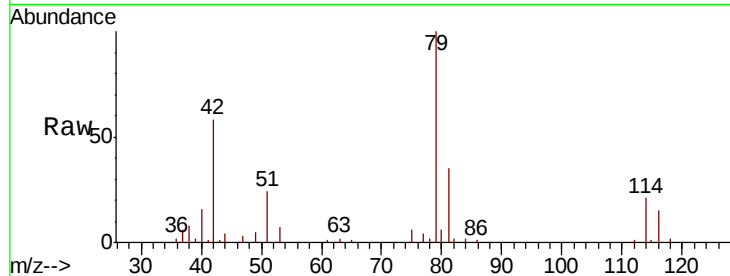
VHBLK01

Tot Ion: 75 Resp: 1603

Ion Ratio Lower Upper

75 100

77 57.9 21.1 39.3#



Abundance Ion 75.05 (74.75 to 75.75): VU0

Ion 77.05 (76.75 to 77.75): VU0

7.58

1000

800

600

400

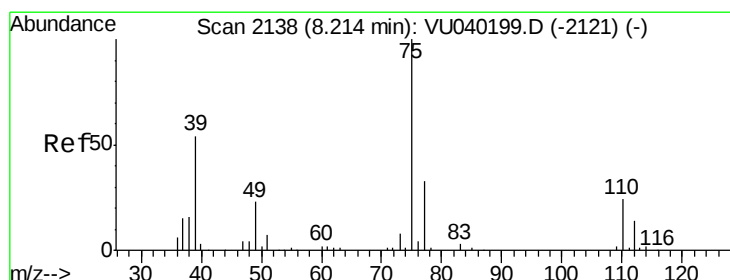
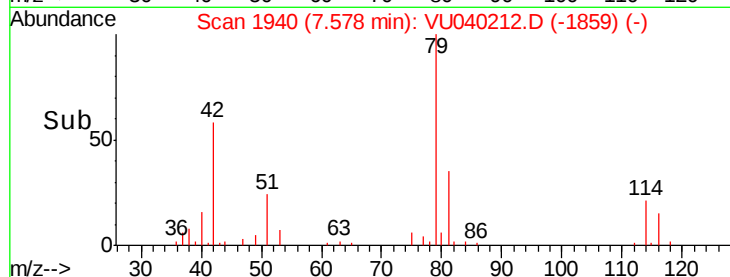
200

0

7.55

7.60

Time-->



#44

trans-1,3-Dichloropropene

Concen: 0.077 ug/L

RT: 8.19 min Scan# 2129

Delta R.T. -0.03 min

Lab File: VU040212.D

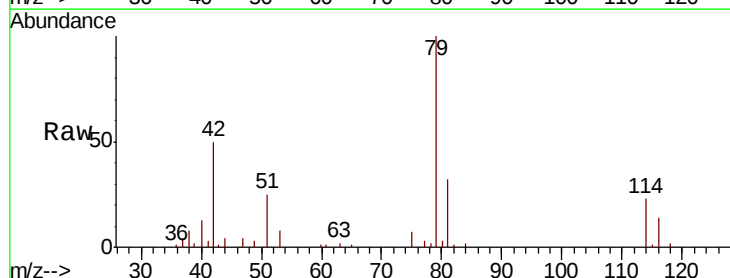
Acq: 18 Sep 2020 15:40

Tgt Ion: 75 Resp: 1215

Ion Ratio Lower Upper

75 100

77 41.1 23.9 44.3



Abundance Ion 75.05 (74.75 to 75.75): VU0

Ion 77.05 (76.75 to 77.75): VU0

8.19

800

600

400

200

0

8.14

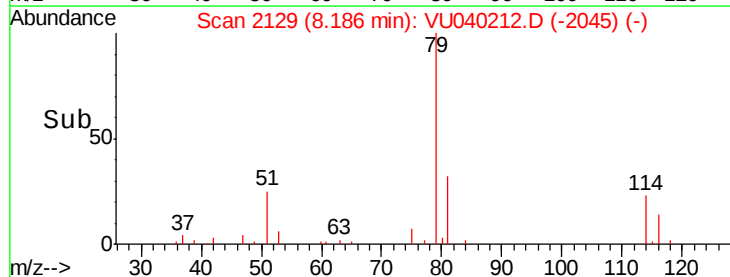
8.16

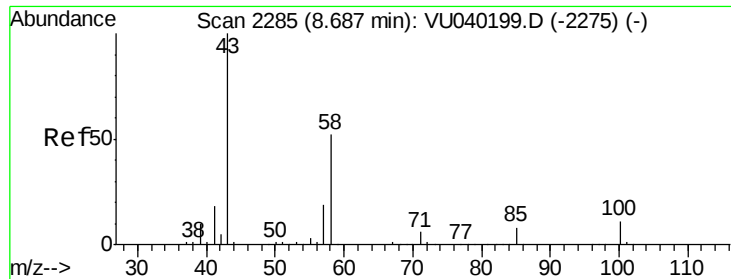
8.18

8.20

8.22

Time-->

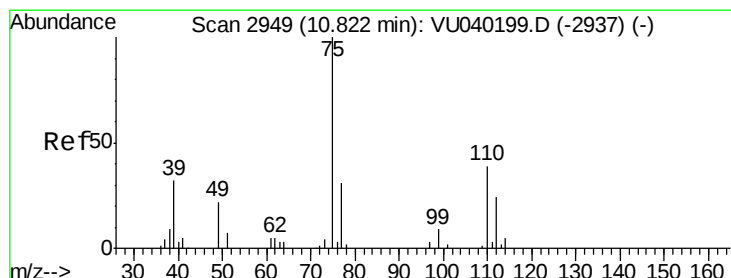
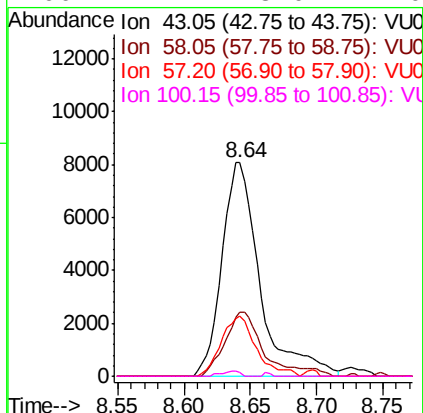
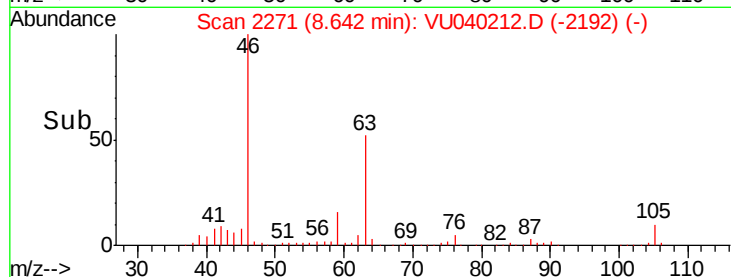
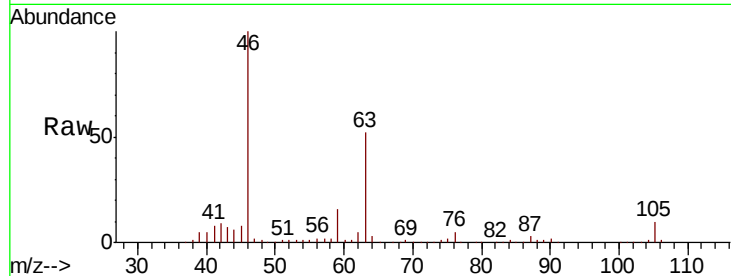




#48  
2-Hexanone  
Concen: 2.352 ug/L  
RT: 8.64 min Scan# 2271  
Delta R.T. -0.05 min  
Lab File: VU040212.D  
Acq: 18 Sep 2020 15:40

Instrument :  
MSVOA\_U  
ClientSampleId :  
VHBLK01

|          |       |       |       |
|----------|-------|-------|-------|
| Tot Ion: | 43    | Resp: | 16166 |
| Ion      | Ratio | Lower | Upper |
| 43       | 100   |       |       |
| 58       | 29.2  | 39.6  | 59.4# |
| 57       | 25.6  | 14.3  | 21.5# |
| 100      | 1.2   | 8.0   | 12.0# |



#59  
1,2,3-Trichloropropane  
Concen: 0.910 ug/L  
RT: 11.81 min Scan# 3255  
Delta R.T. 0.98 min  
Lab File: VU040212.D  
Acq: 18 Sep 2020 15:40

|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 75    | Resp: | 7738  |
| Ion      | Ratio | Lower | Upper |
| 75       | 100   |       |       |
| 77       | 35.2  | 24.9  | 37.3  |

