

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU093020\  
 Data File : VU040403.D  
 Acq On : 30 Sep 2020 16:49  
 Operator : SY/MD  
 Sample : L4139-12  
 Misc : 25.0mL/MSVOA U/WATER  
 ALS Vial : 17 Sample Multiplier: 1

Instrument :  
 MSVOA\_U  
 ClientSampleId :  
 VHBLK01

Quant Time: Oct 01 03:08:21 2020  
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_U\METHOD\SOMUTR092920WMA.M  
 Quant Title : TRACE VOA SOM01.0  
 QLast Update : Thu Oct 01 03:05:40 2020  
 Response via : Initial Calibration

| Internal Standards         | R.T.  | QIon | Response | Conc | Units | Dev(Min) |
|----------------------------|-------|------|----------|------|-------|----------|
| 1) 1,4-Difluorobenzene     | 6.26  | 114  | 126474   | 5.00 | ug/L  | 0.00     |
| 28) Chlorobenzene-d5       | 9.42  | 117  | 132182   | 5.00 | ug/L  | 0.00     |
| 60) 1,4-Dichlorobenzene-d4 | 11.81 | 152  | 56697    | 5.00 | ug/L  | 0.00     |

## System Monitoring Compounds

|                                |        |       |          |          |      |         |
|--------------------------------|--------|-------|----------|----------|------|---------|
| 4) Vinyl Chloride-d3           | 1.60   | 65    | 25467    | 4.07     | ug/L | 0.00    |
| Spiked Amount                  | 5.000  | Range | 40 - 130 | Recovery | =    | 81.40%  |
| 7) Chloroethane-d5             | 1.92   | 69    | 25215    | 4.60     | ug/L | 0.00    |
| Spiked Amount                  | 5.000  | Range | 65 - 130 | Recovery | =    | 92.00%  |
| 11) 1,1-Dichloroethene-d2      | 2.58   | 63    | 42301    | 2.81     | ug/L | 0.00    |
| Spiked Amount                  | 5.000  | Range | 60 - 125 | Recovery | =    | 56.20%# |
| 20) 2-Butanone-d5              | 4.66   | 46    | 150919   | 48.52    | ug/L | 0.00    |
| Spiked Amount                  | 50.000 | Range | 40 - 130 | Recovery | =    | 97.04%  |
| 24) Chloroform-d               | 5.08   | 84    | 66372    | 4.45     | ug/L | 0.00    |
| Spiked Amount                  | 5.000  | Range | 70 - 125 | Recovery | =    | 89.00%  |
| 26) 1,2-Dichloroethane-d4      | 5.72   | 65    | 42033    | 4.63     | ug/L | 0.00    |
| Spiked Amount                  | 5.000  | Range | 70 - 130 | Recovery | =    | 92.60%  |
| 32) Benzene-d6                 | 5.75   | 84    | 117310   | 4.42     | ug/L | 0.00    |
| Spiked Amount                  | 5.000  | Range | 70 - 125 | Recovery | =    | 88.40%  |
| 36) 1,2-Dichloropropane-d6     | 6.70   | 67    | 43707    | 4.50     | ug/L | 0.00    |
| Spiked Amount                  | 5.000  | Range | 60 - 140 | Recovery | =    | 90.00%  |
| 41) Toluene-d8                 | 7.91   | 98    | 92179    | 3.99     | ug/L | 0.00    |
| Spiked Amount                  | 5.000  | Range | 70 - 130 | Recovery | =    | 79.80%  |
| 43) trans-1,3-Dichloropropene- | 8.19   | 79    | 16584    | 4.18     | ug/L | 0.00    |
| Spiked Amount                  | 5.000  | Range | 55 - 130 | Recovery | =    | 83.60%  |
| 46) 2-Hexanone-d5              | 8.64   | 63    | 104196   | 44.65    | ug/L | 0.00    |
| Spiked Amount                  | 50.000 | Range | 45 - 130 | Recovery | =    | 89.30%  |
| 57) 1,1,2,2-Tetrachloroethane- | 10.75  | 84    | 41952    | 4.44     | ug/L | 0.00    |
| Spiked Amount                  | 5.000  | Range | 65 - 120 | Recovery | =    | 88.80%  |
| 64) 1,2-Dichlorobenzene-d4     | 12.19  | 152   | 43764    | 5.09     | ug/L | 0.00    |
| Spiked Amount                  | 5.000  | Range | 80 - 120 | Recovery | =    | 101.80% |

## Target Compounds

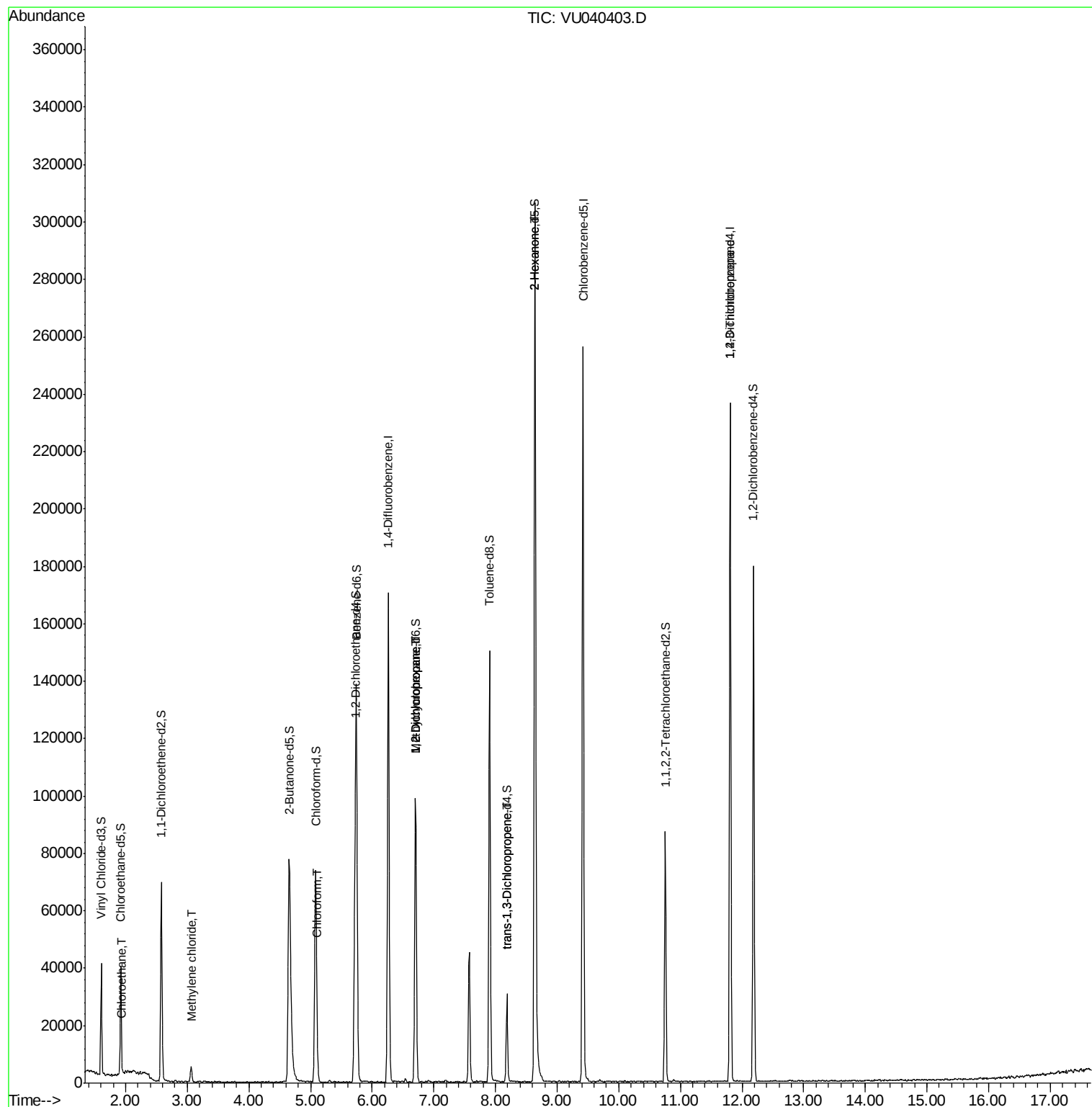
|                               |       |    |       |              | Ovalue |
|-------------------------------|-------|----|-------|--------------|--------|
| 8) Chloroethane               | 1.95  | 64 | 275   | 0.038 ug/L # | 44     |
| 16) Methylene chloride        | 3.06  | 84 | 2417  | 0.200 ug/L   | 94     |
| 25) Chloroform                | 5.11  | 83 | 4144  | 0.199 ug/L   | 99     |
| 35) Methylcyclohexane         | 6.70  | 83 | 10207 | 0.592 ug/L # | 14     |
| 37) 1,2-Dichloropropane       | 6.70  | 63 | 4879  | 0.395 ug/L # | 88     |
| 44) trans-1,3-Dichloropropene | 8.18  | 75 | 868   | 0.057 ug/L # | 47     |
| 48) 2-Hexanone                | 8.64  | 43 | 14293 | 2.007 ug/L # | 69     |
| 59) 1,2,3-Trichloropropane    | 11.81 | 75 | 8392  | 0.938 ug/L   | 95     |

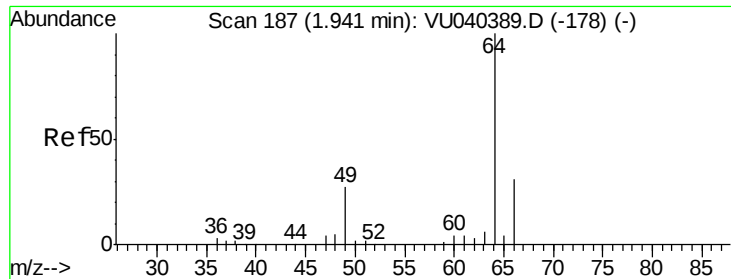
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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VHBLK01

Quant Time: Oct 01 03:08:21 2020  
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA\_U\METHOD\SOMUTR092920WMA.M  
Quant Title : TRACE VOA SOM01.0  
QLast Update : Thu Oct 01 03:05:40 2020  
Response via : Initial Calibration





#8

Chloroethane

Concen: 0.038 ug/L

RT: 1.95 min Scan# 190

Delta R.T. 0.01 min

Lab File: VU040403.D

Acq: 30 Sep 2020 16:49

Instrument :

MSVOA\_U

ClientSampled :

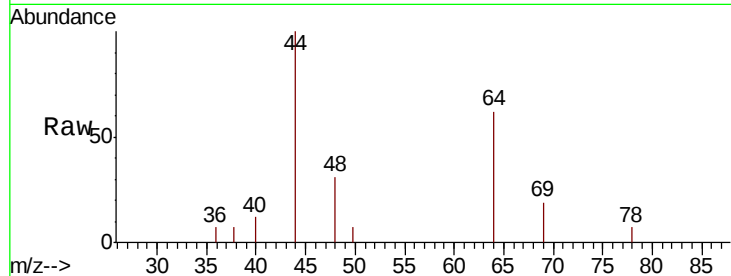
VHBLK01

Tot Ion: 64 Resp: 275

Ion Ratio Lower Upper

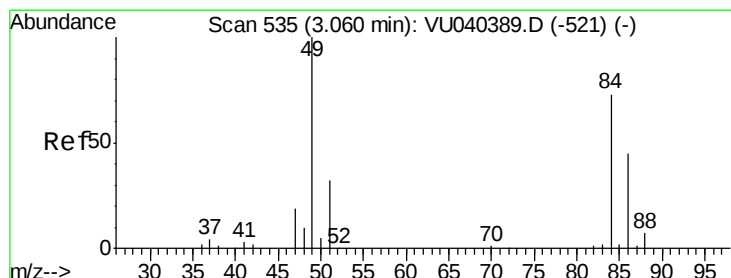
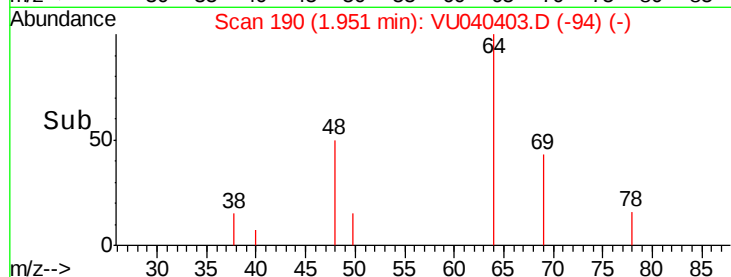
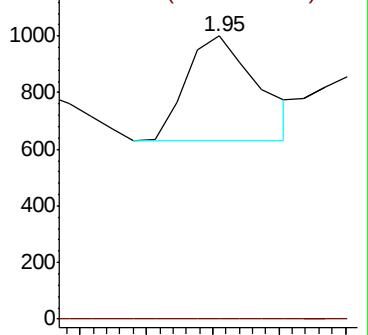
64 100

66 0.0 21.3 39.6#



Abundance Ion 64.10 (63.80 to 64.80): VU0

Ion 66.05 (65.75 to 66.75): VU0



#16

Methylene chloride

Concen: 0.200 ug/L

RT: 3.06 min Scan# 536

Delta R.T. 0.00 min

Lab File: VU040403.D

Acq: 30 Sep 2020 16:49

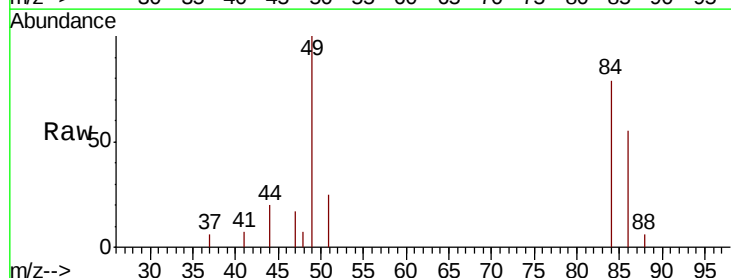
Tgt Ion: 84 Resp: 2417

Ion Ratio Lower Upper

84 100

86 69.8 44.4 82.5

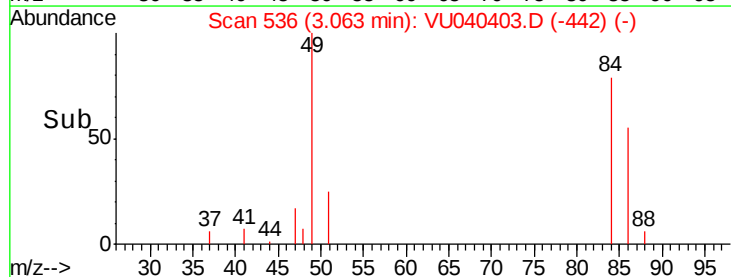
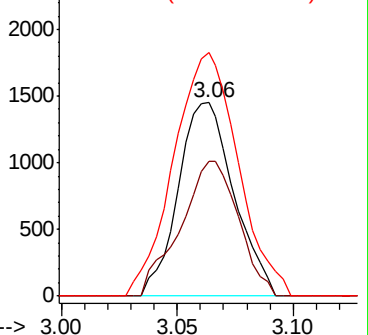
49 125.8 92.2 171.2

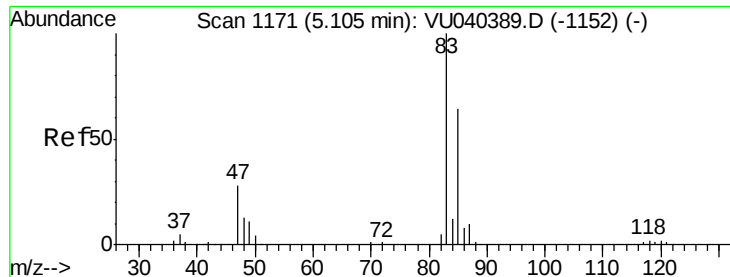


Abundance Ion 84.05 (83.75 to 84.75): VU0

Ion 86.00 (85.70 to 86.70): VU0

Ion 49.10 (48.80 to 49.80): VU0

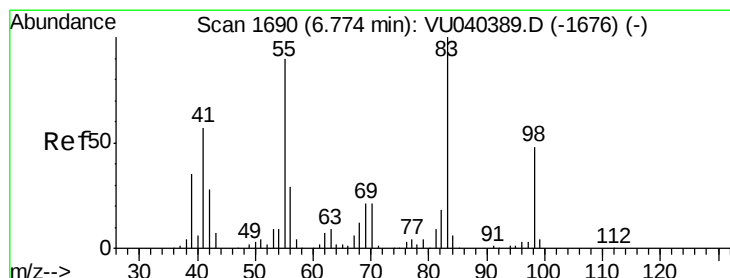
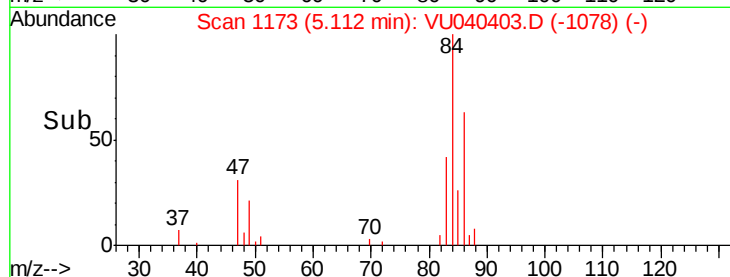
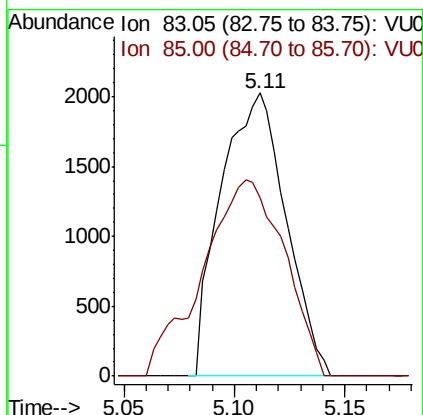
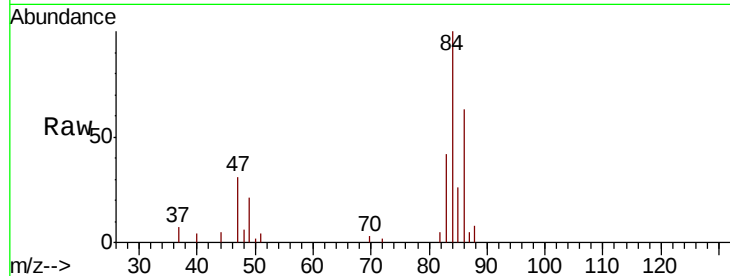




#25  
Chloroform  
Concen: 0.199 ug/L  
RT: 5.11 min Scan# 1173  
Delta R.T. 0.01 min  
Lab File: VU040403.D  
Acq: 30 Sep 2020 16:49

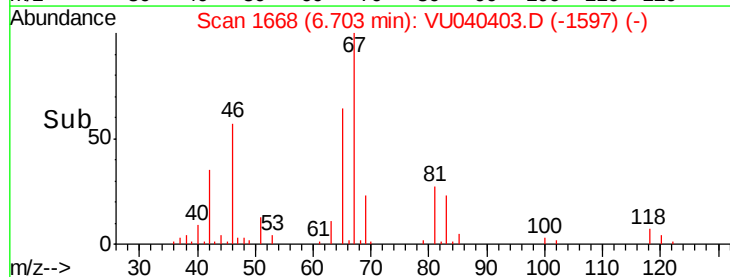
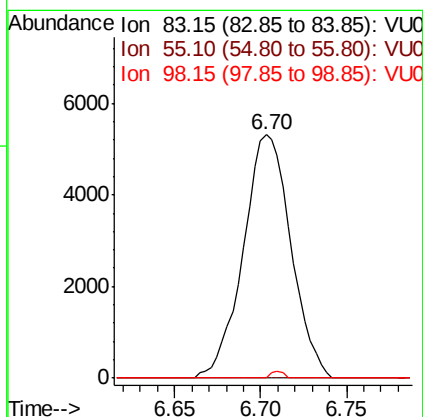
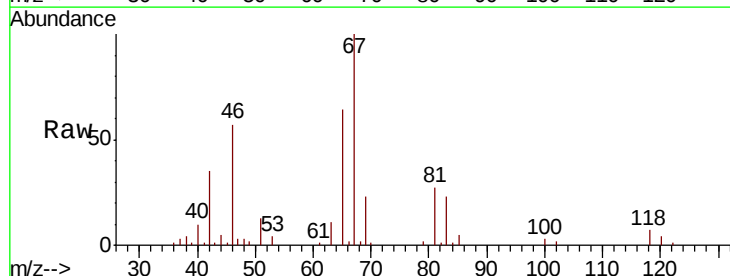
Instrument :  
MSVOA\_U  
ClientSampleId :  
VHBLK01

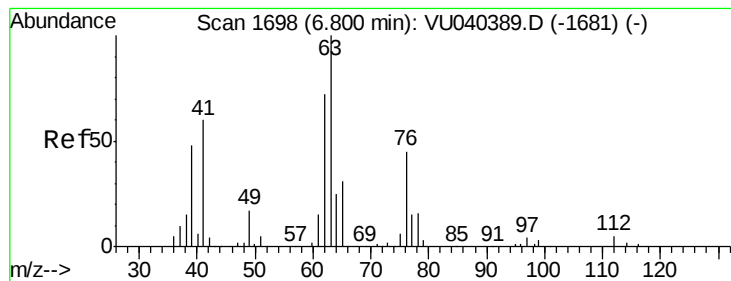
Tot Ion: 83 Resp: 4144  
Ion Ratio Lower Upper  
83 100  
85 63.0 44.6 82.8



#35  
Methylcyclohexane  
Concen: 0.592 ug/L  
RT: 6.70 min Scan# 1668  
Delta R.T. -0.07 min  
Lab File: VU040403.D  
Acq: 30 Sep 2020 16:49

Tgt Ion: 83 Resp: 10207  
Ion Ratio Lower Upper  
83 100  
55 0.0 71.4 107.2#  
98 0.7 38.5 57.7#





#37

1,2-Dichloropropane

Concen: 0.395 ug/L

RT: 6.70 min Scan# 1668

Delta R.T. -0.10 min

Lab File: VU040403.D

Acq: 30 Sep 2020 16:49

Instrument :

MSVOA\_U

ClientSampleId :

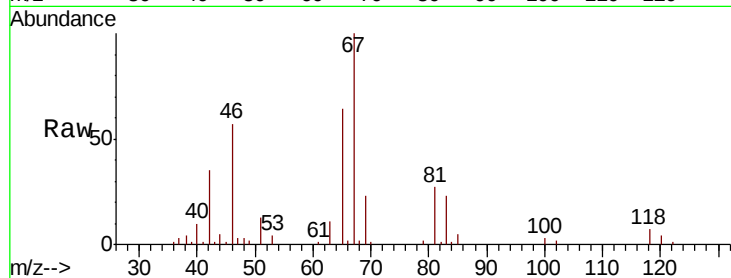
VHBLK01

Tot Ion: 63 Resp: 4879

Ion Ratio Lower Upper

63 100

112 0.0 3.2 4.8#



Abundance Ion 63.10 (62.80 to 63.80): VU040403.D (-1668) (-)

Ion 112.10 (111.80 to 112.80): VU040403.D (-1668) (-)

6.70

2500

2000

1500

1000

500

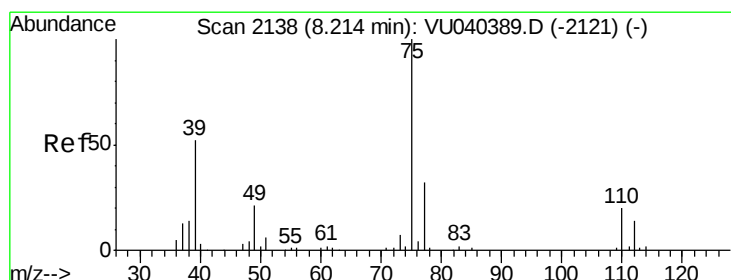
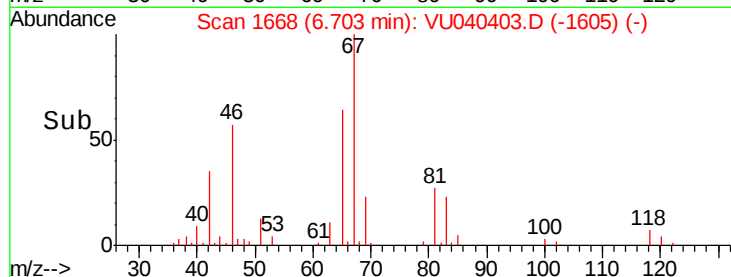
0

6.65

6.70

6.75

Time-->



#44

trans-1,3-Dichloropropene

Concen: 0.057 ug/L

RT: 8.18 min Scan# 2128

Delta R.T. -0.03 min

Lab File: VU040403.D

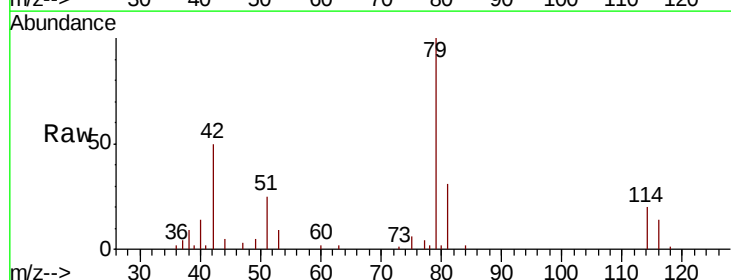
Acq: 30 Sep 2020 16:49

Tgt Ion: 75 Resp: 868

Ion Ratio Lower Upper

75 100

77 61.0 22.3 41.3#



Abundance Ion 75.05 (74.75 to 75.75): VU040403.D (-2128) (-)

Ion 77.05 (76.75 to 77.75): VU040403.D (-2128) (-)

8.18

600

400

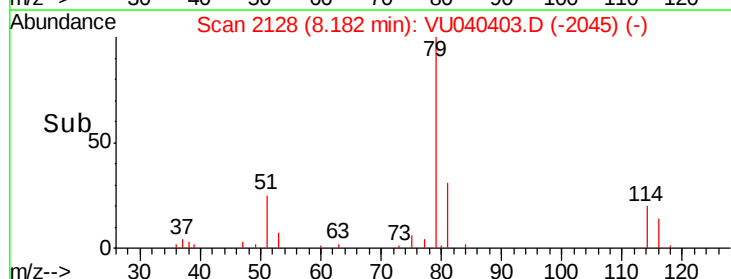
200

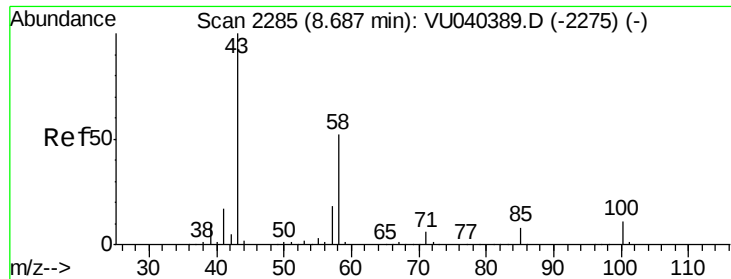
0

8.15

8.20

Time-->

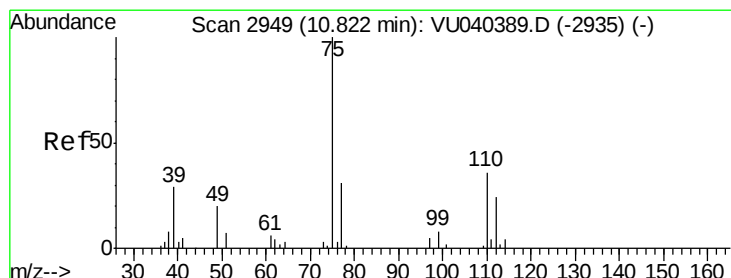
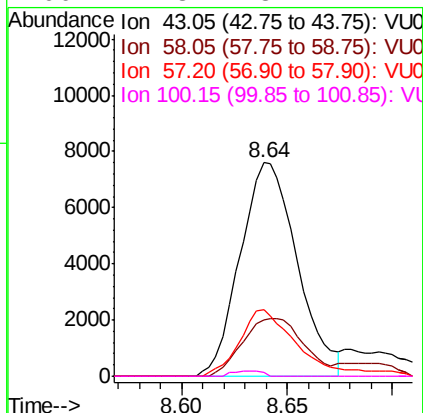
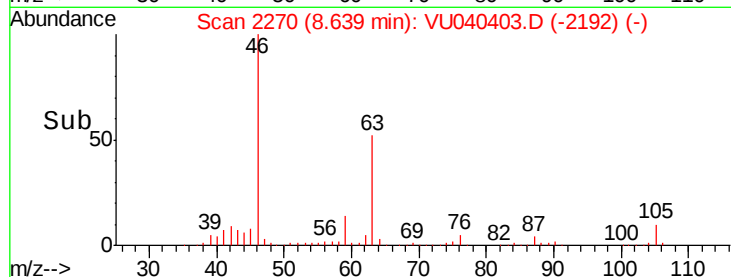
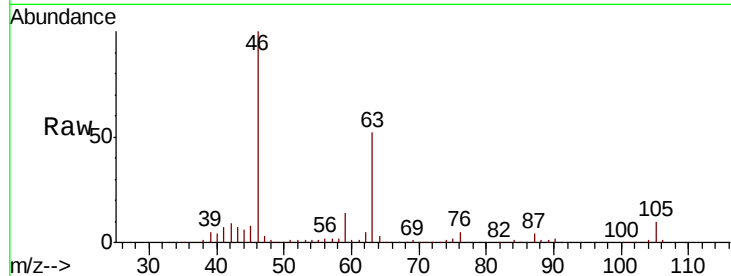




#48  
 2-Hexanone  
 Concen: 2.007 ug/L  
 RT: 8.64 min Scan# 2270  
 Delta R.T. -0.05 min  
 Lab File: VU040403.D  
 Acq: 30 Sep 2020 16:49

Instrument :  
 MSVOA\_U  
 ClientSampleId :  
 VHBLK01

|          |       |       |       |
|----------|-------|-------|-------|
| Tot Ion: | 43    | Resp: | 14293 |
| Ion      | Ratio | Lower | Upper |
| 43       | 100   |       |       |
| 58       | 28.9  | 41.0  | 61.4# |
| 57       | 32.1  | 14.6  | 22.0# |
| 100      | 1.3   | 8.2   | 12.4# |



#59  
 1,2,3-Trichloropropane  
 Concen: 0.938 ug/L  
 RT: 11.81 min Scan# 3256  
 Delta R.T. 0.99 min  
 Lab File: VU040403.D  
 Acq: 30 Sep 2020 16:49

|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 75    | Resp: | 8392  |
| Ion      | Ratio | Lower | Upper |
| 75       | 100   |       |       |
| 77       | 35.0  | 25.7  | 38.5  |

