

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\U100120\  
 Data File : VU040414.D  
 Acq On : 01 Oct 2020 11:07  
 Operator : SY/MD  
 Sample : L4139-12  
 Misc : 25.0mL/MSVOA U/WATER  
 ALS Vial : 5 Sample Multiplier: 1

Instrument :  
 MSVOA\_U  
 ClientSampleId :  
 VHBLK01

Quant Time: Oct 02 03:20:51 2020  
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_U\METHOD\SOMUTR092920WMA.M  
 Quant Title : TRACE VOA SOM01.0  
 QLast Update : Fri Oct 02 03:13:35 2020  
 Response via : Initial Calibration

| Internal Standards         | R.T.  | QIon | Response | Conc | Units | Dev(Min) |
|----------------------------|-------|------|----------|------|-------|----------|
| 1) 1,4-Difluorobenzene     | 6.26  | 114  | 123713   | 5.00 | ug/L  | 0.00     |
| 28) Chlorobenzene-d5       | 9.42  | 117  | 124597   | 5.00 | ug/L  | 0.00     |
| 60) 1,4-Dichlorobenzene-d4 | 11.81 | 152  | 54049    | 5.00 | ug/L  | 0.00     |

## System Monitoring Compounds

|                                |        |       |          |          |      |         |
|--------------------------------|--------|-------|----------|----------|------|---------|
| 4) Vinyl Chloride-d3           | 1.60   | 65    | 29819    | 4.87     | ug/L | 0.00    |
| Spiked Amount                  | 5.000  | Range | 40 - 130 | Recovery | =    | 97.40%  |
| 7) Chloroethane-d5             | 1.92   | 69    | 29808    | 5.56     | ug/L | 0.00    |
| Spiked Amount                  | 5.000  | Range | 65 - 130 | Recovery | =    | 111.20% |
| 11) 1,1-Dichloroethene-d2      | 2.58   | 63    | 50562    | 3.43     | ug/L | 0.00    |
| Spiked Amount                  | 5.000  | Range | 60 - 125 | Recovery | =    | 68.60%  |
| 20) 2-Butanone-d5              | 4.66   | 46    | 184526   | 60.65    | ug/L | 0.00    |
| Spiked Amount                  | 50.000 | Range | 40 - 130 | Recovery | =    | 121.30% |
| 24) Chloroform-d               | 5.08   | 84    | 77419    | 5.31     | ug/L | 0.00    |
| Spiked Amount                  | 5.000  | Range | 70 - 125 | Recovery | =    | 106.20% |
| 26) 1,2-Dichloroethane-d4      | 5.72   | 65    | 49873    | 5.62     | ug/L | 0.00    |
| Spiked Amount                  | 5.000  | Range | 70 - 130 | Recovery | =    | 112.40% |
| 32) Benzene-d6                 | 5.74   | 84    | 135558   | 5.41     | ug/L | 0.00    |
| Spiked Amount                  | 5.000  | Range | 70 - 125 | Recovery | =    | 108.20% |
| 36) 1,2-Dichloropropane-d6     | 6.70   | 67    | 50501    | 5.51     | ug/L | 0.00    |
| Spiked Amount                  | 5.000  | Range | 60 - 140 | Recovery | =    | 110.20% |
| 41) Toluene-d8                 | 7.91   | 98    | 105392   | 4.84     | ug/L | 0.00    |
| Spiked Amount                  | 5.000  | Range | 70 - 130 | Recovery | =    | 96.80%  |
| 43) trans-1,3-Dichloropropene- | 8.19   | 79    | 18872    | 5.05     | ug/L | 0.00    |
| Spiked Amount                  | 5.000  | Range | 55 - 130 | Recovery | =    | 101.00% |
| 46) 2-Hexanone-d5              | 8.64   | 63    | 125140   | 56.89    | ug/L | 0.00    |
| Spiked Amount                  | 50.000 | Range | 45 - 130 | Recovery | =    | 113.78% |
| 57) 1,1,2,2-Tetrachloroethane- | 10.75  | 84    | 50017    | 5.61     | ug/L | 0.00    |
| Spiked Amount                  | 5.000  | Range | 65 - 120 | Recovery | =    | 112.20% |
| 64) 1,2-Dichlorobenzene-d4     | 12.19  | 152   | 48813    | 5.96     | ug/L | 0.00    |
| Spiked Amount                  | 5.000  | Range | 80 - 120 | Recovery | =    | 119.20% |

## Target Compounds

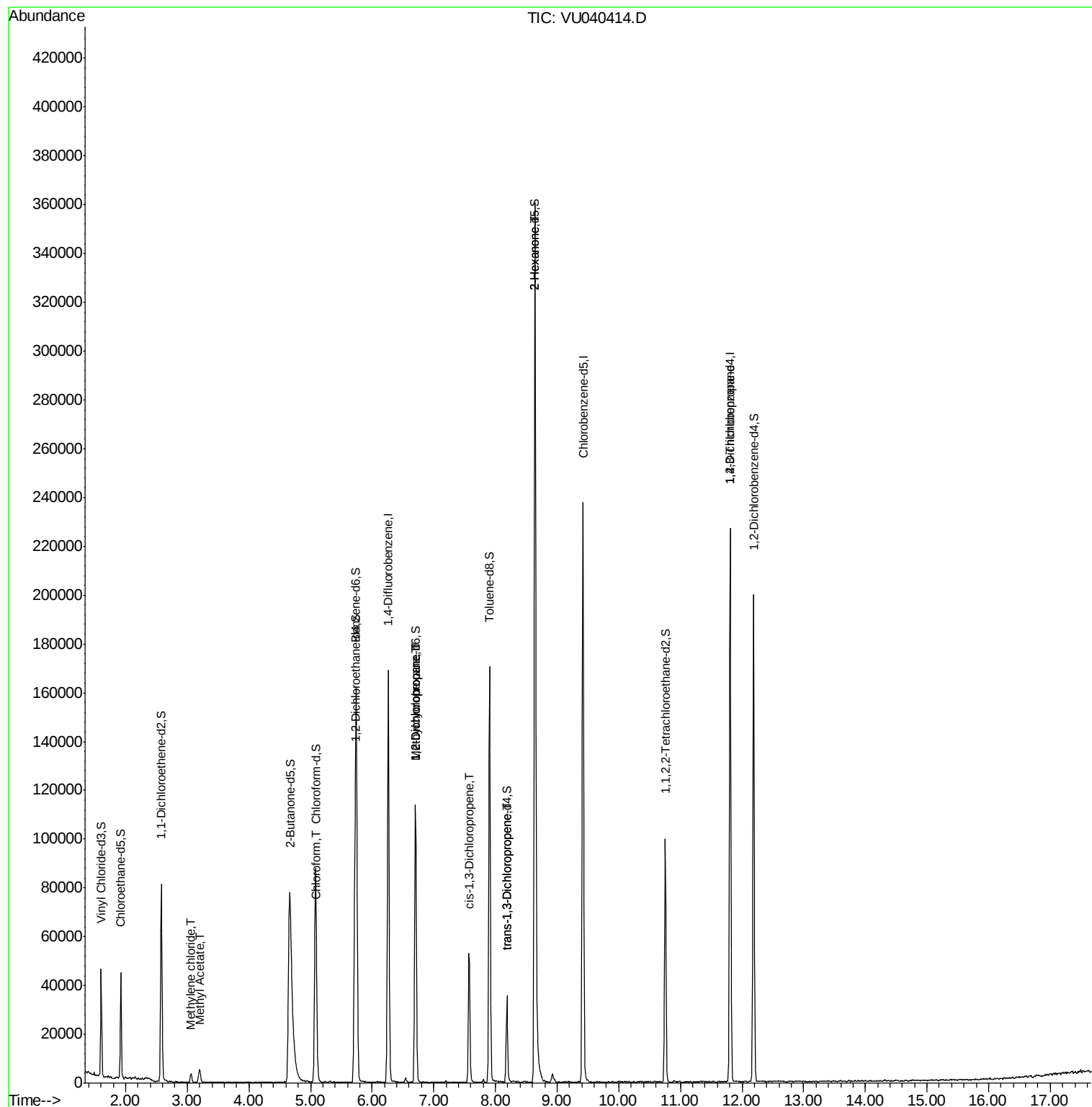
|                               |       |    |       |              | Ovalue |
|-------------------------------|-------|----|-------|--------------|--------|
| 15) Methyl Acetate            | 3.20  | 43 | 676   | 0.111 ug/L # | 56     |
| 16) Methylene chloride        | 3.06  | 84 | 1732  | 0.146 ug/L   | 89     |
| 25) Chloroform                | 5.11  | 83 | 4360  | 0.214 ug/L   | 88     |
| 35) Methylcyclohexane         | 6.70  | 83 | 12021 | 0.739 ug/L # | 15     |
| 37) 1,2-Dichloropropane       | 6.70  | 63 | 5926  | 0.509 ug/L # | 88     |
| 39) cis-1,3-Dichloropropene   | 7.57  | 75 | 1255  | 0.080 ug/L # | 58     |
| 44) trans-1,3-Dichloropropene | 8.19  | 75 | 1036  | 0.072 ug/L   | 84     |
| 48) 2-Hexanone                | 8.64  | 43 | 17897 | 2.666 ug/L # | 70     |
| 59) 1,2,3-Trichloropropane    | 11.81 | 75 | 7271  | 0.862 ug/L # | 81     |

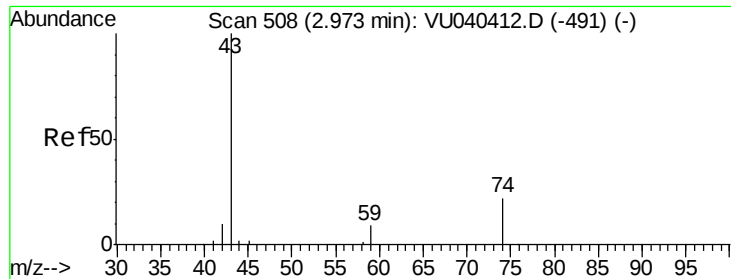
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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VHBLK01

Quant Time: Oct 02 03:20:51 2020  
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Quant Title : TRACE VOA SOM01.0  
QLast Update : Fri Oct 02 03:13:35 2020  
Response via : Initial Calibration





#15

Methvl Acetate

Concen: 0.111 ug/L

RT: 3.20 min Scan# 578

Delta R.T. 0.23 min

Lab File: VU040414.D

Acq: 01 Oct 2020 11:07

Instrument :

MSVOA\_U

ClientSampleId :

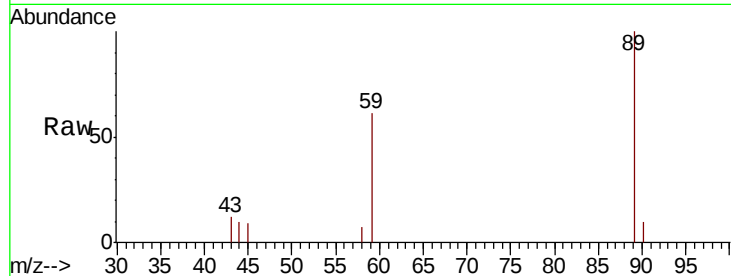
VHBLK01

Tot Ion: 43 Resp: 676

Ion Ratio Lower Upper

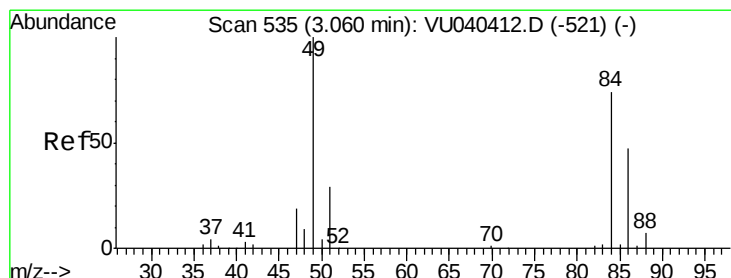
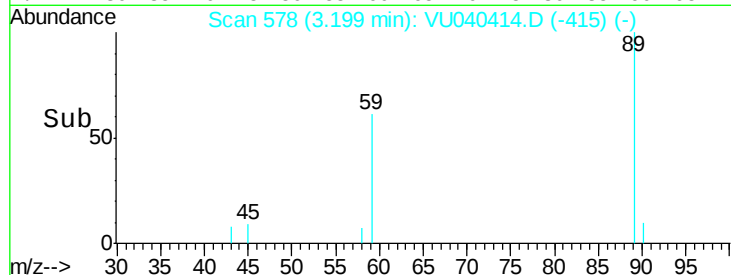
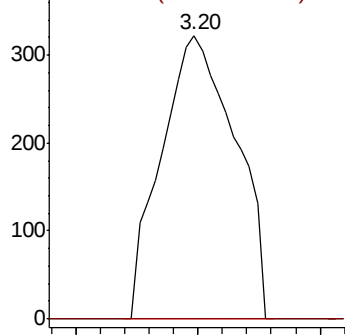
43 100

74 0.0 16.3 24.5#



Abundance Ion 43.05 (42.75 to 43.75): VU0

Ion 74.05 (73.75 to 74.75): VU0



#16

Methylene chloride

Concen: 0.146 ug/L

RT: 3.06 min Scan# 535

Delta R.T. 0.00 min

Lab File: VU040414.D

Acq: 01 Oct 2020 11:07

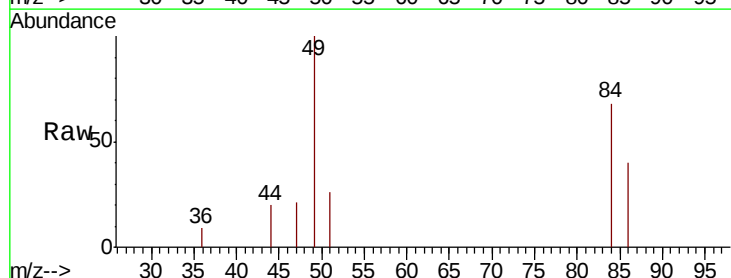
Tgt Ion: 84 Resp: 1732

Ion Ratio Lower Upper

84 100

86 59.1 44.4 82.5

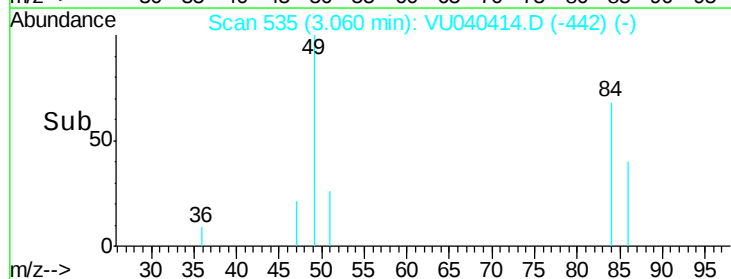
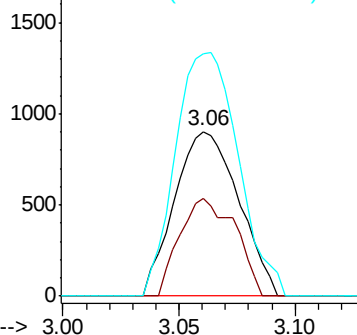
49 147.0 92.2 171.2

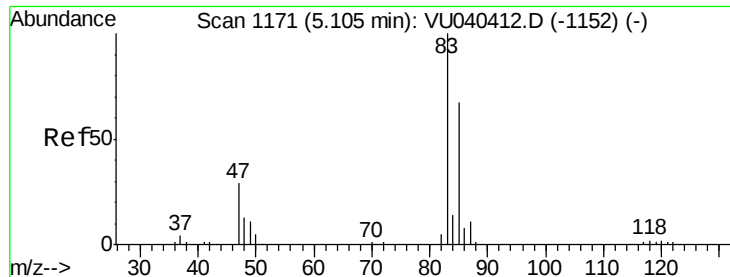


Abundance Ion 84.05 (83.75 to 84.75): VU0

Ion 86.00 (85.70 to 86.70): VU0

Ion 49.10 (48.80 to 49.80): VU0

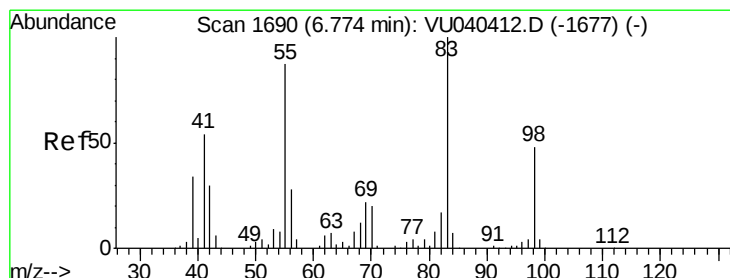
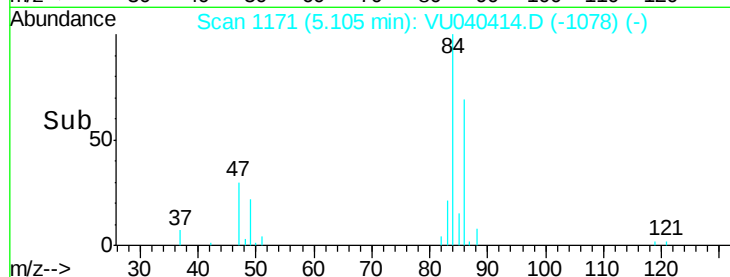
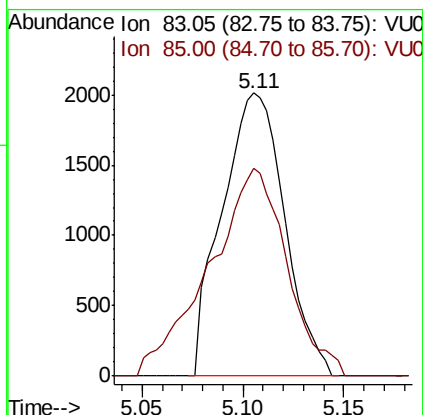
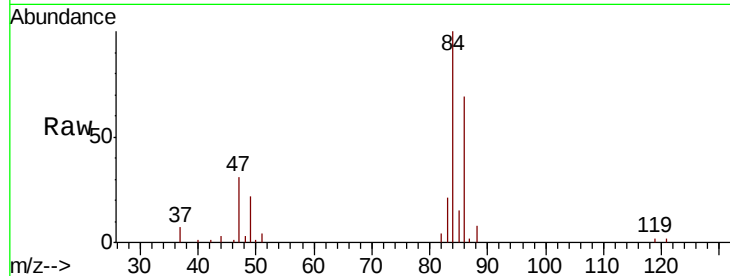




#25  
Chloroform  
Concen: 0.214 ug/L  
RT: 5.11 min Scan# 1171  
Delta R.T. 0.00 min  
Lab File: VU040414.D  
Acq: 01 Oct 2020 11:07

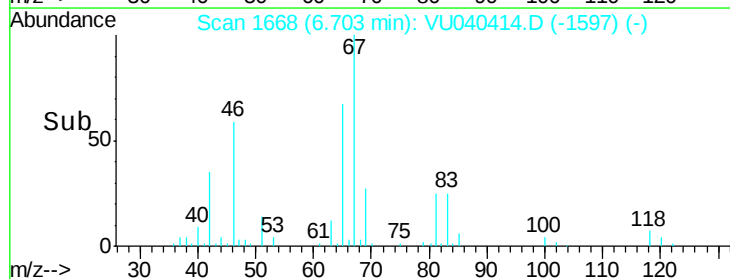
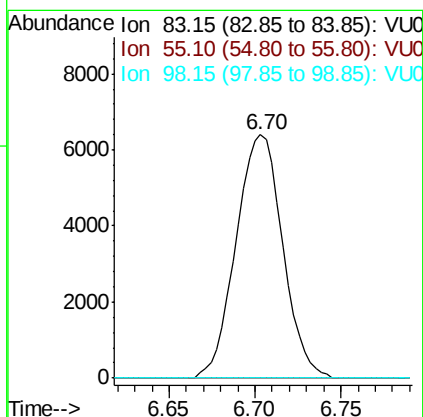
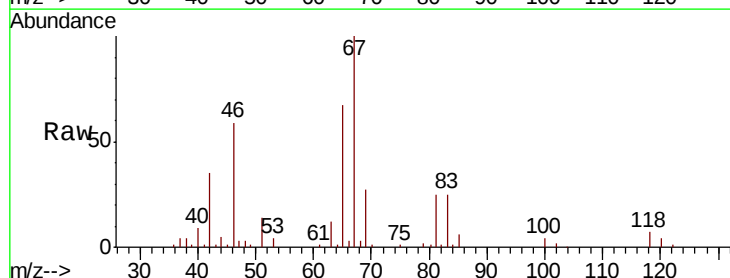
Instrument :  
MSVOA\_U  
ClientSampleId :  
VHBLK01

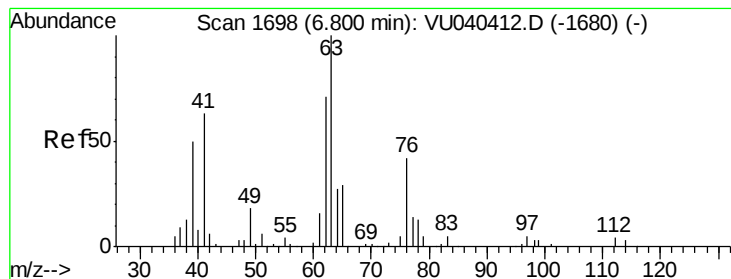
Tot Ion: 83 Resp: 4360  
Ion Ratio Lower Upper  
83 100  
85 73.2 44.6 82.8



#35  
Methylcyclohexane  
Concen: 0.739 ug/L  
RT: 6.70 min Scan# 1668  
Delta R.T. -0.07 min  
Lab File: VU040414.D  
Acq: 01 Oct 2020 11:07

Tgt Ion: 83 Resp: 12021  
Ion Ratio Lower Upper  
83 100  
55 0.0 71.4 107.2#  
98 2.9 38.5 57.7#





#37

1,2-Dichloropropane

Concen: 0.509 ug/L

RT: 6.70 min Scan# 1668

Delta R.T. -0.10 min

Lab File: VU040414.D

Acq: 01 Oct 2020 11:07

Instrument :

MSVOA\_U

ClientSampleId :

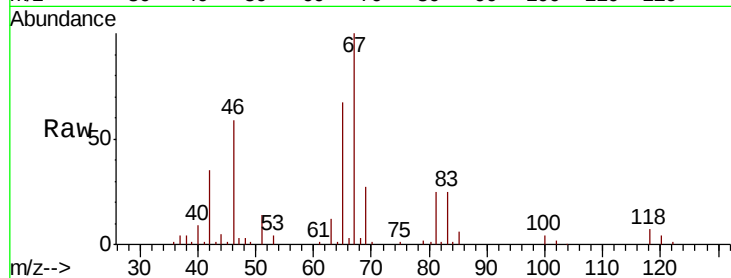
VHBLK01

Tot Ion: 63 Resp: 5926

Ion Ratio Lower Upper

63 100

112 0.0 3.2 4.8#



Abundance Ion 63.10 (62.80 to 63.80): VU040414.D (-1665) (-)

Ion 112.10 (111.80 to 112.80): VU040414.D (-1665) (-)

6.70

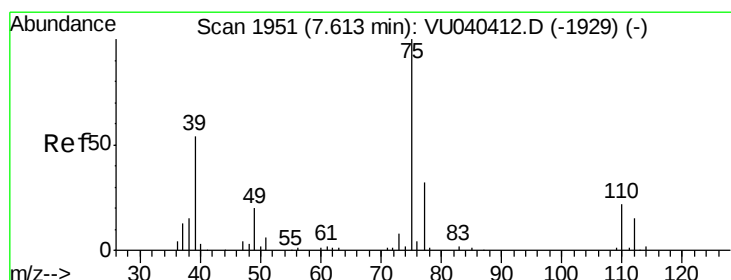
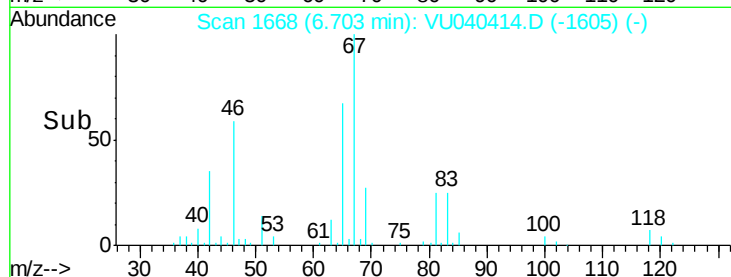
3000

2000

1000

0

Time-->



#39

cis-1,3-Dichloropropene

Concen: 0.080 ug/L

RT: 7.57 min Scan# 1938

Delta R.T. -0.04 min

Lab File: VU040414.D

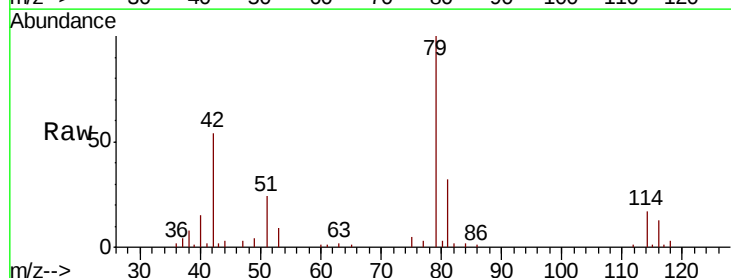
Acq: 01 Oct 2020 11:07

Tgt Ion: 75 Resp: 1255

Ion Ratio Lower Upper

75 100

77 57.8 23.5 43.7#



Abundance Ion 75.05 (74.75 to 75.75): VU040414.D (-1858) (-)

Ion 77.05 (76.75 to 77.75): VU040414.D (-1858) (-)

7.57

800

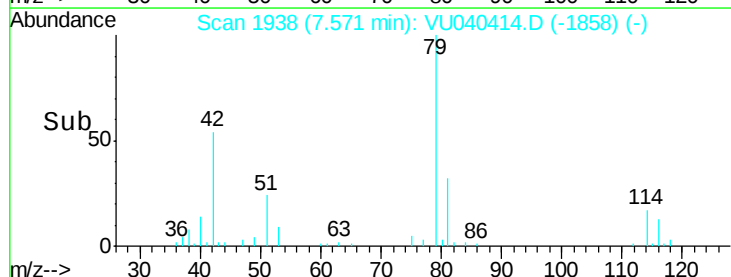
600

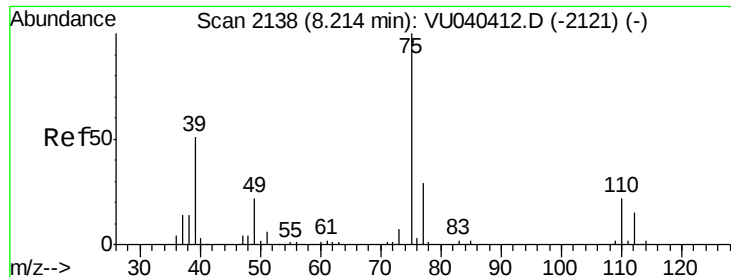
400

200

0

Time-->





#44

trans-1,3-Dichloropropene

Concen: 0.072 ug/L

RT: 8.19 min Scan# 2129

Delta R.T. -0.03 min

Lab File: VU040414.D

Acq: 01 Oct 2020 11:07

Instrument :

MSVOA\_U

ClientSampleId :

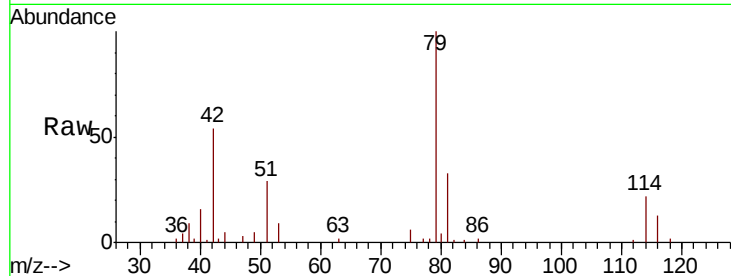
VHBLK01

Tot Ion: 75 Resp: 1036

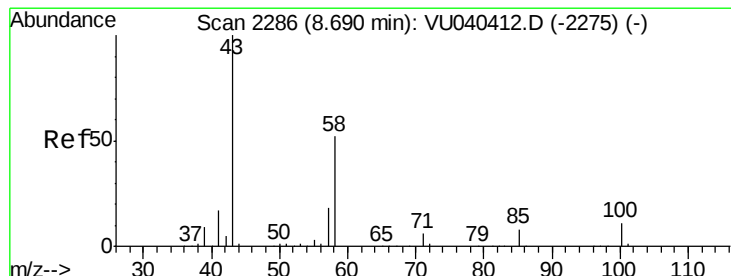
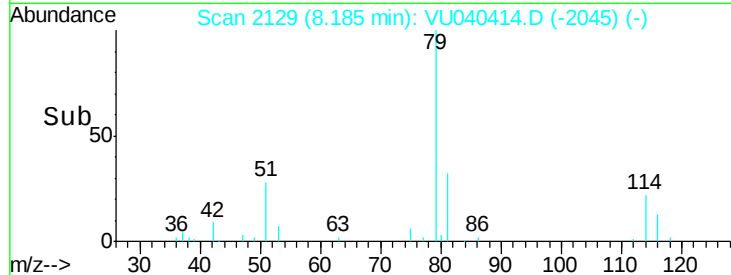
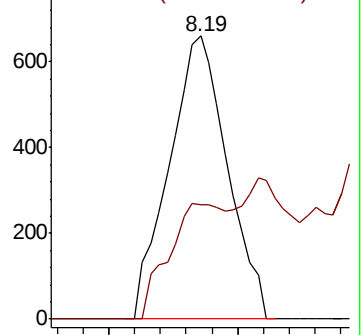
Ion Ratio Lower Upper

75 100

77 40.6 22.3 41.3



Abundance Ion 75.05 (74.75 to 75.75): VU040414.D (-2121) (-)



#48

2-Hexanone

Concen: 2.666 ug/L

RT: 8.64 min Scan# 2271

Delta R.T. -0.05 min

Lab File: VU040414.D

Acq: 01 Oct 2020 11:07

Tgt Ion: 43 Resp: 17897

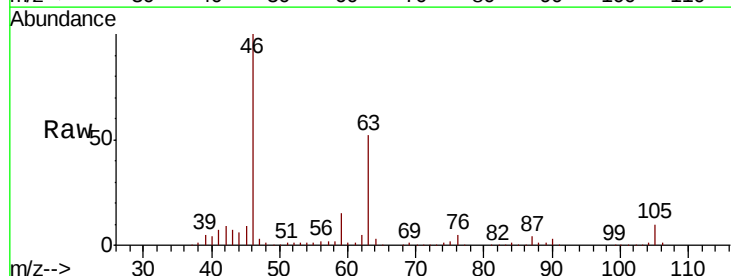
Ion Ratio Lower Upper

43 100

58 27.4 41.0 61.4#

57 27.1 14.6 22.0#

100 1.3 8.2 12.4#

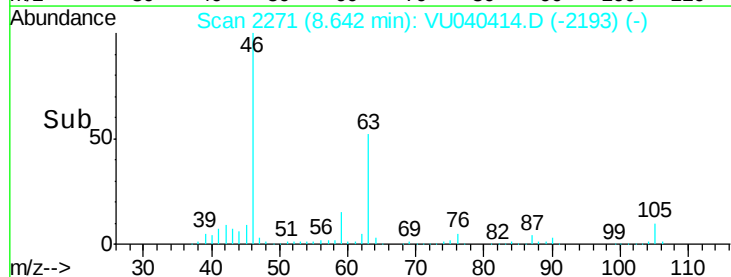
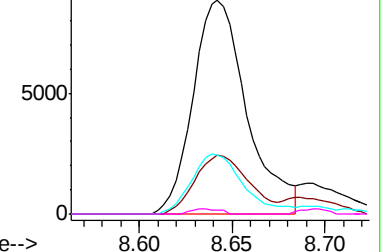


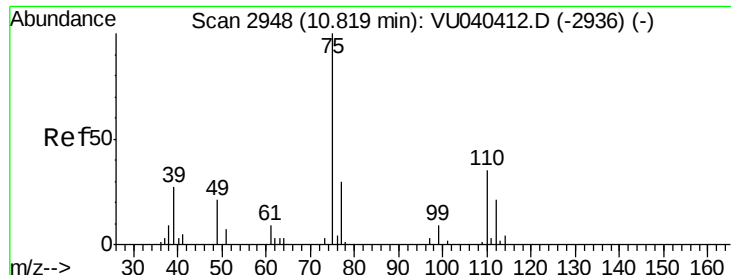
Abundance Ion 43.05 (42.75 to 43.75): VU040414.D (-2193) (-)

Ion 58.05 (57.75 to 58.75): VU040414.D (-2193) (-)

Ion 57.20 (56.90 to 57.90): VU040414.D (-2193) (-)

Ion 100.15 (99.85 to 100.85): VU040414.D (-2193) (-)





#59

1,2,3-Trichloropropane

Concen: 0.862 ug/L

RT: 11.81 min Scan# 3255

Delta R.T. 0.99 min

Lab File: VU040414.D

Acq: 01 Oct 2020 11:07

Instrument :

MSVOA\_U

ClientSampleId :

VHBLK01

Tot Ion: 75 Resp: 7271

Ion Ratio Lower Upper

75 100

77 42.4 25.7 38.5#

