

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU060420\  
 Data File : VU038515.D  
 Acq On : 03 Jun 2020 15:54  
 Operator : SY/MD  
 Sample : L2844-04RE  
 Misc : 25.0mL/MSVOA U/WATER  
 ALS Vial : 1 Sample Multiplier: 1

Instrument :  
 MSVOA\_U  
 ClientSampleId :  
 C0AF0

Quant Time: Jun 04 01:49:48 2020  
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_U\METHOD\SOMUTR053120WMA.M  
 Quant Title : TRACE VOA SOM01.0  
 QLast Update : Thu Jun 04 01:48:03 2020  
 Response via : Initial Calibration

| Internal Standards         | R.T.  | QIon | Response | Conc | Units | Dev(Min) |
|----------------------------|-------|------|----------|------|-------|----------|
| 1) 1,4-Difluorobenzene     | 6.28  | 114  | 343547   | 5.00 | ug/L  | 0.00     |
| 28) Chlorobenzene-d5       | 9.44  | 117  | 339553   | 5.00 | ug/L  | 0.00     |
| 60) 1,4-Dichlorobenzene-d4 | 11.83 | 152  | 160062   | 5.00 | ug/L  | 0.00     |

## System Monitoring Compounds

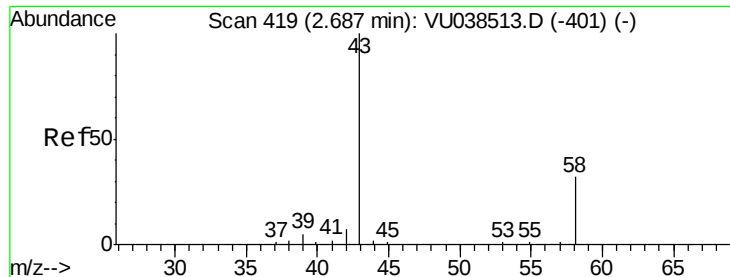
|                                |        |       |          |          |      |         |
|--------------------------------|--------|-------|----------|----------|------|---------|
| 4) Vinyl Chloride-d3           | 1.61   | 65    | 59090    | 2.66     | ug/L | 0.00    |
| Spiked Amount                  | 5.000  | Range | 40 - 130 | Recovery | =    | 53.20%  |
| 7) Chloroethane-d5             | 1.93   | 69    | 60606    | 3.55     | ug/L | 0.00    |
| Spiked Amount                  | 5.000  | Range | 65 - 130 | Recovery | =    | 71.00%  |
| 11) 1,1-Dichloroethene-d2      | 2.59   | 63    | 100654   | 2.30     | ug/L | 0.00    |
| Spiked Amount                  | 5.000  | Range | 60 - 125 | Recovery | =    | 46.00%# |
| 20) 2-Butanone-d5              | 4.68   | 46    | 336086   | 49.76    | ug/L | 0.00    |
| Spiked Amount                  | 50.000 | Range | 40 - 130 | Recovery | =    | 99.52%  |
| 24) Chloroform-d               | 5.10   | 84    | 168982   | 4.05     | ug/L | 0.00    |
| Spiked Amount                  | 5.000  | Range | 70 - 125 | Recovery | =    | 81.00%  |
| 26) 1,2-Dichloroethane-d4      | 5.74   | 65    | 103585   | 4.37     | ug/L | 0.00    |
| Spiked Amount                  | 5.000  | Range | 70 - 130 | Recovery | =    | 87.40%  |
| 32) Benzene-d6                 | 5.76   | 84    | 325635   | 3.84     | ug/L | 0.00    |
| Spiked Amount                  | 5.000  | Range | 70 - 125 | Recovery | =    | 76.80%  |
| 36) 1,2-Dichloropropane-d6     | 6.72   | 67    | 107332   | 4.12     | ug/L | 0.00    |
| Spiked Amount                  | 5.000  | Range | 60 - 140 | Recovery | =    | 82.40%  |
| 41) Toluene-d8                 | 7.92   | 98    | 268463   | 3.53     | ug/L | 0.00    |
| Spiked Amount                  | 5.000  | Range | 70 - 130 | Recovery | =    | 70.60%  |
| 43) trans-1,3-Dichloropropene- | 8.20   | 79    | 43565    | 3.89     | ug/L | 0.00    |
| Spiked Amount                  | 5.000  | Range | 55 - 130 | Recovery | =    | 77.80%  |
| 46) 2-Hexanone-d5              | 8.66   | 63    | 272097   | 49.15    | ug/L | 0.00    |
| Spiked Amount                  | 50.000 | Range | 45 - 130 | Recovery | =    | 98.30%  |
| 57) 1,1,2,2-Tetrachloroethane- | 10.77  | 84    | 98750    | 4.46     | ug/L | 0.00    |
| Spiked Amount                  | 5.000  | Range | 65 - 120 | Recovery | =    | 89.20%  |
| 64) 1,2-Dichlorobenzene-d4     | 12.21  | 152   | 118795   | 4.30     | ug/L | 0.00    |
| Spiked Amount                  | 5.000  | Range | 80 - 120 | Recovery | =    | 86.00%  |

## Target Compounds

|                             |       |    |       |       | Ovalue    |
|-----------------------------|-------|----|-------|-------|-----------|
| 13) Acetone                 | 2.68  | 43 | 5771  | 1.306 | ug/L 81   |
| 14) Carbon disulfide        | 2.82  | 76 | 5480  | 0.076 | ug/L # 92 |
| 35) Methylcyclohexane       | 6.72  | 83 | 25600 | 0.673 | ug/L # 17 |
| 37) 1,2-Dichloropropane     | 6.73  | 63 | 11458 | 0.481 | ug/L # 87 |
| 39) cis-1,3-Dichloropropene | 7.59  | 75 | 3202  | 0.091 | ug/L # 64 |
| 48) 2-Hexanone              | 8.71  | 43 | 16045 | 1.243 | ug/L # 93 |
| 59) 1,2,3-Trichloropropane  | 11.83 | 75 | 21692 | 1.220 | ug/L 90   |

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





#13

Acetone

Concen: 1.306 ug/L

RT: 2.68 min Scan# 417

Delta R.T. -0.01 min

Lab File: VU038515.D

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Instrument :

MSVOA\_U

ClientSampleId :

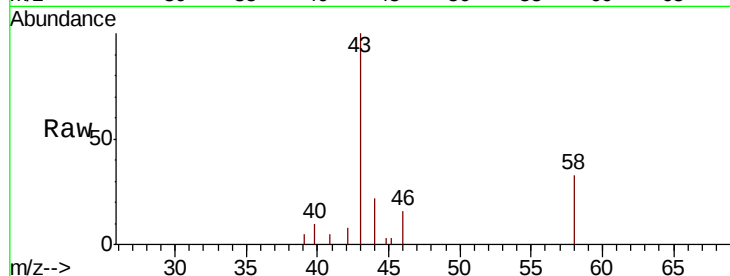
C0AF0

Tot Ion: 43 Resp: 5771

Ion Ratio Lower Upper

43 100

58 43.4 0.0 65.6



Abundance Ion 43.05 (42.75 to 43.75): VU038515.D (-326) (-)

Ion 58.05 (57.75 to 58.75): VU038515.D (-326) (-)

2.68

4000

3000

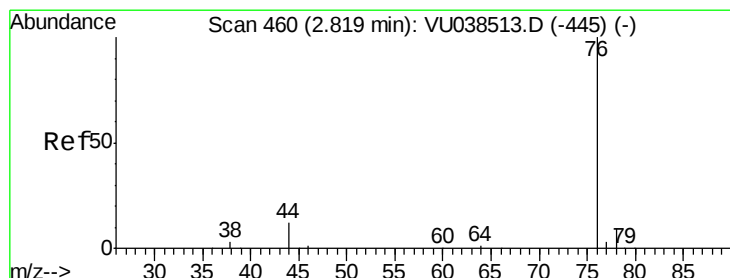
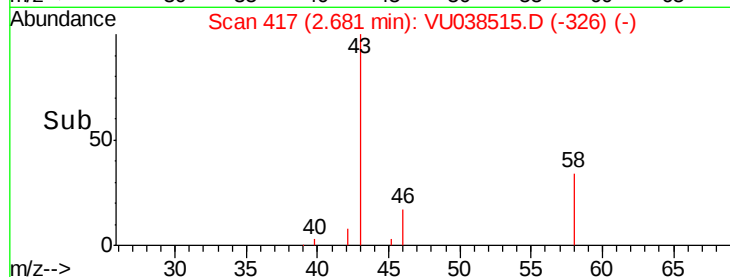
2000

1000

0

Time-->

2.65 2.70



#14

Carbon disulfide

Concen: 0.076 ug/L

RT: 2.82 min Scan# 459

Delta R.T. -0.00 min

Lab File: VU038515.D

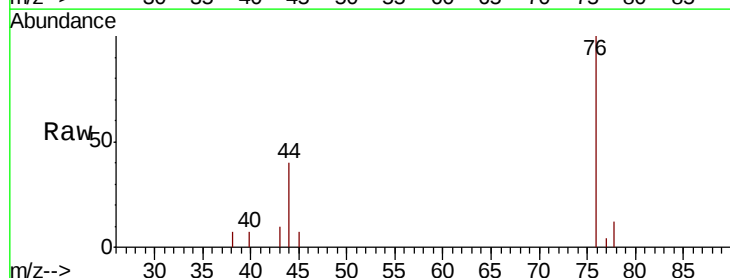
Acq: 03 Jun 2020 15:54

Tgt Ion: 76 Resp: 5480

Ion Ratio Lower Upper

76 100

78 12.1 7.3 10.9#



Abundance Ion 76.05 (75.75 to 76.75): VU038515.D (-367) (-)

Ion 78.00 (77.70 to 78.70): VU038515.D (-367) (-)

2.82

3000

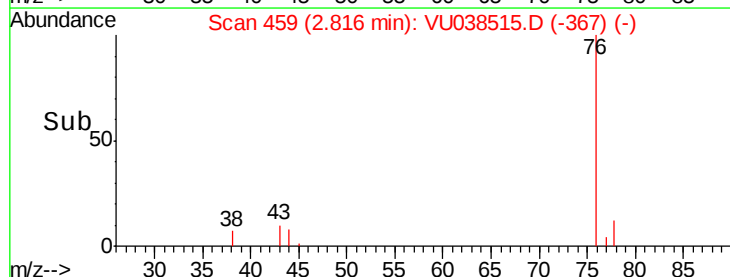
2000

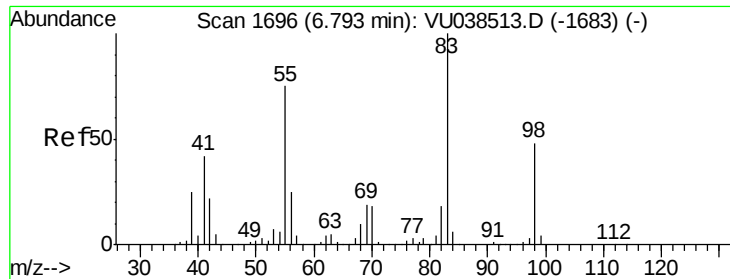
1000

0

Time-->

2.75 2.80 2.85

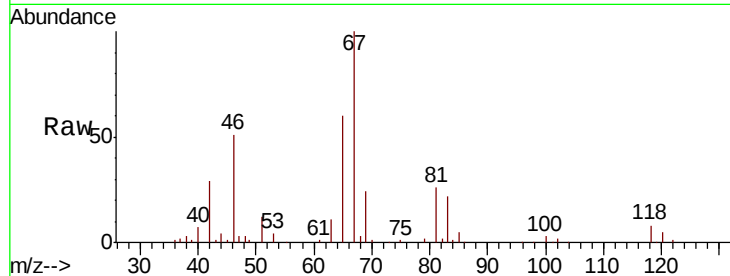




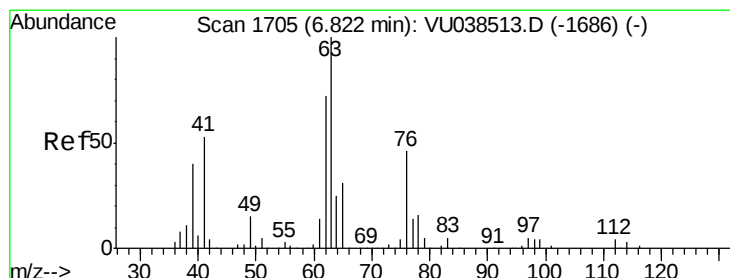
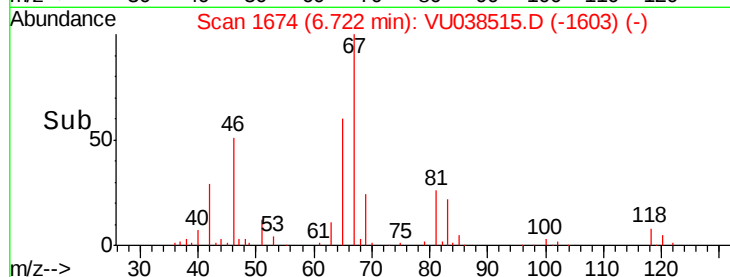
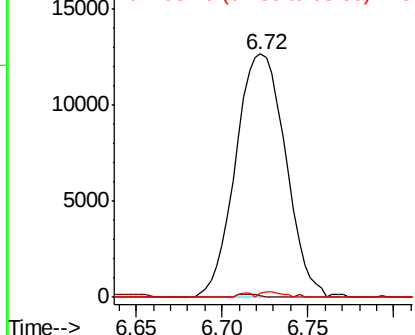
#35  
Methvlcvclohexane  
Concen: 0.673 ug/L  
RT: 6.72 min Scan# 1674  
Delta R.T. -0.07 min  
Lab File: VU038515.D  
Acq: 03 Jun 2020 15:54

Instrument :  
MSVOA\_U  
ClientSampleId :  
C0AF0

Tot Ion: 83 Resp: 25600  
Ion Ratio Lower Upper  
83 100  
55 0.1 63.4 95.2#  
98 1.0 39.0 58.4#

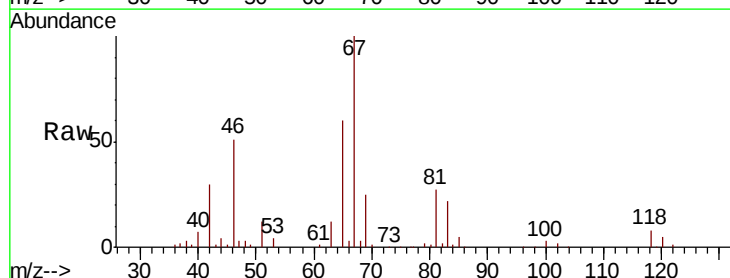


Abundance Ion 83.15 (82.85 to 83.85): VU0  
Ion 55.10 (54.80 to 55.80): VU0  
Ion 98.15 (97.85 to 98.85): VU0

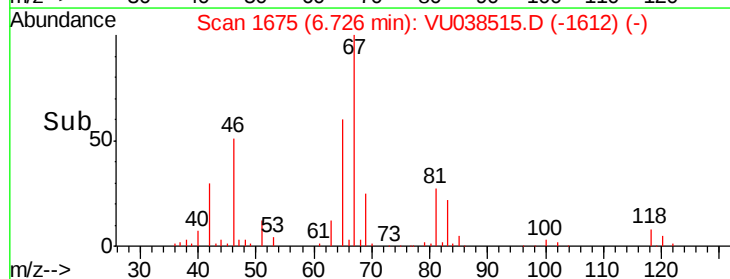
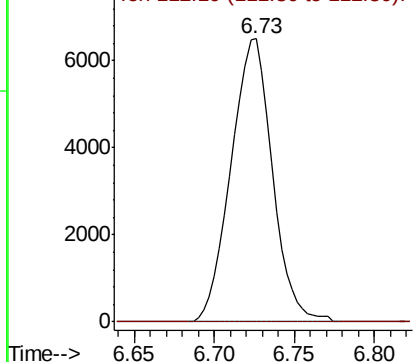


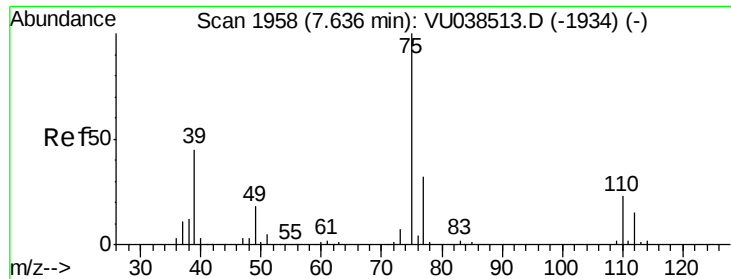
#37  
1,2-Dichloropropane  
Concen: 0.481 ug/L  
RT: 6.73 min Scan# 1675  
Delta R.T. -0.10 min  
Lab File: VU038515.D  
Acq: 03 Jun 2020 15:54

Tgt Ion: 63 Resp: 11458  
Ion Ratio Lower Upper  
63 100  
112 0.4 3.7 5.5#



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

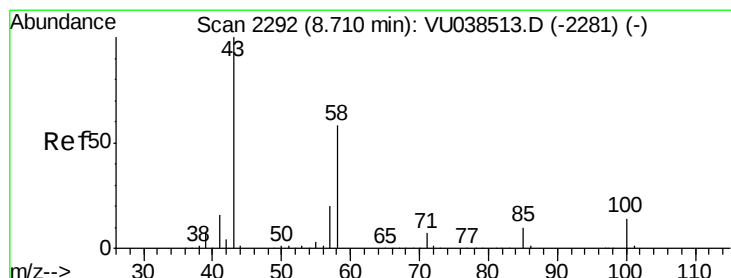
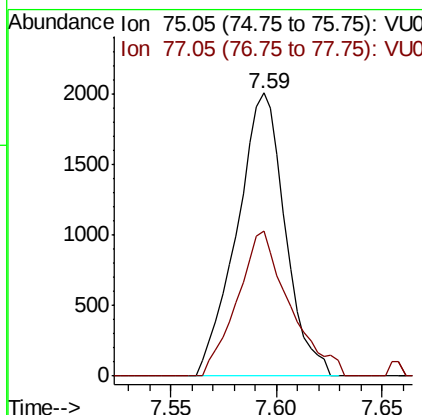
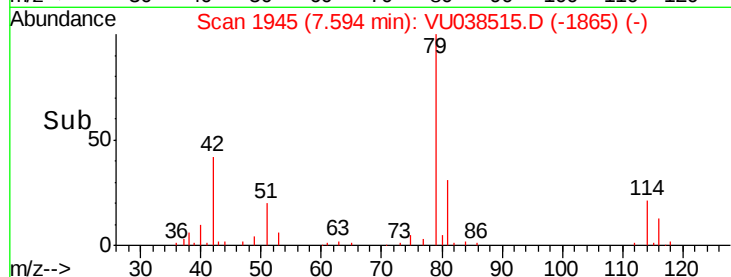
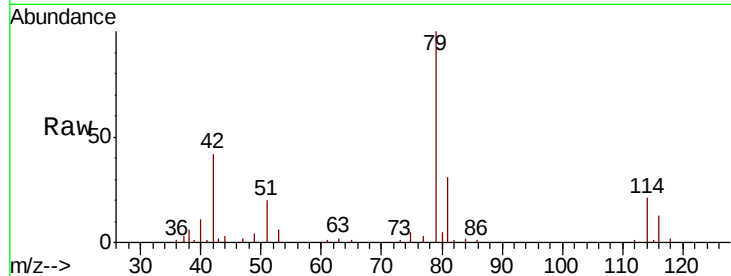




#39  
 cis-1,3-Dichloropropene  
 Concen: 0.091 ug/L  
 RT: 7.59 min Scan# 1945  
 Delta R.T. -0.04 min  
 Lab File: VU038515.D  
 Acq: 03 Jun 2020 15:54

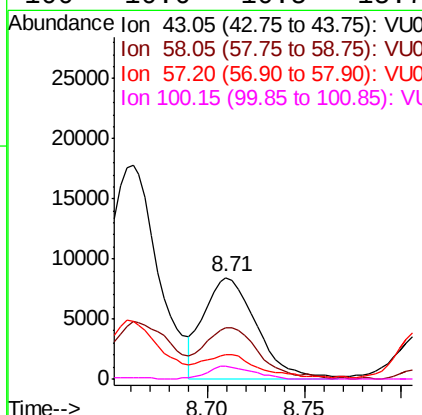
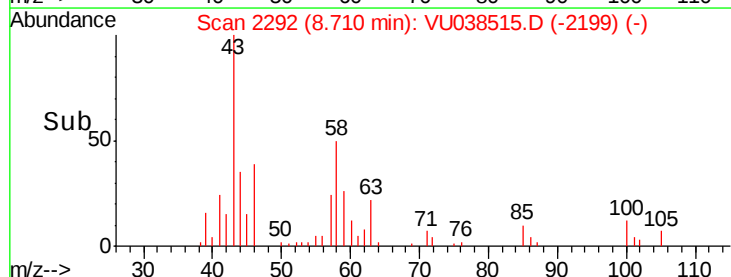
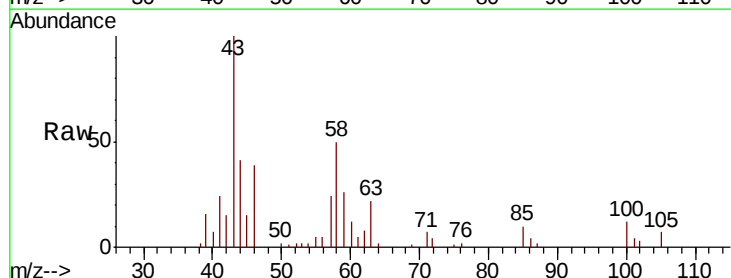
Instrument :  
 MSVOA\_U  
 ClientSampleId :  
 C0AF0

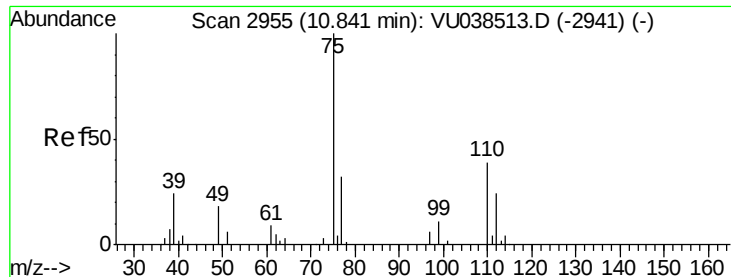
Tot Ion: 75 Resp: 3202  
 Ion Ratio Lower Upper  
 75 100  
 77 51.3 21.9 40.7#



#48  
 2-Hexanone  
 Concen: 1.243 ug/L  
 RT: 8.71 min Scan# 2292  
 Delta R.T. -0.00 min  
 Lab File: VU038515.D  
 Acq: 03 Jun 2020 15:54

Tgt Ion: 43 Resp: 16045  
 Ion Ratio Lower Upper  
 43 100  
 58 52.9 45.4 68.0  
 57 25.3 15.9 23.9#  
 100 10.6 10.5 15.7





#59

1,2,3-Trichloropropane

Concen: 1.220 ug/L

RT: 11.83 min Scan# 3262

Delta R.T. 0.99 min

Lab File: VU038515.D

Acq: 03 Jun 2020 15:54

Instrument :

MSVOA\_U

ClientSampleId :

C0AF0

Tot Ion: 75 Resp: 21692

Ion Ratio Lower Upper

75 100

77 37.2 25.4 38.2

