

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU061820\  
 Data File : VU038975.D  
 Acq On : 18 Jun 2020 17:14  
 Operator : SY/MD  
 Sample : L3058-09  
 Misc : 25.0mL/MSVOA U/WATER  
 ALS Vial : 1 Sample Multiplier: 1

Instrument :  
 MSVOA\_U  
 ClientSampleId :  
 F9L40

Quant Time: Jun 19 01:21:00 2020  
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_U\METHOD\SOMUTR061720WMA.M  
 Quant Title : TRACE VOA SOM01.0  
 QLast Update : Fri Jun 19 01:17:22 2020  
 Response via : Initial Calibration

| Internal Standards         | R.T.  | QIon | Response | Conc | Units | Dev(Min) |
|----------------------------|-------|------|----------|------|-------|----------|
| 1) 1,4-Difluorobenzene     | 6.28  | 114  | 269951   | 5.00 | ug/L  | 0.00     |
| 28) Chlorobenzene-d5       | 9.44  | 117  | 278174   | 5.00 | ug/L  | 0.00     |
| 60) 1,4-Dichlorobenzene-d4 | 11.82 | 152  | 130283   | 5.00 | ug/L  | 0.00     |

## System Monitoring Compounds

|                                |        |       |          |          |      |         |
|--------------------------------|--------|-------|----------|----------|------|---------|
| 4) Vinyl Chloride-d3           | 1.61   | 65    | 72994    | 3.89     | ug/L | 0.00    |
| Spiked Amount                  | 5.000  | Range | 40 - 130 | Recovery | =    | 77.80%  |
| 7) Chloroethane-d5             | 1.93   | 69    | 72215    | 4.59     | ug/L | 0.00    |
| Spiked Amount                  | 5.000  | Range | 65 - 130 | Recovery | =    | 91.80%  |
| 11) 1,1-Dichloroethene-d2      | 2.59   | 63    | 123995   | 3.26     | ug/L | 0.00    |
| Spiked Amount                  | 5.000  | Range | 60 - 125 | Recovery | =    | 65.20%  |
| 20) 2-Butanone-d5              | 4.67   | 46    | 340535   | 56.78    | ug/L | 0.00    |
| Spiked Amount                  | 50.000 | Range | 40 - 130 | Recovery | =    | 113.56% |
| 24) Chloroform-d               | 5.10   | 84    | 231741   | 6.22     | ug/L | 0.00    |
| Spiked Amount                  | 5.000  | Range | 70 - 125 | Recovery | =    | 124.40% |
| 26) 1,2-Dichloroethane-d4      | 5.74   | 65    | 110433   | 5.14     | ug/L | 0.00    |
| Spiked Amount                  | 5.000  | Range | 70 - 130 | Recovery | =    | 102.80% |
| 32) Benzene-d6                 | 5.76   | 84    | 342209   | 4.70     | ug/L | 0.00    |
| Spiked Amount                  | 5.000  | Range | 70 - 125 | Recovery | =    | 94.00%  |
| 36) 1,2-Dichloropropane-d6     | 6.72   | 67    | 111578   | 4.96     | ug/L | 0.00    |
| Spiked Amount                  | 5.000  | Range | 60 - 140 | Recovery | =    | 99.20%  |
| 41) Toluene-d8                 | 7.92   | 98    | 276812   | 4.25     | ug/L | 0.00    |
| Spiked Amount                  | 5.000  | Range | 70 - 130 | Recovery | =    | 85.00%  |
| 43) trans-1,3-Dichloropropene- | 8.20   | 79    | 46166    | 4.48     | ug/L | 0.00    |
| Spiked Amount                  | 5.000  | Range | 55 - 130 | Recovery | =    | 89.60%  |
| 46) 2-Hexanone-d5              | 8.65   | 63    | 286266   | 52.75    | ug/L | 0.00    |
| Spiked Amount                  | 50.000 | Range | 45 - 130 | Recovery | =    | 105.50% |
| 57) 1,1,2,2-Tetrachloroethane- | 10.77  | 84    | 104000   | 4.92     | ug/L | 0.00    |
| Spiked Amount                  | 5.000  | Range | 65 - 120 | Recovery | =    | 98.40%  |
| 64) 1,2-Dichlorobenzene-d4     | 12.20  | 152   | 122697   | 5.04     | ug/L | 0.00    |
| Spiked Amount                  | 5.000  | Range | 80 - 120 | Recovery | =    | 100.80% |

## Target Compounds

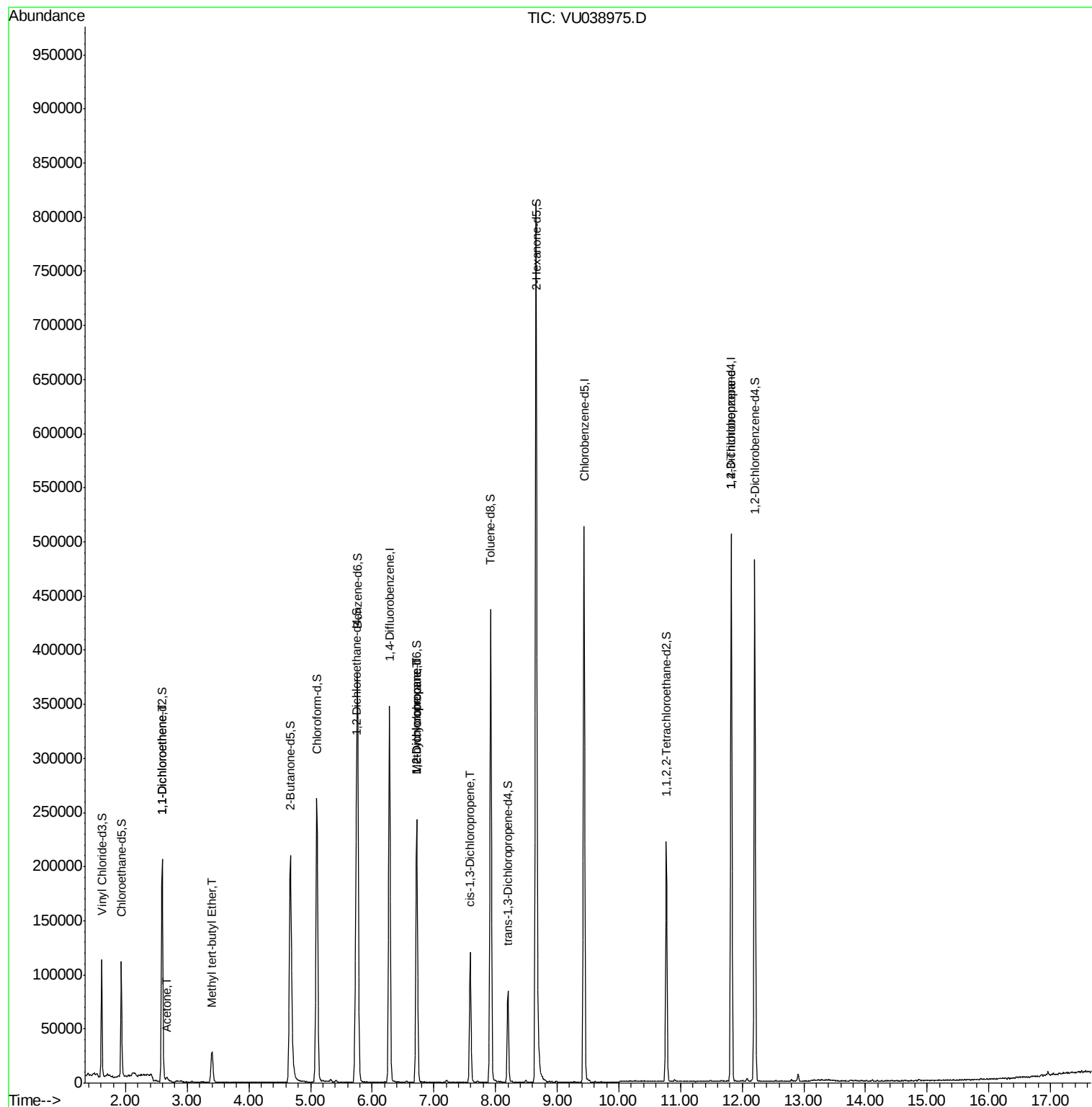
|                             |       |    |       |              | Ovalue |
|-----------------------------|-------|----|-------|--------------|--------|
| 12) 1,1-Dichloroethene      | 2.59  | 96 | 1157  | 0.061 ug/L # | 1      |
| 13) Acetone                 | 2.67  | 43 | 5975  | 1.462 ug/L   | 94     |
| 17) Methyl tert-butyl Ether | 3.40  | 73 | 30497 | 0.611 ug/L   | 99     |
| 35) Methylcyclohexane       | 6.72  | 83 | 27037 | 0.809 ug/L # | 18     |
| 37) 1,2-Dichloropropane     | 6.72  | 63 | 13159 | 0.606 ug/L # | 86     |
| 39) cis-1,3-Dichloropropene | 7.59  | 75 | 3131  | 0.098 ug/L # | 74     |
| 59) 1,2,3-Trichloropropane  | 11.82 | 75 | 17039 | 1.018 ug/L   | 95     |

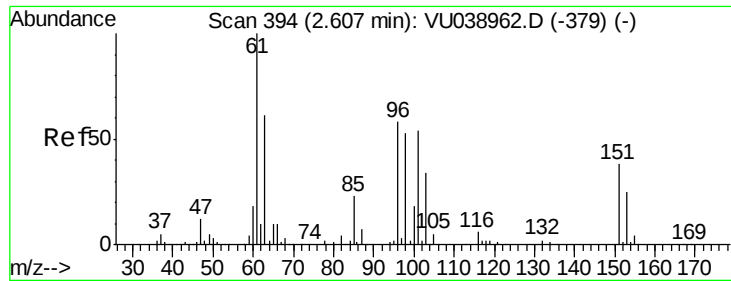
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : TRACE VOA SOM01.0  
QLast Update : Fri Jun 19 01:17:22 2020  
Response via : Initial Calibration





#12

1,1-Dichloroethene

Concen: 0.061 ug/L

RT: 2.59 min Scan# 390

Delta R.T. -0.01 min

Lab File: VU038975.D

Acq: 18 Jun 2020 17:14

Instrument :

MSVOA\_U

ClientSampled :

F9L40

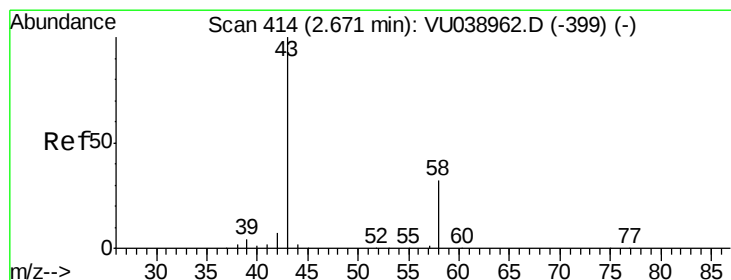
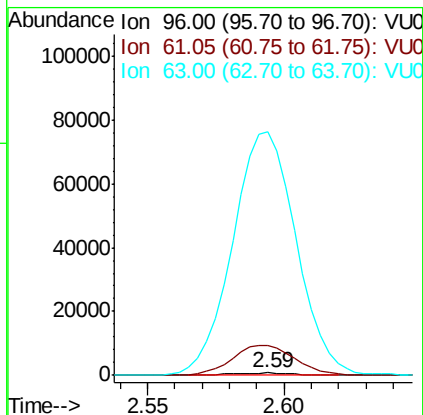
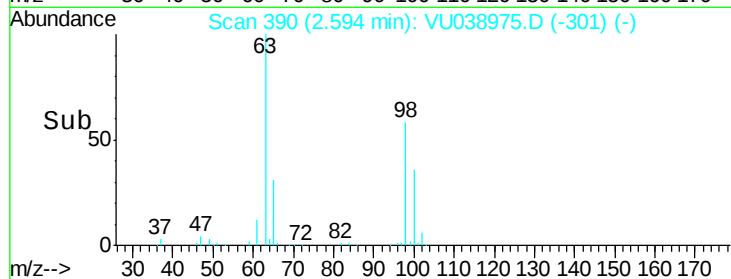
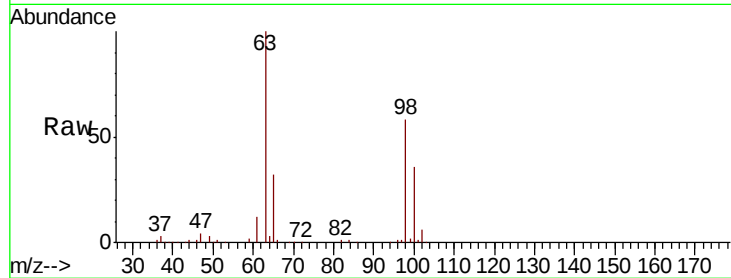
Tot Ion: 96 Resp: 1157

Ion Ratio Lower Upper

96 100

61 1258.0 120.3 223.5#

63 10276.0 78.7 146.1#



#13

Acetone

Concen: 1.462 ug/L

RT: 2.67 min Scan# 414

Delta R.T. 0.00 min

Lab File: VU038975.D

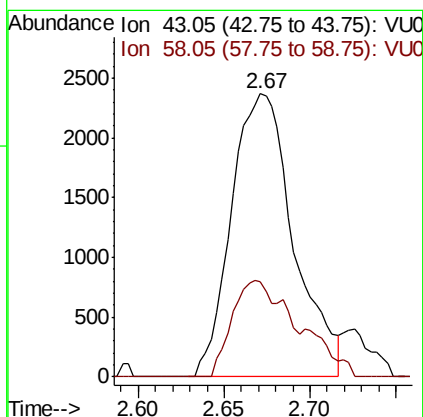
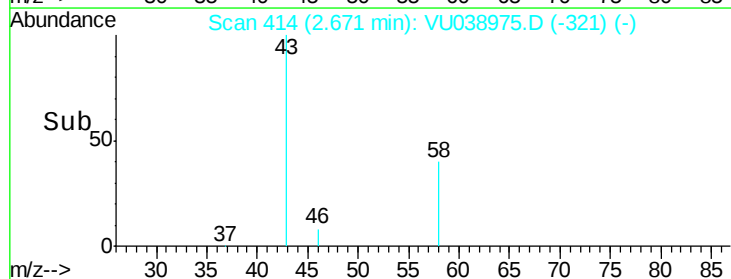
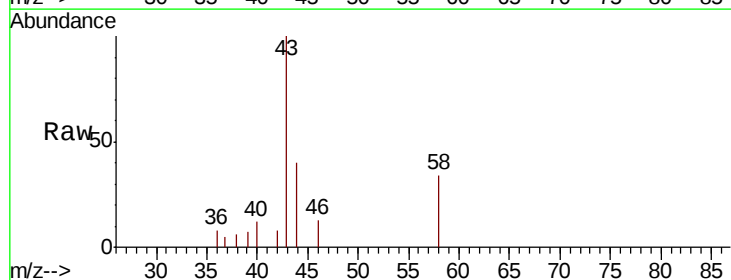
Acq: 18 Jun 2020 17:14

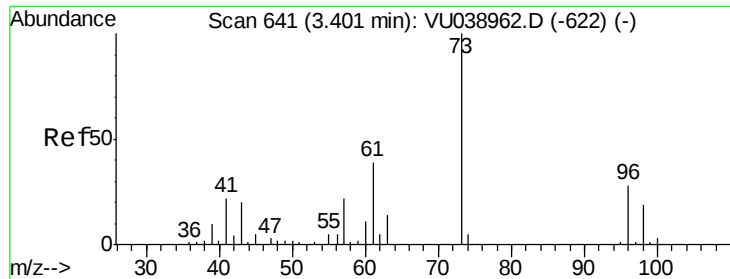
Tgt Ion: 43 Resp: 5975

Ion Ratio Lower Upper

43 100

58 29.0 0.0 65.0

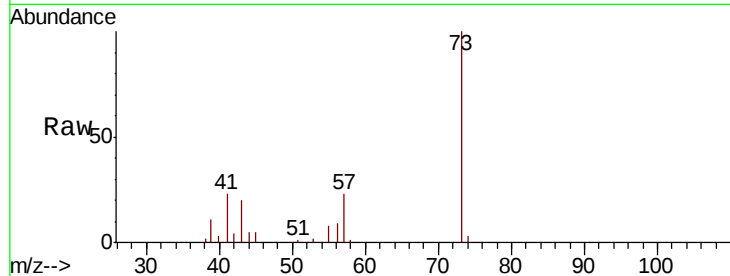




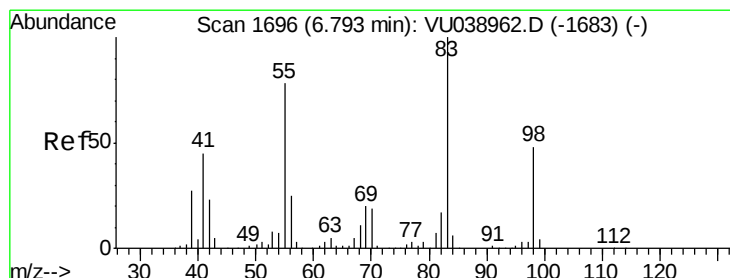
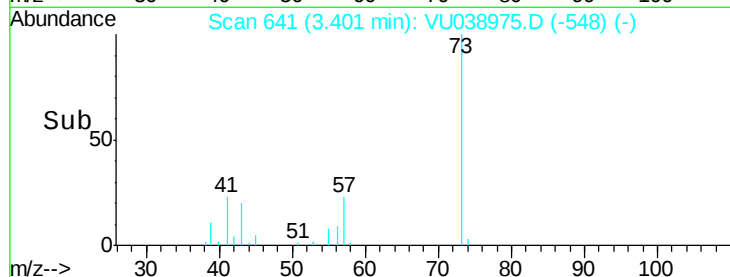
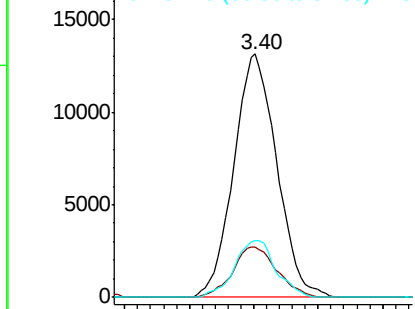
#17  
Methyl tert-butyl Ether  
Concen: 0.611 ug/L  
RT: 3.40 min Scan# 641  
Delta R.T. 0.00 min  
Lab File: VU038975.D  
Acq: 18 Jun 2020 17:14

Instrument :  
MSVOA\_U  
ClientSampleId :  
F9L40

Tot Ion: 73 Resp: 30497  
Ion Ratio Lower Upper  
73 100  
43 21.4 17.0 25.4  
57 22.4 17.7 26.5

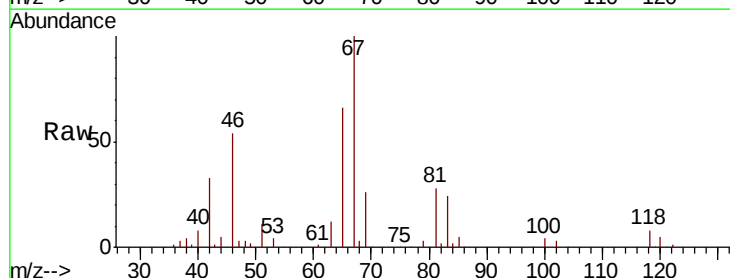


Abundance Ion 73.10 (72.80 to 73.80): VU0  
Ion 43.05 (42.75 to 43.75): VU0  
Ion 57.10 (56.80 to 57.80): VU0

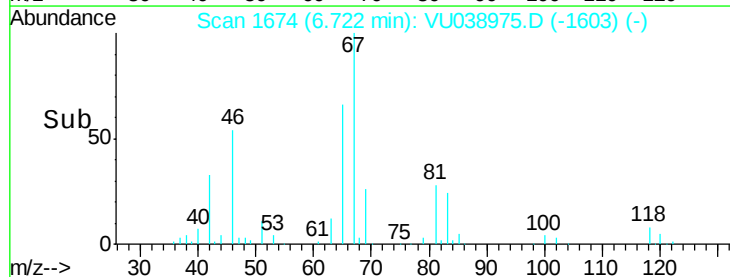
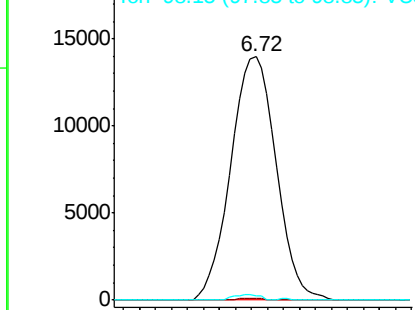


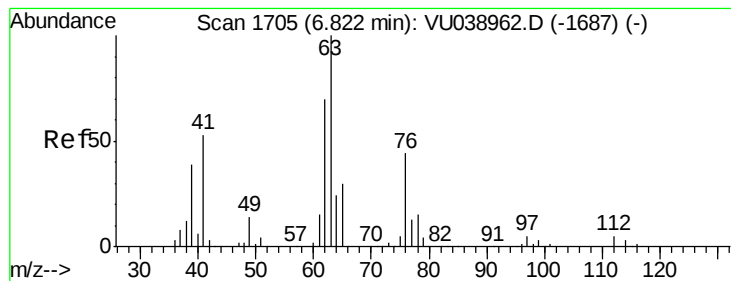
#35  
Methylcyclohexane  
Concen: 0.809 ug/L  
RT: 6.72 min Scan# 1674  
Delta R.T. -0.07 min  
Lab File: VU038975.D  
Acq: 18 Jun 2020 17:14

Tgt Ion: 83 Resp: 27037  
Ion Ratio Lower Upper  
83 100  
55 0.4 61.8 92.8#  
98 1.2 39.3 58.9#



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: 0.606 ug/L

RT: 6.72 min Scan# 1674

Delta R.T. -0.10 min

Lab File: VU038975.D

Acq: 18 Jun 2020 17:14

Instrument :

MSVOA\_U

ClientSampleId :

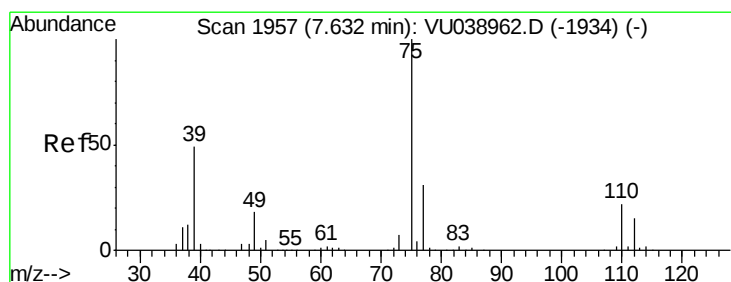
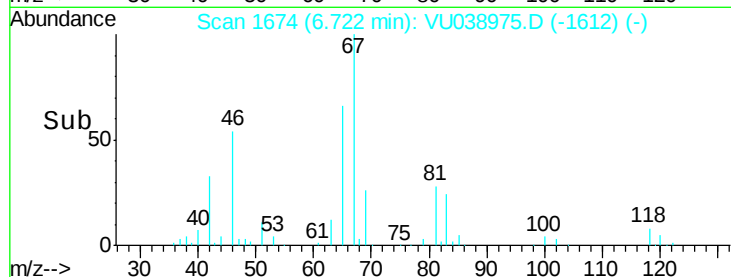
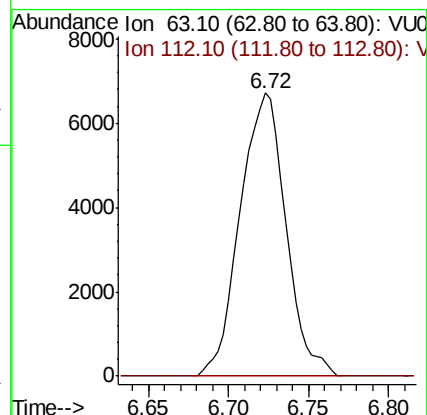
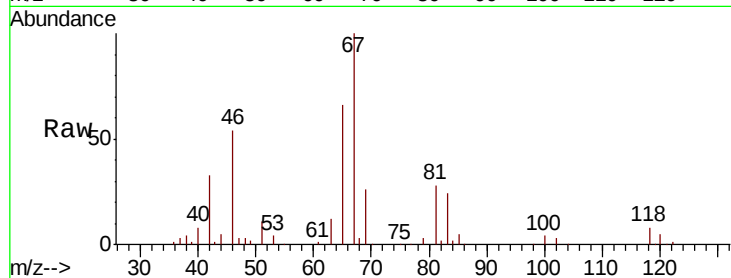
F9L40

Tot Ion: 63 Resp: 13159

Ion Ratio Lower Upper

63 100

112 0.2 3.9 5.9#



#39

cis-1,3-Dichloropropene

Concen: 0.098 ug/L

RT: 7.59 min Scan# 1945

Delta R.T. -0.04 min

Lab File: VU038975.D

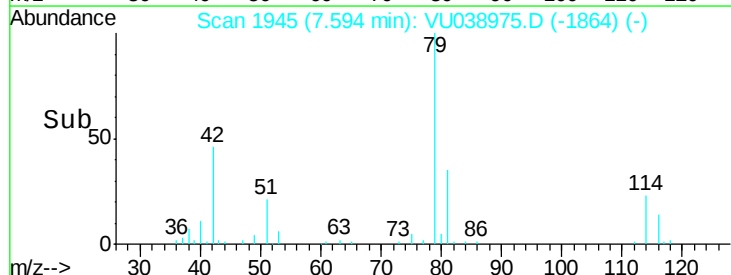
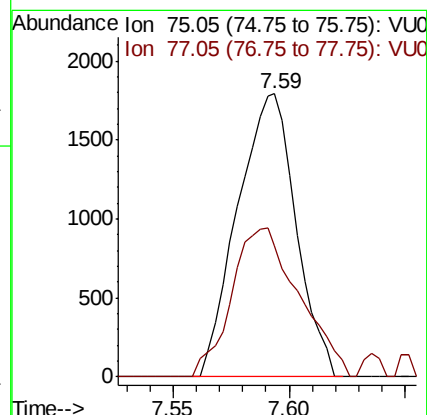
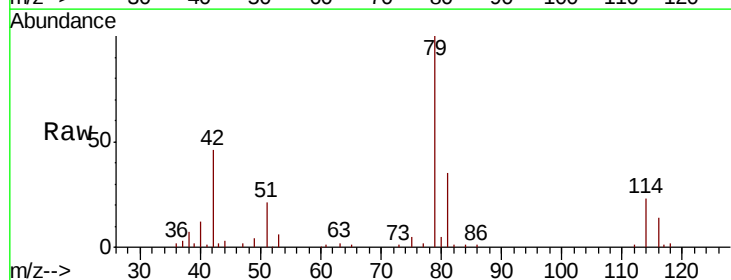
Acq: 18 Jun 2020 17:14

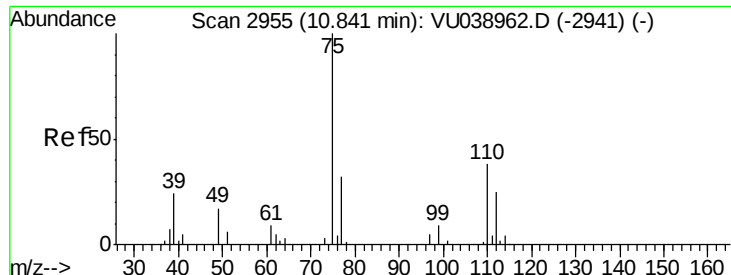
Tgt Ion: 75 Resp: 3131

Ion Ratio Lower Upper

75 100

77 46.4 22.4 41.6#





#59

1,2,3-Trichloropropane

Concen: 1.018 ug/L

RT: 11.82 min Scan# 3260

Delta R.T. 0.98 min

Lab File: VU038975.D

Acq: 18 Jun 2020 17:14

Instrument :

MSVOA\_U

ClientSampleId :

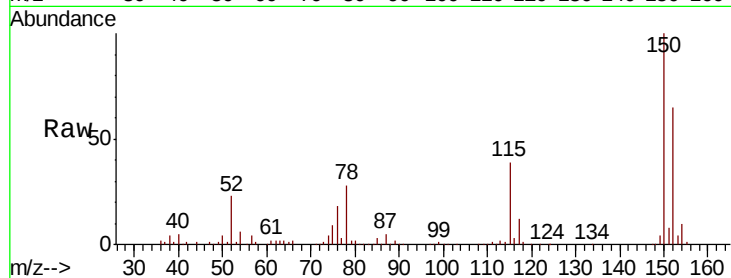
F9L40

Tot Ion: 75 Resp: 17039

Ion Ratio Lower Upper

75 100

77 34.3 25.4 38.0



Abundance Ion 75.00 (74.70 to 75.70): VU0

Ion 77.00 (76.70 to 77.70): VU0

