

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU041720\  
 Data File : VU037772.D  
 Acq On : 17 Apr 2020 13:51  
 Operator : JC/MD  
 Sample : L2292-07RE  
 Misc : 25mL/MSVOA U/WATER  
 ALS Vial : 1 Sample Multiplier: 1

Instrument :  
 MSVOA\_U  
 ClientSampleId :

Quant Time: Apr 18 01:22:52 2020  
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_U\METHOD\SOMUTR041420WMA.M  
 Quant Title : TRACE VOA SOM01.0  
 QLast Update : Sat Apr 18 01:19:54 2020  
 Response via : Initial Calibration

| Internal Standards         | R.T.  | QIon | Response | Conc | Units | Dev(Min) |
|----------------------------|-------|------|----------|------|-------|----------|
| 1) 1,4-Difluorobenzene     | 6.28  | 114  | 279370   | 5.00 | ug/L  | 0.00     |
| 28) Chlorobenzene-d5       | 9.44  | 117  | 270777   | 5.00 | ug/L  | 0.00     |
| 60) 1,4-Dichlorobenzene-d4 | 11.83 | 152  | 131341   | 5.00 | ug/L  | 0.00     |

## System Monitoring Compounds

|                                |        |       |          |          |      |        |
|--------------------------------|--------|-------|----------|----------|------|--------|
| 4) Vinyl Chloride-d3           | 1.61   | 65    | 87550    | 4.14     | ug/L | 0.00   |
| Spiked Amount                  | 5.000  | Range | 40 - 130 | Recovery | =    | 82.80% |
| 7) Chloroethane-d5             | 1.93   | 69    | 77520    | 4.35     | ug/L | 0.00   |
| Spiked Amount                  | 5.000  | Range | 65 - 130 | Recovery | =    | 87.00% |
| 11) 1,1-Dichloroethene-d2      | 2.59   | 63    | 114864   | 3.06     | ug/L | 0.00   |
| Spiked Amount                  | 5.000  | Range | 60 - 125 | Recovery | =    | 61.20% |
| 20) 2-Butanone-d5              | 4.66   | 46    | 286473   | 49.34    | ug/L | 0.00   |
| Spiked Amount                  | 50.000 | Range | 40 - 130 | Recovery | =    | 98.68% |
| 24) Chloroform-d               | 5.10   | 84    | 152593   | 4.52     | ug/L | 0.00   |
| Spiked Amount                  | 5.000  | Range | 70 - 125 | Recovery | =    | 90.40% |
| 26) 1,2-Dichloroethane-d4      | 5.74   | 65    | 92056    | 4.74     | ug/L | 0.00   |
| Spiked Amount                  | 5.000  | Range | 70 - 130 | Recovery | =    | 94.80% |
| 32) Benzene-d6                 | 5.76   | 84    | 325722   | 4.44     | ug/L | 0.00   |
| Spiked Amount                  | 5.000  | Range | 70 - 125 | Recovery | =    | 88.80% |
| 36) 1,2-Dichloropropane-d6     | 6.72   | 67    | 111526   | 4.68     | ug/L | 0.00   |
| Spiked Amount                  | 5.000  | Range | 60 - 140 | Recovery | =    | 93.60% |
| 41) Toluene-d8                 | 7.92   | 98    | 293329   | 4.42     | ug/L | 0.00   |
| Spiked Amount                  | 5.000  | Range | 70 - 130 | Recovery | =    | 88.40% |
| 43) trans-1,3-Dichloropropene- | 8.20   | 79    | 48083    | 4.49     | ug/L | 0.00   |
| Spiked Amount                  | 5.000  | Range | 55 - 130 | Recovery | =    | 89.80% |
| 46) 2-Hexanone-d5              | 8.65   | 63    | 249319   | 45.54    | ug/L | 0.00   |
| Spiked Amount                  | 50.000 | Range | 45 - 130 | Recovery | =    | 91.08% |
| 57) 1,1,2,2-Tetrachloroethane- | 10.77  | 84    | 85376    | 4.54     | ug/L | 0.00   |
| Spiked Amount                  | 5.000  | Range | 65 - 120 | Recovery | =    | 90.80% |
| 64) 1,2-Dichlorobenzene-d4     | 12.21  | 152   | 110220   | 4.70     | ug/L | 0.00   |
| Spiked Amount                  | 5.000  | Range | 80 - 120 | Recovery | =    | 94.00% |

## Target Compounds

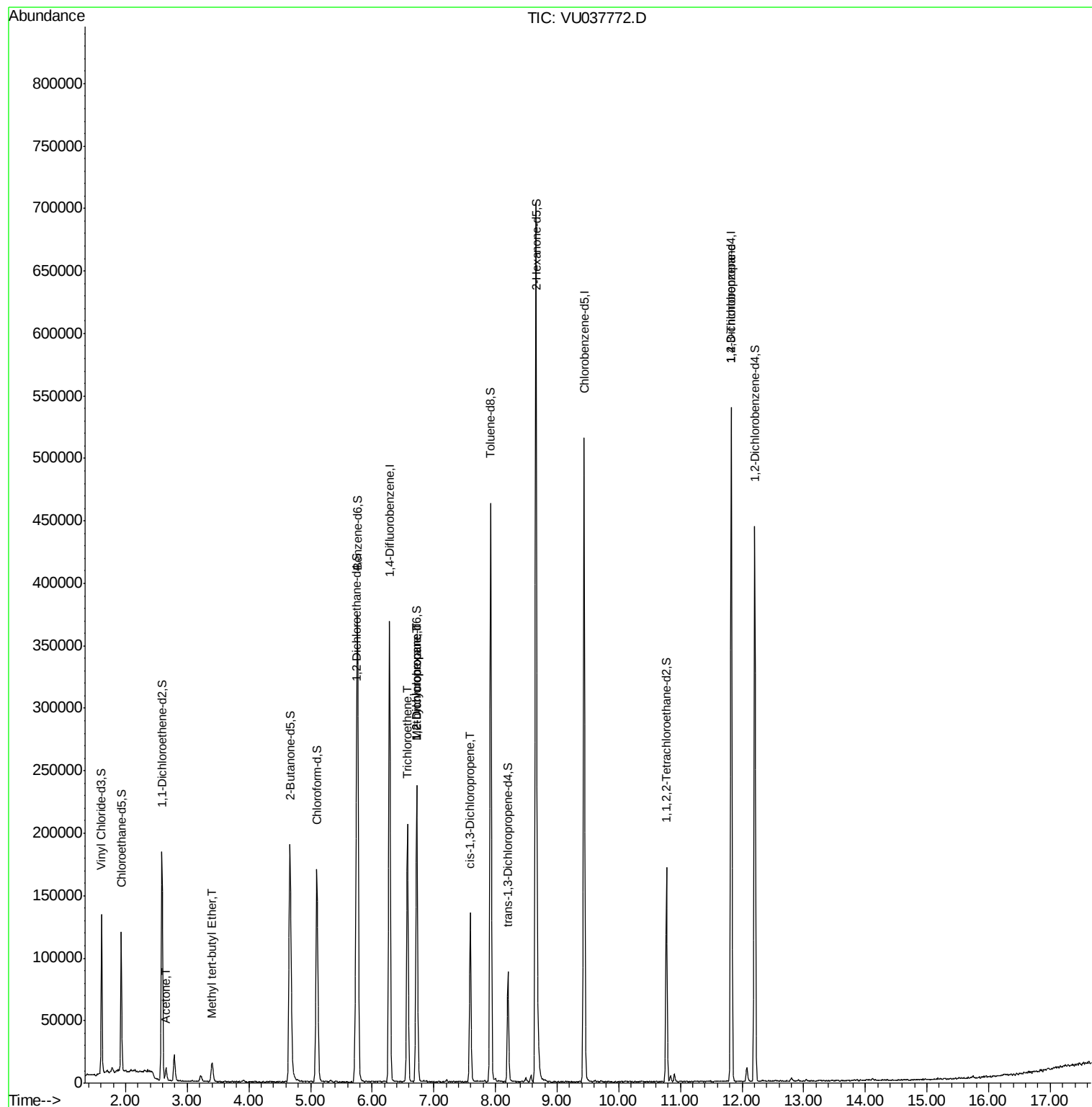
|                             |       |    |       |       | Ovalue    |
|-----------------------------|-------|----|-------|-------|-----------|
| 13) Acetone                 | 2.66  | 43 | 11488 | 3.001 | ug/L 92   |
| 17) Methyl tert-butyl Ether | 3.40  | 73 | 15804 | 0.283 | ug/L # 91 |
| 34) Trichloroethene         | 6.57  | 95 | 68538 | 3.117 | ug/L 97   |
| 35) Methylcyclohexane       | 6.72  | 83 | 24331 | 0.631 | ug/L # 17 |
| 37) 1,2-Dichloropropane     | 6.73  | 63 | 12576 | 0.530 | ug/L # 87 |
| 39) cis-1,3-Dichloropropene | 7.59  | 75 | 3227  | 0.087 | ug/L # 52 |
| 59) 1,2,3-Trichloropropane  | 11.83 | 75 | 18053 | 1.163 | ug/L 89   |

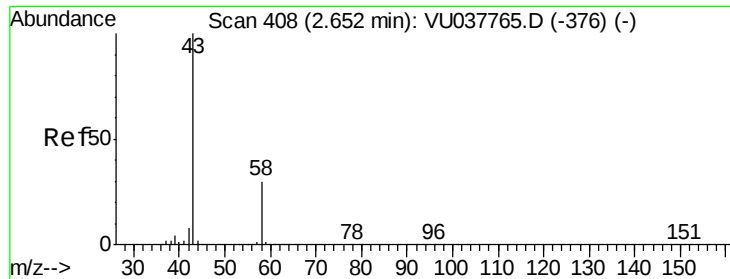
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA U\DATA\VU041720\  
Data File : VU037772.D  
Acq On : 17 Apr 2020 13:51  
Operator : JC/MD  
Sample : L2292-07RE  
Misc : 25mL/MSVOA U/WATER  
ALS Vial : 1 Sample Multiplier: 1

Instrument :  
MSVOA\_U  
ClientSampleId :

Quant Time: Apr 18 01:22:52 2020  
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA\_U\METHOD\SOMUTR041420WMA.M  
Quant Title : TRACE VOA SOM01.0  
QLast Update : Sat Apr 18 01:19:54 2020  
Response via : Initial Calibration





#13

Acetone

Concen: 3.001 ug/L

RT: 2.66 min Scan# 409

Delta R.T. 0.00 min

Lab File: VU037772.D

Acq: 17 Apr 2020 13:51

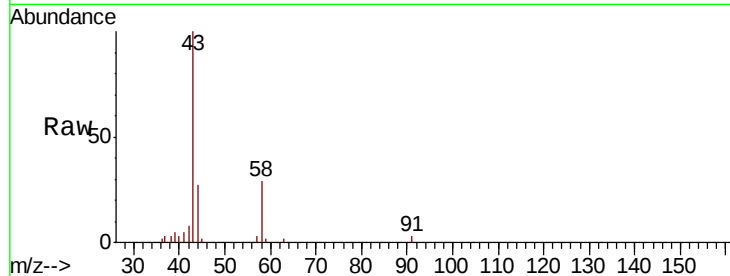
Instrument :  
MSVOA\_U  
ClientSampled :

Tot Ion: 43 Resp: 11488

Ion Ratio Lower Upper

43 100

58 27.6 0.0 64.8



Abundance Ion 43.05 (42.75 to 43.75): VU037772.D (-315) (-)

Ion 58.05 (57.75 to 58.75): VU037772.D (-315) (-)

2.66

6000

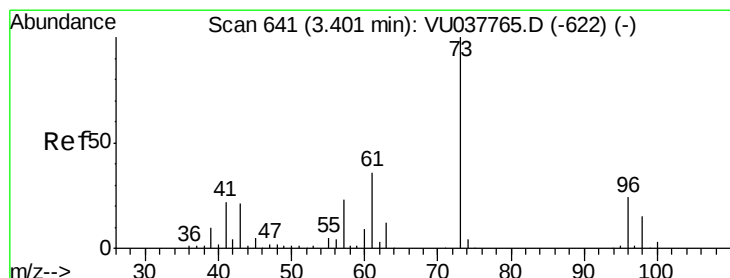
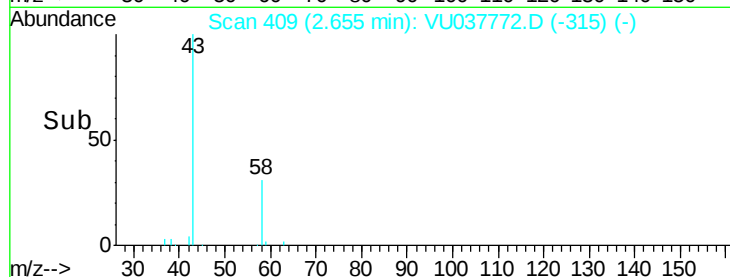
4000

2000

0

Time-->

2.60 2.65 2.70 2.75



#17

Methyl tert-butyl Ether

Concen: 0.283 ug/L

RT: 3.40 min Scan# 641

Delta R.T. 0.00 min

Lab File: VU037772.D

Acq: 17 Apr 2020 13:51

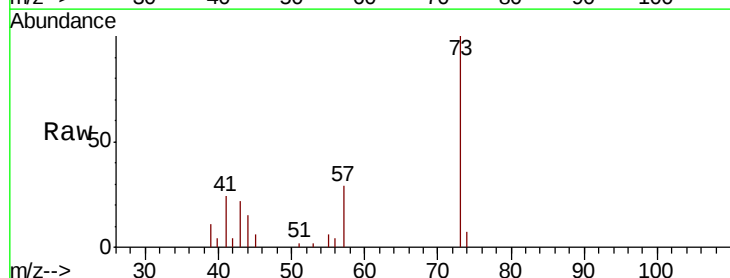
Tgt Ion: 73 Resp: 15804

Ion Ratio Lower Upper

73 100

43 24.9 16.4 24.6#

57 26.7 18.4 27.6



Abundance Ion 73.10 (72.80 to 73.80): VU037772.D (-548) (-)

Ion 43.05 (42.75 to 43.75): VU037772.D (-548) (-)

Ion 57.10 (56.80 to 57.80): VU037772.D (-548) (-)

3.40

8000

6000

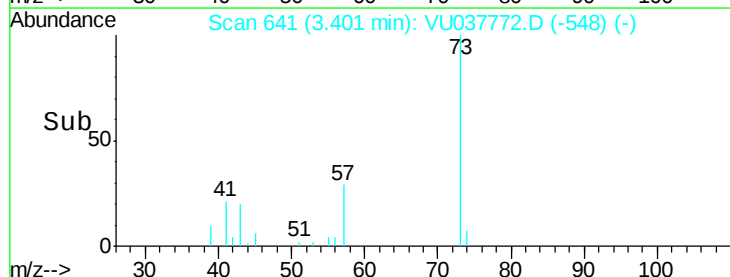
4000

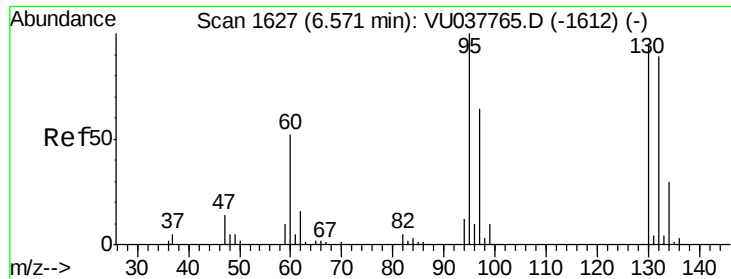
2000

0

Time-->

3.35 3.40 3.45

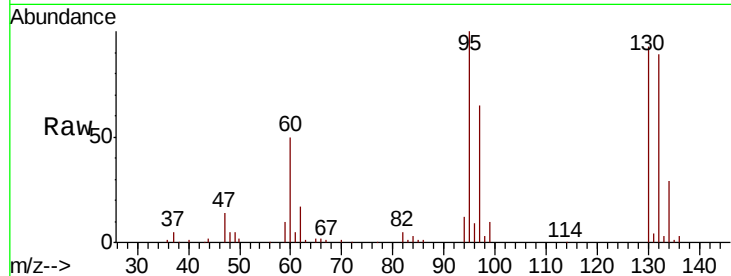




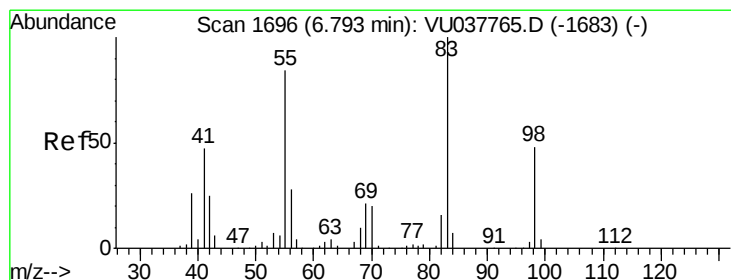
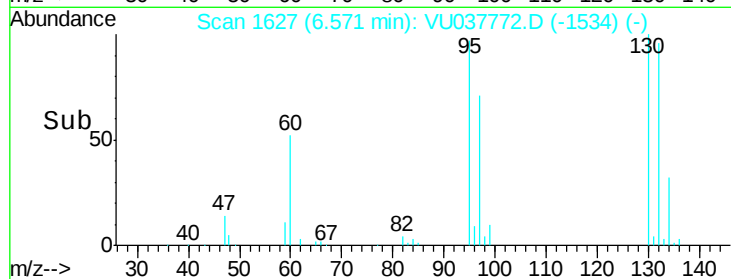
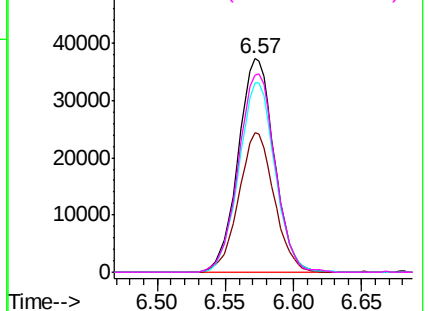
#34  
 Trichloroethene  
 Concen: 3.117 ug/L  
 RT: 6.57 min Scan# 1627  
 Delta R.T. 0.00 min  
 Lab File: VU037772.D  
 Acq: 17 Apr 2020 13:51

Instrument :  
 MSVOA\_U  
 ClientSampled :

Tot Ion: 95 Resp: 68538  
 Ion Ratio Lower Upper  
 95 100  
 97 65.5 45.4 84.2  
 132 88.7 63.7 118.3  
 130 92.5 68.7 127.5

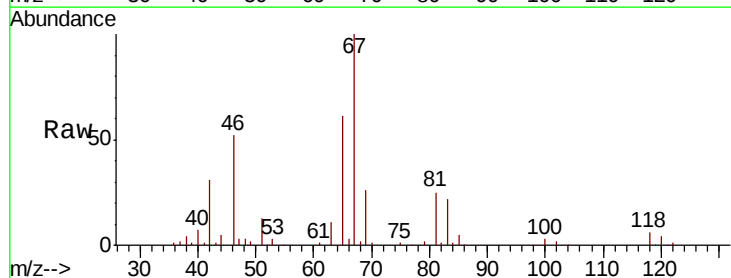


Abundance Ion 95.00 (94.70 to 95.70): VU0  
 Ion 96.95 (96.65 to 97.65): VU0  
 Ion 131.95 (131.65 to 132.65): V  
 Ion 129.95 (129.65 to 130.65): V

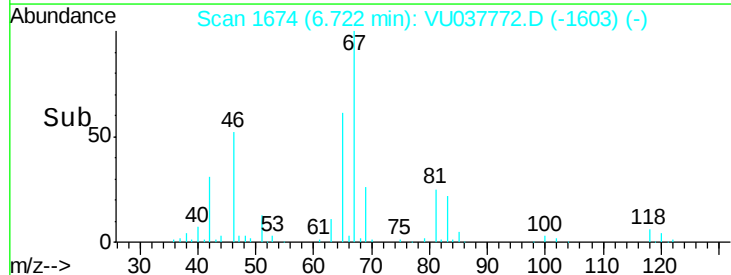
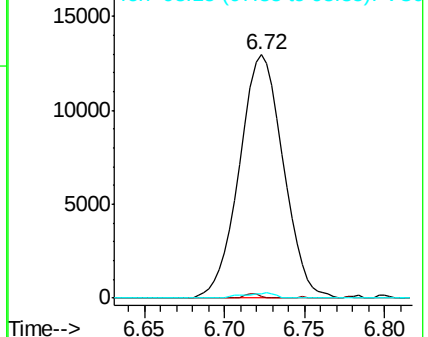


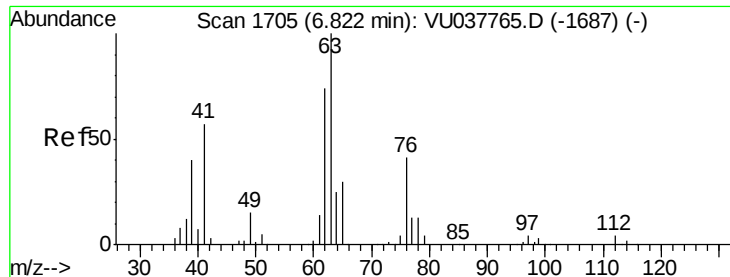
#35  
 Methylcyclohexane  
 Concen: 0.631 ug/L  
 RT: 6.72 min Scan# 1674  
 Delta R.T. -0.07 min  
 Lab File: VU037772.D  
 Acq: 17 Apr 2020 13:51

Tgt Ion: 83 Resp: 24331  
 Ion Ratio Lower Upper  
 83 100  
 55 0.6 65.5 98.3#  
 98 1.5 38.2 57.4#



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

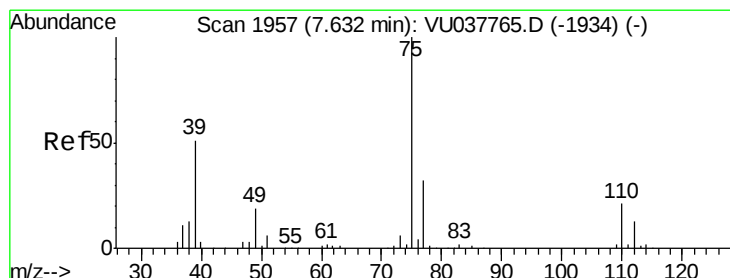
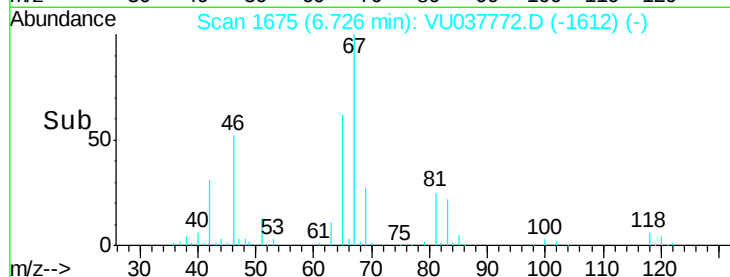
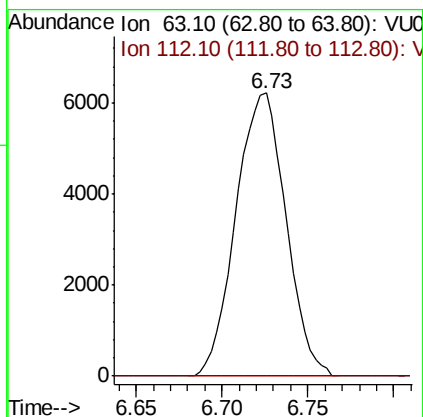
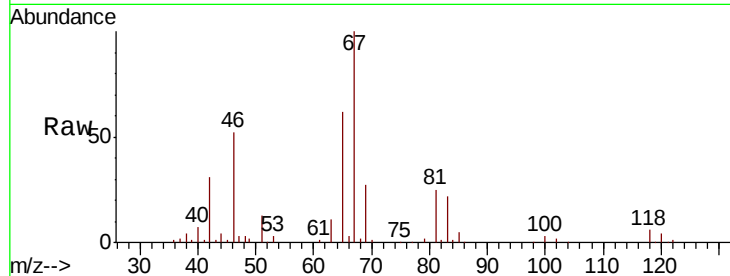




#37  
 1,2-Dichloropropane  
 Concen: 0.530 ug/L  
 RT: 6.73 min Scan# 1675  
 Delta R.T. -0.10 min  
 Lab File: VU037772.D  
 Acq: 17 Apr 2020 13:51

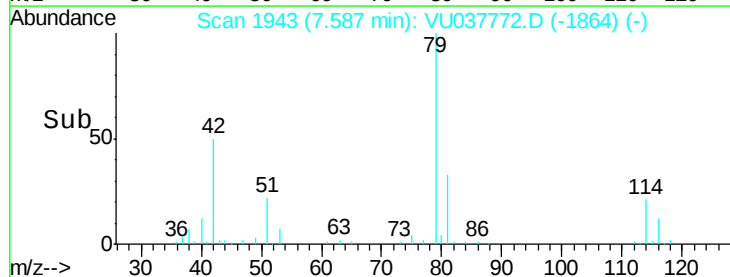
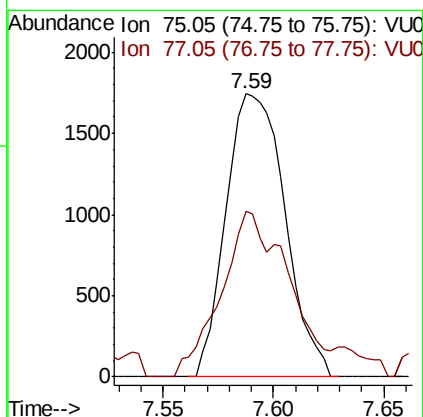
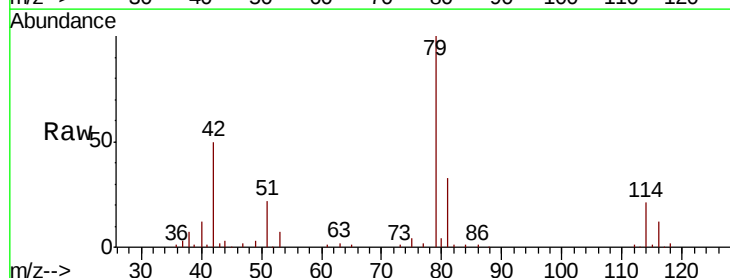
Instrument :  
 MSVOA\_U  
 ClientSampleId :

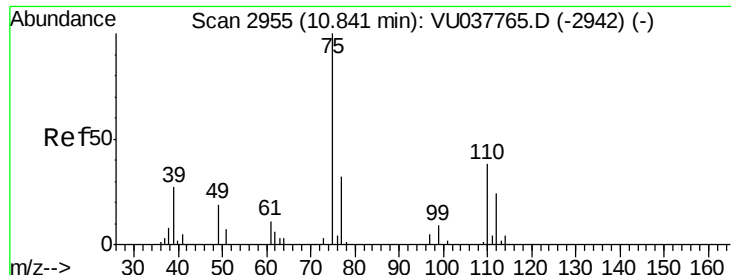
Tot Ion: 63 Resp: 12576  
 Ion Ratio Lower Upper  
 63 100  
 112 0.0 3.4 5.0#



#39  
 cis-1,3-Dichloropropene  
 Concen: 0.087 ug/L  
 RT: 7.59 min Scan# 1943  
 Delta R.T. -0.04 min  
 Lab File: VU037772.D  
 Acq: 17 Apr 2020 13:51

Tgt Ion: 75 Resp: 3227  
 Ion Ratio Lower Upper  
 75 100  
 77 58.4 22.2 41.2#





#59

1,2,3-Trichloropropane

Concen: 1.163 ug/L

RT: 11.83 min Scan# 3261

Delta R.T. 0.98 min

Lab File: VU037772.D

Acq: 17 Apr 2020 13:51

Instrument :

MSVOA\_U

ClientSampleId :

Tot Ion: 75 Resp: 18053

Ion Ratio Lower Upper

75 100

77 38.1 25.4 38.2

