

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU041720\  
 Data File : VU037780.D  
 Acq On : 17 Apr 2020 17:09  
 Operator : JC/MD  
 Sample : L2292-04DL 5X  
 Misc : 25mL/MSVOA U/WATER  
 ALS Vial : 1 Sample Multiplier: 1

Instrument :  
 MSVOA\_U  
 ClientSampleId :

Quant Time: Apr 18 03:56:29 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  | 260018   | 5.00 | ug/L  | 0.00     |
| 28) Chlorobenzene-d5       | 9.44  | 117  | 249946   | 5.00 | ug/L  | 0.00     |
| 60) 1,4-Dichlorobenzene-d4 | 11.83 | 152  | 122562   | 5.00 | ug/L  | 0.00     |

## System Monitoring Compounds

|                                |        |       |          |          |      |         |
|--------------------------------|--------|-------|----------|----------|------|---------|
| 4) Vinyl Chloride-d3           | 1.61   | 65    | 84982    | 4.32     | ug/L | 0.00    |
| Spiked Amount                  | 5.000  | Range | 40 - 130 | Recovery | =    | 86.40%  |
| 7) Chloroethane-d5             | 1.93   | 69    | 76480    | 4.61     | ug/L | 0.00    |
| Spiked Amount                  | 5.000  | Range | 65 - 130 | Recovery | =    | 92.20%  |
| 11) 1,1-Dichloroethene-d2      | 2.59   | 63    | 111094   | 3.18     | ug/L | 0.00    |
| Spiked Amount                  | 5.000  | Range | 60 - 125 | Recovery | =    | 63.60%  |
| 20) 2-Butanone-d5              | 4.66   | 46    | 295859   | 54.75    | ug/L | 0.00    |
| Spiked Amount                  | 50.000 | Range | 40 - 130 | Recovery | =    | 109.50% |
| 24) Chloroform-d               | 5.10   | 84    | 155427   | 4.95     | ug/L | 0.00    |
| Spiked Amount                  | 5.000  | Range | 70 - 125 | Recovery | =    | 99.00%  |
| 26) 1,2-Dichloroethane-d4      | 5.74   | 65    | 95138    | 5.27     | ug/L | 0.00    |
| Spiked Amount                  | 5.000  | Range | 70 - 130 | Recovery | =    | 105.40% |
| 32) Benzene-d6                 | 5.76   | 84    | 330316   | 4.88     | ug/L | 0.00    |
| Spiked Amount                  | 5.000  | Range | 70 - 125 | Recovery | =    | 97.60%  |
| 36) 1,2-Dichloropropane-d6     | 6.72   | 67    | 110246   | 5.02     | ug/L | 0.00    |
| Spiked Amount                  | 5.000  | Range | 60 - 140 | Recovery | =    | 100.40% |
| 41) Toluene-d8                 | 7.92   | 98    | 292491   | 4.77     | ug/L | 0.00    |
| Spiked Amount                  | 5.000  | Range | 70 - 130 | Recovery | =    | 95.40%  |
| 43) trans-1,3-Dichloropropene- | 8.20   | 79    | 45941    | 4.65     | ug/L | 0.00    |
| Spiked Amount                  | 5.000  | Range | 55 - 130 | Recovery | =    | 93.00%  |
| 46) 2-Hexanone-d5              | 8.65   | 63    | 254488   | 50.36    | ug/L | 0.00    |
| Spiked Amount                  | 50.000 | Range | 45 - 130 | Recovery | =    | 100.72% |
| 57) 1,1,2,2-Tetrachloroethane- | 10.77  | 84    | 86248    | 4.97     | ug/L | 0.00    |
| Spiked Amount                  | 5.000  | Range | 65 - 120 | Recovery | =    | 99.40%  |
| 64) 1,2-Dichlorobenzene-d4     | 12.21  | 152   | 108710   | 4.97     | ug/L | 0.00    |
| Spiked Amount                  | 5.000  | Range | 80 - 120 | Recovery | =    | 99.40%  |

## Target Compounds

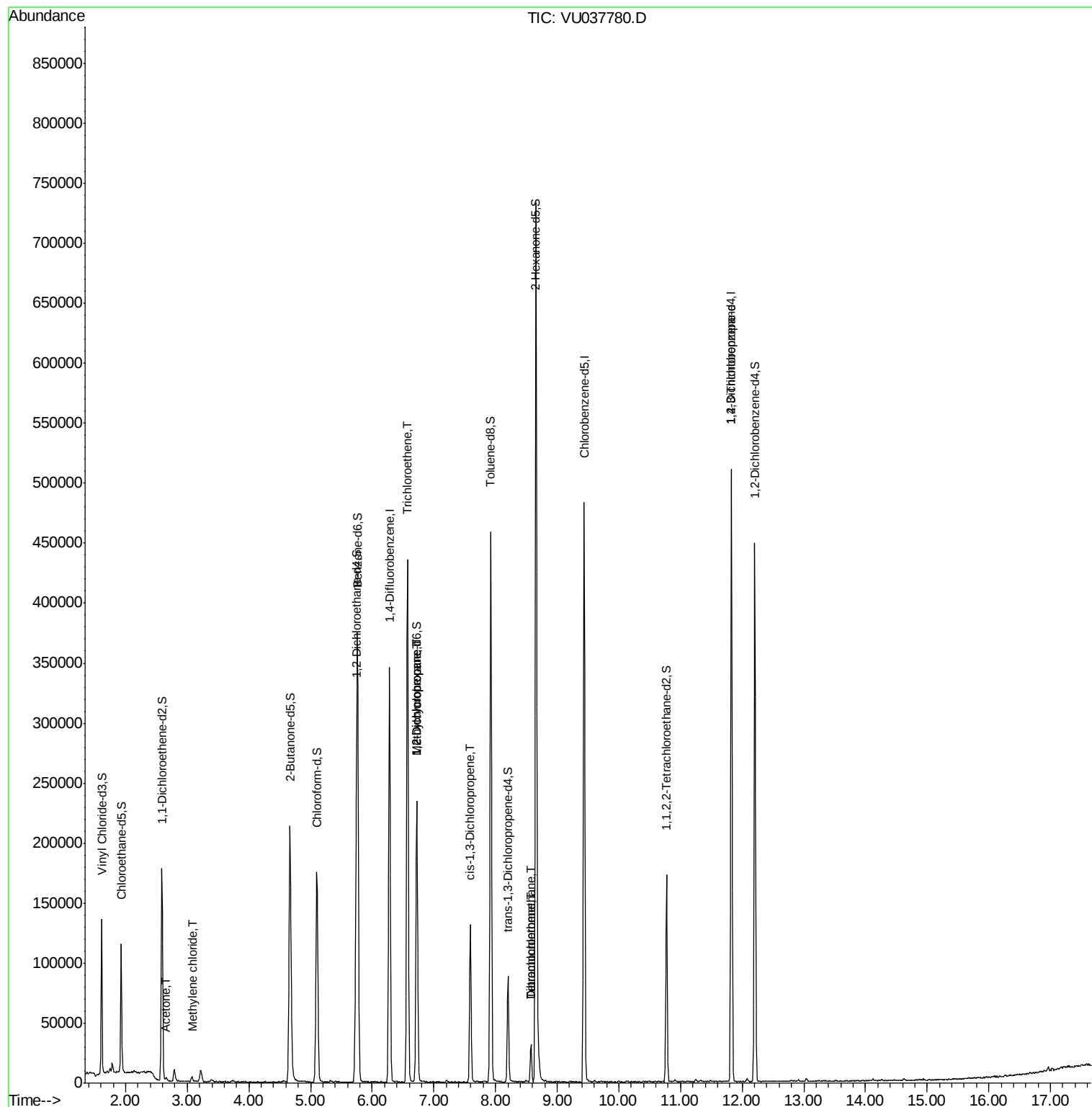
|                             |       |     |        |       | Ovalue    |
|-----------------------------|-------|-----|--------|-------|-----------|
| 13) Acetone                 | 2.66  | 43  | 3337   | 0.937 | ug/L 90   |
| 16) Methylene chloride      | 3.08  | 84  | 1977   | 0.098 | ug/L 86   |
| 34) Trichloroethene         | 6.57  | 95  | 145161 | 7.152 | ug/L 98   |
| 35) Methylcyclohexane       | 6.72  | 83  | 24828  | 0.698 | ug/L # 17 |
| 37) 1,2-Dichloropropane     | 6.72  | 63  | 12332  | 0.563 | ug/L # 87 |
| 39) cis-1,3-Dichloropropene | 7.59  | 75  | 3050   | 0.089 | ug/L # 40 |
| 47) Tetrachloroethene       | 8.57  | 164 | 6560   | 0.450 | ug/L 97   |
| 49) Dibromochloromethane    | 8.57  | 129 | 6667   | 0.395 | ug/L # 11 |
| 59) 1,2,3-Trichloropropane  | 11.83 | 75  | 17068  | 1.191 | ug/L 92   |

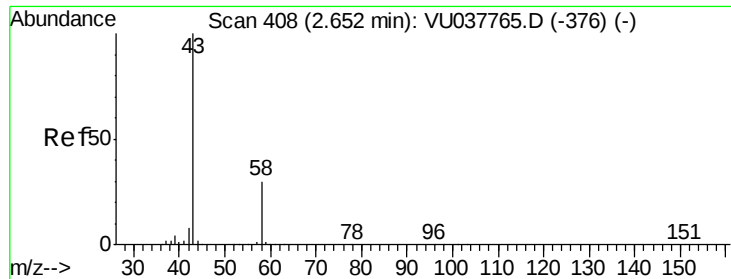
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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QLast Update : Sat Apr 18 01:19:54 2020  
Response via : Initial Calibration





#13

Acetone

Concen: 0.937 ug/L

RT: 2.66 min Scan# 409

Delta R.T. 0.00 min

Lab File: VU037780.D

Acq: 17 Apr 2020 17:09

Instrument :

MSVOA\_U

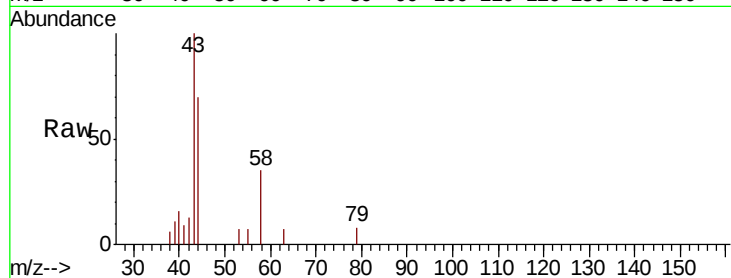
ClientSampleId :

Tot Ion: 43 Resp: 3337

Ion Ratio Lower Upper

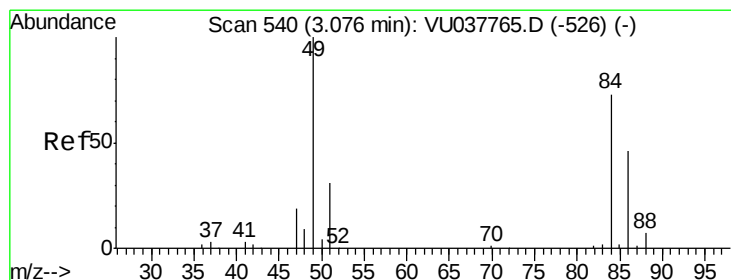
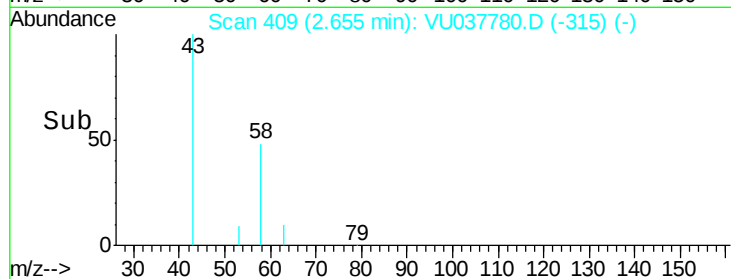
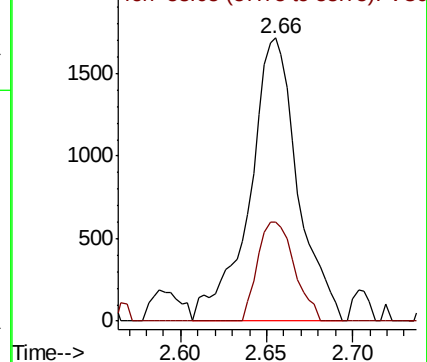
43 100

58 26.7 0.0 64.8



Abundance Ion 43.05 (42.75 to 43.75): VU037780.D (-315) (-)

Ion 58.05 (57.75 to 58.75): VU037780.D (-315) (-)



#16

Methylene chloride

Concen: 0.098 ug/L

RT: 3.08 min Scan# 540

Delta R.T. 0.00 min

Lab File: VU037780.D

Acq: 17 Apr 2020 17:09

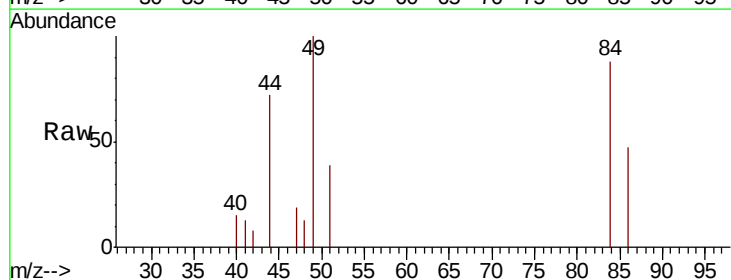
Tgt Ion: 84 Resp: 1977

Ion Ratio Lower Upper

84 100

86 53.7 44.2 82.0

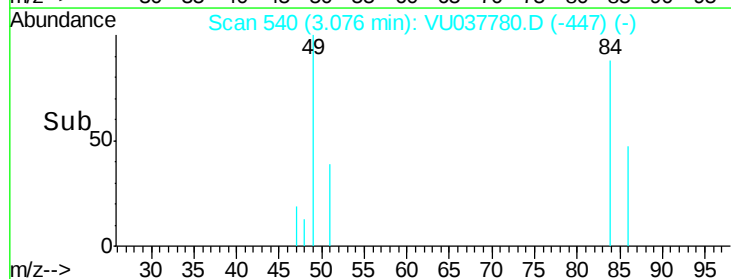
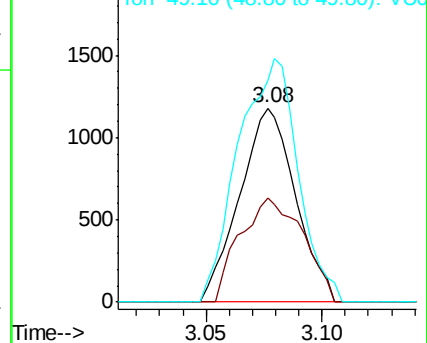
49 114.2 92.4 171.6

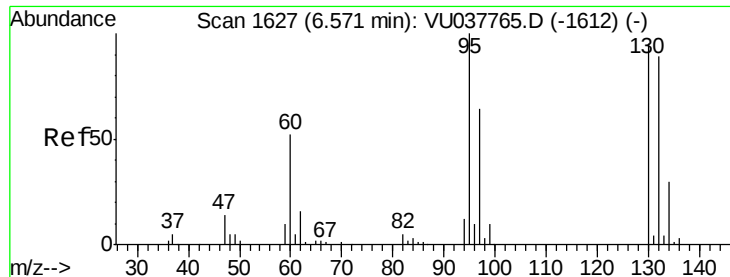


Abundance Ion 84.05 (83.75 to 84.75): VU037780.D (-447) (-)

Ion 86.00 (85.70 to 86.70): VU037780.D (-447) (-)

Ion 49.10 (48.80 to 49.80): VU037780.D (-447) (-)





#34

Trichloroethene

Concen: 7.152 ug/L

RT: 6.57 min Scan# 1627

Delta R.T. 0.00 min

Lab File: VU037780.D

Acq: 17 Apr 2020 17:09

Instrument :

MSVOA\_U

ClientSampleId :

Tot Ion: 95 Resp: 145161

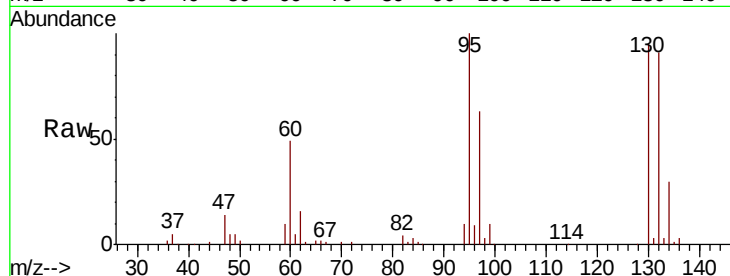
Ion Ratio Lower Upper

95 100

97 63.3 45.4 84.2

132 90.5 63.7 118.3

130 95.0 68.7 127.5



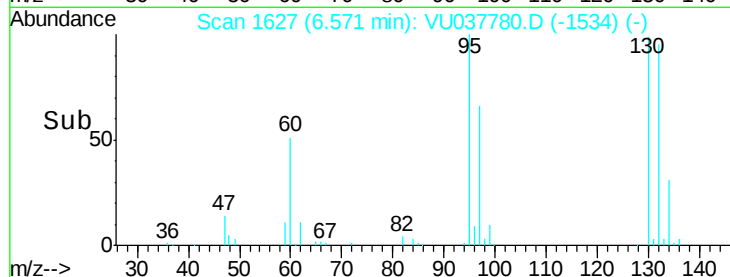
Abundance Ion 95.00 (94.70 to 95.70): VU0

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

Time-->



Abundance

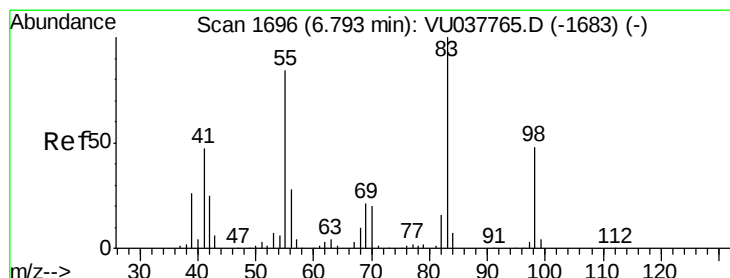
Ion 95.00 (94.70 to 95.70): VU0

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

Time-->



#35

Methylcyclohexane

Concen: 0.698 ug/L

RT: 6.72 min Scan# 1674

Delta R.T. -0.07 min

Lab File: VU037780.D

Acq: 17 Apr 2020 17:09

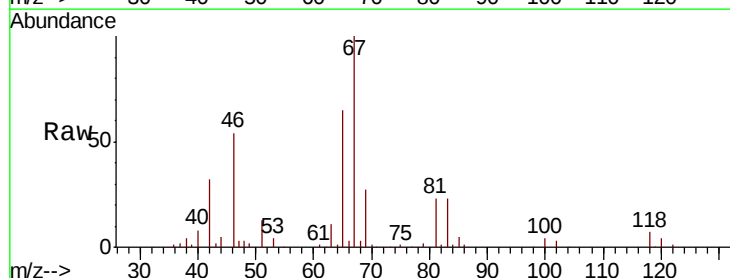
Tgt Ion: 83 Resp: 24828

Ion Ratio Lower Upper

83 100

55 1.1 65.5 98.3#

98 1.0 38.2 57.4#

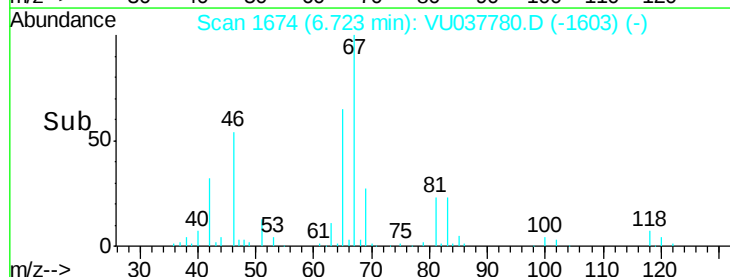


Abundance Ion 83.15 (82.85 to 83.85): VU0

Ion 55.10 (54.80 to 55.80): VU0

Ion 98.15 (97.85 to 98.85): VU0

Time-->



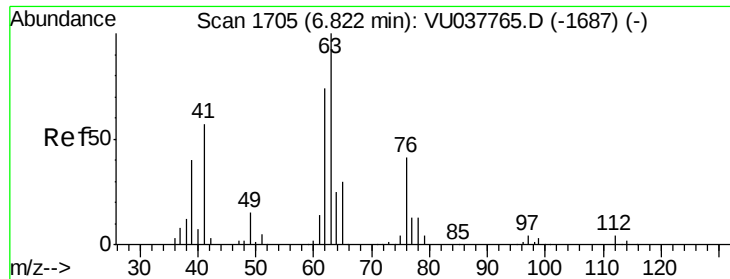
Abundance

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

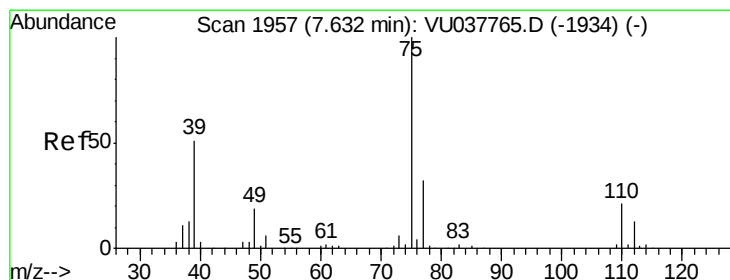
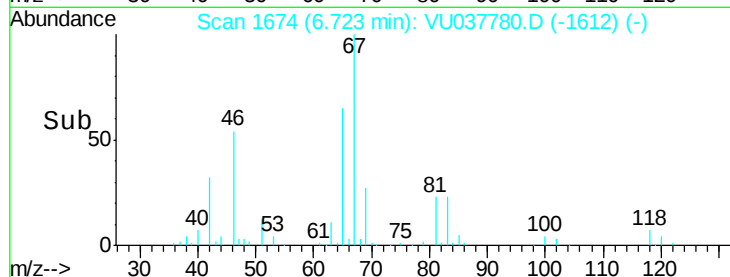
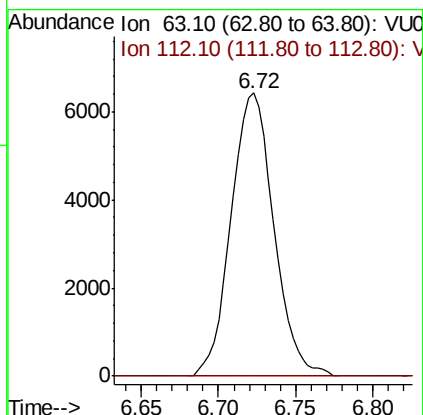
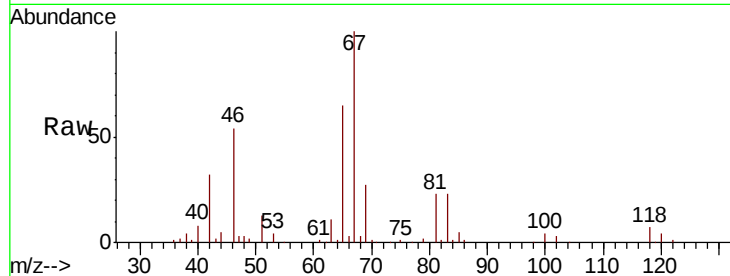
Time-->



#37  
 1,2-Dichloropropane  
 Concen: 0.563 ug/L  
 RT: 6.72 min Scan# 1674  
 Delta R.T. -0.10 min  
 Lab File: VU037780.D  
 Acq: 17 Apr 2020 17:09

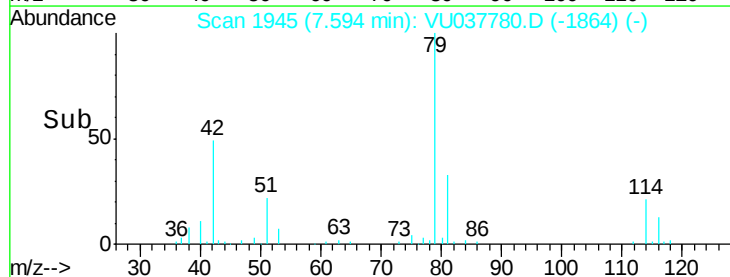
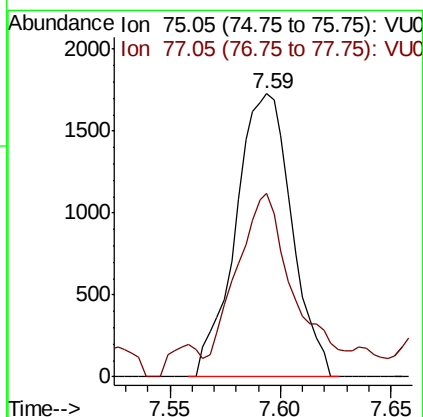
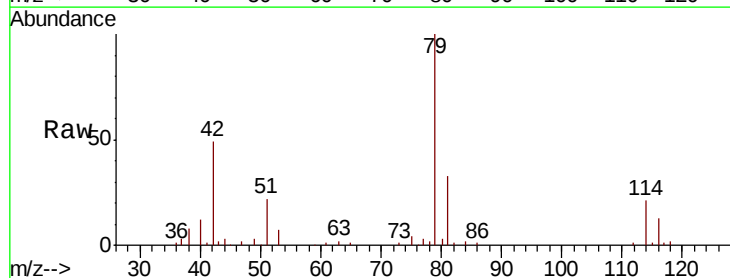
Instrument :  
 MSVOA\_U  
 ClientSampleId :

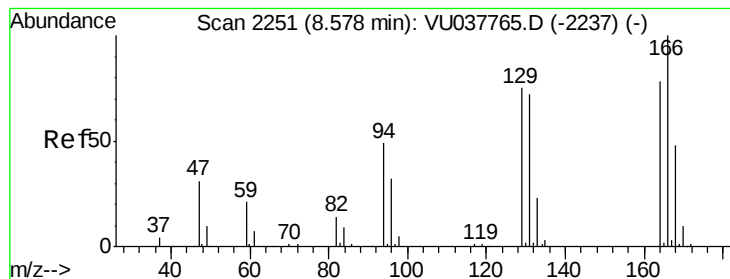
Tot Ion: 63 Resp: 12332  
 Ion Ratio Lower Upper  
 63 100  
 112 0.0 3.4 5.0#



#39  
 cis-1,3-Dichloropropene  
 Concen: 0.089 ug/L  
 RT: 7.59 min Scan# 1945  
 Delta R.T. -0.04 min  
 Lab File: VU037780.D  
 Acq: 17 Apr 2020 17:09

Tgt Ion: 75 Resp: 3050  
 Ion Ratio Lower Upper  
 75 100  
 77 64.8 22.2 41.2#





#47

Tetrachloroethene

Concen: 0.450 ug/L

RT: 8.57 min Scan# 2250

Delta R.T. -0.00 min

Lab File: VU037780.D

Acq: 17 Apr 2020 17:09

Instrument :  
MSVOA\_U  
ClientSampled :

Tot Ion:164 Resp: 6560

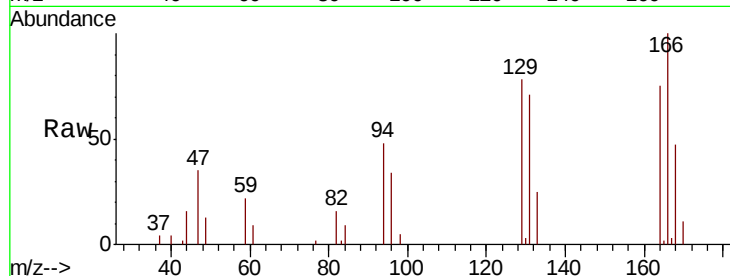
Ion Ratio Lower Upper

164 100

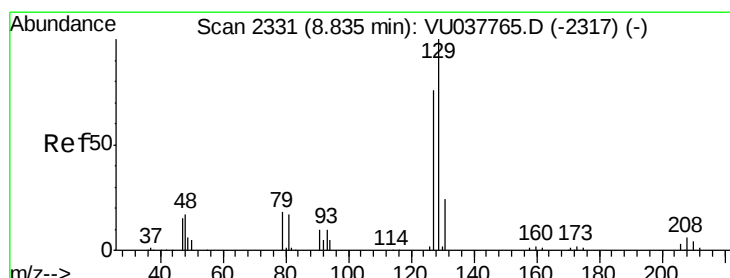
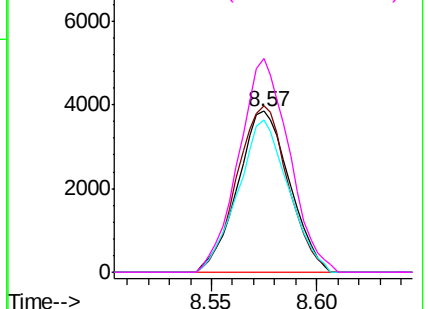
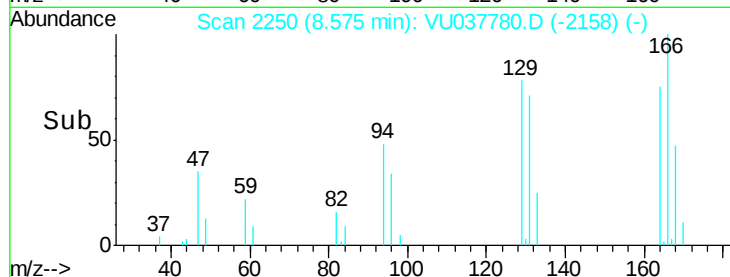
129 103.1 68.1 126.5

131 94.4 65.9 122.5

166 132.7 89.7 166.7



Abundance Ion 163.90 (163.60 to 164.60): V  
Ion 128.95 (128.65 to 129.65): V  
Ion 130.95 (130.65 to 131.65): V  
Ion 165.90 (165.60 to 166.60): V



#49

Dibromochloromethane

Concen: 0.395 ug/L

RT: 8.57 min Scan# 2250

Delta R.T. -0.26 min

Lab File: VU037780.D

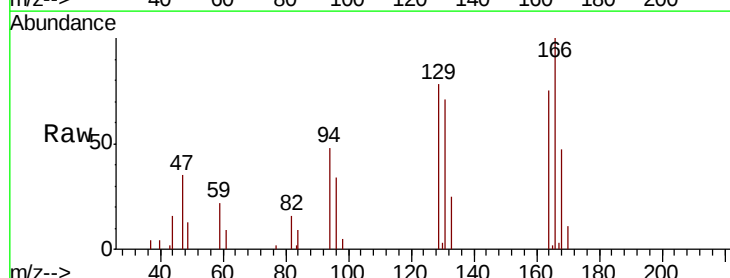
Acq: 17 Apr 2020 17:09

Tgt Ion:129 Resp: 6667

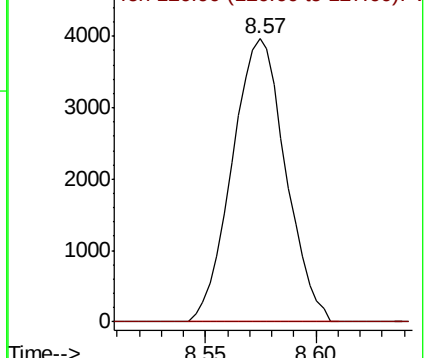
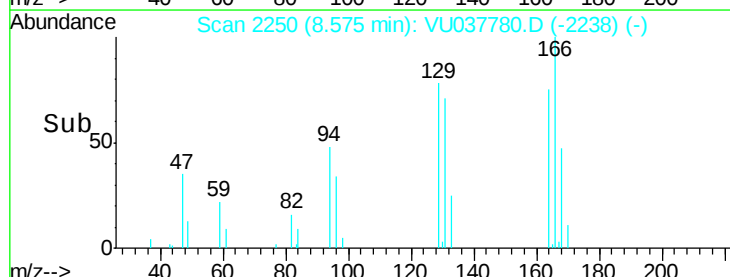
Ion Ratio Lower Upper

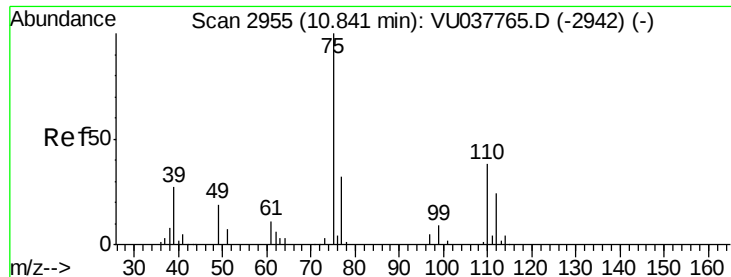
129 100

127 0.0 53.3 98.9#



Abundance Ion 128.95 (128.65 to 129.65): V  
Ion 126.90 (126.60 to 127.60): V





#59

1,2,3-Trichloropropane

Concen: 1.191 ug/L

RT: 11.83 min Scan# 3261

Delta R.T. 0.98 min

Lab File: VU037780.D

Acq: 17 Apr 2020 17:09

Instrument :

MSVOA\_U

ClientSampleId :

Tot Ion: 75 Resp: 17068

Ion Ratio Lower Upper

75 100

77 36.2 25.4 38.2

