

Data File : VU035730.D  
Acq On : 15 Nov 2019 16:42  
Operator : JC/SP  
Sample : K5856-13  
Misc : 25.0mL/MSVOA\_U/WATER  
ALS Vial : 20 Sample Multiplier: 1

Instrument :  
MSVOA\_U  
ClientSampleId :  
GAQH0

Quant Time: Nov 16 01:42:09 2019  
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_U\METHOD\SOMUTR110419WMA.M  
Quant Title : TRACE VOA SOM01.0  
QLast Update : Sat Nov 16 01:36:54 2019  
Response via : Initial Calibration

| Internal Standards         | R.T.  | QIon | Response | Conc | Units | Dev(Min) |
|----------------------------|-------|------|----------|------|-------|----------|
| 1) 1,4-Difluorobenzene     | 6.29  | 114  | 216631   | 5.00 | ug/L  | 0.00     |
| 28) Chlorobenzene-d5       | 9.45  | 117  | 248266   | 5.00 | ug/L  | 0.00     |
| 60) 1,4-Dichlorobenzene-d4 | 11.84 | 152  | 94030    | 5.00 | ug/L  | 0.00     |

#### System Monitoring Compounds

|                                |        |       |          |          |      |         |
|--------------------------------|--------|-------|----------|----------|------|---------|
| 4) Vinyl Chloride-d3           | 1.61   | 65    | 89010    | 3.99     | ug/L | 0.00    |
| Spiked Amount                  | 5.000  | Range | 40 - 130 | Recovery | =    | 79.80%  |
| 7) Chloroethane-d5             | 1.93   | 69    | 85695    | 4.70     | ug/L | 0.00    |
| Spiked Amount                  | 5.000  | Range | 65 - 130 | Recovery | =    | 94.00%  |
| 11) 1,1-Dichloroethene-d2      | 2.59   | 63    | 119057   | 3.17     | ug/L | 0.00    |
| Spiked Amount                  | 5.000  | Range | 60 - 125 | Recovery | =    | 63.40%  |
| 20) 2-Butanone-d5              | 4.70   | 46    | 247767   | 50.33    | ug/L | 0.00    |
| Spiked Amount                  | 50.000 | Range | 40 - 130 | Recovery | =    | 100.66% |
| 24) Chloroform-d               | 5.11   | 84    | 173420   | 4.88     | ug/L | 0.00    |
| Spiked Amount                  | 5.000  | Range | 70 - 125 | Recovery | =    | 97.60%  |
| 26) 1,2-Dichloroethane-d4      | 5.75   | 65    | 95305    | 5.10     | ug/L | 0.00    |
| Spiked Amount                  | 5.000  | Range | 70 - 130 | Recovery | =    | 102.00% |
| 32) Benzene-d6                 | 5.77   | 84    | 334158   | 4.28     | ug/L | 0.00    |
| Spiked Amount                  | 5.000  | Range | 70 - 125 | Recovery | =    | 85.60%  |
| 36) 1,2-Dichloropropane-d6     | 6.74   | 67    | 116074   | 4.59     | ug/L | 0.00    |
| Spiked Amount                  | 5.000  | Range | 60 - 140 | Recovery | =    | 91.80%  |
| 41) Toluene-d8                 | 7.93   | 98    | 268043   | 3.62     | ug/L | 0.00    |
| Spiked Amount                  | 5.000  | Range | 70 - 130 | Recovery | =    | 72.40%  |
| 43) trans-1,3-Dichloropropene- | 8.22   | 79    | 40365    | 4.00     | ug/L | 0.00    |
| Spiked Amount                  | 5.000  | Range | 55 - 130 | Recovery | =    | 80.00%  |
| 46) 2-Hexanone-d5              | 8.68   | 63    | 170860   | 43.20    | ug/L | 0.00    |
| Spiked Amount                  | 50.000 | Range | 45 - 130 | Recovery | =    | 86.40%  |
| 57) 1,1,2,2-Tetrachloroethane- | 10.79  | 84    | 104949   | 4.95     | ug/L | 0.00    |
| Spiked Amount                  | 5.000  | Range | 65 - 120 | Recovery | =    | 99.00%  |
| 64) 1,2-Dichlorobenzene-d4     | 12.22  | 152   | 90156    | 4.84     | ug/L | 0.00    |
| Spiked Amount                  | 5.000  | Range | 80 - 120 | Recovery | =    | 96.80%  |

#### Target Compounds

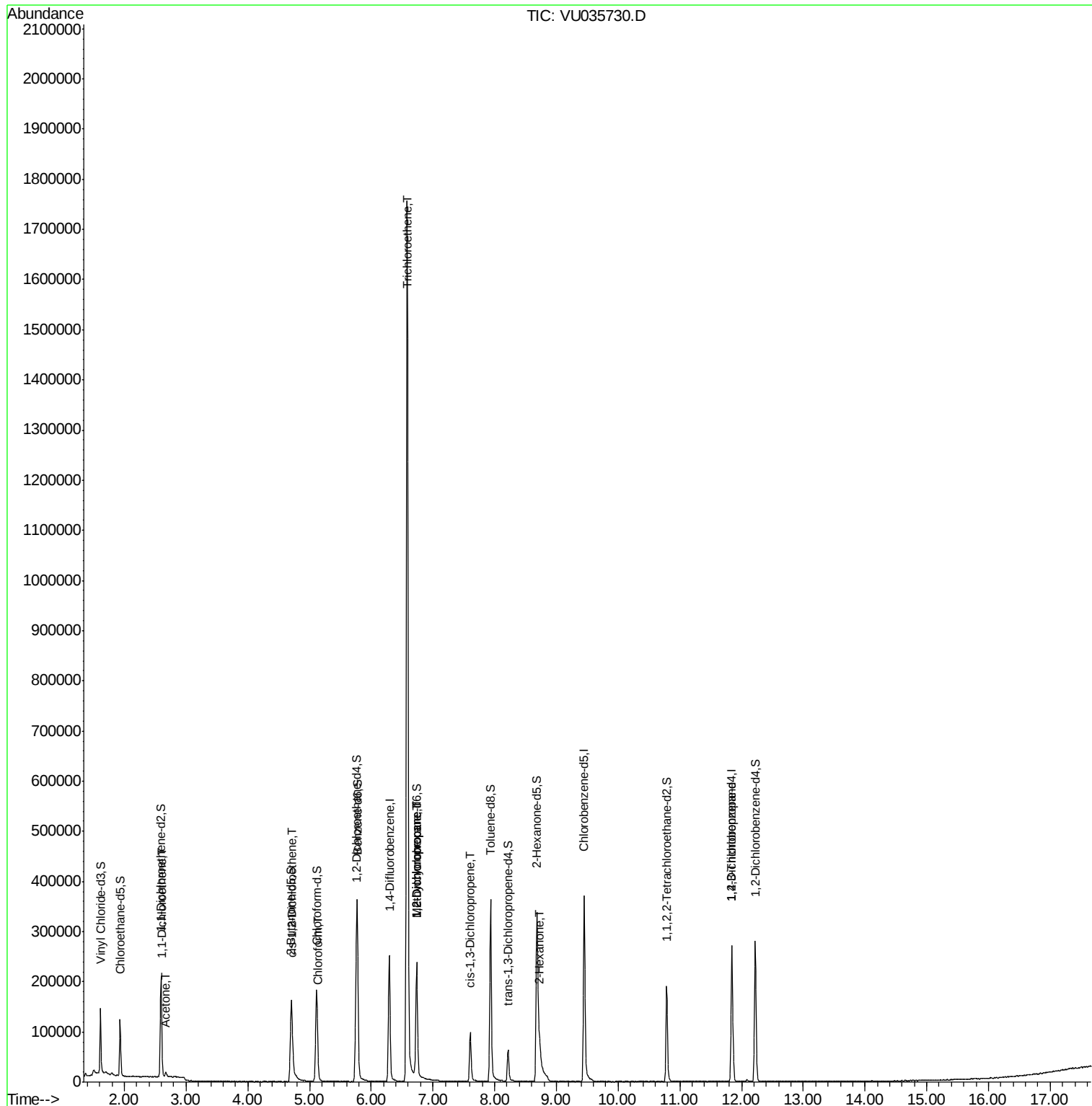
|                             |       |    |        |              | Qvalue |
|-----------------------------|-------|----|--------|--------------|--------|
| 12) 1,1-Dichloroethene      | 2.61  | 96 | 2746   | 0.144 ug/L # | 1      |
| 13) Acetone                 | 2.67  | 43 | 9569   | 2.696 ug/L   | 99     |
| 22) cis-1,2-Dichloroethene  | 4.72  | 96 | 9100   | 0.420 ug/L   | 98     |
| 25) Chloroform              | 5.14  | 83 | 8357   | 0.211 ug/L   | 88     |
| 34) Trichloroethene         | 6.58  | 95 | 622901 | 27.858 ug/L  | 98     |
| 35) Methylcyclohexane       | 6.73  | 83 | 27026  | 0.793 ug/L # | 18     |
| 37) 1,2-Dichloropropane     | 6.73  | 63 | 12116  | 0.526 ug/L # | 88     |
| 39) cis-1,3-Dichloropropene | 7.61  | 75 | 2705   | 0.082 ug/L # | 49     |
| 48) 2-Hexanone              | 8.73  | 43 | 17133  | 1.821 ug/L # | 96     |
| 59) 1,2,3-Trichloropropane  | 11.84 | 75 | 10495  | 0.689 ug/L   | 96     |

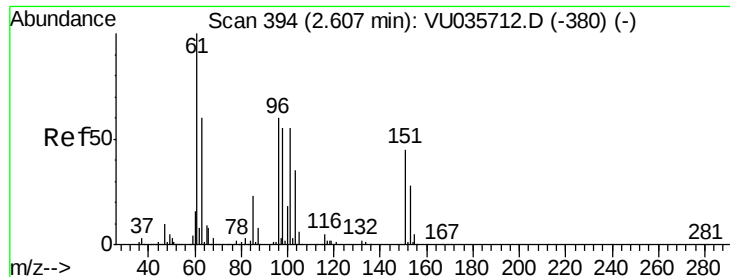
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data File : VU035730.D  
Acq On : 15 Nov 2019 16:42  
Operator : JC/SP  
Sample : K5856-13  
Misc : 25.0mL/MSVOA\_U/WATER  
ALS Vial : 20 Sample Multiplier: 1

Instrument :  
MSVOA\_U  
ClientSampleId :  
GAQH0

Quant Time: Nov 16 01:42:09 2019  
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_U\METHOD\SOMUTR110419WMA.M  
Quant Title : TRACE VOA SOM01.0  
QLast Update : Sat Nov 16 01:36:54 2019  
Response via : Initial Calibration





#12

1,1-Dichloroethene

Concen: 0.144 ug/L

RT: 2.61 min Scan# 396

Delta R.T. 0.01 min

Lab File: VU035730.D

Acq: 15 Nov 2019 16:42

Instrument :

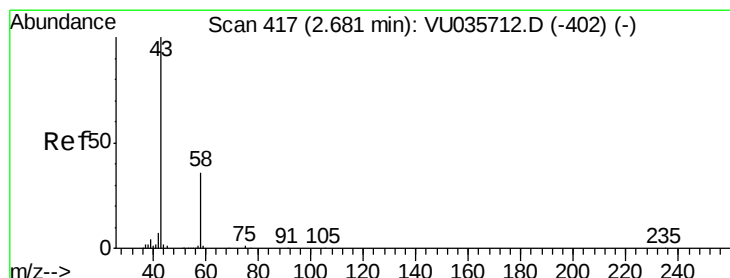
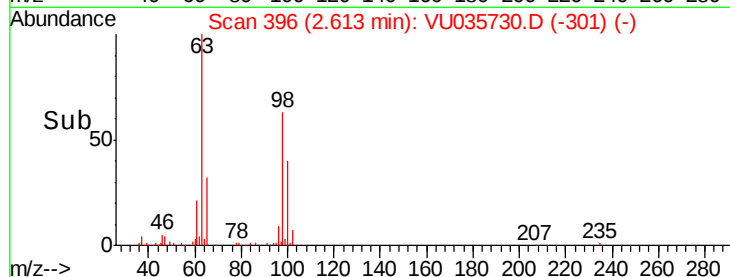
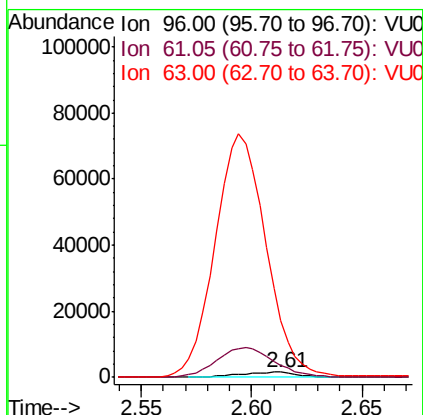
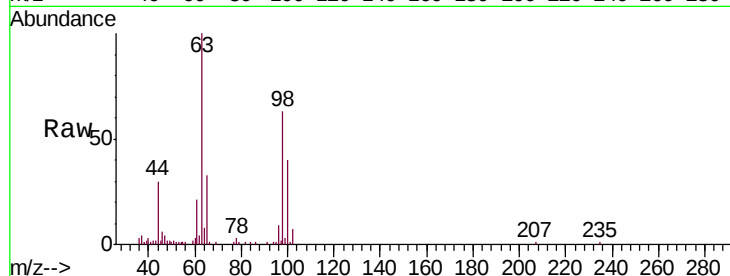
MSVOA\_U

ClientSampleId :

GAQH0

Tgt Ion: 96 Resp: 2746

| Ion | Ratio  | Lower | Upper  |
|-----|--------|-------|--------|
| 96  | 100    |       |        |
| 61  | 244.4  | 123.1 | 228.5# |
| 63  | 1138.2 | 87.8  | 163.0# |



#13

Acetone

Concen: 2.696 ug/L

RT: 2.67 min Scan# 415

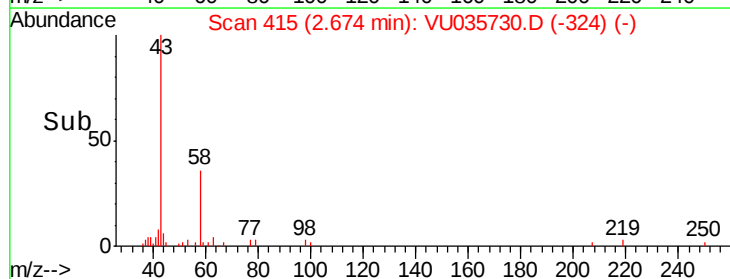
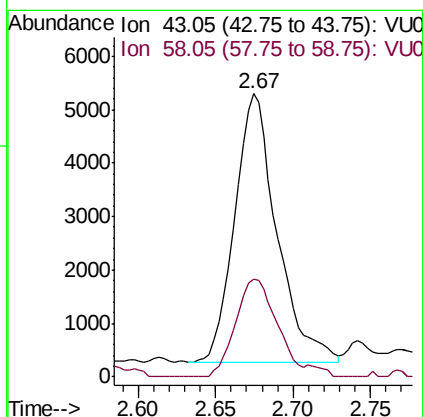
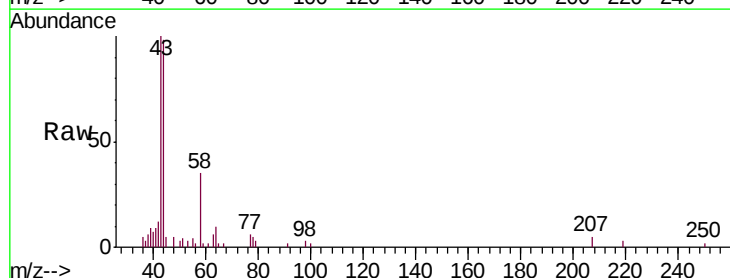
Delta R.T. -0.01 min

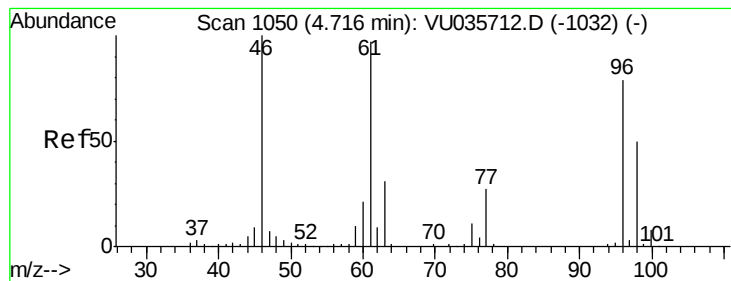
Lab File: VU035730.D

Acq: 15 Nov 2019 16:42

Tgt Ion: 43 Resp: 9569

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 43  | 100   |       |       |
| 58  | 35.3  | 0.0   | 69.8  |





#22

cis-1,2-Dichloroethene

Concen: 0.420 ug/L

RT: 4.72 min Scan# 1051

Delta R.T. 0.00 min

Lab File: VU035730.D

Acq: 15 Nov 2019 16:42

Instrument :

MSVOA\_U

ClientSampleId :

GAQH0

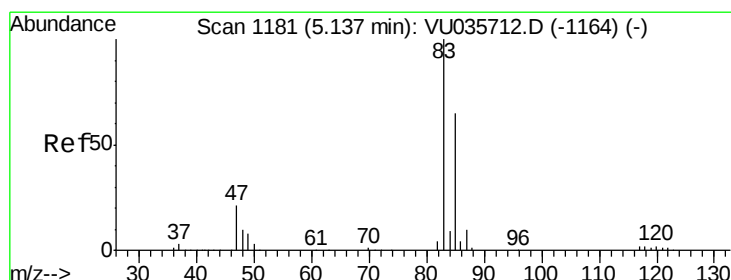
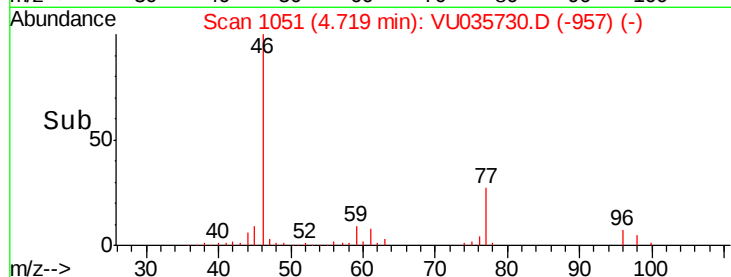
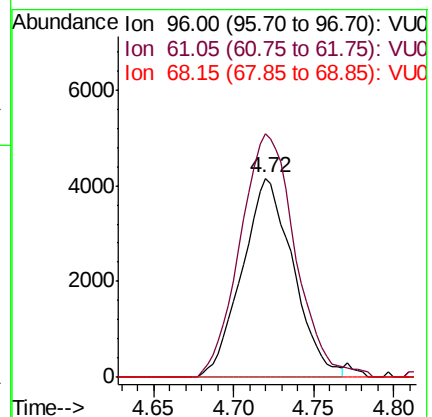
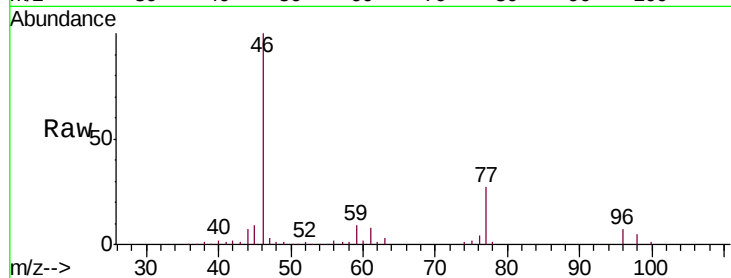
Tgt Ion: 96 Resp: 9100

Ion Ratio Lower Upper

96 100

61 122.1 87.0 161.6

68 0.0 0.0 0.0



#25

Chloroform

Concen: 0.211 ug/L

RT: 5.14 min Scan# 1182

Delta R.T. 0.00 min

Lab File: VU035730.D

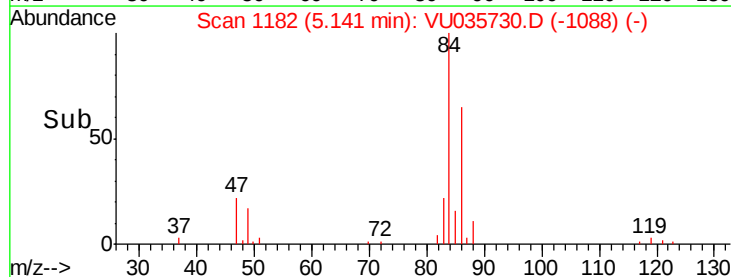
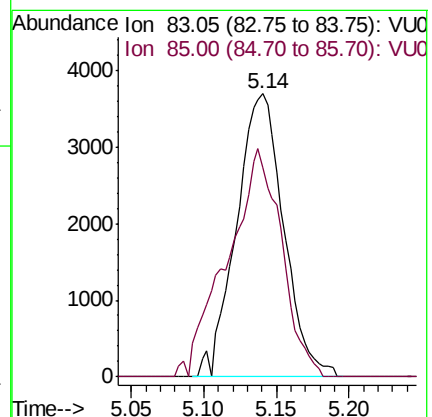
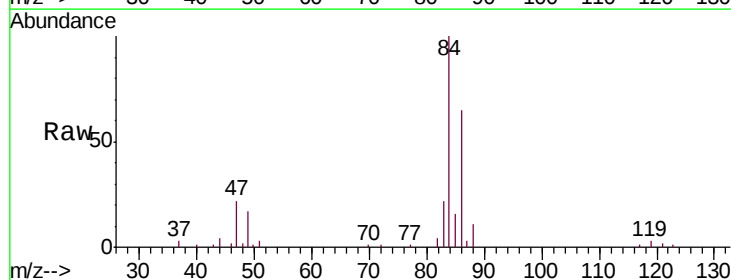
Acq: 15 Nov 2019 16:42

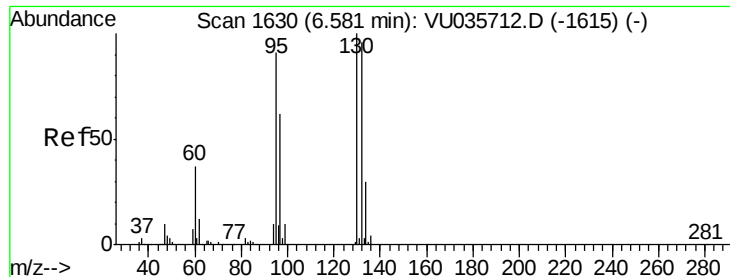
Tgt Ion: 83 Resp: 8357

Ion Ratio Lower Upper

83 100

85 74.0 45.4 84.2





#34

Trichloroethene

Concen: 27.858 ug/L

RT: 6.58 min Scan# 1631

Delta R.T. 0.00 min

Lab File: VU035730.D

Acq: 15 Nov 2019 16:42

Instrument :

MSVOA\_U

ClientSampled :

GAQH0

Tgt Ion: 95 Resp: 622901

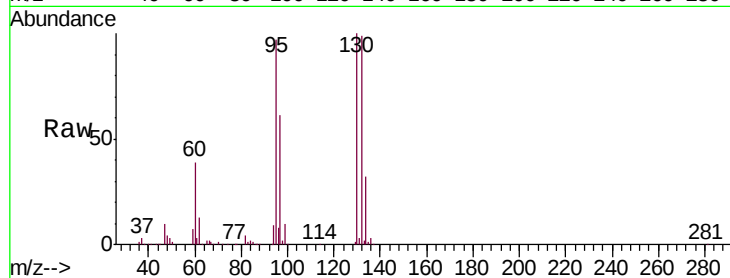
Ion Ratio Lower Upper

95 100

97 63.0 44.5 82.7

132 102.1 69.9 129.7

130 103.5 74.1 137.7

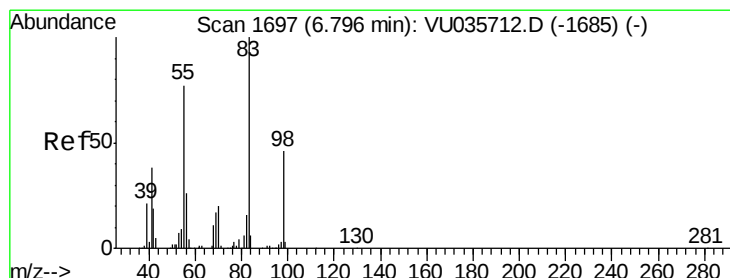
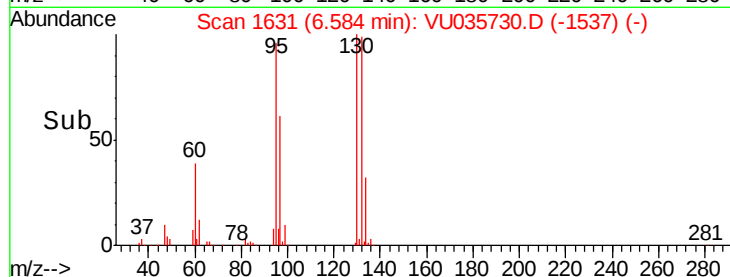
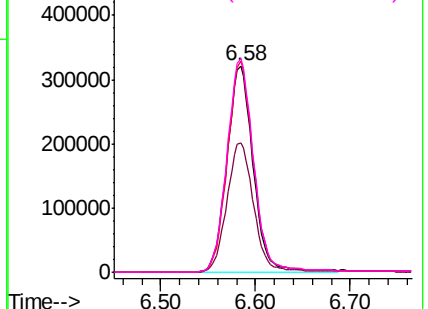


Abundance Ion 95.00 (94.70 to 95.70): VU0

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: 0.793 ug/L

RT: 6.73 min Scan# 1677

Delta R.T. -0.06 min

Lab File: VU035730.D

Acq: 15 Nov 2019 16:42

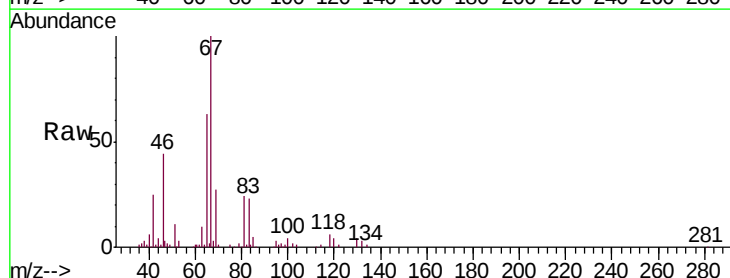
Tgt Ion: 83 Resp: 27026

Ion Ratio Lower Upper

83 100

55 0.1 62.6 93.8#

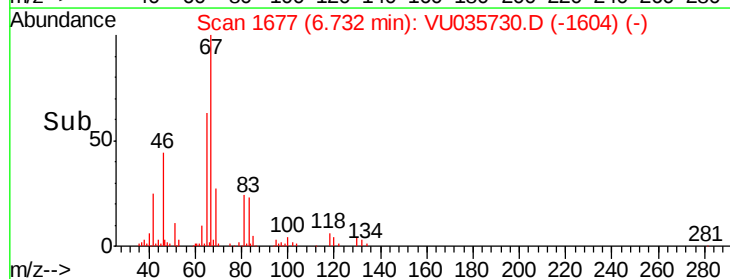
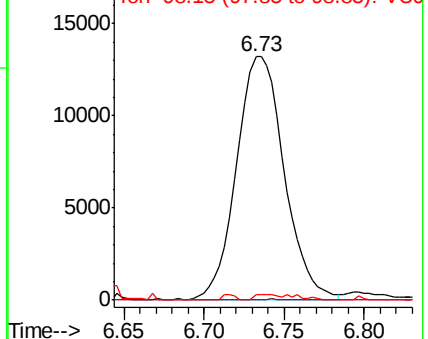
98 0.0 37.2 55.8#

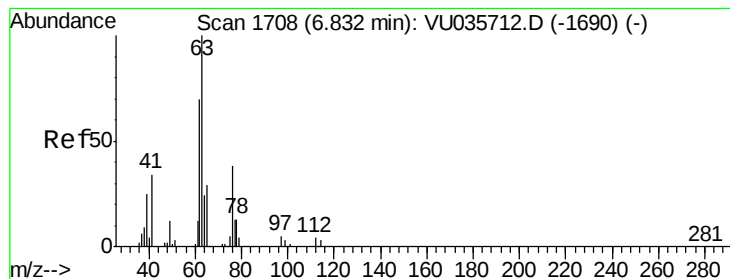


Abundance Ion 83.15 (82.85 to 83.85): VU0

Ion 55.10 (54.80 to 55.80): VU0

Ion 98.15 (97.85 to 98.85): VU0





#37

1,2-Dichloropropane

Concen: 0.526 ug/L

RT: 6.73 min Scan# 1677

Delta R.T. -0.10 min

Lab File: VU035730.D

Acq: 15 Nov 2019 16:42

Instrument :

MSVOA\_U

ClientSampleId :

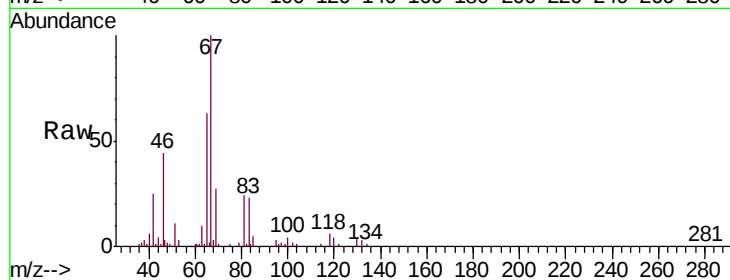
GAQH0

Tgt Ion: 63 Resp: 12116

Ion Ratio Lower Upper

63 100

112 0.3 3.4 5.2#



Abundance Ion 63.10 (62.80 to 63.80): VU035712.D (-1690) (-)

Ion 112.10 (111.80 to 112.80): VU035712.D (-1690) (-)

6.73

6000

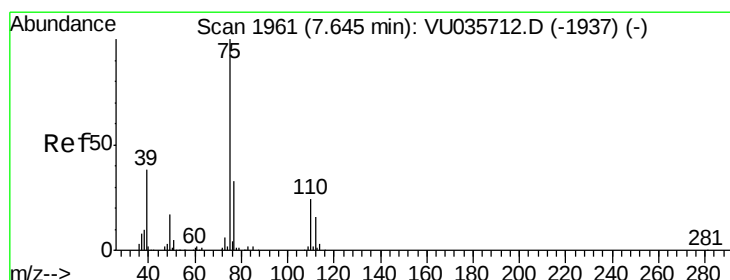
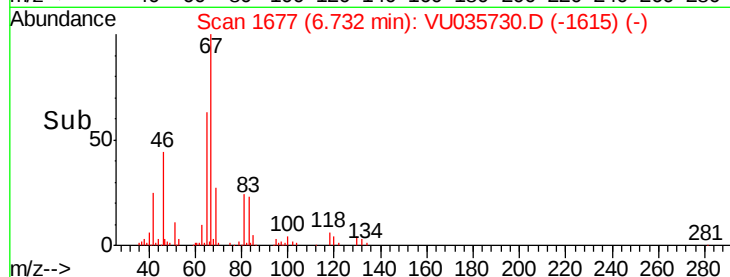
4000

2000

0

6.65 6.70 6.75 6.80

Time-->



#39

cis-1,3-Dichloropropene

Concen: 0.082 ug/L

RT: 7.61 min Scan# 1949

Delta R.T. -0.04 min

Lab File: VU035730.D

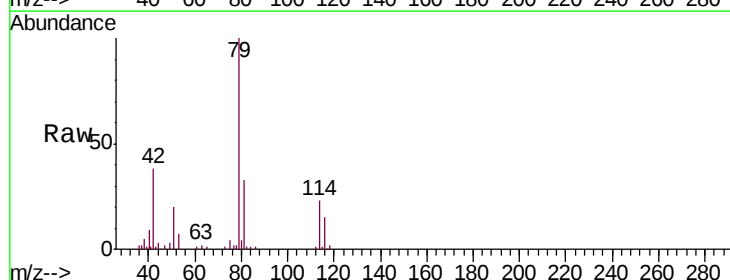
Acq: 15 Nov 2019 16:42

Tgt Ion: 75 Resp: 2705

Ion Ratio Lower Upper

75 100

77 60.6 22.5 41.7#



Abundance Ion 75.05 (74.75 to 75.75): VU035712.D (-1937) (-)

Ion 77.05 (76.75 to 77.75): VU035712.D (-1937) (-)

7.61

1500

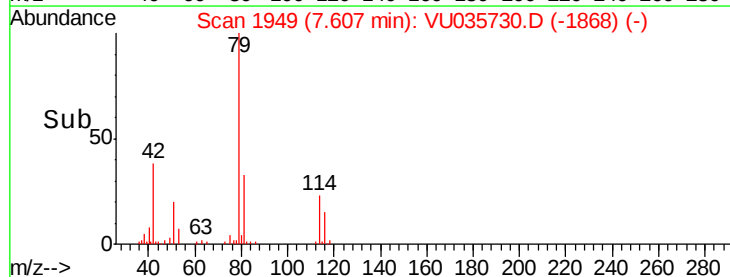
1000

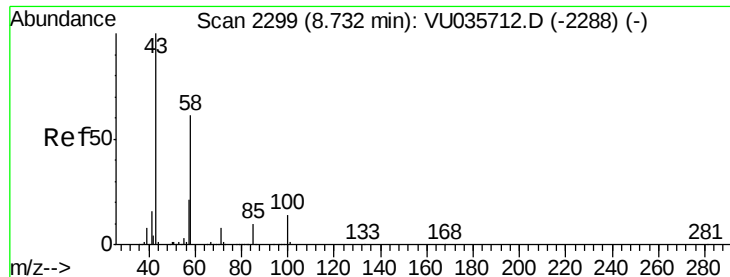
500

0

7.55 7.60 7.65

Time-->

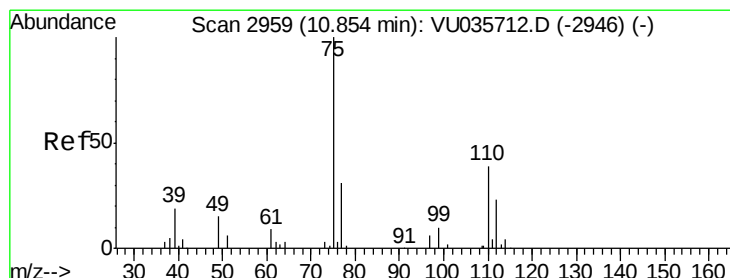
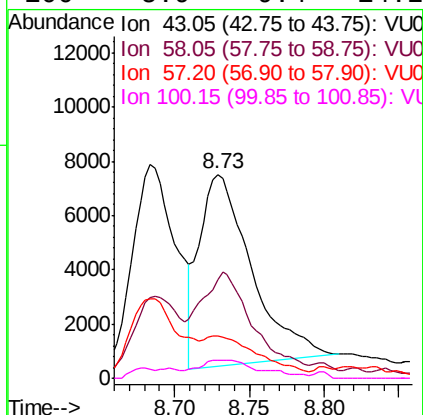
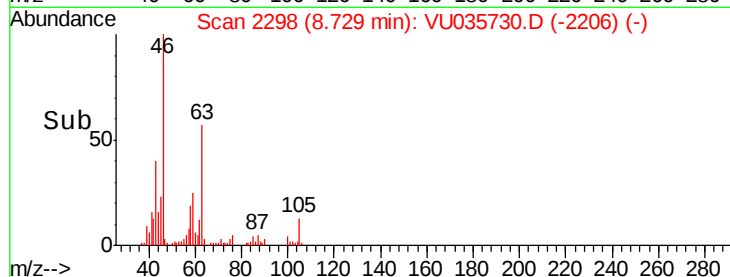
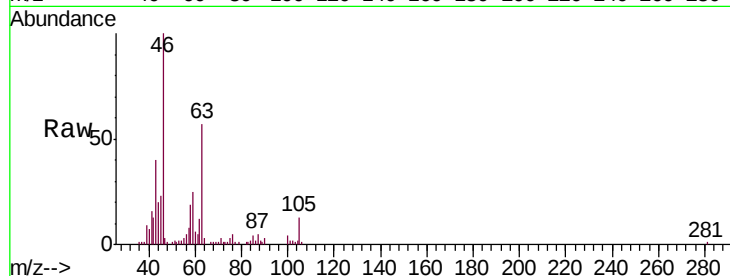




#48  
2-Hexanone  
Concen: 1.821 ug/L  
RT: 8.73 min Scan# 2298  
Delta R.T. -0.00 min  
Lab File: VU035730.D  
Acq: 15 Nov 2019 16:42

Instrument :  
MSVOA\_U  
ClientSampleId :  
GAQH0

Tgt Ion: 43 Resp: 17133  
Ion Ratio Lower Upper  
43 100  
58 55.5 44.1 66.1  
57 22.8 15.1 22.7#  
100 5.9 9.4 14.2#



#59  
1,2,3-Trichloropropane  
Concen: 0.689 ug/L  
RT: 11.84 min Scan# 3267  
Delta R.T. 0.99 min  
Lab File: VU035730.D  
Acq: 15 Nov 2019 16:42

Tgt Ion: 75 Resp: 10495  
Ion Ratio Lower Upper  
75 100  
77 35.8 26.8 40.2

