

Data File : VU036804.D  
Acq On : 17 Feb 2020 12:51  
Operator : JC/MD  
Sample : L1540-02  
Misc : 25.0mL/MSVOA\_U/WATER  
ALS Vial : 4 Sample Multiplier: 1

Instrument :  
MSVOA\_U  
ClientSampleId :  
DBD32

Quant Time: Feb 18 00:48:23 2020  
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_U\METHOD\SOMUTR021220WMA.M  
Quant Title : TRACE VOA SOM01.0  
QLast Update : Tue Feb 18 00:46:02 2020  
Response via : Initial Calibration

| Internal Standards         | R.T.  | QIon | Response | Conc | Units | Dev(Min) |
|----------------------------|-------|------|----------|------|-------|----------|
| 1) 1,4-Difluorobenzene     | 6.29  | 114  | 123315   | 5.00 | ug/L  | 0.00     |
| 28) Chlorobenzene-d5       | 9.44  | 117  | 116450   | 5.00 | ug/L  | 0.00     |
| 60) 1,4-Dichlorobenzene-d4 | 11.83 | 152  | 45909    | 5.00 | ug/L  | 0.00     |

#### System Monitoring Compounds

|                                |        |       |          |          |      |         |
|--------------------------------|--------|-------|----------|----------|------|---------|
| 4) Vinyl Chloride-d3           | 1.61   | 65    | 42801    | 4.04     | ug/L | 0.00    |
| Spiked Amount                  | 5.000  | Range | 40 - 130 | Recovery | =    | 80.80%  |
| 7) Chloroethane-d5             | 1.93   | 69    | 42109    | 4.57     | ug/L | 0.00    |
| Spiked Amount                  | 5.000  | Range | 65 - 130 | Recovery | =    | 91.40%  |
| 11) 1,1-Dichloroethene-d2      | 2.59   | 63    | 58477    | 3.30     | ug/L | 0.00    |
| Spiked Amount                  | 5.000  | Range | 60 - 125 | Recovery | =    | 66.00%  |
| 20) 2-Butanone-d5              | 4.67   | 46    | 111456   | 50.12    | ug/L | 0.00    |
| Spiked Amount                  | 50.000 | Range | 40 - 130 | Recovery | =    | 100.24% |
| 24) Chloroform-d               | 5.11   | 84    | 74043    | 4.52     | ug/L | 0.00    |
| Spiked Amount                  | 5.000  | Range | 70 - 125 | Recovery | =    | 90.40%  |
| 26) 1,2-Dichloroethane-d4      | 5.74   | 65    | 45155    | 4.82     | ug/L | 0.00    |
| Spiked Amount                  | 5.000  | Range | 70 - 130 | Recovery | =    | 96.40%  |
| 32) Benzene-d6                 | 5.76   | 84    | 169522   | 4.79     | ug/L | 0.00    |
| Spiked Amount                  | 5.000  | Range | 70 - 125 | Recovery | =    | 95.80%  |
| 36) 1,2-Dichloropropane-d6     | 6.73   | 67    | 55414    | 4.94     | ug/L | 0.00    |
| Spiked Amount                  | 5.000  | Range | 60 - 140 | Recovery | =    | 98.80%  |
| 41) Toluene-d8                 | 7.93   | 98    | 152494   | 4.63     | ug/L | 0.00    |
| Spiked Amount                  | 5.000  | Range | 70 - 130 | Recovery | =    | 92.60%  |
| 43) trans-1,3-Dichloropropene- | 8.21   | 79    | 20047    | 4.59     | ug/L | 0.00    |
| Spiked Amount                  | 5.000  | Range | 55 - 130 | Recovery | =    | 91.80%  |
| 46) 2-Hexanone-d5              | 8.66   | 63    | 97364    | 48.81    | ug/L | 0.00    |
| Spiked Amount                  | 50.000 | Range | 45 - 130 | Recovery | =    | 97.62%  |
| 57) 1,1,2,2-Tetrachloroethane- | 10.78  | 84    | 42111    | 4.75     | ug/L | 0.00    |
| Spiked Amount                  | 5.000  | Range | 65 - 120 | Recovery | =    | 95.00%  |
| 64) 1,2-Dichlorobenzene-d4     | 12.21  | 152   | 45525    | 4.96     | ug/L | 0.00    |
| Spiked Amount                  | 5.000  | Range | 80 - 120 | Recovery | =    | 99.20%  |

#### Target Compounds

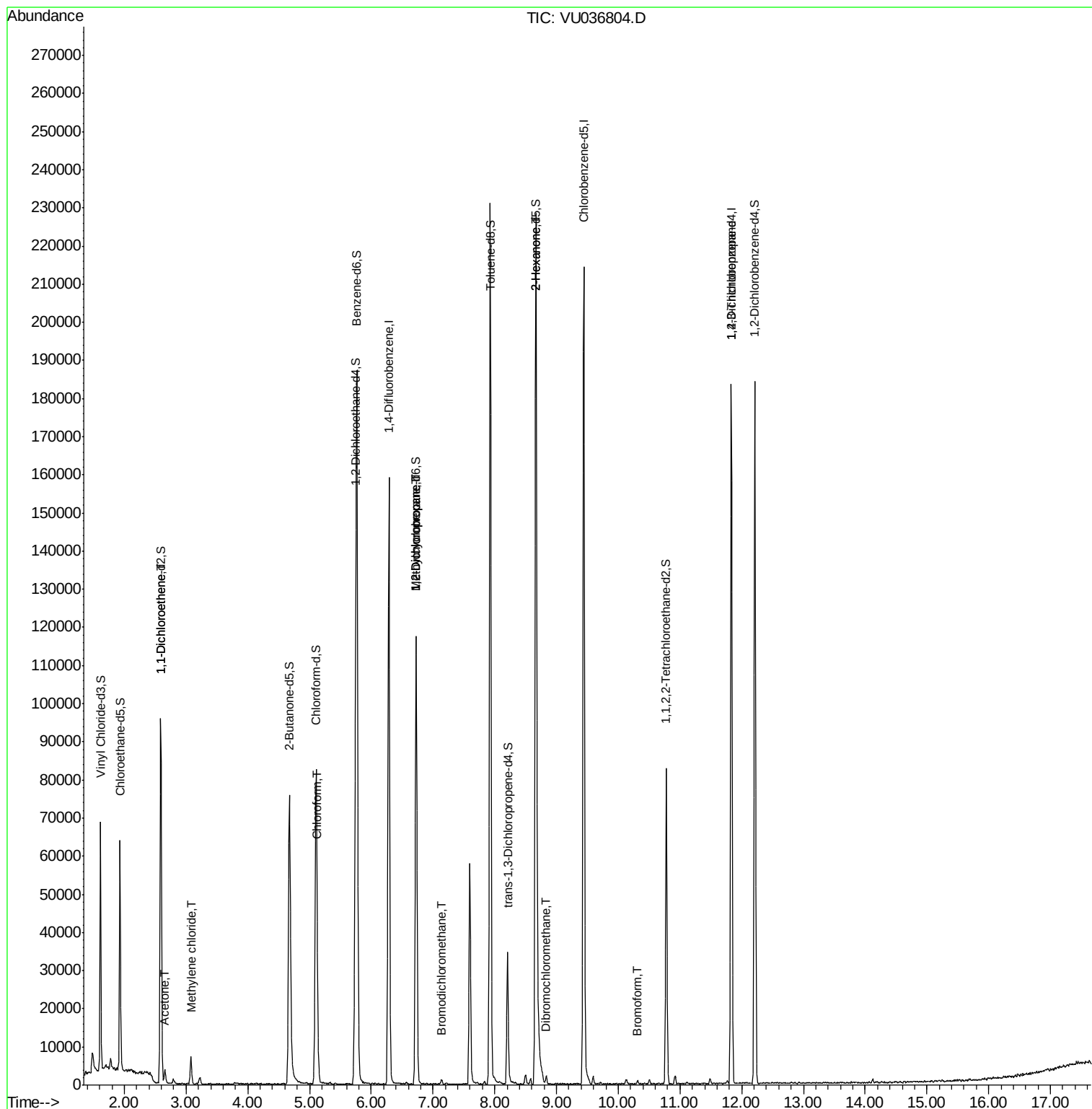
|                            |       |     |       |              | Qvalue |
|----------------------------|-------|-----|-------|--------------|--------|
| 12) 1,1-Dichloroethene     | 2.59  | 96  | 491   | 0.065 ug/L # | 1      |
| 13) Acetone                | 2.66  | 43  | 4007  | 1.409 ug/L   | 91     |
| 16) Methylene chloride     | 3.08  | 84  | 3464  | 0.274 ug/L   | 84     |
| 25) Chloroform             | 5.13  | 83  | 7618  | 0.439 ug/L   | 89     |
| 35) Methylcyclohexane      | 6.73  | 83  | 12208 | 0.841 ug/L # | 19     |
| 37) 1,2-Dichloropropane    | 6.73  | 63  | 5943  | 0.606 ug/L # | 89     |
| 38) Bromodichloromethane   | 7.13  | 83  | 906   | 0.077 ug/L # | 83     |
| 48) 2-Hexanone             | 8.67  | 43  | 10718 | 1.979 ug/L # | 68     |
| 49) Dibromochloromethane   | 8.83  | 129 | 1172  | 0.166 ug/L   | 89     |
| 59) 1,2,3-Trichloropropane | 11.83 | 75  | 7111  | 1.098 ug/L   | 92     |
| 61) Bromoform              | 10.31 | 173 | 462   | 0.146 ug/L # | 89     |

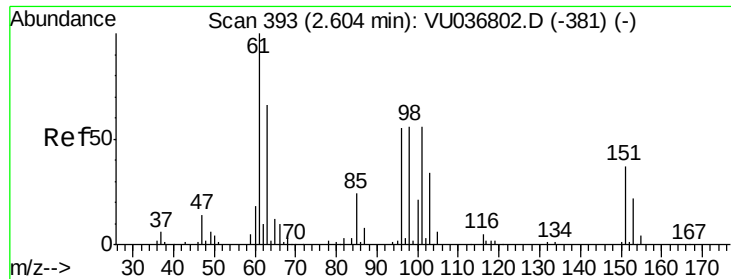
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#12

1,1-Dichloroethene

Concen: 0.065 ug/L

RT: 2.59 min Scan# 389

Delta R.T. -0.01 min

Lab File: VU036804.D

Acq: 17 Feb 2020 12:51

Instrument :

MSVOA\_U

ClientSampleId :

DBD32

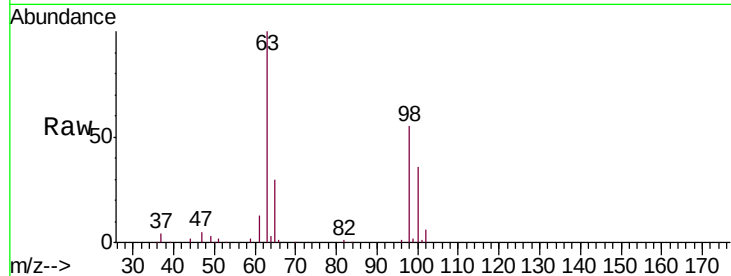
Tgt Ion: 96 Resp: 491

Ion Ratio Lower Upper

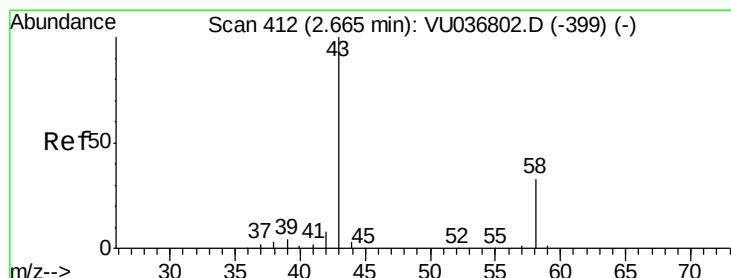
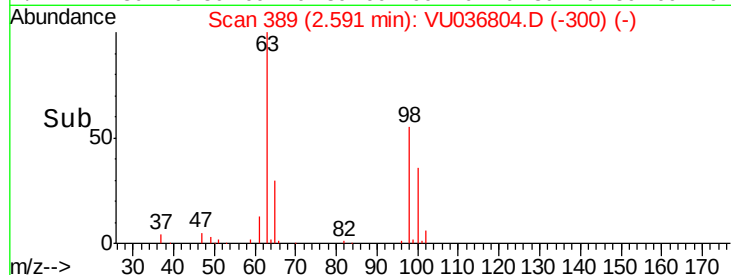
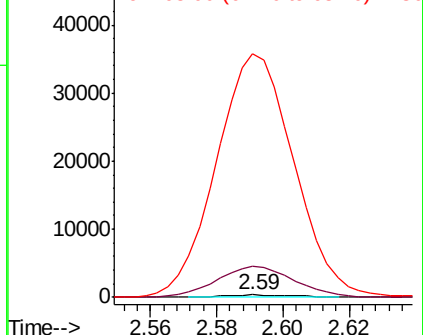
96 100

61 1288.3 126.4 234.8#

63 10214.9 89.5 166.3#



Abundance Ion 96.00 (95.70 to 96.70): VU0  
Ion 61.05 (60.75 to 61.75): VU0  
Ion 63.00 (62.70 to 63.70): VU0



#13

Acetone

Concen: 1.409 ug/L

RT: 2.66 min Scan# 410

Delta R.T. -0.01 min

Lab File: VU036804.D

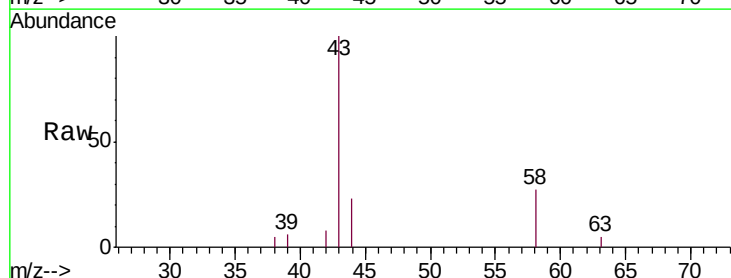
Acq: 17 Feb 2020 12:51

Tgt Ion: 43 Resp: 4007

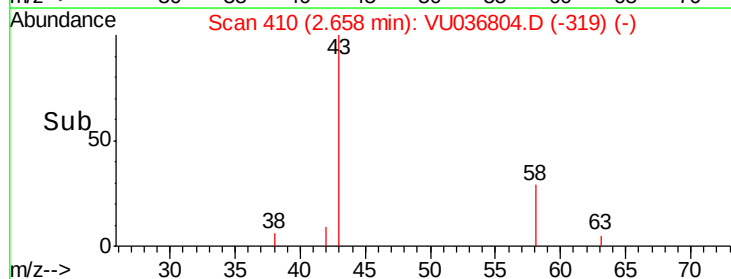
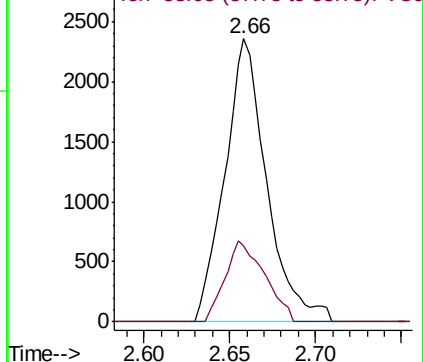
Ion Ratio Lower Upper

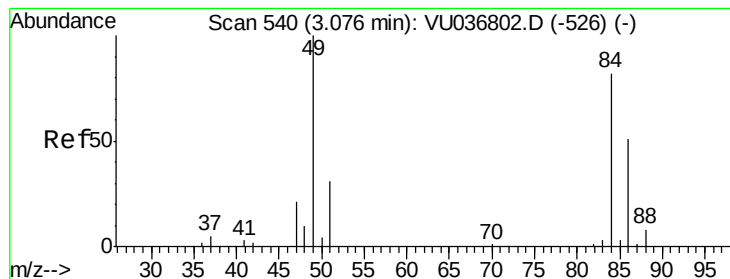
43 100

58 27.0 0.0 64.2



Abundance Ion 43.05 (42.75 to 43.75): VU0  
Ion 58.05 (57.75 to 58.75): VU0





#16

Methylene chloride

Concen: 0.274 ug/L

RT: 3.08 min Scan# 541

Delta R.T. 0.00 min

Lab File: VU036804.D

Acq: 17 Feb 2020 12:51

Instrument :

MSVOA\_U

ClientSampleId :

DBD32

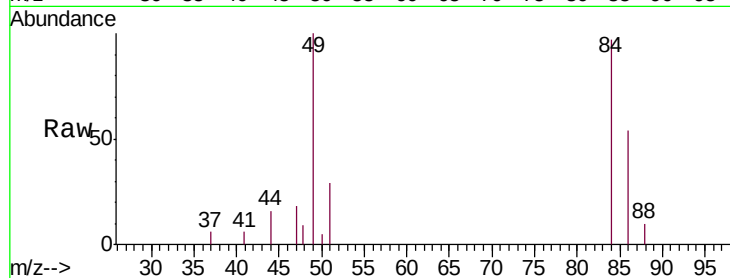
Tgt Ion: 84 Resp: 3464

Ion Ratio Lower Upper

84 100

86 55.4 44.7 82.9

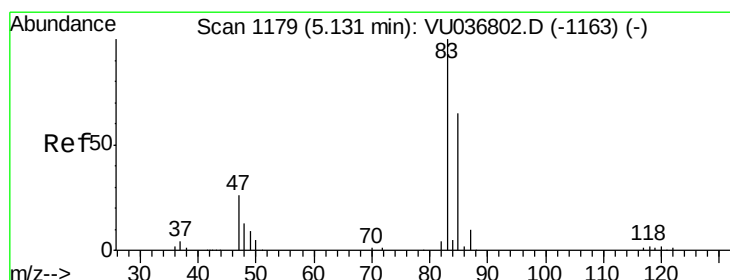
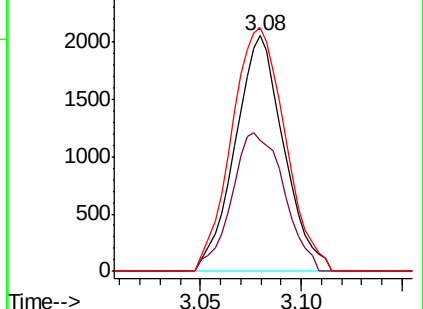
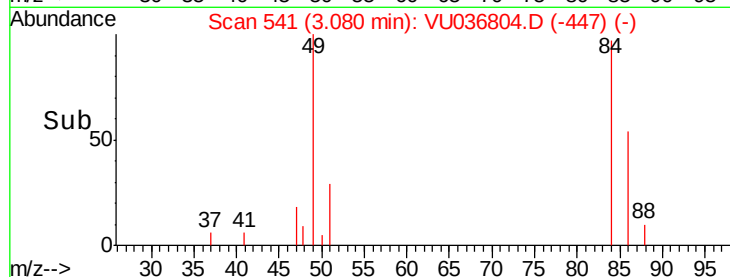
49 103.5 86.7 160.9



Abundance Ion 84.05 (83.75 to 84.75): VU036804.D (-447) (-)

Ion 86.00 (85.70 to 86.70): VU036804.D (-447) (-)

Ion 49.10 (48.80 to 49.80): VU036804.D (-447) (-)



#25

Chloroform

Concen: 0.439 ug/L

RT: 5.13 min Scan# 1179

Delta R.T. 0.00 min

Lab File: VU036804.D

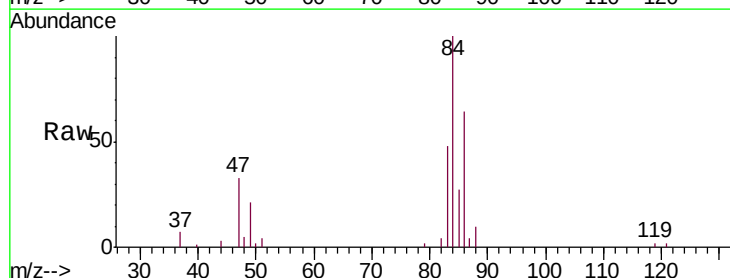
Acq: 17 Feb 2020 12:51

Tgt Ion: 83 Resp: 7618

Ion Ratio Lower Upper

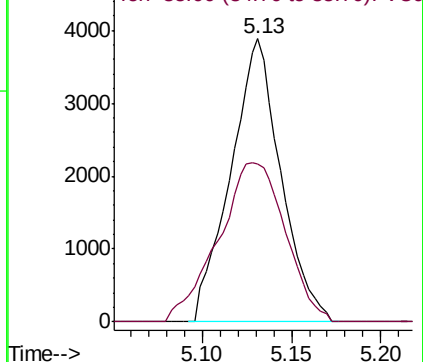
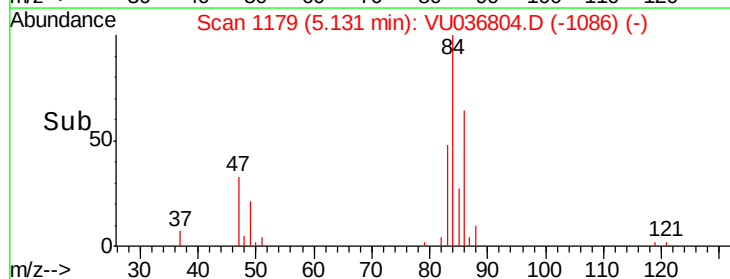
83 100

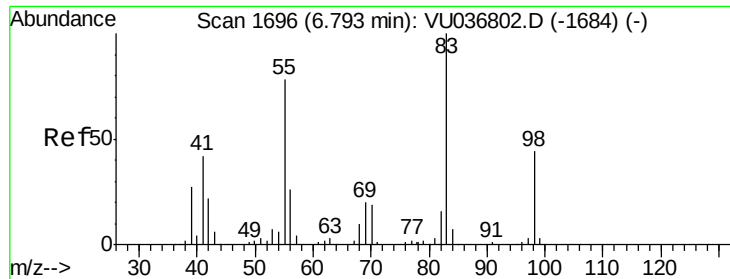
85 55.8 45.4 84.2



Abundance Ion 83.05 (82.75 to 83.75): VU036804.D (-1086) (-)

Ion 85.00 (84.70 to 85.70): VU036804.D (-1086) (-)

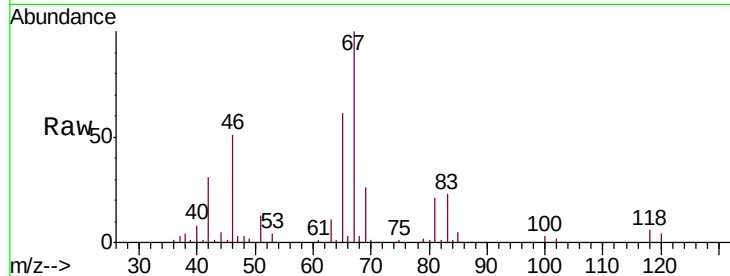




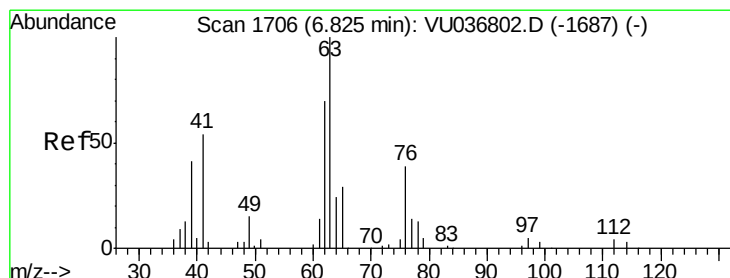
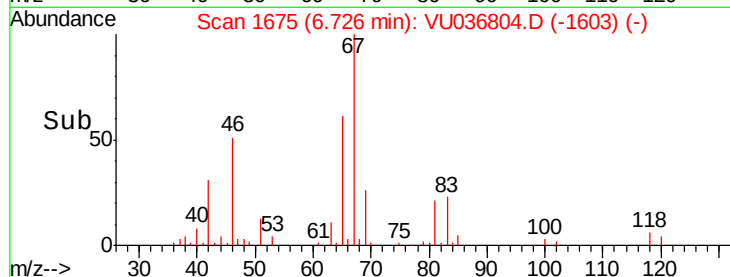
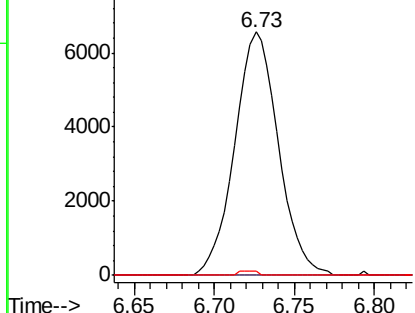
#35  
Methylcyclohexane  
Concen: 0.841 ug/L  
RT: 6.73 min Scan# 1675  
Delta R.T. -0.07 min  
Lab File: VU036804.D  
Acq: 17 Feb 2020 12:51

Instrument :  
MSVOA\_U  
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DBD32

Tgt Ion: 83 Resp: 12208  
Ion Ratio Lower Upper  
83 100  
55 0.0 61.0 91.4#  
98 0.7 34.2 51.4#

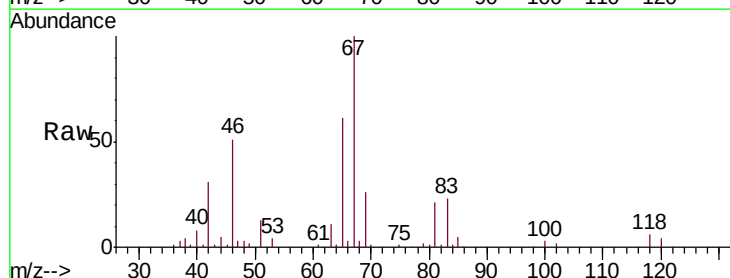


Abundance Ion 83.15 (82.85 to 83.85): VU0  
Ion 55.10 (54.80 to 55.80): VU0  
Ion 98.15 (97.85 to 98.85): VU0

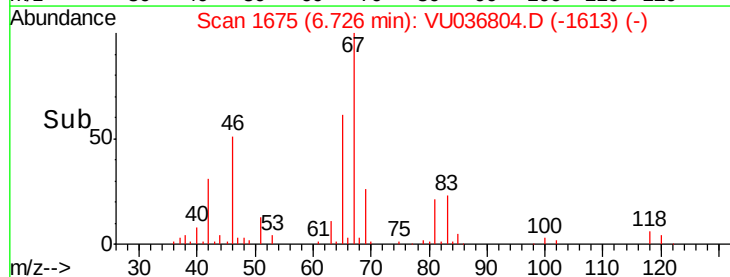
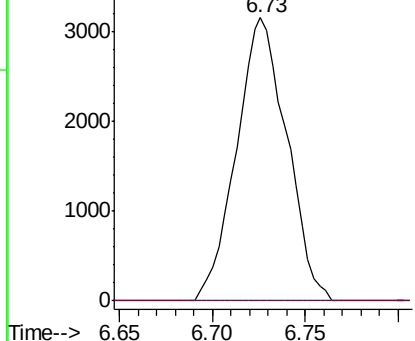


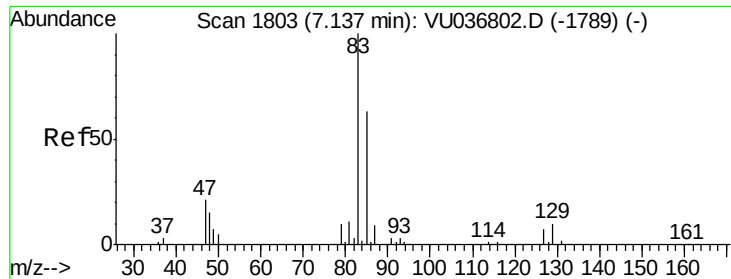
#37  
1,2-Dichloropropane  
Concen: 0.606 ug/L  
RT: 6.73 min Scan# 1675  
Delta R.T. -0.10 min  
Lab File: VU036804.D  
Acq: 17 Feb 2020 12:51

Tgt Ion: 63 Resp: 5943  
Ion Ratio Lower Upper  
63 100  
112 0.0 3.0 4.4#



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





#38

Bromodichloromethane

Concen: 0.077 ug/L

RT: 7.13 min Scan# 1802

Delta R.T. -0.00 min

Lab File: VU036804.D

Acq: 17 Feb 2020 12:51

Instrument :

MSVOA\_U

ClientSampleId :

DBD32

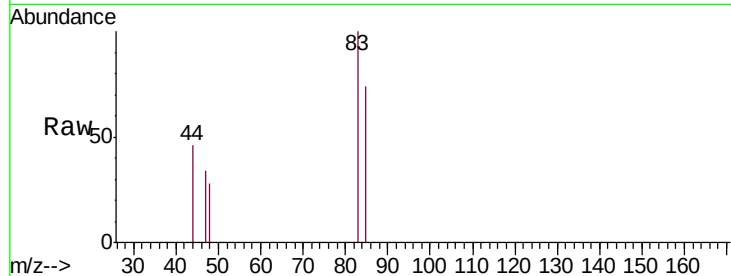
Tgt Ion: 83 Resp: 906

Ion Ratio Lower Upper

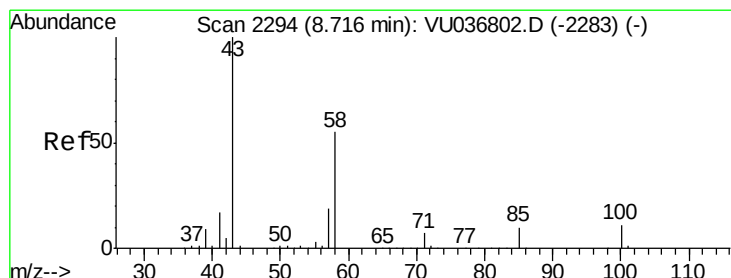
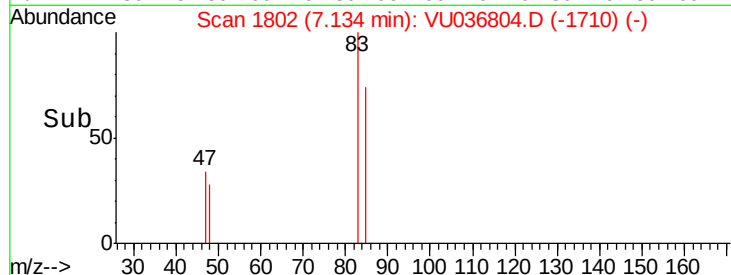
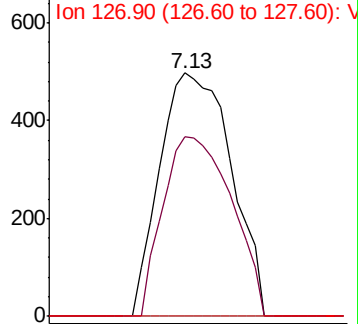
83 100

85 73.9 43.0 80.0

127 0.0 6.3 9.5#



Abundance Ion 82.95 (82.65 to 83.65): VU036802.D (-1789) (-)



#48

2-Hexanone

Concen: 1.979 ug/L

RT: 8.67 min Scan# 2279

Delta R.T. -0.05 min

Lab File: VU036804.D

Acq: 17 Feb 2020 12:51

Tgt Ion: 43 Resp: 10718

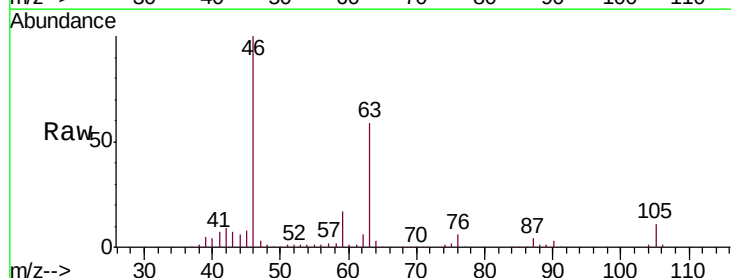
Ion Ratio Lower Upper

43 100

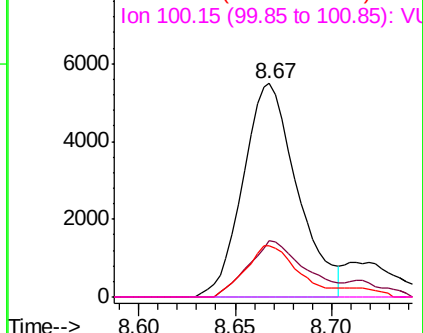
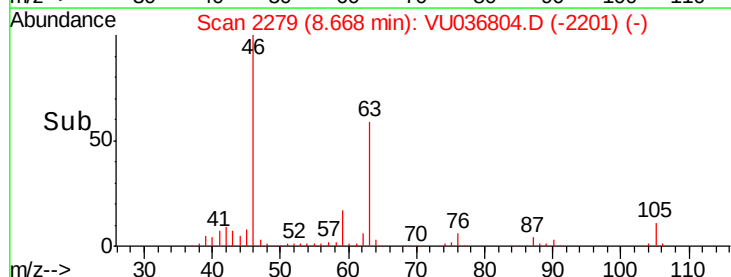
58 27.6 43.6 65.4#

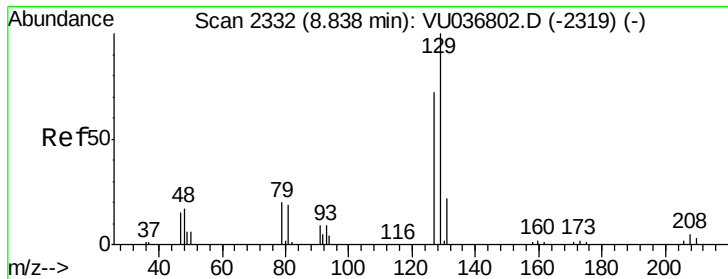
57 26.3 15.0 22.4#

100 0.0 9.0 13.6#



Abundance Ion 43.05 (42.75 to 43.75): VU036802.D (-2283) (-)





#49

Dibromochloromethane

Concen: 0.166 ug/L

RT: 8.83 min Scan# 2331

Delta R.T. -0.00 min

Lab File: VU036804.D

Acq: 17 Feb 2020 12:51

Instrument :

MSVOA\_U

ClientSampleId :

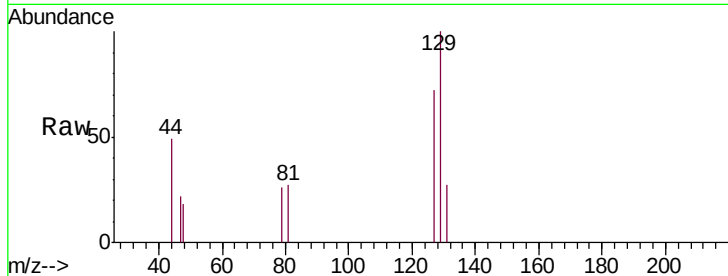
DBD32

Tgt Ion:129 Resp: 1172

Ion Ratio Lower Upper

129 100

127 71.6 56.7 105.3



Abundance Ion 128.95 (128.65 to 129.65): V

Ion 126.90 (126.60 to 127.60): V

8.83

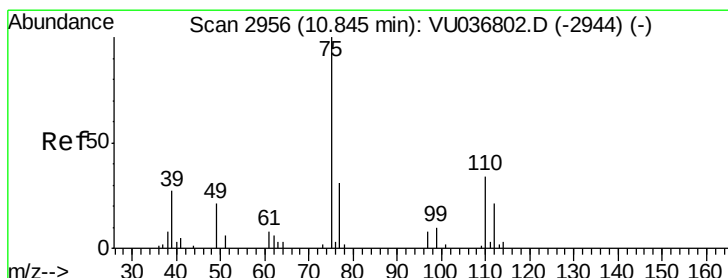
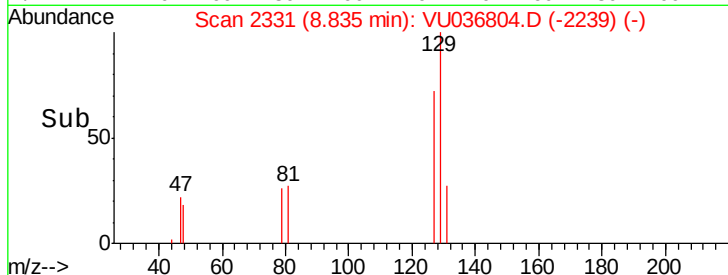
600

400

200

0

Time-->



#59

1,2,3-Trichloropropane

Concen: 1.098 ug/L

RT: 11.83 min Scan# 3263

Delta R.T. 0.99 min

Lab File: VU036804.D

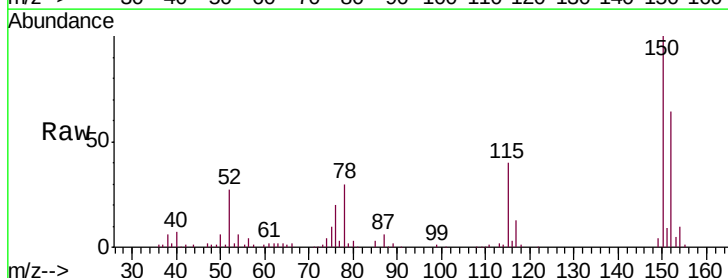
Acq: 17 Feb 2020 12:51

Tgt Ion: 75 Resp: 7111

Ion Ratio Lower Upper

75 100

77 36.3 25.6 38.4



Abundance Ion 75.00 (74.70 to 75.70): VU0

Ion 77.00 (76.70 to 77.70): VU0

11.83

5000

4000

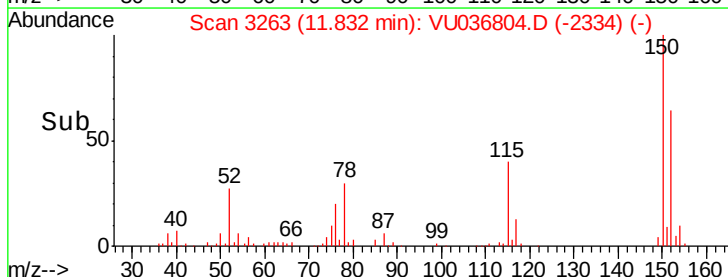
3000

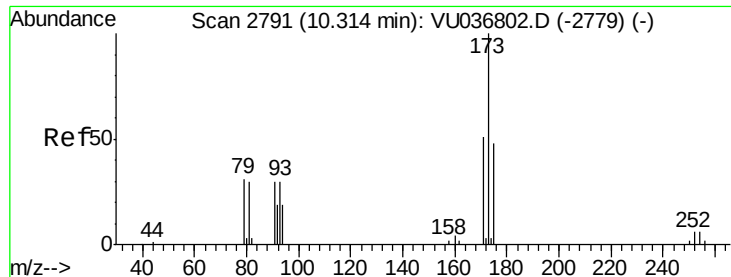
2000

1000

0

Time-->





#61  
 Bromoform  
 Concen: 0.146 ug/L  
 RT: 10.31 min Scan# 2791  
 Delta R.T. 0.00 min  
 Lab File: VU036804.D  
 Acq: 17 Feb 2020 12:51

Instrument :  
 MSVOA\_U  
 ClientSampleId :  
 DBD32

Tgt Ion:173 Resp: 462  
 Ion Ratio Lower Upper  
 173 100  
 175 42.9 39.9 59.9  
 254 0.0 4.6 6.8#

