

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\U121820\  
 Data File : VU041688.D  
 Acq On : 18 Dec 2020 18:59  
 Operator : SY/MD  
 Sample : L5142-10MSD  
 Misc : 25.0mL/MSVOA U/WATER  
 ALS Vial : 25 Sample Multiplier: 1

Instrument :  
 MSVOA\_U  
 ClientSampleId :  
 ETZB7MSD

Quant Time: Dec 19 09:01:32 2020  
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_U\METHOD\SOMUTR121220WMA.M  
 Quant Title : TRACE VOA SOM01.0  
 QLast Update : Sat Dec 19 04:12:21 2020  
 Response via : Initial Calibration

| Internal Standards         | R.T.  | QIon | Response | Conc | Units | Dev(Min) |
|----------------------------|-------|------|----------|------|-------|----------|
| 1) 1,4-Difluorobenzene     | 6.26  | 114  | 115597   | 5.00 | ug/L  | 0.00     |
| 28) Chlorobenzene-d5       | 9.42  | 117  | 110287   | 5.00 | ug/L  | 0.00     |
| 60) 1,4-Dichlorobenzene-d4 | 11.81 | 152  | 52061    | 5.00 | ug/L  | 0.00     |

## System Monitoring Compounds

|                                |        |       |          |          |      |         |
|--------------------------------|--------|-------|----------|----------|------|---------|
| 4) Vinyl Chloride-d3           | 1.60   | 65    | 33849    | 3.75     | ug/L | 0.00    |
| Spiked Amount                  | 5.000  | Range | 40 - 130 | Recovery | =    | 75.00%  |
| 7) Chloroethane-d5             | 1.92   | 69    | 32369    | 4.63     | ug/L | 0.00    |
| Spiked Amount                  | 5.000  | Range | 65 - 130 | Recovery | =    | 92.60%  |
| 11) 1,1-Dichloroethene-d2      | 2.58   | 63    | 73568    | 4.42     | ug/L | 0.00    |
| Spiked Amount                  | 5.000  | Range | 60 - 125 | Recovery | =    | 88.40%  |
| 20) 2-Butanone-d5              | 4.66   | 46    | 138363   | 53.30    | ug/L | 0.00    |
| Spiked Amount                  | 50.000 | Range | 40 - 130 | Recovery | =    | 106.60% |
| 24) Chloroform-d               | 5.08   | 84    | 71961    | 4.65     | ug/L | 0.00    |
| Spiked Amount                  | 5.000  | Range | 70 - 125 | Recovery | =    | 93.00%  |
| 26) 1,2-Dichloroethane-d4      | 5.72   | 65    | 43666    | 4.97     | ug/L | 0.00    |
| Spiked Amount                  | 5.000  | Range | 70 - 130 | Recovery | =    | 99.40%  |
| 32) Benzene-d6                 | 5.74   | 84    | 142819   | 4.52     | ug/L | 0.00    |
| Spiked Amount                  | 5.000  | Range | 70 - 125 | Recovery | =    | 90.40%  |
| 36) 1,2-Dichloropropane-d6     | 6.70   | 67    | 45507    | 4.60     | ug/L | 0.00    |
| Spiked Amount                  | 5.000  | Range | 60 - 140 | Recovery | =    | 92.00%  |
| 41) Toluene-d8                 | 7.90   | 98    | 128440   | 4.51     | ug/L | 0.00    |
| Spiked Amount                  | 5.000  | Range | 70 - 130 | Recovery | =    | 90.20%  |
| 43) trans-1,3-Dichloropropene- | 8.18   | 79    | 20372    | 4.58     | ug/L | 0.00    |
| Spiked Amount                  | 5.000  | Range | 55 - 130 | Recovery | =    | 91.60%  |
| 46) 2-Hexanone-d5              | 8.64   | 63    | 126459   | 51.96    | ug/L | 0.00    |
| Spiked Amount                  | 50.000 | Range | 45 - 130 | Recovery | =    | 103.92% |
| 57) 1,1,2,2-Tetrachloroethane- | 10.75  | 84    | 45902    | 5.10     | ug/L | 0.00    |
| Spiked Amount                  | 5.000  | Range | 65 - 120 | Recovery | =    | 102.00% |
| 64) 1,2-Dichlorobenzene-d4     | 12.19  | 152   | 45306    | 4.89     | ug/L | 0.00    |
| Spiked Amount                  | 5.000  | Range | 80 - 120 | Recovery | =    | 97.80%  |

## Target Compounds

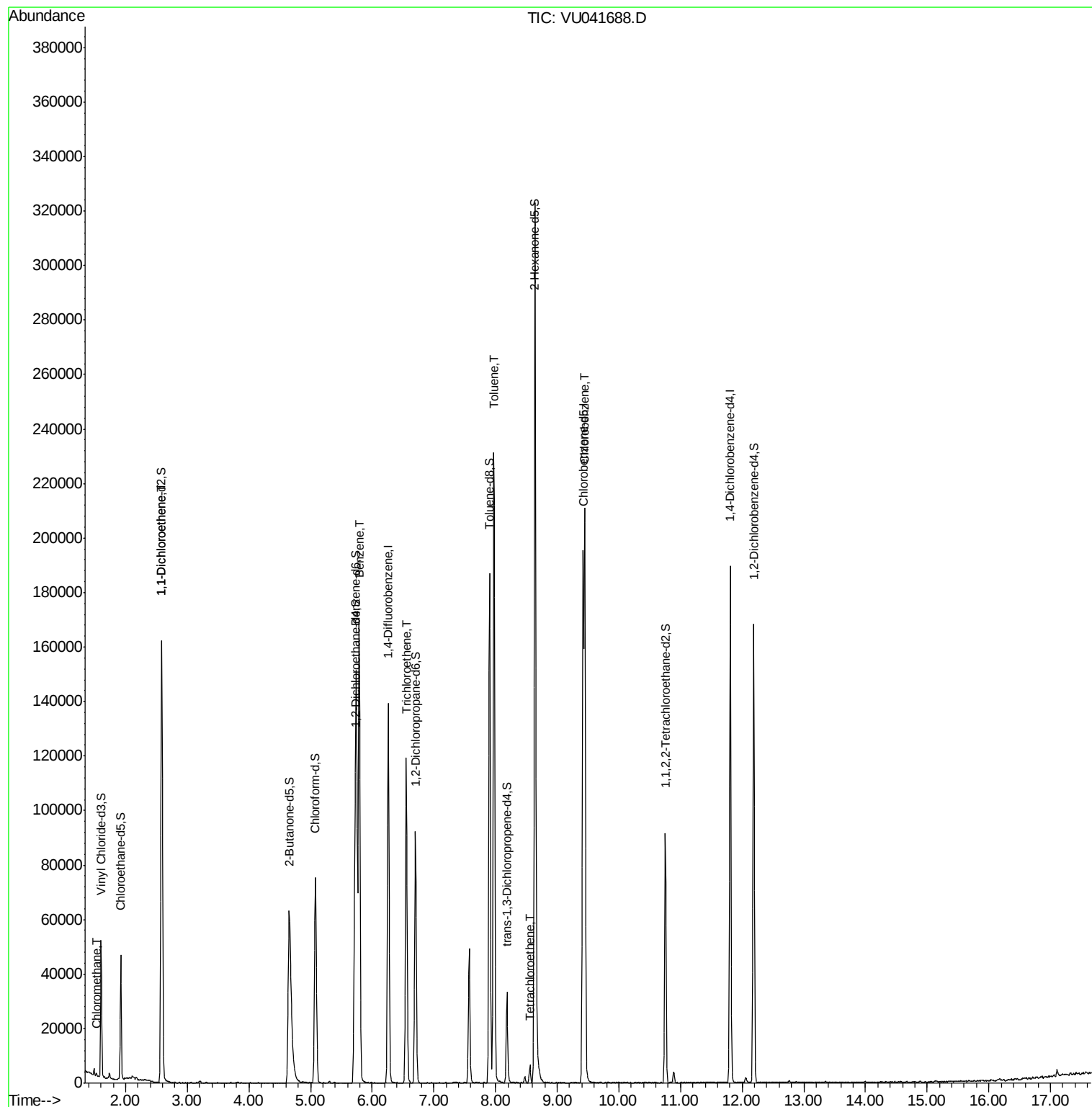
|                        |      |     |        |            | Ovalue |
|------------------------|------|-----|--------|------------|--------|
| 3) Chloromethane       | 1.53 | 50  | 1067   | 0.112 ug/L | 94     |
| 12) 1,1-Dichloroethene | 2.59 | 96  | 36686  | 4.678 ug/L | 94     |
| 33) Benzene            | 5.79 | 78  | 162201 | 4.599 ug/L | 100    |
| 34) Trichloroethene    | 6.55 | 95  | 40950  | 4.620 ug/L | 96     |
| 42) Toluene            | 7.97 | 91  | 175195 | 4.811 ug/L | 99     |
| 47) Tetrachloroethene  | 8.56 | 164 | 1515   | 0.244 ug/L | 94     |
| 51) Chlorobenzene      | 9.45 | 112 | 113383 | 5.009 ug/L | 96     |

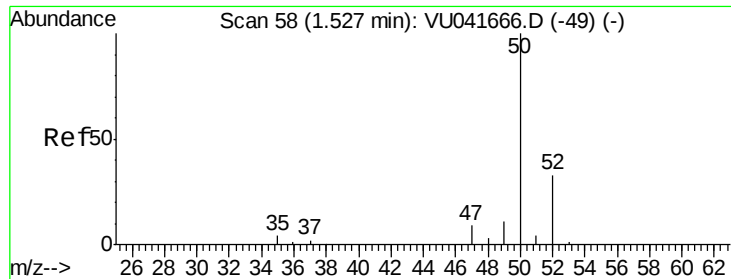
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA\_U\METHOD\SOMUTR121220WMA.M  
Quant Title : TRACE VOA SOM01.0  
QLast Update : Sat Dec 19 04:12:21 2020  
Response via : Initial Calibration





#3

Chloromethane

Concen: 0.112 ug/L

RT: 1.53 min Scan# 58

Delta R.T. -0.00 min

Lab File: VU041688.D

Acq: 18 Dec 2020 18:59

Instrument :

MSVOA\_U

ClientSampleId :

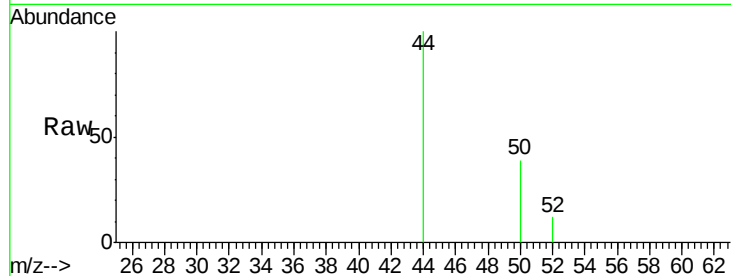
ETZB7MSD

Tot Ion: 50 Resp: 1067

Ion Ratio Lower Upper

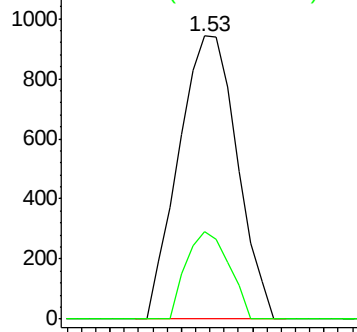
50 100

52 30.9 24.1 44.8

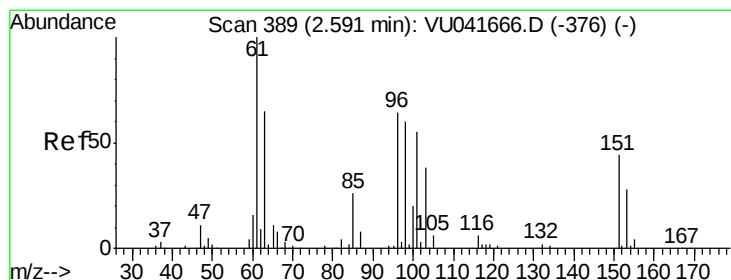
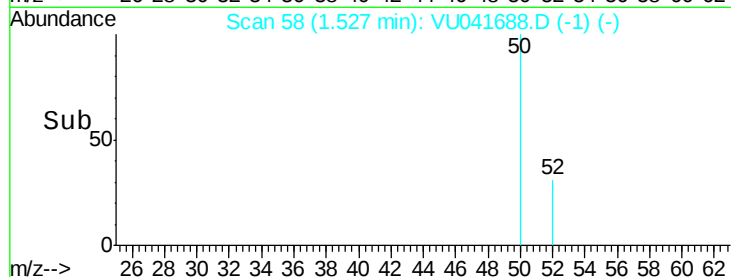


Abundance Ion 50.05 (49.75 to 50.75): VU0

Ion 52.05 (51.75 to 52.75): VU0



Time-->



#12

1,1-Dichloroethene

Concen: 4.678 ug/L

RT: 2.59 min Scan# 389

Delta R.T. -0.00 min

Lab File: VU041688.D

Acq: 18 Dec 2020 18:59

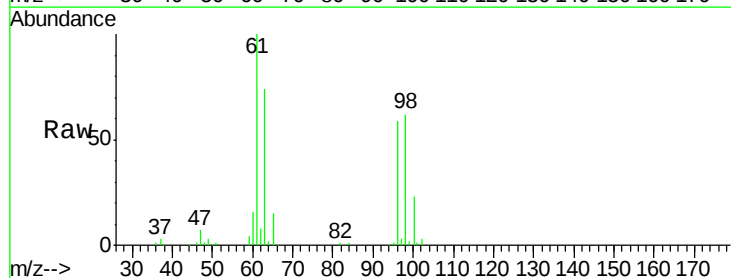
Tgt Ion: 96 Resp: 36686

Ion Ratio Lower Upper

96 100

61 170.9 123.8 230.0

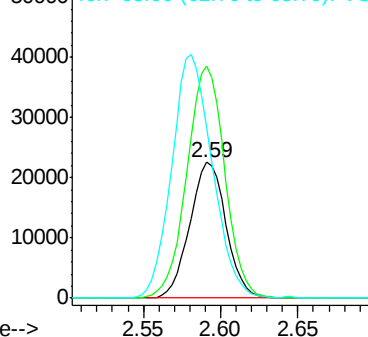
63 125.7 81.0 150.4



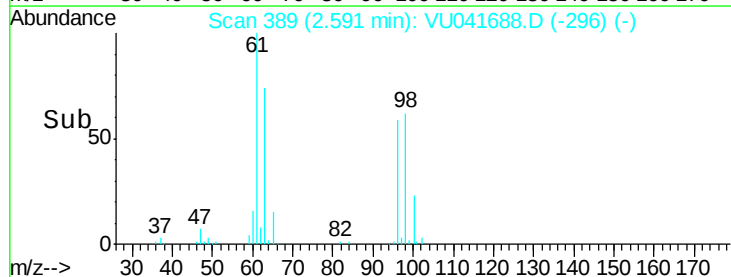
Abundance Ion 96.00 (95.70 to 96.70): VU0

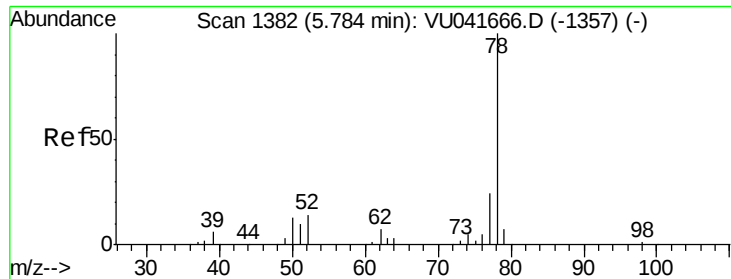
Ion 61.05 (60.75 to 61.75): VU0

Ion 63.00 (62.70 to 63.70): VU0



Time-->

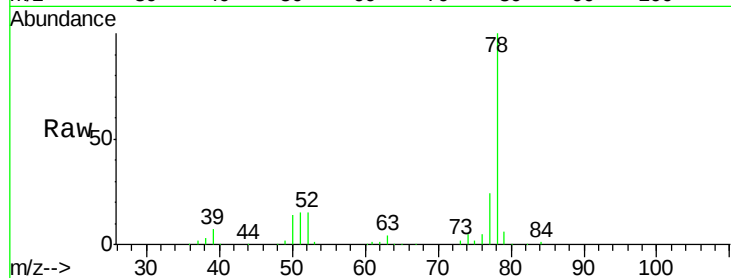




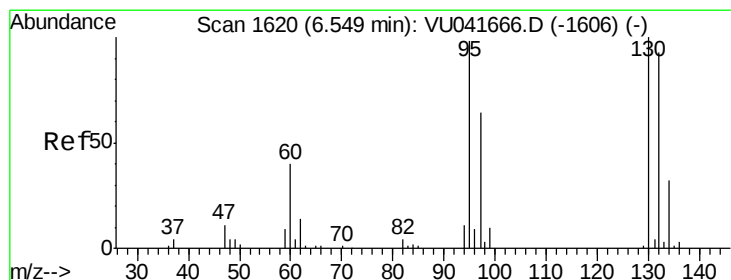
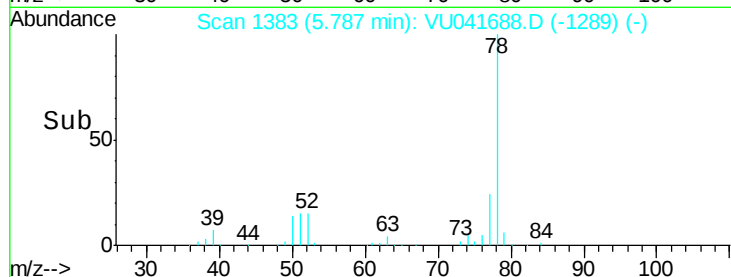
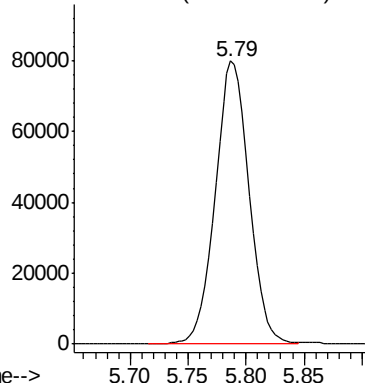
#33  
Benzene  
Concen: 4.599 ug/L  
RT: 5.79 min Scan# 1383  
Delta R.T. 0.00 min  
Lab File: VU041688.D  
Acq: 18 Dec 2020 18:59

Instrument :  
MSVOA\_U  
ClientSampleId :  
ETZB7MSD

Tgt Ion: 78 Resp: 162201



Abundance Ion 78.10 (77.80 to 78.80): VU0



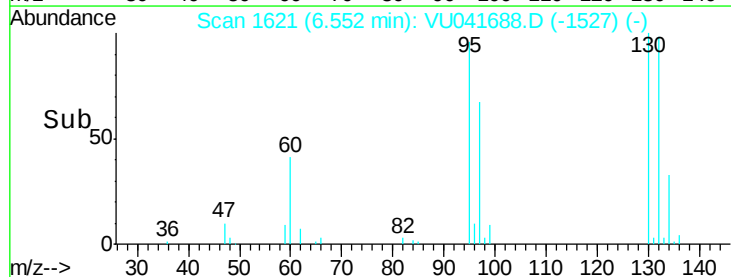
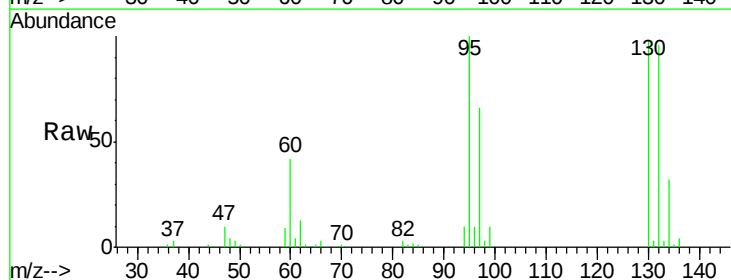
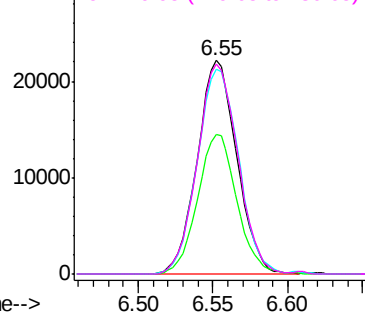
#34  
Trichloroethene  
Concen: 4.620 ug/L  
RT: 6.55 min Scan# 1621  
Delta R.T. 0.00 min  
Lab File: VU041688.D  
Acq: 18 Dec 2020 18:59

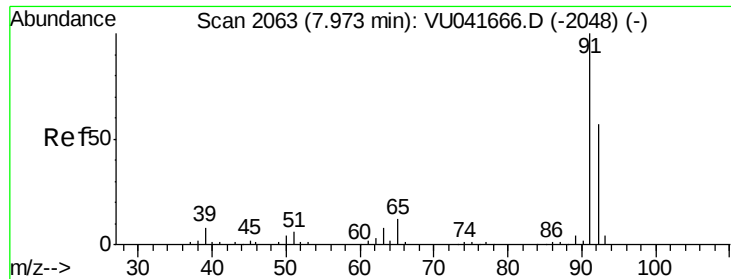
Tgt Ion: 95 Resp: 40950

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 95  | 100   |       |       |
| 97  | 65.6  | 43.9  | 81.5  |
| 132 | 96.0  | 63.1  | 117.3 |
| 130 | 98.1  | 67.4  | 125.2 |

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





#42

Toluene

Concen: 4.811 ug/L

RT: 7.97 min Scan# 2063

Delta R.T. -0.00 min

Lab File: VU041688.D

Acq: 18 Dec 2020 18:59

Instrument :

MSVOA\_U

ClientSampleId :

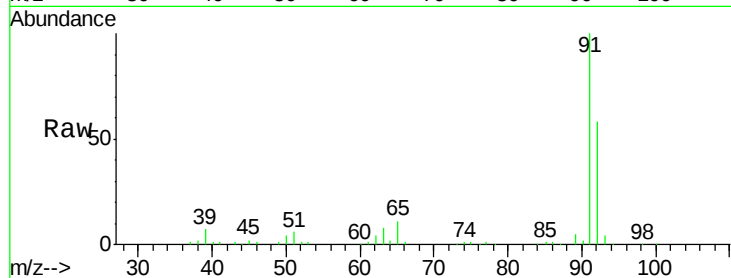
ETZB7MSD

Tot Ion: 91 Resp: 175195

Ion Ratio Lower Upper

91 100

92 57.6 40.0 74.2



Abundance Ion 91.15 (90.85 to 91.85): VU041688.D (-2151) (-)

Ion 92.15 (91.85 to 92.85): VU041688.D (-2151) (-)

7.97

100000

80000

60000

40000

20000

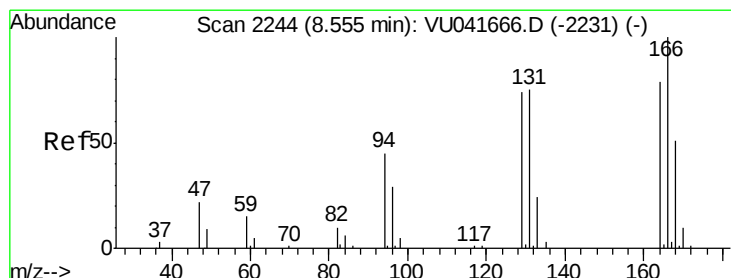
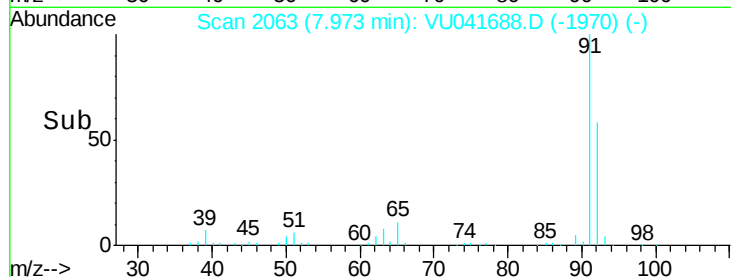
0

Time-->

7.90

8.00

8.10



#47

Tetrachloroethene

Concen: 0.244 ug/L

RT: 8.56 min Scan# 2244

Delta R.T. -0.00 min

Lab File: VU041688.D

Acq: 18 Dec 2020 18:59

Tgt Ion: 164 Resp: 1515

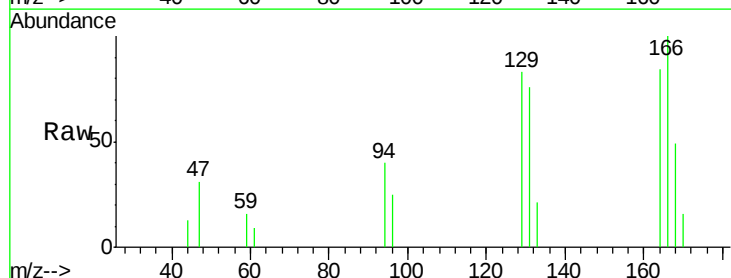
Ion Ratio Lower Upper

164 100

129 98.1 72.2 134.0

131 89.8 66.9 124.3

166 118.9 89.6 166.4



Abundance Ion 163.90 (163.60 to 164.60): VU041688.D (-2151) (-)

Ion 128.95 (128.65 to 129.65): VU041688.D (-2151) (-)

Ion 130.95 (130.65 to 131.65): VU041688.D (-2151) (-)

Ion 165.90 (165.60 to 166.60): VU041688.D (-2151) (-)

1500

1000

500

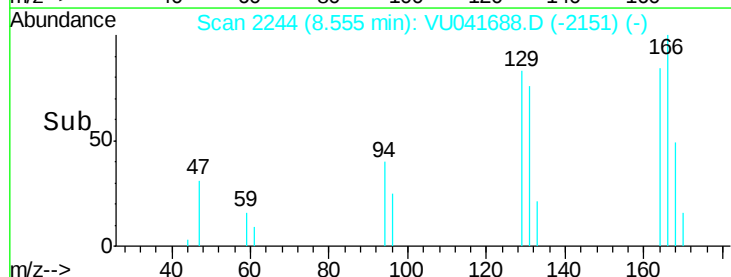
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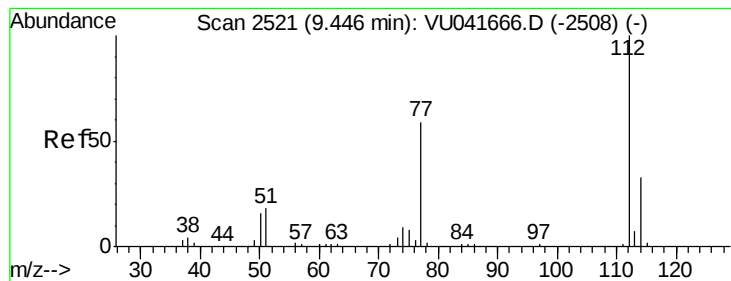
Time-->

8.50

8.55

8.60





#51

Chlorobenzene

Concen: 5.009 ug/L

RT: 9.45 min Scan# 2522

Delta R.T. 0.00 min

Lab File: VU041688.D

Acq: 18 Dec 2020 18:59

Instrument :

MSVOA\_U

ClientSampleId :

ETZB7MSD

Tot Ion:112 Resp: 113383

Ion Ratio Lower Upper

112 100

114 31.7 22.7 42.3

77 57.8 49.1 73.7

