

Data Path : Z:\VOASRV\HPCHEM1\MSVOA\_U\DATA\VU091420\  
 Data File : VU040112.D  
 Acq On : 14 Sep 2020 11:43  
 Operator : SY/MD  
 Sample : L3945-20  
 Misc : 25.0mL/MSVOA\_U/WATER  
 ALS Vial : 5 Sample Multiplier: 1

Instrument :  
 MSVOA\_U  
 ClientSampleId :  
 BFZQ2

Quant Time: Sep 14 12:22:02 2020  
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_U\METHOD\SOMUTR083120WMA.M  
 Quant Title : TRACE VOA SOM01.0  
 QLast Update : Mon Sep 14 11:41:20 2020  
 Response via : Initial Calibration

| Internal Standards         | R.T.  | QIon | Response | Conc | Units | Dev(Min) |
|----------------------------|-------|------|----------|------|-------|----------|
| 1) 1,4-Difluorobenzene     | 6.26  | 114  | 138283   | 5.00 | ug/L  | 0.00     |
| 28) Chlorobenzene-d5       | 9.42  | 117  | 139515   | 5.00 | ug/L  | 0.00     |
| 60) 1,4-Dichlorobenzene-d4 | 11.81 | 152  | 63403    | 5.00 | ug/L  | 0.00     |

## System Monitoring Compounds

|                                |        |       |          |          |      |         |
|--------------------------------|--------|-------|----------|----------|------|---------|
| 4) Vinyl Chloride-d3           | 1.60   | 65    | 38379    | 5.08     | ug/L | 0.00    |
| Spiked Amount                  | 5.000  | Range | 40 - 130 | Recovery | =    | 101.60% |
| 7) Chloroethane-d5             | 1.92   | 69    | 32064    | 5.10     | ug/L | 0.00    |
| Spiked Amount                  | 5.000  | Range | 65 - 130 | Recovery | =    | 102.00% |
| 11) 1,1-Dichloroethene-d2      | 2.58   | 63    | 61837    | 3.19     | ug/L | 0.00    |
| Spiked Amount                  | 5.000  | Range | 60 - 125 | Recovery | =    | 63.80%  |
| 20) 2-Butanone-d5              | 4.66   | 46    | 129879   | 43.01    | ug/L | 0.00    |
| Spiked Amount                  | 50.000 | Range | 40 - 130 | Recovery | =    | 86.02%  |
| 24) Chloroform-d               | 5.08   | 84    | 75222    | 4.26     | ug/L | 0.00    |
| Spiked Amount                  | 5.000  | Range | 70 - 125 | Recovery | =    | 85.20%  |
| 26) 1,2-Dichloroethane-d4      | 5.72   | 65    | 46827    | 4.30     | ug/L | 0.00    |
| Spiked Amount                  | 5.000  | Range | 70 - 130 | Recovery | =    | 86.00%  |
| 32) Benzene-d6                 | 5.74   | 84    | 142017   | 4.36     | ug/L | 0.00    |
| Spiked Amount                  | 5.000  | Range | 70 - 125 | Recovery | =    | 87.20%  |
| 36) 1,2-Dichloropropane-d6     | 6.70   | 67    | 43886    | 4.09     | ug/L | 0.00    |
| Spiked Amount                  | 5.000  | Range | 60 - 140 | Recovery | =    | 81.80%  |
| 41) Toluene-d8                 | 7.90   | 98    | 118420   | 4.02     | ug/L | 0.00    |
| Spiked Amount                  | 5.000  | Range | 70 - 130 | Recovery | =    | 80.40%  |
| 43) trans-1,3-Dichloropropene- | 8.19   | 79    | 19276    | 3.91     | ug/L | 0.00    |
| Spiked Amount                  | 5.000  | Range | 55 - 130 | Recovery | =    | 78.20%  |
| 46) 2-Hexanone-d5              | 8.64   | 63    | 95041    | 40.68    | ug/L | 0.00    |
| Spiked Amount                  | 50.000 | Range | 45 - 130 | Recovery | =    | 81.36%  |
| 57) 1,1,2,2-Tetrachloroethane- | 10.75  | 84    | 38493    | 4.15     | ug/L | 0.00    |
| Spiked Amount                  | 5.000  | Range | 65 - 120 | Recovery | =    | 83.00%  |
| 64) 1,2-Dichlorobenzene-d4     | 12.19  | 152   | 46322    | 4.51     | ug/L | 0.00    |
| Spiked Amount                  | 5.000  | Range | 80 - 120 | Recovery | =    | 90.20%  |

## Target Compounds

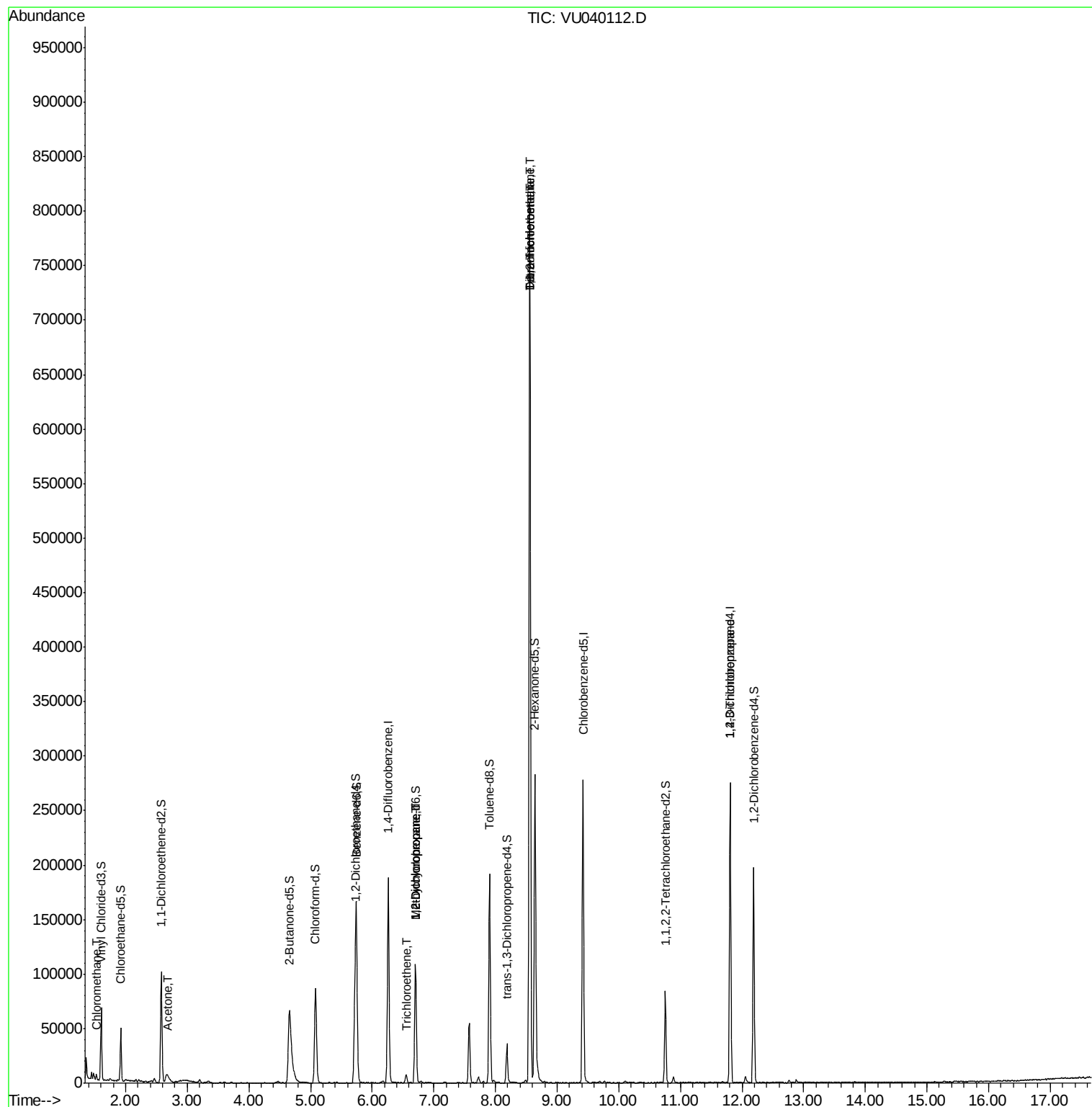
|                            |       |     |        |               | Qvalue |
|----------------------------|-------|-----|--------|---------------|--------|
| 3) Chloromethane           | 1.53  | 50  | 3543   | 0.270 ug/L    | 89     |
| 13) Acetone                | 2.68  | 43  | 18535  | 6.630 ug/L    | 74     |
| 34) Trichloroethene        | 6.55  | 95  | 2190   | 0.164 ug/L    | 92     |
| 35) Methylcyclohexane      | 6.70  | 83  | 10766  | 0.525 ug/L #  | 14     |
| 37) 1,2-Dichloropropane    | 6.70  | 63  | 5700   | 0.422 ug/L #  | 88     |
| 45) 1,1,2-Trichloroethane  | 8.56  | 97  | 1592   | 0.162 ug/L #  | 22     |
| 47) Tetrachloroethene      | 8.56  | 164 | 151298 | 17.204 ug/L   | 94     |
| 49) Dibromochloromethane   | 8.56  | 129 | 159212 | 13.473 ug/L # | 11     |
| 59) 1,2,3-Trichloropropane | 11.81 | 75  | 10756  | 1.074 ug/L    | 97     |

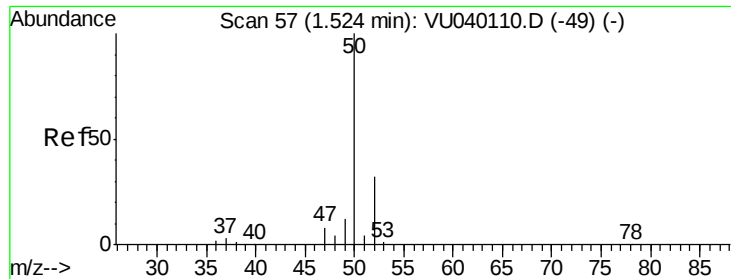
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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QLast Update : Mon Sep 14 11:41:20 2020  
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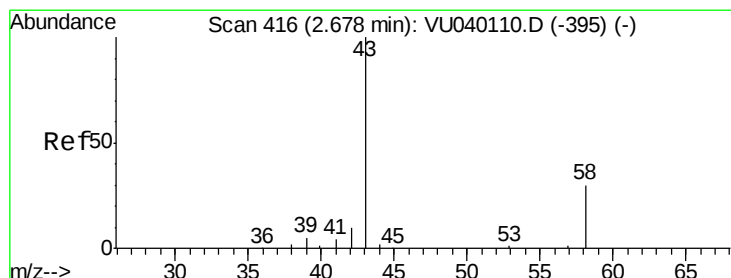
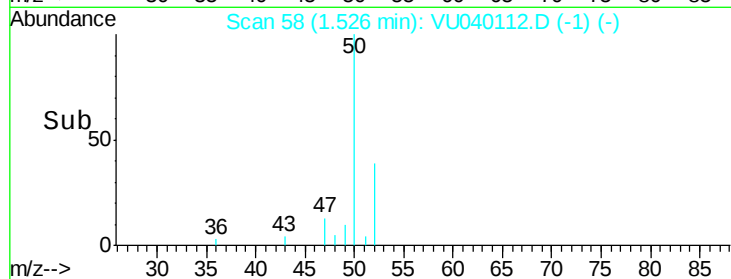
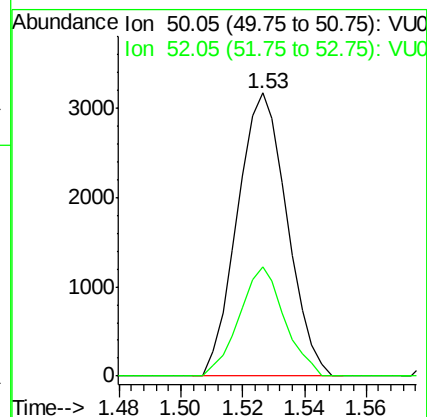
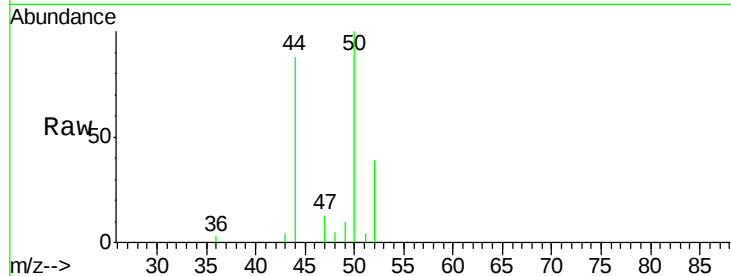




#3  
Chloromethane  
Concen: 0.270 ug/L  
RT: 1.53 min Scan# 58  
Delta R.T. 0.00 min  
Lab File: VU040112.D  
Acq: 14 Sep 2020 11:43

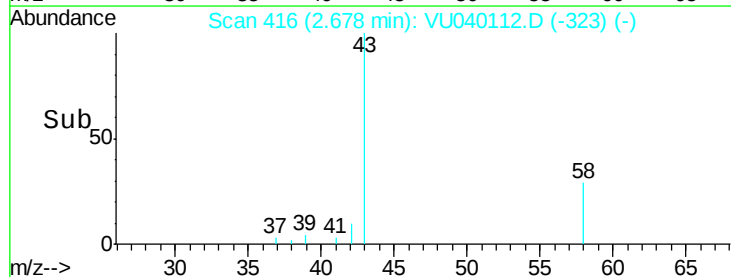
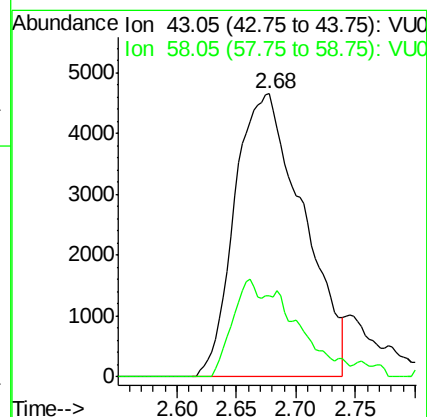
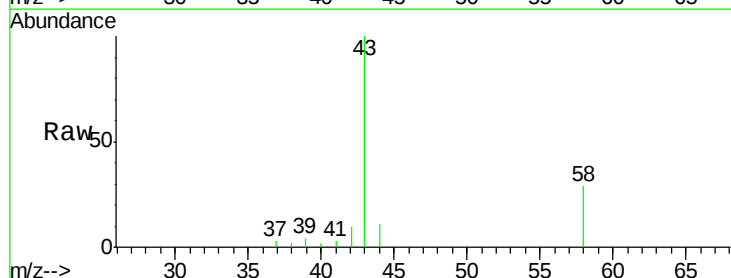
Instrument :  
MSVOA\_U  
ClientSampleId :  
BFZQ2

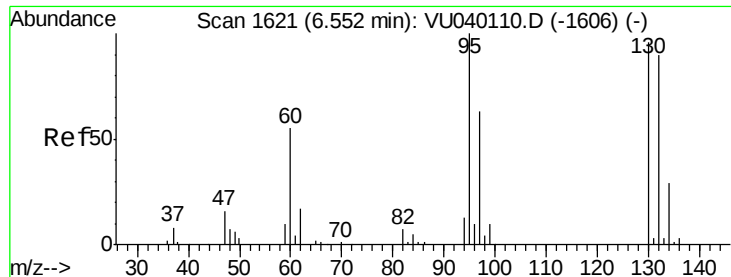
Tgt Ion: 50 Resp: 3543  
Ion Ratio Lower Upper  
50 100  
52 38.8 22.8 42.4



#13  
Acetone  
Concen: 6.630 ug/L  
RT: 2.68 min Scan# 416  
Delta R.T. -0.00 min  
Lab File: VU040112.D  
Acq: 14 Sep 2020 11:43

Tgt Ion: 43 Resp: 18535  
Ion Ratio Lower Upper  
43 100  
58 13.9 0.0 55.4

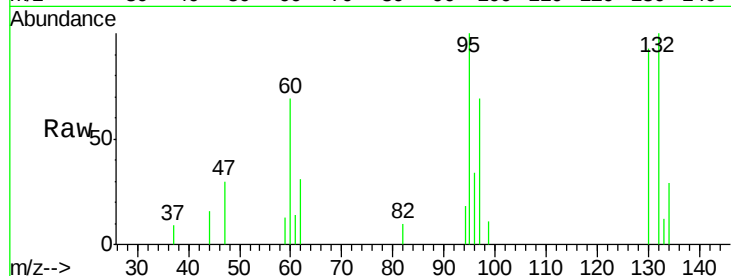




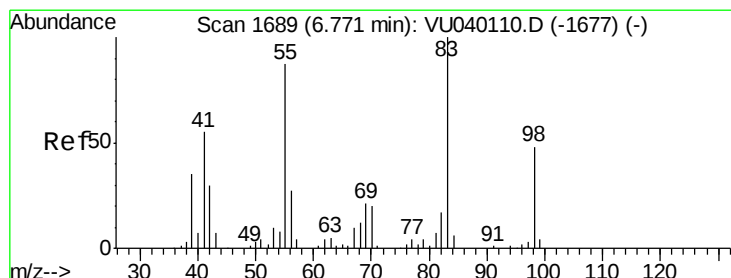
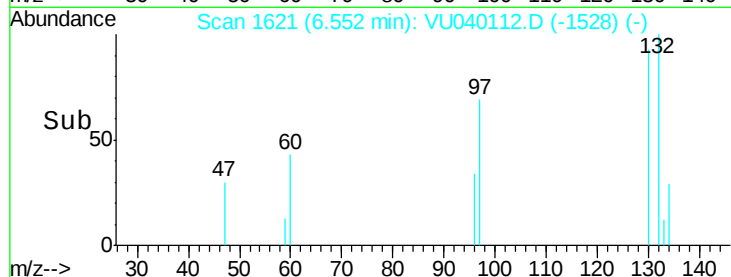
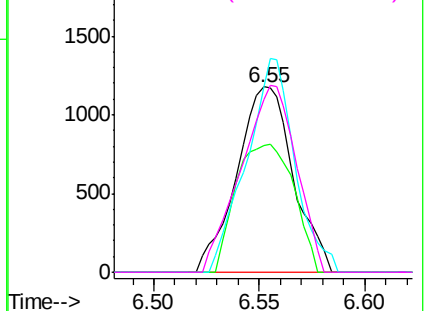
#34  
 Trichloroethene  
 Concen: 0.164 ug/L  
 RT: 6.55 min Scan# 1621  
 Delta R.T. -0.00 min  
 Lab File: VU040112.D  
 Acq: 14 Sep 2020 11:43

Instrument :  
 MSVOA\_U  
 ClientSampleId :  
 BFZQ2

Tgt Ion: 95 Resp: 2190  
 Ion Ratio Lower Upper  
 95 100  
 97 68.7 43.3 80.5  
 132 100.0 59.4 110.4  
 130 93.2 64.8 120.4

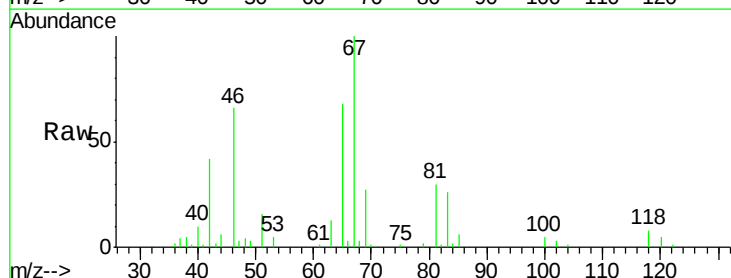


Abundance Ion 95.00 (94.70 to 95.70): VU0  
 Ion 96.95 (96.65 to 97.65): VU0  
 Ion 131.95 (131.65 to 132.65): V  
 Ion 129.95 (129.65 to 130.65): V

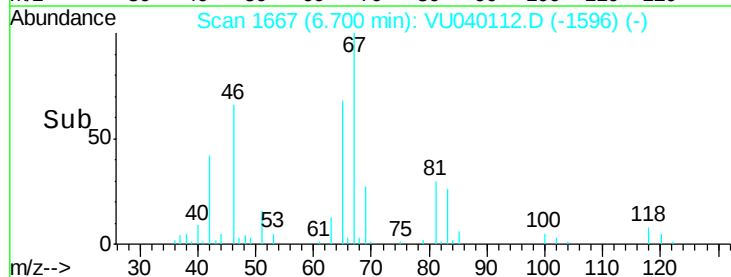
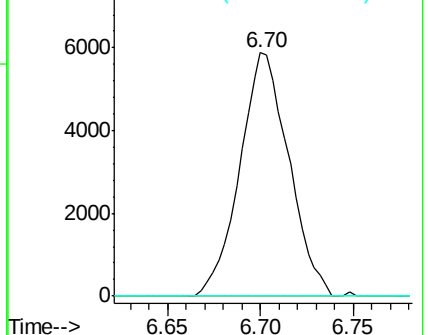


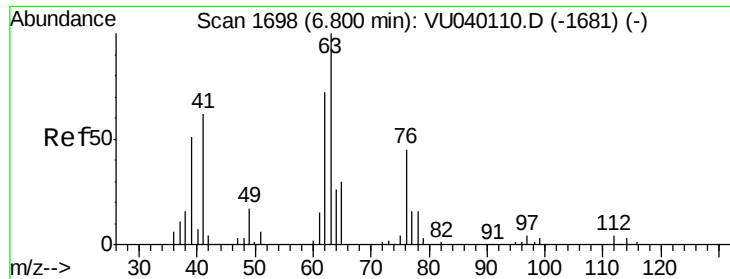
#35  
 Methylcyclohexane  
 Concen: 0.525 ug/L  
 RT: 6.70 min Scan# 1667  
 Delta R.T. -0.07 min  
 Lab File: VU040112.D  
 Acq: 14 Sep 2020 11:43

Tgt Ion: 83 Resp: 10766  
 Ion Ratio Lower Upper  
 83 100  
 55 0.0 70.5 105.7#  
 98 0.6 37.8 56.6#



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

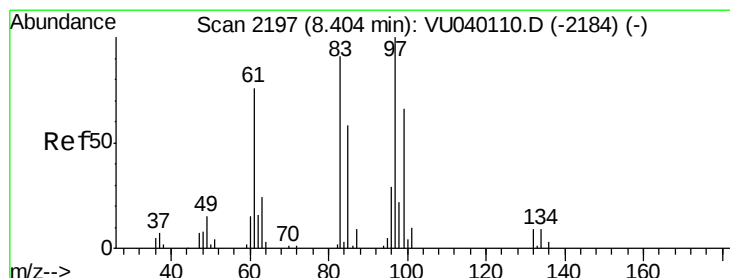
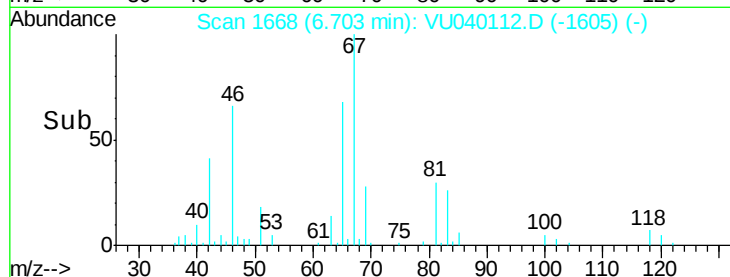
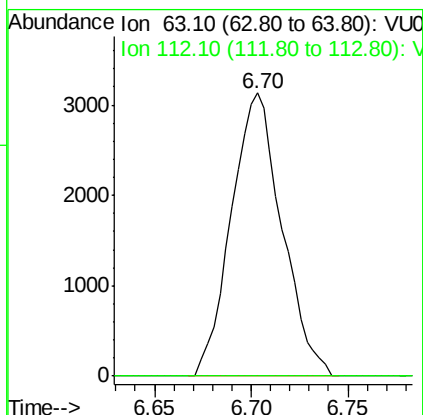
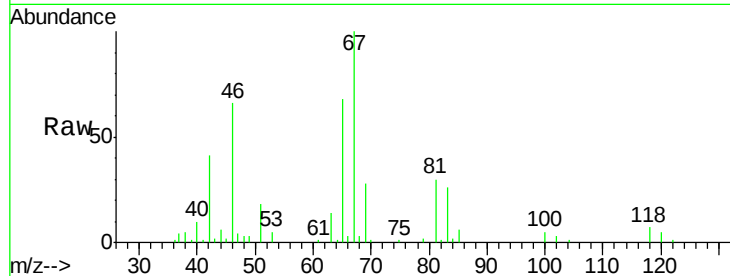




#37  
 1,2-Dichloropropane  
 Concen: 0.422 ug/L  
 RT: 6.70 min Scan# 1668  
 Delta R.T. -0.10 min  
 Lab File: VU040112.D  
 Acq: 14 Sep 2020 11:43

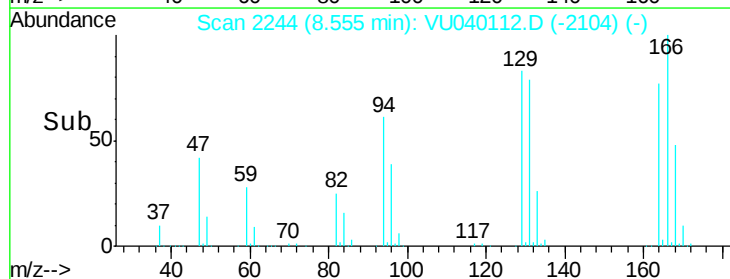
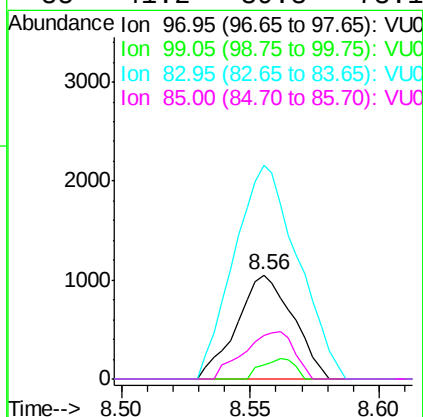
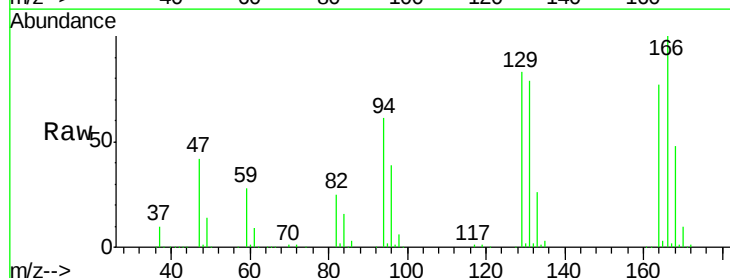
Instrument :  
 MSVOA\_U  
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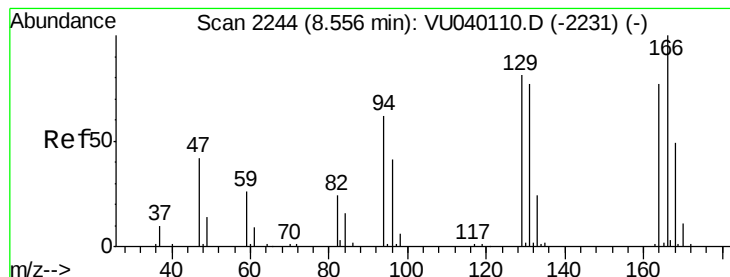
Tgt Ion: 63 Resp: 5700  
 Ion Ratio Lower Upper  
 63 100  
 112 0.0 3.2 4.8#



#45  
 1,1,2-Trichloroethane  
 Concen: 0.162 ug/L  
 RT: 8.56 min Scan# 2244  
 Delta R.T. 0.15 min  
 Lab File: VU040112.D  
 Acq: 14 Sep 2020 11:43

Tgt Ion: 97 Resp: 1592  
 Ion Ratio Lower Upper  
 97 100  
 99 13.0 43.0 79.8#  
 83 204.7 61.7 114.7#  
 85 41.2 39.3 73.1





#47

Tetrachloroethene

Concen: 17.204 ug/L

RT: 8.56 min Scan# 2245

Delta R.T. 0.00 min

Lab File: VU040112.D

Acq: 14 Sep 2020 11:43

Instrument :

MSVOA\_U

ClientSampleId :

BFZQ2

Tgt Ion:164 Resp: 151298

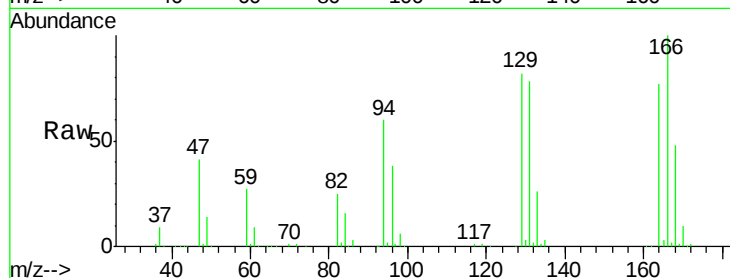
Ion Ratio Lower Upper

164 100

129 107.2 71.5 132.7

131 101.4 65.9 122.5

166 130.1 87.3 162.1

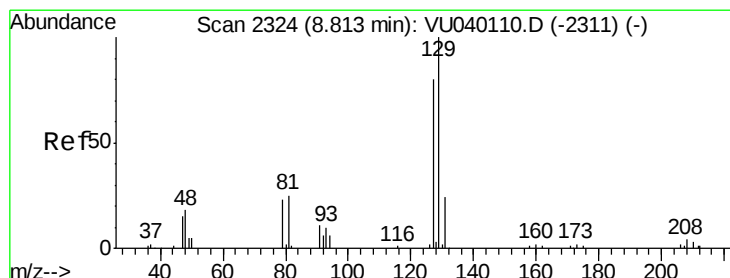
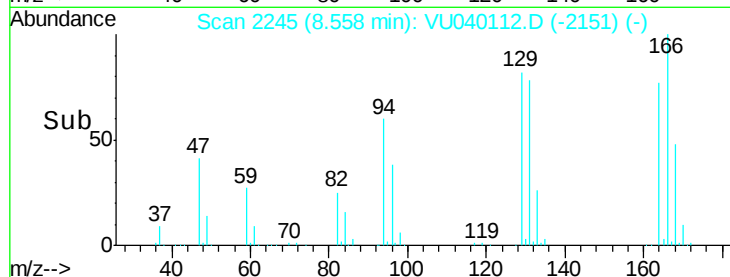
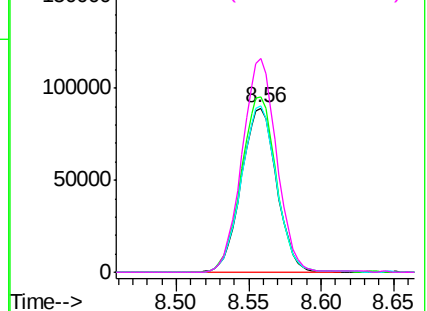


Abundance Ion 163.90 (163.60 to 164.60): V

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: 13.473 ug/L

RT: 8.56 min Scan# 2245

Delta R.T. -0.25 min

Lab File: VU040112.D

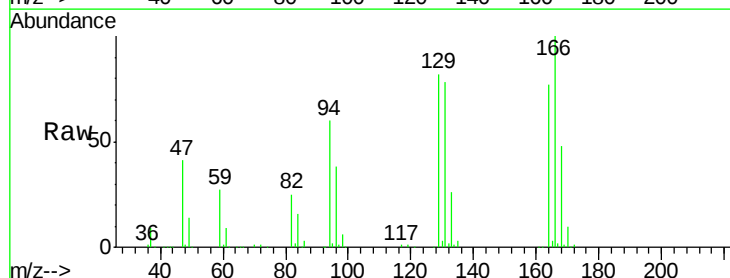
Acq: 14 Sep 2020 11:43

Tgt Ion:129 Resp: 159212

Ion Ratio Lower Upper

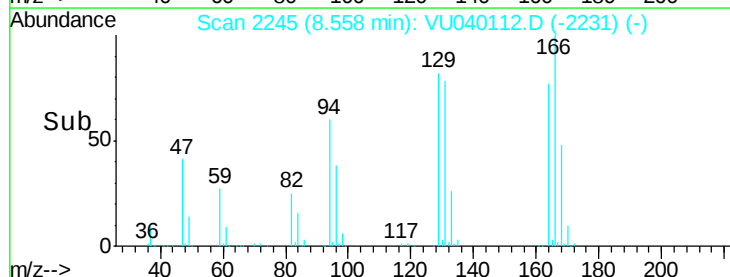
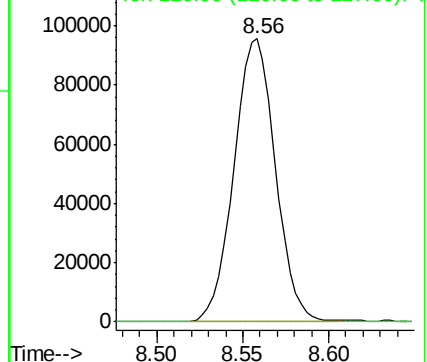
129 100

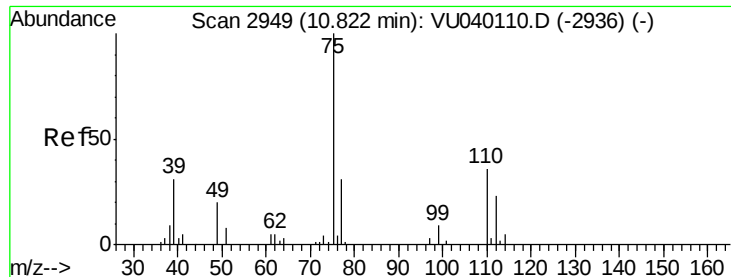
127 0.2 53.7 99.7#



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: 1.074 ug/L

RT: 11.81 min Scan# 3256

Delta R.T. 0.99 min

Lab File: VU040112.D

Acq: 14 Sep 2020 11:43

Instrument :

MSVOA\_U

ClientSampleId :

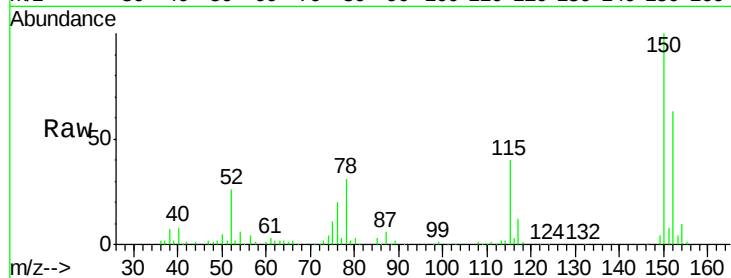
BFZQ2

Tgt Ion: 75 Resp: 10756

Ion Ratio Lower Upper

75 100

77 32.8 24.9 37.3



Abundance Ion 75.00 (74.70 to 75.70): VU0

Ion 77.00 (76.70 to 77.70): VU0

