

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\U122920\  
 Data File : VU041831.D  
 Acq On : 29 Dec 2020 12:09  
 Operator : SY/MD  
 Sample : L5204-01  
 Misc : 25.0mL/MSVOA U/WATER  
 ALS Vial : 5 Sample Multiplier: 1

Instrument :  
 MSVOA\_U  
 ClientSampleId :  
 C0AL5

Quant Time: Dec 30 03:16:08 2020  
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_U\METHOD\SOMUTR121220WMA.M  
 Quant Title : TRACE VOA SOM01.0  
 QLast Update : Wed Dec 30 01:48:43 2020  
 Response via : Initial Calibration

| Internal Standards         | R.T.  | QIon | Response | Conc | Units | Dev(Min) |
|----------------------------|-------|------|----------|------|-------|----------|
| 1) 1,4-Difluorobenzene     | 6.26  | 114  | 146700   | 5.00 | ug/L  | 0.00     |
| 28) Chlorobenzene-d5       | 9.42  | 117  | 144216   | 5.00 | ug/L  | 0.00     |
| 60) 1,4-Dichlorobenzene-d4 | 11.81 | 152  | 63841    | 5.00 | ug/L  | 0.00     |

## System Monitoring Compounds

|                                |        |       |          |          |      |         |
|--------------------------------|--------|-------|----------|----------|------|---------|
| 4) Vinyl Chloride-d3           | 1.60   | 65    | 56081    | 4.89     | ug/L | 0.00    |
| Spiked Amount                  | 5.000  | Range | 40 - 130 | Recovery | =    | 97.80%  |
| 7) Chloroethane-d5             | 1.92   | 69    | 54779    | 6.17     | ug/L | 0.00    |
| Spiked Amount                  | 5.000  | Range | 65 - 130 | Recovery | =    | 123.40% |
| 11) 1,1-Dichloroethene-d2      | 2.57   | 63    | 79987    | 3.79     | ug/L | 0.00    |
| Spiked Amount                  | 5.000  | Range | 60 - 125 | Recovery | =    | 75.80%  |
| 20) 2-Butanone-d5              | 4.65   | 46    | 142559   | 43.27    | ug/L | 0.00    |
| Spiked Amount                  | 50.000 | Range | 40 - 130 | Recovery | =    | 86.54%  |
| 24) Chloroform-d               | 5.08   | 84    | 98378    | 5.01     | ug/L | 0.00    |
| Spiked Amount                  | 5.000  | Range | 70 - 125 | Recovery | =    | 100.20% |
| 26) 1,2-Dichloroethane-d4      | 5.71   | 65    | 52650    | 4.72     | ug/L | 0.00    |
| Spiked Amount                  | 5.000  | Range | 70 - 130 | Recovery | =    | 94.40%  |
| 32) Benzene-d6                 | 5.74   | 84    | 195593   | 4.74     | ug/L | 0.00    |
| Spiked Amount                  | 5.000  | Range | 70 - 125 | Recovery | =    | 94.80%  |
| 36) 1,2-Dichloropropane-d6     | 6.70   | 67    | 60037    | 4.64     | ug/L | 0.00    |
| Spiked Amount                  | 5.000  | Range | 60 - 140 | Recovery | =    | 92.80%  |
| 41) Toluene-d8                 | 7.90   | 98    | 171856   | 4.61     | ug/L | 0.00    |
| Spiked Amount                  | 5.000  | Range | 70 - 130 | Recovery | =    | 92.20%  |
| 43) trans-1,3-Dichloropropene- | 8.19   | 79    | 25095    | 4.31     | ug/L | 0.00    |
| Spiked Amount                  | 5.000  | Range | 55 - 130 | Recovery | =    | 86.20%  |
| 46) 2-Hexanone-d5              | 8.64   | 63    | 129921   | 40.82    | ug/L | 0.00    |
| Spiked Amount                  | 50.000 | Range | 45 - 130 | Recovery | =    | 81.64%  |
| 57) 1,1,2,2-Tetrachloroethane- | 10.75  | 84    | 53757    | 4.57     | ug/L | 0.00    |
| Spiked Amount                  | 5.000  | Range | 65 - 120 | Recovery | =    | 91.40%  |
| 64) 1,2-Dichlorobenzene-d4     | 12.19  | 152   | 61302    | 5.40     | ug/L | 0.00    |
| Spiked Amount                  | 5.000  | Range | 80 - 120 | Recovery | =    | 108.00% |

## Target Compounds

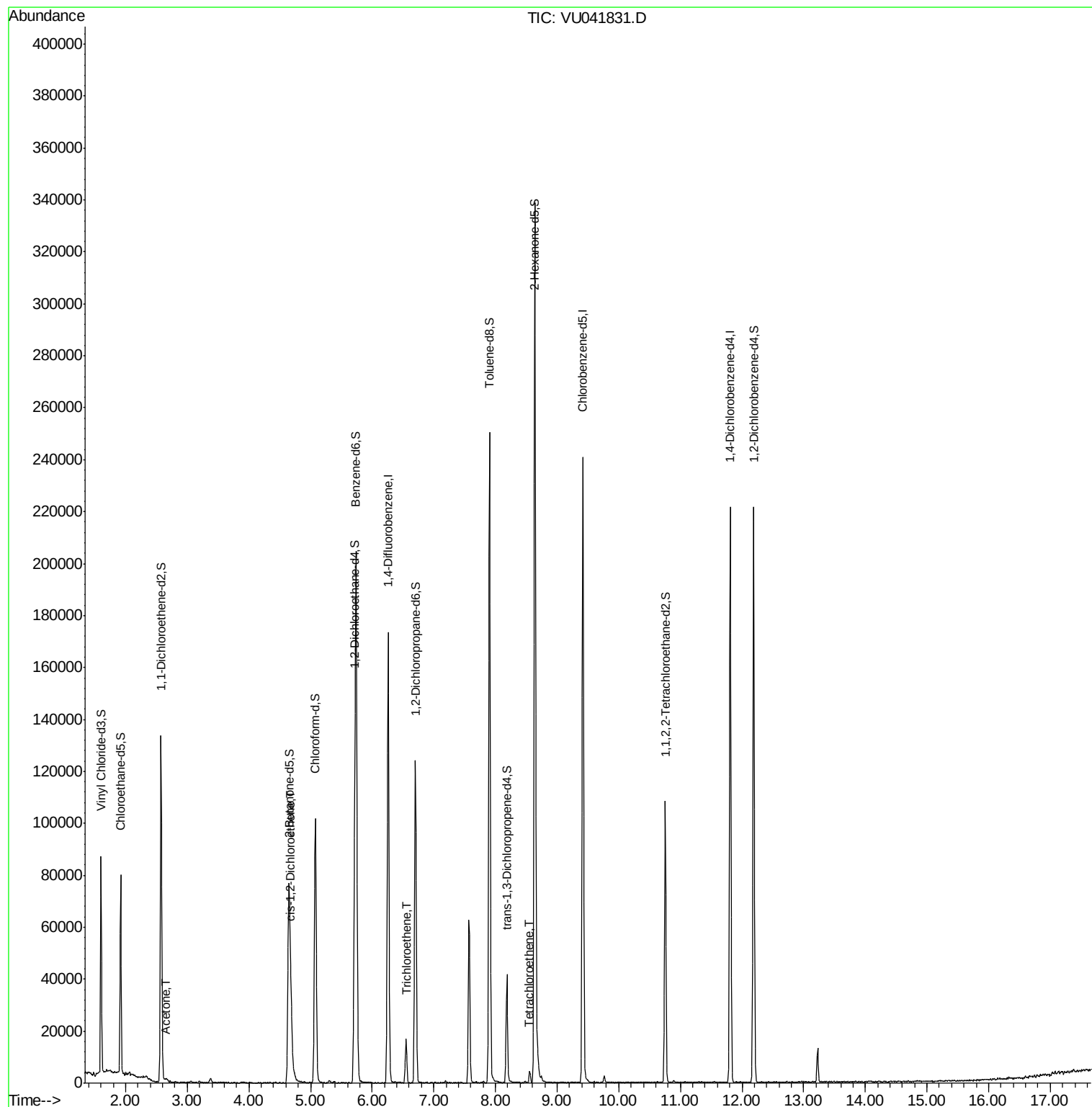
|                            |      |     |      |              | Ovalue |
|----------------------------|------|-----|------|--------------|--------|
| 13) Acetone                | 2.66 | 43  | 2069 | 0.987 ug/L   | 66     |
| 22) cis-1,2-Dichloroethene | 4.69 | 96  | 5430 | 0.477 ug/L   | 88     |
| 34) Trichloroethene        | 6.55 | 95  | 5261 | 0.454 ug/L # | 89     |
| 47) Tetrachloroethene      | 8.55 | 164 | 1138 | 0.140 ug/L   | 93     |

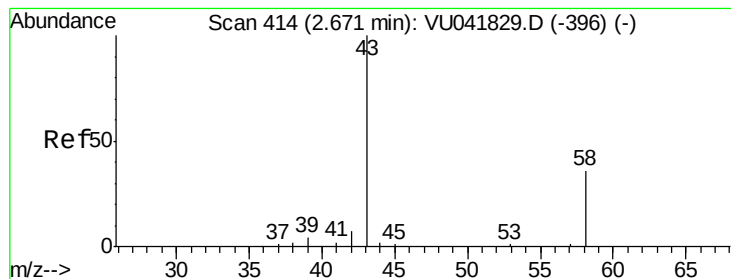
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : TRACE VOA SOM01.0  
QLast Update : Wed Dec 30 01:48:43 2020  
Response via : Initial Calibration





#13

Acetone

Concen: 0.987 ug/L

RT: 2.66 min Scan# 410

Delta R.T. -0.01 min

Lab File: VU041831.D

Acq: 29 Dec 2020 12:09

Instrument :

MSVOA\_U

ClientSampleId :

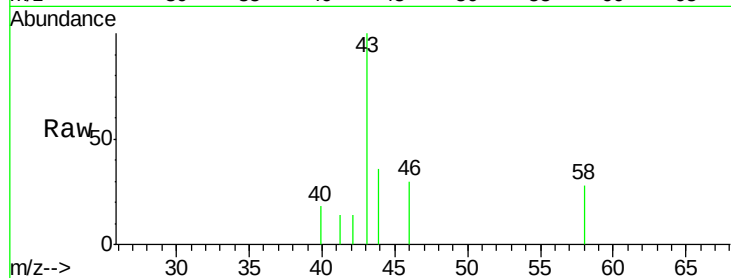
C0AL5

Tot Ion: 43 Resp: 2069

Ion Ratio Lower Upper

43 100

58 16.5 0.0 73.2



Abundance Ion 43.05 (42.75 to 43.75): VU0

Ion 58.05 (57.75 to 58.75): VU0

2.66

800

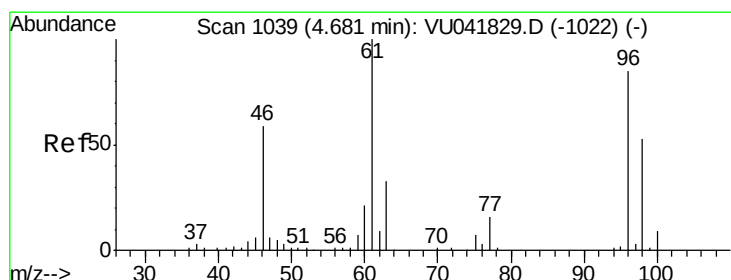
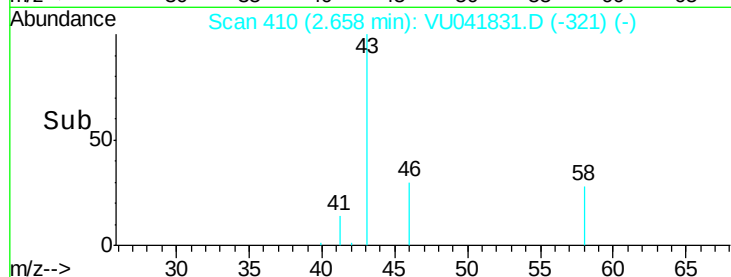
600

400

200

0

Time-->



#22

cis-1,2-Dichloroethene

Concen: 0.477 ug/L

RT: 4.69 min Scan# 1041

Delta R.T. 0.01 min

Lab File: VU041831.D

Acq: 29 Dec 2020 12:09

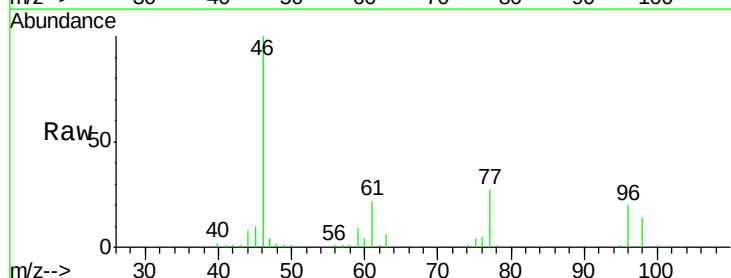
Tgt Ion: 96 Resp: 5430

Ion Ratio Lower Upper

96 100

61 113.0 88.8 165.0

68 0.0 0.0 0.0



Abundance Ion 96.00 (95.70 to 96.70): VU0

Ion 61.05 (60.75 to 61.75): VU0

Ion 68.15 (67.85 to 68.85): VU0

4000

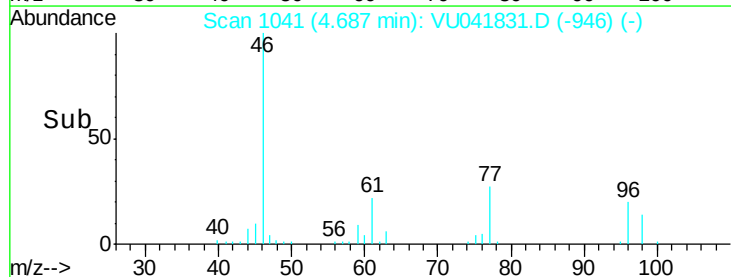
3000

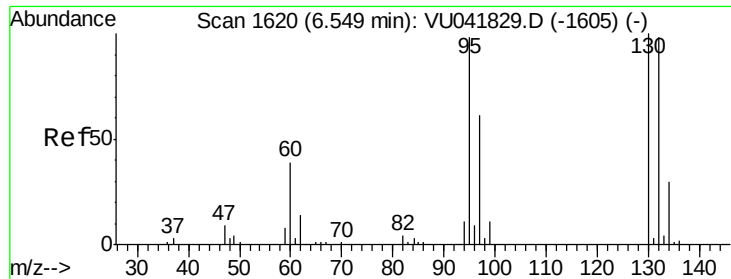
2000

1000

0

Time-->

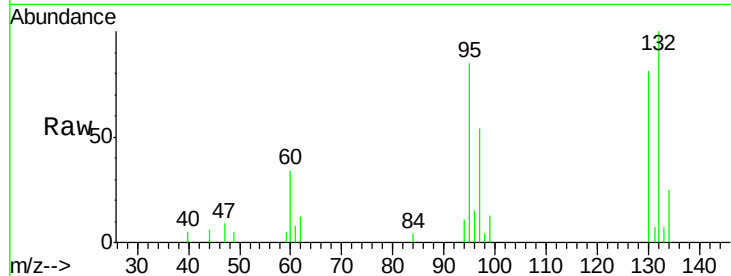




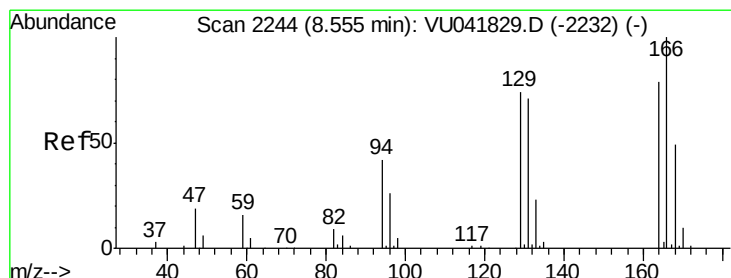
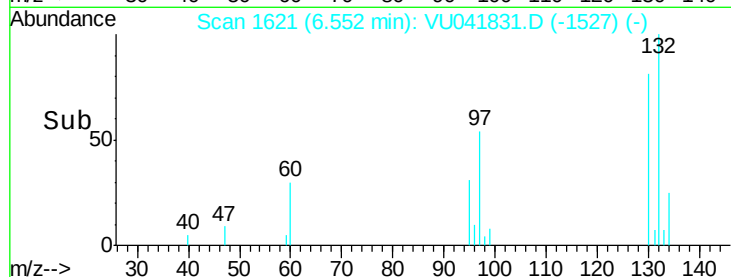
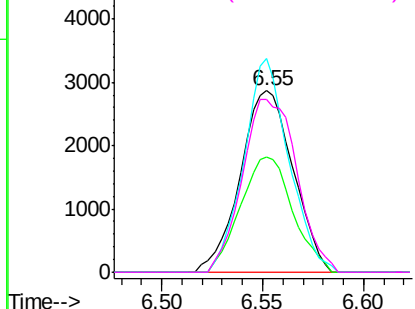
#34  
 Trichloroethene  
 Concen: 0.454 ug/L  
 RT: 6.55 min Scan# 1621  
 Delta R.T. 0.00 min  
 Lab File: VU041831.D  
 Acq: 29 Dec 2020 12:09

Instrument :  
 MSVOA\_U  
 ClientSampleId :  
 C0AL5

Tot Ion: 95 Resp: 5261  
 Ion Ratio Lower Upper  
 95 100  
 97 63.6 43.9 81.5  
 132 117.6 63.1 117.3#  
 130 94.9 67.4 125.2

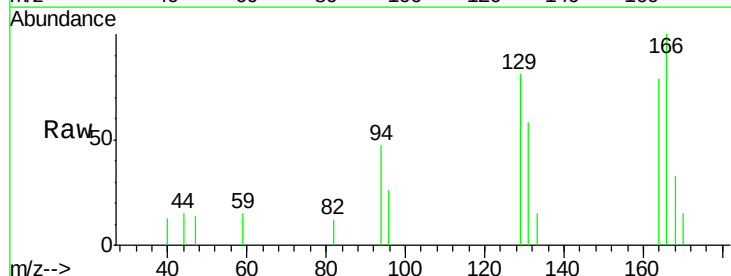


Abundance Ion 95.00 (94.70 to 95.70): VU0  
 Ion 96.95 (96.65 to 97.65): VU0  
 Ion 131.95 (131.65 to 132.65): V  
 Ion 129.95 (129.65 to 130.65): V



#47  
 Tetrachloroethene  
 Concen: 0.140 ug/L  
 RT: 8.55 min Scan# 2243  
 Delta R.T. -0.00 min  
 Lab File: VU041831.D  
 Acq: 29 Dec 2020 12:09

Tgt Ion: 164 Resp: 1138  
 Ion Ratio Lower Upper  
 164 100  
 129 103.4 72.2 134.0  
 131 74.1 66.9 124.3  
 166 127.3 89.6 166.4



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

