

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\U110920\  
 Data File : VU041141.D  
 Acq On : 09 Nov 2020 15:24  
 Operator : SY/MD  
 Sample : L4648-02  
 Misc : 25.0mL/MSVOA U/WATER  
 ALS Vial : 10 Sample Multiplier: 1

Instrument :  
 MSVOA\_U  
 ClientSampleId :  
 C0AA9

Quant Time: Nov 10 01:43:14 2020  
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_U\METHOD\SOMUTR102620WMA.M  
 Quant Title : TRACE VOA SOM01.0  
 QLast Update : Tue Nov 10 01:04:12 2020  
 Response via : Initial Calibration

| Internal Standards         | R.T.  | QIon | Response | Conc | Units | Dev(Min) |
|----------------------------|-------|------|----------|------|-------|----------|
| 1) 1,4-Difluorobenzene     | 6.26  | 114  | 53463    | 5.00 | ug/L  | 0.00     |
| 28) Chlorobenzene-d5       | 9.42  | 117  | 56840    | 5.00 | ug/L  | 0.00     |
| 60) 1,4-Dichlorobenzene-d4 | 11.81 | 152  | 23640    | 5.00 | ug/L  | 0.00     |

## System Monitoring Compounds

|                                |        |       |          |          |      |         |
|--------------------------------|--------|-------|----------|----------|------|---------|
| 4) Vinyl Chloride-d3           | 1.60   | 65    | 15706    | 3.50     | ug/L | 0.00    |
| Spiked Amount                  | 5.000  | Range | 40 - 130 | Recovery | =    | 70.00%  |
| 7) Chloroethane-d5             | 1.92   | 69    | 14754    | 4.27     | ug/L | 0.00    |
| Spiked Amount                  | 5.000  | Range | 65 - 130 | Recovery | =    | 85.40%  |
| 11) 1,1-Dichloroethene-d2      | 2.58   | 63    | 25438    | 2.89     | ug/L | 0.00    |
| Spiked Amount                  | 5.000  | Range | 60 - 125 | Recovery | =    | 57.80%# |
| 20) 2-Butanone-d5              | 4.65   | 46    | 79757    | 53.92    | ug/L | 0.00    |
| Spiked Amount                  | 50.000 | Range | 40 - 130 | Recovery | =    | 107.84% |
| 24) Chloroform-d               | 5.08   | 84    | 40672    | 5.13     | ug/L | 0.00    |
| Spiked Amount                  | 5.000  | Range | 70 - 125 | Recovery | =    | 102.60% |
| 26) 1,2-Dichloroethane-d4      | 5.72   | 65    | 25692    | 5.22     | ug/L | 0.00    |
| Spiked Amount                  | 5.000  | Range | 70 - 130 | Recovery | =    | 104.40% |
| 32) Benzene-d6                 | 5.75   | 84    | 69886    | 4.60     | ug/L | 0.00    |
| Spiked Amount                  | 5.000  | Range | 70 - 125 | Recovery | =    | 92.00%  |
| 36) 1,2-Dichloropropane-d6     | 6.70   | 67    | 25229    | 5.10     | ug/L | 0.00    |
| Spiked Amount                  | 5.000  | Range | 60 - 140 | Recovery | =    | 102.00% |
| 41) Toluene-d8                 | 7.91   | 98    | 56375    | 4.09     | ug/L | 0.00    |
| Spiked Amount                  | 5.000  | Range | 70 - 130 | Recovery | =    | 81.80%  |
| 43) trans-1,3-Dichloropropene- | 8.19   | 79    | 9601     | 4.47     | ug/L | 0.00    |
| Spiked Amount                  | 5.000  | Range | 55 - 130 | Recovery | =    | 89.40%  |
| 46) 2-Hexanone-d5              | 8.64   | 63    | 59148    | 51.21    | ug/L | 0.00    |
| Spiked Amount                  | 50.000 | Range | 45 - 130 | Recovery | =    | 102.42% |
| 57) 1,1,2,2-Tetrachloroethane- | 10.75  | 84    | 23698    | 5.16     | ug/L | 0.00    |
| Spiked Amount                  | 5.000  | Range | 65 - 120 | Recovery | =    | 103.20% |
| 64) 1,2-Dichlorobenzene-d4     | 12.19  | 152   | 24679    | 5.95     | ug/L | 0.00    |
| Spiked Amount                  | 5.000  | Range | 80 - 120 | Recovery | =    | 119.00% |

## Target Compounds

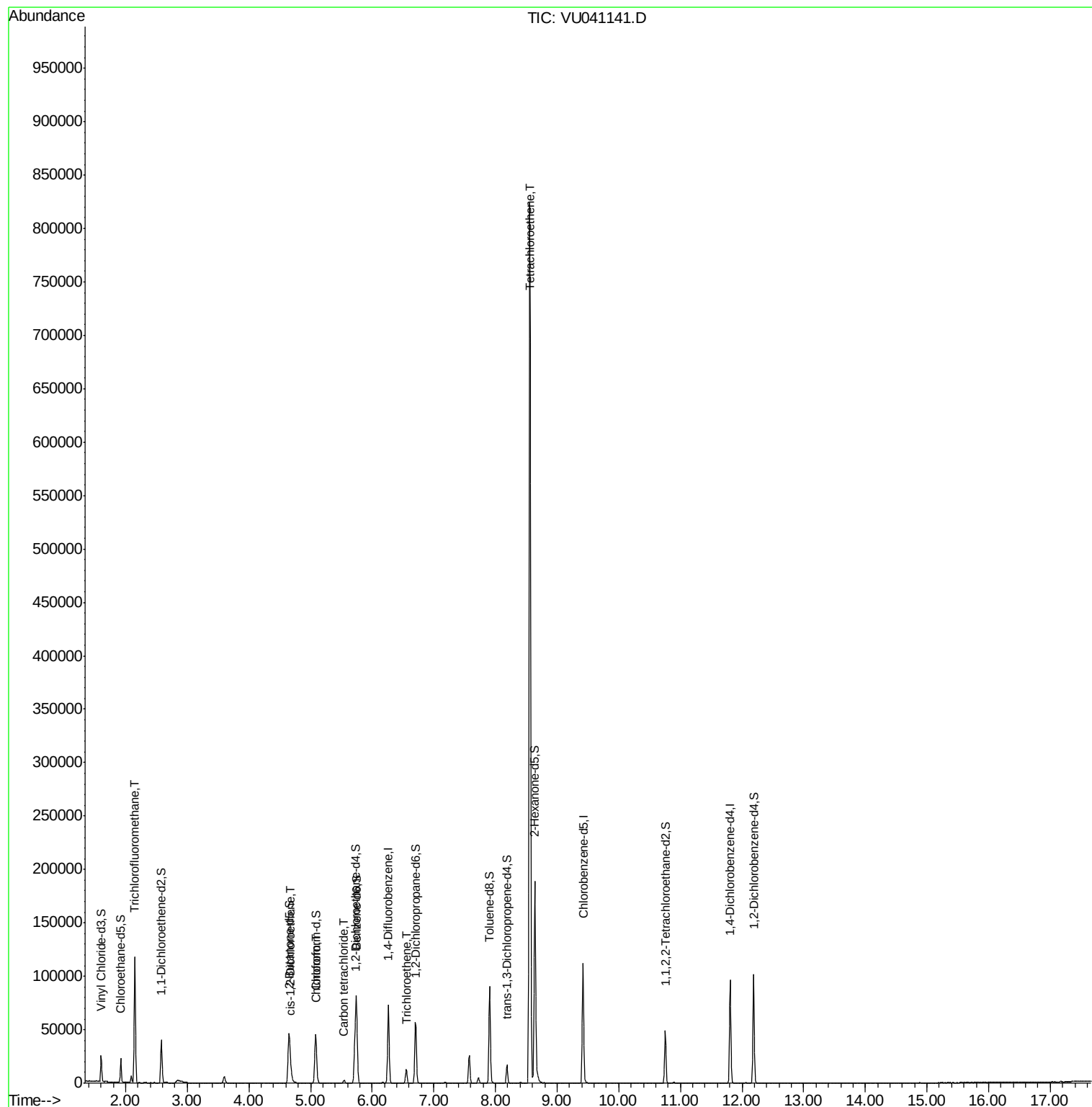
|                            |      |     |        |        | Ovalue    |
|----------------------------|------|-----|--------|--------|-----------|
| 9) Trichlorofluoromethane  | 2.15 | 101 | 73926  | 10.832 | ug/L 100  |
| 22) cis-1,2-Dichloroethene | 4.69 | 96  | 615    | 0.155  | ug/L 97   |
| 25) Chloroform             | 5.11 | 83  | 1864   | 0.242  | ug/L # 71 |
| 31) Carbon tetrachloride   | 5.54 | 117 | 1689   | 0.274  | ug/L 95   |
| 34) Trichloroethene        | 6.55 | 95  | 4271   | 0.988  | ug/L 91   |
| 47) Tetrachloroethene      | 8.56 | 164 | 166180 | 52.288 | ug/L 97   |

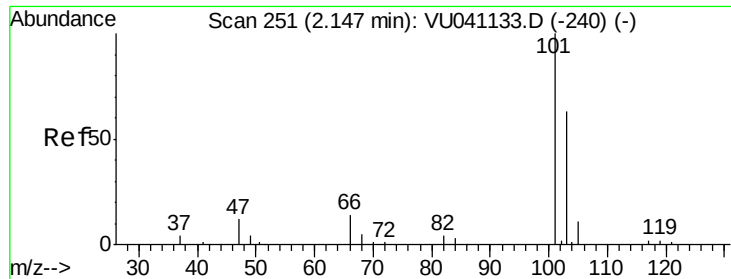
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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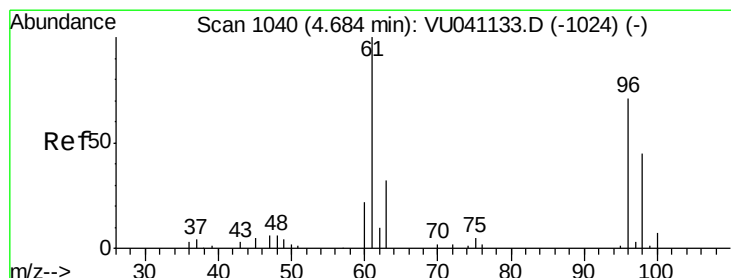
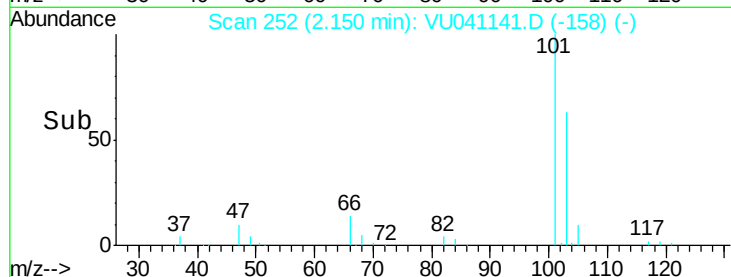
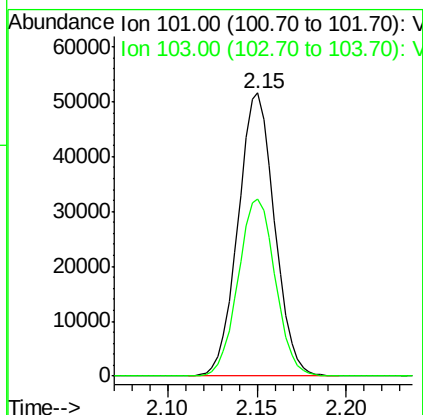
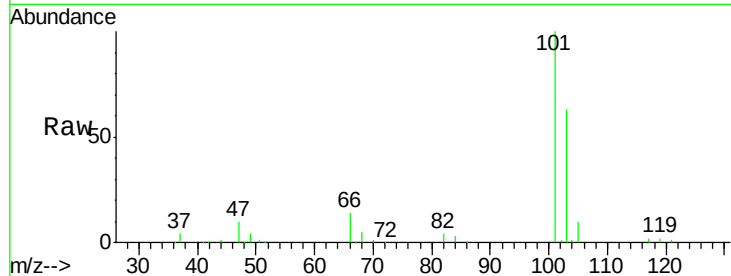


#9

Trichlorofluoromethane  
 Concen: 10.832 ug/L  
 RT: 2.15 min Scan# 252  
 Delta R.T. 0.00 min  
 Lab File: VU041141.D  
 Acq: 09 Nov 2020 15:24

Instrument :  
 MSVOA\_U  
 ClientSampleId :  
 C0AA9

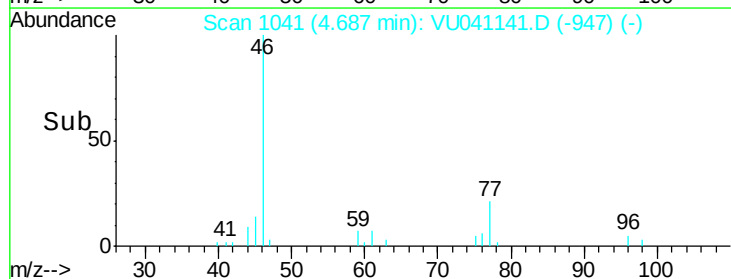
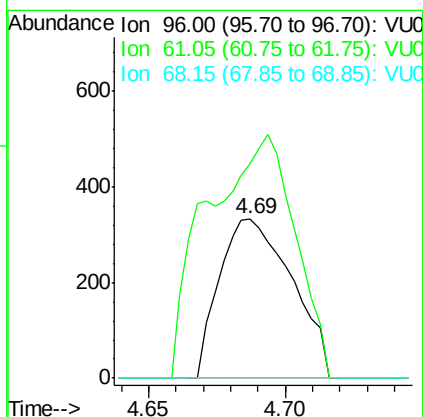
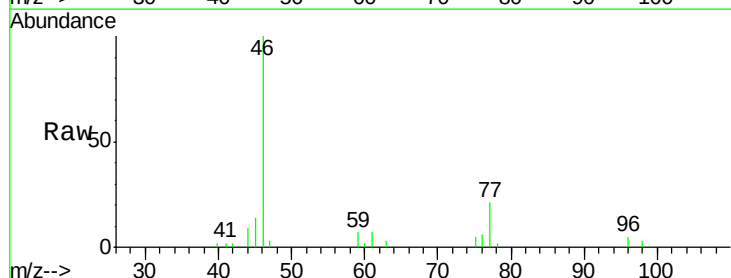
Tot Ion:101 Resp: 73926  
 Ion Ratio Lower Upper  
 101 100  
 103 63.6 51.0 76.4

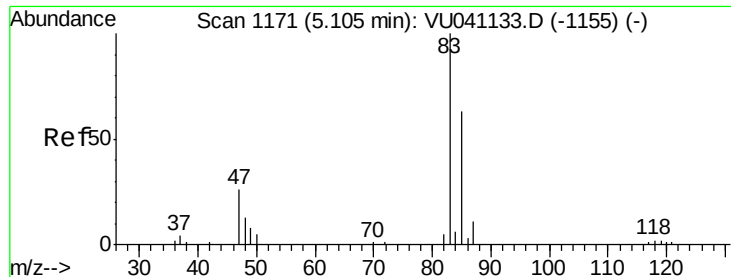


#22

cis-1,2-Dichloroethene  
 Concen: 0.155 ug/L  
 RT: 4.69 min Scan# 1041  
 Delta R.T. 0.00 min  
 Lab File: VU041141.D  
 Acq: 09 Nov 2020 15:24

Tgt Ion: 96 Resp: 615  
 Ion Ratio Lower Upper  
 96 100  
 61 134.8 97.2 180.4  
 68 0.0 0.0 0.0

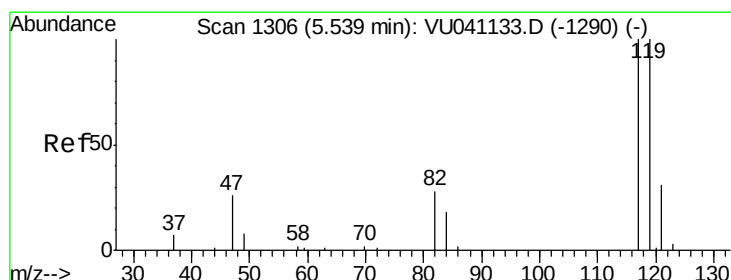
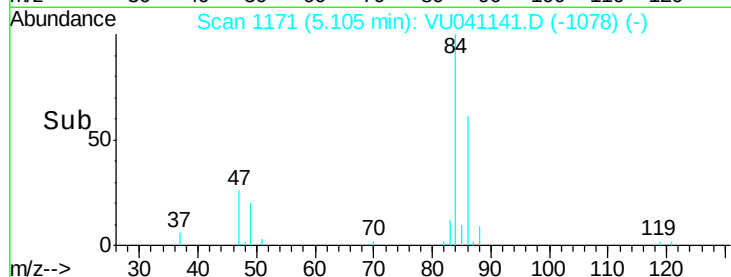
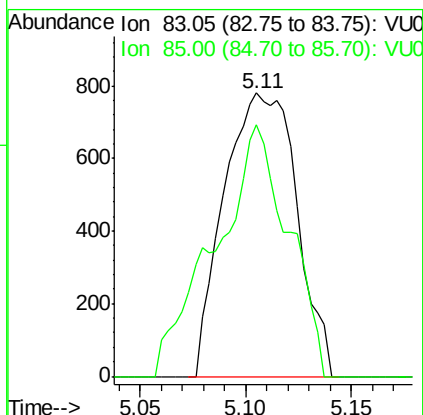
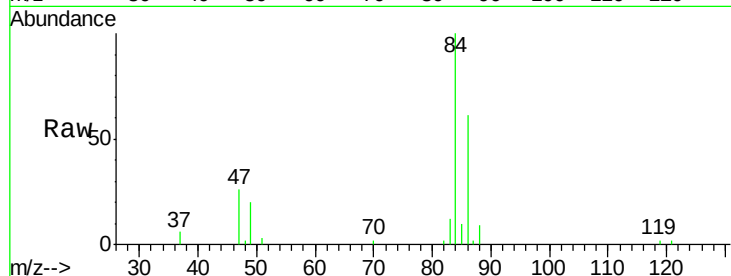




#25  
Chloroform  
Concen: 0.242 ug/L  
RT: 5.11 min Scan# 1171  
Delta R.T. -0.00 min  
Lab File: VU041141.D  
Acq: 09 Nov 2020 15:24

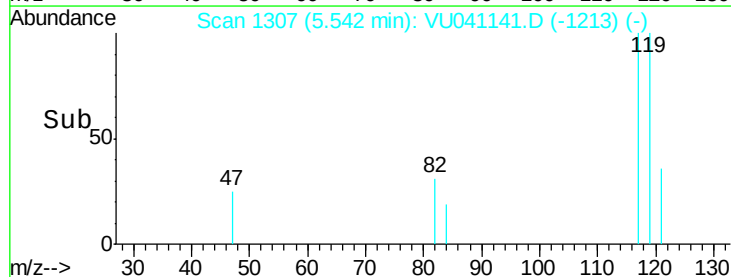
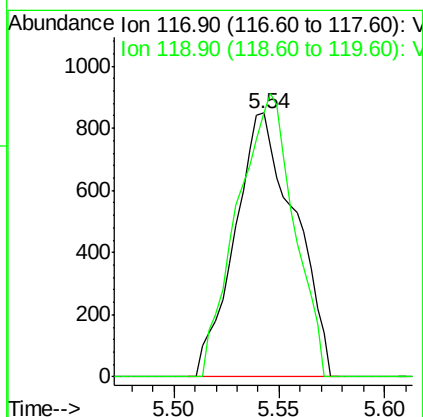
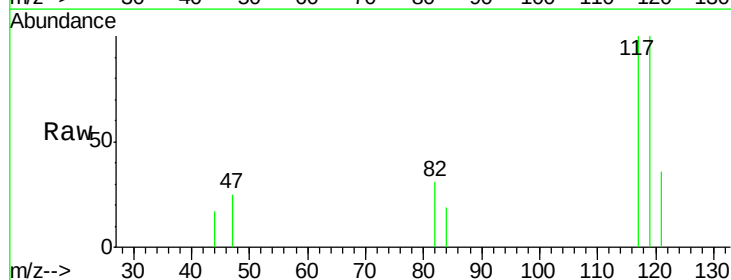
Instrument :  
MSVOA\_U  
ClientSampleId :  
C0AA9

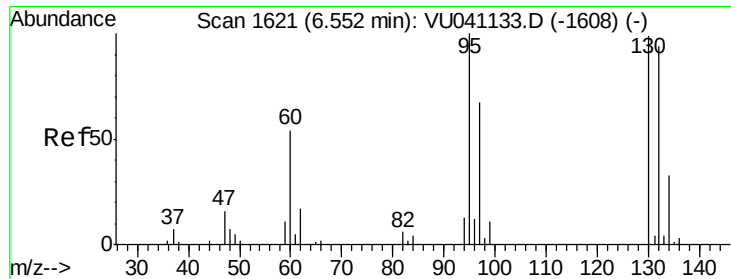
Tot Ion: 83 Resp: 1864  
Ion Ratio Lower Upper  
83 100  
85 88.7 46.1 85.7#



#31  
Carbon tetrachloride  
Concen: 0.274 ug/L  
RT: 5.54 min Scan# 1307  
Delta R.T. 0.00 min  
Lab File: VU041141.D  
Acq: 09 Nov 2020 15:24

Tgt Ion: 117 Resp: 1689  
Ion Ratio Lower Upper  
117 100  
119 100.4 76.1 114.1

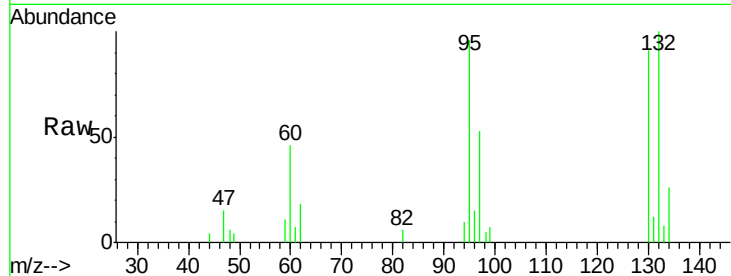




#34  
 Trichloroethene  
 Concen: 0.988 ug/L  
 RT: 6.55 min Scan# 1621  
 Delta R.T. -0.00 min  
 Lab File: VU041141.D  
 Acq: 09 Nov 2020 15:24

Instrument :  
 MSVOA\_U  
 ClientSampleId :  
 C0AA9

|          |       |       |       |
|----------|-------|-------|-------|
| Tot Ion: | 95    | Resp: | 4271  |
| Ion      | Ratio | Lower | Upper |
| 95       | 100   |       |       |
| 97       | 55.4  | 45.6  | 84.6  |
| 132      | 104.3 | 64.8  | 120.4 |
| 130      | 94.9  | 64.8  | 120.4 |

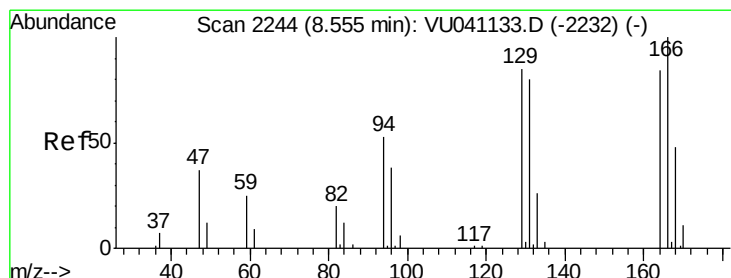
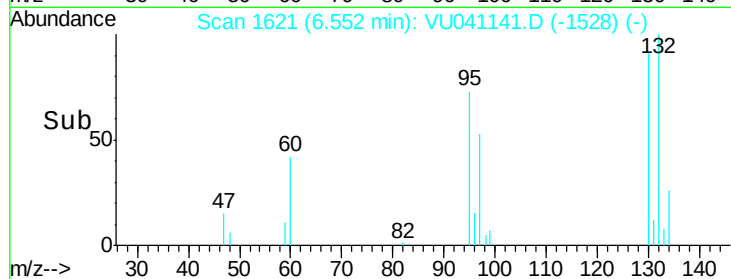
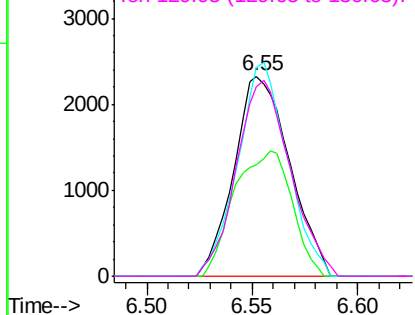


Abundance Ion 95.00 (94.70 to 95.70): VU041141.D (-1528) (-)

Ion 96.95 (96.65 to 97.65): VU041141.D (-1528) (-)

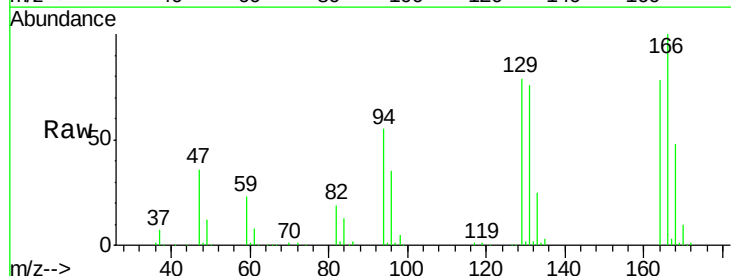
Ion 131.95 (131.65 to 132.65): VU041141.D (-1528) (-)

Ion 129.95 (129.65 to 130.65): VU041141.D (-1528) (-)



#47  
 Tetrachloroethene  
 Concen: 52.288 ug/L  
 RT: 8.56 min Scan# 2245  
 Delta R.T. 0.00 min  
 Lab File: VU041141.D  
 Acq: 09 Nov 2020 15:24

|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 164   | Resp: | 166180 |
| Ion      | Ratio | Lower | Upper  |
| 164      | 100   |       |        |
| 129      | 100.1 | 70.3  | 130.7  |
| 131      | 97.4  | 70.8  | 131.4  |
| 166      | 127.4 | 92.0  | 170.8  |



Abundance Ion 163.90 (163.60 to 164.60): VU041141.D (-2151) (-)

Ion 128.95 (128.65 to 129.65): VU041141.D (-2151) (-)

Ion 130.95 (130.65 to 131.65): VU041141.D (-2151) (-)

Ion 165.90 (165.60 to 166.60): VU041141.D (-2151) (-)

