

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU011121\  
 Data File : VU041943.D  
 Acq On : 12 Jan 2021 00:36  
 Operator : SY/MD  
 Sample : M1049-01DL 5X  
 Misc : 25.0mL/MSVOA U/WATER  
 ALS Vial : 35 Sample Multiplier: 1

Instrument :  
 MSVOA\_U  
 ClientSampleId :  
 C0AQ3DL

Quant Time: Jan 12 07:14:14 2021  
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_U\METHOD\SOMUTR011121WMA.M  
 Quant Title : TRACE VOA SOM01.0  
 QLast Update : Tue Jan 12 05:50:11 2021  
 Response via : Initial Calibration

| Internal Standards         | R.T.  | QIon | Response | Conc | Units | Dev(Min) |
|----------------------------|-------|------|----------|------|-------|----------|
| 1) 1,4-Difluorobenzene     | 6.26  | 114  | 108205   | 5.00 | ug/L  | 0.00     |
| 28) Chlorobenzene-d5       | 9.42  | 117  | 109339   | 5.00 | ug/L  | 0.00     |
| 60) 1,4-Dichlorobenzene-d4 | 11.81 | 152  | 45791    | 5.00 | ug/L  | 0.00     |

## System Monitoring Compounds

|                                |        |       |          |          |      |         |
|--------------------------------|--------|-------|----------|----------|------|---------|
| 4) Vinyl Chloride-d3           | 1.60   | 65    | 45421    | 4.98     | ug/L | 0.00    |
| Spiked Amount                  | 5.000  | Range | 40 - 130 | Recovery | =    | 99.60%  |
| 7) Chloroethane-d5             | 1.92   | 69    | 43903    | 5.20     | ug/L | 0.00    |
| Spiked Amount                  | 5.000  | Range | 65 - 130 | Recovery | =    | 104.00% |
| 11) 1,1-Dichloroethene-d2      | 2.58   | 63    | 64204    | 3.71     | ug/L | 0.00    |
| Spiked Amount                  | 5.000  | Range | 60 - 125 | Recovery | =    | 74.20%  |
| 20) 2-Butanone-d5              | 4.66   | 46    | 142088   | 56.06    | ug/L | 0.00    |
| Spiked Amount                  | 50.000 | Range | 40 - 130 | Recovery | =    | 112.12% |
| 24) Chloroform-d               | 5.08   | 84    | 81298    | 4.89     | ug/L | 0.00    |
| Spiked Amount                  | 5.000  | Range | 70 - 125 | Recovery | =    | 97.80%  |
| 26) 1,2-Dichloroethane-d4      | 5.72   | 65    | 47290    | 5.40     | ug/L | 0.00    |
| Spiked Amount                  | 5.000  | Range | 70 - 130 | Recovery | =    | 108.00% |
| 32) Benzene-d6                 | 5.74   | 84    | 155426   | 4.81     | ug/L | 0.00    |
| Spiked Amount                  | 5.000  | Range | 70 - 125 | Recovery | =    | 96.20%  |
| 36) 1,2-Dichloropropane-d6     | 6.70   | 67    | 50308    | 4.96     | ug/L | 0.00    |
| Spiked Amount                  | 5.000  | Range | 60 - 140 | Recovery | =    | 99.20%  |
| 41) Toluene-d8                 | 7.90   | 98    | 131321   | 4.48     | ug/L | 0.00    |
| Spiked Amount                  | 5.000  | Range | 70 - 130 | Recovery | =    | 89.60%  |
| 43) trans-1,3-Dichloropropene- | 8.19   | 79    | 20079    | 4.74     | ug/L | 0.00    |
| Spiked Amount                  | 5.000  | Range | 55 - 130 | Recovery | =    | 94.80%  |
| 46) 2-Hexanone-d5              | 8.64   | 63    | 120071   | 56.03    | ug/L | 0.00    |
| Spiked Amount                  | 50.000 | Range | 45 - 130 | Recovery | =    | 112.06% |
| 57) 1,1,2,2-Tetrachloroethane- | 10.75  | 84    | 48625    | 5.41     | ug/L | 0.00    |
| Spiked Amount                  | 5.000  | Range | 65 - 120 | Recovery | =    | 108.20% |
| 64) 1,2-Dichlorobenzene-d4     | 12.19  | 152   | 48572    | 5.61     | ug/L | 0.00    |
| Spiked Amount                  | 5.000  | Range | 80 - 120 | Recovery | =    | 112.20% |

## Target Compounds

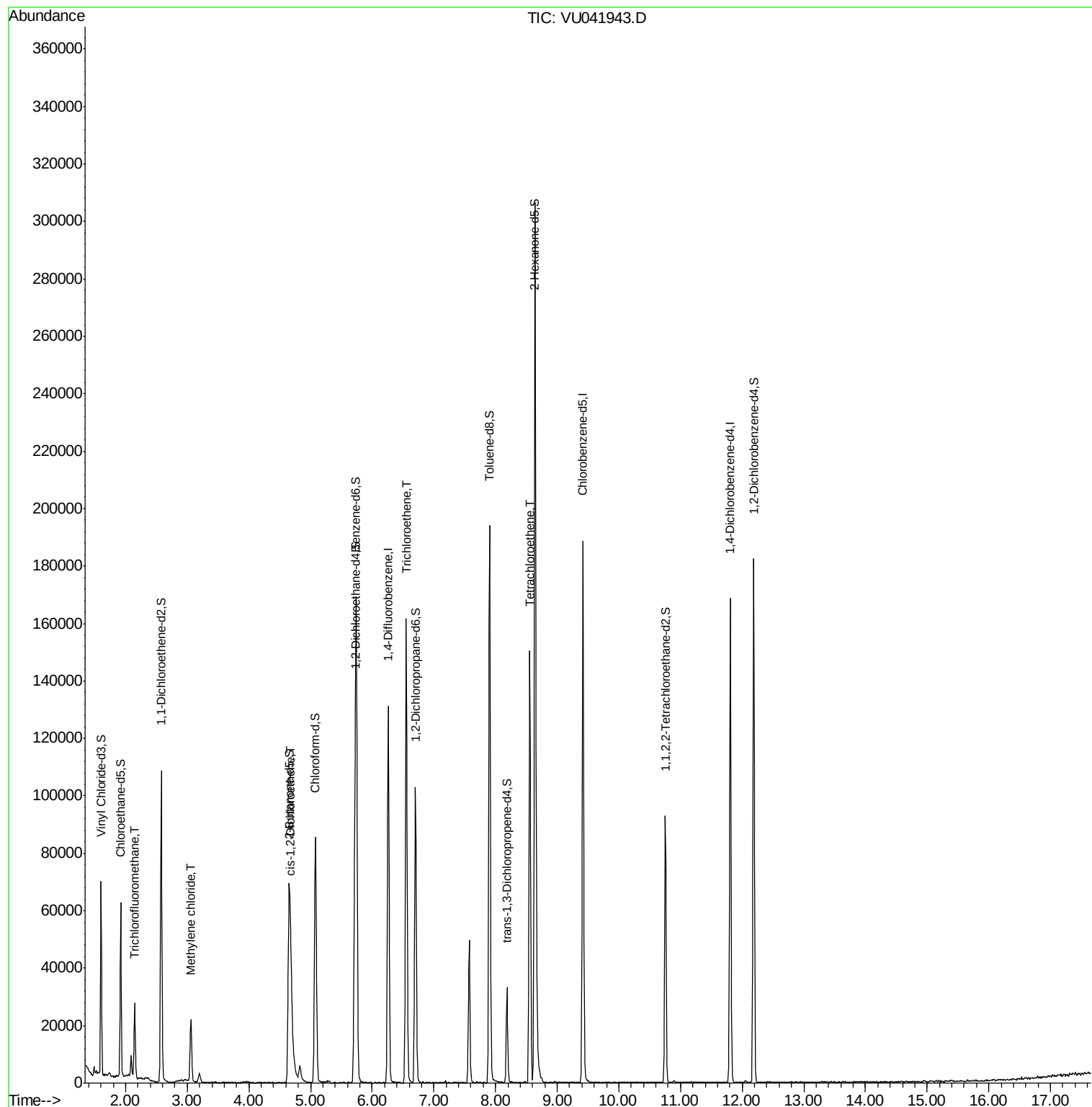
| Target Compounds           | R.T. | QIon | Response | Conc  | Units | Ovalue |
|----------------------------|------|------|----------|-------|-------|--------|
| 9) Trichlorofluoromethane  | 2.15 | 101  | 15816    | 0.992 | ug/L  | 97     |
| 16) Methylene chloride     | 3.06 | 84   | 10536    | 0.992 | ug/L  | 93     |
| 22) cis-1,2-Dichloroethene | 4.68 | 96   | 3270     | 0.373 | ug/L  | 96     |
| 34) Trichloroethene        | 6.55 | 95   | 55833    | 6.036 | ug/L  | 97     |
| 47) Tetrachloroethene      | 8.56 | 164  | 34166    | 5.308 | ug/L  | 96     |

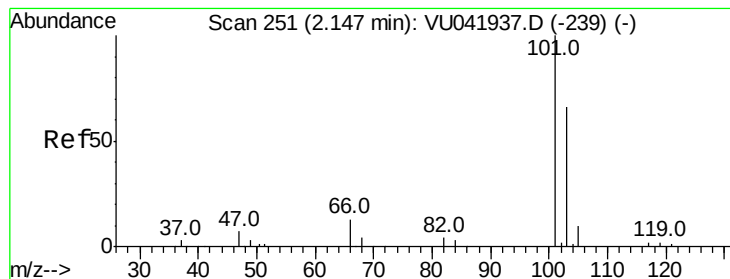
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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QLast Update : Tue Jan 12 05:50:11 2021  
Response via : Initial Calibration





#9

Trichlorofluoromethane

Concen: 0.992 ug/L

RT: 2.15 min Scan# 251

Delta R.T. 0.00 min

Lab File: VU041943.D

Acq: 12 Jan 2021 00:36

Instrument :

MSVOA\_U

ClientSampleId :

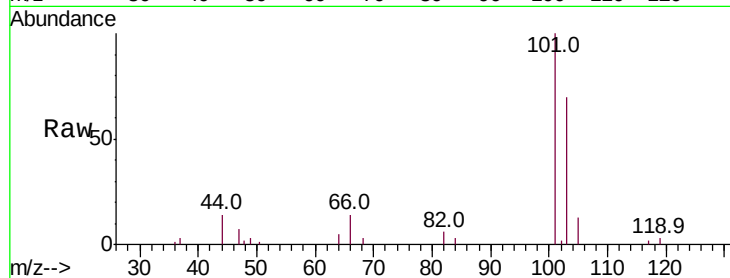
C0AQ3DL

Tot Ion:101 Resp: 15816

Ion Ratio Lower Upper

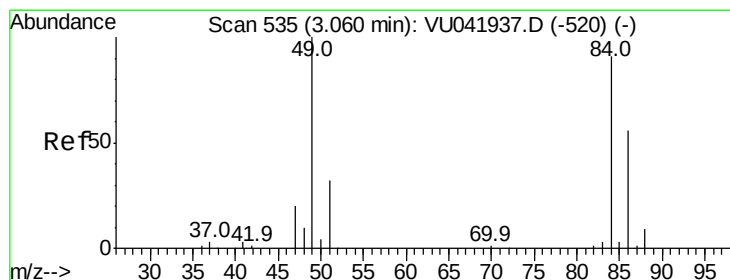
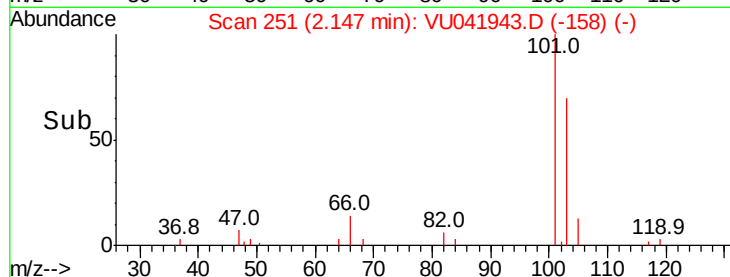
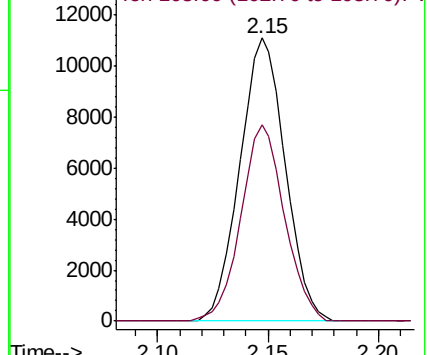
101 100

103 66.7 51.3 76.9



Abundance Ion 101.00 (100.70 to 101.70): V

Ion 103.00 (102.70 to 103.70): V



#16

Methylene chloride

Concen: 0.992 ug/L

RT: 3.06 min Scan# 535

Delta R.T. 0.00 min

Lab File: VU041943.D

Acq: 12 Jan 2021 00:36

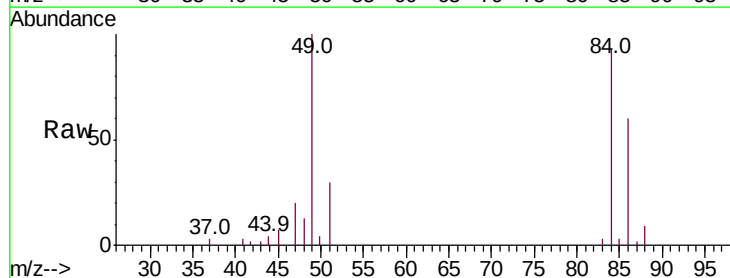
Tgt Ion: 84 Resp: 10536

Ion Ratio Lower Upper

84 100

86 64.4 43.5 80.7

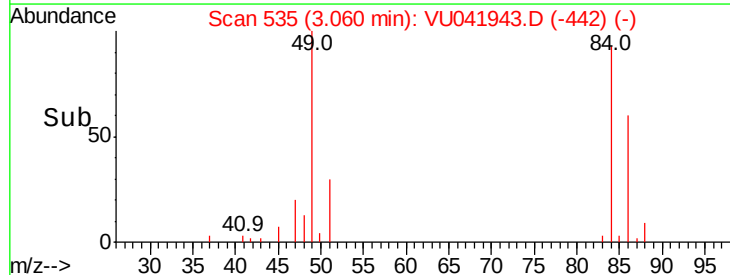
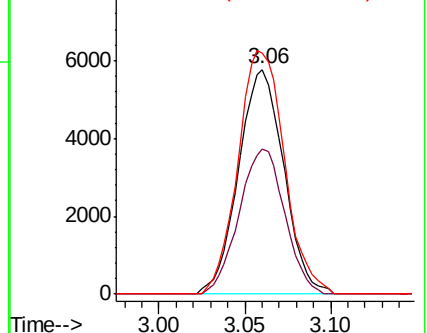
49 107.1 81.8 151.8

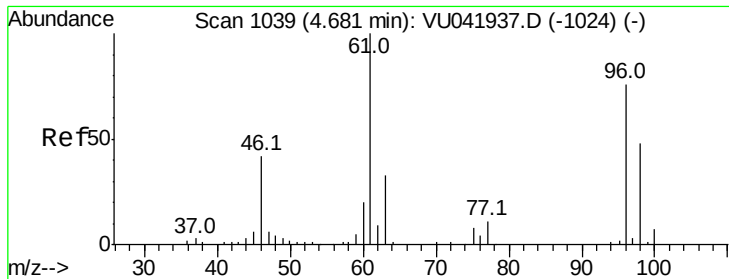


Abundance Ion 84.05 (83.75 to 84.75): VU0

Ion 86.00 (85.70 to 86.70): VU0

Ion 49.10 (48.80 to 49.80): VU0





#22

cis-1,2-Dichloroethene

Concen: 0.373 ug/L

RT: 4.68 min Scan# 1040

Delta R.T. 0.00 min

Lab File: VU041943.D

Acq: 12 Jan 2021 00:36

Instrument :

MSVOA\_U

ClientSampleId :

C0AQ3DL

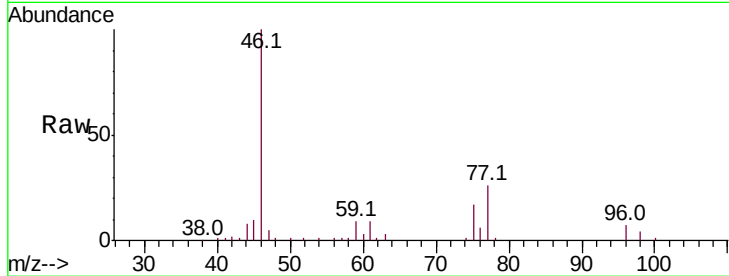
Tot Ion: 96 Resp: 3270

Ion Ratio Lower Upper

96 100

61 124.8 90.3 167.7

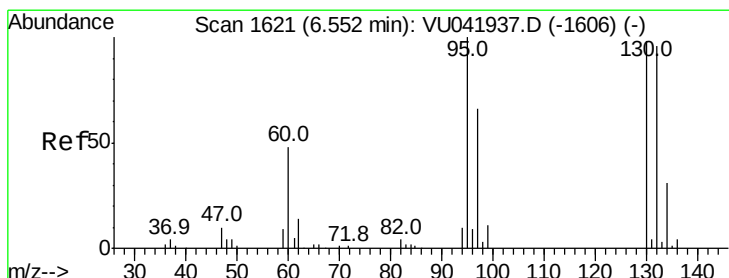
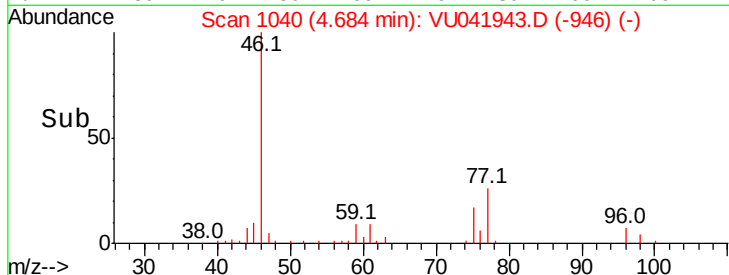
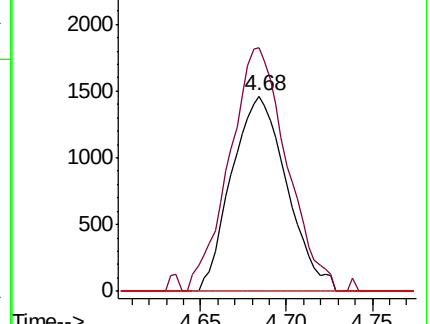
68 0.0 0.0 0.0



Abundance Ion 96.00 (95.70 to 96.70): VU041937.D (-1024) (-)

Ion 61.05 (60.75 to 61.75): VU041937.D (-1024) (-)

Ion 68.15 (67.85 to 68.85): VU041937.D (-1024) (-)



#34

Trichloroethene

Concen: 6.036 ug/L

RT: 6.55 min Scan# 1621

Delta R.T. 0.00 min

Lab File: VU041943.D

Acq: 12 Jan 2021 00:36

Tgt Ion: 95 Resp: 55833

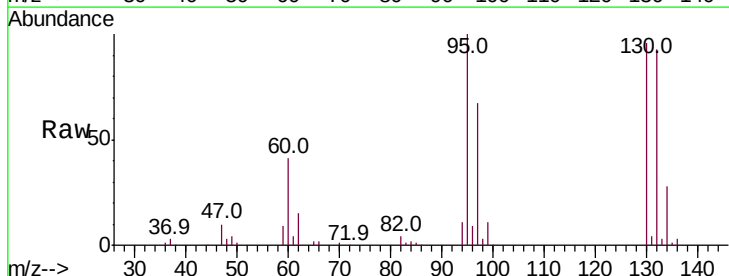
Ion Ratio Lower Upper

95 100

97 66.7 45.2 84.0

132 93.1 68.7 127.5

130 96.2 68.0 126.4

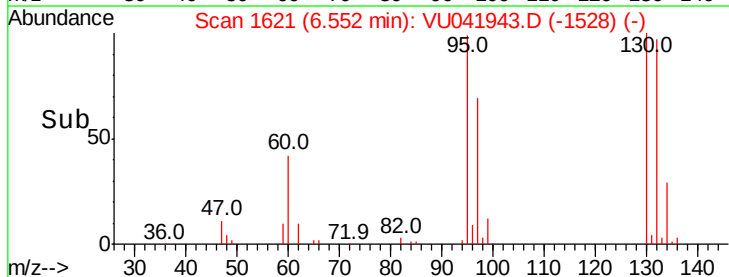
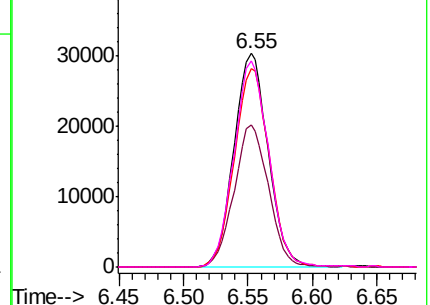


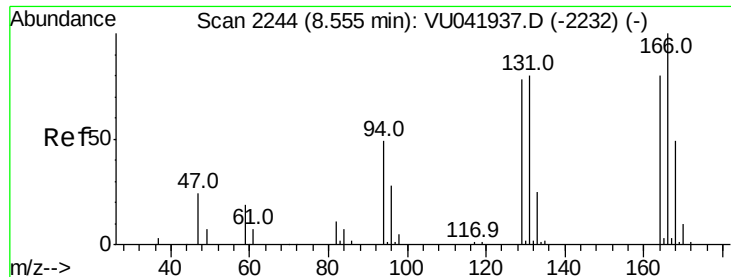
Abundance Ion 95.00 (94.70 to 95.70): VU041937.D (-1606) (-)

Ion 96.95 (96.65 to 97.65): VU041937.D (-1606) (-)

Ion 131.95 (131.65 to 132.65): VU041937.D (-1606) (-)

Ion 129.95 (129.65 to 130.65): VU041937.D (-1606) (-)





#47

Tetrachloroethene

Concen: 5.308 ug/L

RT: 8.56 min Scan# 2244

Delta R.T. 0.00 min

Lab File: VU041943.D

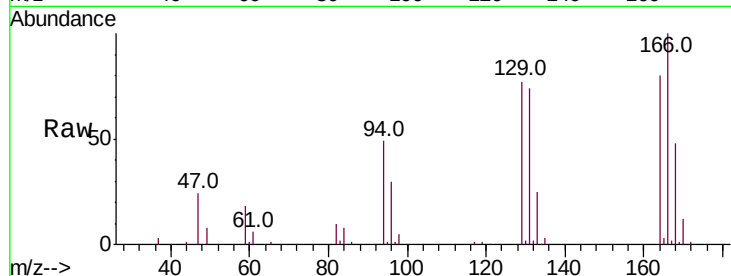
Acq: 12 Jan 2021 00:36

Instrument :

MSVOA\_U

ClientSampleId :

C0AQ3DL



Tot Ion:164 Resp: 34166

Ion Ratio Lower Upper

164 100

129 96.3 69.2 128.6

131 91.8 69.7 129.5

166 124.7 89.2 165.8

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

