

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU013020\  
 Data File : VU036622.D  
 Acq On : 30 Jan 2020 16:24  
 Operator : JC/MD  
 Sample : L1322-08  
 Misc : 5.0mL/MSVOA U/WATER  
 ALS Vial : 16 Sample Multiplier: 1

Instrument :  
 MSVOA\_U  
 ClientSampleId :  
 C0XS4

Quant Time: Jan 30 16:55:02 2020  
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_U\METHOD\SOMULM012920WMA.M  
 Quant Title : VOC Analysis  
 QLast Update : Thu Jan 30 12:57:35 2020  
 Response via : Initial Calibration

| Internal Standards         | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|----------------------------|-------|------|----------|-------|-------|----------|
| 1) 1,4-Difluorobenzene     | 6.29  | 114  | 303182   | 50.00 | ug/L  | 0.00     |
| 28) Chlorobenzene-d5       | 9.45  | 117  | 282658   | 50.00 | ug/L  | 0.00     |
| 60) 1,4-Dichlorobenzene-d4 | 11.83 | 152  | 128366   | 50.00 | ug/L  | 0.00     |

## System Monitoring Compounds

|                                |         |       |          |          |      |         |
|--------------------------------|---------|-------|----------|----------|------|---------|
| 4) Vinyl Chloride-d3           | 1.61    | 65    | 86544    | 38.11    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 60 - 135 | Recovery | =    | 76.22%  |
| 7) Chloroethane-d5             | 1.93    | 69    | 79706    | 40.91    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 70 - 130 | Recovery | =    | 81.82%  |
| 11) 1,1-Dichloroethene-d2      | 2.59    | 63    | 116906   | 31.84    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 60 - 125 | Recovery | =    | 63.68%  |
| 21) 2-Butanone-d5              | 4.67    | 46    | 142398   | 105.65   | ug/L | 0.00    |
| Spiked Amount                  | 100.000 | Range | 40 - 130 | Recovery | =    | 105.65% |
| 24) Chloroform-d               | 5.11    | 84    | 156728   | 42.15    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 70 - 125 | Recovery | =    | 84.30%  |
| 26) 1,2-Dichloroethane-d4      | 5.74    | 65    | 102178   | 44.08    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 70 - 125 | Recovery | =    | 88.16%  |
| 32) Benzene-d6                 | 5.77    | 84    | 354463   | 44.58    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 70 - 125 | Recovery | =    | 89.16%  |
| 36) 1,2-Dichloropropane-d6     | 6.73    | 67    | 114276   | 46.12    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 70 - 120 | Recovery | =    | 92.24%  |
| 41) Toluene-d8                 | 7.93    | 98    | 336771   | 44.03    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 80 - 120 | Recovery | =    | 88.06%  |
| 43) trans-1,3-Dichloropropene- | 8.21    | 79    | 52587    | 44.63    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 60 - 125 | Recovery | =    | 89.26%  |
| 47) 2-Hexanone-d5              | 8.67    | 63    | 124463   | 108.33   | ug/L | 0.00    |
| Spiked Amount                  | 100.000 | Range | 45 - 130 | Recovery | =    | 108.33% |
| 57) 1,1,2,2-Tetrachloroethane- | 10.78   | 84    | 166528   | 45.71    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 65 - 120 | Recovery | =    | 91.42%  |
| 64) 1,2-Dichlorobenzene-d4     | 12.21   | 152   | 123916   | 44.99    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 80 - 120 | Recovery | =    | 89.98%  |

## Target Compounds

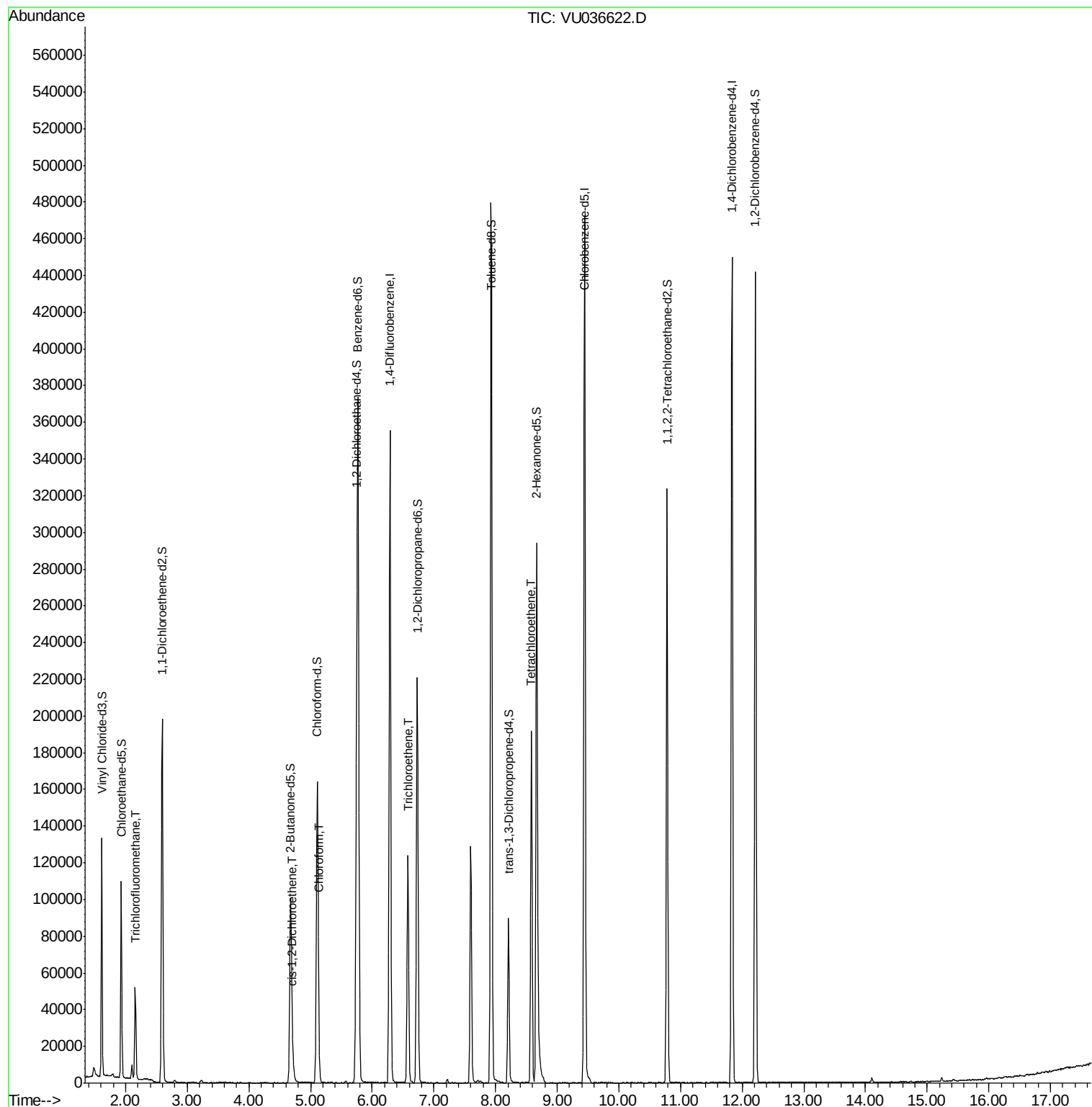
|                            |      |     |       |        | Ovalue  |
|----------------------------|------|-----|-------|--------|---------|
| 9) Trichlorofluoromethane  | 2.16 | 101 | 32781 | 10.634 | ug/L 99 |
| 20) cis-1,2-Dichloroethene | 4.72 | 96  | 3543  | 1.540  | ug/L 99 |
| 25) Chloroform             | 5.14 | 83  | 5112  | 1.381  | ug/L 96 |
| 34) Trichloroethene        | 6.58 | 95  | 42719 | 19.639 | ug/L 98 |
| 46) Tetrachloroethene      | 8.58 | 164 | 45191 | 25.574 | ug/L 98 |

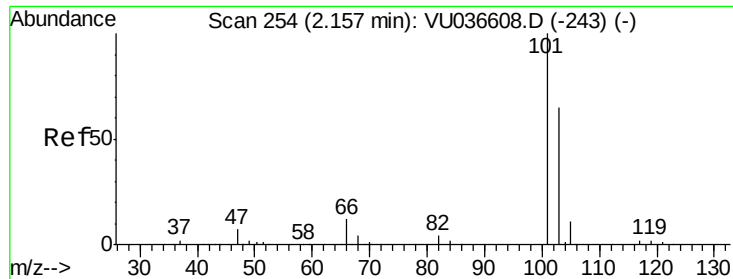
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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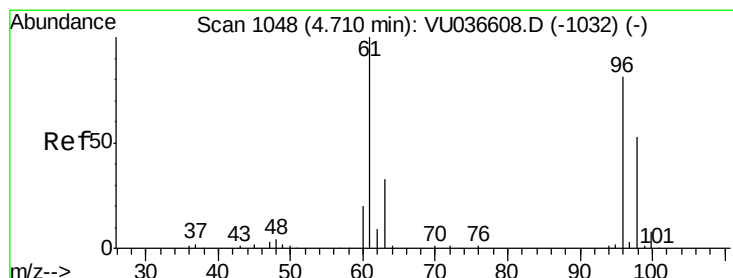
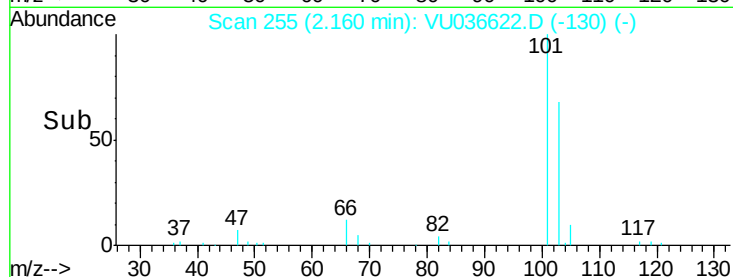
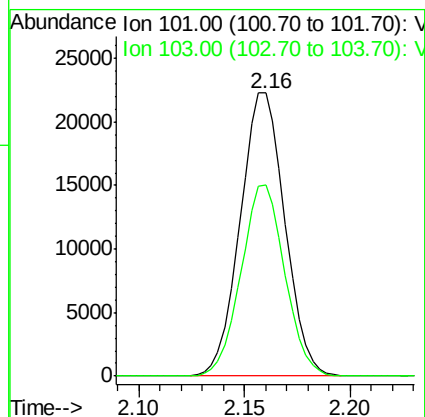
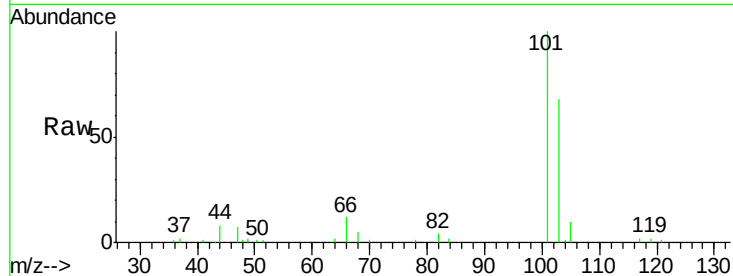


#9

Trichlorofluoromethane  
Concen: 10.634 ug/L  
RT: 2.16 min Scan# 255  
Delta R.T. 0.00 min  
Lab File: VU036622.D  
Acq: 30 Jan 2020 16:24

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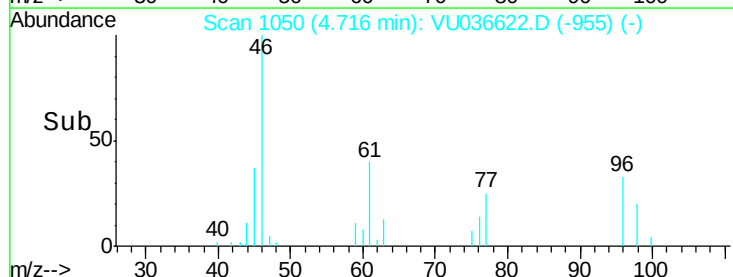
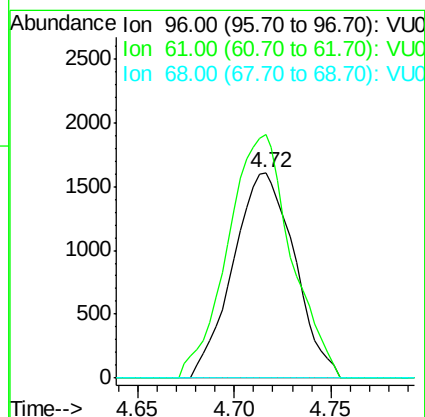
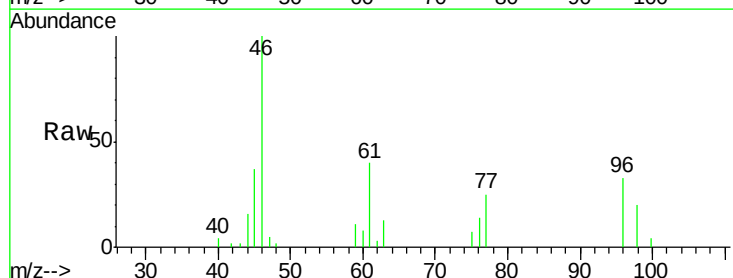
Tot Ion:101 Resp: 32781  
Ion Ratio Lower Upper  
101 100  
103 66.1 52.4 78.6

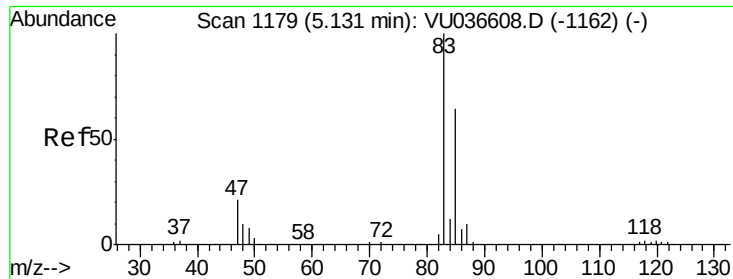


#20

cis-1,2-Dichloroethene  
Concen: 1.540 ug/L  
RT: 4.72 min Scan# 1050  
Delta R.T. 0.01 min  
Lab File: VU036622.D  
Acq: 30 Jan 2020 16:24

Tgt Ion: 96 Resp: 3543  
Ion Ratio Lower Upper  
96 100  
61 118.4 82.2 152.6  
68 0.0 0.0 0.0

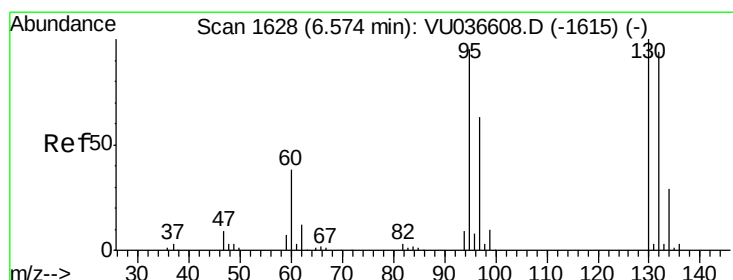
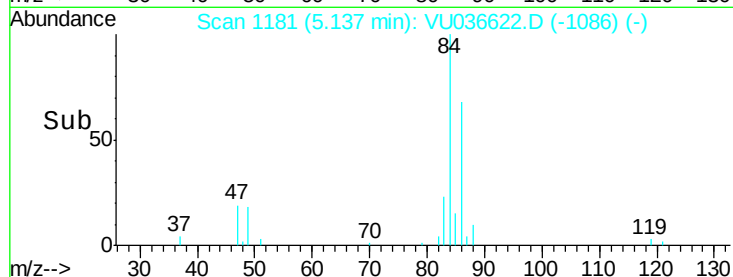
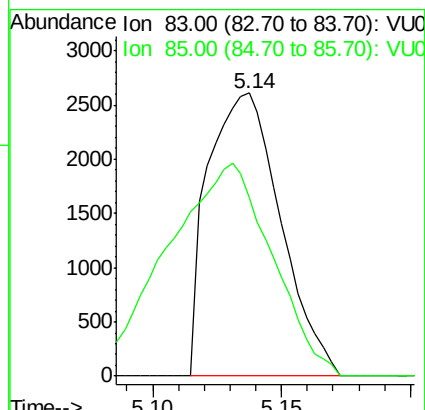
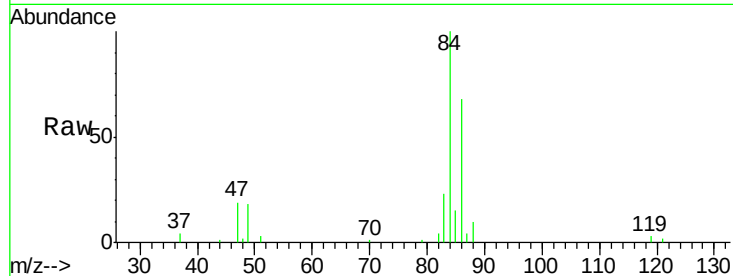




#25  
Chloroform  
Concen: 1.381 ug/L  
RT: 5.14 min Scan# 1181  
Delta R.T. 0.01 min  
Lab File: VU036622.D  
Acq: 30 Jan 2020 16:24

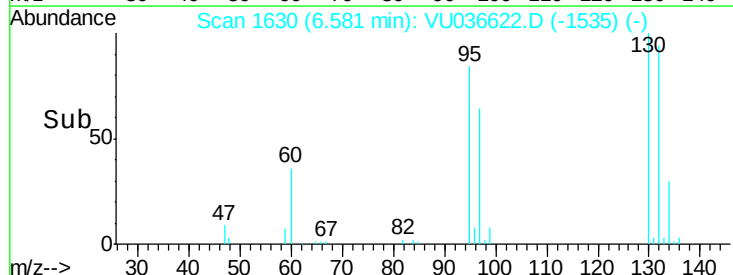
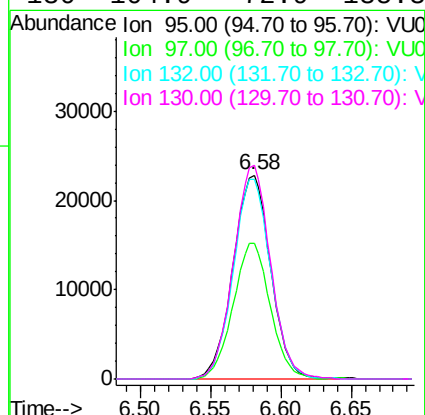
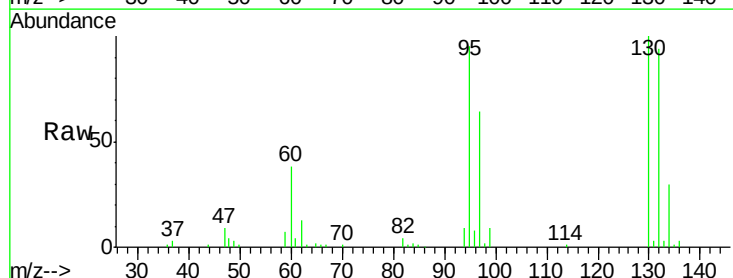
Instrument :  
MSVOA\_U  
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C0XS4

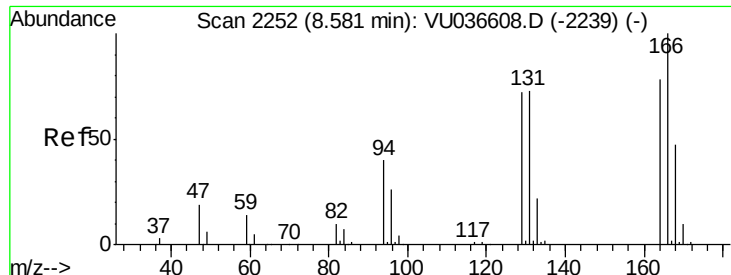
Tot Ion: 83 Resp: 5112  
Ion Ratio Lower Upper  
83 100  
85 62.9 46.3 85.9



#34  
Trichloroethene  
Concen: 19.639 ug/L  
RT: 6.58 min Scan# 1630  
Delta R.T. 0.01 min  
Lab File: VU036622.D  
Acq: 30 Jan 2020 16:24

Tgt Ion: 95 Resp: 42719  
Ion Ratio Lower Upper  
95 100  
97 66.8 45.5 84.5  
132 98.2 70.9 131.7  
130 104.9 72.9 135.3





#46

Tetrachloroethene

Concen: 25.574 ug/L

RT: 8.58 min Scan# 2252

Delta R.T. 0.00 min

Lab File: VU036622.D

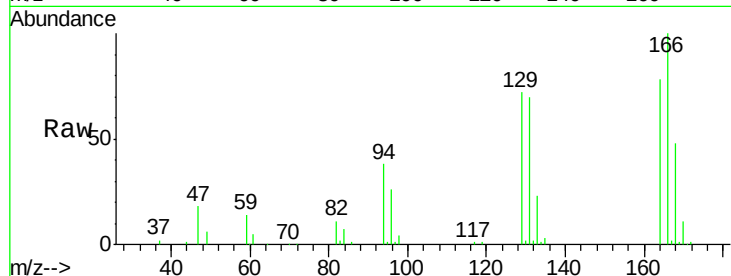
Acq: 30 Jan 2020 16:24

Instrument :

MSVOA\_U

ClientSampleId :

C0XS4



Tot Ion:164 Resp: 45191

Ion Ratio Lower Upper

164 100

129 92.9 64.2 119.2

131 90.2 61.8 114.8

166 128.9 88.8 165.0

Abundance Ion 164.00 (163.70 to 164.70): V

Ion 129.00 (128.70 to 129.70): V

Ion 131.00 (130.70 to 131.70): V

Ion 166.00 (165.70 to 166.70): V

