

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU011121\  
 Data File : VU041955.D  
 Acq On : 12 Jan 2021 05:23  
 Operator : SY/MD  
 Sample : M1027-18  
 Misc : 25.0mL/MSVOA U/WATER  
 ALS Vial : 47 Sample Multiplier: 1

Instrument :  
 MSVOA\_U  
 ClientSampleId :  
 BFXN6

Quant Time: Jan 12 06:55:56 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  | 110986   | 5.00 | ug/L  | 0.00     |
| 28) Chlorobenzene-d5       | 9.42  | 117  | 103351   | 5.00 | ug/L  | 0.00     |
| 60) 1,4-Dichlorobenzene-d4 | 11.81 | 152  | 41236    | 5.00 | ug/L  | 0.00     |

## System Monitoring Compounds

|                                |        |       |          |          |      |          |
|--------------------------------|--------|-------|----------|----------|------|----------|
| 4) Vinyl Chloride-d3           | 1.60   | 65    | 46250    | 4.94     | ug/L | 0.00     |
| Spiked Amount                  | 5.000  | Range | 40 - 130 | Recovery | =    | 98.80%   |
| 7) Chloroethane-d5             | 1.92   | 69    | 44625    | 5.15     | ug/L | 0.00     |
| Spiked Amount                  | 5.000  | Range | 65 - 130 | Recovery | =    | 103.00%  |
| 11) 1,1-Dichloroethene-d2      | 2.58   | 63    | 67818    | 3.82     | ug/L | 0.00     |
| Spiked Amount                  | 5.000  | Range | 60 - 125 | Recovery | =    | 76.40%   |
| 20) 2-Butanone-d5              | 4.66   | 46    | 178432   | 68.64    | ug/L | 0.00     |
| Spiked Amount                  | 50.000 | Range | 40 - 130 | Recovery | =    | 137.28%# |
| 24) Chloroform-d               | 5.08   | 84    | 93652    | 5.49     | ug/L | 0.00     |
| Spiked Amount                  | 5.000  | Range | 70 - 125 | Recovery | =    | 109.80%  |
| 26) 1,2-Dichloroethane-d4      | 5.72   | 65    | 55444    | 6.17     | ug/L | 0.00     |
| Spiked Amount                  | 5.000  | Range | 70 - 130 | Recovery | =    | 123.40%  |
| 32) Benzene-d6                 | 5.74   | 84    | 177441   | 5.81     | ug/L | 0.00     |
| Spiked Amount                  | 5.000  | Range | 70 - 125 | Recovery | =    | 116.20%  |
| 36) 1,2-Dichloropropane-d6     | 6.70   | 67    | 52371    | 5.46     | ug/L | 0.00     |
| Spiked Amount                  | 5.000  | Range | 60 - 140 | Recovery | =    | 109.20%  |
| 41) Toluene-d8                 | 7.90   | 98    | 126454   | 4.57     | ug/L | 0.00     |
| Spiked Amount                  | 5.000  | Range | 70 - 130 | Recovery | =    | 91.40%   |
| 43) trans-1,3-Dichloropropene- | 8.18   | 79    | 19921    | 4.98     | ug/L | 0.00     |
| Spiked Amount                  | 5.000  | Range | 55 - 130 | Recovery | =    | 99.60%   |
| 46) 2-Hexanone-d5              | 8.64   | 63    | 125122   | 61.77    | ug/L | 0.00     |
| Spiked Amount                  | 50.000 | Range | 45 - 130 | Recovery | =    | 123.54%  |
| 57) 1,1,2,2-Tetrachloroethane- | 10.75  | 84    | 47261    | 5.57     | ug/L | 0.00     |
| Spiked Amount                  | 5.000  | Range | 65 - 120 | Recovery | =    | 111.40%  |
| 64) 1,2-Dichlorobenzene-d4     | 12.19  | 152   | 42783    | 5.49     | ug/L | 0.00     |
| Spiked Amount                  | 5.000  | Range | 80 - 120 | Recovery | =    | 109.80%  |

## Target Compounds

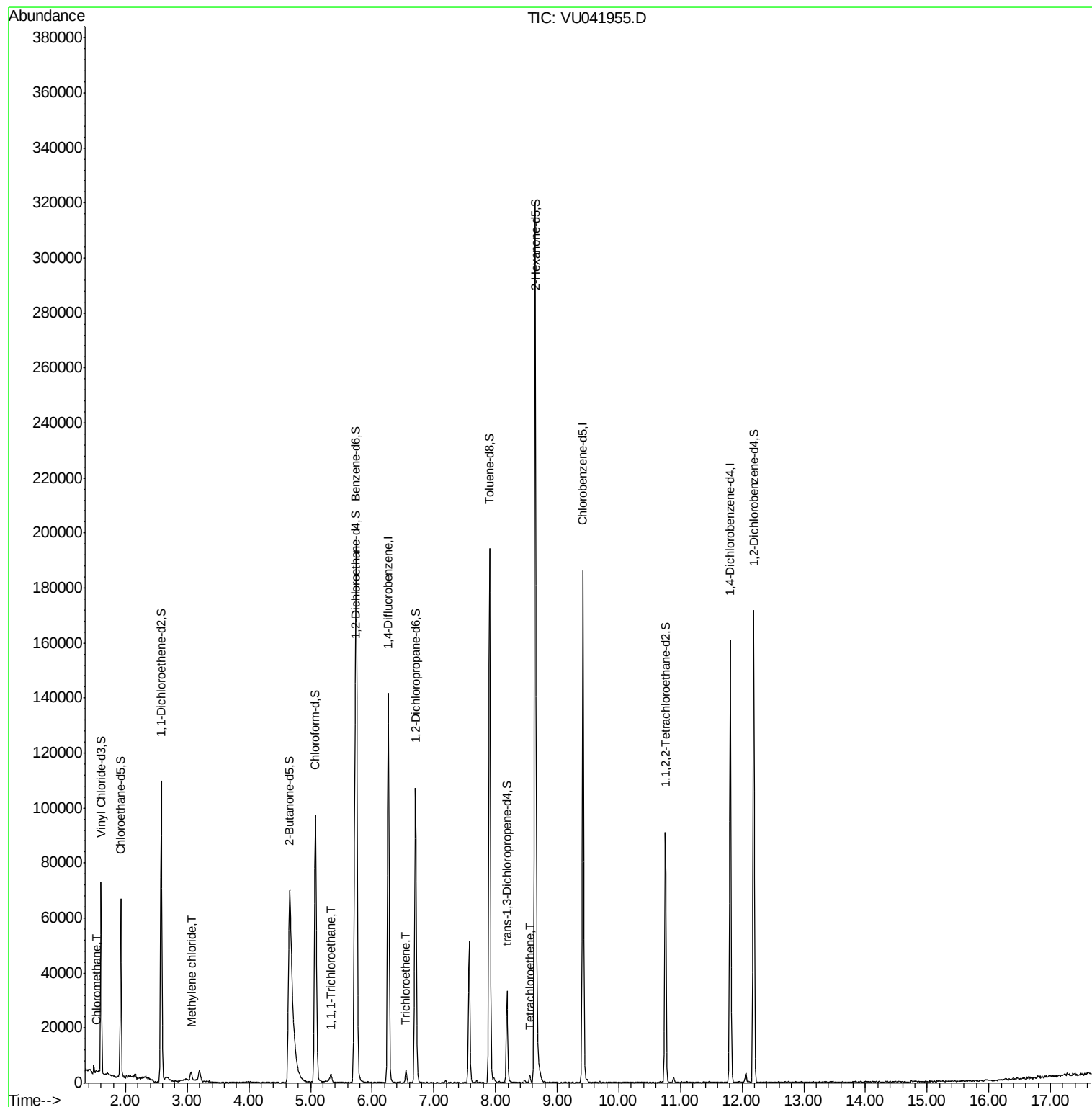
|                           |      |     |      |              | Ovalue |
|---------------------------|------|-----|------|--------------|--------|
| 3) Chloromethane          | 1.52 | 50  | 750  | 0.064 ug/L   | 85     |
| 16) Methylene chloride    | 3.07 | 84  | 1515 | 0.139 ug/L   | 96     |
| 29) 1,1,1-Trichloroethane | 5.33 | 97  | 2447 | 0.181 ug/L # | 89     |
| 34) Trichloroethene       | 6.55 | 95  | 1439 | 0.165 ug/L   | 84     |
| 47) Tetrachloroethene     | 8.55 | 164 | 708  | 0.116 ug/L   | 93     |

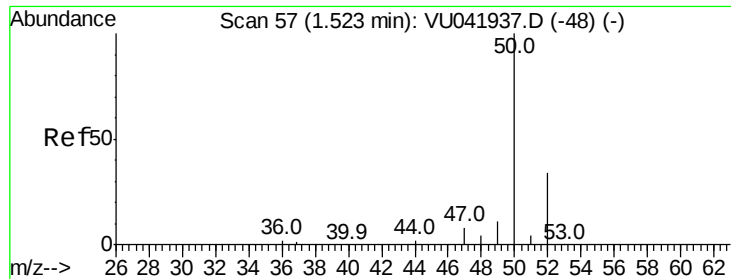
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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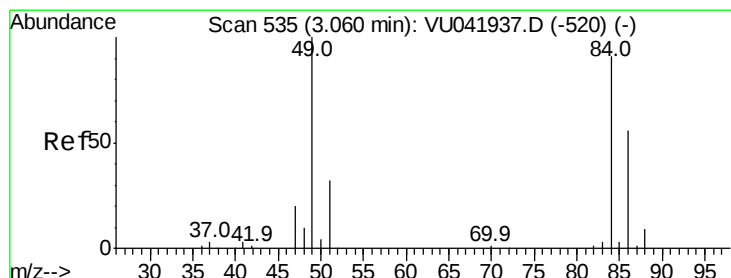
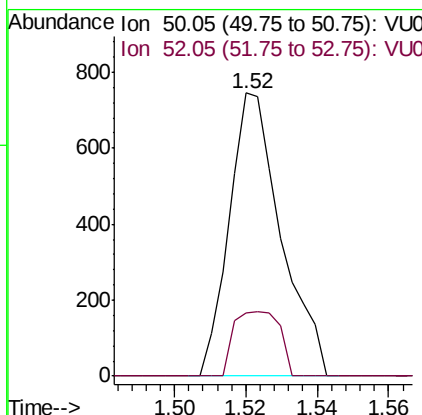
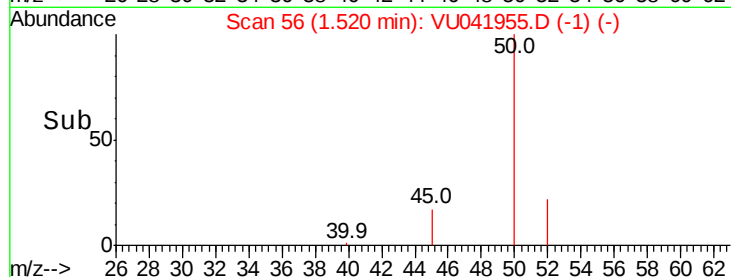
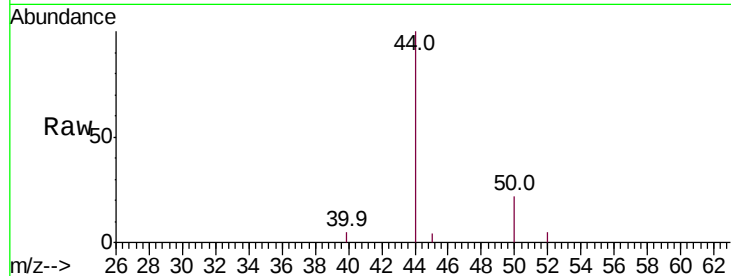




#3  
 Chloromethane  
 Concen: 0.064 ug/L  
 RT: 1.52 min Scan# 56  
 Delta R.T. -0.00 min  
 Lab File: VU041955.D  
 Acq: 12 Jan 2021 05:23

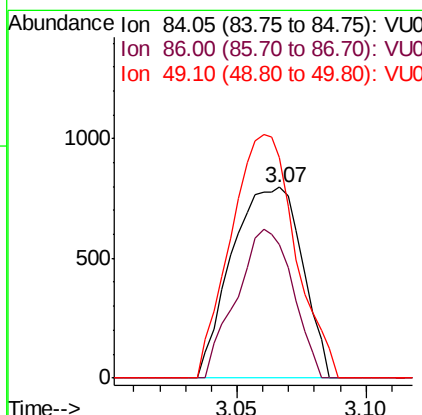
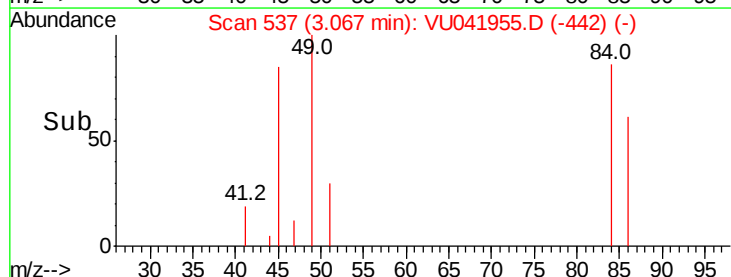
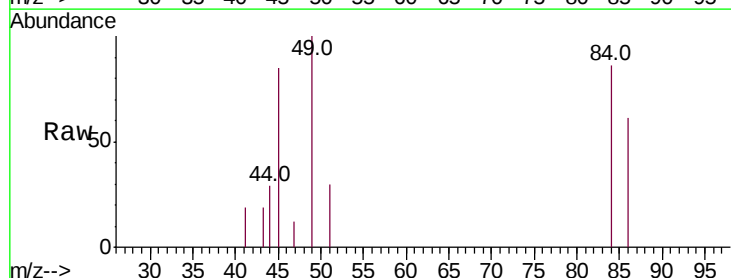
Instrument :  
 MSVOA\_U  
 ClientSampleId :  
 BFXN6

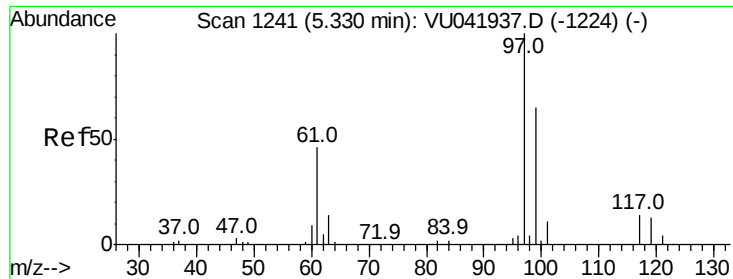
Tot Ion: 50 Resp: 750  
 Ion Ratio Lower Upper  
 50 100  
 52 22.3 21.4 39.8



#16  
 Methylene chloride  
 Concen: 0.139 ug/L  
 RT: 3.07 min Scan# 537  
 Delta R.T. 0.01 min  
 Lab File: VU041955.D  
 Acq: 12 Jan 2021 05:23

Tgt Ion: 84 Resp: 1515  
 Ion Ratio Lower Upper  
 84 100  
 86 70.2 43.5 80.7  
 49 115.8 81.8 151.8

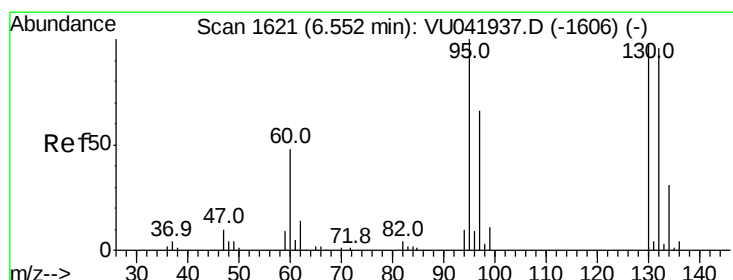
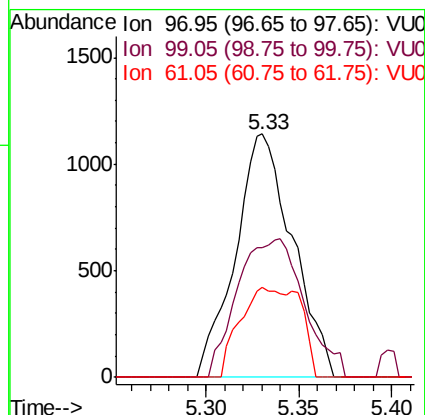
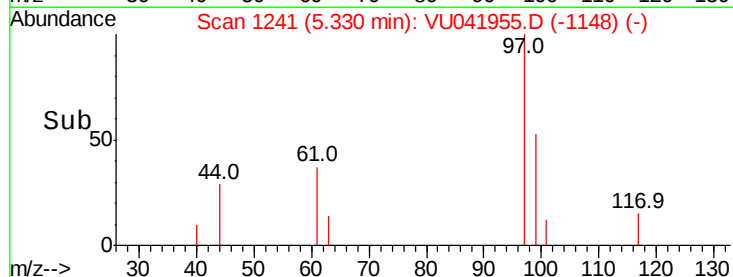
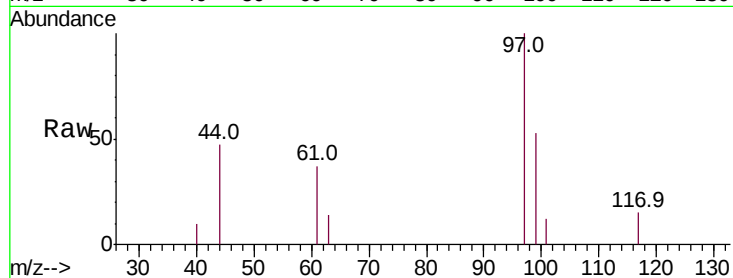




#29  
1,1,1-Trichloroethane  
Concen: 0.181 ug/L  
RT: 5.33 min Scan# 1241  
Delta R.T. -0.00 min  
Lab File: VU041955.D  
Acq: 12 Jan 2021 05:23

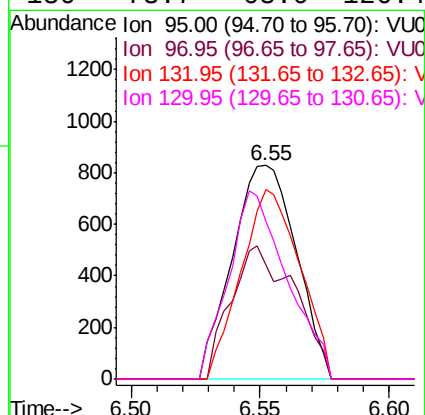
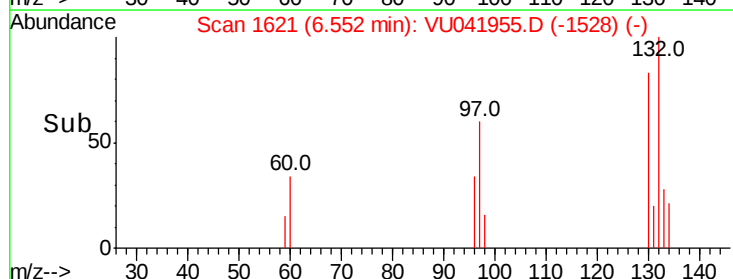
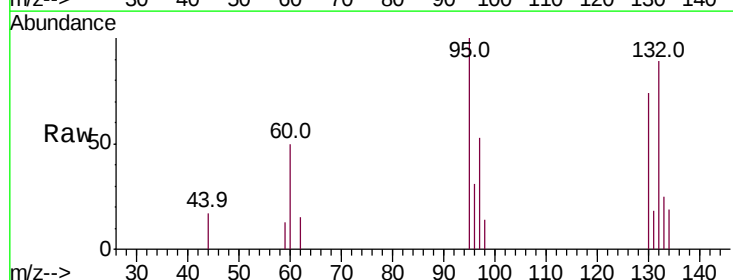
Instrument :  
MSVOA\_U  
ClientSampled :  
BFXN6

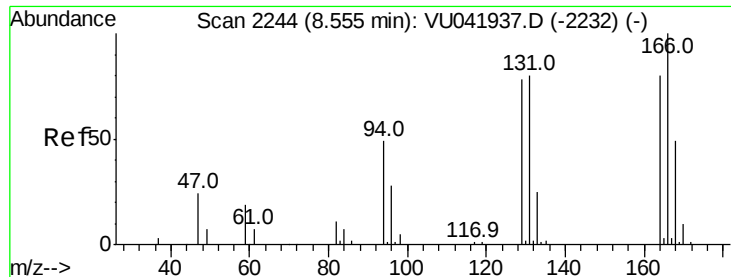
Tot Ion: 97 Resp: 2447  
Ion Ratio Lower Upper  
97 100  
99 66.6 51.4 77.2  
61 29.0 35.3 52.9#



#34  
Trichloroethene  
Concen: 0.165 ug/L  
RT: 6.55 min Scan# 1621  
Delta R.T. -0.00 min  
Lab File: VU041955.D  
Acq: 12 Jan 2021 05:23

Tgt Ion: 95 Resp: 1439  
Ion Ratio Lower Upper  
95 100  
97 53.1 45.2 84.0  
132 88.5 68.7 127.5  
130 73.7 68.0 126.4





#47

Tetrachloroethene

Concen: 0.116 ug/L

RT: 8.55 min Scan# 2243

Delta R.T. -0.00 min

Lab File: VU041955.D

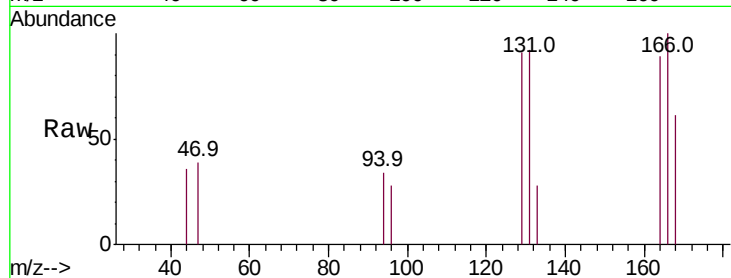
Acq: 12 Jan 2021 05:23

Instrument :

MSVOA\_U

ClientSampleId :

BFXN6



Tot Ion:164 Resp: 708

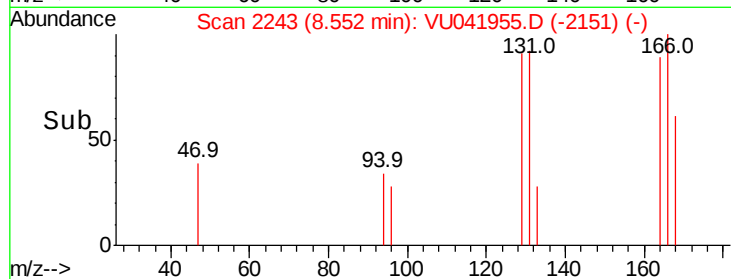
Ion Ratio Lower Upper

164 100

129 102.4 69.2 128.6

131 103.3 69.7 129.5

166 112.0 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

