

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\U121119\  
 Data File : VU036142.D  
 Acq On : 11 Dec 2019 19:23  
 Operator : JC/MD  
 Sample : K6214-02RE  
 Misc : 25.0mL/MSVOA U/WATER  
 ALS Vial : 24 Sample Multiplier: 1

Instrument :  
 MSVOA\_U  
 ClientSampleId :  
 BD804RE

Quant Time: Dec 12 08:02:00 2019  
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_U\METHOD\SOMUTR120919WMA.M  
 Quant Title : TRACE VOA SOM01.0  
 QLast Update : Thu Dec 12 06:08:55 2019  
 Response via : Initial Calibration

| Internal Standards         | R.T.  | QIon | Response | Conc | Units | Dev(Min) |
|----------------------------|-------|------|----------|------|-------|----------|
| 1) 1,4-Difluorobenzene     | 6.29  | 114  | 284942   | 5.00 | ug/L  | 0.00     |
| 28) Chlorobenzene-d5       | 9.45  | 117  | 309229   | 5.00 | ug/L  | 0.00     |
| 60) 1,4-Dichlorobenzene-d4 | 11.84 | 152  | 80048    | 5.00 | ug/L  | 0.00     |

## System Monitoring Compounds

|                                |        |       |          |          |      |         |
|--------------------------------|--------|-------|----------|----------|------|---------|
| 4) Vinyl Chloride-d3           | 1.61   | 65    | 119471   | 4.70     | ug/L | 0.00    |
| Spiked Amount                  | 5.000  | Range | 40 - 130 | Recovery | =    | 94.00%  |
| 7) Chloroethane-d5             | 1.92   | 69    | 119569   | 4.48     | ug/L | 0.00    |
| Spiked Amount                  | 5.000  | Range | 65 - 130 | Recovery | =    | 89.60%  |
| 11) 1,1-Dichloroethene-d2      | 2.59   | 63    | 131956   | 2.84     | ug/L | 0.00    |
| Spiked Amount                  | 5.000  | Range | 60 - 125 | Recovery | =    | 56.80%# |
| 20) 2-Butanone-d5              | 4.68   | 46    | 269478   | 62.27    | ug/L | -0.01   |
| Spiked Amount                  | 50.000 | Range | 40 - 130 | Recovery | =    | 124.54% |
| 24) Chloroform-d               | 5.11   | 84    | 206280   | 5.00     | ug/L | 0.00    |
| Spiked Amount                  | 5.000  | Range | 70 - 125 | Recovery | =    | 100.00% |
| 26) 1,2-Dichloroethane-d4      | 5.75   | 65    | 106903   | 5.01     | ug/L | 0.00    |
| Spiked Amount                  | 5.000  | Range | 70 - 130 | Recovery | =    | 100.20% |
| 32) Benzene-d6                 | 5.77   | 84    | 384317   | 4.91     | ug/L | 0.00    |
| Spiked Amount                  | 5.000  | Range | 70 - 125 | Recovery | =    | 98.20%  |
| 36) 1,2-Dichloropropane-d6     | 6.73   | 67    | 126894   | 5.38     | ug/L | 0.00    |
| Spiked Amount                  | 5.000  | Range | 60 - 140 | Recovery | =    | 107.60% |
| 41) Toluene-d8                 | 7.93   | 98    | 302658   | 4.19     | ug/L | 0.00    |
| Spiked Amount                  | 5.000  | Range | 70 - 130 | Recovery | =    | 83.80%  |
| 43) trans-1,3-Dichloropropene- | 8.21   | 79    | 44710    | 4.55     | ug/L | 0.00    |
| Spiked Amount                  | 5.000  | Range | 55 - 130 | Recovery | =    | 91.00%  |
| 46) 2-Hexanone-d5              | 8.67   | 63    | 198123   | 55.66    | ug/L | 0.00    |
| Spiked Amount                  | 50.000 | Range | 45 - 130 | Recovery | =    | 111.32% |
| 57) 1,1,2,2-Tetrachloroethane- | 10.78  | 84    | 116709   | 5.37     | ug/L | 0.00    |
| Spiked Amount                  | 5.000  | Range | 65 - 120 | Recovery | =    | 107.40% |
| 64) 1,2-Dichlorobenzene-d4     | 12.22  | 152   | 79465    | 5.16     | ug/L | 0.00    |
| Spiked Amount                  | 5.000  | Range | 80 - 120 | Recovery | =    | 103.20% |

## Target Compounds

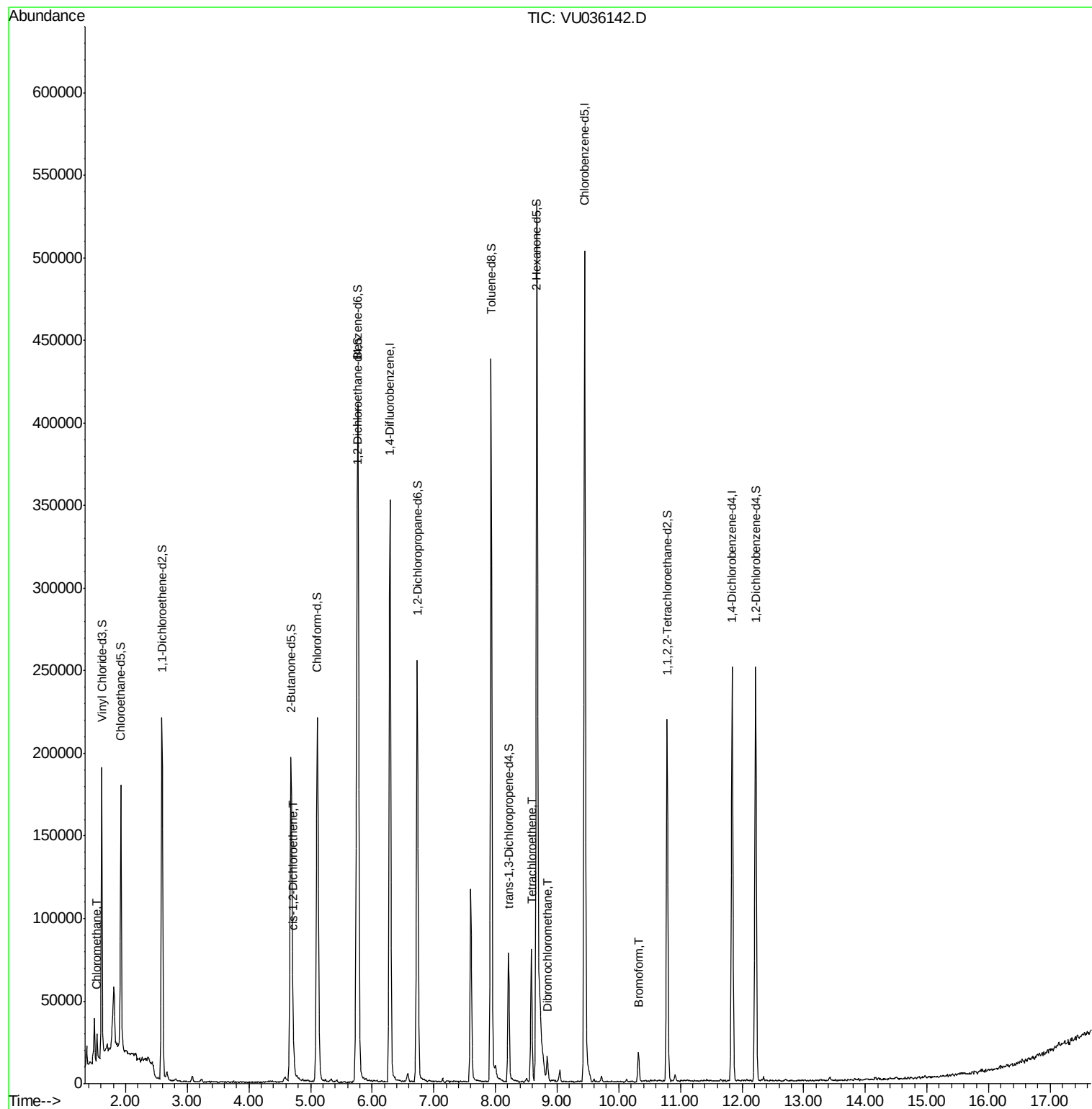
|                            |       |     |       |            | Ovalue |
|----------------------------|-------|-----|-------|------------|--------|
| 3) Chloromethane           | 1.54  | 50  | 13202 | 0.483 ug/L | 93     |
| 22) cis-1,2-Dichloroethene | 4.72  | 96  | 7335  | 0.330 ug/L | 89     |
| 47) Tetrachloroethene      | 8.58  | 164 | 18629 | 0.873 ug/L | 89     |
| 49) Dibromochloromethane   | 8.84  | 129 | 7147  | 0.323 ug/L | 99     |
| 61) Bromoform              | 10.32 | 173 | 8871  | 1.114 ug/L | 98     |

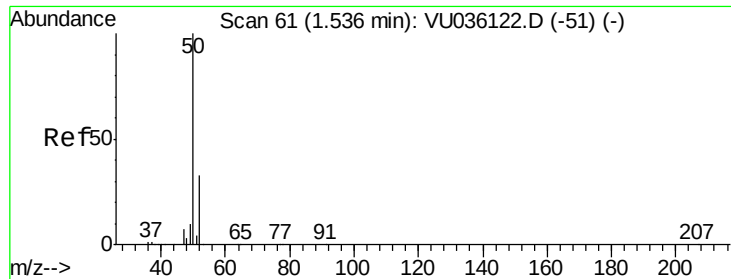
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#3

Chloromethane

Concen: 0.483 ug/L

RT: 1.54 min Scan# 61

Delta R.T. -0.00 min

Lab File: VU036142.D

Acq: 11 Dec 2019 19:23

Instrument :

MSVOA\_U

ClientSampleId :

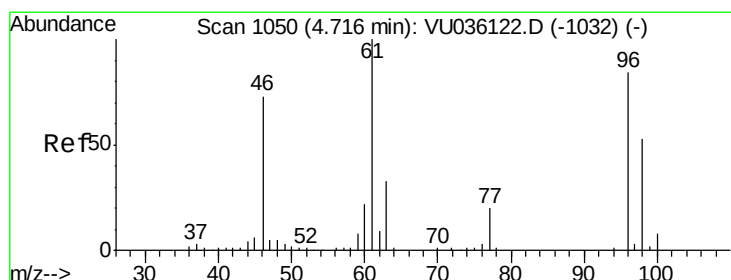
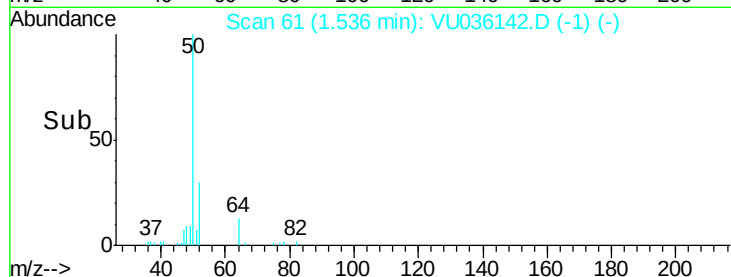
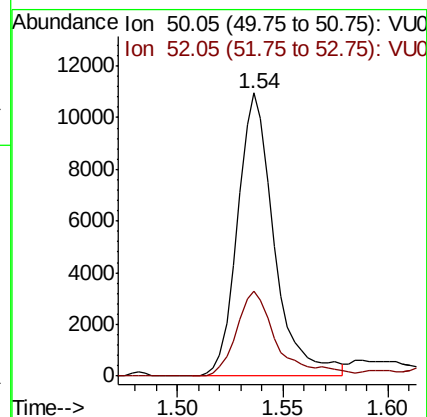
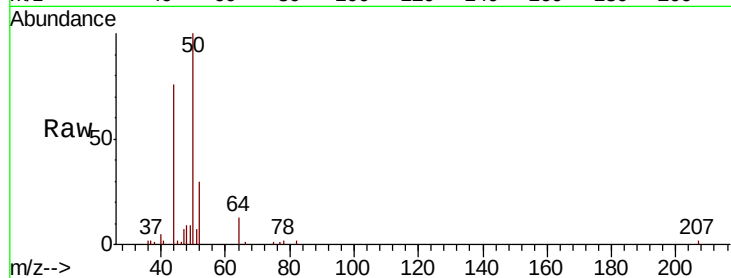
BD804RE

Tot Ion: 50 Resp: 13202

Ion Ratio Lower Upper

50 100

52 30.0 23.6 43.8



#22

cis-1,2-Dichloroethene

Concen: 0.330 ug/L

RT: 4.72 min Scan# 1051

Delta R.T. 0.00 min

Lab File: VU036142.D

Acq: 11 Dec 2019 19:23

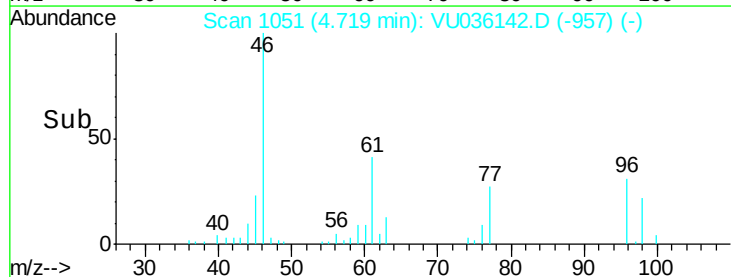
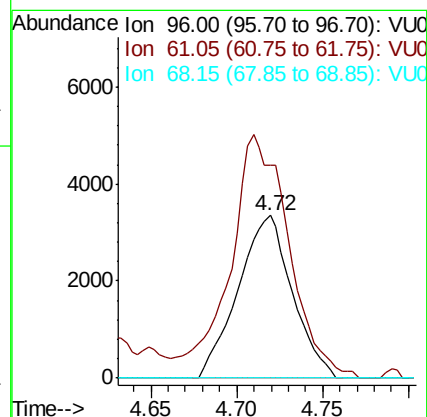
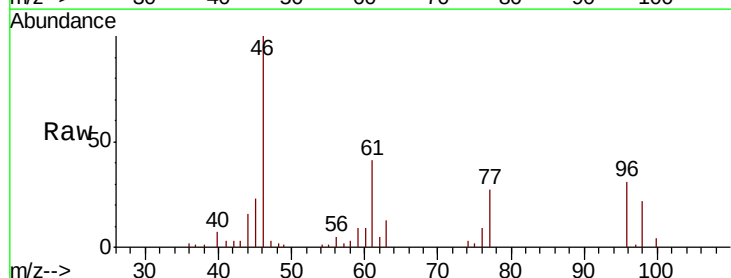
Tgt Ion: 96 Resp: 7335

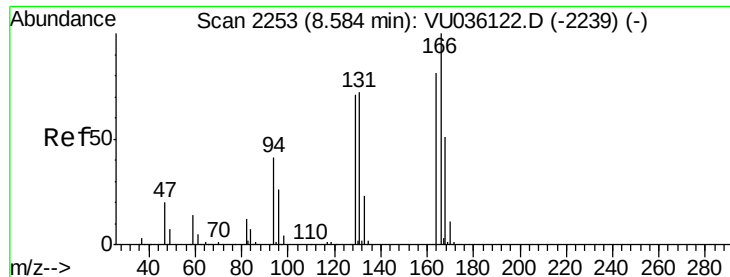
Ion Ratio Lower Upper

96 100

61 130.5 83.0 154.2

68 0.0 0.0 0.0





#47

Tetrachloroethene

Concen: 0.873 ug/L

RT: 8.58 min Scan# 2253

Delta R.T. -0.00 min

Lab File: VU036142.D

Acq: 11 Dec 2019 19:23

Instrument :

MSVOA\_U

ClientSampleId :

BD804RE

Tot Ion:164 Resp: 18629

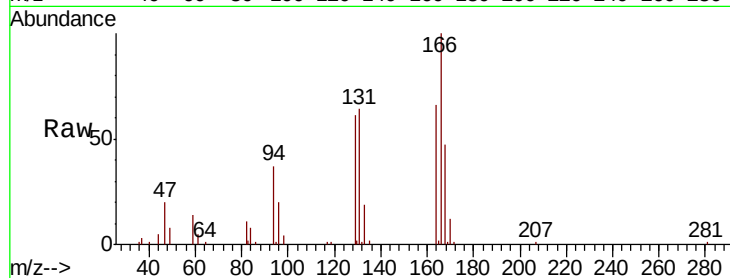
Ion Ratio Lower Upper

164 100

129 92.4 63.1 117.3

131 97.0 61.5 114.1

166 151.5 91.0 169.0

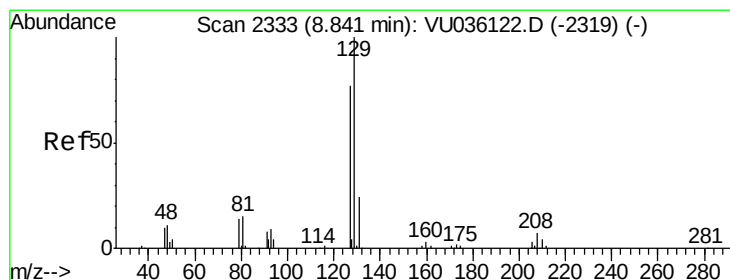
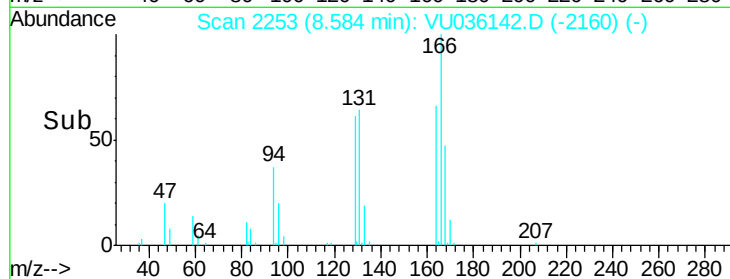
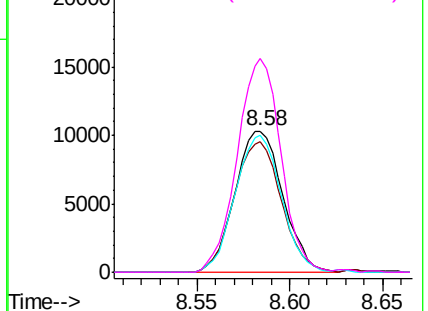


Abundance Ion 163.90 (163.60 to 164.60): V

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



#49

Dibromochloromethane

Concen: 0.323 ug/L

RT: 8.84 min Scan# 2333

Delta R.T. -0.00 min

Lab File: VU036142.D

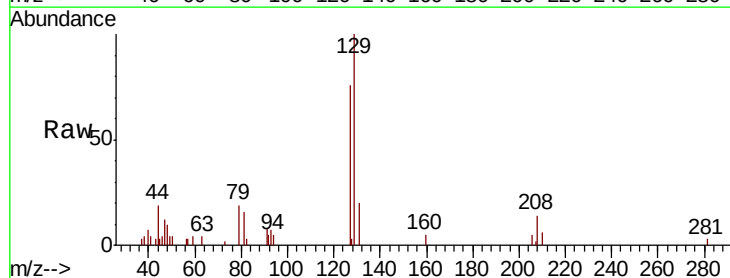
Acq: 11 Dec 2019 19:23

Tgt Ion:129 Resp: 7147

Ion Ratio Lower Upper

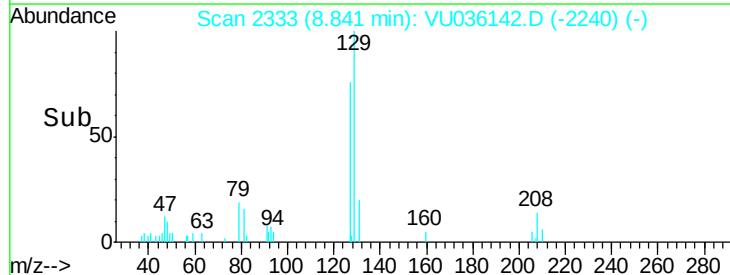
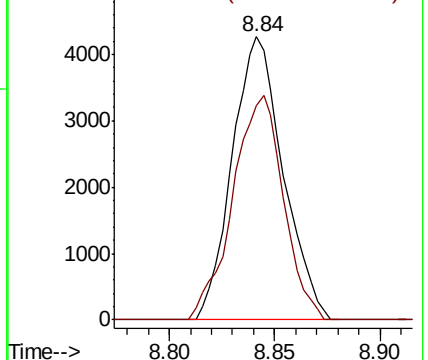
129 100

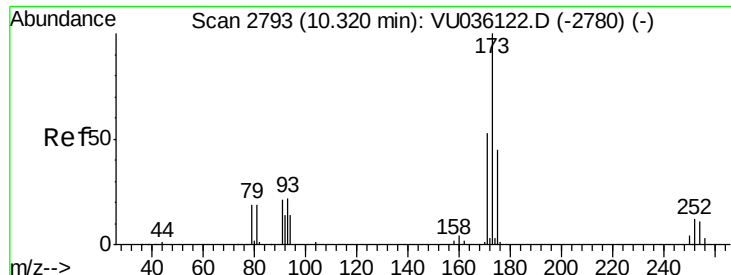
127 75.6 52.5 97.5



Abundance Ion 128.95 (128.65 to 129.65): V

Ion 126.90 (126.60 to 127.60): V





#61

Bromoform

Concen: 1.114 ug/L

RT: 10.32 min Scan# 2792

Delta R.T. -0.00 min

Lab File: VU036142.D

Acq: 11 Dec 2019 19:23

Instrument :

MSVOA\_U

ClientSampleId :

BD804RE

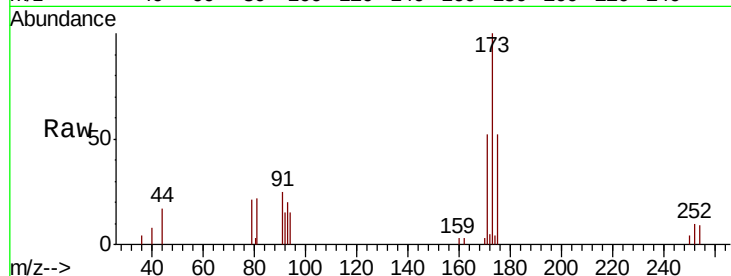
Tot Ion:173 Resp: 8871

Ion Ratio Lower Upper

173 100

175 48.0 39.4 59.0

254 10.1 8.1 12.1



Abundance Ion 172.90 (172.60 to 173.60): V

Ion 174.90 (174.60 to 175.60): V

Ion 253.75 (253.45 to 254.45): V

