

Data Path : Z:\VOASRV\HPCHEM1\MSVOA V\DATA\VV012020\  
 Data File : VV014358.D  
 Acq On : 20 Jan 2020 15:31  
 Operator : SY/MD  
 Sample : L1194-01  
 Misc : 25.0mL/MSVOA V/WATER  
 ALS Vial : 12 Sample Multiplier: 1

Instrument :  
 MSVOA\_V  
 ClientSampleId :  
 C0AC0

Quant Time: Jan 20 16:04:47 2020  
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_V\METHOD\SOMVTR010220WMA.M  
 Quant Title : TRACE VOA SOM01.0  
 QLast Update : Fri Jan 17 22:51:36 2020  
 Response via : Initial Calibration

| Internal Standards         | R.T.  | QIon | Response | Conc | Units | Dev(Min) |
|----------------------------|-------|------|----------|------|-------|----------|
| 1) 1,4-Difluorobenzene     | 5.66  | 114  | 792462   | 5.00 | ug/L  | 0.00     |
| 28) Chlorobenzene-d5       | 8.89  | 117  | 716882   | 5.00 | ug/L  | 0.00     |
| 60) 1,4-Dichlorobenzene-d4 | 11.29 | 152  | 331190   | 5.00 | ug/L  | 0.00     |

## System Monitoring Compounds

|                                |        |       |          |          |      |         |
|--------------------------------|--------|-------|----------|----------|------|---------|
| 4) Vinyl Chloride-d3           | 1.32   | 65    | 1523     | 0.03     | ug/L | 0.00    |
| Spiked Amount                  | 5.000  | Range | 40 - 130 | Recovery | =    | 0.60%#  |
| 7) Chloroethane-d5             | 1.59   | 69    | 209814   | 4.90     | ug/L | 0.00    |
| Spiked Amount                  | 5.000  | Range | 65 - 130 | Recovery | =    | 98.00%  |
| 11) 1,1-Dichloroethene-d2      | 2.13   | 63    | 211284   | 2.58     | ug/L | 0.00    |
| Spiked Amount                  | 5.000  | Range | 60 - 125 | Recovery | =    | 51.60%# |
| 20) 2-Butanone-d5              | 3.93   | 46    | 729575   | 54.77    | ug/L | -0.01   |
| Spiked Amount                  | 50.000 | Range | 40 - 130 | Recovery | =    | 109.54% |
| 24) Chloroform-d               | 4.40   | 84    | 511210   | 4.77     | ug/L | 0.00    |
| Spiked Amount                  | 5.000  | Range | 70 - 125 | Recovery | =    | 95.40%  |
| 26) 1,2-Dichloroethane-d4      | 5.08   | 65    | 265703   | 4.95     | ug/L | 0.00    |
| Spiked Amount                  | 5.000  | Range | 70 - 130 | Recovery | =    | 99.00%  |
| 32) Benzene-d6                 | 5.10   | 84    | 1079159  | 5.04     | ug/L | 0.00    |
| Spiked Amount                  | 5.000  | Range | 70 - 125 | Recovery | =    | 100.80% |
| 36) 1,2-Dichloropropane-d6     | 6.12   | 67    | 344095   | 5.19     | ug/L | 0.00    |
| Spiked Amount                  | 5.000  | Range | 60 - 140 | Recovery | =    | 103.80% |
| 41) Toluene-d8                 | 7.36   | 98    | 655924   | 3.36     | ug/L | 0.00    |
| Spiked Amount                  | 5.000  | Range | 70 - 130 | Recovery | =    | 67.20%# |
| 43) trans-1,3-Dichloropropene- | 7.66   | 79    | 118459   | 4.04     | ug/L | 0.00    |
| Spiked Amount                  | 5.000  | Range | 55 - 130 | Recovery | =    | 80.80%  |
| 46) 2-Hexanone-d5              | 8.13   | 63    | 663786   | 53.43    | ug/L | 0.00    |
| Spiked Amount                  | 50.000 | Range | 45 - 130 | Recovery | =    | 106.86% |
| 57) 1,1,2,2-Tetrachloroethane- | 10.26  | 84    | 245764   | 5.30     | ug/L | 0.00    |
| Spiked Amount                  | 5.000  | Range | 65 - 120 | Recovery | =    | 106.00% |
| 64) 1,2-Dichlorobenzene-d4     | 11.67  | 152   | 318864   | 5.13     | ug/L | 0.00    |
| Spiked Amount                  | 5.000  | Range | 80 - 120 | Recovery | =    | 102.60% |

## Target Compounds

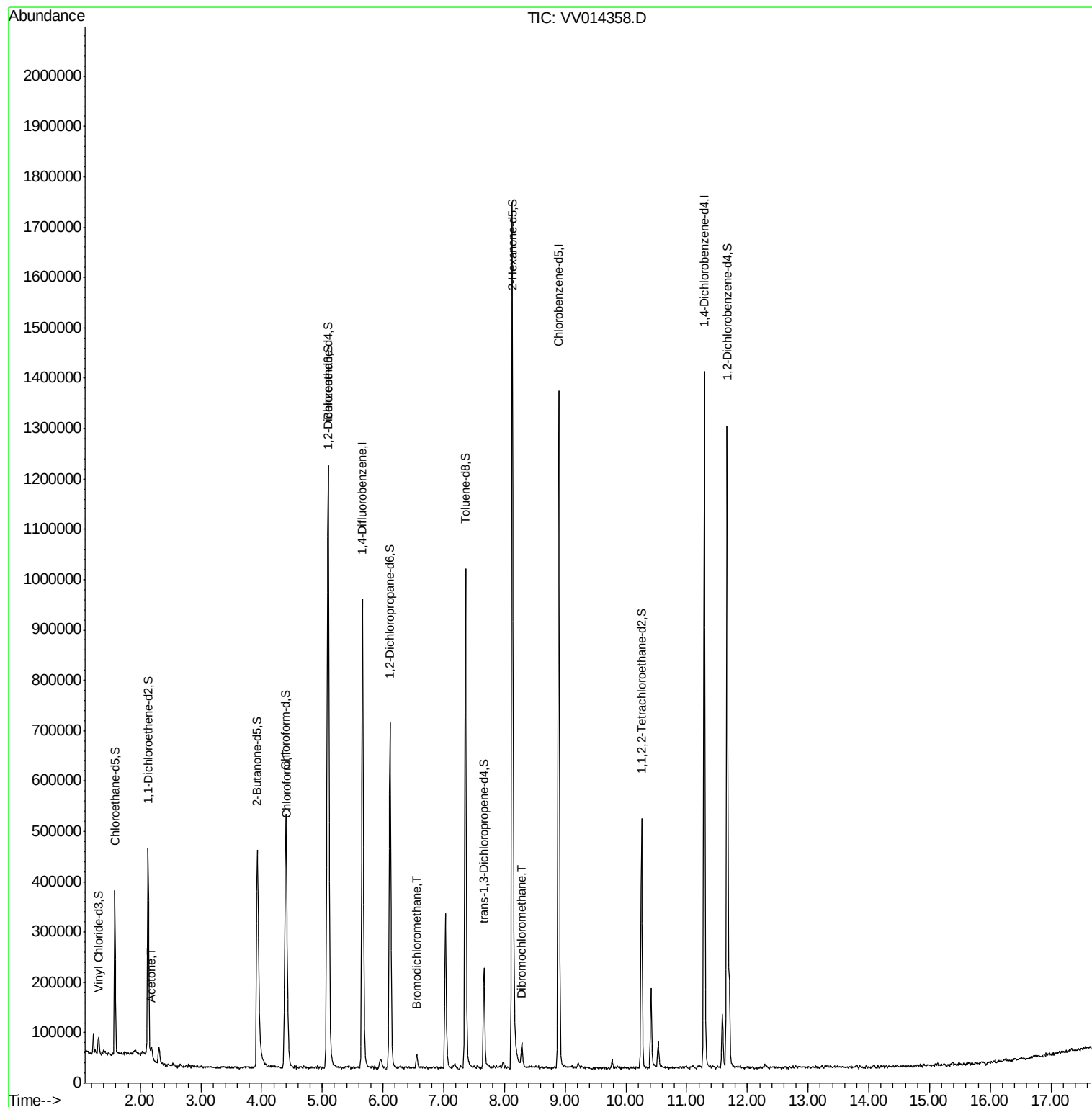
|                          |      |     |       |              | Ovalue |
|--------------------------|------|-----|-------|--------------|--------|
| 13) Acetone              | 2.19 | 43  | 12098 | 1.319 ug/L   | 99     |
| 25) Chloroform           | 4.42 | 83  | 64361 | 0.644 ug/L   | 97     |
| 38) Bromodichloromethane | 6.56 | 83  | 19486 | 0.271 ug/L # | 89     |
| 49) Dibromochloromethane | 8.29 | 129 | 20327 | 0.452 ug/L   | 96     |

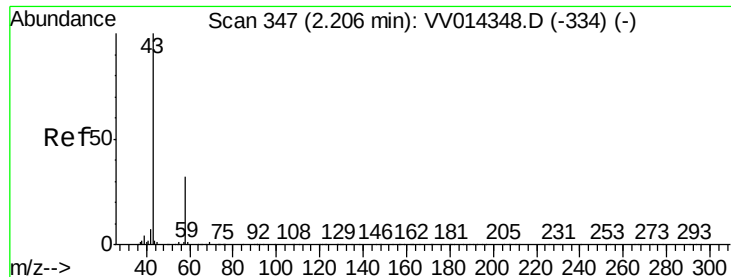
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA V\DATA\VV012020\  
Data File : VV014358.D  
Acq On : 20 Jan 2020 15:31  
Operator : SY/MD  
Sample : L1194-01  
Misc : 25.0mL/MSVOA V/WATER  
ALS Vial : 12 Sample Multiplier: 1

Instrument :  
MSVOA\_V  
ClientSampleId :  
C0AC0

Quant Time: Jan 20 16:04:47 2020  
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA\_V\METHOD\SOMVTR010220WMA.M  
Quant Title : TRACE VOA SOM01.0  
QLast Update : Fri Jan 17 22:51:36 2020  
Response via : Initial Calibration





#13

Acetone

Concen: 1.319 ug/L

RT: 2.19 min Scan# 342

Delta R.T. -0.02 min

Lab File: VV014358.D

Acq: 20 Jan 2020 15:31

Instrument :

MSVOA\_V

ClientSampleId :

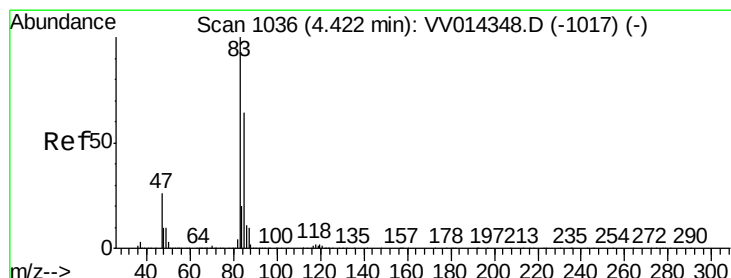
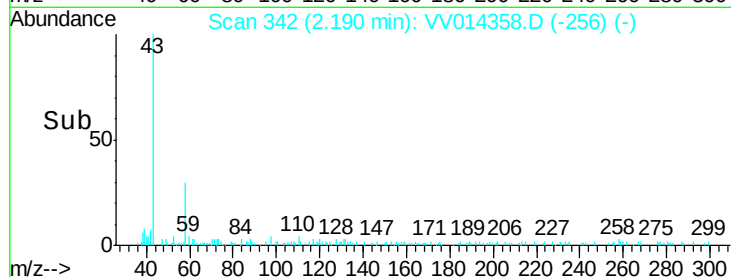
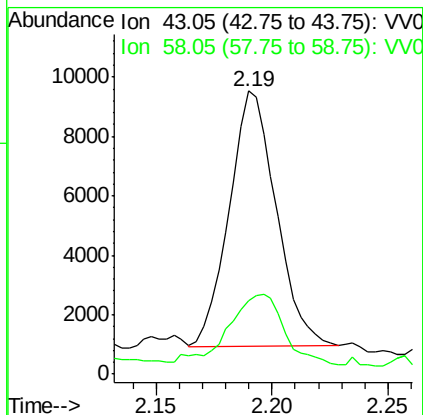
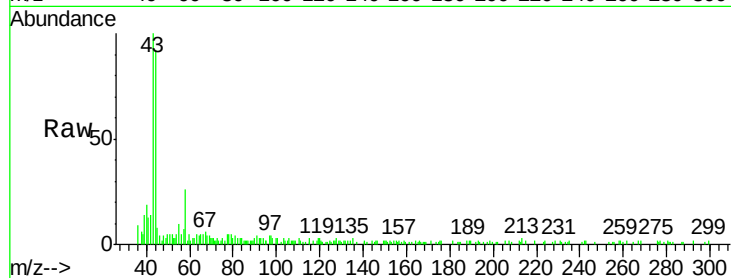
C0AC0

Tot Ion: 43 Resp: 12098

Ion Ratio Lower Upper

43 100

58 33.6 0.0 66.0



#25

Chloroform

Concen: 0.644 ug/L

RT: 4.42 min Scan# 1036

Delta R.T. -0.00 min

Lab File: VV014358.D

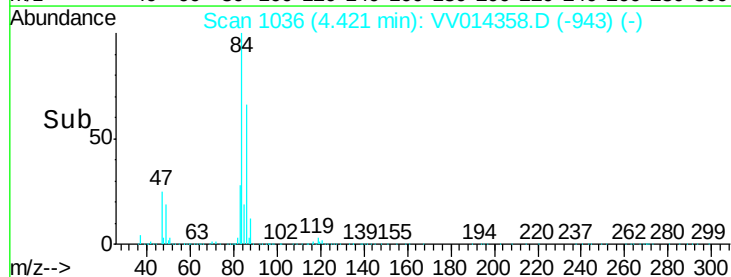
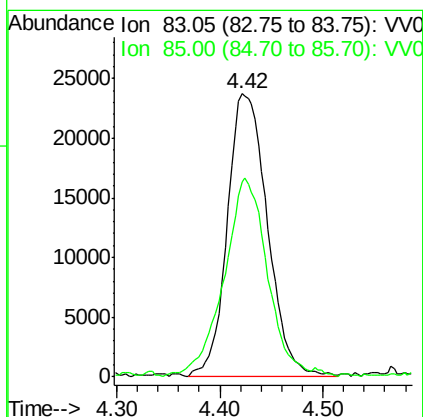
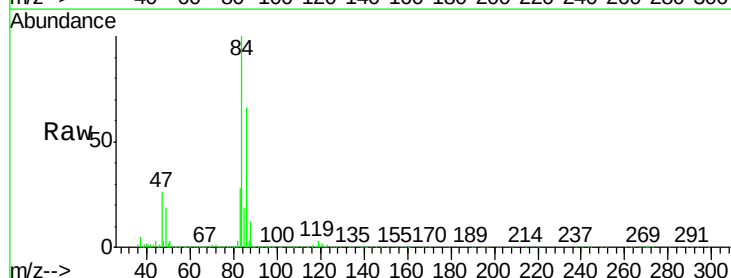
Acq: 20 Jan 2020 15:31

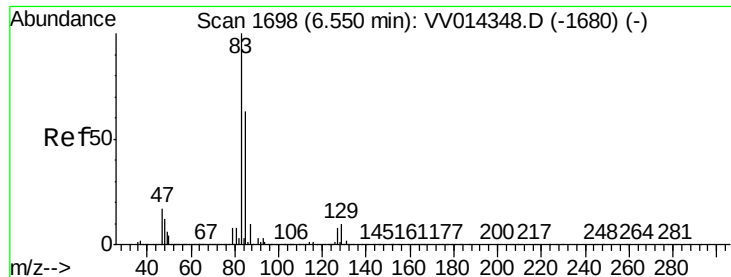
Tgt Ion: 83 Resp: 64361

Ion Ratio Lower Upper

83 100

85 68.7 46.2 85.8





#38

Bromodichloromethane

Concen: 0.271 ug/L

RT: 6.56 min Scan# 1700

Delta R.T. 0.01 min

Lab File: VV014358.D

Acq: 20 Jan 2020 15:31

Instrument :

MSVOA\_V

ClientSampleId :

C0AC0

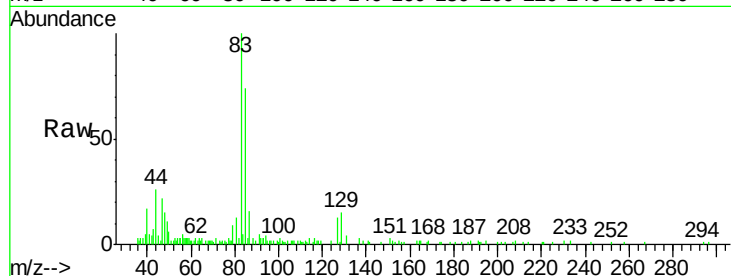
Tot Ion: 83 Resp: 19486

Ion Ratio Lower Upper

83 100

85 74.4 46.4 86.2

127 12.9 6.3 9.5#

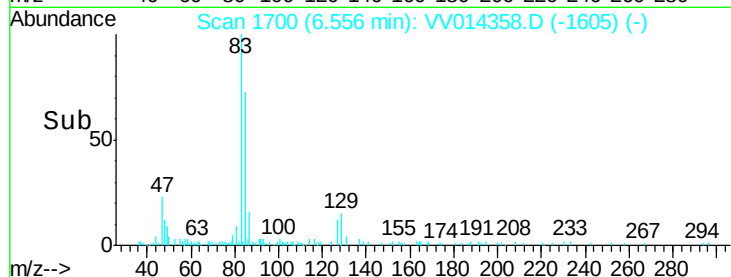


Abundance Ion 82.95 (82.65 to 83.65): VV014358.D (-1605) (-)

Ion 85.00 (84.70 to 85.70): VV014358.D (-1605) (-)

Ion 126.90 (126.60 to 127.60): VV014358.D (-1605) (-)

Time-->

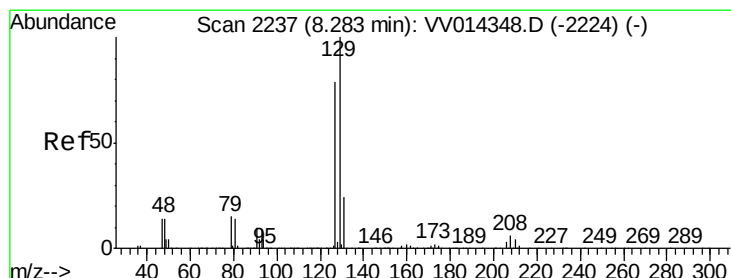


Abundance Ion 82.95 (82.65 to 83.65): VV014358.D (-1605) (-)

Ion 85.00 (84.70 to 85.70): VV014358.D (-1605) (-)

Ion 126.90 (126.60 to 127.60): VV014358.D (-1605) (-)

Time-->



#49

Dibromochloromethane

Concen: 0.452 ug/L

RT: 8.29 min Scan# 2238

Delta R.T. 0.00 min

Lab File: VV014358.D

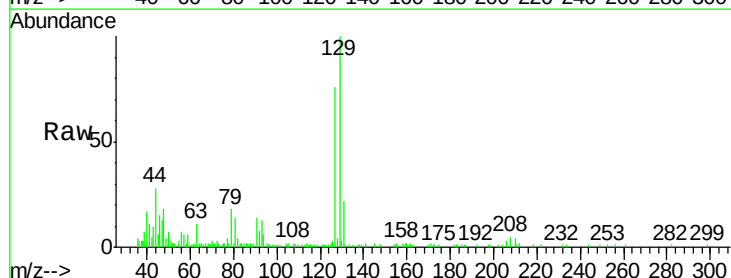
Acq: 20 Jan 2020 15:31

Tgt Ion: 129 Resp: 20327

Ion Ratio Lower Upper

129 100

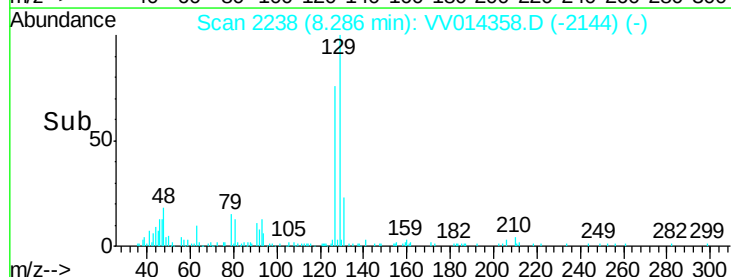
127 76.5 55.7 103.5



Abundance Ion 128.95 (128.65 to 129.65): VV014358.D (-2144) (-)

Ion 126.90 (126.60 to 127.60): VV014358.D (-2144) (-)

Time-->



Abundance Ion 128.95 (128.65 to 129.65): VV014358.D (-2144) (-)

Ion 126.90 (126.60 to 127.60): VV014358.D (-2144) (-)

Time-->