

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU090819\  
 Data File : VU034389.D  
 Acq On : 07 Sep 2019 18:38  
 Operator : JC/SP  
 Sample : K4724-15  
 Misc : 25.0mL/MSVOA U/WATER  
 ALS Vial : 23 Sample Multiplier: 1

Instrument :  
 MSVOA\_U  
 ClientSampleId :  
 BFDB5

Quant Time: Sep 09 05:40:35 2019  
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_U\METHOD\SOMUTR090119WMA.M  
 Quant Title : TRACE VOA SOM01.0  
 QLast Update : Tue Sep 03 14:18:00 2019  
 Response via : Initial Calibration

| Internal Standards         | R.T.  | QIon | Response | Conc | Units | Dev(Min) |
|----------------------------|-------|------|----------|------|-------|----------|
| 1) 1,4-Difluorobenzene     | 5.87  | 114  | 281879   | 5.00 | ug/L  | 0.00     |
| 28) Chlorobenzene-d5       | 9.07  | 117  | 282257   | 5.00 | ug/L  | 0.00     |
| 60) 1,4-Dichlorobenzene-d4 | 11.46 | 152  | 138933   | 5.00 | ug/L  | 0.00     |

## System Monitoring Compounds

|                                |        |       |          |          |      |         |
|--------------------------------|--------|-------|----------|----------|------|---------|
| 4) Vinyl Chloride-d3           | 1.40   | 65    | 73194    | 3.85     | ug/L | 0.00    |
| Spiked Amount                  | 5.000  | Range | 40 - 130 | Recovery | =    | 77.00%  |
| 7) Chloroethane-d5             | 1.68   | 69    | 69987    | 4.60     | ug/L | 0.00    |
| Spiked Amount                  | 5.000  | Range | 65 - 130 | Recovery | =    | 92.00%  |
| 11) 1,1-Dichloroethene-d2      | 2.26   | 63    | 111529   | 3.13     | ug/L | 0.00    |
| Spiked Amount                  | 5.000  | Range | 60 - 125 | Recovery | =    | 62.60%  |
| 20) 2-Butanone-d5              | 4.17   | 46    | 237382   | 54.13    | ug/L | 0.00    |
| Spiked Amount                  | 50.000 | Range | 40 - 130 | Recovery | =    | 108.26% |
| 24) Chloroform-d               | 4.62   | 84    | 159404   | 4.76     | ug/L | 0.00    |
| Spiked Amount                  | 5.000  | Range | 70 - 125 | Recovery | =    | 95.20%  |
| 26) 1,2-Dichloroethane-d4      | 5.29   | 65    | 81056    | 4.90     | ug/L | 0.00    |
| Spiked Amount                  | 5.000  | Range | 70 - 130 | Recovery | =    | 98.00%  |
| 32) Benzene-d6                 | 5.32   | 84    | 341460   | 4.64     | ug/L | 0.00    |
| Spiked Amount                  | 5.000  | Range | 70 - 125 | Recovery | =    | 92.80%  |
| 36) 1,2-Dichloropropane-d6     | 6.31   | 67    | 111521   | 4.88     | ug/L | 0.00    |
| Spiked Amount                  | 5.000  | Range | 60 - 140 | Recovery | =    | 97.60%  |
| 41) Toluene-d8                 | 7.55   | 98    | 303111   | 4.39     | ug/L | 0.00    |
| Spiked Amount                  | 5.000  | Range | 70 - 130 | Recovery | =    | 87.80%  |
| 43) trans-1,3-Dichloropropene- | 7.83   | 79    | 38453    | 4.73     | ug/L | 0.00    |
| Spiked Amount                  | 5.000  | Range | 55 - 130 | Recovery | =    | 94.60%  |
| 46) 2-Hexanone-d5              | 8.30   | 63    | 181254   | 51.46    | ug/L | 0.00    |
| Spiked Amount                  | 50.000 | Range | 45 - 130 | Recovery | =    | 102.92% |
| 57) 1,1,2,2-Tetrachloroethane- | 10.41  | 84    | 89457    | 5.26     | ug/L | 0.00    |
| Spiked Amount                  | 5.000  | Range | 65 - 120 | Recovery | =    | 105.20% |
| 64) 1,2-Dichlorobenzene-d4     | 11.84  | 152   | 127598   | 5.34     | ug/L | 0.00    |
| Spiked Amount                  | 5.000  | Range | 80 - 120 | Recovery | =    | 106.80% |

## Target Compounds

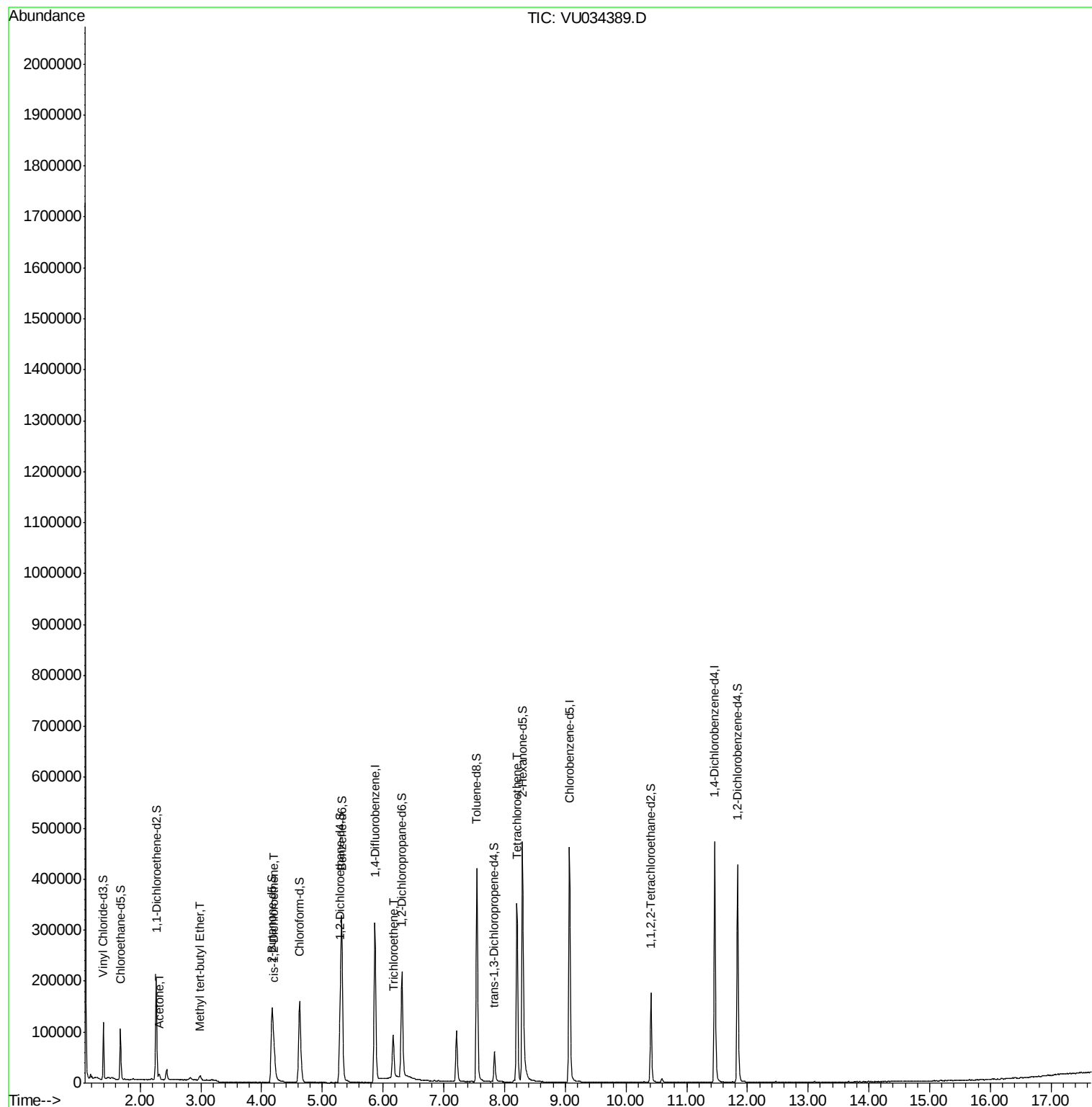
|                             |      |     |       |            | Ovalue |
|-----------------------------|------|-----|-------|------------|--------|
| 13) Acetone                 | 2.31 | 43  | 10245 | 3.489 ug/L | 96     |
| 17) Methyl tert-butyl Ether | 2.99 | 73  | 9129  | 0.209 ug/L | 98     |
| 22) cis-1,2-Dichloroethene  | 4.20 | 96  | 23472 | 1.101 ug/L | 97     |
| 34) Trichloroethene         | 6.17 | 95  | 30469 | 1.385 ug/L | 94     |
| 47) Tetrachloroethene       | 8.21 | 164 | 86477 | 4.782 ug/L | 96     |

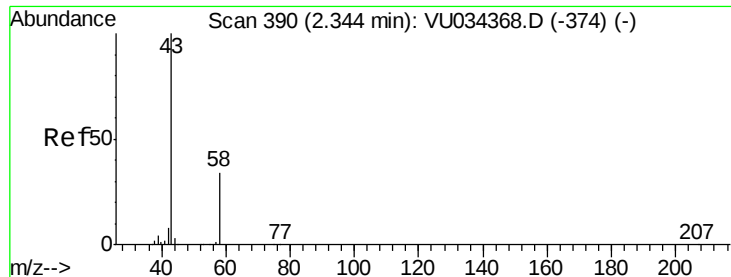
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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QLast Update : Tue Sep 03 14:18:00 2019  
Response via : Initial Calibration





#13

Acetone

Concen: 3.489 ug/L

RT: 2.31 min Scan# 380

Delta R.T. -0.01 min

Lab File: VU034389.D

Acq: 07 Sep 2019 18:38

Instrument :

MSVOA\_U

ClientSampleId :

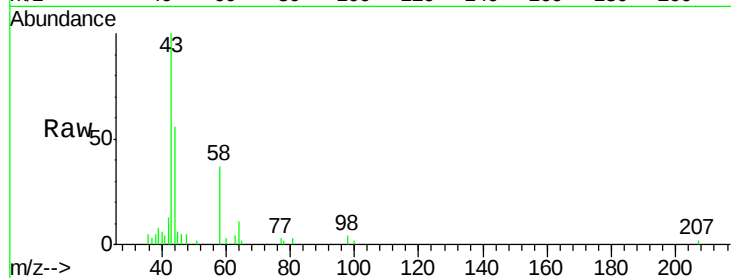
BFDB5

Tot Ion: 43 Resp: 10245

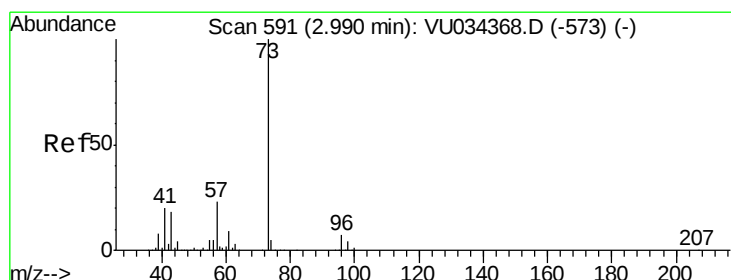
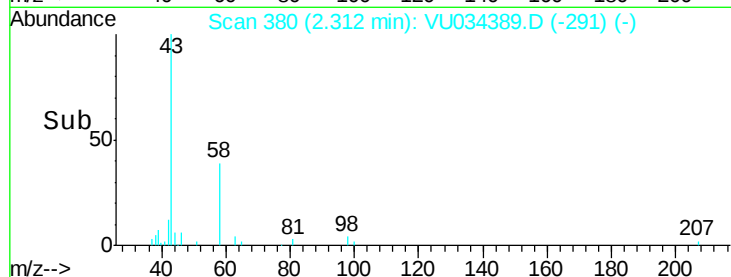
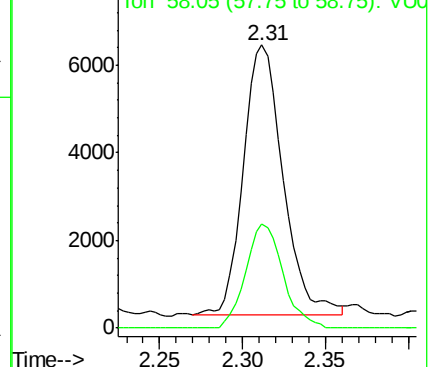
Ion Ratio Lower Upper

43 100

58 36.2 0.0 67.6



Abundance Ion 43.05 (42.75 to 43.75): VU034389.D (-380) (-)



#17

Methyl tert-butyl Ether

Concen: 0.209 ug/L

RT: 2.99 min Scan# 591

Delta R.T. 0.00 min

Lab File: VU034389.D

Acq: 07 Sep 2019 18:38

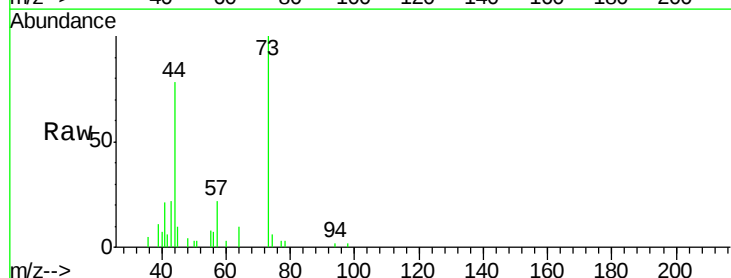
Tgt Ion: 73 Resp: 9129

Ion Ratio Lower Upper

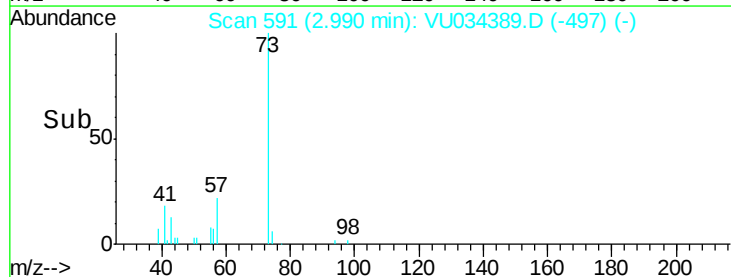
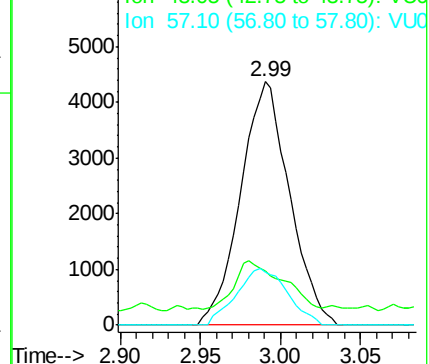
73 100

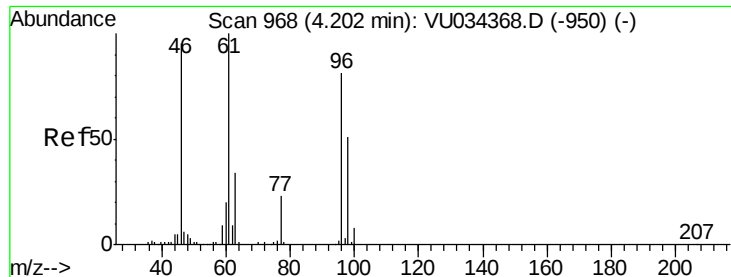
43 19.3 14.7 22.1

57 24.1 18.6 27.8



Abundance Ion 73.10 (72.80 to 73.80): VU034389.D (-591) (-)





#22

cis-1,2-Dichloroethene

Concen: 1.101 ug/L

RT: 4.20 min Scan# 968

Delta R.T. -0.00 min

Lab File: VU034389.D

Acq: 07 Sep 2019 18:38

Instrument :

MSVOA\_U

ClientSampleId :

BFDB5

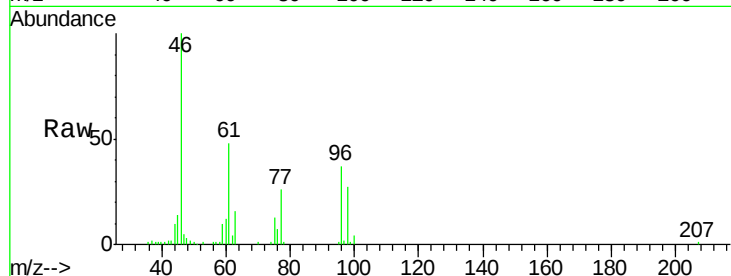
Tot Ion: 96 Resp: 23472

Ion Ratio Lower Upper

96 100

61 129.7 93.6 173.8

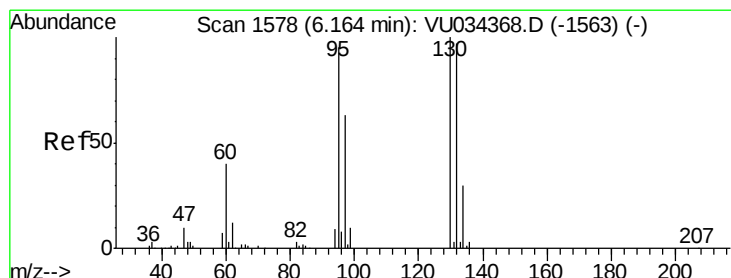
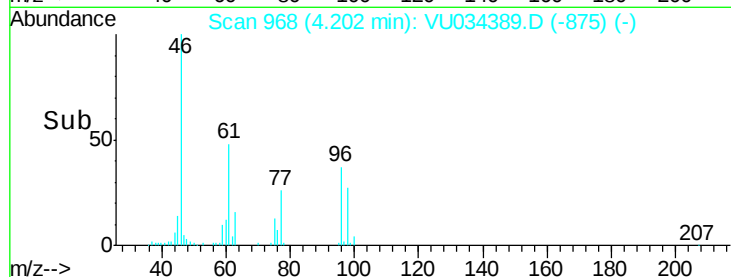
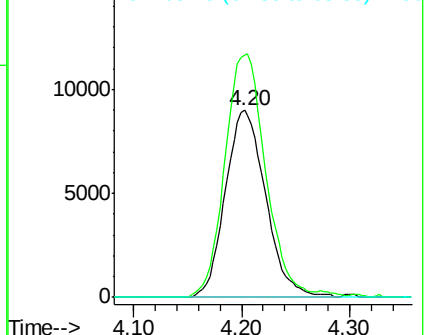
68 0.0 0.0 0.0



Abundance Ion 96.00 (95.70 to 96.70): VU034389.D (-1485) (-)

Ion 61.05 (60.75 to 61.75): VU034389.D (-1485) (-)

Ion 68.15 (67.85 to 68.85): VU034389.D (-1485) (-)



#34

Trichloroethene

Concen: 1.385 ug/L

RT: 6.17 min Scan# 1579

Delta R.T. 0.00 min

Lab File: VU034389.D

Acq: 07 Sep 2019 18:38

Tgt Ion: 95 Resp: 30469

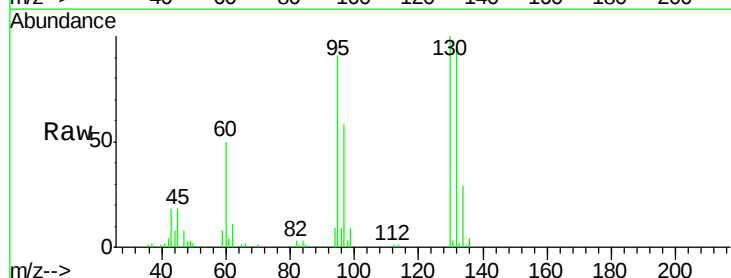
Ion Ratio Lower Upper

95 100

97 63.6 43.3 80.5

132 103.3 68.6 127.4

130 109.8 70.5 130.9

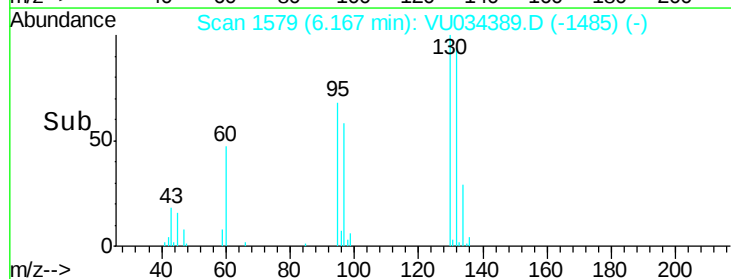
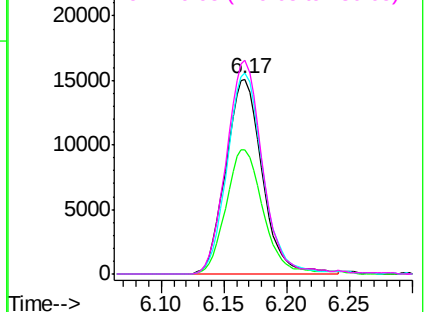


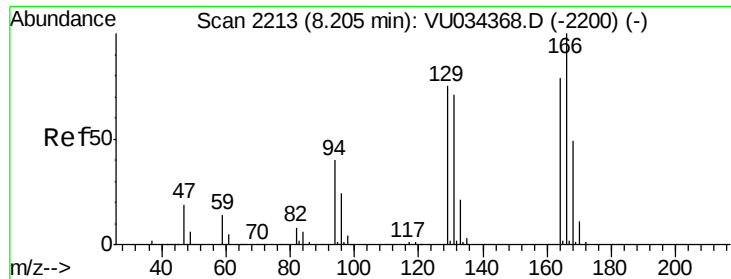
Abundance Ion 95.00 (94.70 to 95.70): VU034389.D (-1485) (-)

Ion 96.95 (96.65 to 97.65): VU034389.D (-1485) (-)

Ion 131.95 (131.65 to 132.65): VU034389.D (-1485) (-)

Ion 129.95 (129.65 to 130.65): VU034389.D (-1485) (-)





#47

Tetrachloroethene

Concen: 4.782 ug/L

RT: 8.21 min Scan# 2213

Delta R.T. -0.00 min

Lab File: VU034389.D

Acq: 07 Sep 2019 18:38

Instrument :  
MSVOA\_U  
ClientSampleId :  
BFDB5

Tot Ion:164 Resp: 86477

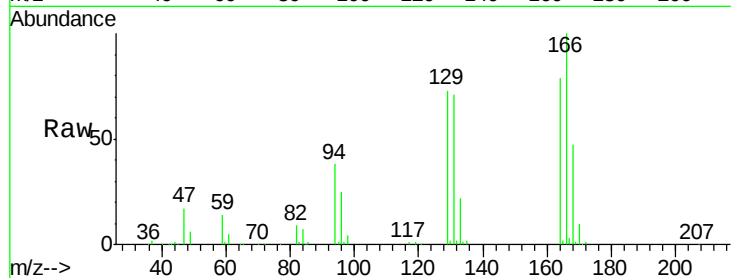
Ion Ratio Lower Upper

164 100

129 92.3 68.0 126.2

131 89.8 64.6 120.0

166 126.8 92.0 170.8



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

