

Data Path : Z:\VOASRV\HPCHEM1\MSVOA\_W\DATA\VW040619\  
 Data File : VW009771.D  
 Acq On : 06 Apr 2019 14:34  
 Operator : SY/VA  
 Sample : K2327-04  
 Misc : 5.73G/10ML/MSVOA\_W/SOIL  
 ALS Vial : 1 Sample Multiplier: 1

Instrument :  
 MSVOA\_W  
 ClientSampleId :  
 BF2S0

Quant Time: Apr 07 04:00:34 2019  
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_W\METHOD\SOM2WLM040319S.M  
 Quant Title : VOC Analysis  
 QLast Update : Sun Apr 07 03:56:20 2019  
 Response via : Initial Calibration

| Internal Standards         | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|----------------------------|-------|------|----------|-------|-------|----------|
| 1) 1,4-Difluorobenzene     | 8.84  | 114  | 509798   | 25.00 | ug/L  | 0.00     |
| 28) Chlorobenzene-d5       | 11.63 | 117  | 483309   | 25.00 | ug/L  | 0.00     |
| 60) 1,4-Dichlorobenzene-d4 | 13.56 | 152  | 203769   | 25.00 | ug/L  | 0.00     |

## System Monitoring Compounds

|                                |        |       |          |          |      |         |
|--------------------------------|--------|-------|----------|----------|------|---------|
| 4) Vinyl Chloride-d3           | 2.35   | 65    | 161560   | 24.22    | ug/L | 0.00    |
| Spiked Amount                  | 25.000 | Range | 30 - 150 | Recovery | =    | 96.88%  |
| 7) Chloroethane-d5             | 2.89   | 69    | 146872   | 24.03    | ug/L | 0.00    |
| Spiked Amount                  | 25.000 | Range | 30 - 150 | Recovery | =    | 96.12%  |
| 10) 1,1-Dichloroethene-d2      | 4.01   | 63    | 280813   | 19.57    | ug/L | -0.01   |
| Spiked Amount                  | 25.000 | Range | 45 - 110 | Recovery | =    | 78.28%  |
| 20) 2-Butanone-d5              | 7.07   | 46    | 98437    | 45.45    | ug/L | 0.00    |
| Spiked Amount                  | 50.000 | Range | 20 - 135 | Recovery | =    | 90.90%  |
| 24) Chloroform-d               | 7.64   | 84    | 369654   | 26.57    | ug/L | 0.00    |
| Spiked Amount                  | 25.000 | Range | 40 - 150 | Recovery | =    | 106.28% |
| 26) 1,2-Dichloroethane-d4      | 8.30   | 65    | 225406   | 26.39    | ug/L | 0.00    |
| Spiked Amount                  | 25.000 | Range | 70 - 130 | Recovery | =    | 105.56% |
| 29) Benzene-d6                 | 8.27   | 84    | 703906   | 27.74    | ug/L | 0.00    |
| Spiked Amount                  | 25.000 | Range | 20 - 135 | Recovery | =    | 110.96% |
| 33) 1,2-Dichloropropane-d6     | 9.27   | 67    | 214628   | 27.39    | ug/L | 0.00    |
| Spiked Amount                  | 25.000 | Range | 70 - 120 | Recovery | =    | 109.56% |
| 37) Toluene-d8                 | 10.32  | 98    | 634590   | 27.05    | ug/L | 0.00    |
| Spiked Amount                  | 25.000 | Range | 30 - 130 | Recovery | =    | 108.20% |
| 38) trans-1,3-Dichloropropene- | 10.58  | 79    | 90804    | 24.30    | ug/L | 0.00    |
| Spiked Amount                  | 25.000 | Range | 30 - 135 | Recovery | =    | 97.20%  |
| 39) 2-Hexanone-d5              | 10.93  | 63    | 70606    | 47.80    | ug/L | 0.00    |
| Spiked Amount                  | 50.000 | Range | 20 - 135 | Recovery | =    | 95.60%  |
| 48) 1,1,2,2-Tetrachloroethane- | 12.69  | 84    | 168508   | 23.13    | ug/L | 0.00    |
| Spiked Amount                  | 25.000 | Range | 45 - 120 | Recovery | =    | 92.52%  |
| 61) 1,2-Dichlorobenzene-d4     | 13.86  | 152   | 206968   | 28.95    | ug/L | 0.00    |
| Spiked Amount                  | 25.000 | Range | 75 - 120 | Recovery | =    | 115.80% |

## Target Compounds

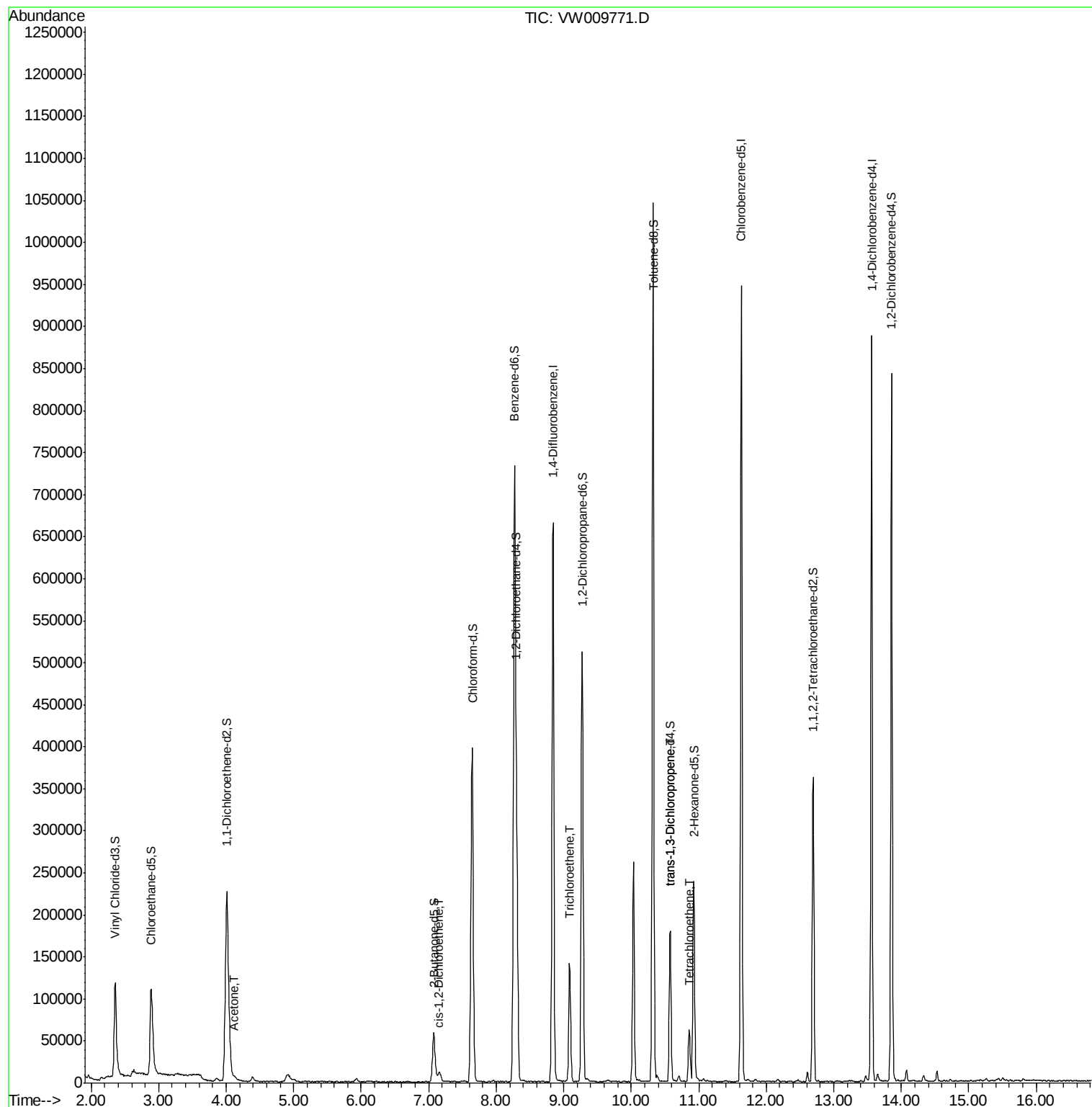
|                               |       |     |       |              | Qvalue |
|-------------------------------|-------|-----|-------|--------------|--------|
| 13) Acetone                   | 4.12  | 43  | 2913  | 1.255 ug/L   | 73     |
| 22) cis-1,2-Dichloroethene    | 7.16  | 96  | 4179  | 0.555 ug/L # | 71     |
| 35) Trichloroethene           | 9.09  | 95  | 45042 | 5.919 ug/L   | 98     |
| 45) trans-1,3-Dichloropropene | 10.57 | 75  | 5685  | 0.572 ug/L   | 90     |
| 47) Tetrachloroethene         | 10.86 | 164 | 12782 | 2.133 ug/L   | 95     |

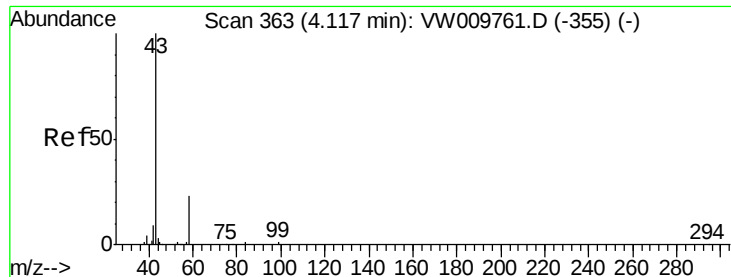
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : VOC Analysis  
QLast Update : Sun Apr 07 03:56:20 2019  
Response via : Initial Calibration





#13

Acetone

Concen: 1.255 ug/L

RT: 4.12 min Scan# 363

Delta R.T. -0.01 min

Lab File: VW009771.D

Acq: 06 Apr 2019 14:34

Instrument :

MSVOA\_W

ClientSampleId :

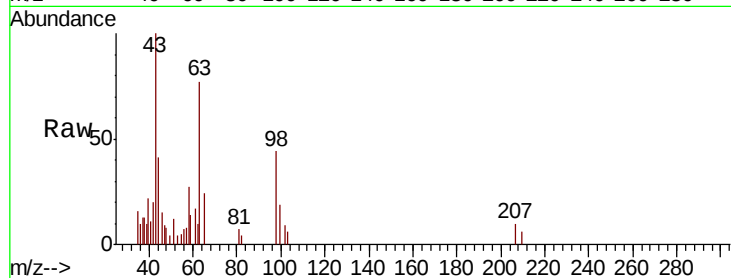
BF2S0

Tgt Ion: 43 Resp: 2913

Ion Ratio Lower Upper

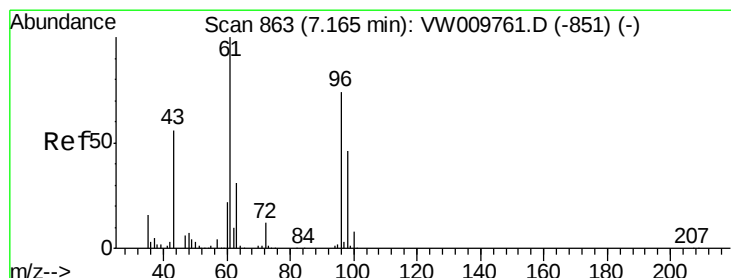
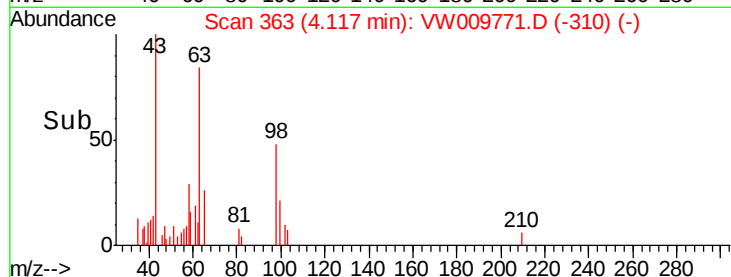
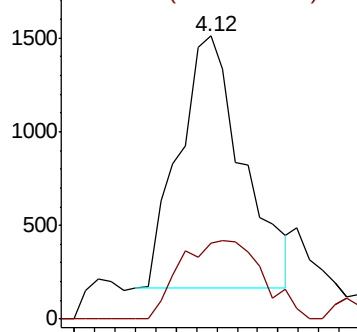
43 100

58 40.6 0.0 53.0



Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 58.00 (57.70 to 58.70): VW



#22

cis-1,2-Dichloroethene

Concen: 0.555 ug/L

RT: 7.16 min Scan# 862

Delta R.T. 0.00 min

Lab File: VW009771.D

Acq: 06 Apr 2019 14:34

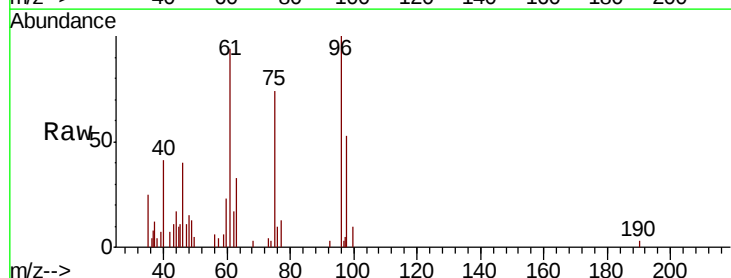
Tgt Ion: 96 Resp: 4179

Ion Ratio Lower Upper

96 100

61 94.2 96.8 179.8#

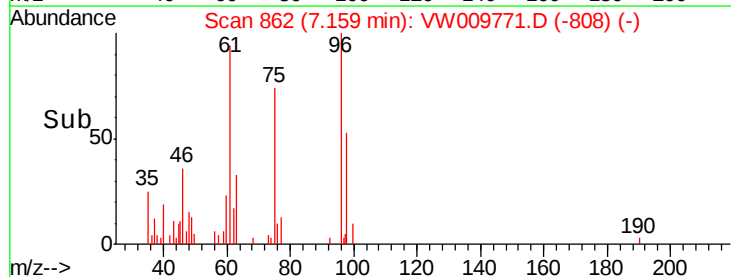
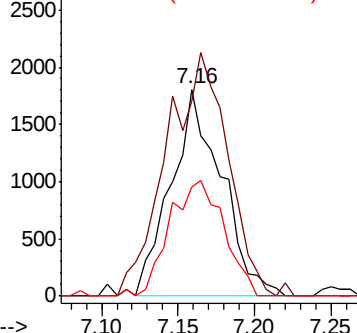
98 52.8 43.5 80.9

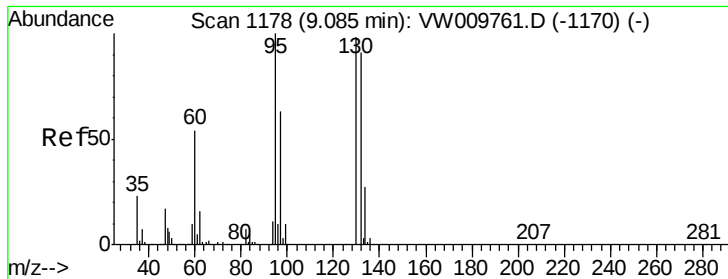


Abundance Ion 96.00 (95.70 to 96.70): VW

Ion 61.00 (60.70 to 61.70): VW

Ion 98.00 (97.70 to 98.70): VW





#35

Trichloroethene

Concen: 5.919 ug/L

RT: 9.09 min Scan# 1179

Delta R.T. 0.01 min

Lab File: VW009771.D

Acq: 06 Apr 2019 14:34

Instrument :

MSVOA\_W

ClientSampleId :

BF2S0

Tgt Ion: 95 Resp: 45042

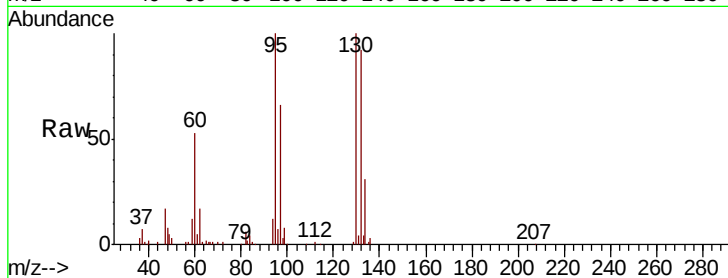
Ion Ratio Lower Upper

95 100

97 65.9 44.9 83.5

132 94.5 67.1 124.7

130 102.6 69.2 128.6

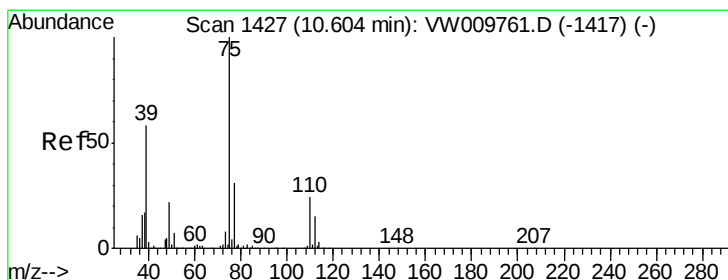
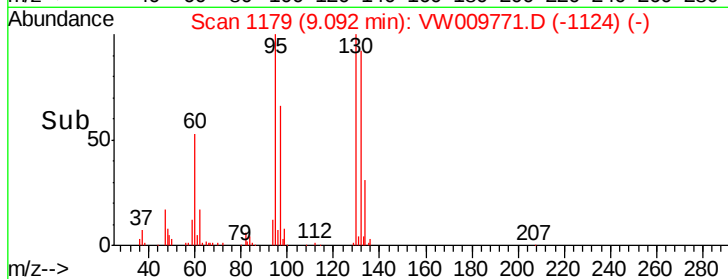
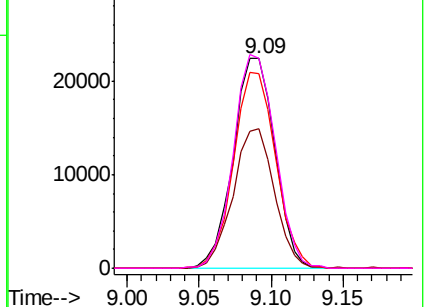


Abundance Ion 95.00 (94.70 to 95.70): VW

Ion 97.00 (96.70 to 97.70): VW

Ion 132.00 (131.70 to 132.70): VW

Ion 130.00 (129.70 to 130.70): VW



#45

trans-1,3-Dichloropropene

Concen: 0.572 ug/L

RT: 10.57 min Scan# 1422

Delta R.T. -0.03 min

Lab File: VW009771.D

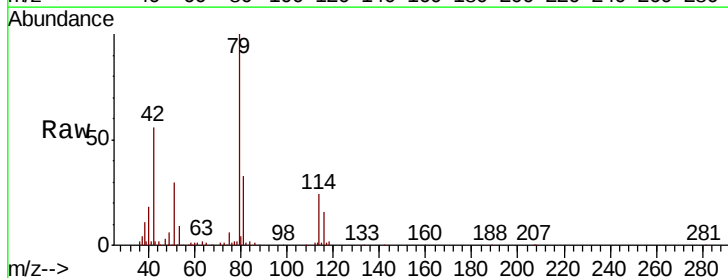
Acq: 06 Apr 2019 14:34

Tgt Ion: 75 Resp: 5685

Ion Ratio Lower Upper

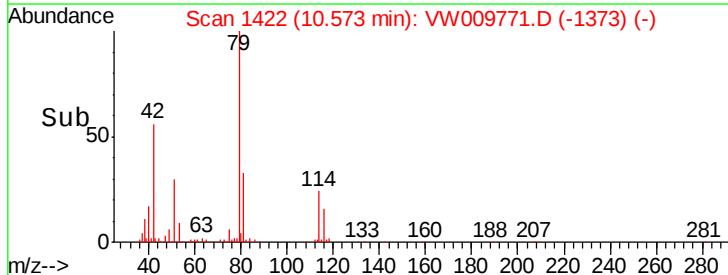
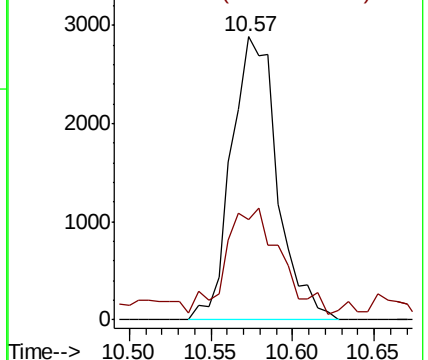
75 100

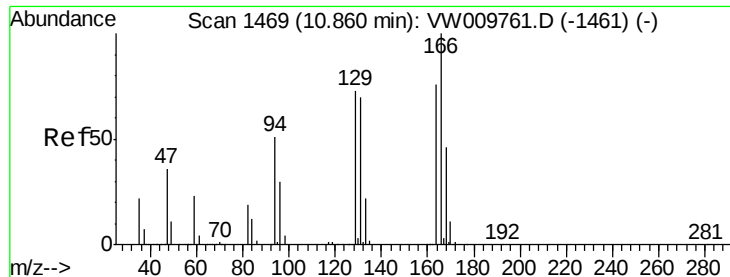
77 35.6 21.1 39.3



Abundance Ion 75.00 (74.70 to 75.70): VW

Ion 77.00 (76.70 to 77.70): VW





#47

Tetrachloroethene

Concen: 2.133 ug/L

RT: 10.86 min Scan# 1469

Delta R.T. 0.00 min

Lab File: VW009771.D

Acq: 06 Apr 2019 14:34

Instrument :

MSVOA\_W

ClientSampleId :

BF2S0

Tgt Ion:164 Resp: 12782

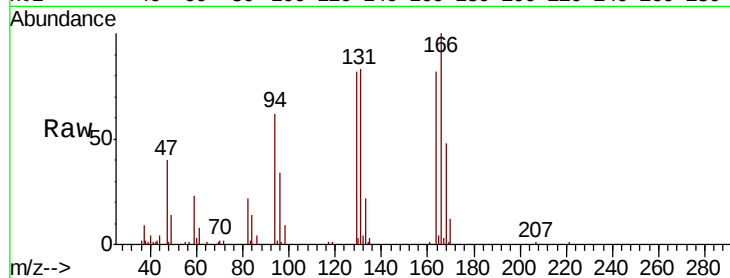
Ion Ratio Lower Upper

164 100

129 100.5 68.9 127.9

131 101.1 63.1 117.1

166 122.3 88.5 164.4



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

