

Data Path : Z:\VOASRV\HPCHEM1\MSVOA V\DATA\VV090619\  
 Data File : VV012596.D  
 Acq On : 06 Sep 2019 13:15  
 Operator : SY/MD  
 Sample : K4685-13  
 Misc : 25mL/MSVOA V/WATER  
 ALS Vial : 10 Sample Multiplier: 1

Instrument :  
 MSVOA\_V  
 ClientSampleId :  
 BFD82

Quant Time: Sep 06 14:08:05 2019  
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_V\METHOD\SOMVTR090519WMA.M  
 Quant Title : TRACE VOA SOM01.0  
 QLast Update : Fri Sep 06 11:34:24 2019  
 Response via : Initial Calibration

| Internal Standards         | R.T.  | QIon | Response | Conc | Units | Dev(Min) |
|----------------------------|-------|------|----------|------|-------|----------|
| 1) 1,4-Difluorobenzene     | 5.66  | 114  | 143744   | 5.00 | ug/L  | 0.00     |
| 28) Chlorobenzene-d5       | 8.89  | 117  | 147756   | 5.00 | ug/L  | 0.00     |
| 60) 1,4-Dichlorobenzene-d4 | 11.29 | 152  | 49002    | 5.00 | ug/L  | 0.00     |

## System Monitoring Compounds

|                                |        |       |          |          |      |          |
|--------------------------------|--------|-------|----------|----------|------|----------|
| 4) Vinyl Chloride-d3           | 1.32   | 65    | 57383    | 4.27     | ug/L | 0.00     |
| Spiked Amount                  | 5.000  | Range | 40 - 130 | Recovery | =    | 85.40%   |
| 7) Chloroethane-d5             | 1.58   | 69    | 60153    | 4.94     | ug/L | 0.00     |
| Spiked Amount                  | 5.000  | Range | 65 - 130 | Recovery | =    | 98.80%   |
| 11) 1,1-Dichloroethene-d2      | 2.13   | 63    | 97966    | 3.11     | ug/L | 0.00     |
| Spiked Amount                  | 5.000  | Range | 60 - 125 | Recovery | =    | 62.20%   |
| 20) 2-Butanone-d5              | 3.97   | 46    | 171350   | 65.36    | ug/L | 0.00     |
| Spiked Amount                  | 50.000 | Range | 40 - 130 | Recovery | =    | 130.72%# |
| 24) Chloroform-d               | 4.40   | 84    | 108453   | 5.30     | ug/L | 0.00     |
| Spiked Amount                  | 5.000  | Range | 70 - 125 | Recovery | =    | 106.00%  |
| 26) 1,2-Dichloroethane-d4      | 5.08   | 65    | 63559    | 5.95     | ug/L | 0.00     |
| Spiked Amount                  | 5.000  | Range | 70 - 130 | Recovery | =    | 119.00%  |
| 32) Benzene-d6                 | 5.10   | 84    | 190867   | 5.10     | ug/L | 0.00     |
| Spiked Amount                  | 5.000  | Range | 70 - 125 | Recovery | =    | 102.00%  |
| 36) 1,2-Dichloropropane-d6     | 6.12   | 67    | 66346    | 5.53     | ug/L | 0.00     |
| Spiked Amount                  | 5.000  | Range | 60 - 140 | Recovery | =    | 110.60%  |
| 41) Toluene-d8                 | 7.36   | 98    | 145706   | 4.41     | ug/L | 0.00     |
| Spiked Amount                  | 5.000  | Range | 70 - 130 | Recovery | =    | 88.20%   |
| 43) trans-1,3-Dichloropropene- | 7.67   | 79    | 18026    | 4.27     | ug/L | 0.00     |
| Spiked Amount                  | 5.000  | Range | 55 - 130 | Recovery | =    | 85.40%   |
| 46) 2-Hexanone-d5              | 8.14   | 63    | 85026    | 52.80    | ug/L | 0.00     |
| Spiked Amount                  | 50.000 | Range | 45 - 130 | Recovery | =    | 105.60%  |
| 57) 1,1,2,2-Tetrachloroethane- | 10.26  | 84    | 46772    | 5.51     | ug/L | 0.00     |
| Spiked Amount                  | 5.000  | Range | 65 - 120 | Recovery | =    | 110.20%  |
| 64) 1,2-Dichlorobenzene-d4     | 11.67  | 152   | 49456    | 6.04     | ug/L | 0.00     |
| Spiked Amount                  | 5.000  | Range | 80 - 120 | Recovery | =    | 120.80%# |

## Target Compounds

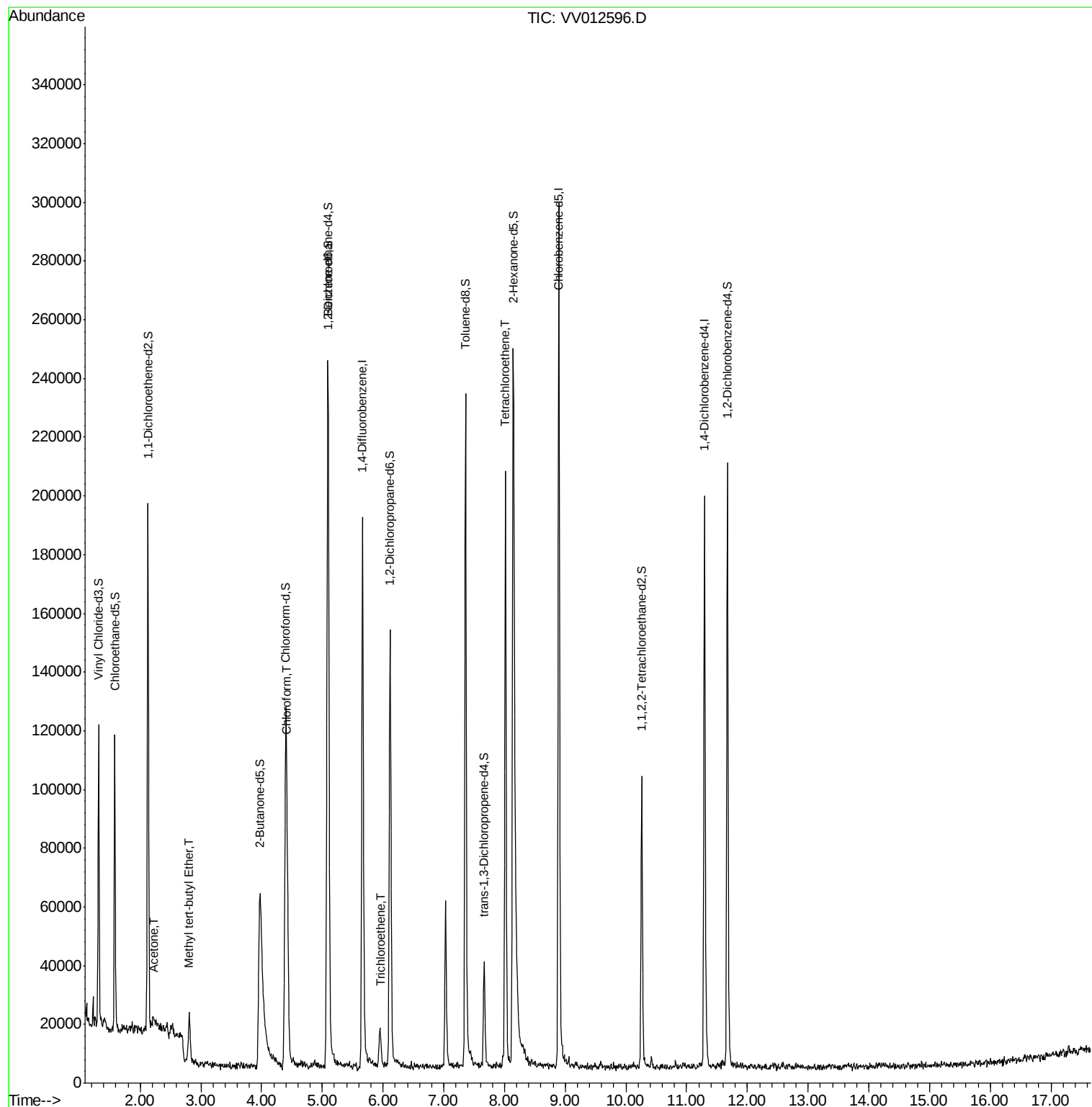
| Target Compounds            | R.T. | QIon | Response | Conc  | Units  | Ovalue |
|-----------------------------|------|------|----------|-------|--------|--------|
| 13) Acetone                 | 2.23 | 43   | 9589     | 3.015 | ug/L   | 86     |
| 17) Methyl tert-butyl Ether | 2.81 | 73   | 14618    | 0.528 | ug/L # | 95     |
| 25) Chloroform              | 4.42 | 83   | 39049    | 1.380 | ug/L   | 100    |
| 34) Trichloroethene         | 5.96 | 95   | 1608     | 0.108 | ug/L   | 85     |
| 47) Tetrachloroethene       | 8.02 | 164  | 41053    | 3.779 | ug/L   | 97     |

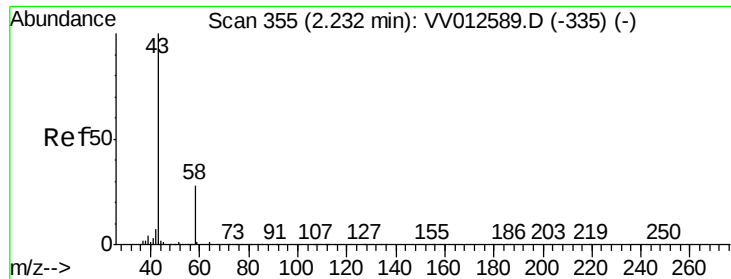
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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QLast Update : Fri Sep 06 11:34:24 2019  
Response via : Initial Calibration





#13

Acetone

Concen: 3.015 ug/L

RT: 2.23 min Scan# 354

Delta R.T. 0.00 min

Lab File: VV012596.D

Acq: 06 Sep 2019 13:15

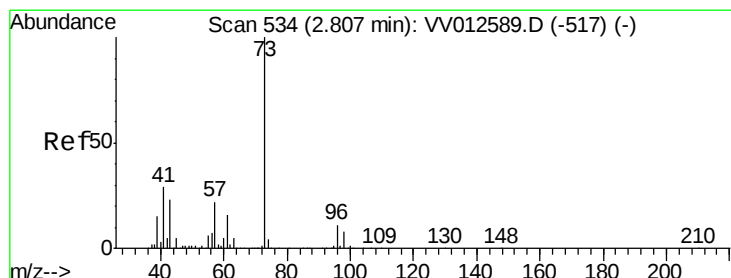
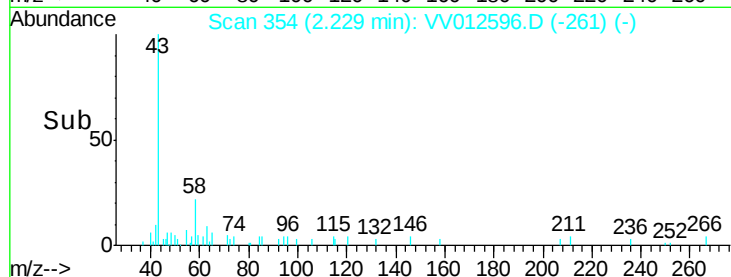
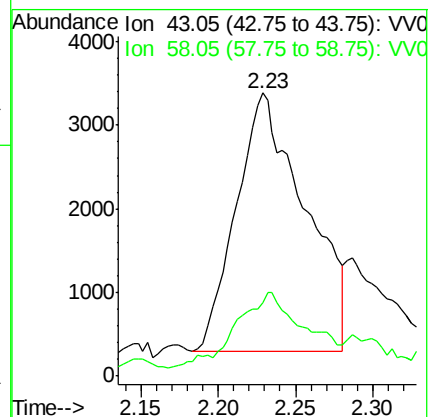
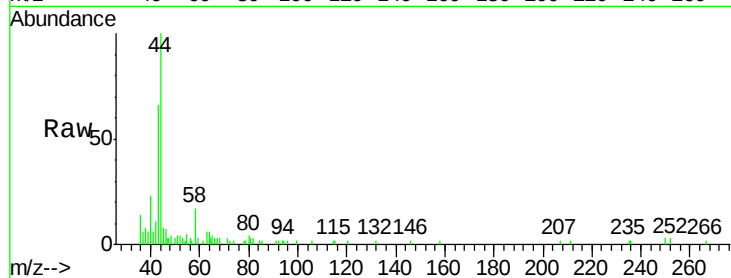
Instrument :  
MSVOA\_V  
ClientSampleId :  
BFD82

Tot Ion: 43 Resp: 9589

Ion Ratio Lower Upper

43 100

58 35.8 0.0 57.0



#17

Methyl tert-butyl Ether

Concen: 0.528 ug/L

RT: 2.81 min Scan# 534

Delta R.T. 0.00 min

Lab File: VV012596.D

Acq: 06 Sep 2019 13:15

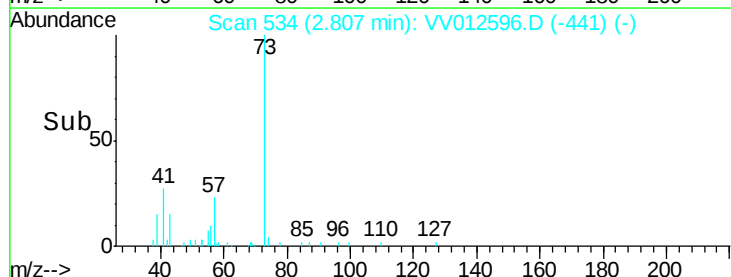
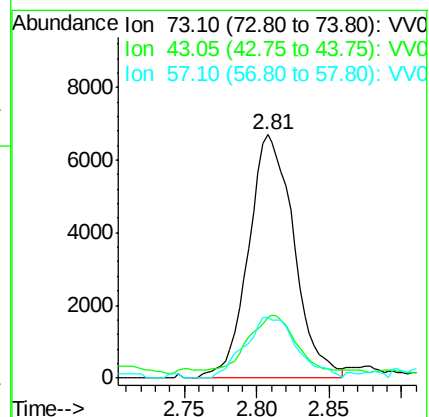
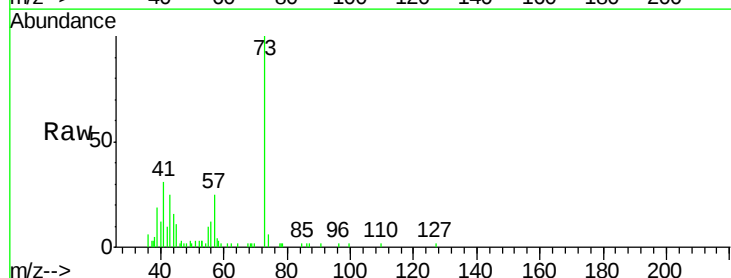
Tgt Ion: 73 Resp: 14618

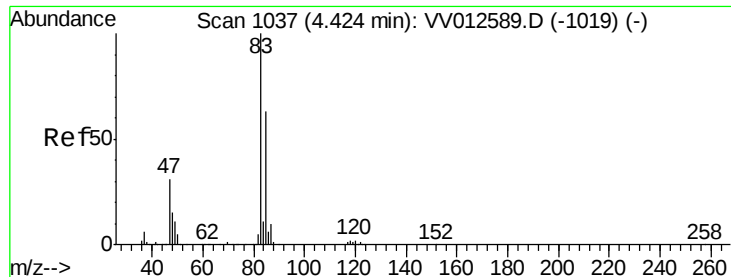
Ion Ratio Lower Upper

73 100

43 23.6 18.9 28.3

57 28.6 18.9 28.3#





#25

Chloroform

Concen: 1.380 ug/L

RT: 4.42 min Scan# 1037

Delta R.T. 0.00 min

Lab File: VV012596.D

Acq: 06 Sep 2019 13:15

Instrument :

MSVOA\_V

ClientSampleId :

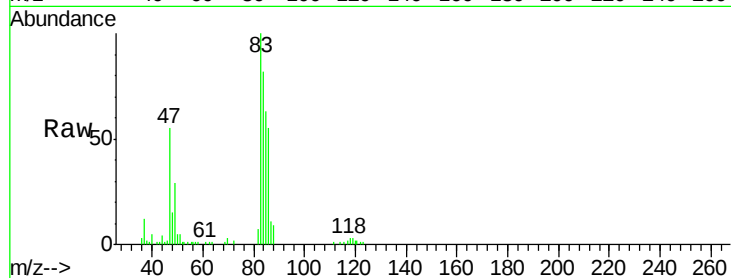
BFD82

Tot Ion: 83 Resp: 39049

Ion Ratio Lower Upper

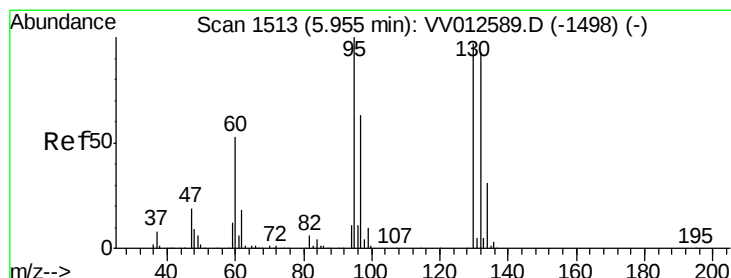
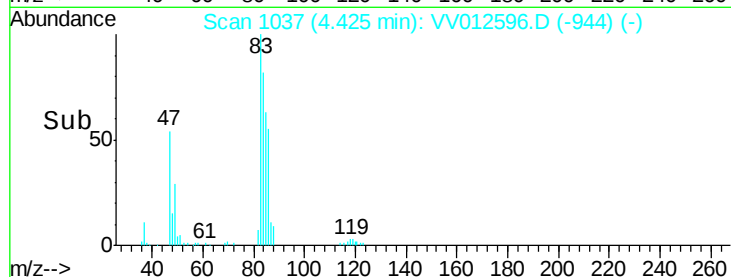
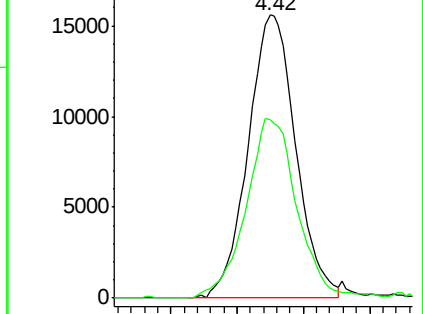
83 100

85 63.3 44.4 82.5



Abundance Ion 83.05 (82.75 to 83.75): VV012589.D (-1019) (-)

Ion 85.00 (84.70 to 85.70): VV012589.D (-1019) (-)



#34

Trichloroethene

Concen: 0.108 ug/L

RT: 5.96 min Scan# 1516

Delta R.T. 0.01 min

Lab File: VV012596.D

Acq: 06 Sep 2019 13:15

Tgt Ion: 95 Resp: 1608

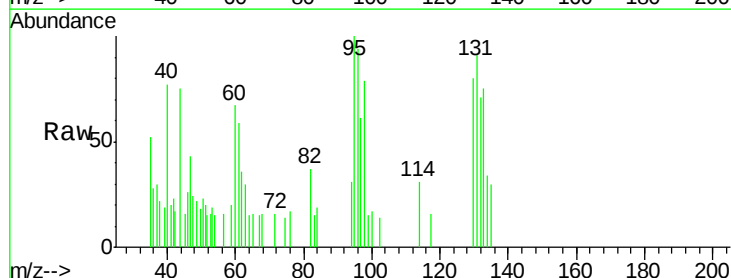
Ion Ratio Lower Upper

95 100

97 60.6 43.9 81.5

132 70.8 64.8 120.4

130 79.9 67.1 124.7

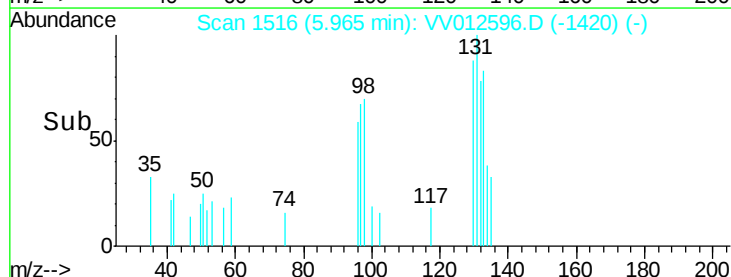
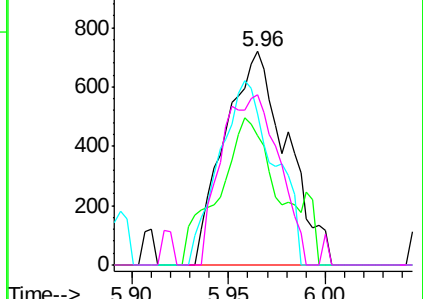


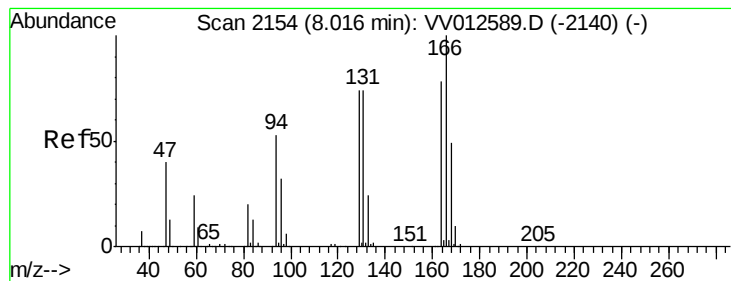
Abundance Ion 95.00 (94.70 to 95.70): VV012589.D (-1498) (-)

Ion 96.95 (96.65 to 97.65): VV012589.D (-1498) (-)

Ion 131.95 (131.65 to 132.65): VV012589.D (-1498) (-)

Ion 129.95 (129.65 to 130.65): VV012589.D (-1498) (-)





#47

Tetrachloroethene

Concen: 3.779 ug/L

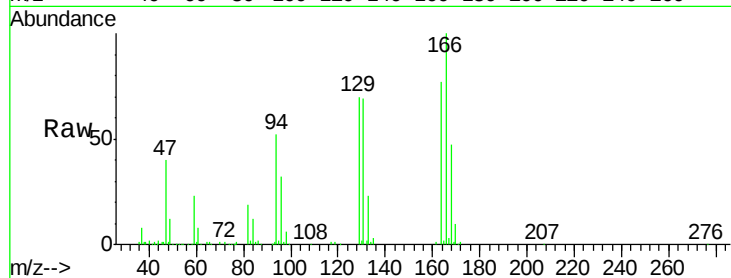
RT: 8.02 min Scan# 2154

Delta R.T. 0.00 min

Lab File: VV012596.D

Acq: 06 Sep 2019 13:15

Instrument :  
MSVOA\_V  
ClientSampleId :  
BFD82



|          |       |       |       |
|----------|-------|-------|-------|
| Tot Ion: | 164   | Resp: | 41053 |
| Ion      | Ratio | Lower | Upper |
| 164      | 100   |       |       |
| 129      | 90.8  | 65.0  | 120.6 |
| 131      | 89.0  | 62.0  | 115.2 |
| 166      | 129.9 | 87.0  | 161.6 |

