

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW100720\  
 Data File : VW016819.D  
 Acq On : 07 Oct 2020 01:50  
 Operator : SY/VA  
 Sample : L4254-14  
 Misc : 5.75G/10ML/MSVOA W/SOIL  
 ALS Vial : 1 Sample Multiplier: 1

Instrument :  
 MSVOA\_W  
 ClientSampleId :  
 BG3T7

Quant Time: Oct 07 05:35:39 2020  
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_W\METHOD\SOM2WLM100720S.M  
 Quant Title : VOC Analysis  
 QLast Update : Wed Oct 07 03:05:19 2020  
 Response via : Initial Calibration

| Internal Standards         | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|----------------------------|-------|------|----------|-------|-------|----------|
| 1) 1,4-Difluorobenzene     | 8.85  | 114  | 579342   | 25.00 | ug/L  | 0.00     |
| 28) Chlorobenzene-d5       | 11.63 | 117  | 511539   | 25.00 | ug/L  | 0.00     |
| 60) 1,4-Dichlorobenzene-d4 | 13.56 | 152  | 216129   | 25.00 | ug/L  | 0.00     |

## System Monitoring Compounds

|                                |        |       |          |          |      |         |
|--------------------------------|--------|-------|----------|----------|------|---------|
| 4) Vinyl Chloride-d3           | 2.36   | 65    | 153656   | 26.89    | ug/L | 0.00    |
| Spiked Amount                  | 25.000 | Range | 30 - 150 | Recovery | =    | 107.56% |
| 7) Chloroethane-d5             | 2.89   | 69    | 127587   | 26.61    | ug/L | 0.00    |
| Spiked Amount                  | 25.000 | Range | 30 - 150 | Recovery | =    | 106.44% |
| 10) 1,1-Dichloroethene-d2      | 4.02   | 63    | 214783   | 17.70    | ug/L | 0.00    |
| Spiked Amount                  | 25.000 | Range | 45 - 110 | Recovery | =    | 70.80%  |
| 20) 2-Butanone-d5              | 7.07   | 46    | 66085    | 51.05    | ug/L | -0.01   |
| Spiked Amount                  | 50.000 | Range | 20 - 135 | Recovery | =    | 102.10% |
| 24) Chloroform-d               | 7.65   | 84    | 322335   | 26.37    | ug/L | 0.00    |
| Spiked Amount                  | 25.000 | Range | 40 - 150 | Recovery | =    | 105.48% |
| 26) 1,2-Dichloroethane-d4      | 8.31   | 65    | 162784   | 27.57    | ug/L | 0.00    |
| Spiked Amount                  | 25.000 | Range | 70 - 130 | Recovery | =    | 110.28% |
| 29) Benzene-d6                 | 8.27   | 84    | 668016   | 28.75    | ug/L | 0.00    |
| Spiked Amount                  | 25.000 | Range | 20 - 135 | Recovery | =    | 115.00% |
| 33) 1,2-Dichloropropane-d6     | 9.27   | 67    | 180603   | 28.93    | ug/L | 0.00    |
| Spiked Amount                  | 25.000 | Range | 70 - 120 | Recovery | =    | 115.72% |
| 37) Toluene-d8                 | 10.32  | 98    | 621209   | 28.34    | ug/L | 0.00    |
| Spiked Amount                  | 25.000 | Range | 30 - 130 | Recovery | =    | 113.36% |
| 38) trans-1,3-Dichloropropene- | 10.58  | 79    | 68314    | 24.81    | ug/L | 0.00    |
| Spiked Amount                  | 25.000 | Range | 30 - 135 | Recovery | =    | 99.24%  |
| 39) 2-Hexanone-d5              | 10.93  | 63    | 53851    | 55.77    | ug/L | 0.00    |
| Spiked Amount                  | 50.000 | Range | 20 - 135 | Recovery | =    | 111.54% |
| 48) 1,1,2,2-Tetrachloroethane- | 12.69  | 84    | 133397   | 26.45    | ug/L | 0.00    |
| Spiked Amount                  | 25.000 | Range | 45 - 120 | Recovery | =    | 105.80% |
| 61) 1,2-Dichlorobenzene-d4     | 13.86  | 152   | 191963   | 28.00    | ug/L | 0.00    |
| Spiked Amount                  | 25.000 | Range | 75 - 120 | Recovery | =    | 112.00% |

## Target Compounds

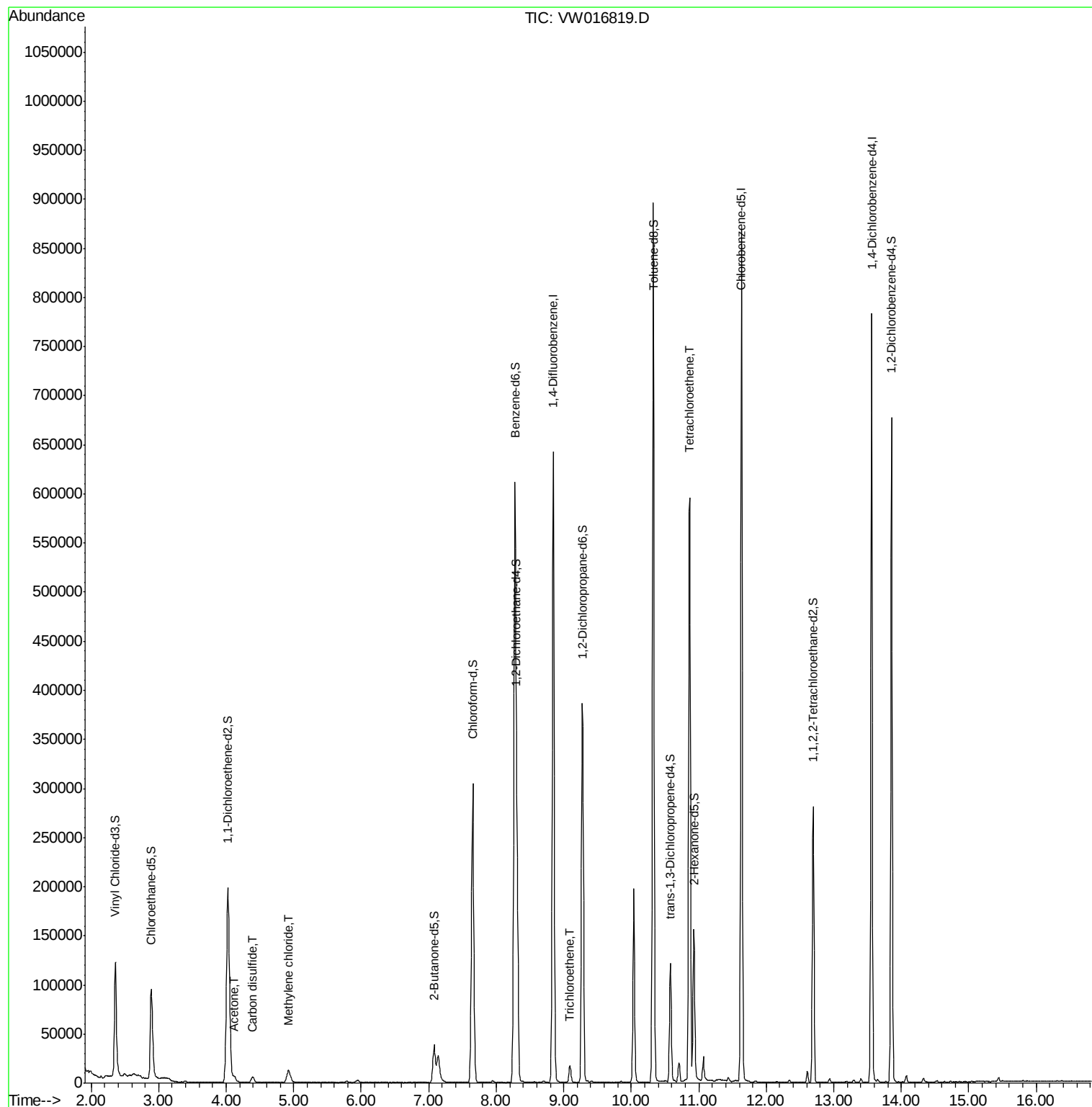
|                        |       |     |        |             | Ovalue |
|------------------------|-------|-----|--------|-------------|--------|
| 13) Acetone            | 4.12  | 43  | 9445   | 9.641 ug/L  | 96     |
| 14) Carbon disulfide   | 4.39  | 76  | 13906  | 0.647 ug/L  | 97     |
| 16) Methylene chloride | 4.93  | 84  | 12659  | 1.583 ug/L  | 96     |
| 35) Trichloroethene    | 9.09  | 95  | 5230   | 0.673 ug/L  | 98     |
| 47) Tetrachloroethene  | 10.87 | 164 | 146791 | 20.377 ug/L | 99     |

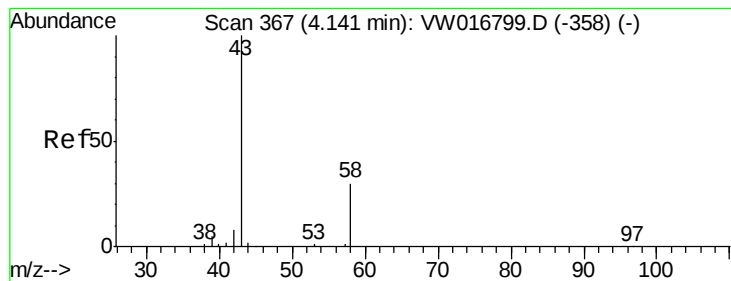
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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QLast Update : Wed Oct 07 03:05:19 2020  
Response via : Initial Calibration





#13

Acetone

Concen: 9.641 ug/L

RT: 4.12 min Scan# 364

Delta R.T. -0.02 min

Lab File: VW016819.D

Acq: 07 Oct 2020 01:50

Instrument :

MSVOA\_W

ClientSampled :

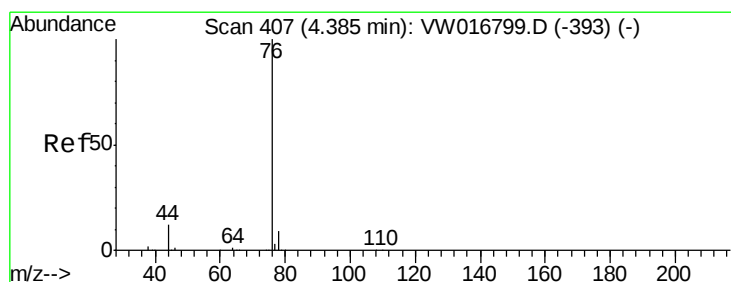
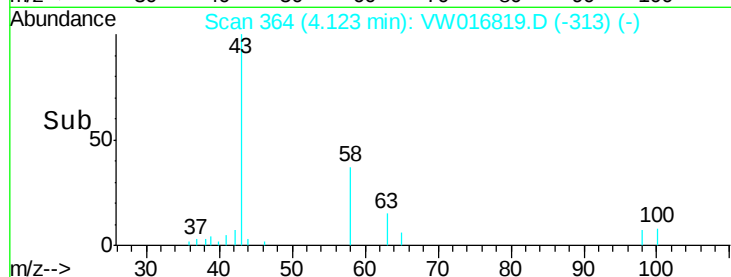
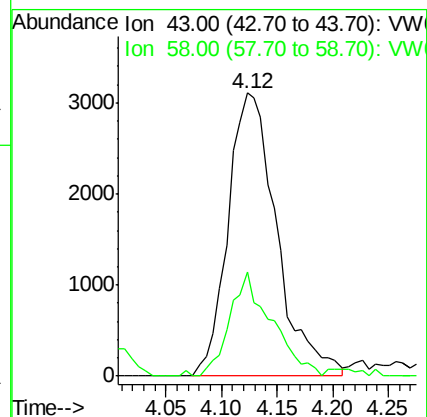
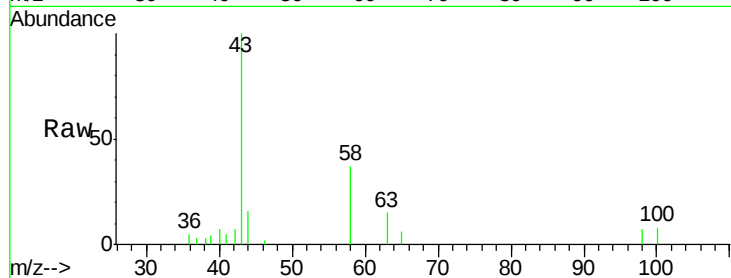
BG3T7

Tot Ion: 43 Resp: 9445

Ion Ratio Lower Upper

43 100

58 31.4 0.0 67.6



#14

Carbon disulfide

Concen: 0.647 ug/L

RT: 4.39 min Scan# 408

Delta R.T. 0.01 min

Lab File: VW016819.D

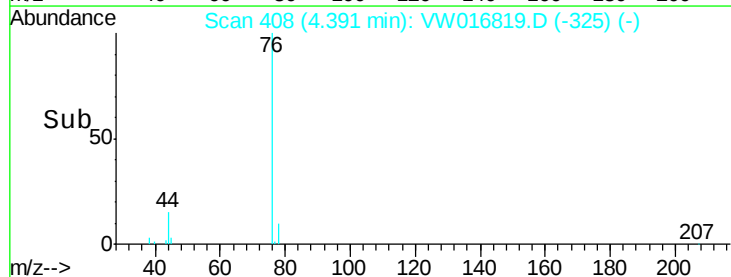
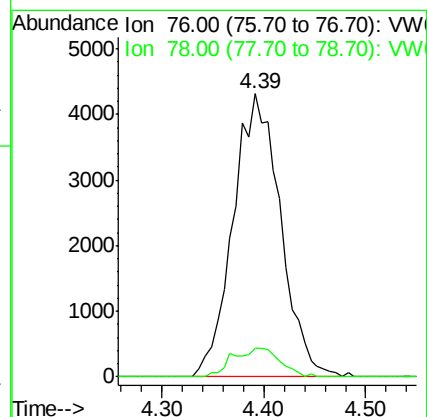
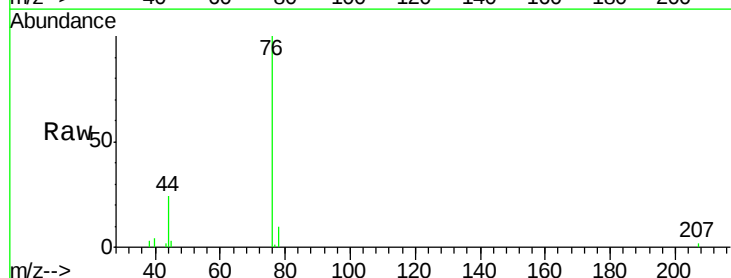
Acq: 07 Oct 2020 01:50

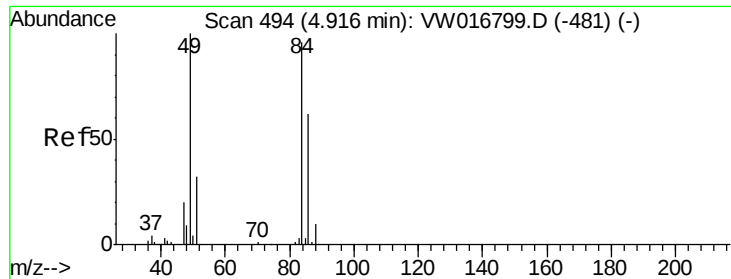
Tgt Ion: 76 Resp: 13906

Ion Ratio Lower Upper

76 100

78 10.2 7.4 11.0

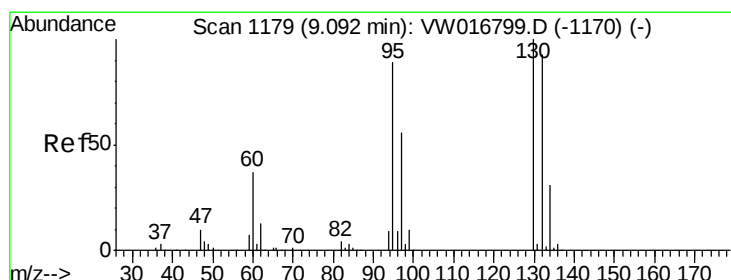
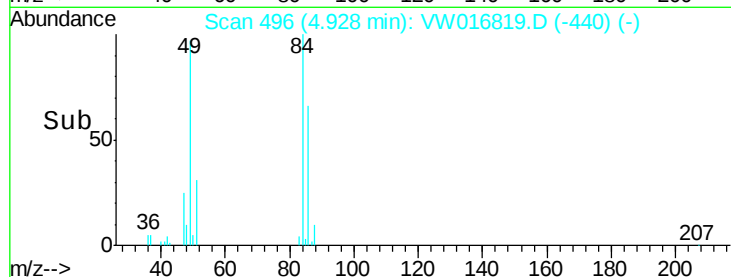
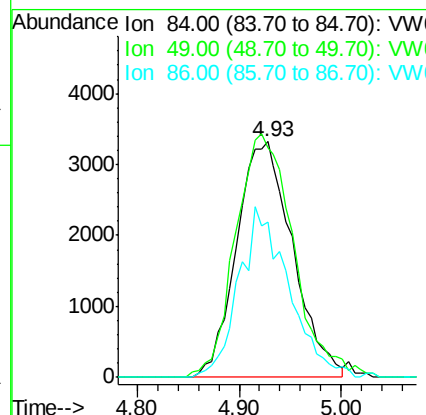
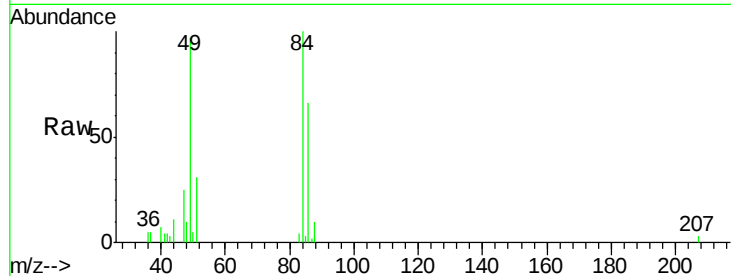




#16  
Methylene chloride  
Concen: 1.583 ug/L  
RT: 4.93 min Scan# 496  
Delta R.T. 0.01 min  
Lab File: VW016819.D  
Acq: 07 Oct 2020 01:50

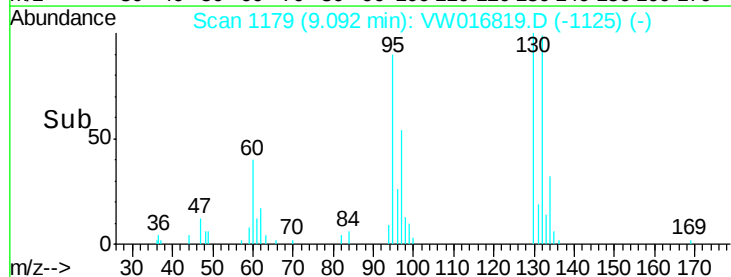
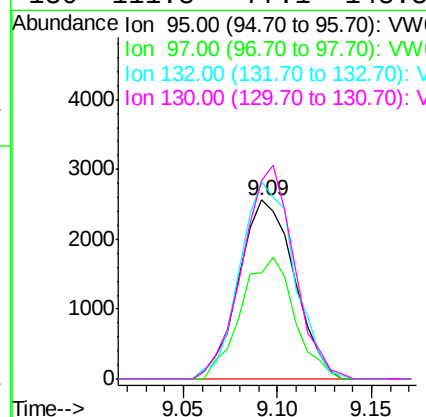
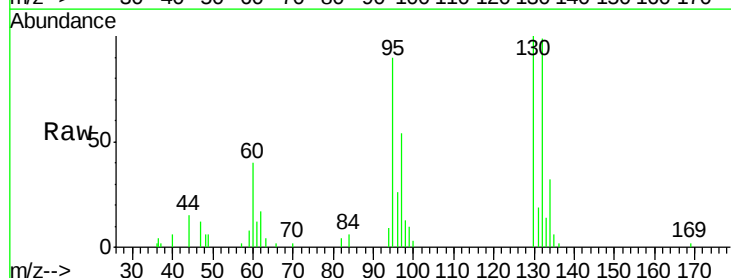
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MSVOA\_W  
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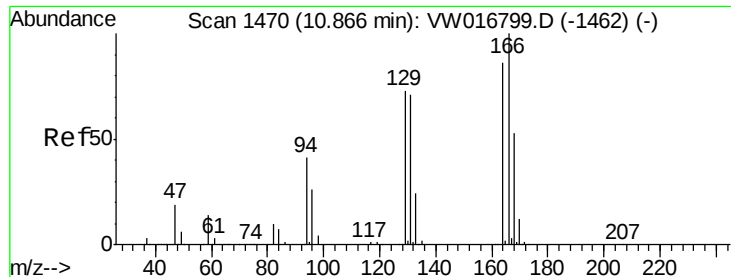
Tot Ion: 84 Resp: 12659  
Ion Ratio Lower Upper  
84 100  
49 97.2 73.1 135.8  
86 65.8 46.0 85.4



#35  
Trichloroethene  
Concen: 0.673 ug/L  
RT: 9.09 min Scan# 1179  
Delta R.T. -0.00 min  
Lab File: VW016819.D  
Acq: 07 Oct 2020 01:50

Tgt Ion: 95 Resp: 5230  
Ion Ratio Lower Upper  
95 100  
97 65.2 44.7 83.1  
132 108.2 73.8 137.2  
130 111.3 77.1 143.3





#47

Tetrachloroethene

Concen: 20.377 ug/L

RT: 10.87 min Scan# 1470

Delta R.T. -0.00 min

Lab File: VW016819.D

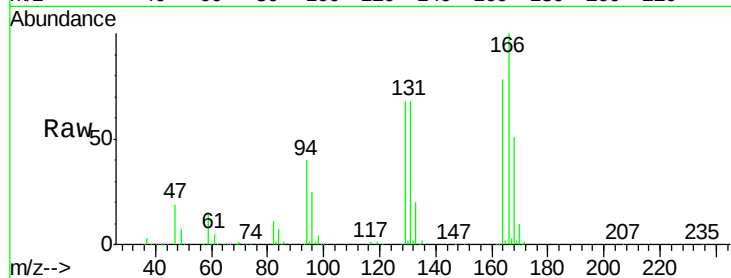
Acq: 07 Oct 2020 01:50

Instrument :

MSVOA\_W

ClientSampleId :

BG3T7



Tot Ion:164 Resp: 146791

Ion Ratio Lower Upper

164 100

129 86.8 61.7 114.7

131 86.5 59.7 110.9

166 127.9 88.3 164.1

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

