

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW101520\  
 Data File : VW016900.D  
 Acq On : 14 Oct 2020 13:13  
 Operator : SY/VA  
 Sample : L4382-10  
 Misc : 5.01G/10ML/MSVOA W/SOIL  
 ALS Vial : 5 Sample Multiplier: 1

Instrument :  
 MSVOA\_W  
 ClientSampleId :  
 BG3X8

Quant Time: Oct 15 08:36:35 2020  
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_W\METHOD\SOM2WLM100720S.M  
 Quant Title : VOC Analysis  
 QLast Update : Thu Oct 15 08:29:28 2020  
 Response via : Initial Calibration

| Internal Standards         | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|----------------------------|-------|------|----------|-------|-------|----------|
| 1) 1,4-Difluorobenzene     | 8.84  | 114  | 562620   | 25.00 | ug/L  | 0.00     |
| 28) Chlorobenzene-d5       | 11.63 | 117  | 511430   | 25.00 | ug/L  | 0.00     |
| 60) 1,4-Dichlorobenzene-d4 | 13.56 | 152  | 240048   | 25.00 | ug/L  | 0.00     |

## System Monitoring Compounds

|                                |        |       |          |          |      |         |
|--------------------------------|--------|-------|----------|----------|------|---------|
| 4) Vinyl Chloride-d3           | 2.36   | 65    | 138898   | 25.03    | ug/L | 0.00    |
| Spiked Amount                  | 25.000 | Range | 30 - 150 | Recovery | =    | 100.12% |
| 7) Chloroethane-d5             | 2.89   | 69    | 116454   | 25.01    | ug/L | 0.00    |
| Spiked Amount                  | 25.000 | Range | 30 - 150 | Recovery | =    | 100.04% |
| 10) 1,1-Dichloroethene-d2      | 4.02   | 63    | 210341   | 17.85    | ug/L | 0.00    |
| Spiked Amount                  | 25.000 | Range | 45 - 110 | Recovery | =    | 71.40%  |
| 20) 2-Butanone-d5              | 7.08   | 46    | 58137    | 46.24    | ug/L | 0.00    |
| Spiked Amount                  | 50.000 | Range | 20 - 135 | Recovery | =    | 92.48%  |
| 24) Chloroform-d               | 7.65   | 84    | 297451   | 25.06    | ug/L | 0.00    |
| Spiked Amount                  | 25.000 | Range | 40 - 150 | Recovery | =    | 100.24% |
| 26) 1,2-Dichloroethane-d4      | 8.31   | 65    | 147664   | 25.75    | ug/L | 0.00    |
| Spiked Amount                  | 25.000 | Range | 70 - 130 | Recovery | =    | 103.00% |
| 29) Benzene-d6                 | 8.27   | 84    | 607619   | 26.16    | ug/L | 0.00    |
| Spiked Amount                  | 25.000 | Range | 20 - 135 | Recovery | =    | 104.64% |
| 33) 1,2-Dichloropropane-d6     | 9.27   | 67    | 167379   | 26.81    | ug/L | 0.00    |
| Spiked Amount                  | 25.000 | Range | 70 - 120 | Recovery | =    | 107.24% |
| 37) Toluene-d8                 | 10.32  | 98    | 574990   | 26.23    | ug/L | 0.00    |
| Spiked Amount                  | 25.000 | Range | 30 - 130 | Recovery | =    | 104.92% |
| 38) trans-1,3-Dichloropropene- | 10.58  | 79    | 68238    | 24.79    | ug/L | 0.00    |
| Spiked Amount                  | 25.000 | Range | 30 - 135 | Recovery | =    | 99.16%  |
| 39) 2-Hexanone-d5              | 10.93  | 63    | 47606    | 49.31    | ug/L | 0.00    |
| Spiked Amount                  | 50.000 | Range | 20 - 135 | Recovery | =    | 98.62%  |
| 48) 1,1,2,2-Tetrachloroethane- | 12.69  | 84    | 123907   | 24.57    | ug/L | 0.00    |
| Spiked Amount                  | 25.000 | Range | 45 - 120 | Recovery | =    | 98.28%  |
| 61) 1,2-Dichlorobenzene-d4     | 13.85  | 152   | 211427   | 27.77    | ug/L | 0.00    |
| Spiked Amount                  | 25.000 | Range | 75 - 120 | Recovery | =    | 111.08% |

## Target Compounds

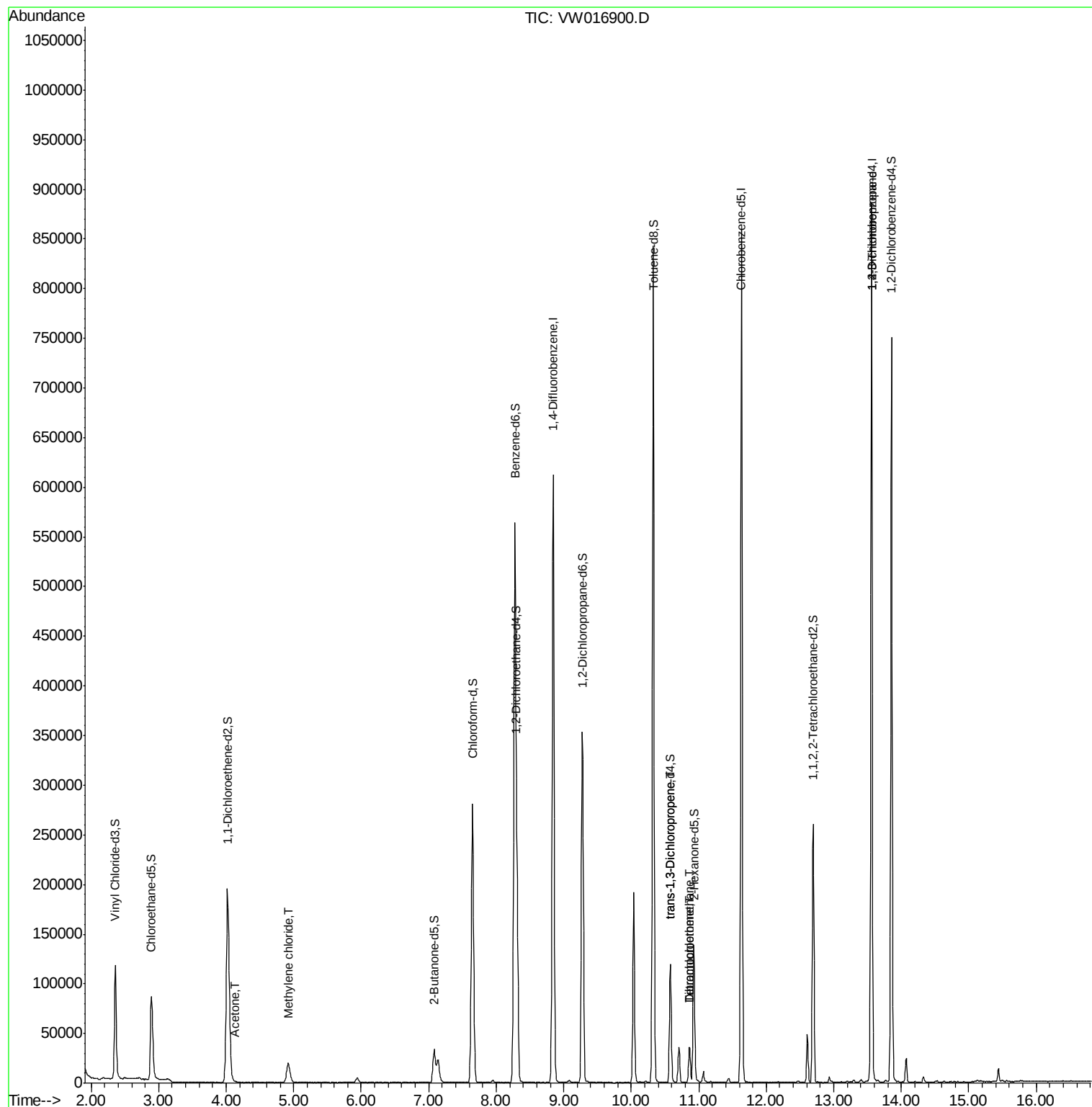
|                               |       |     |       |              | Ovalue |
|-------------------------------|-------|-----|-------|--------------|--------|
| 13) Acetone                   | 4.14  | 43  | 956   | 1.005 ug/L   | 67     |
| 16) Methylene chloride        | 4.92  | 84  | 18976 | 2.444 ug/L   | 91     |
| 45) trans-1,3-Dichloropropene | 10.59 | 75  | 3141  | 0.377 ug/L   | 94     |
| 47) Tetrachloroethene         | 10.87 | 164 | 8537  | 1.185 ug/L   | 96     |
| 50) Dibromochloromethane      | 10.86 | 129 | 7880  | 1.256 ug/L # | 11     |
| 59) 1,2,3-Trichloropropane    | 13.56 | 75  | 24830 | 6.143 ug/L   | 89     |

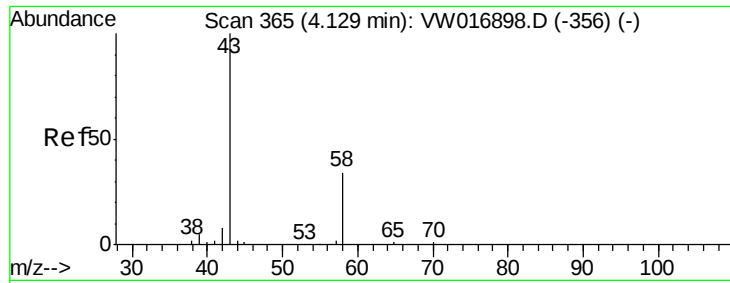
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : VOC Analysis  
QLast Update : Thu Oct 15 08:29:28 2020  
Response via : Initial Calibration





#13

Acetone

Concen: 1.005 ug/L

RT: 4.14 min Scan# 367

Delta R.T. 0.01 min

Lab File: VW016900.D

Acq: 14 Oct 2020 13:13

Instrument :

MSVOA\_W

ClientSampled :

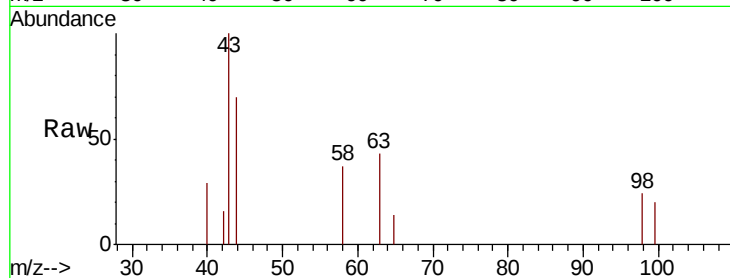
BG3X8

Tot Ion: 43 Resp: 956

Ion Ratio Lower Upper

43 100

58 52.5 0.0 67.6



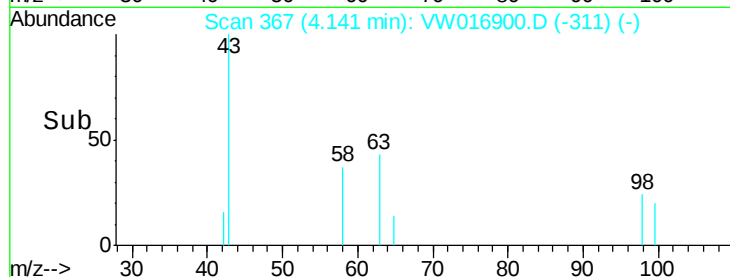
Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 58.00 (57.70 to 58.70): VW

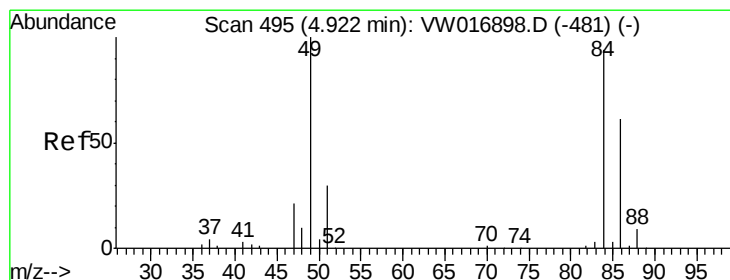
4.14

4.15

4.20



Time-->



#16

Methylene chloride

Concen: 2.444 ug/L

RT: 4.92 min Scan# 495

Delta R.T. 0.00 min

Lab File: VW016900.D

Acq: 14 Oct 2020 13:13

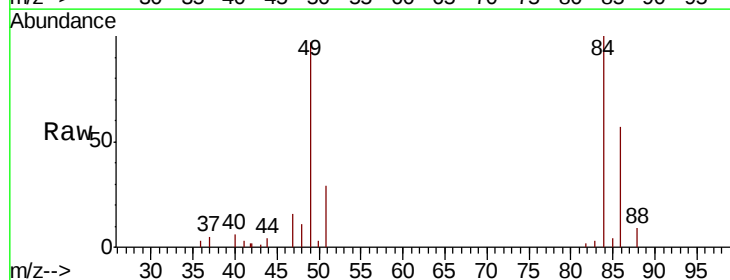
Tgt Ion: 84 Resp: 18976

Ion Ratio Lower Upper

84 100

49 97.1 73.1 135.8

86 57.1 46.0 85.4



Abundance Ion 84.00 (83.70 to 84.70): VW

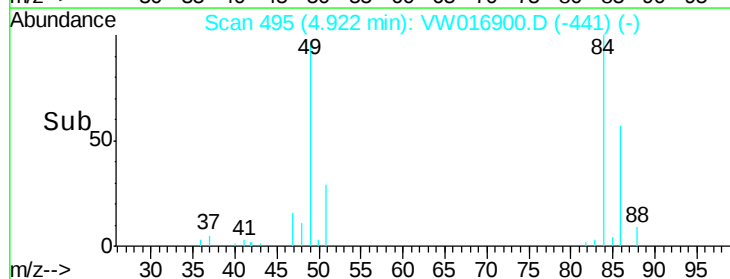
Ion 49.00 (48.70 to 49.70): VW

Ion 86.00 (85.70 to 86.70): VW

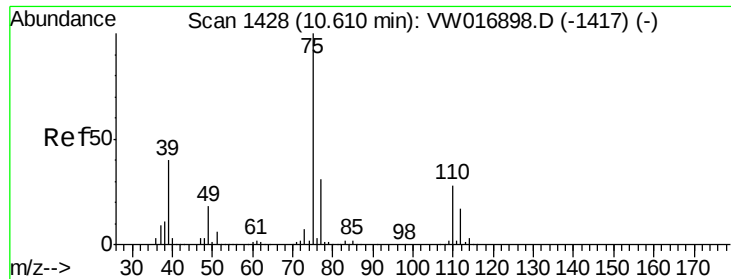
4.92

4.90

5.00



Time-->



#45

trans-1,3-Dichloropropene

Concen: 0.377 ug/L

RT: 10.59 min Scan# 1424

Delta R.T. -0.02 min

Lab File: VW016900.D

Acq: 14 Oct 2020 13:13

Instrument :

MSVOA\_W

ClientSampleId :

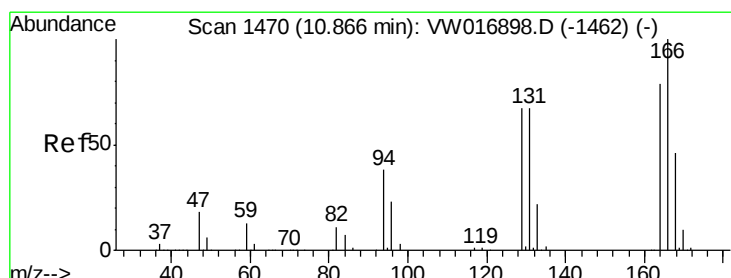
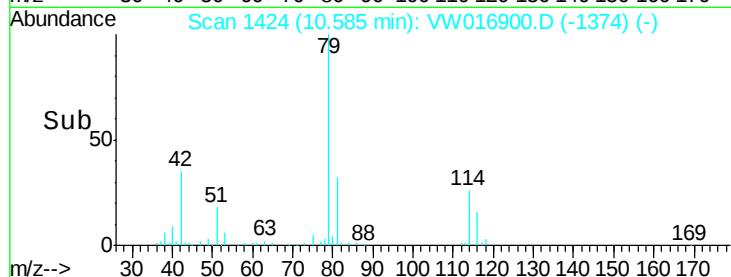
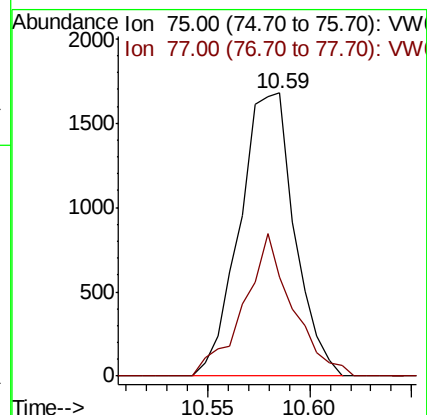
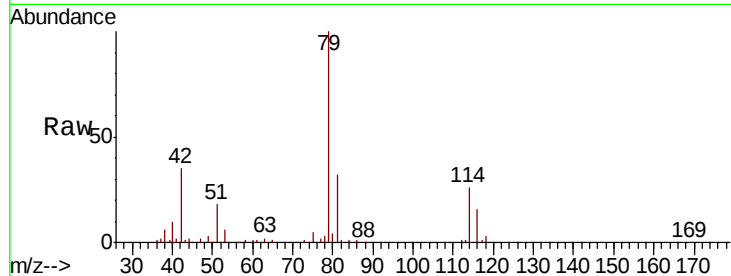
BG3X8

Tot Ion: 75 Resp: 3141

Ion Ratio Lower Upper

75 100

77 34.8 22.2 41.2



#47

Tetrachloroethene

Concen: 1.185 ug/L

RT: 10.87 min Scan# 1470

Delta R.T. 0.00 min

Lab File: VW016900.D

Acq: 14 Oct 2020 13:13

Tgt Ion: 164 Resp: 8537

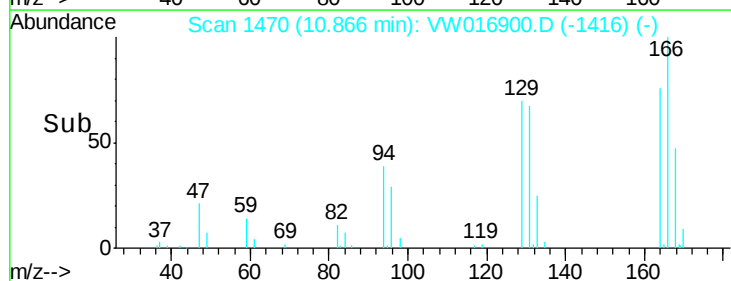
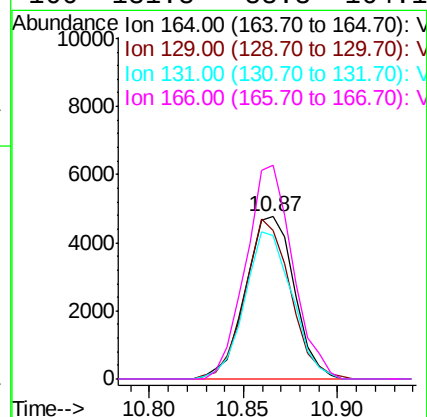
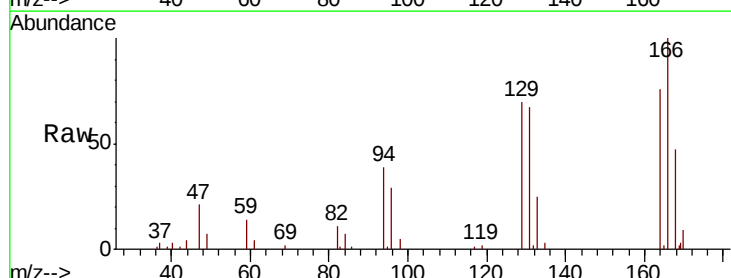
Ion Ratio Lower Upper

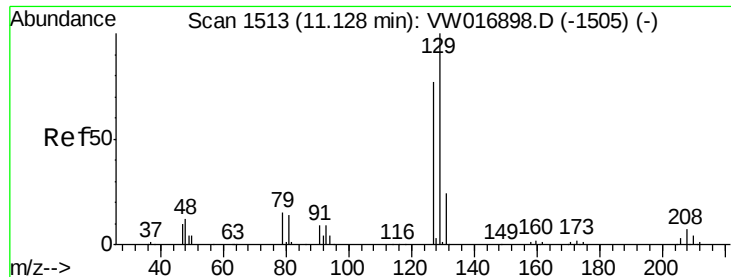
164 100

129 91.9 61.7 114.7

131 88.8 59.7 110.9

166 131.8 88.3 164.1





#50

Dibromochloromethane

Concen: 1.256 ug/L

RT: 10.86 min Scan# 1469

Delta R.T. -0.27 min

Lab File: VW016900.D

Acq: 14 Oct 2020 13:13

Instrument :

MSVOA\_W

ClientSampled :

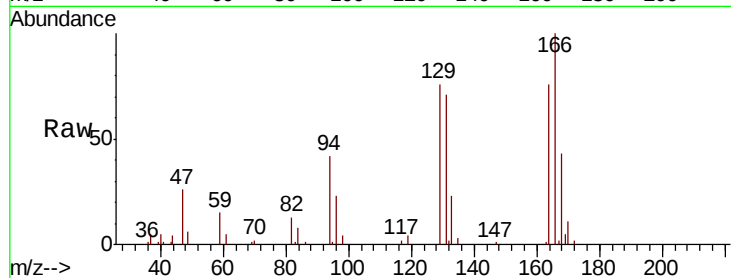
BG3X8

Tot Ion:129 Resp: 7880

Ion Ratio Lower Upper

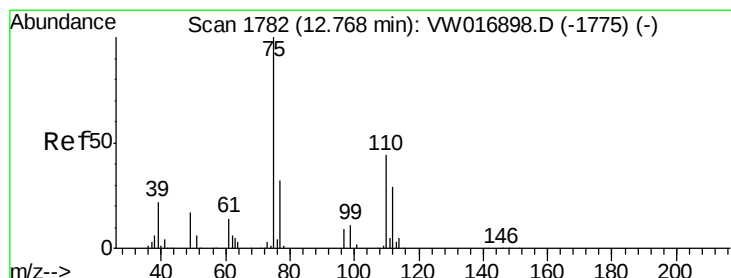
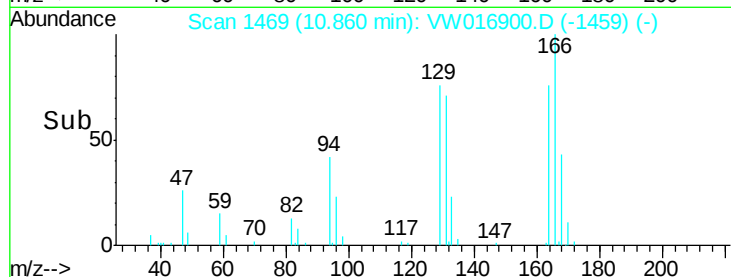
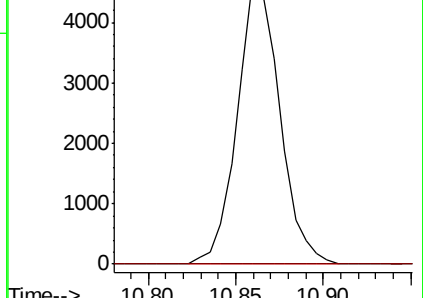
129 100

127 0.0 54.0 100.4#



Abundance Ion 129.00 (128.70 to 129.70): V

Ion 127.00 (126.70 to 127.70): V



#59

1,2,3-Trichloropropane

Concen: 6.143 ug/L

RT: 13.56 min Scan# 1912

Delta R.T. 0.79 min

Lab File: VW016900.D

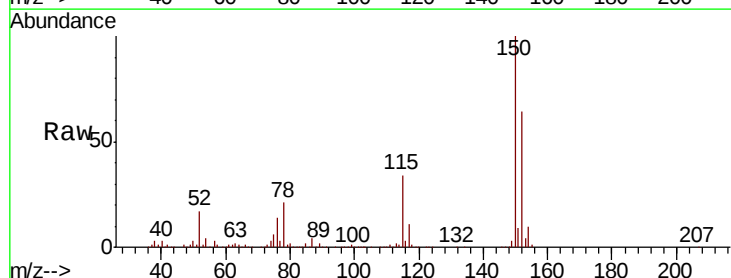
Acq: 14 Oct 2020 13:13

Tgt Ion: 75 Resp: 24830

Ion Ratio Lower Upper

75 100

77 39.2 26.2 39.2



Abundance Ion 75.00 (74.70 to 75.70): VW

Ion 77.00 (76.70 to 77.70): VW

