

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW080720\  
 Data File : VW016086.D  
 Acq On : 07 Aug 2020 21:45  
 Operator : SY/VA  
 Sample : L3564-08  
 Misc : 6.51G/10ML/MSVOA W/SOIL  
 ALS Vial : 1 Sample Multiplier: 1

Instrument :  
 MSVOA\_W  
 ClientSampleId :

Quant Time: Aug 08 05:12:01 2020  
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_W\METHOD\SOM2WLM072020S.M  
 Quant Title : VOC Analysis  
 QLast Update : Sat Aug 08 05:08:58 2020  
 Response via : Initial Calibration

| Internal Standards         | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|----------------------------|-------|------|----------|-------|-------|----------|
| 1) 1,4-Difluorobenzene     | 8.84  | 114  | 390914   | 25.00 | ug/L  | 0.00     |
| 28) Chlorobenzene-d5       | 11.63 | 117  | 366517   | 25.00 | ug/L  | 0.00     |
| 60) 1,4-Dichlorobenzene-d4 | 13.56 | 152  | 142936   | 25.00 | ug/L  | 0.00     |

## System Monitoring Compounds

|                                |        |       |          |          |      |        |
|--------------------------------|--------|-------|----------|----------|------|--------|
| 4) Vinyl Chloride-d3           | 2.35   | 65    | 75390    | 13.67    | ug/L | 0.00   |
| Spiked Amount                  | 25.000 | Range | 30 - 150 | Recovery | =    | 54.68% |
| 7) Chloroethane-d5             | 2.89   | 69    | 66533    | 14.85    | ug/L | 0.00   |
| Spiked Amount                  | 25.000 | Range | 30 - 150 | Recovery | =    | 59.40% |
| 10) 1,1-Dichloroethene-d2      | 4.01   | 63    | 127412   | 11.42    | ug/L | 0.00   |
| Spiked Amount                  | 25.000 | Range | 45 - 110 | Recovery | =    | 45.68% |
| 20) 2-Butanone-d5              | 7.08   | 46    | 52697    | 36.37    | ug/L | -0.01  |
| Spiked Amount                  | 50.000 | Range | 20 - 135 | Recovery | =    | 72.74% |
| 24) Chloroform-d               | 7.65   | 84    | 209537   | 19.09    | ug/L | 0.00   |
| Spiked Amount                  | 25.000 | Range | 40 - 150 | Recovery | =    | 76.36% |
| 26) 1,2-Dichloroethane-d4      | 8.31   | 65    | 109953   | 18.24    | ug/L | 0.00   |
| Spiked Amount                  | 25.000 | Range | 70 - 130 | Recovery | =    | 72.96% |
| 29) Benzene-d6                 | 8.27   | 84    | 410862   | 18.42    | ug/L | 0.00   |
| Spiked Amount                  | 25.000 | Range | 20 - 135 | Recovery | =    | 73.68% |
| 33) 1,2-Dichloropropane-d6     | 9.27   | 67    | 126153   | 18.86    | ug/L | 0.00   |
| Spiked Amount                  | 25.000 | Range | 70 - 120 | Recovery | =    | 75.44% |
| 37) Toluene-d8                 | 10.32  | 98    | 380315   | 18.82    | ug/L | 0.00   |
| Spiked Amount                  | 25.000 | Range | 30 - 130 | Recovery | =    | 75.28% |
| 38) trans-1,3-Dichloropropene- | 10.58  | 79    | 50099    | 17.57    | ug/L | 0.00   |
| Spiked Amount                  | 25.000 | Range | 30 - 135 | Recovery | =    | 70.28% |
| 39) 2-Hexanone-d5              | 10.93  | 63    | 46073    | 41.37    | ug/L | 0.00   |
| Spiked Amount                  | 50.000 | Range | 20 - 135 | Recovery | =    | 82.74% |
| 48) 1,1,2,2-Tetrachloroethane- | 12.69  | 84    | 107066   | 20.83    | ug/L | 0.00   |
| Spiked Amount                  | 25.000 | Range | 45 - 120 | Recovery | =    | 83.32% |
| 61) 1,2-Dichlorobenzene-d4     | 13.85  | 152   | 124502   | 22.34    | ug/L | 0.00   |
| Spiked Amount                  | 25.000 | Range | 75 - 120 | Recovery | =    | 89.36% |

## Target Compounds

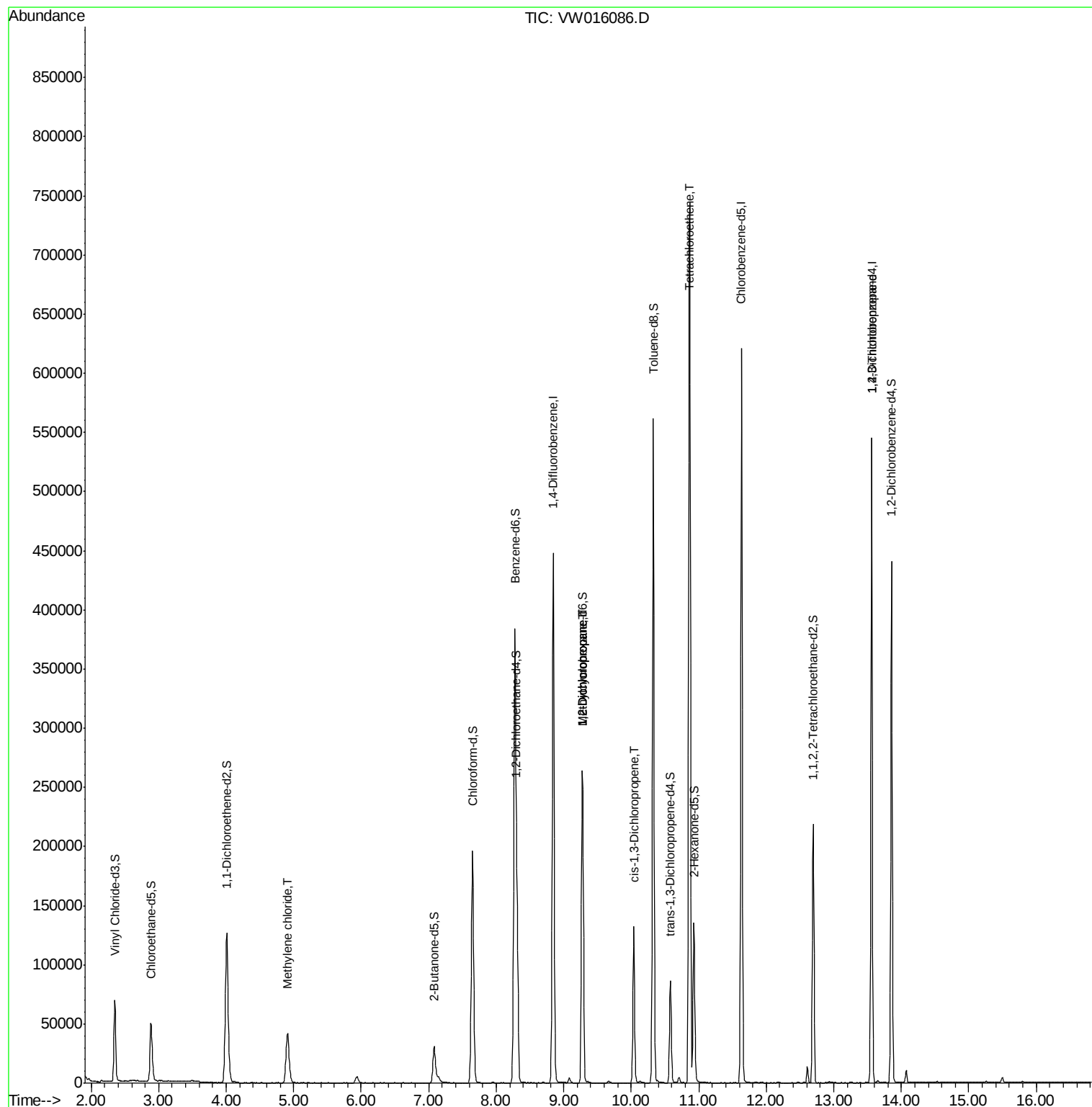
|                             |       |     |        |        | Ovalue    |
|-----------------------------|-------|-----|--------|--------|-----------|
| 16) Methylene chloride      | 4.91  | 84  | 36099  | 5.636  | ug/L 87   |
| 36) Methylcyclohexane       | 9.27  | 83  | 32233  | 3.190  | ug/L # 18 |
| 40) 1,2-Dichloropropane     | 9.27  | 63  | 13553  | 2.458  | ug/L # 88 |
| 42) cis-1,3-Dichloropropene | 10.04 | 75  | 3123   | 0.372  | ug/L # 71 |
| 47) Tetrachloroethene       | 10.87 | 164 | 183669 | 40.183 | ug/L 92   |
| 59) 1,2,3-Trichloropropane  | 13.56 | 75  | 15411  | 4.417  | ug/L 92   |

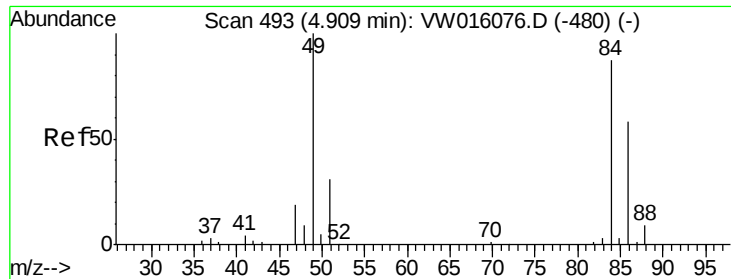
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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QLast Update : Sat Aug 08 05:08:58 2020  
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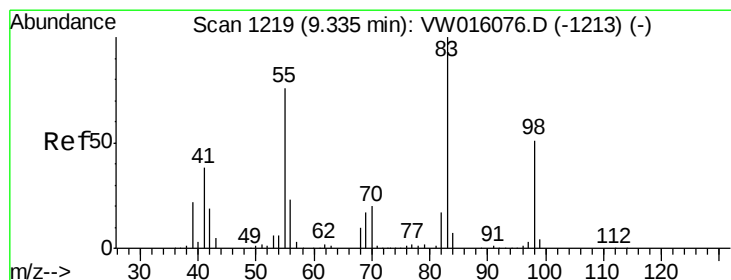
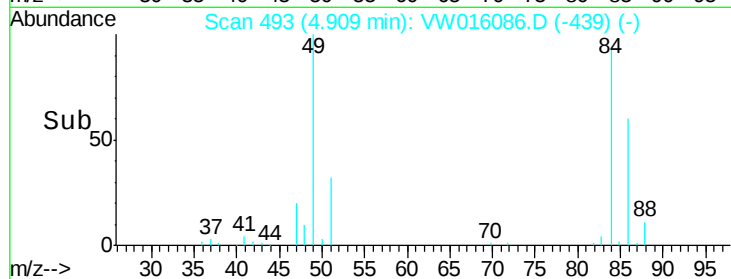
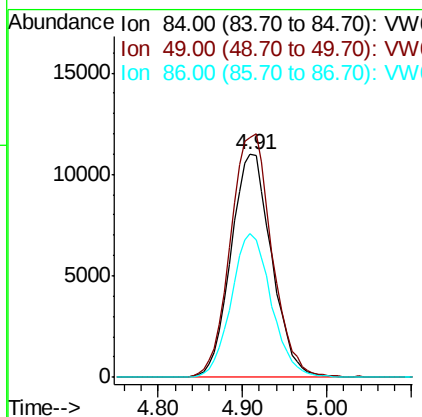
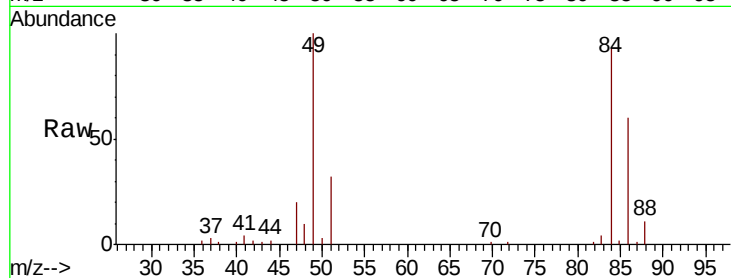




#16  
Methylene chloride  
Concen: 5.636 ug/L  
RT: 4.91 min Scan# 493  
Delta R.T. -0.00 min  
Lab File: VW016086.D  
Acq: 07 Aug 2020 21:45

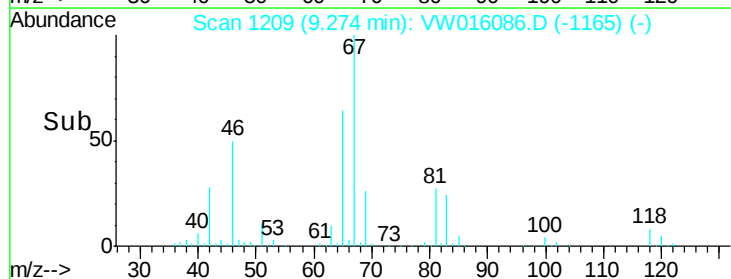
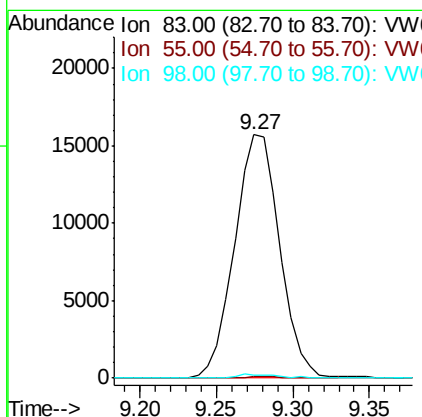
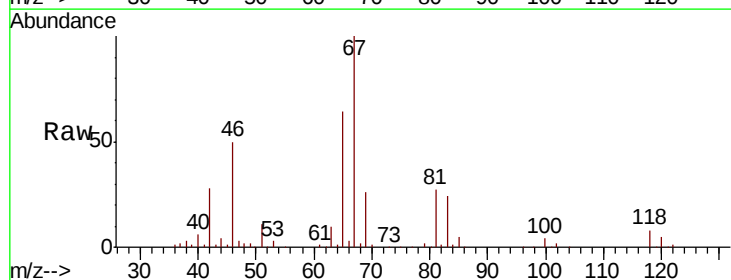
Instrument :  
MSVOA\_W  
ClientSampleId :

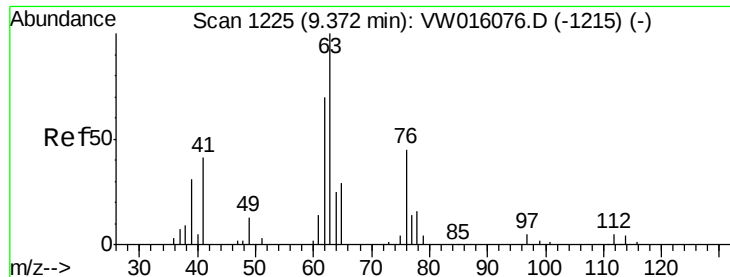
Tot Ion: 84 Resp: 36099  
Ion Ratio Lower Upper  
84 100  
49 107.3 91.1 169.1  
86 64.5 46.0 85.4



#36  
Methylcyclohexane  
Concen: 3.190 ug/L  
RT: 9.27 min Scan# 1209  
Delta R.T. -0.06 min  
Lab File: VW016086.D  
Acq: 07 Aug 2020 21:45

Tgt Ion: 83 Resp: 32233  
Ion Ratio Lower Upper  
83 100  
55 0.4 63.5 95.3#  
98 1.6 39.0 58.4#

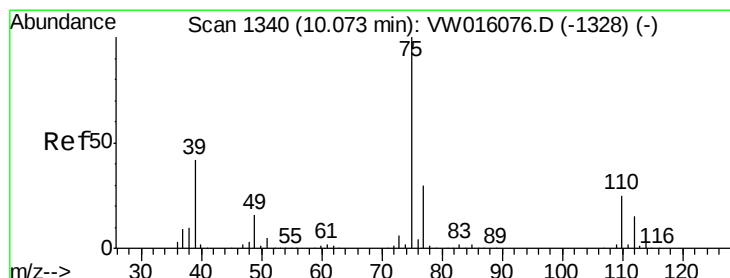
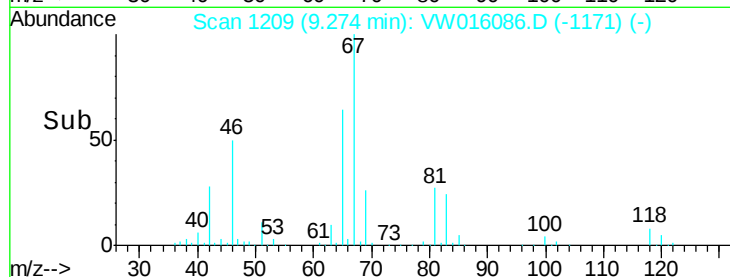
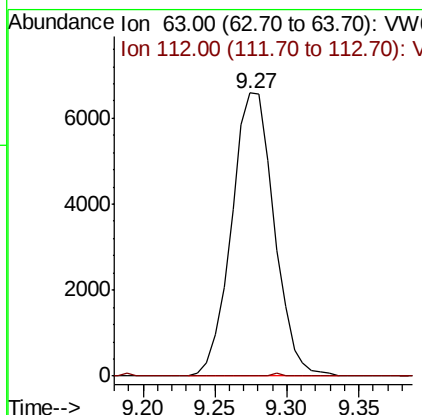
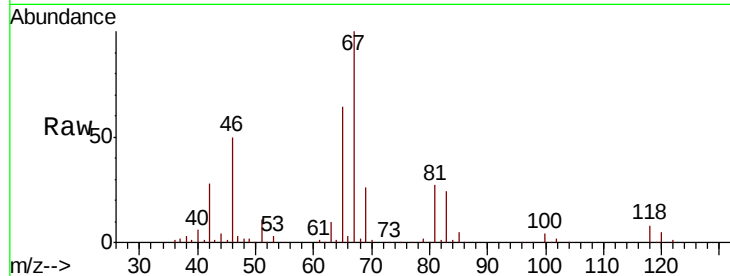




#40  
 1,2-Dichloropropane  
 Concen: 2.458 ug/L  
 RT: 9.27 min Scan# 1209  
 Delta R.T. -0.10 min  
 Lab File: VW016086.D  
 Acq: 07 Aug 2020 21:45

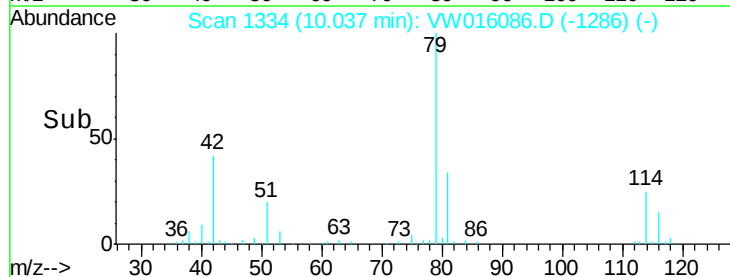
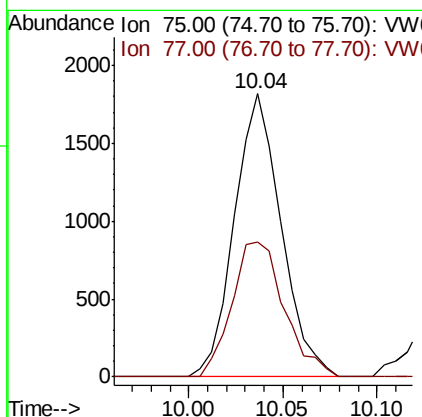
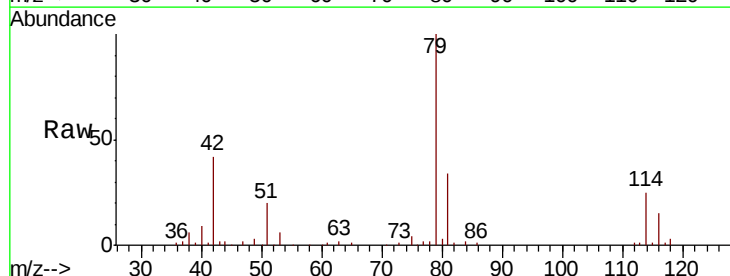
Instrument :  
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 ClientSampleId :

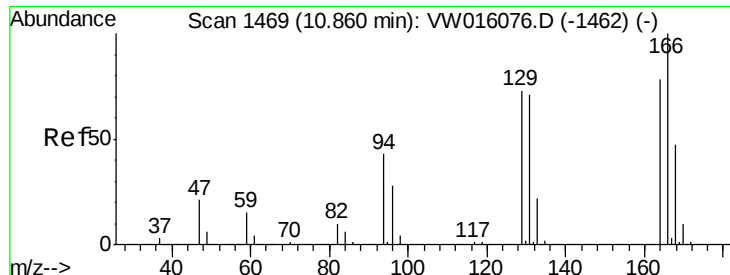
Tot Ion: 63 Resp: 13553  
 Ion Ratio Lower Upper  
 63 100  
 112 0.5 3.7 5.5#



#42  
 cis-1,3-Dichloropropene  
 Concen: 0.372 ug/L  
 RT: 10.04 min Scan# 1334  
 Delta R.T. -0.04 min  
 Lab File: VW016086.D  
 Acq: 07 Aug 2020 21:45

Tgt Ion: 75 Resp: 3123  
 Ion Ratio Lower Upper  
 75 100  
 77 47.7 22.2 41.2#





#47

Tetrachloroethene

Concen: 40.183 ug/L

RT: 10.87 min Scan# 1470

Delta R.T. 0.01 min

Lab File: VW016086.D

Acq: 07 Aug 2020 21:45

Instrument :

MSVOA\_W

ClientSampleId :

Tot Ion:164 Resp: 183669

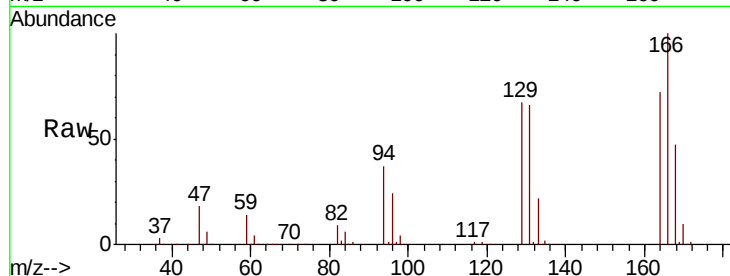
Ion Ratio Lower Upper

164 100

129 92.0 70.0 130.0

131 90.7 67.3 124.9

166 138.2 88.5 164.3

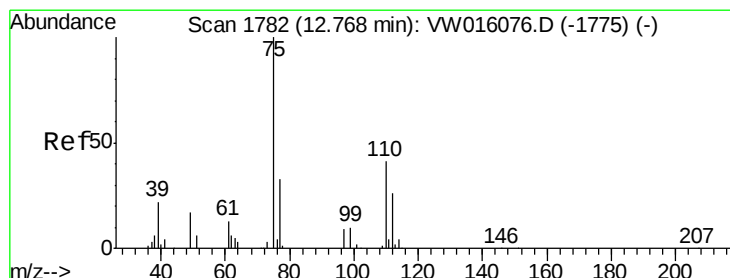
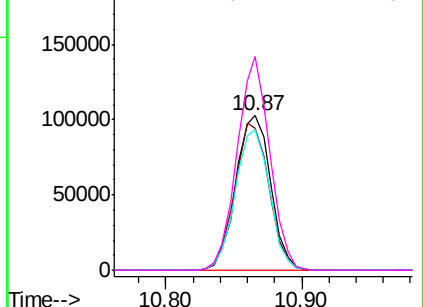
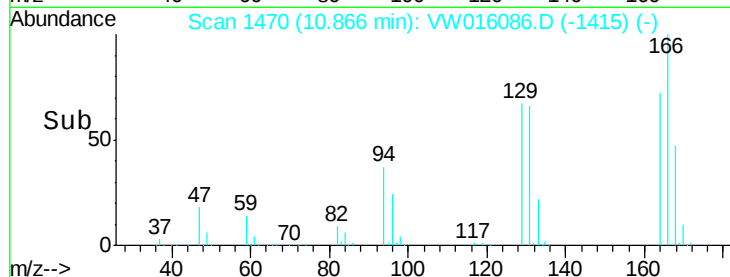


Abundance Ion 164.00 (163.70 to 164.70): V

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



#59

1,2,3-Trichloropropane

Concen: 4.417 ug/L

RT: 13.56 min Scan# 1912

Delta R.T. 0.79 min

Lab File: VW016086.D

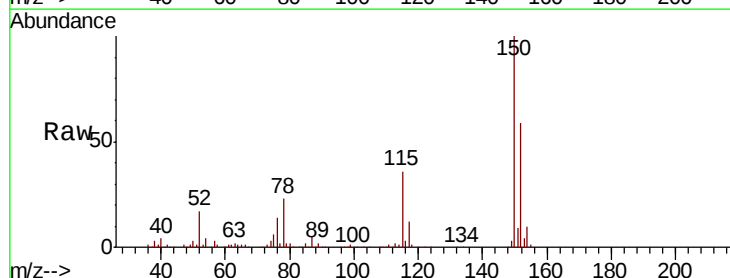
Acq: 07 Aug 2020 21:45

Tgt Ion: 75 Resp: 15411

Ion Ratio Lower Upper

75 100

77 37.1 26.0 39.0



Abundance Ion 75.00 (74.70 to 75.70): VW

Ion 77.00 (76.70 to 77.70): VW

