

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW080720\  
 Data File : VW016091.D  
 Acq On : 07 Aug 2020 23:42  
 Operator : SY/VA  
 Sample : L3579-13  
 Misc : 6.77G/10ML/MSVOA W/SOIL  
 ALS Vial : 1 Sample Multiplier: 1

Instrument :  
 MSVOA\_W  
 ClientSampleId :

Quant Time: Aug 08 05:12:48 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     | 8.85  | 114  | 292115   | 25.00 | ug/L  | 0.00     |
| 28) Chlorobenzene-d5       | 11.63 | 117  | 217370   | 25.00 | ug/L  | 0.00     |
| 60) 1,4-Dichlorobenzene-d4 | 13.56 | 152  | 63414    | 25.00 | ug/L  | 0.00     |

## System Monitoring Compounds

|                                |        |       |          |          |      |         |
|--------------------------------|--------|-------|----------|----------|------|---------|
| 4) Vinyl Chloride-d3           | 2.35   | 65    | 65526    | 15.90    | ug/L | 0.00    |
| Spiked Amount                  | 25.000 | Range | 30 - 150 | Recovery | =    | 63.60%  |
| 7) Chloroethane-d5             | 2.89   | 69    | 58351    | 17.43    | ug/L | 0.00    |
| Spiked Amount                  | 25.000 | Range | 30 - 150 | Recovery | =    | 69.72%  |
| 10) 1,1-Dichloroethene-d2      | 4.01   | 63    | 110022   | 13.20    | ug/L | 0.00    |
| Spiked Amount                  | 25.000 | Range | 45 - 110 | Recovery | =    | 52.80%  |
| 20) 2-Butanone-d5              | 7.08   | 46    | 47326    | 43.71    | ug/L | -0.01   |
| Spiked Amount                  | 50.000 | Range | 20 - 135 | Recovery | =    | 87.42%  |
| 24) Chloroform-d               | 7.65   | 84    | 176193   | 21.48    | ug/L | 0.00    |
| Spiked Amount                  | 25.000 | Range | 40 - 150 | Recovery | =    | 85.92%  |
| 26) 1,2-Dichloroethane-d4      | 8.31   | 65    | 94831    | 21.06    | ug/L | 0.00    |
| Spiked Amount                  | 25.000 | Range | 70 - 130 | Recovery | =    | 84.24%  |
| 29) Benzene-d6                 | 8.27   | 84    | 324251   | 24.51    | ug/L | 0.00    |
| Spiked Amount                  | 25.000 | Range | 20 - 135 | Recovery | =    | 98.04%  |
| 33) 1,2-Dichloropropane-d6     | 9.27   | 67    | 102272   | 25.78    | ug/L | 0.00    |
| Spiked Amount                  | 25.000 | Range | 70 - 120 | Recovery | =    | 103.12% |
| 37) Toluene-d8                 | 10.33  | 98    | 257019   | 21.44    | ug/L | 0.00    |
| Spiked Amount                  | 25.000 | Range | 30 - 130 | Recovery | =    | 85.76%  |
| 38) trans-1,3-Dichloropropene- | 10.58  | 79    | 36725    | 21.72    | ug/L | 0.00    |
| Spiked Amount                  | 25.000 | Range | 30 - 135 | Recovery | =    | 86.88%  |
| 39) 2-Hexanone-d5              | 10.93  | 63    | 39613    | 59.98    | ug/L | 0.00    |
| Spiked Amount                  | 50.000 | Range | 20 - 135 | Recovery | =    | 119.96% |
| 48) 1,1,2,2-Tetrachloroethane- | 12.69  | 84    | 83039    | 27.24    | ug/L | 0.00    |
| Spiked Amount                  | 25.000 | Range | 45 - 120 | Recovery | =    | 108.96% |
| 61) 1,2-Dichlorobenzene-d4     | 13.85  | 152   | 60006    | 24.27    | ug/L | 0.00    |
| Spiked Amount                  | 25.000 | Range | 75 - 120 | Recovery | =    | 97.08%  |

## Target Compounds

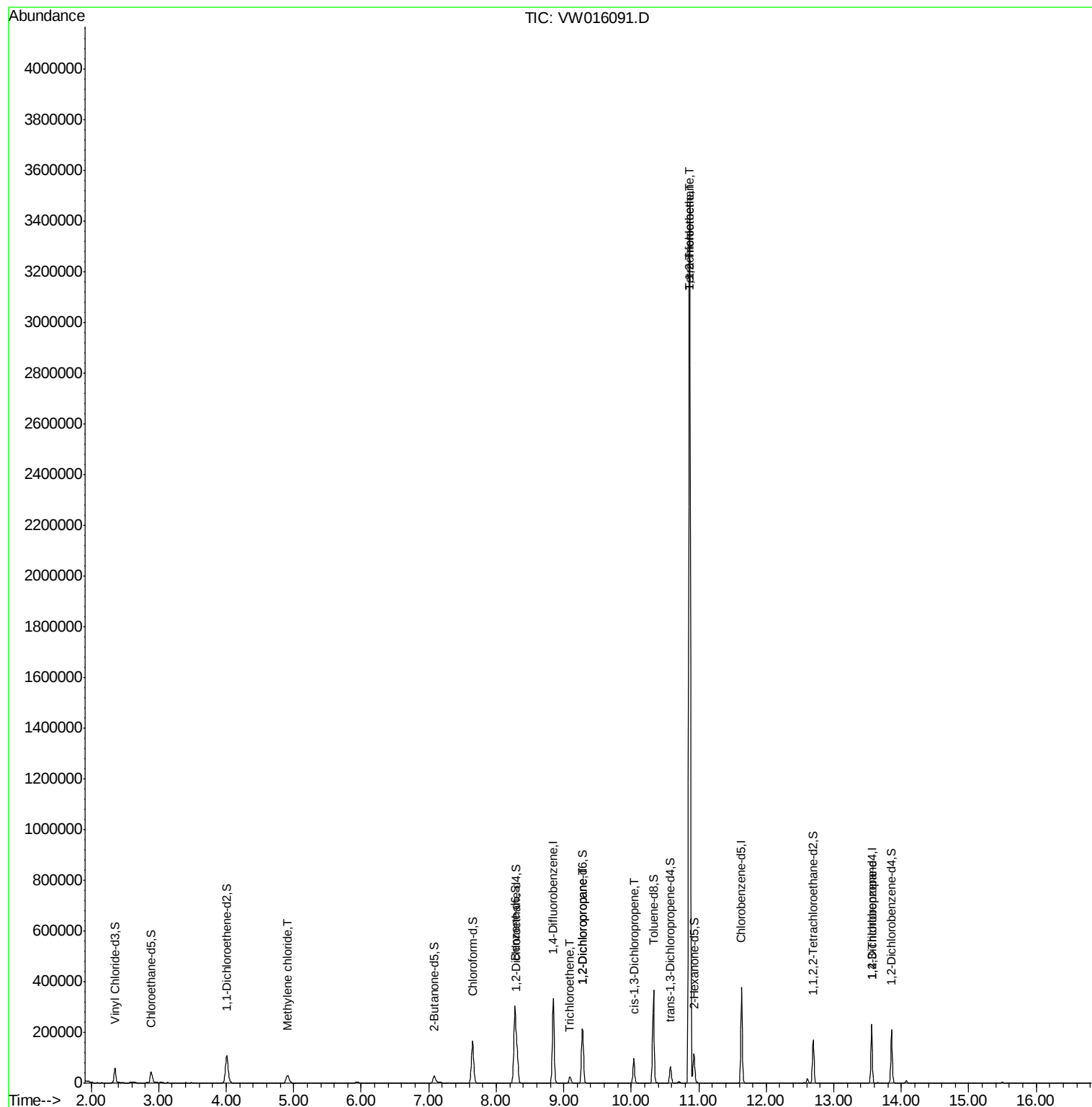
|                             |       |     |        |              | Ovalue |
|-----------------------------|-------|-----|--------|--------------|--------|
| 16) Methylene chloride      | 4.92  | 84  | 25289  | 5.283 ug/L   | 89     |
| 35) Trichloroethene         | 9.09  | 95  | 8427   | 2.413 ug/L   | 93     |
| 40) 1,2-Dichloropropane     | 9.27  | 63  | 11257  | 3.442 ug/L # | 88     |
| 42) cis-1,3-Dichloropropene | 10.04 | 75  | 2351   | 0.472 ug/L # | 72     |
| 46) 1,1,2-Trichloroethane   | 10.86 | 97  | 6634   | 2.821 ug/L # | 1      |
| 47) Tetrachloroethene       | 10.87 | 164 | 847395 | 312.596 ug/L | 90     |
| 59) 1,2,3-Trichloropropane  | 13.56 | 75  | 6827   | 3.299 ug/L   | 91     |

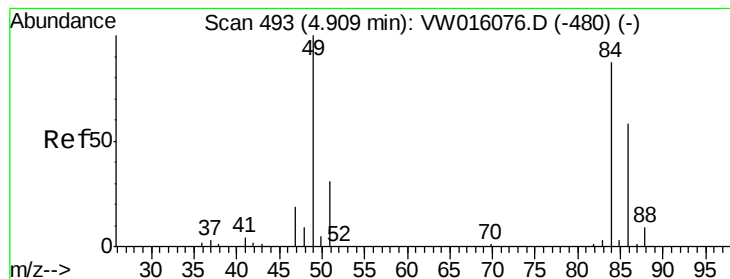
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW080720\  
Data File : VW016091.D  
Acq On : 07 Aug 2020 23:42  
Operator : SY/VA  
Sample : L3579-13  
Misc : 6.77G/10ML/MSVOA W/SOIL  
ALS Vial : 1 Sample Multiplier: 1

Instrument :  
MSVOA\_W  
ClientSampleId :

Quant Time: Aug 08 05:12:48 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





#16

Methvlene chloride

Concen: 5.283 ug/L

RT: 4.92 min Scan# 494

Delta R.T. 0.01 min

Lab File: VW016091.D

Acq: 07 Aug 2020 23:42

Instrument :

MSVOA\_W

ClientSampled :

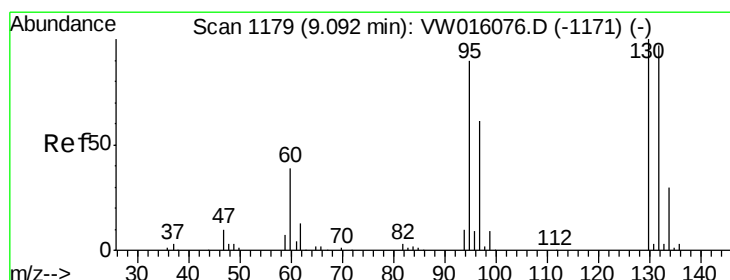
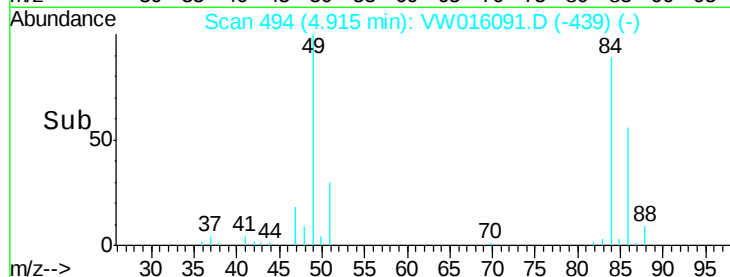
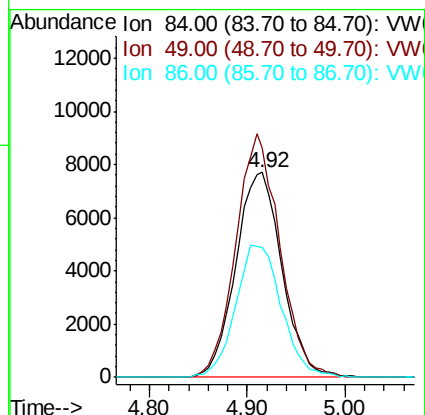
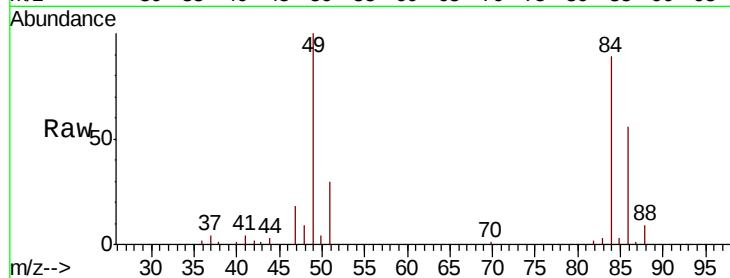
Tot Ion: 84 Resp: 25289

Ion Ratio Lower Upper

84 100

49 112.1 91.1 169.1

86 63.1 46.0 85.4



#35

Trichloroethene

Concen: 2.413 ug/L

RT: 9.09 min Scan# 1179

Delta R.T. -0.00 min

Lab File: VW016091.D

Acq: 07 Aug 2020 23:42

Tgt Ion: 95 Resp: 8427

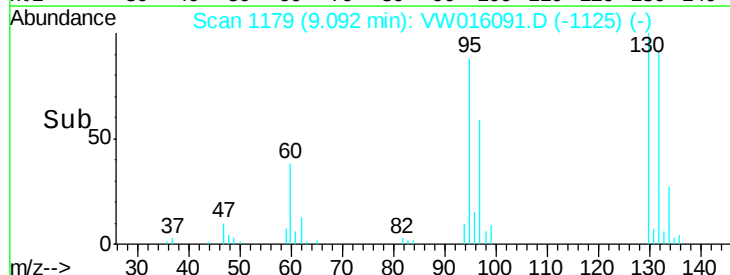
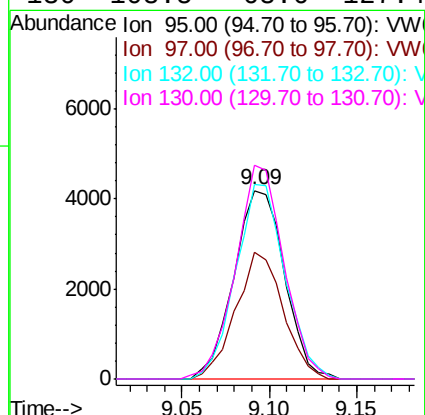
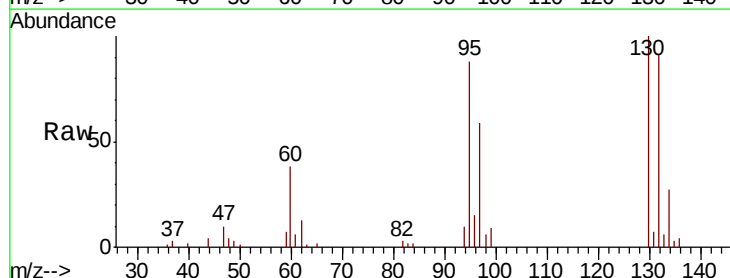
Ion Ratio Lower Upper

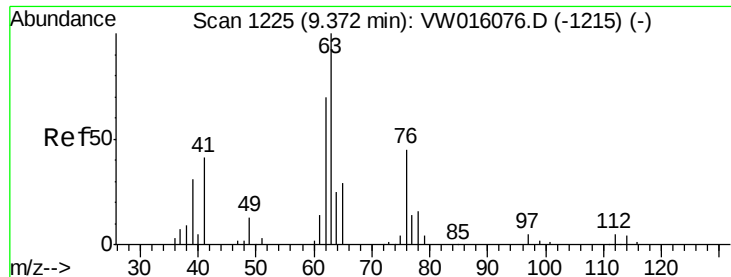
95 100

97 63.2 44.4 82.4

132 100.7 65.1 120.9

130 108.5 68.6 127.4

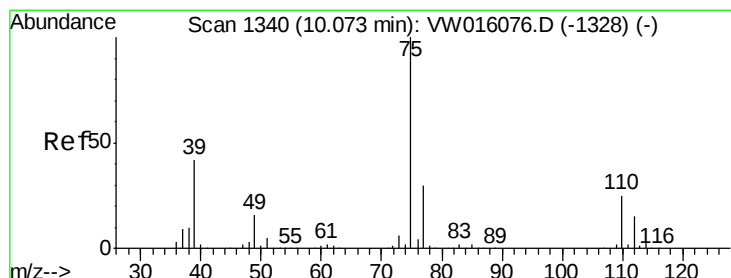
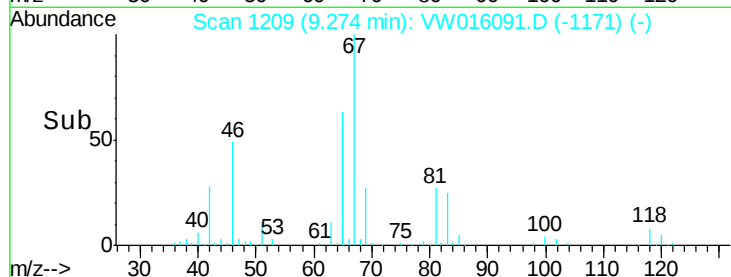
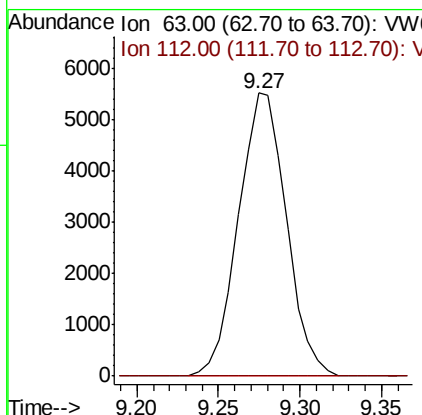
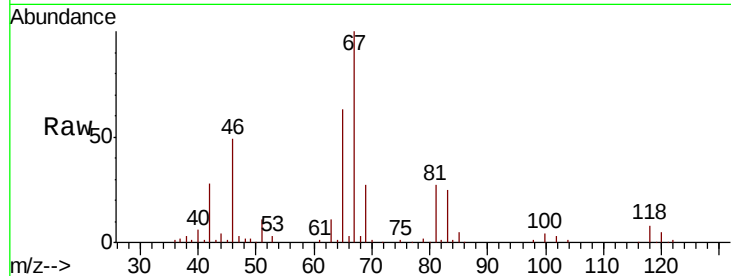




#40  
 1,2-Dichloropropane  
 Concen: 3.442 ug/L  
 RT: 9.27 min Scan# 1209  
 Delta R.T. -0.10 min  
 Lab File: VW016091.D  
 Acq: 07 Aug 2020 23:42

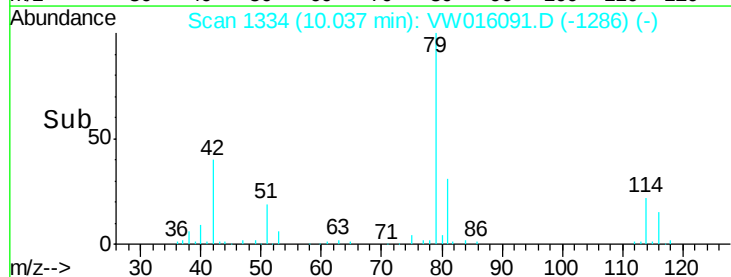
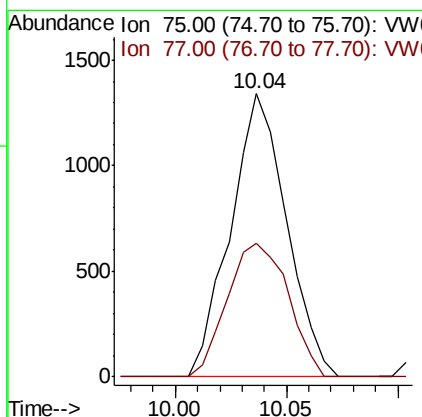
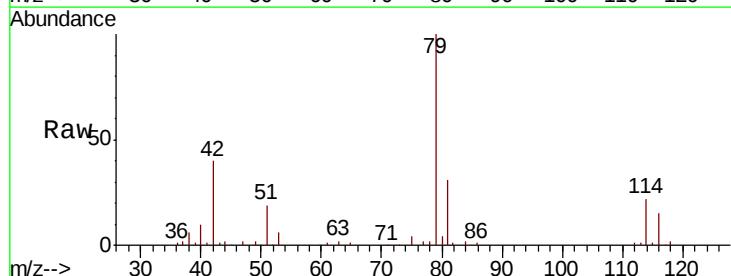
Instrument :  
 MSVOA\_W  
 ClientSampleId :

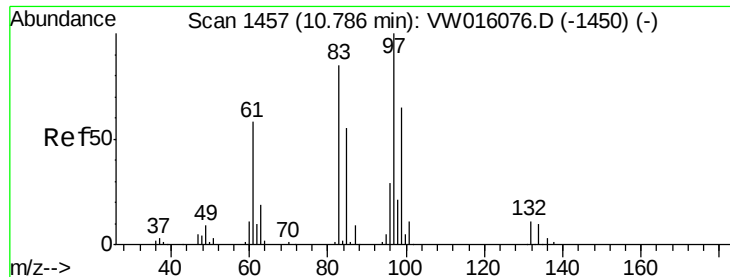
Tot Ion: 63 Resp: 11257  
 Ion Ratio Lower Upper  
 63 100  
 112 0.6 3.7 5.5#



#42  
 cis-1,3-Dichloropropene  
 Concen: 0.472 ug/L  
 RT: 10.04 min Scan# 1334  
 Delta R.T. -0.04 min  
 Lab File: VW016091.D  
 Acq: 07 Aug 2020 23:42

Tgt Ion: 75 Resp: 2351  
 Ion Ratio Lower Upper  
 75 100  
 77 47.1 22.2 41.2#

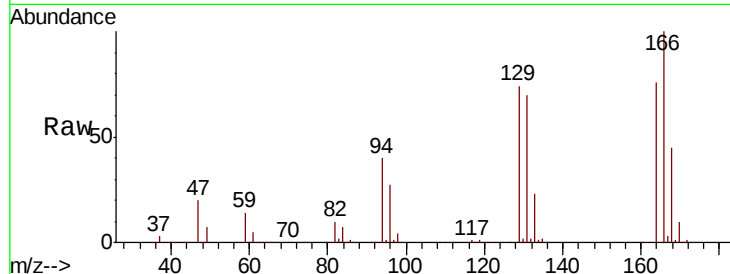




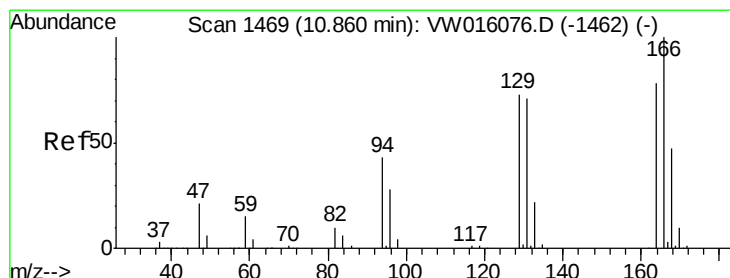
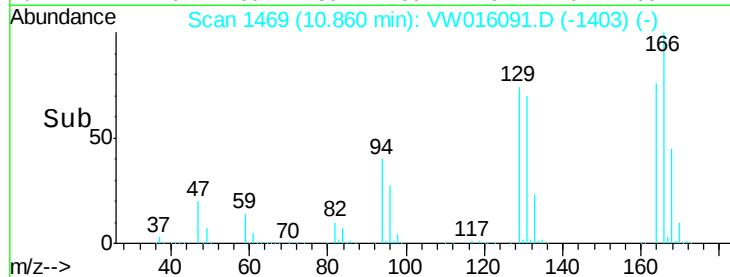
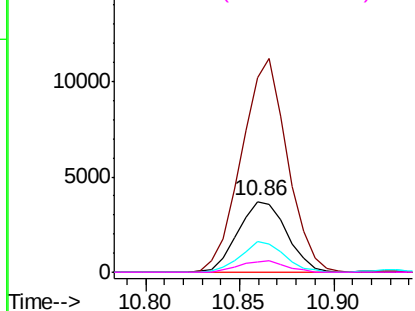
#46  
1,1,2-Trichloroethane  
Concen: 2.821 ug/L  
RT: 10.86 min Scan# 1469  
Delta R.T. 0.07 min  
Lab File: VW016091.D  
Acq: 07 Aug 2020 23:42

Instrument :  
MSVOA\_W  
ClientSampleId :

Tot Ion: 97 Resp: 6634  
Ion Ratio Lower Upper  
97 100  
83 273.2 60.6 112.6#  
85 43.2 38.9 72.2  
99 14.7 43.1 80.1#



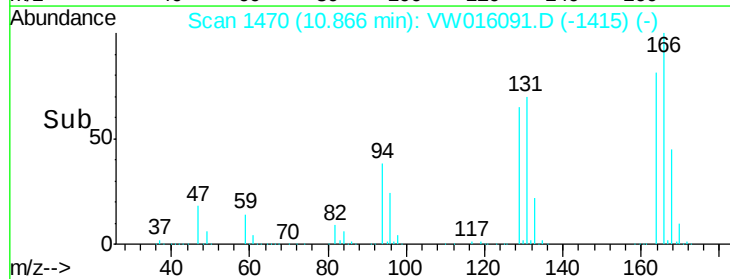
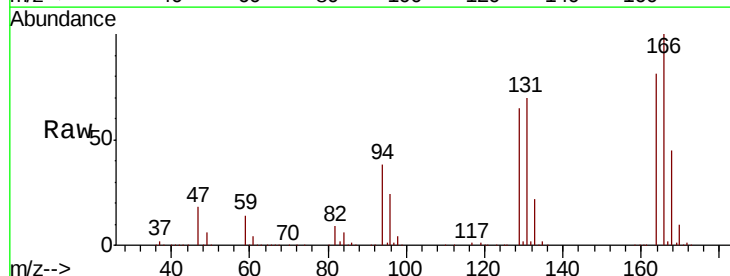
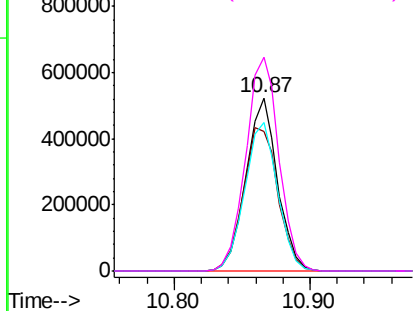
Abundance Ion 97.00 (96.70 to 97.70): VW  
Ion 83.00 (82.70 to 83.70): VW  
Ion 85.00 (84.70 to 85.70): VW  
Ion 99.00 (98.70 to 99.70): VW

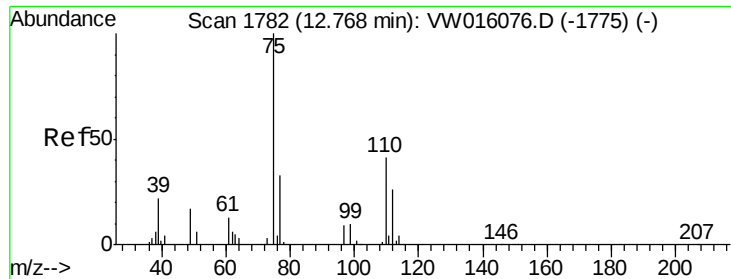


#47  
Tetrachloroethene  
Concen: 312.596 ug/L  
RT: 10.87 min Scan# 1470  
Delta R.T. 0.01 min  
Lab File: VW016091.D  
Acq: 07 Aug 2020 23:42

Tgt Ion: 164 Resp: 847395  
Ion Ratio Lower Upper  
164 100  
129 80.6 70.0 130.0  
131 86.2 67.3 124.9  
166 123.6 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: 3.299 ug/L

RT: 13.56 min Scan# 1912

Delta R.T. 0.79 min

Lab File: VW016091.D

Acq: 07 Aug 2020 23:42

Instrument :

MSVOA\_W

ClientSampleId :

Tot Ion: 75 Resp: 6827

Ion Ratio Lower Upper

75 100

77 37.3 26.0 39.0

