

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW100120\  
 Data File : VW016732.D  
 Acq On : 01 Oct 2020 12:39  
 Operator : SY/VA  
 Sample : L4201-12  
 Misc : 4.63G/10ML/MSVOA W/SOIL  
 ALS Vial : 10 Sample Multiplier: 1

Instrument :  
 MSVOA\_W  
 ClientSampleId :

Quant Time: Oct 01 21:34:44 2020  
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_W\METHOD\SOM2WLM091520S.M  
 Quant Title : VOC Analysis  
 QLast Update : Thu Oct 01 21:33:07 2020  
 Response via : Initial Calibration

| Internal Standards         | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|----------------------------|-------|------|----------|-------|-------|----------|
| 1) 1,4-Difluorobenzene     | 8.85  | 114  | 691302   | 25.00 | ug/L  | 0.00     |
| 28) Chlorobenzene-d5       | 11.63 | 117  | 624591   | 25.00 | ug/L  | 0.00     |
| 60) 1,4-Dichlorobenzene-d4 | 13.56 | 152  | 297121   | 25.00 | ug/L  | 0.00     |

## System Monitoring Compounds

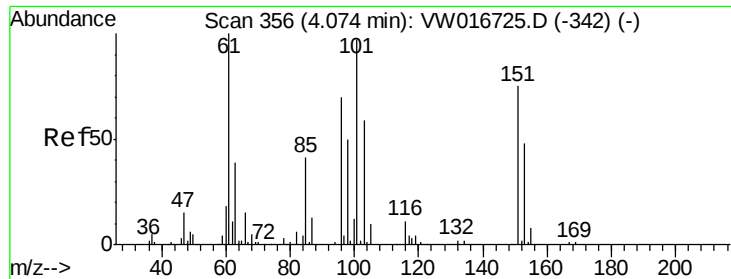
|                                |        |       |          |          |      |         |
|--------------------------------|--------|-------|----------|----------|------|---------|
| 4) Vinyl Chloride-d3           | 2.37   | 65    | 121116   | 18.10    | ug/L | 0.00    |
| Spiked Amount                  | 25.000 | Range | 30 - 150 | Recovery | =    | 72.40%  |
| 7) Chloroethane-d5             | 2.91   | 69    | 117423   | 21.49    | ug/L | 0.00    |
| Spiked Amount                  | 25.000 | Range | 30 - 150 | Recovery | =    | 85.96%  |
| 10) 1,1-Dichloroethene-d2      | 4.03   | 63    | 208053   | 13.91    | ug/L | 0.00    |
| Spiked Amount                  | 25.000 | Range | 45 - 110 | Recovery | =    | 55.64%  |
| 20) 2-Butanone-d5              | 7.09   | 46    | 70050    | 38.40    | ug/L | 0.00    |
| Spiked Amount                  | 50.000 | Range | 20 - 135 | Recovery | =    | 76.80%  |
| 24) Chloroform-d               | 7.66   | 84    | 348759   | 24.12    | ug/L | 0.00    |
| Spiked Amount                  | 25.000 | Range | 40 - 150 | Recovery | =    | 96.48%  |
| 26) 1,2-Dichloroethane-d4      | 8.31   | 65    | 173875   | 23.42    | ug/L | 0.00    |
| Spiked Amount                  | 25.000 | Range | 70 - 130 | Recovery | =    | 93.68%  |
| 29) Benzene-d6                 | 8.28   | 84    | 675382   | 24.11    | ug/L | 0.00    |
| Spiked Amount                  | 25.000 | Range | 20 - 135 | Recovery | =    | 96.44%  |
| 33) 1,2-Dichloropropane-d6     | 9.28   | 67    | 190714   | 25.12    | ug/L | 0.00    |
| Spiked Amount                  | 25.000 | Range | 70 - 120 | Recovery | =    | 100.48% |
| 37) Toluene-d8                 | 10.33  | 98    | 624466   | 22.66    | ug/L | 0.00    |
| Spiked Amount                  | 25.000 | Range | 30 - 130 | Recovery | =    | 90.64%  |
| 38) trans-1,3-Dichloropropene- | 10.59  | 79    | 75441    | 19.71    | ug/L | 0.00    |
| Spiked Amount                  | 25.000 | Range | 30 - 135 | Recovery | =    | 78.84%  |
| 39) 2-Hexanone-d5              | 10.93  | 63    | 59424    | 43.04    | ug/L | 0.00    |
| Spiked Amount                  | 50.000 | Range | 20 - 135 | Recovery | =    | 86.08%  |
| 48) 1,1,2,2-Tetrachloroethane- | 12.69  | 84    | 150069   | 23.23    | ug/L | 0.00    |
| Spiked Amount                  | 25.000 | Range | 45 - 120 | Recovery | =    | 92.92%  |
| 61) 1,2-Dichlorobenzene-d4     | 13.85  | 152   | 243794   | 25.68    | ug/L | 0.00    |
| Spiked Amount                  | 25.000 | Range | 75 - 120 | Recovery | =    | 102.72% |

## Target Compounds

|                                |       |     |       |              | Ovalue |
|--------------------------------|-------|-----|-------|--------------|--------|
| 11) 1,1,2-Trichloro-1,2,2-trif | 4.03  | 101 | 2294  | 0.258 ug/L # | 17     |
| 13) Acetone                    | 4.16  | 43  | 2167  | 1.516 ug/L   | 74     |
| 35) Trichloroethene            | 8.85  | 95  | 19835 | 2.048 ug/L # | 2      |
| 42) cis-1,3-Dichloropropene    | 10.04 | 75  | 5674  | 0.427 ug/L # | 73     |
| 45) trans-1,3-Dichloropropene  | 10.59 | 75  | 3429  | 0.296 ug/L # | 80     |
| 59) 1,2,3-Trichloropropane     | 13.56 | 75  | 30173 | 5.523 ug/L   | 90     |

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





#11

1,1,2-Trichloro-1,2,2-trifluoroethane

Concen: 0.258 ug/L

RT: 4.03 min Scan# 349

Delta R.T. -0.04 min

Lab File: VW016732.D

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Instrument :

MSVOA\_W

ClientSampleId :

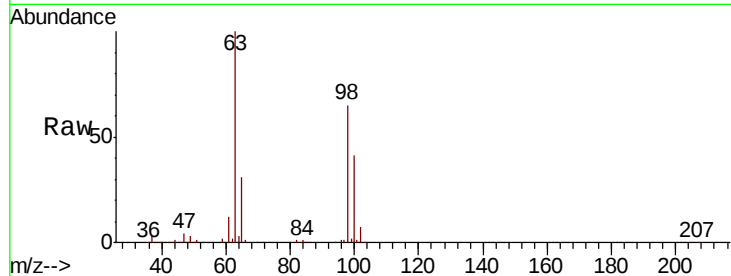
Tot Ion:101 Resp: 2294

Ion Ratio Lower Upper

101 100

85 0.0 32.6 49.0#

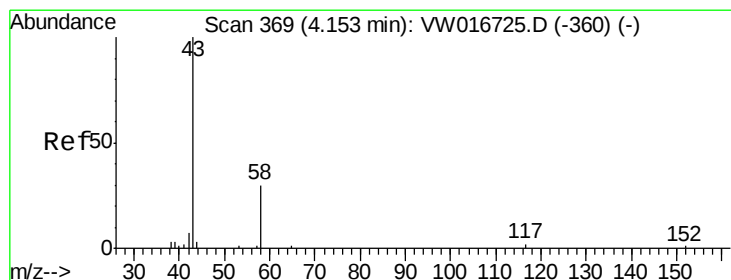
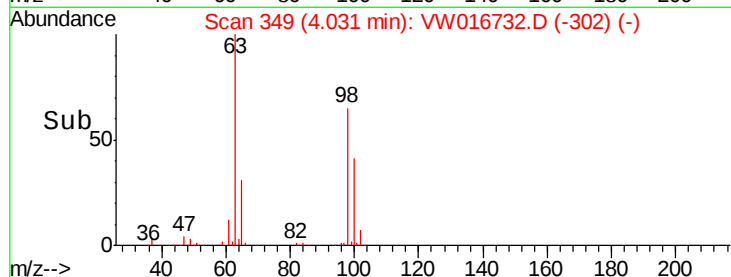
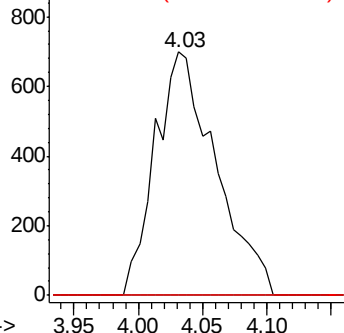
151 0.0 66.0 99.0#



Abundance Ion 101.00 (100.70 to 101.70): V

Ion 85.00 (84.70 to 85.70): VW

Ion 151.00 (150.70 to 151.70): V



#13

Acetone

Concen: 1.516 ug/L

RT: 4.16 min Scan# 370

Delta R.T. 0.01 min

Lab File: VW016732.D

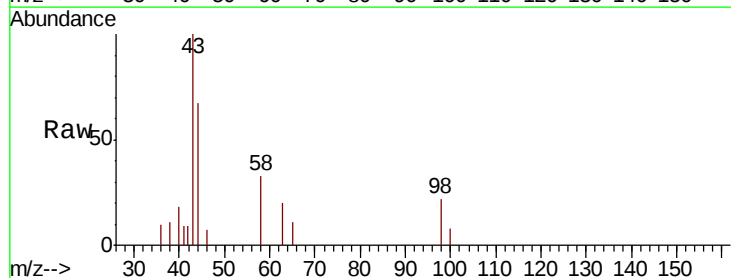
Acq: 01 Oct 2020 12:39

Tgt Ion: 43 Resp: 2167

Ion Ratio Lower Upper

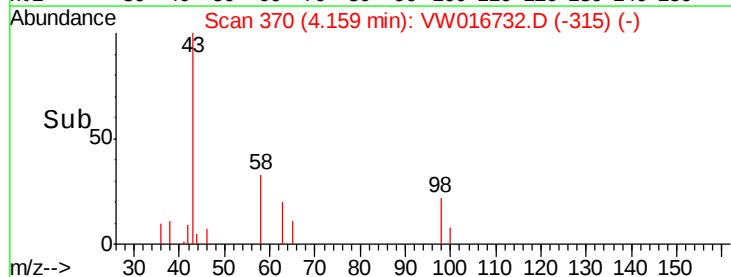
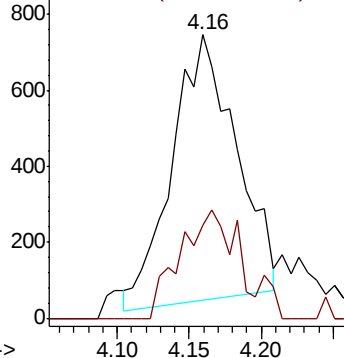
43 100

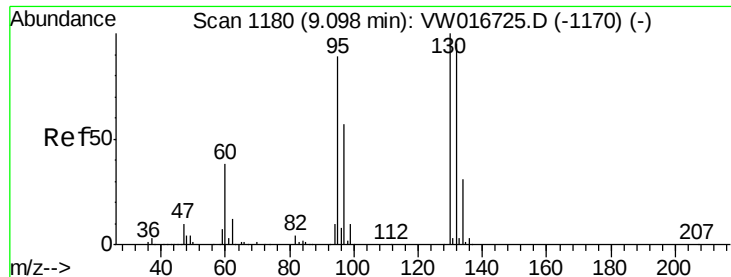
58 15.8 0.0 60.2



Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 58.00 (57.70 to 58.70): VW

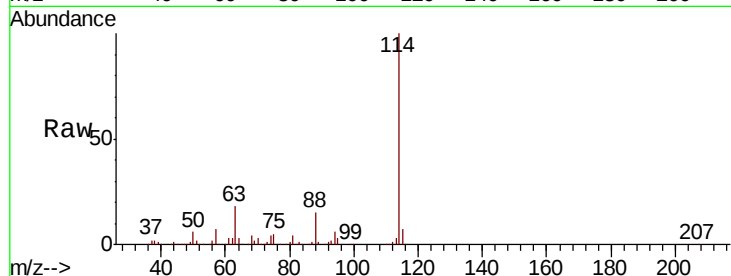




#35  
 Trichloroethene  
 Concen: 2.048 ug/L  
 RT: 8.85 min Scan# 1139  
 Delta R.T. -0.25 min  
 Lab File: VW016732.D  
 Acq: 01 Oct 2020 12:39

Instrument :  
 MSVOA\_W  
 ClientSampled :

| Tot Ion   | 95    | Resp  | 19835  |
|-----------|-------|-------|--------|
| Ion Ratio | Lower | Upper |        |
| 95        | 100   |       |        |
| 97        | 0.5   | 45.2  | 84.0#  |
| 132       | 0.3   | 73.3  | 136.1# |
| 130       | 0.0   | 77.5  | 143.9# |



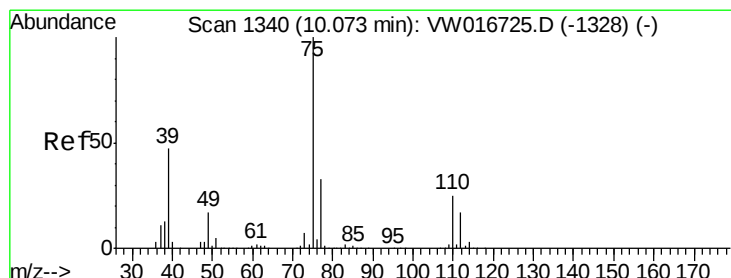
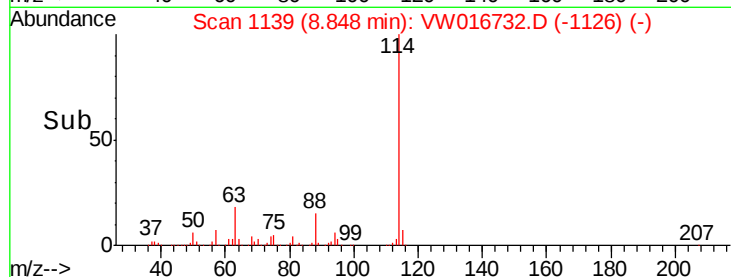
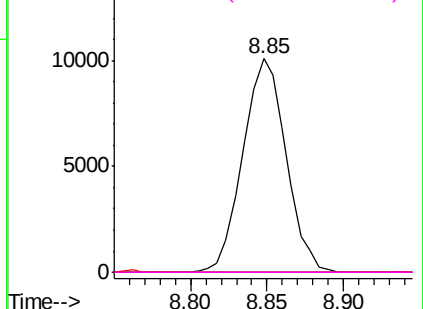
Abundance

Ion 95.00 (94.70 to 95.70): VW

Ion 97.00 (96.70 to 97.70): VW

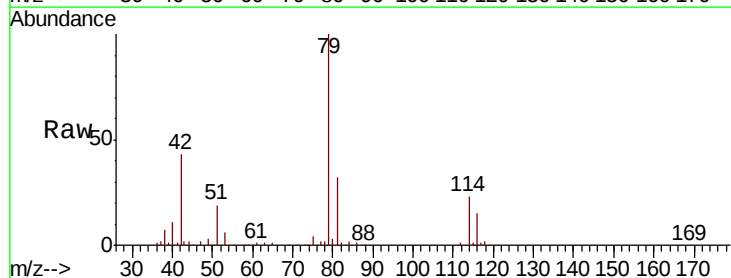
Ion 132.00 (131.70 to 132.70): V

Ion 130.00 (129.70 to 130.70): V



#42  
 cis-1,3-Dichloropropene  
 Concen: 0.427 ug/L  
 RT: 10.04 min Scan# 1334  
 Delta R.T. -0.04 min  
 Lab File: VW016732.D  
 Acq: 01 Oct 2020 12:39

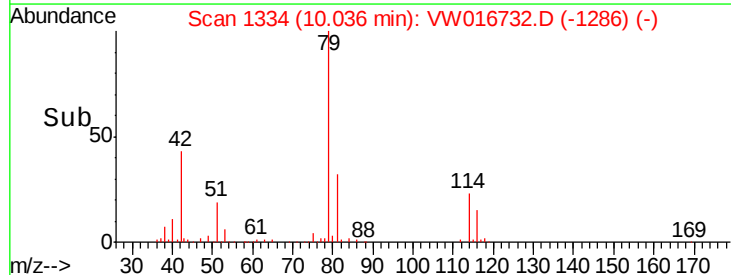
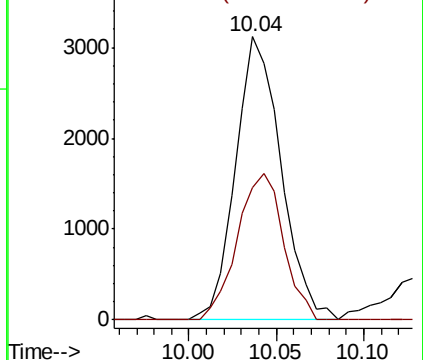
| Tgt Ion   | 75    | Resp  | 5674  |
|-----------|-------|-------|-------|
| Ion Ratio | Lower | Upper |       |
| 75        | 100   |       |       |
| 77        | 46.8  | 22.2  | 41.2# |

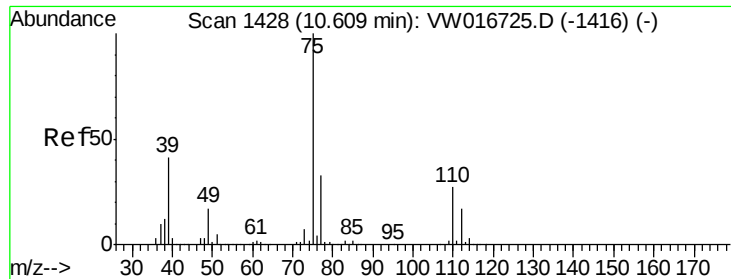


Abundance

Ion 75.00 (74.70 to 75.70): VW

Ion 77.00 (76.70 to 77.70): VW





#45

trans-1,3-Dichloropropene

Concen: 0.296 ug/L

RT: 10.59 min Scan# 1424

Delta R.T. -0.02 min

Lab File: VW016732.D

Acq: 01 Oct 2020 12:39

Instrument :

MSVOA\_W

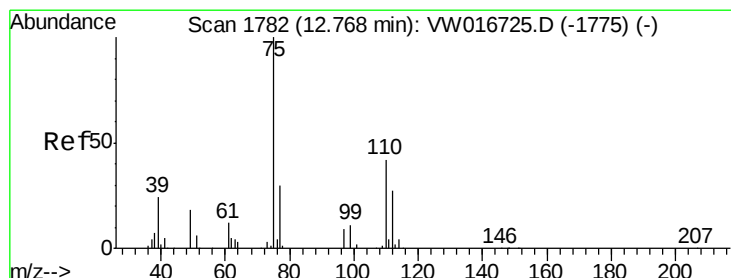
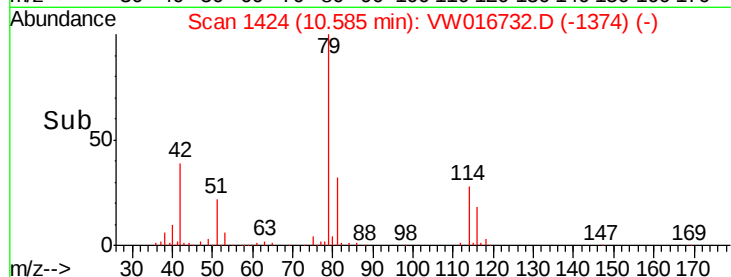
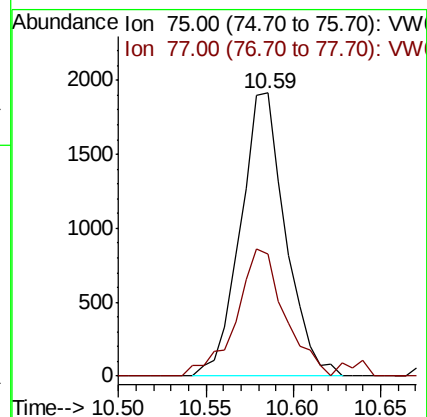
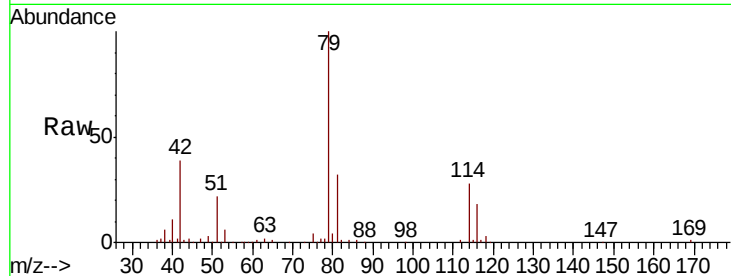
ClientSampleId :

Tot Ion: 75 Resp: 3429

Ion Ratio Lower Upper

75 100

77 43.2 22.5 41.9#



#59

1,2,3-Trichloropropane

Concen: 5.523 ug/L

RT: 13.56 min Scan# 1912

Delta R.T. 0.79 min

Lab File: VW016732.D

Acq: 01 Oct 2020 12:39

Tgt Ion: 75 Resp: 30173

Ion Ratio Lower Upper

75 100

77 38.7 26.2 39.4

