

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW102519\  
 Data File : VW013754.D  
 Acq On : 25 Oct 2019 17:50  
 Operator : SY/VA  
 Sample : K5549-11  
 Misc : 4.63G/10ML/MSVOA W/SOIL  
 ALS Vial : 1 Sample Multiplier: 1

Instrument :  
 MSVOA\_W  
 ClientSampleId :  
 GAQ64

Quant Time: Oct 26 03:42:27 2019  
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_W\METHOD\SOM2WLM101819S.M  
 Quant Title : VOC Analysis  
 QLast Update : Sat Oct 26 03:37:49 2019  
 Response via : Initial Calibration

| Internal Standards         | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|----------------------------|-------|------|----------|-------|-------|----------|
| 1) 1,4-Difluorobenzene     | 8.84  | 114  | 289793   | 25.00 | ug/L  | 0.00     |
| 28) Chlorobenzene-d5       | 11.63 | 117  | 264217   | 25.00 | ug/L  | 0.00     |
| 60) 1,4-Dichlorobenzene-d4 | 13.55 | 152  | 125525   | 25.00 | ug/L  | 0.00     |

## System Monitoring Compounds

|                                |        |       |          |          |      |          |
|--------------------------------|--------|-------|----------|----------|------|----------|
| 4) Vinyl Chloride-d3           | 2.36   | 65    | 104238   | 29.32    | ug/L | 0.00     |
| Spiked Amount                  | 25.000 | Range | 30 - 150 | Recovery | =    | 117.28%  |
| 7) Chloroethane-d5             | 2.89   | 69    | 82714    | 24.92    | ug/L | 0.00     |
| Spiked Amount                  | 25.000 | Range | 30 - 150 | Recovery | =    | 99.68%   |
| 10) 1,1-Dichloroethene-d2      | 4.02   | 63    | 156462   | 19.92    | ug/L | 0.00     |
| Spiked Amount                  | 25.000 | Range | 45 - 110 | Recovery | =    | 79.68%   |
| 20) 2-Butanone-d5              | 7.08   | 46    | 89311    | 70.23    | ug/L | 0.00     |
| Spiked Amount                  | 50.000 | Range | 20 - 135 | Recovery | =    | 140.46%# |
| 24) Chloroform-d               | 7.65   | 84    | 209880   | 25.88    | ug/L | 0.00     |
| Spiked Amount                  | 25.000 | Range | 40 - 150 | Recovery | =    | 103.52%  |
| 26) 1,2-Dichloroethane-d4      | 8.31   | 65    | 122409   | 28.87    | ug/L | 0.00     |
| Spiked Amount                  | 25.000 | Range | 70 - 130 | Recovery | =    | 115.48%  |
| 29) Benzene-d6                 | 8.27   | 84    | 442615   | 27.88    | ug/L | 0.00     |
| Spiked Amount                  | 25.000 | Range | 20 - 135 | Recovery | =    | 111.52%  |
| 33) 1,2-Dichloropropane-d6     | 9.27   | 67    | 136073   | 28.70    | ug/L | 0.00     |
| Spiked Amount                  | 25.000 | Range | 70 - 120 | Recovery | =    | 114.80%  |
| 37) Toluene-d8                 | 10.32  | 98    | 395447   | 27.01    | ug/L | 0.00     |
| Spiked Amount                  | 25.000 | Range | 30 - 130 | Recovery | =    | 108.04%  |
| 38) trans-1,3-Dichloropropene- | 10.58  | 79    | 58076    | 27.15    | ug/L | 0.00     |
| Spiked Amount                  | 25.000 | Range | 30 - 135 | Recovery | =    | 108.60%  |
| 39) 2-Hexanone-d5              | 10.93  | 63    | 70943    | 78.28    | ug/L | 0.00     |
| Spiked Amount                  | 50.000 | Range | 20 - 135 | Recovery | =    | 156.56%# |
| 48) 1,1,2,2-Tetrachloroethane- | 12.69  | 84    | 126028   | 32.46    | ug/L | 0.00     |
| Spiked Amount                  | 25.000 | Range | 45 - 120 | Recovery | =    | 129.84%# |
| 61) 1,2-Dichlorobenzene-d4     | 13.85  | 152   | 115894   | 26.13    | ug/L | 0.00     |
| Spiked Amount                  | 25.000 | Range | 75 - 120 | Recovery | =    | 104.52%  |

## Target Compounds

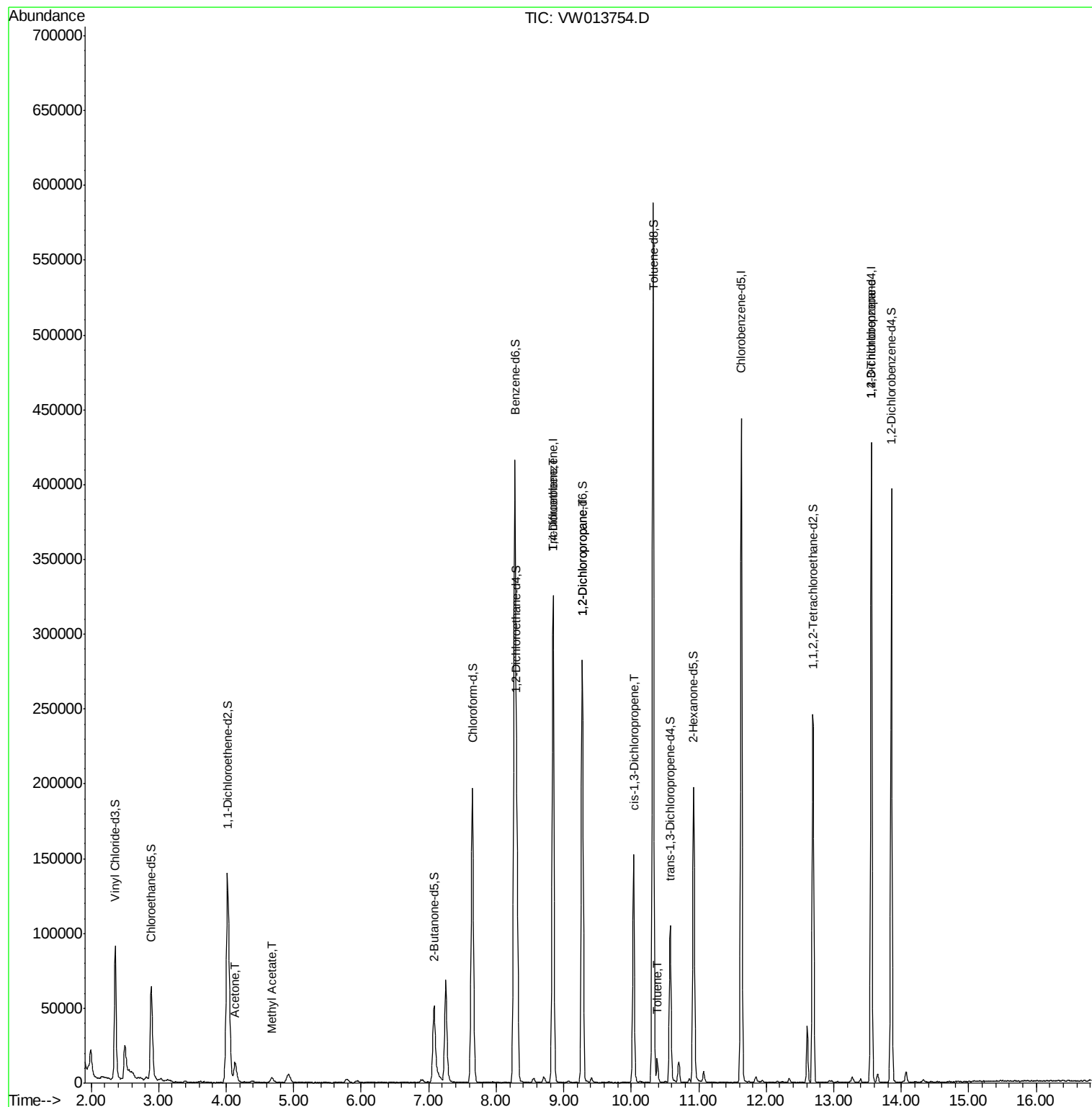
|                             |       |    |       |              | Ovalue |
|-----------------------------|-------|----|-------|--------------|--------|
| 13) Acetone                 | 4.13  | 43 | 25049 | 17.748 ug/L  | 96     |
| 15) Methyl Acetate          | 4.68  | 43 | 4371  | 1.895 ug/L # | 89     |
| 35) Trichloroethene         | 8.84  | 95 | 8604  | 1.769 ug/L # | 2      |
| 40) 1,2-Dichloropropane     | 9.27  | 63 | 14313 | 3.088 ug/L # | 85     |
| 42) cis-1,3-Dichloropropene | 10.04 | 75 | 3212  | 0.439 ug/L # | 58     |
| 44) Toluene                 | 10.38 | 91 | 11184 | 0.549 ug/L   | 90     |
| 59) 1,2,3-Trichloropropane  | 13.55 | 75 | 12266 | 3.926 ug/L   | 90     |

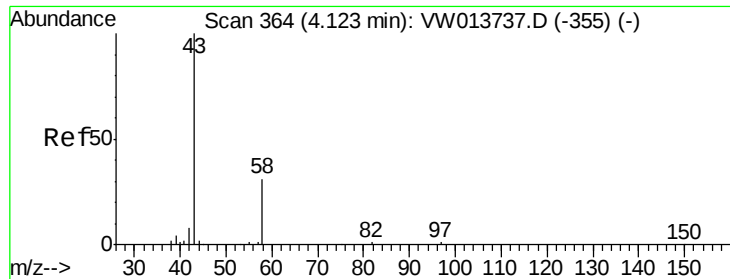
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : VOC Analysis  
QLast Update : Sat Oct 26 03:37:49 2019  
Response via : Initial Calibration





#13

Acetone

Concen: 17.748 ug/L

RT: 4.13 min Scan# 365

Delta R.T. 0.01 min

Lab File: VW013754.D

Acq: 25 Oct 2019 17:50

Instrument :

MSVOA\_W

ClientSampleId :

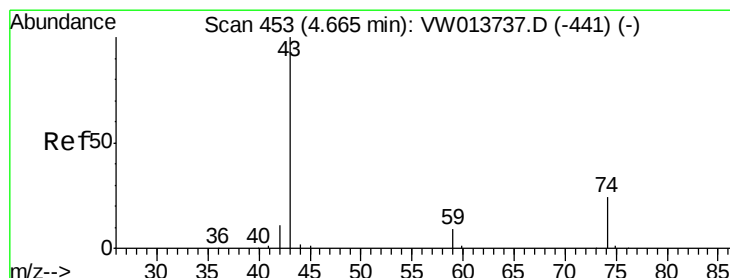
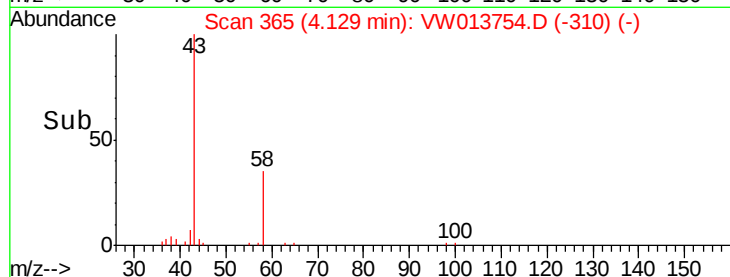
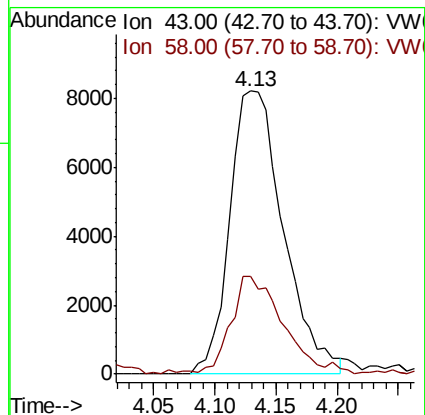
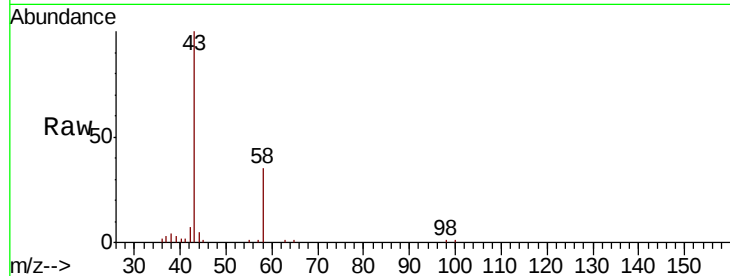
GAQ64

Tot Ion: 43 Resp: 25049

Ion Ratio Lower Upper

43 100

58 32.7 0.0 70.4



#15

Methyl Acetate

Concen: 1.895 ug/L

RT: 4.68 min Scan# 455

Delta R.T. 0.01 min

Lab File: VW013754.D

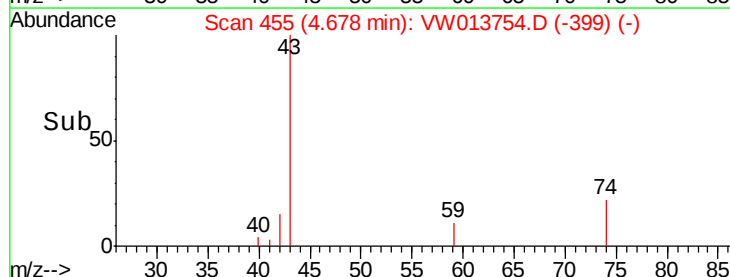
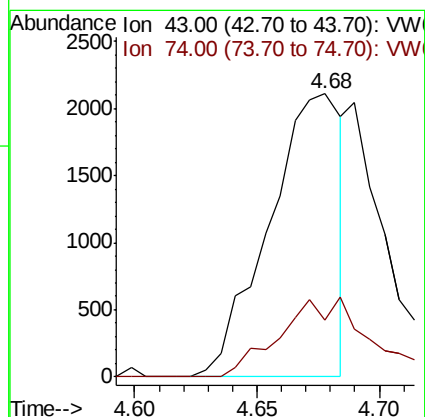
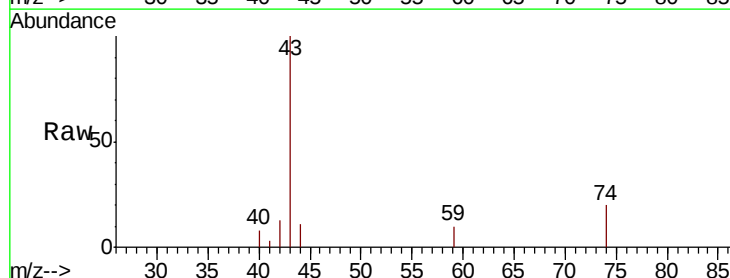
Acq: 25 Oct 2019 17:50

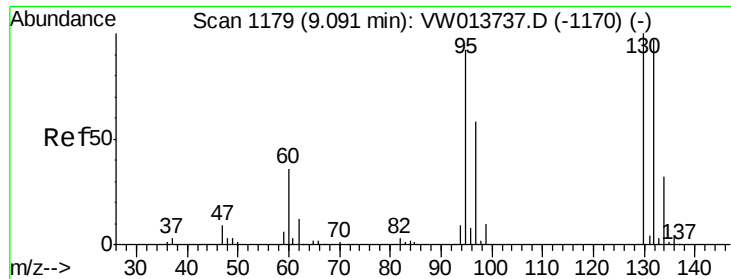
Tgt Ion: 43 Resp: 4371

Ion Ratio Lower Upper

43 100

74 18.6 19.2 28.8#





#35

Trichloroethene

Concen: 1.769 ug/L

RT: 8.84 min Scan# 1137

Delta R.T. -0.26 min

Lab File: VW013754.D

Acq: 25 Oct 2019 17:50

Instrument :

MSVOA\_W

ClientSampleId :

GAQ64

Tot Ion: 95 Resp: 8604

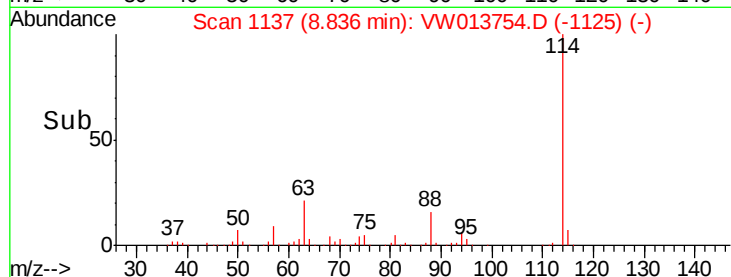
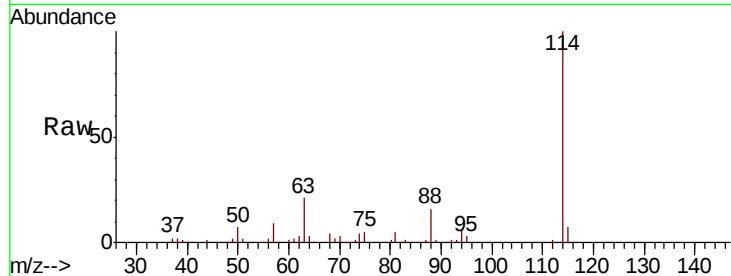
Ion Ratio Lower Upper

95 100

97 0.0 45.8 85.2#

132 0.9 74.3 138.1#

130 0.7 76.6 142.3#

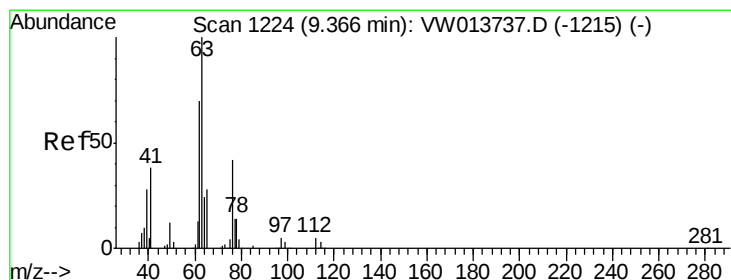
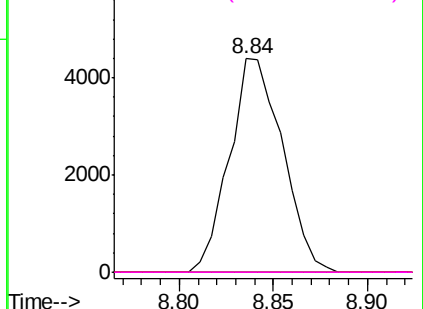


Abundance Ion 95.00 (94.70 to 95.70): VW

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



#40

1,2-Dichloropropane

Concen: 3.088 ug/L

RT: 9.27 min Scan# 1209

Delta R.T. -0.09 min

Lab File: VW013754.D

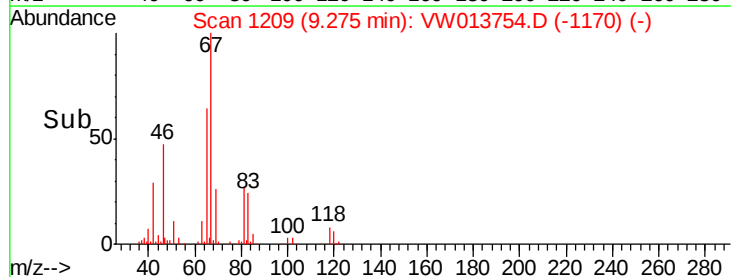
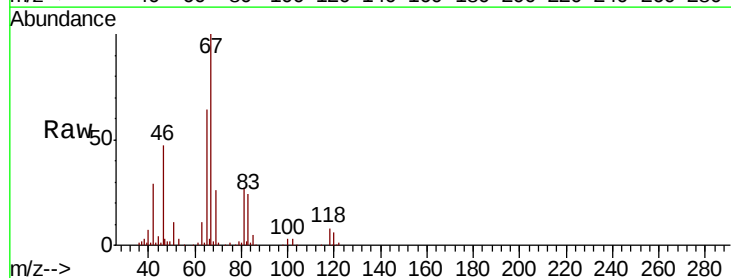
Acq: 25 Oct 2019 17:50

Tgt Ion: 63 Resp: 14313

Ion Ratio Lower Upper

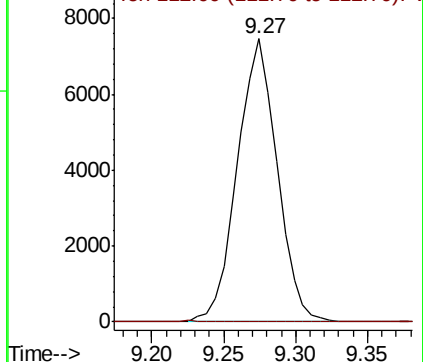
63 100

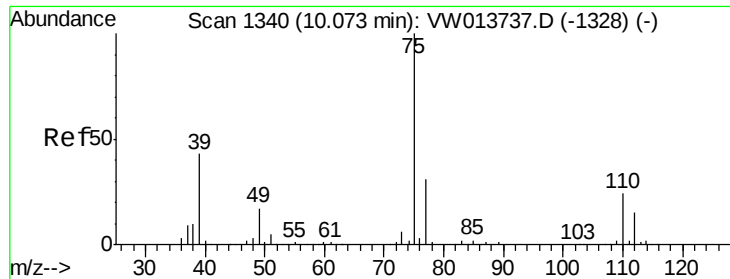
112 0.0 3.9 5.9#



Abundance Ion 63.00 (62.70 to 63.70): VW

Ion 112.00 (111.70 to 112.70): V

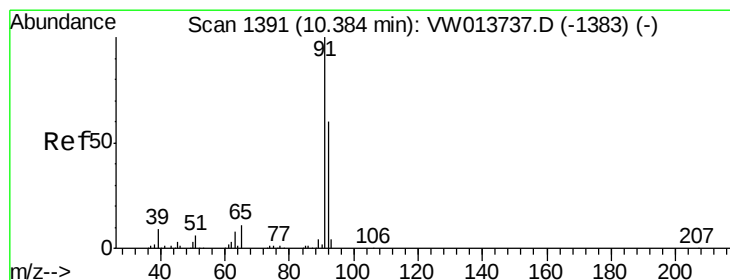
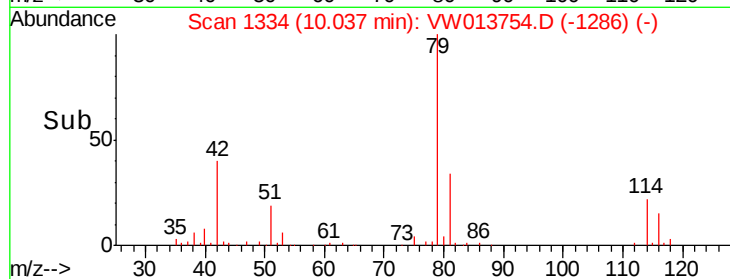
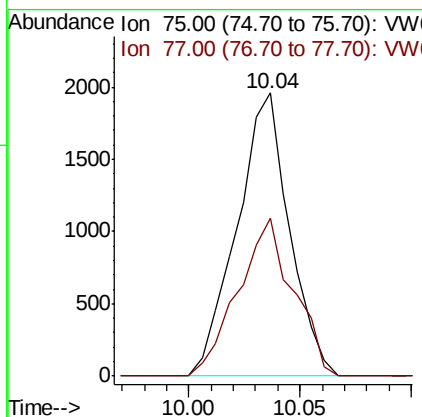
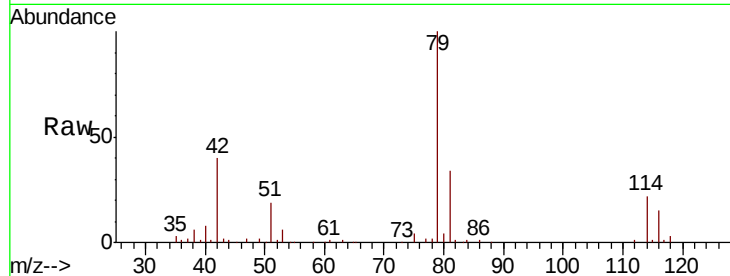




#42  
 cis-1,3-Dichloropropene  
 Concen: 0.439 ug/L  
 RT: 10.04 min Scan# 1334  
 Delta R.T. -0.04 min  
 Lab File: VW013754.D  
 Acq: 25 Oct 2019 17:50

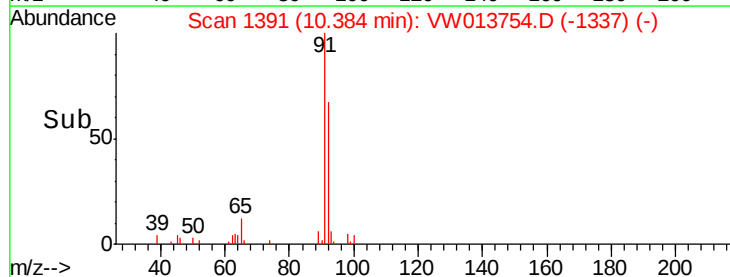
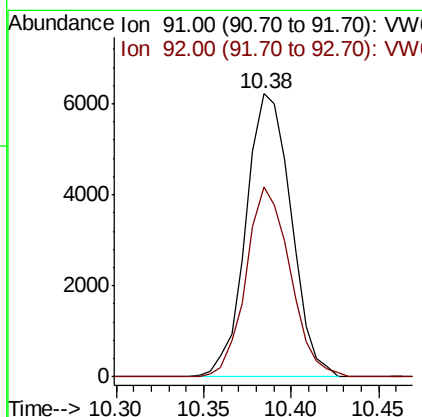
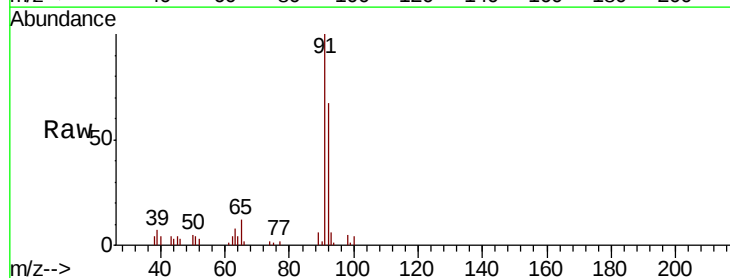
Instrument :  
 MSVOA\_W  
 ClientSampled :  
 GAQ64

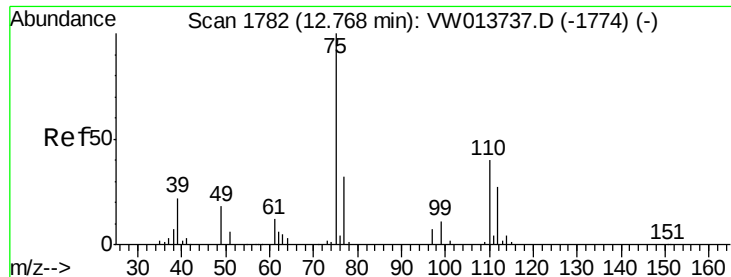
Tot Ion: 75 Resp: 3212  
 Ion Ratio Lower Upper  
 75 100  
 77 55.6 22.5 41.9#



#44  
 Toluene  
 Concen: 0.549 ug/L  
 RT: 10.38 min Scan# 1391  
 Delta R.T. 0.00 min  
 Lab File: VW013754.D  
 Acq: 25 Oct 2019 17:50

Tgt Ion: 91 Resp: 11184  
 Ion Ratio Lower Upper  
 91 100  
 92 67.2 42.0 78.0





#59

1,2,3-Trichloropropane

Concen: 3.926 ug/L

RT: 13.55 min Scan# 1911

Delta R.T. 0.79 min

Lab File: VW013754.D

Acq: 25 Oct 2019 17:50

Instrument :

MSVOA\_W

ClientSampleId :

GAQ64

Tot Ion: 75 Resp: 12266

Ion Ratio Lower Upper

75 100

77 38.6 26.4 39.6

