

Data File : VW014801.D  
Acq On : 29 Jan 2020 18:02  
Operator : SY/VA  
Sample : L1303-08  
Misc : 4.87G/10ML/MSVOA\_W/SOIL  
ALS Vial : 1 Sample Multiplier: 1

Instrument :  
MSVOA\_W  
ClientSampleId :  
C0AF3

Quant Time: Jan 30 07:09:11 2020  
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_W\METHOD\SOM2WLM012720S.M  
Quant Title : VOC Analysis  
QLast Update : Thu Jan 30 07:05:48 2020  
Response via : Initial Calibration

| Internal Standards         | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|----------------------------|-------|------|----------|-------|-------|----------|
| 1) 1,4-Difluorobenzene     | 8.84  | 114  | 1085050  | 25.00 | ug/L  | 0.00     |
| 28) Chlorobenzene-d5       | 11.63 | 117  | 947182   | 25.00 | ug/L  | 0.00     |
| 60) 1,4-Dichlorobenzene-d4 | 13.55 | 152  | 406222   | 25.00 | ug/L  | 0.00     |

#### System Monitoring Compounds

|                                |        |       |          |          |      |        |
|--------------------------------|--------|-------|----------|----------|------|--------|
| 4) Vinyl Chloride-d3           | 2.35   | 65    | 393074   | 22.87    | ug/L | 0.00   |
| Spiked Amount                  | 25.000 | Range | 30 - 150 | Recovery | =    | 91.48% |
| 7) Chloroethane-d5             | 2.89   | 69    | 307714   | 21.07    | ug/L | 0.00   |
| Spiked Amount                  | 25.000 | Range | 30 - 150 | Recovery | =    | 84.28% |
| 10) 1,1-Dichloroethene-d2      | 4.01   | 63    | 514770   | 16.55    | ug/L | 0.00   |
| Spiked Amount                  | 25.000 | Range | 45 - 110 | Recovery | =    | 66.20% |
| 20) 2-Butanone-d5              | 7.07   | 46    | 160016   | 32.79    | ug/L | 0.00   |
| Spiked Amount                  | 50.000 | Range | 20 - 135 | Recovery | =    | 65.58% |
| 24) Chloroform-d               | 7.65   | 84    | 656602   | 21.92    | ug/L | 0.00   |
| Spiked Amount                  | 25.000 | Range | 40 - 150 | Recovery | =    | 87.68% |
| 26) 1,2-Dichloroethane-d4      | 8.30   | 65    | 341592   | 21.18    | ug/L | 0.00   |
| Spiked Amount                  | 25.000 | Range | 70 - 130 | Recovery | =    | 84.72% |
| 29) Benzene-d6                 | 8.27   | 84    | 1367893  | 22.95    | ug/L | 0.00   |
| Spiked Amount                  | 25.000 | Range | 20 - 135 | Recovery | =    | 91.80% |
| 33) 1,2-Dichloropropane-d6     | 9.27   | 67    | 440522   | 23.77    | ug/L | 0.00   |
| Spiked Amount                  | 25.000 | Range | 70 - 120 | Recovery | =    | 95.08% |
| 37) Toluene-d8                 | 10.32  | 98    | 1247115  | 23.48    | ug/L | 0.00   |
| Spiked Amount                  | 25.000 | Range | 30 - 130 | Recovery | =    | 93.92% |
| 38) trans-1,3-Dichloropropene- | 10.58  | 79    | 165291   | 22.39    | ug/L | 0.00   |
| Spiked Amount                  | 25.000 | Range | 30 - 135 | Recovery | =    | 89.56% |
| 39) 2-Hexanone-d5              | 10.92  | 63    | 137842   | 39.64    | ug/L | 0.00   |
| Spiked Amount                  | 50.000 | Range | 20 - 135 | Recovery | =    | 79.28% |
| 48) 1,1,2,2-Tetrachloroethane- | 12.69  | 84    | 286065   | 19.67    | ug/L | 0.00   |
| Spiked Amount                  | 25.000 | Range | 45 - 120 | Recovery | =    | 78.68% |
| 61) 1,2-Dichlorobenzene-d4     | 13.85  | 152   | 368397   | 23.14    | ug/L | 0.00   |
| Spiked Amount                  | 25.000 | Range | 75 - 120 | Recovery | =    | 92.56% |

#### Target Compounds

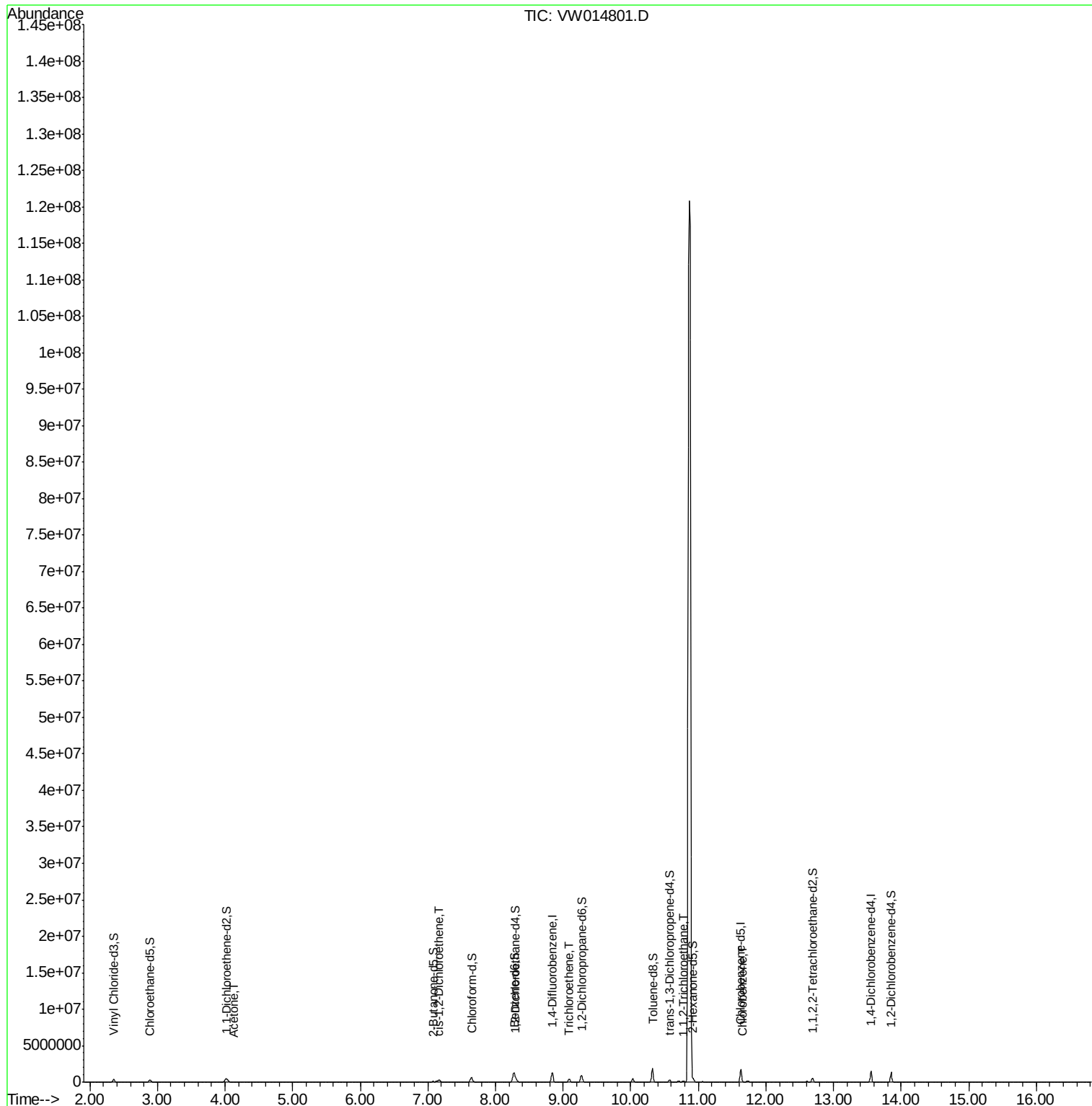
|                            |       |     |        |       | Qvalue   |
|----------------------------|-------|-----|--------|-------|----------|
| 13) Acetone                | 4.12  | 43  | 19410  | 3.714 | ug/L 100 |
| 22) cis-1,2-Dichloroethene | 7.16  | 96  | 159642 | 9.963 | ug/L 99  |
| 35) Trichloroethene        | 9.09  | 95  | 142502 | 9.247 | ug/L 98  |
| 46) 1,1,2-Trichloroethane  | 10.79 | 97  | 22843  | 2.176 | ug/L 92  |
| 52) Chlorobenzene          | 11.66 | 112 | 35614  | 0.925 | ug/L 96  |

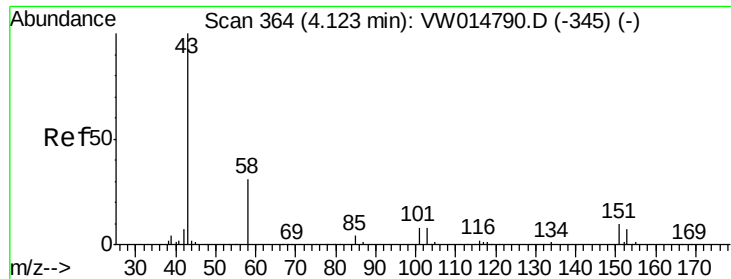
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#13

Acetone

Concen: 3.714 ug/L

RT: 4.12 min Scan# 364

Delta R.T. -0.00 min

Lab File: VW014801.D

Acq: 29 Jan 2020 18:02

Instrument :

MSVOA\_W

ClientSampled :

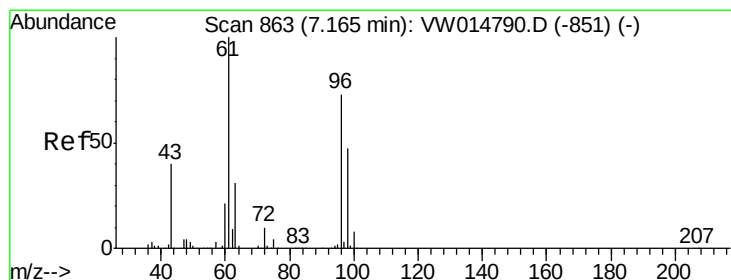
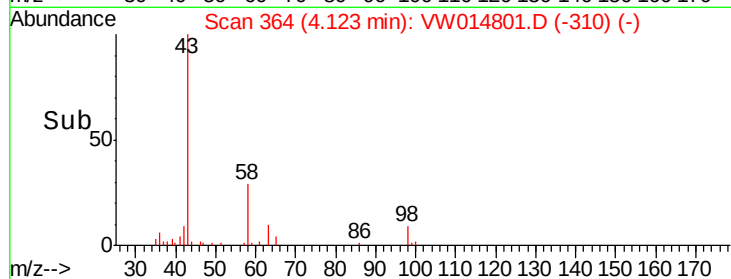
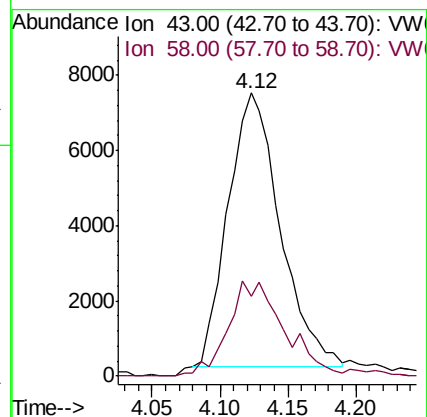
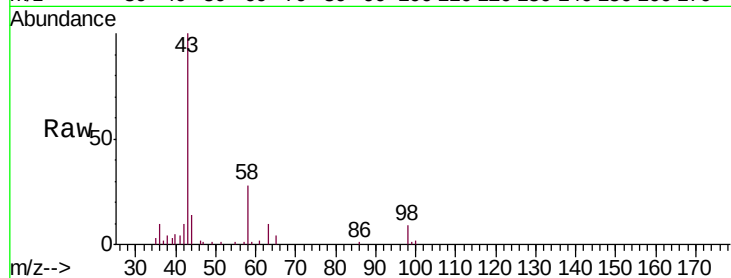
C0AF3

Tgt Ion: 43 Resp: 19410

Ion Ratio Lower Upper

43 100

58 32.3 0.0 64.6



#22

cis-1,2-Dichloroethene

Concen: 9.963 ug/L

RT: 7.16 min Scan# 863

Delta R.T. -0.00 min

Lab File: VW014801.D

Acq: 29 Jan 2020 18:02

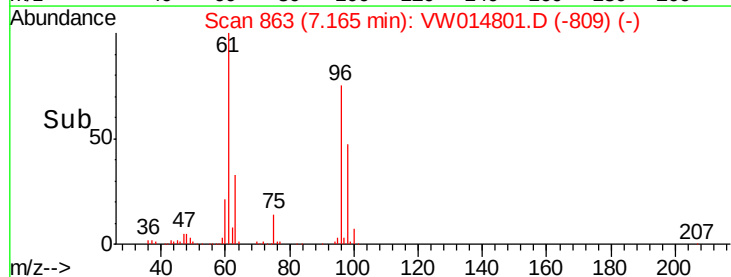
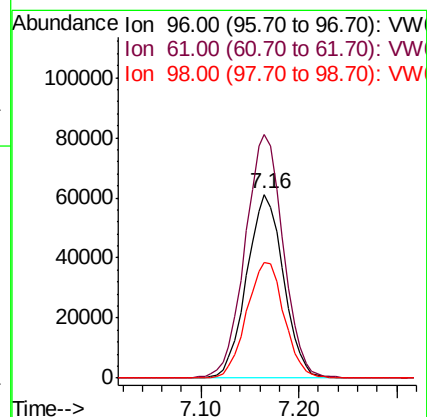
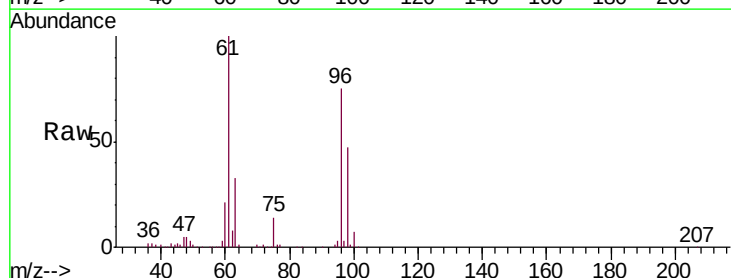
Tgt Ion: 96 Resp: 159642

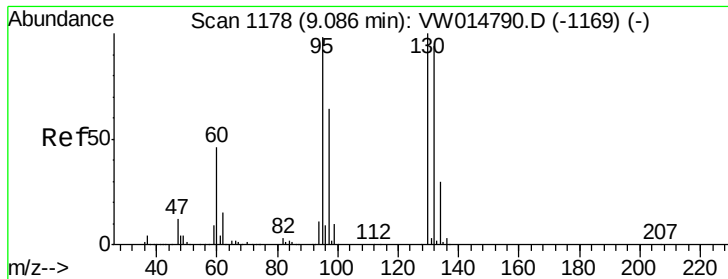
Ion Ratio Lower Upper

96 100

61 132.7 94.1 174.7

98 62.9 44.9 83.3

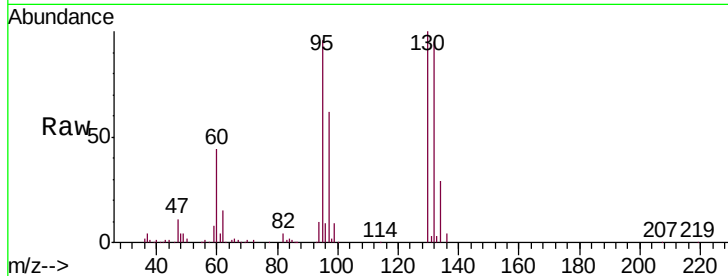




#35  
 Trichloroethene  
 Concen: 9.247 ug/L  
 RT: 9.09 min Scan# 1179  
 Delta R.T. 0.01 min  
 Lab File: VW014801.D  
 Acq: 29 Jan 2020 18:02

Instrument :  
 MSVOA\_W  
 ClientSampleId :  
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|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 95    | Resp: | 142502 |
| Ion      | Ratio | Lower | Upper  |
| 95       | 100   |       |        |
| 97       | 64.9  | 44.3  | 82.3   |
| 132      | 99.3  | 67.1  | 124.7  |
| 130      | 100.7 | 69.9  | 129.7  |



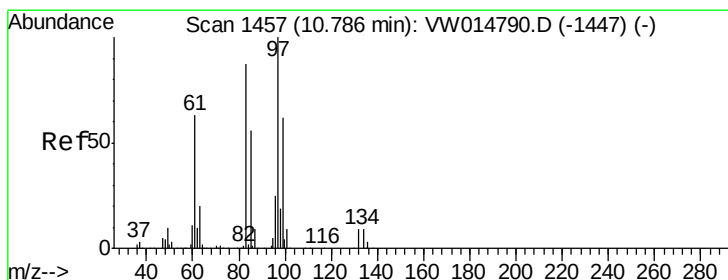
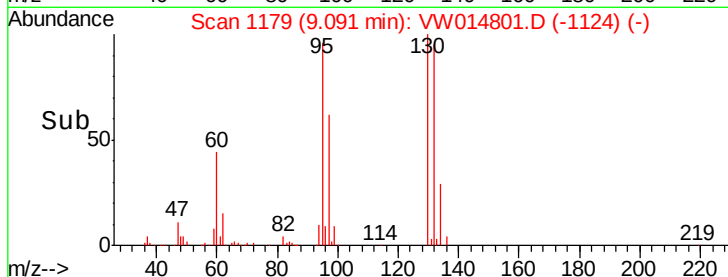
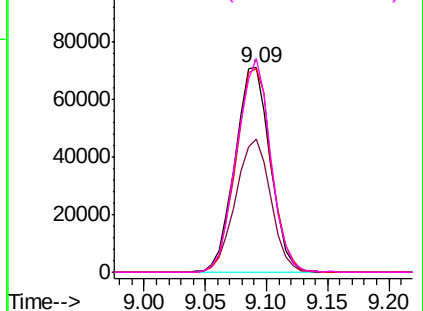
Abundance

Ion 95.00 (94.70 to 95.70): VW

Ion 97.00 (96.70 to 97.70): VW

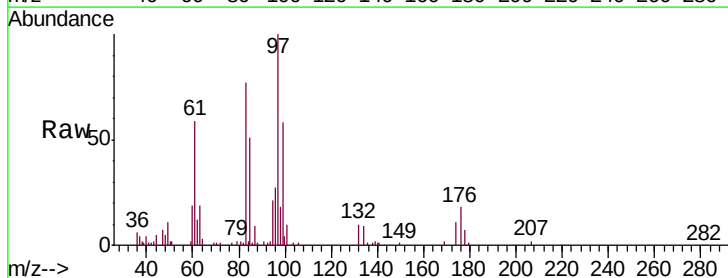
Ion 132.00 (131.70 to 132.70): VW

Ion 130.00 (129.70 to 130.70): VW



#46  
 1,1,2-Trichloroethane  
 Concen: 2.176 ug/L  
 RT: 10.79 min Scan# 1457  
 Delta R.T. -0.00 min  
 Lab File: VW014801.D  
 Acq: 29 Jan 2020 18:02

|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 97    | Resp: | 22843 |
| Ion      | Ratio | Lower | Upper |
| 97       | 100   |       |       |
| 83       | 76.9  | 60.9  | 113.1 |
| 85       | 51.4  | 39.2  | 72.8  |
| 99       | 57.7  | 43.0  | 80.0  |



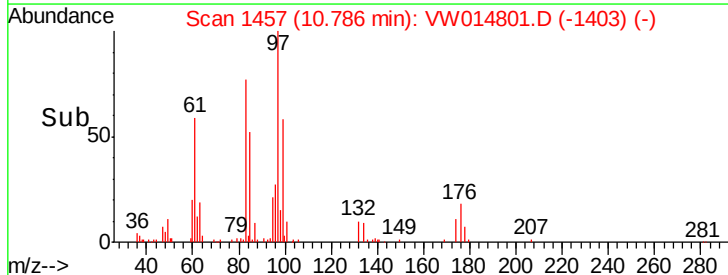
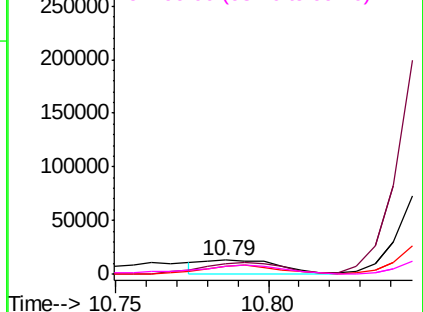
Abundance

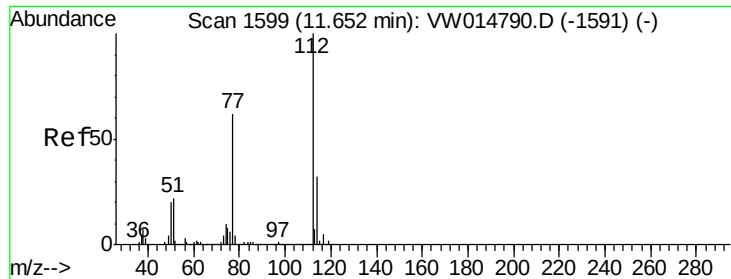
Ion 97.00 (96.70 to 97.70): VW

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

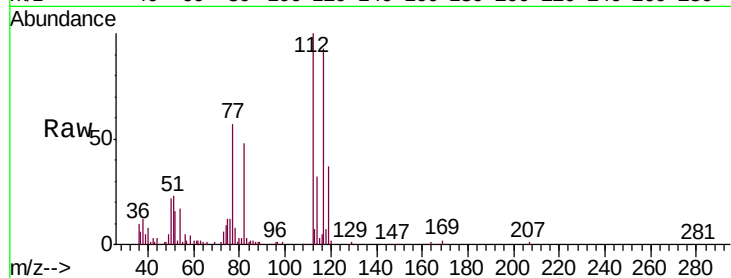




#52  
 Chlorobenzene  
 Concen: 0.925 ug/L  
 RT: 11.66 min Scan# 1600  
 Delta R.T. 0.01 min  
 Lab File: VW014801.D  
 Acq: 29 Jan 2020 18:02

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 MSVOA\_W  
 ClientSampleId :  
 C0AF3

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 112     | 100   |       |       |
| 77      | 56.7  | 49.2  | 73.8  |
| 114     | 31.6  | 22.5  | 41.7  |



Abundance

Ion 112.00 (111.70 to 112.70): V

Ion 77.00 (76.70 to 77.70): VW

Ion 114.00 (113.70 to 114.70): V

