

Data Path : Z:\VOASRV\HPCHEM1\MSVOA V\DATA\VV050219\  
 Data File : VV010660.D  
 Acq On : 03 May 2019 15:21  
 Operator : SY/MD  
 Sample : K2603-03MSD  
 Misc : 5.02G/10ML/MSVOA V/SOIL  
 ALS Vial : 1 Sample Multiplier: 1

Instrument :  
 MSVOA\_V  
 ClientSampleId :  
 GAJ55

Quant Time: May 04 00:35:17 2019  
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_V\METHOD\SOM2VLM050219S.M  
 Quant Title : VOC Analysis  
 QLast Update : Fri May 03 23:50:43 2019  
 Response via : Initial Calibration

| Internal Standards         | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|----------------------------|-------|------|----------|-------|-------|----------|
| 1) 1,4-Difluorobenzene     | 5.68  | 114  | 4439     | 25.00 | ug/L  | 0.02     |
| 28) Chlorobenzene-d5       | 8.91  | 117  | 2849     | 25.00 | ug/L  | 0.01     |
| 60) 1,4-Dichlorobenzene-d4 | 11.30 | 152  | 529      | 25.00 | ug/L  | 0.00     |

## System Monitoring Compounds

|                                |        |       |          |          |      |         |
|--------------------------------|--------|-------|----------|----------|------|---------|
| 4) Vinyl Chloride-d3           | 0.00   | 65    | 0        | 0.00     | ug/L |         |
| Spiked Amount                  | 25.000 | Range | 30 - 150 | Recovery | =    | 0.00%#  |
| 7) Chloroethane-d5             | 0.00   | 69    | 0        | 0.00     | ug/L |         |
| Spiked Amount                  | 25.000 | Range | 30 - 150 | Recovery | =    | 0.00%#  |
| 10) 1,1-Dichloroethene-d2      | 2.15   | 63    | 596      | 6.05     | ug/L | 0.03    |
| Spiked Amount                  | 25.000 | Range | 45 - 110 | Recovery | =    | 24.20%# |
| 20) 2-Butanone-d5              | 0.00   | 46    | 0        | 0.00     | ug/L |         |
| Spiked Amount                  | 50.000 | Range | 20 - 135 | Recovery | =    | 0.00%#  |
| 24) Chloroform-d               | 0.00   | 84    | 0        | 0.00     | ug/L |         |
| Spiked Amount                  | 25.000 | Range | 40 - 150 | Recovery | =    | 0.00%#  |
| 26) 1,2-Dichloroethane-d4      | 0.00   | 65    | 0        | 0.00     | ug/L |         |
| Spiked Amount                  | 25.000 | Range | 70 - 130 | Recovery | =    | 0.00%#  |
| 29) Benzene-d6                 | 0.00   | 84    | 0        | 0.00     | ug/L |         |
| Spiked Amount                  | 25.000 | Range | 20 - 135 | Recovery | =    | 0.00%#  |
| 33) 1,2-Dichloropropane-d6     | 0.00   | 67    | 0        | 0.00     | ug/L |         |
| Spiked Amount                  | 25.000 | Range | 70 - 120 | Recovery | =    | 0.00%#  |
| 37) Toluene-d8                 | 0.00   | 98    | 0        | 0.00     | ug/L |         |
| Spiked Amount                  | 25.000 | Range | 30 - 130 | Recovery | =    | 0.00%#  |
| 38) trans-1,3-Dichloropropene- | 0.00   | 79    | 0        | 0.00     | ug/L |         |
| Spiked Amount                  | 25.000 | Range | 30 - 135 | Recovery | =    | 0.00%#  |
| 39) 2-Hexanone-d5              | 0.00   | 63    | 0        | 0.00     | ug/L |         |
| Spiked Amount                  | 50.000 | Range | 20 - 135 | Recovery | =    | 0.00%#  |
| 48) 1,1,2,2-Tetrachloroethane- | 0.00   | 84    | 0        | 0.00     | ug/L |         |
| Spiked Amount                  | 25.000 | Range | 45 - 120 | Recovery | =    | 0.00%#  |
| 61) 1,2-Dichlorobenzene-d4     | 0.00   | 152   | 0        | 0.00     | ug/L |         |
| Spiked Amount                  | 25.000 | Range | 75 - 120 | Recovery | =    | 0.00%#  |

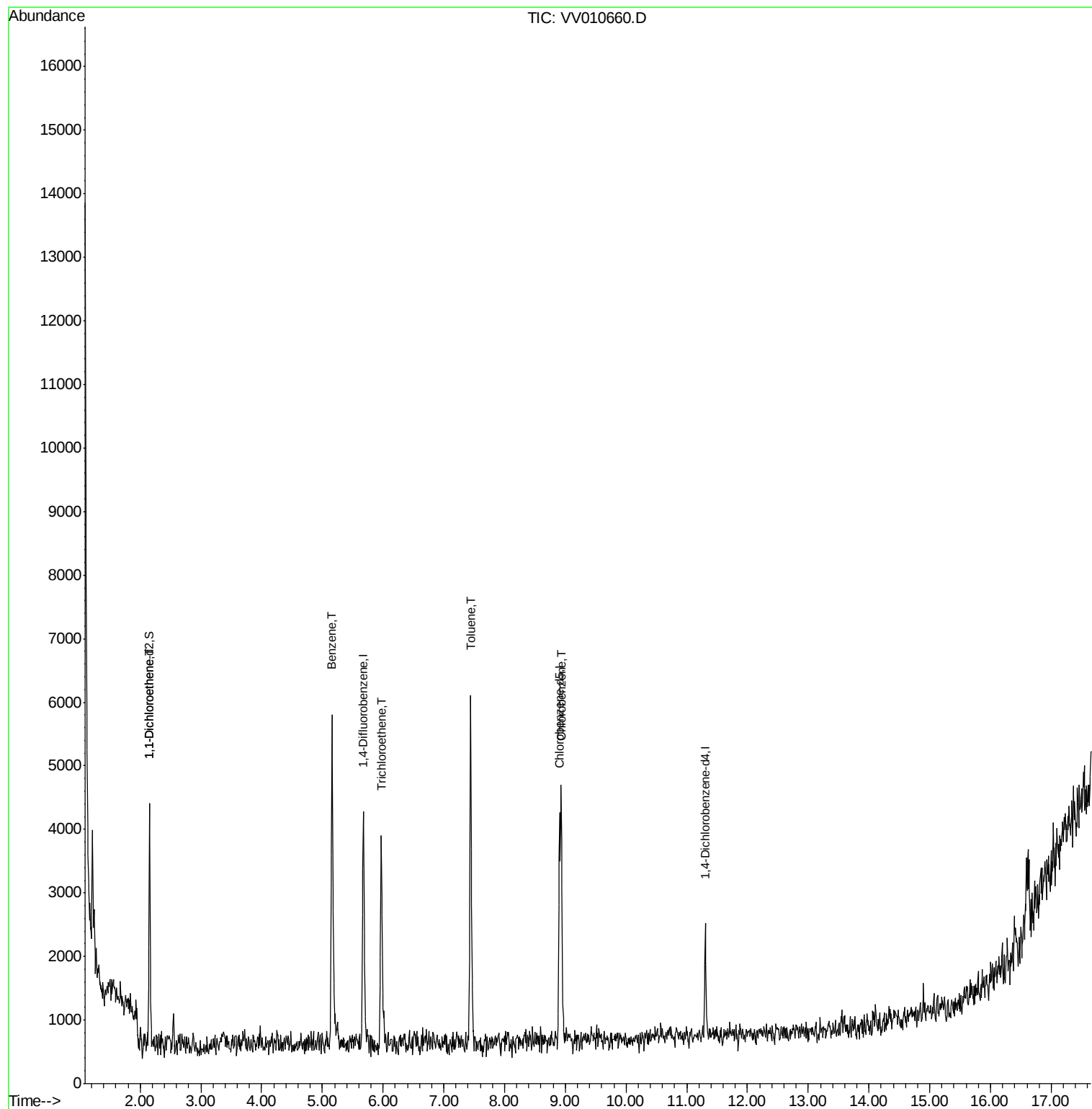
| Target Compounds       |      |     |      |               | Ovalue |
|------------------------|------|-----|------|---------------|--------|
| 12) 1,1-Dichloroethene | 2.15 | 96  | 1444 | 33.860 ug/L # | 61     |
| 34) Benzene            | 5.16 | 78  | 5793 | 42.535 ug/L   | 100    |
| 35) Trichloroethene    | 5.97 | 95  | 1551 | 39.926 ug/L # | 76     |
| 44) Toluene            | 7.44 | 91  | 5343 | 35.547 ug/L   | 87     |
| 52) Chlorobenzene      | 8.93 | 112 | 2240 | 21.353 ug/L   | 93     |

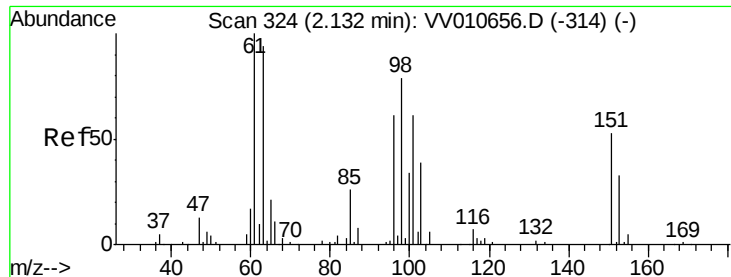
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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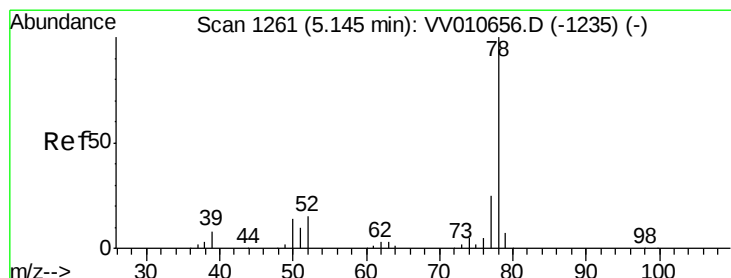
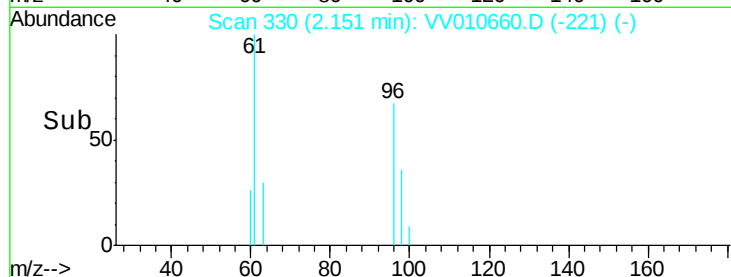
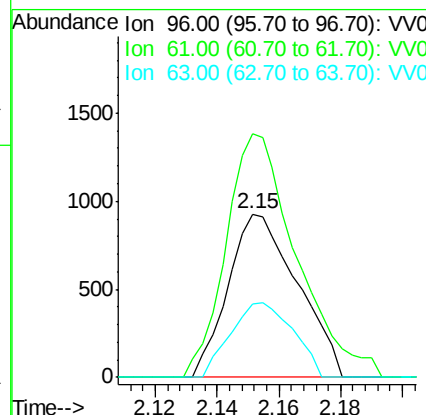
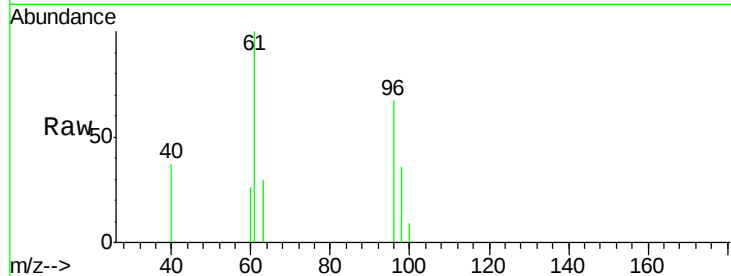




#12  
 1,1-Dichloroethene  
 Concen: 33.860 ug/L  
 RT: 2.15 min Scan# 330  
 Delta R.T. 0.02 min  
 Lab File: VV010660.D  
 Acq: 03 May 2019 15:21

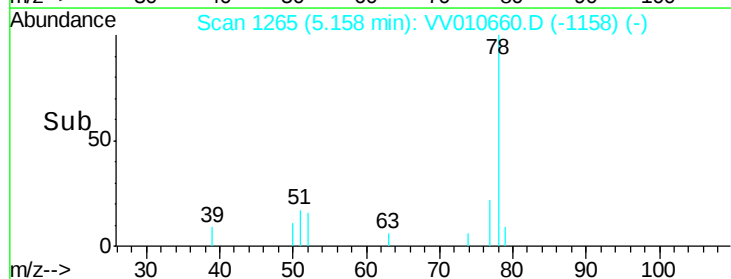
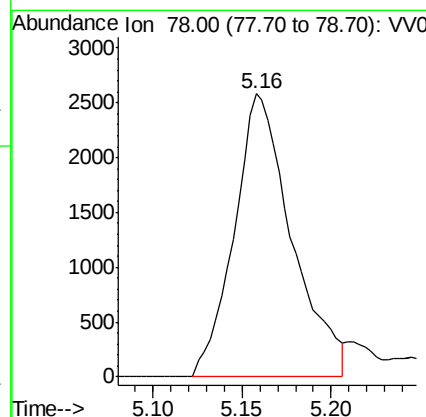
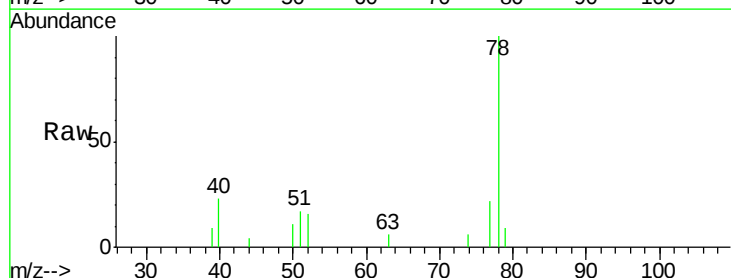
Instrument :  
 MSVOA\_V  
 ClientSampleId :  
 GAJ55

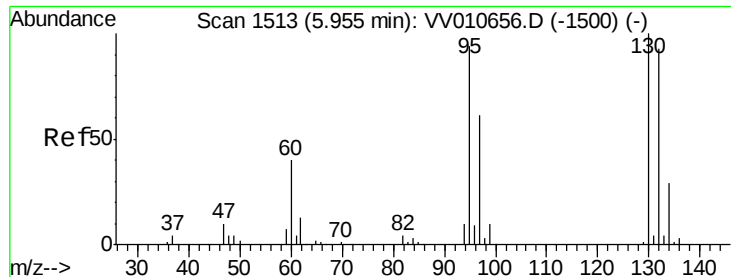
Tot Ion: 96 Resp: 1444  
 Ion Ratio Lower Upper  
 96 100  
 61 148.8 111.1 206.3  
 63 44.8 95.2 176.8#



#34  
 Benzene  
 Concen: 42.535 ug/L  
 RT: 5.16 min Scan# 1265  
 Delta R.T. 0.01 min  
 Lab File: VV010660.D  
 Acq: 03 May 2019 15:21

Tgt Ion: 78 Resp: 5793

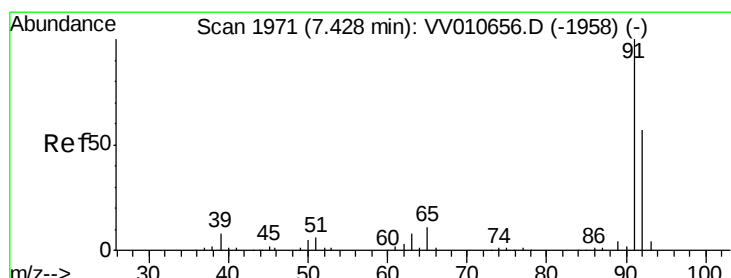
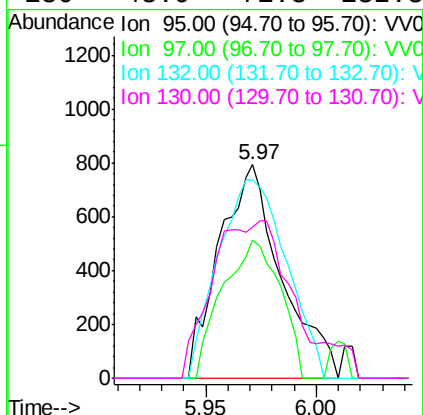
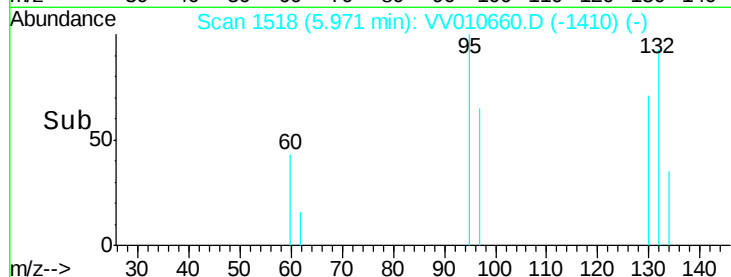
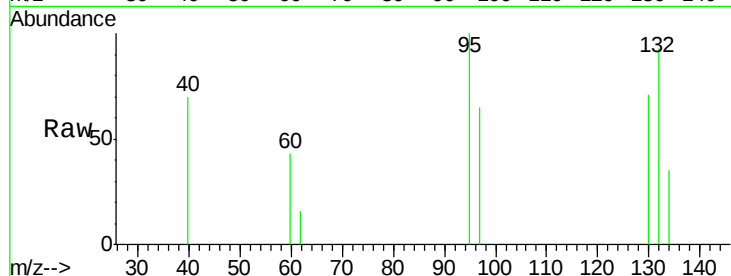




#35  
 Trichloroethene  
 Concen: 39.926 ug/L  
 RT: 5.97 min Scan# 1518  
 Delta R.T. 0.02 min  
 Lab File: VV010660.D  
 Acq: 03 May 2019 15:21

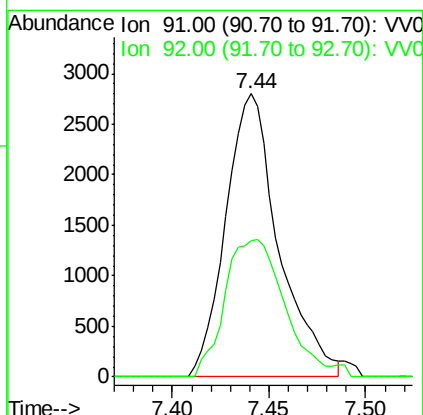
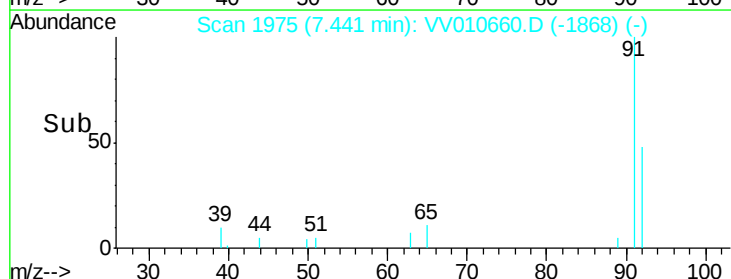
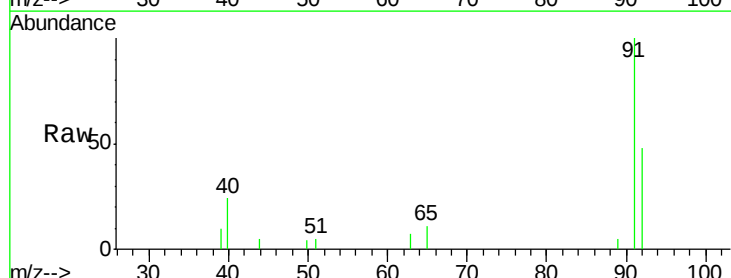
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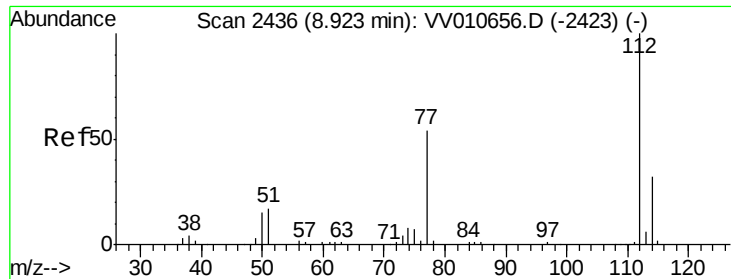
Tot Ion: 95 Resp: 1551  
 Ion Ratio Lower Upper  
 95 100  
 97 59.8 45.0 83.6  
 132 101.8 69.9 129.9  
 130 43.9 71.3 132.3#



#44  
 Toluene  
 Concen: 35.547 ug/L  
 RT: 7.44 min Scan# 1975  
 Delta R.T. 0.01 min  
 Lab File: VV010660.D  
 Acq: 03 May 2019 15:21

Tgt Ion: 91 Resp: 5343  
 Ion Ratio Lower Upper  
 91 100  
 92 48.1 40.1 74.5





#52

Chlorobenzene

Concen: 21.353 ug/L

RT: 8.93 min Scan# 2439

Delta R.T. 0.01 min

Lab File: VV010660.D

Acq: 03 May 2019 15:21

Instrument :

MSVOA\_V

ClientSampleId :

GAJ55

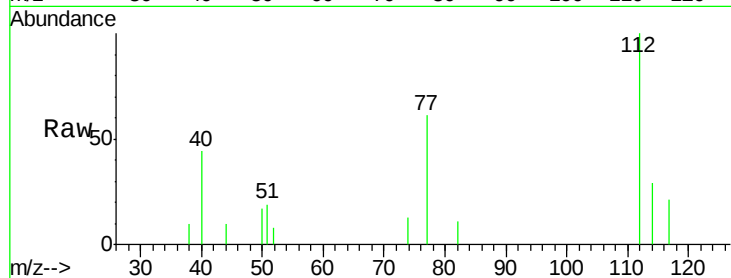
Tot Ion:112 Resp: 2240

Ion Ratio Lower Upper

112 100

77 60.7 44.5 66.7

114 28.8 22.5 41.7



Abundance Ion 112.00 (111.70 to 112.70): V

Ion 77.00 (76.70 to 77.70): VV0

Ion 114.00 (113.70 to 114.70): V

