

Data Path : Z:\VOASRV\HPCHEM1\MSVOA V\DATA\VV092318\  
 Data File : VV007775.D  
 Acq On : 23 Sep 2018 08:48  
 Operator : SY/MD  
 Sample : J5013-16  
 Misc : 5.0 mL/MSVOA V/WATER  
 ALS Vial : 49 Sample Multiplier: 1

Instrument :  
 MSVOA\_V  
 ClientSampleId :  
 C08S3

Quant Time: Sep 24 07:12:44 2018  
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_V\METHOD\SOMVLM092318WMA.M  
 Quant Title : VOC Analysis  
 QLast Update : Mon Sep 24 05:16:03 2018  
 Response via : Initial Calibration

| Internal Standards         | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|----------------------------|-------|------|----------|-------|-------|----------|
| 1) 1,4-Difluorobenzene     | 5.67  | 114  | 180793   | 50.00 | ug/L  | 0.00     |
| 28) Chlorobenzene-d5       | 8.90  | 117  | 173444   | 50.00 | ug/L  | 0.00     |
| 60) 1,4-Dichlorobenzene-d4 | 11.30 | 152  | 90672    | 50.00 | ug/L  | 0.00     |

## System Monitoring Compounds

|                                |         |       |          |          |      |        |
|--------------------------------|---------|-------|----------|----------|------|--------|
| 4) Vinyl Chloride-d3           | 1.32    | 65    | 36485    | 37.13    | ug/L | 0.00   |
| Spiked Amount                  | 50.000  | Range | 60 - 135 | Recovery | =    | 74.26% |
| 7) Chloroethane-d5             | 1.59    | 69    | 38628    | 43.26    | ug/L | 0.00   |
| Spiked Amount                  | 50.000  | Range | 70 - 130 | Recovery | =    | 86.52% |
| 11) 1,1-Dichloroethene-d2      | 2.14    | 63    | 73837    | 31.87    | ug/L | 0.00   |
| Spiked Amount                  | 50.000  | Range | 60 - 125 | Recovery | =    | 63.74% |
| 21) 2-Butanone-d5              | 3.95    | 46    | 46243    | 71.26    | ug/L | 0.00   |
| Spiked Amount                  | 100.000 | Range | 40 - 130 | Recovery | =    | 71.26% |
| 24) Chloroform-d               | 4.41    | 84    | 83662    | 39.77    | ug/L | 0.00   |
| Spiked Amount                  | 50.000  | Range | 70 - 125 | Recovery | =    | 79.54% |
| 26) 1,2-Dichloroethane-d4      | 5.09    | 65    | 60134    | 44.81    | ug/L | 0.00   |
| Spiked Amount                  | 50.000  | Range | 70 - 125 | Recovery | =    | 89.62% |
| 32) Benzene-d6                 | 5.11    | 84    | 178077   | 44.67    | ug/L | 0.00   |
| Spiked Amount                  | 50.000  | Range | 70 - 125 | Recovery | =    | 89.34% |
| 36) 1,2-Dichloropropane-d6     | 6.13    | 67    | 53753    | 45.66    | ug/L | 0.00   |
| Spiked Amount                  | 50.000  | Range | 70 - 120 | Recovery | =    | 91.32% |
| 41) Toluene-d8                 | 7.36    | 98    | 180700   | 43.37    | ug/L | 0.00   |
| Spiked Amount                  | 50.000  | Range | 80 - 120 | Recovery | =    | 86.74% |
| 43) trans-1,3-Dichloropropene- | 7.67    | 79    | 21819    | 36.76    | ug/L | 0.00   |
| Spiked Amount                  | 50.000  | Range | 60 - 125 | Recovery | =    | 73.52% |
| 47) 2-Hexanone-d5              | 8.14    | 63    | 41840    | 80.70    | ug/L | 0.00   |
| Spiked Amount                  | 100.000 | Range | 45 - 130 | Recovery | =    | 80.70% |
| 57) 1,1,2,2-Tetrachloroethane- | 10.27   | 84    | 78423    | 42.67    | ug/L | 0.00   |
| Spiked Amount                  | 50.000  | Range | 65 - 120 | Recovery | =    | 85.34% |
| 64) 1,2-Dichlorobenzene-d4     | 11.68   | 152   | 84892    | 45.51    | ug/L | 0.00   |
| Spiked Amount                  | 50.000  | Range | 80 - 120 | Recovery | =    | 91.02% |

## Target Compounds

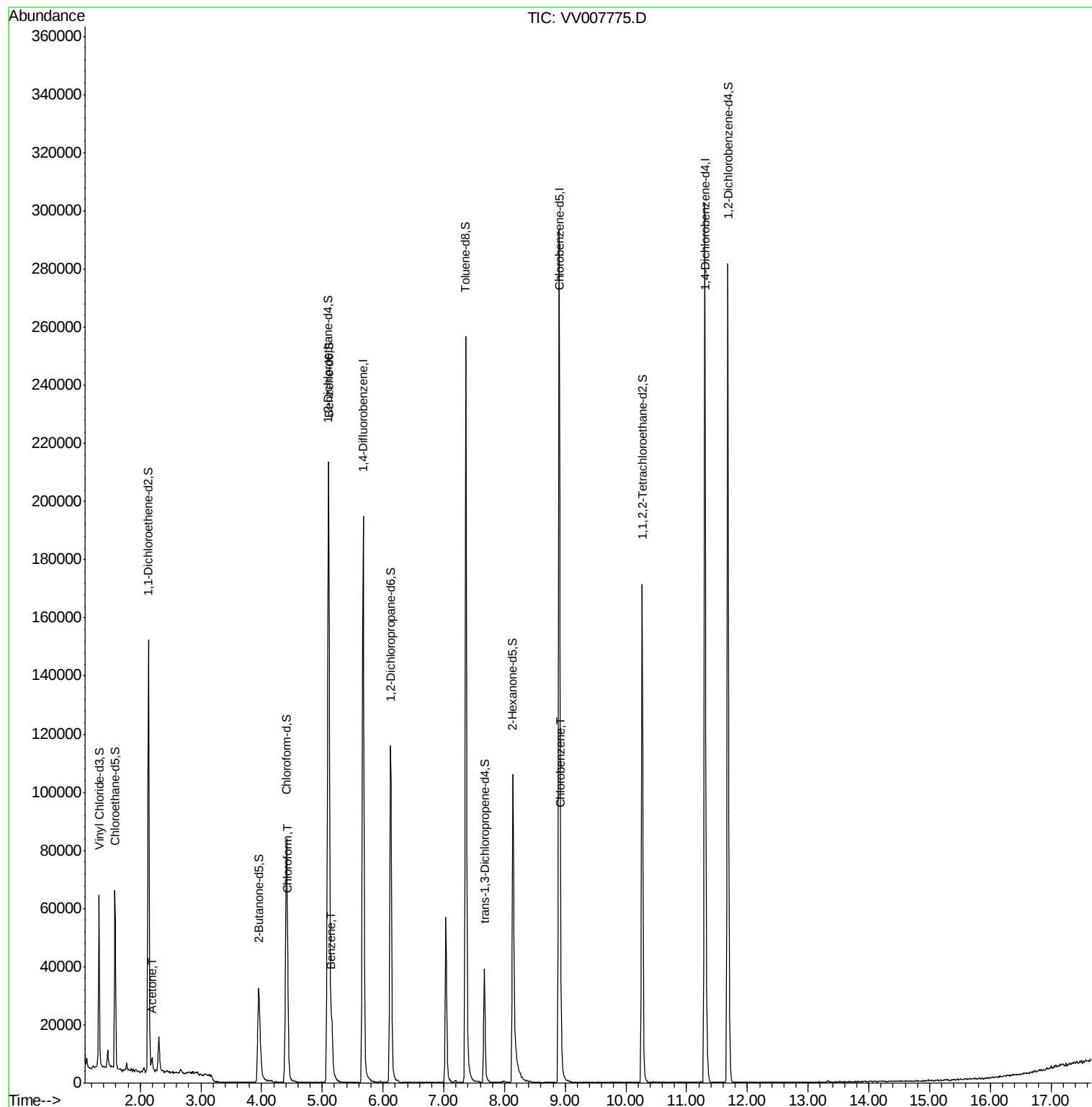
|                   |      |     |       |            | Ovalue |
|-------------------|------|-----|-------|------------|--------|
| 13) Acetone       | 2.20 | 43  | 2684  | 3.919 ug/L | 97     |
| 25) Chloroform    | 4.44 | 83  | 5246  | 2.589 ug/L | 99     |
| 33) Benzene       | 5.15 | 78  | 15984 | 3.847 ug/L | 100    |
| 51) Chlorobenzene | 8.93 | 112 | 9107  | 2.567 ug/L | 99     |

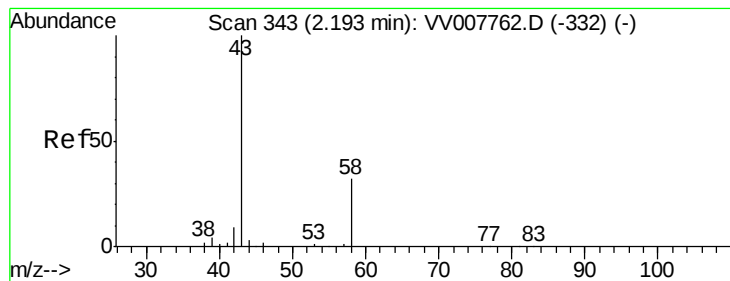
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : VOC Analysis  
QLast Update : Mon Sep 24 05:16:03 2018  
Response via : Initial Calibration





#13

Acetone

Concen: 3.919 ug/L

RT: 2.20 min Scan# 344

Delta R.T. 0.00 min

Lab File: VV007775.D

Acq: 23 Sep 2018 08:48

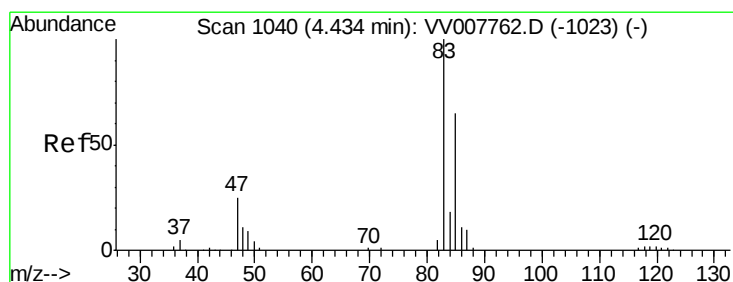
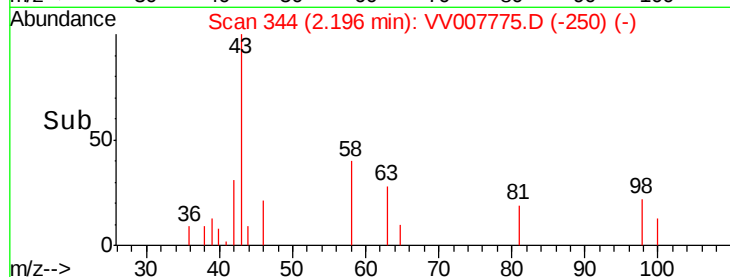
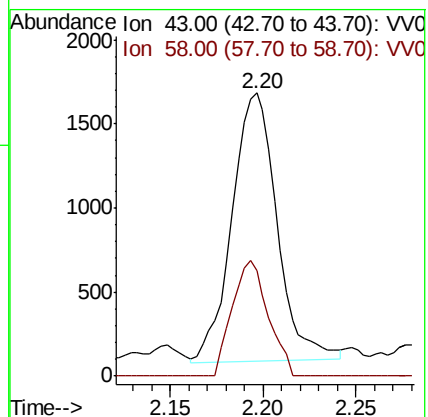
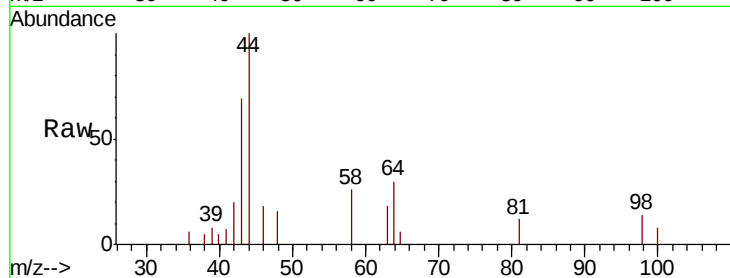
Instrument :  
MSVOA\_V  
ClientSampleId :  
C08S3

Tot Ion: 43 Resp: 2684

Ion Ratio Lower Upper

43 100

58 34.4 0.0 65.2



#25

Chloroform

Concen: 2.589 ug/L

RT: 4.44 min Scan# 1041

Delta R.T. 0.00 min

Lab File: VV007775.D

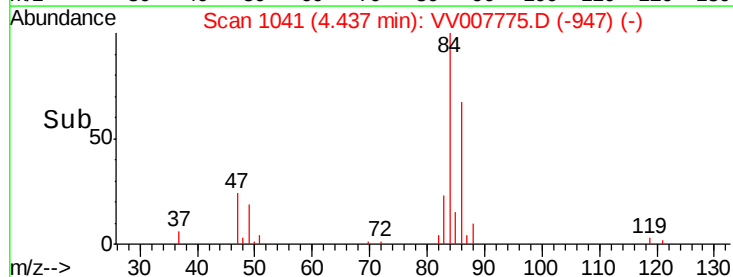
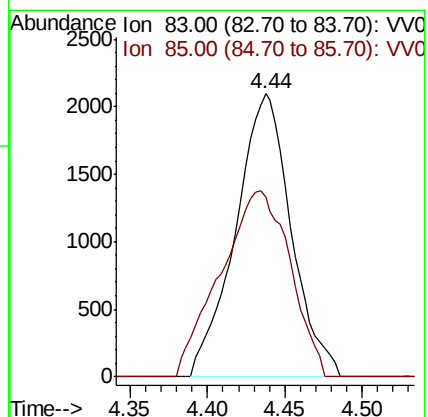
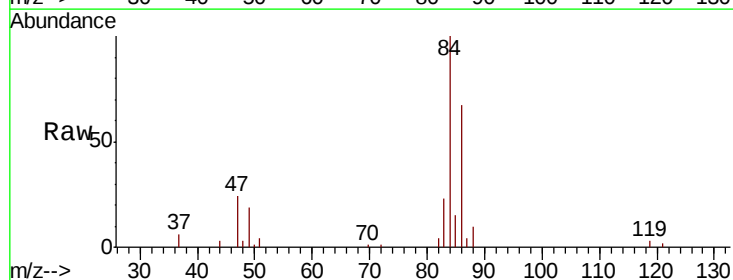
Acq: 23 Sep 2018 08:48

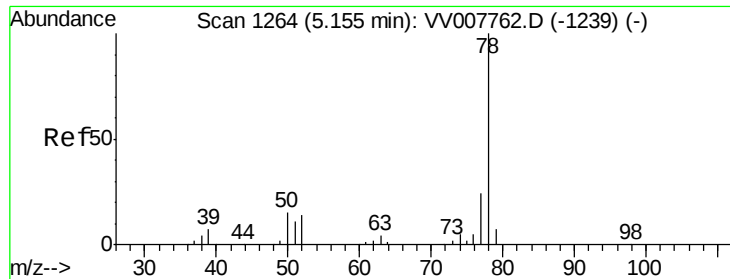
Tgt Ion: 83 Resp: 5246

Ion Ratio Lower Upper

83 100

85 63.3 44.0 81.8





#33

Benzene

Concen: 3.847 ug/L

RT: 5.15 min Scan# 1264

Delta R.T. -0.00 min

Lab File: VV007775.D

Acq: 23 Sep 2018 08:48

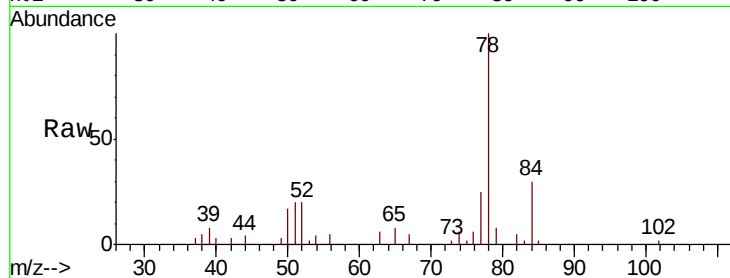
Instrument :

MSVOA\_V

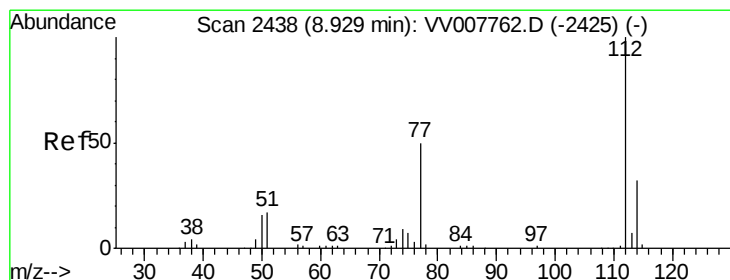
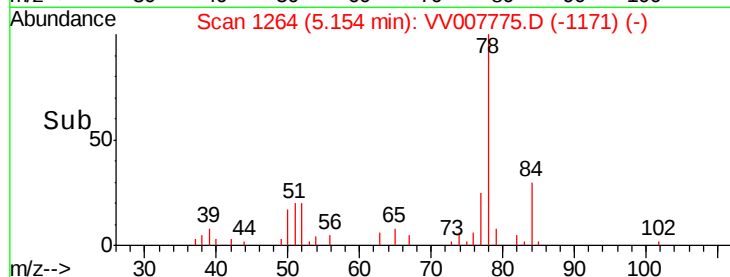
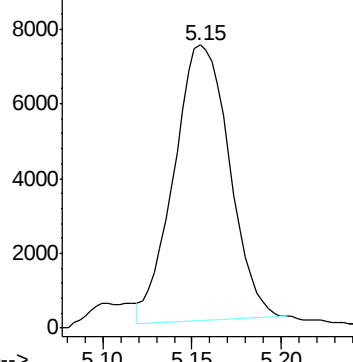
ClientSampleId :

C08S3

Tgt Ion: 78 Resp: 15984



Abundance Ion 78.00 (77.70 to 78.70): VV0



#51

Chlorobenzene

Concen: 2.567 ug/L

RT: 8.93 min Scan# 2438

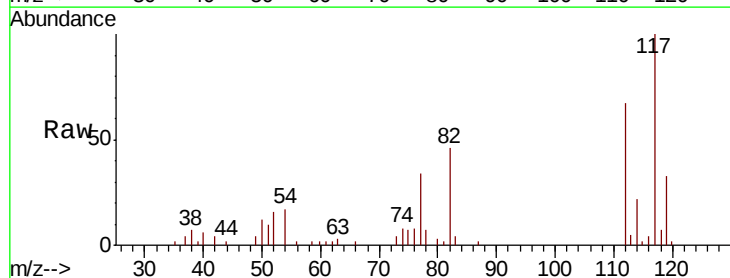
Delta R.T. -0.00 min

Lab File: VV007775.D

Acq: 23 Sep 2018 08:48

Tgt Ion: 112 Resp: 9107

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 112 | 100   |       |       |
| 114 | 32.0  | 22.3  | 41.3  |
| 77  | 50.2  | 40.6  | 60.8  |



Abundance Ion 112.00 (111.70 to 112.70): V

Ion 114.00 (113.70 to 114.70): V

Ion 77.00 (76.70 to 77.70): VV0

