

Data File : VW010968.D  
Acq On : 25 Jun 2019 15:16  
Operator : SY/VA  
Sample : K3456-13  
Misc : 4.26G/10ML/MSVOA\_W/SOIL  
ALS Vial : 1 Sample Multiplier: 1

Instrument :  
MSVOA\_W  
ClientSampleId :  
YANT7

Quant Time: Jun 26 03:00:03 2019  
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_W\METHOD\SOM2WLM062419S.M  
Quant Title : VOC Analysis  
QLast Update : Wed Jun 26 02:56:20 2019  
Response via : Initial Calibration

| Internal Standards         | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|----------------------------|-------|------|----------|-------|-------|----------|
| 1) 1,4-Difluorobenzene     | 8.84  | 114  | 348987   | 25.00 | ug/L  | 0.00     |
| 28) Chlorobenzene-d5       | 11.63 | 117  | 313845   | 25.00 | ug/L  | 0.00     |
| 60) 1,4-Dichlorobenzene-d4 | 13.56 | 152  | 144424   | 25.00 | ug/L  | 0.00     |

#### System Monitoring Compounds

|                                |        |       |          |          |      |        |
|--------------------------------|--------|-------|----------|----------|------|--------|
| 4) Vinyl Chloride-d3           | 2.35   | 65    | 90257    | 19.95    | ug/L | 0.00   |
| Spiked Amount                  | 25.000 | Range | 30 - 150 | Recovery | =    | 79.80% |
| 7) Chloroethane-d5             | 2.88   | 69    | 67268    | 19.29    | ug/L | 0.00   |
| Spiked Amount                  | 25.000 | Range | 30 - 150 | Recovery | =    | 77.16% |
| 10) 1,1-Dichloroethene-d2      | 4.01   | 63    | 154323   | 14.43    | ug/L | 0.00   |
| Spiked Amount                  | 25.000 | Range | 45 - 110 | Recovery | =    | 57.72% |
| 20) 2-Butanone-d5              | 7.07   | 46    | 82388    | 38.78    | ug/L | 0.00   |
| Spiked Amount                  | 50.000 | Range | 20 - 135 | Recovery | =    | 77.56% |
| 24) Chloroform-d               | 7.64   | 84    | 202352   | 21.50    | ug/L | 0.00   |
| Spiked Amount                  | 25.000 | Range | 40 - 150 | Recovery | =    | 86.00% |
| 26) 1,2-Dichloroethane-d4      | 8.31   | 65    | 128666   | 22.05    | ug/L | 0.00   |
| Spiked Amount                  | 25.000 | Range | 70 - 130 | Recovery | =    | 88.20% |
| 29) Benzene-d6                 | 8.27   | 84    | 419980   | 22.29    | ug/L | 0.00   |
| Spiked Amount                  | 25.000 | Range | 20 - 135 | Recovery | =    | 89.16% |
| 33) 1,2-Dichloropropane-d6     | 9.27   | 67    | 141560   | 22.74    | ug/L | 0.00   |
| Spiked Amount                  | 25.000 | Range | 70 - 120 | Recovery | =    | 90.96% |
| 37) Toluene-d8                 | 10.32  | 98    | 374920   | 22.05    | ug/L | 0.00   |
| Spiked Amount                  | 25.000 | Range | 30 - 130 | Recovery | =    | 88.20% |
| 38) trans-1,3-Dichloropropene- | 10.58  | 79    | 51923    | 18.84    | ug/L | 0.00   |
| Spiked Amount                  | 25.000 | Range | 30 - 135 | Recovery | =    | 75.36% |
| 39) 2-Hexanone-d5              | 10.93  | 63    | 55664    | 39.78    | ug/L | 0.00   |
| Spiked Amount                  | 50.000 | Range | 20 - 135 | Recovery | =    | 79.56% |
| 48) 1,1,2,2-Tetrachloroethane- | 12.69  | 84    | 105505   | 20.56    | ug/L | 0.00   |
| Spiked Amount                  | 25.000 | Range | 45 - 120 | Recovery | =    | 82.24% |
| 61) 1,2-Dichlorobenzene-d4     | 13.86  | 152   | 128869   | 23.64    | ug/L | 0.00   |
| Spiked Amount                  | 25.000 | Range | 75 - 120 | Recovery | =    | 94.56% |

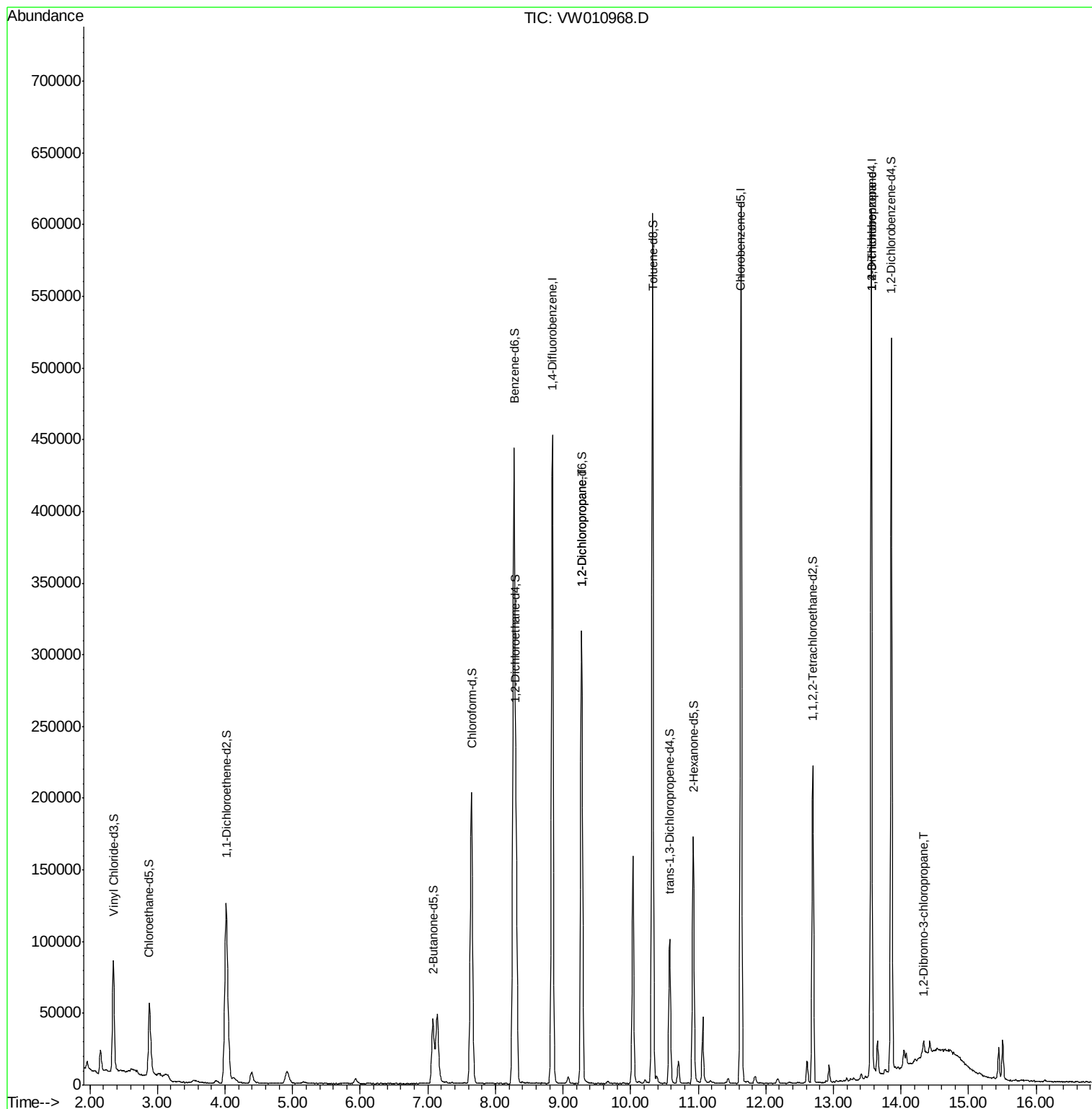
| Target Compounds               |       |    |       |              | Qvalue |
|--------------------------------|-------|----|-------|--------------|--------|
| 40) 1,2-Dichloropropane        | 9.27  | 63 | 16669 | 2.937 ug/L # | 88     |
| 59) 1,2,3-Trichloropropane     | 13.56 | 75 | 20138 | 5.099 ug/L   | 90     |
| 66) 1,2-Dibromo-3-chloropropan | 14.33 | 75 | 1017  | 1.143 ug/L # | 9      |

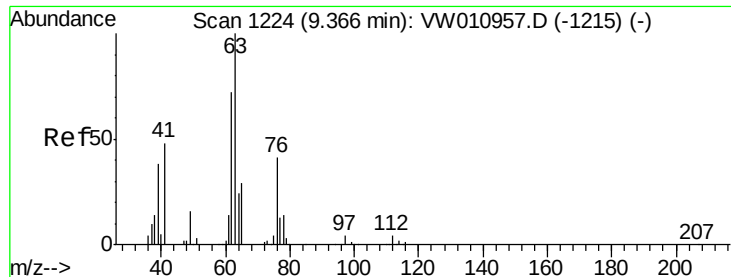
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#40

1,2-Dichloropropane

Concen: 2.937 ug/L

RT: 9.27 min Scan# 1209

Delta R.T. -0.09 min

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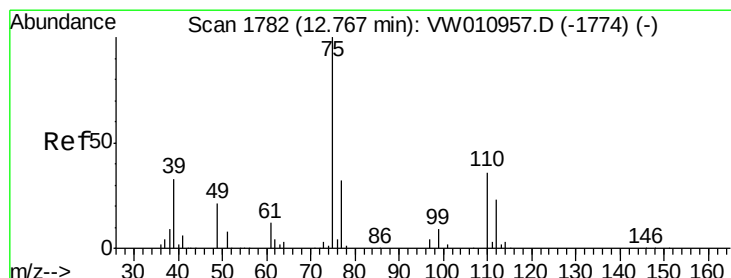
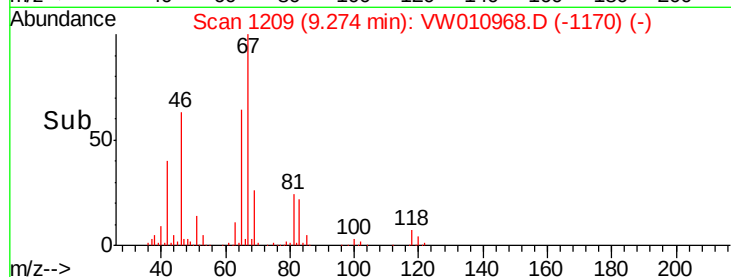
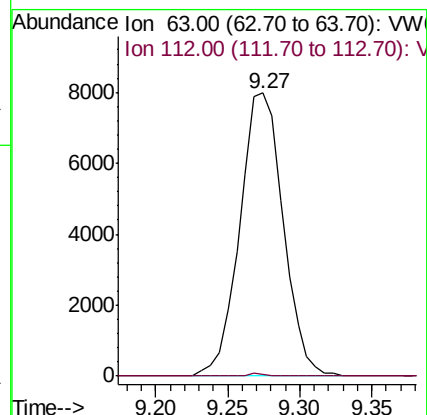
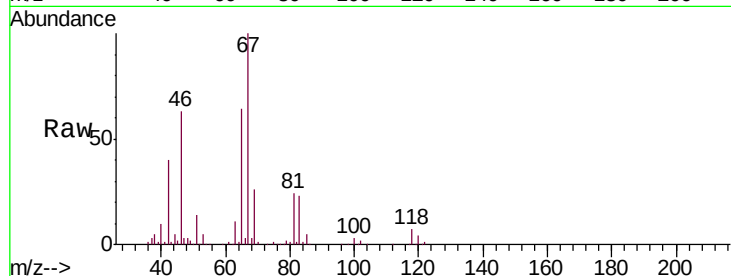
YANT7

Tgt Ion: 63 Resp: 16669

Ion Ratio Lower Upper

63 100

112 0.3 3.3 4.9#



#59

1,2,3-Trichloropropane

Concen: 5.099 ug/L

RT: 13.56 min Scan# 1912

Delta R.T. 0.79 min

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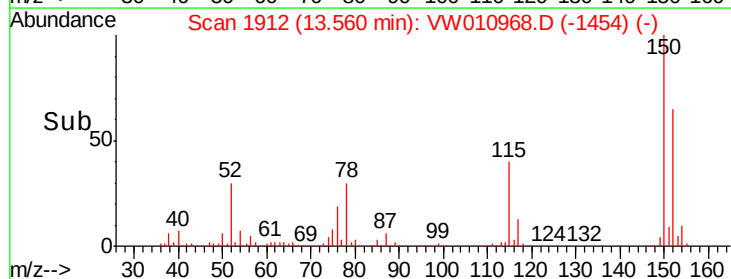
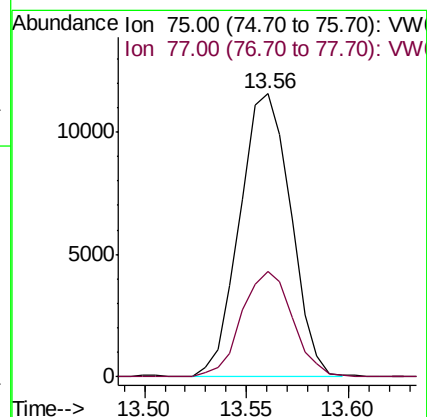
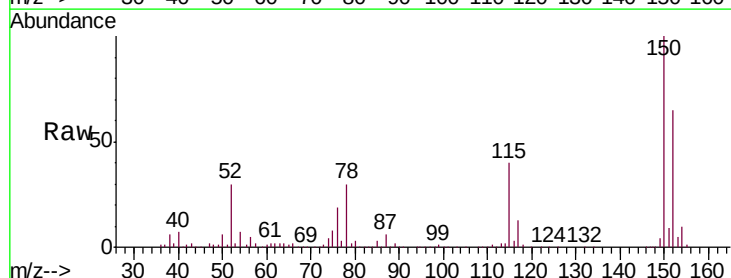
Acq: 25 Jun 2019 15:16

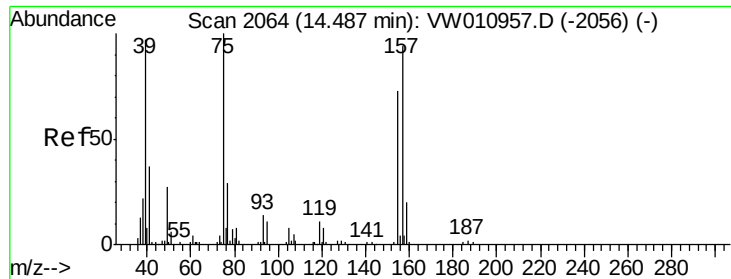
Tgt Ion: 75 Resp: 20138

Ion Ratio Lower Upper

75 100

77 37.1 25.2 37.8





#66

1,2-Dibromo-3-chloropropane

Concen: 1.143 ug/L

RT: 14.33 min Scan# 2039

Delta R.T. -0.15 min

Lab File: VW010968.D

Acq: 25 Jun 2019 15:16

Instrument :

MSVOA\_W

ClientSampleId :

YANT7

Tgt Ion: 75 Resp: 1017

Ion Ratio Lower Upper

75 100

157 0.0 71.8 107.8#

155 0.0 55.2 82.8#

