

Data File : VW014251.D  
Acq On : 06 Dec 2019 15:57  
Operator : SY/VA  
Sample : K6172-02  
Misc : 5.46G/10ML/MSVOA\_W/SOIL  
ALS Vial : 1 Sample Multiplier: 1

Instrument :  
MSVOA\_W  
ClientSampleId :  
C0BS8

Quant Time: Dec 07 04:13:51 2019  
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_W\METHOD\SOM2WLM120519S.M  
Quant Title : VOC Analysis  
QLast Update : Sat Dec 07 04:10:05 2019  
Response via : Initial Calibration

| Internal Standards         | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|----------------------------|-------|------|----------|-------|-------|----------|
| 1) 1,4-Difluorobenzene     | 8.84  | 114  | 1084118  | 25.00 | ug/L  | 0.00     |
| 28) Chlorobenzene-d5       | 11.63 | 117  | 849329   | 25.00 | ug/L  | 0.00     |
| 60) 1,4-Dichlorobenzene-d4 | 13.56 | 152  | 243481   | 25.00 | ug/L  | 0.00     |

#### System Monitoring Compounds

|                                |        |       |          |          |      |         |
|--------------------------------|--------|-------|----------|----------|------|---------|
| 4) Vinyl Chloride-d3           | 2.35   | 65    | 406293   | 24.75    | ug/L | 0.00    |
| Spiked Amount                  | 25.000 | Range | 30 - 150 | Recovery | =    | 99.00%  |
| 7) Chloroethane-d5             | 2.89   | 69    | 314423   | 25.76    | ug/L | 0.00    |
| Spiked Amount                  | 25.000 | Range | 30 - 150 | Recovery | =    | 103.04% |
| 10) 1,1-Dichloroethene-d2      | 4.01   | 63    | 543195   | 18.73    | ug/L | 0.00    |
| Spiked Amount                  | 25.000 | Range | 45 - 110 | Recovery | =    | 74.92%  |
| 20) 2-Butanone-d5              | 7.07   | 46    | 146298   | 34.20    | ug/L | 0.00    |
| Spiked Amount                  | 50.000 | Range | 20 - 135 | Recovery | =    | 68.40%  |
| 24) Chloroform-d               | 7.64   | 84    | 663534   | 24.04    | ug/L | 0.00    |
| Spiked Amount                  | 25.000 | Range | 40 - 150 | Recovery | =    | 96.16%  |
| 26) 1,2-Dichloroethane-d4      | 8.48   | 65    | 100      | 0.01     | ug/L | 0.18    |
| Spiked Amount                  | 25.000 | Range | 70 - 130 | Recovery | =    | 0.04%#  |
| 29) Benzene-d6                 | 8.27   | 84    | 1408764  | 28.30    | ug/L | 0.00    |
| Spiked Amount                  | 25.000 | Range | 20 - 135 | Recovery | =    | 113.20% |
| 33) 1,2-Dichloropropane-d6     | 9.27   | 67    | 425969   | 27.81    | ug/L | 0.00    |
| Spiked Amount                  | 25.000 | Range | 70 - 120 | Recovery | =    | 111.24% |
| 37) Toluene-d8                 | 10.32  | 98    | 1177703  | 26.17    | ug/L | 0.00    |
| Spiked Amount                  | 25.000 | Range | 30 - 130 | Recovery | =    | 104.68% |
| 38) trans-1,3-Dichloropropene- | 10.57  | 79    | 134302   | 20.90    | ug/L | 0.00    |
| Spiked Amount                  | 25.000 | Range | 30 - 135 | Recovery | =    | 83.60%  |
| 39) 2-Hexanone-d5              | 10.92  | 63    | 102874   | 33.78    | ug/L | 0.00    |
| Spiked Amount                  | 50.000 | Range | 20 - 135 | Recovery | =    | 67.56%  |
| 48) 1,1,2,2-Tetrachloroethane- | 12.69  | 84    | 244170   | 19.57    | ug/L | 0.00    |
| Spiked Amount                  | 25.000 | Range | 45 - 120 | Recovery | =    | 78.28%  |
| 61) 1,2-Dichlorobenzene-d4     | 13.85  | 152   | 234139   | 25.17    | ug/L | 0.00    |
| Spiked Amount                  | 25.000 | Range | 75 - 120 | Recovery | =    | 100.68% |

#### Target Compounds

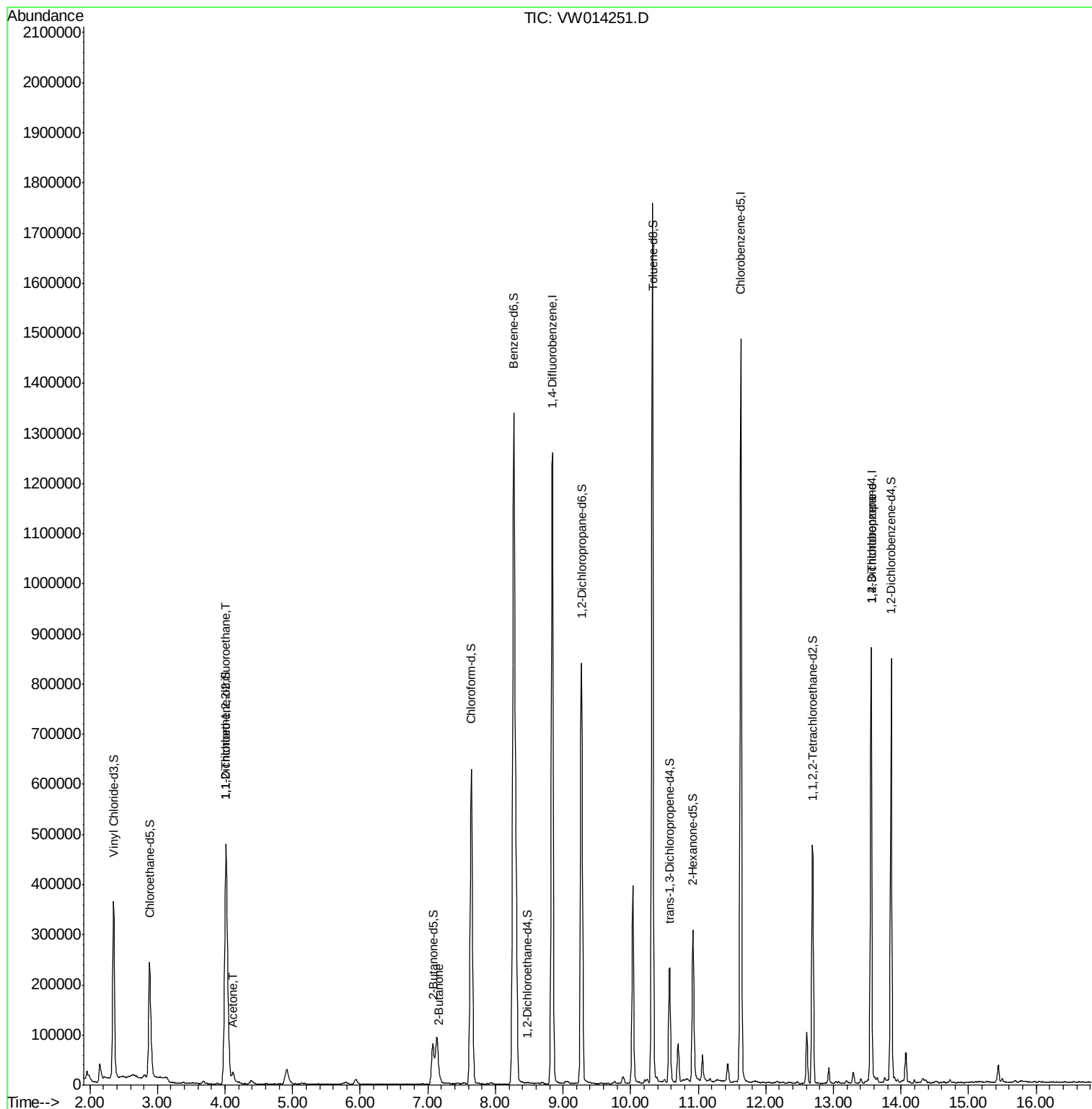
|                                |       |     |       |              | Qvalue |
|--------------------------------|-------|-----|-------|--------------|--------|
| 11) 1,1,2-Trichloro-1,2,2-trif | 4.01  | 101 | 6155  | 0.430 ug/L # | 17     |
| 13) Acetone                    | 4.12  | 43  | 36321 | 8.806 ug/L   | 98     |
| 21) 2-Butanone                 | 7.17  | 43  | 11710 | 2.115 ug/L   | 97     |
| 59) 1,2,3-Trichloropropane     | 13.55 | 75  | 29313 | 3.070 ug/L   | 96     |

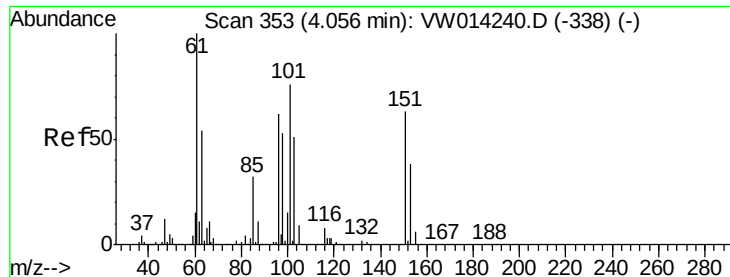
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data File : VW014251.D  
Acq On : 06 Dec 2019 15:57  
Operator : SY/VA  
Sample : K6172-02  
Misc : 5.46G/10ML/MSVOA\_W/SOIL  
ALS Vial : 1 Sample Multiplier: 1

Instrument :  
MSVOA\_W  
ClientSampleId :  
C0BS8

Quant Time: Dec 07 04:13:51 2019  
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_W\METHOD\SOM2WLM120519S.M  
Quant Title : VOC Analysis  
QLast Update : Sat Dec 07 04:10:05 2019  
Response via : Initial Calibration





#11

1,1,2-Trichloro-1,2,2-trifluoroethane

Concen: 0.430 ug/L

RT: 4.01 min Scan# 346

Delta R.T. -0.04 min

Lab File: VW014251.D

Acq: 06 Dec 2019 15:57

Instrument :

MSVOA\_W

ClientSampleId :

C0BS8

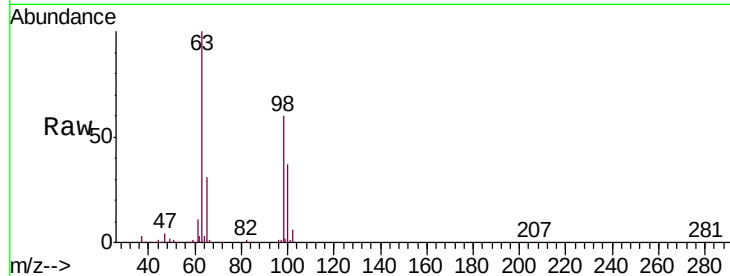
Tgt Ion:101 Resp: 6155

Ion Ratio Lower Upper

101 100

85 0.0 31.4 47.2#

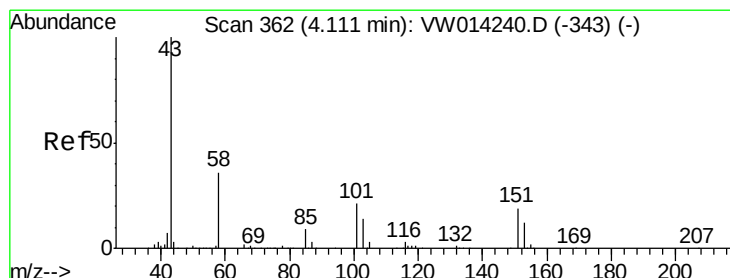
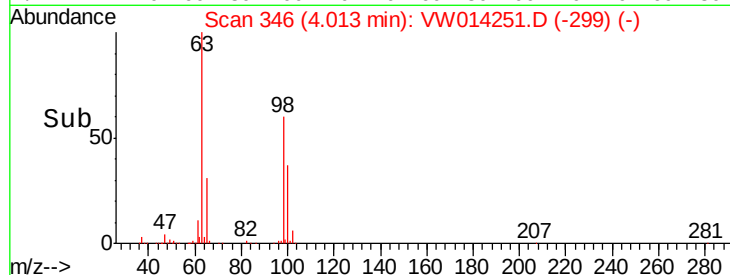
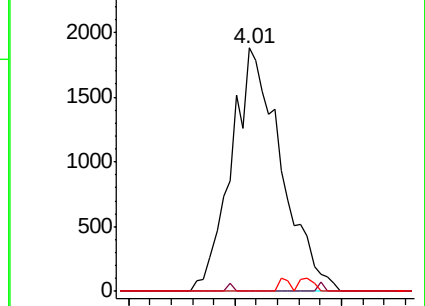
151 1.1 66.9 100.3#



Abundance Ion 101.00 (100.70 to 101.70): V

Ion 85.00 (84.70 to 85.70): VW

Ion 151.00 (150.70 to 151.70): V



#13

Acetone

Concen: 8.806 ug/L

RT: 4.12 min Scan# 363

Delta R.T. 0.01 min

Lab File: VW014251.D

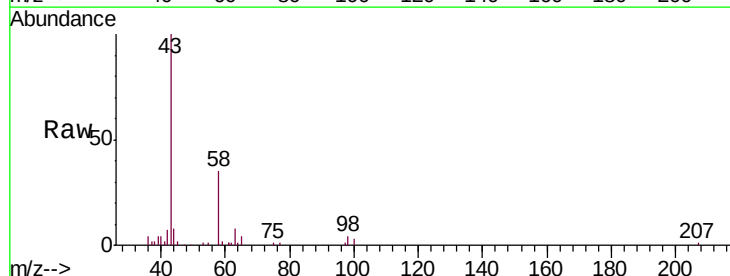
Acq: 06 Dec 2019 15:57

Tgt Ion: 43 Resp: 36321

Ion Ratio Lower Upper

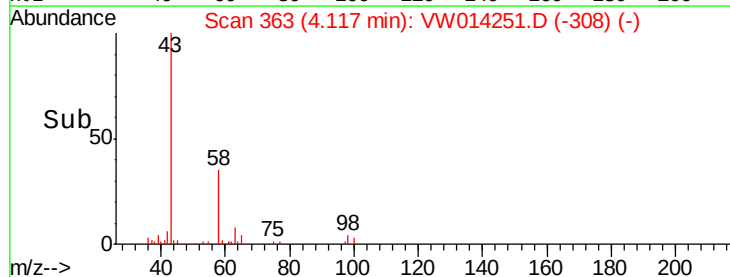
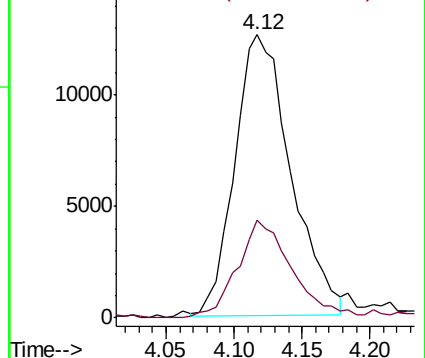
43 100

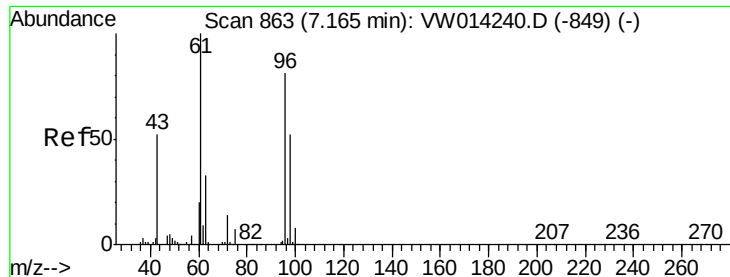
58 33.6 0.0 65.4



Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 58.00 (57.70 to 58.70): VW





#21

2-Butanone

Concen: 2.115 ug/L

RT: 7.17 min Scan# 864

Delta R.T. 0.01 min

Lab File: VW014251.D

Acq: 06 Dec 2019 15:57

Instrument :

MSVOA\_W

ClientSampleId :

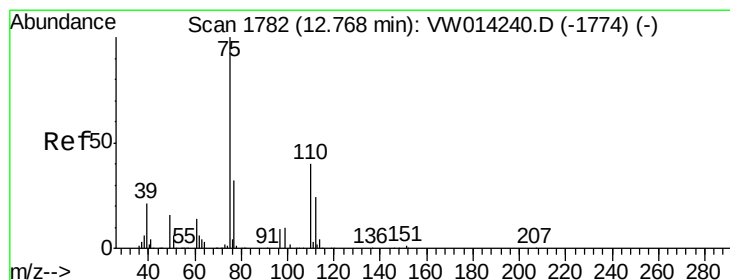
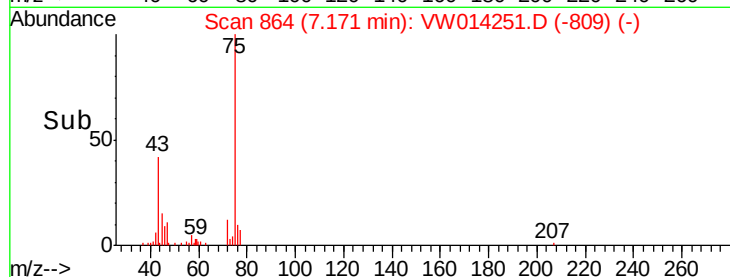
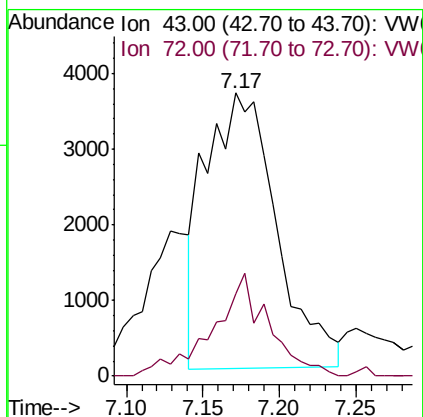
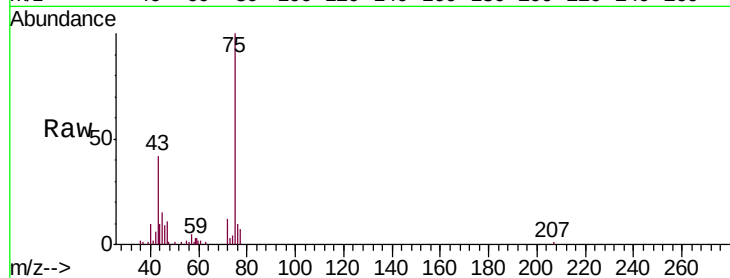
C0BS8

Tgt Ion: 43 Resp: 11710

Ion Ratio Lower Upper

43 100

72 29.5 14.1 42.2



#59

1,2,3-Trichloropropane

Concen: 3.070 ug/L

RT: 13.55 min Scan# 1911

Delta R.T. 0.79 min

Lab File: VW014251.D

Acq: 06 Dec 2019 15:57

Tgt Ion: 75 Resp: 29313

Ion Ratio Lower Upper

75 100

77 34.7 25.9 38.9

