

Data File : VV013091.D  
Acq On : 10 Oct 2019 15:16  
Operator : SY/MD  
Sample : K5262-10  
Misc : 5.84G/10ML/MSVOA\_V/SOIL  
ALS Vial : 1 Sample Multiplier: 1

Instrument :  
MSVOA\_V  
ClientSampleId :  
BFB74

Quant Time: Oct 11 07:34:15 2019  
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_V\METHOD\SOM2VLM092319S.M  
Quant Title : VOC Analysis  
QLast Update : Fri Oct 11 07:31:01 2019  
Response via : Initial Calibration

| Internal Standards         | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|----------------------------|-------|------|----------|-------|-------|----------|
| 1) 1,4-Difluorobenzene     | 5.66  | 114  | 686872   | 25.00 | ug/L  | 0.00     |
| 28) Chlorobenzene-d5       | 8.89  | 117  | 598187   | 25.00 | ug/L  | 0.00     |
| 60) 1,4-Dichlorobenzene-d4 | 11.29 | 152  | 180174   | 25.00 | ug/L  | 0.00     |

#### System Monitoring Compounds

|                                |        |       |          |          |      |         |
|--------------------------------|--------|-------|----------|----------|------|---------|
| 4) Vinyl Chloride-d3           | 1.32   | 65    | 179873   | 16.88    | ug/L | 0.00    |
| Spiked Amount                  | 25.000 | Range | 30 - 150 | Recovery | =    | 67.52%  |
| 7) Chloroethane-d5             | 1.58   | 69    | 186000   | 21.59    | ug/L | 0.00    |
| Spiked Amount                  | 25.000 | Range | 30 - 150 | Recovery | =    | 86.36%  |
| 10) 1,1-Dichloroethene-d2      | 2.13   | 63    | 265021   | 14.95    | ug/L | 0.00    |
| Spiked Amount                  | 25.000 | Range | 45 - 110 | Recovery | =    | 59.80%  |
| 20) 2-Butanone-d5              | 3.96   | 46    | 142705   | 38.78    | ug/L | 0.00    |
| Spiked Amount                  | 50.000 | Range | 20 - 135 | Recovery | =    | 77.56%  |
| 24) Chloroform-d               | 4.40   | 84    | 413394   | 21.91    | ug/L | 0.00    |
| Spiked Amount                  | 25.000 | Range | 40 - 150 | Recovery | =    | 87.64%  |
| 26) 1,2-Dichloroethane-d4      | 5.08   | 65    | 238954   | 21.79    | ug/L | 0.00    |
| Spiked Amount                  | 25.000 | Range | 70 - 130 | Recovery | =    | 87.16%  |
| 29) Benzene-d6                 | 5.10   | 84    | 810646   | 24.27    | ug/L | 0.00    |
| Spiked Amount                  | 25.000 | Range | 20 - 135 | Recovery | =    | 97.08%  |
| 33) 1,2-Dichloropropane-d6     | 6.11   | 67    | 267476   | 25.55    | ug/L | 0.00    |
| Spiked Amount                  | 25.000 | Range | 70 - 120 | Recovery | =    | 102.20% |
| 37) Toluene-d8                 | 7.36   | 98    | 653223   | 21.55    | ug/L | 0.00    |
| Spiked Amount                  | 25.000 | Range | 30 - 130 | Recovery | =    | 86.20%  |
| 38) trans-1,3-Dichloropropene- | 7.66   | 79    | 84622    | 19.09    | ug/L | 0.00    |
| Spiked Amount                  | 25.000 | Range | 30 - 135 | Recovery | =    | 76.36%  |
| 39) 2-Hexanone-d5              | 8.14   | 63    | 84559    | 40.14    | ug/L | 0.00    |
| Spiked Amount                  | 50.000 | Range | 20 - 135 | Recovery | =    | 80.28%  |
| 48) 1,1,2,2-Tetrachloroethane- | 10.26  | 84    | 207172   | 20.84    | ug/L | 0.00    |
| Spiked Amount                  | 25.000 | Range | 45 - 120 | Recovery | =    | 83.36%  |
| 61) 1,2-Dichlorobenzene-d4     | 11.67  | 152   | 164114   | 23.44    | ug/L | 0.00    |
| Spiked Amount                  | 25.000 | Range | 75 - 120 | Recovery | =    | 93.76%  |

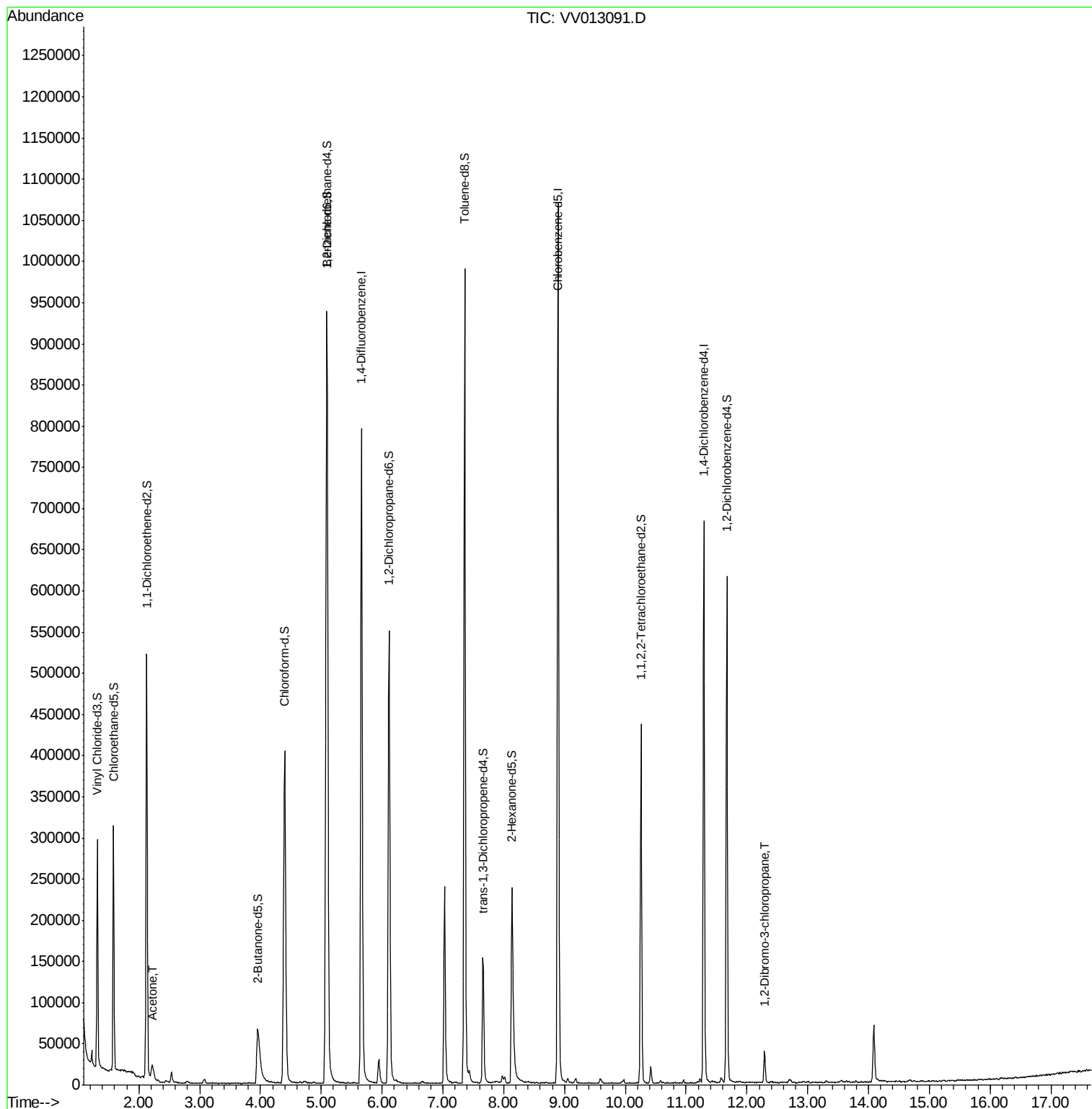
| Target Compounds               |       |    |       |       |        | Qvalue |
|--------------------------------|-------|----|-------|-------|--------|--------|
| 13) Acetone                    | 2.22  | 43 | 34678 | 8.866 | ug/L   | 97     |
| 66) 1,2-Dibromo-3-chloropropan | 12.29 | 75 | 1303  | 1.389 | ug/L # | 6      |

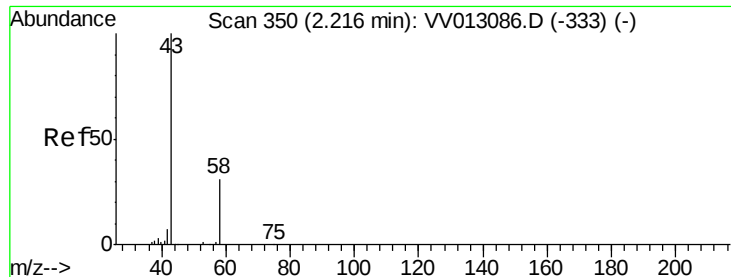
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#13

Acetone

Concen: 8.866 ug/L

RT: 2.22 min Scan# 352

Delta R.T. 0.01 min

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Instrument :

MSVOA\_V

ClientSampleId :

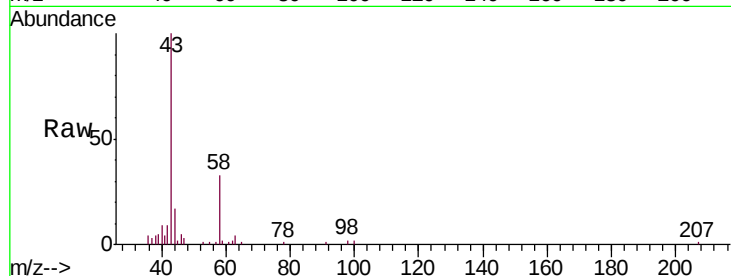
BFB74

Tgt Ion: 43 Resp: 34678

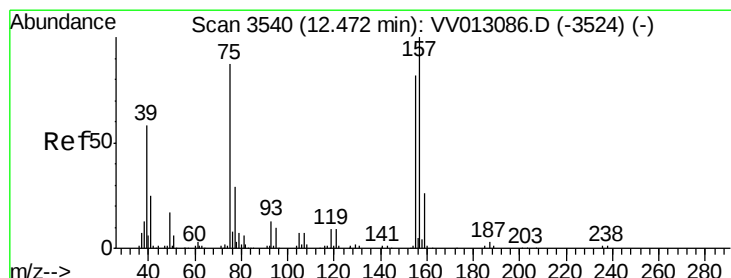
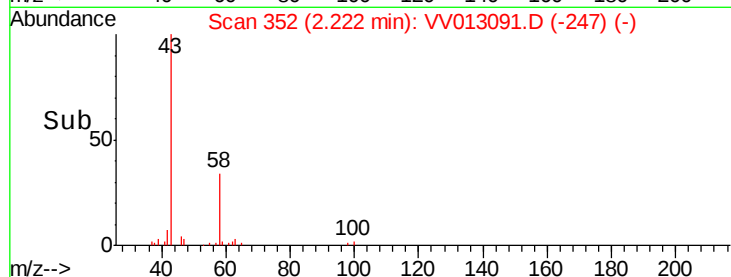
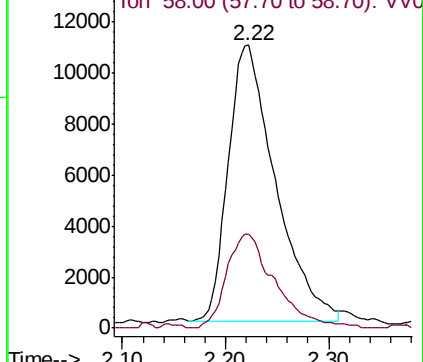
Ion Ratio Lower Upper

43 100

58 34.3 0.0 65.0



Abundance Ion 43.00 (42.70 to 43.70): VV013086.D (-333) (-)



#66

1,2-Dibromo-3-chloropropane

Concen: 1.389 ug/L

RT: 12.29 min Scan# 3482

Delta R.T. -0.19 min

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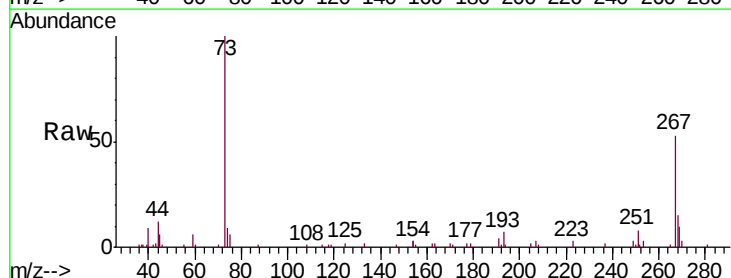
Tgt Ion: 75 Resp: 1303

Ion Ratio Lower Upper

75 100

157 0.0 91.7 137.5#

155 15.7 70.8 106.2#



Abundance Ion 75.00 (74.70 to 75.70): VV013086.D (-3524) (-)

