

Data Path : Z:\VOASRV\HPCHEM1\MSVOA V\DATA\VV010419\  
 Data File : VV009174.D  
 Acq On : 04 Jan 2019 22:43  
 Operator : SY/MD  
 Sample : K1051-07  
 Misc : 6.58 G/10ML/MSVOA V/SOIL  
 ALS Vial : 11 Sample Multiplier: 1

Instrument :  
 MSVOA\_V  
 ClientSampleId :  
 BE9X5

Manual Integrations  
 APPROVED

MMDadoda  
 1/8/2019 12:00:19 AM

Quant Time: Jan 05 06:07:40 2019  
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_V\METHOD\SOM2VLM010419S.M  
 Quant Title : VOC Analysis  
 QLast Update : Sat Jan 05 05:00:49 2019  
 Response via : Initial Calibration

| Internal Standards         | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|----------------------------|-------|------|----------|-------|-------|----------|
| 1) 1,4-Difluorobenzene     | 5.67  | 114  | 234387   | 25.00 | ug/L  | 0.00     |
| 28) Chlorobenzene-d5       | 8.90  | 117  | 214599   | 25.00 | ug/L  | 0.00     |
| 60) 1,4-Dichlorobenzene-d4 | 11.30 | 152  | 101318   | 25.00 | ug/L  | 0.00     |

## System Monitoring Compounds

|                                |        |       |          |          |      |        |
|--------------------------------|--------|-------|----------|----------|------|--------|
| 4) Vinyl Chloride-d3           | 1.32   | 65    | 31821    | 19.85    | ug/L | 0.00   |
| Spiked Amount                  | 25.000 | Range | 30 - 150 | Recovery | =    | 79.40% |
| 7) Chloroethane-d5             | 1.58   | 69    | 32979    | 21.21    | ug/L | 0.00   |
| Spiked Amount                  | 25.000 | Range | 30 - 150 | Recovery | =    | 84.84% |
| 10) 1,1-Dichloroethene-d2      | 2.13   | 63    | 76247    | 14.23    | ug/L | 0.00   |
| Spiked Amount                  | 25.000 | Range | 45 - 110 | Recovery | =    | 56.92% |
| 20) 2-Butanone-d5              | 3.96   | 46    | 32899m   | 29.17    | ug/L | 0.00   |
| Spiked Amount                  | 50.000 | Range | 20 - 135 | Recovery | =    | 58.34% |
| 24) Chloroform-d               | 4.40   | 84    | 108055   | 21.89    | ug/L | 0.00   |
| Spiked Amount                  | 25.000 | Range | 40 - 150 | Recovery | =    | 87.56% |
| 26) 1,2-Dichloroethane-d4      | 5.08   | 65    | 58968    | 22.33    | ug/L | 0.00   |
| Spiked Amount                  | 25.000 | Range | 70 - 130 | Recovery | =    | 89.32% |
| 29) Benzene-d6                 | 5.10   | 84    | 218735   | 22.88    | ug/L | 0.00   |
| Spiked Amount                  | 25.000 | Range | 20 - 135 | Recovery | =    | 91.52% |
| 33) 1,2-Dichloropropane-d6     | 6.12   | 67    | 64772    | 23.63    | ug/L | 0.00   |
| Spiked Amount                  | 25.000 | Range | 70 - 120 | Recovery | =    | 94.52% |
| 37) Toluene-d8                 | 7.36   | 98    | 196509   | 21.79    | ug/L | 0.00   |
| Spiked Amount                  | 25.000 | Range | 30 - 130 | Recovery | =    | 87.16% |
| 38) trans-1,3-Dichloropropene- | 7.67   | 79    | 26655    | 20.49    | ug/L | 0.00   |
| Spiked Amount                  | 25.000 | Range | 30 - 135 | Recovery | =    | 81.96% |
| 39) 2-Hexanone-d5              | 8.14   | 63    | 20130    | 31.11    | ug/L | 0.00   |
| Spiked Amount                  | 50.000 | Range | 20 - 135 | Recovery | =    | 62.22% |
| 48) 1,1,2,2-Tetrachloroethane- | 10.26  | 84    | 57864    | 19.21    | ug/L | 0.00   |
| Spiked Amount                  | 25.000 | Range | 45 - 120 | Recovery | =    | 76.84% |
| 61) 1,2-Dichlorobenzene-d4     | 11.68  | 152   | 78706    | 22.98    | ug/L | 0.00   |
| Spiked Amount                  | 25.000 | Range | 75 - 120 | Recovery | =    | 91.92% |

| Target Compounds       |      |    |       |            | Ovalue |
|------------------------|------|----|-------|------------|--------|
| 13) Acetone            | 2.22 | 43 | 6794  | 4.250 ug/L | 85     |
| 16) Methylene chloride | 2.54 | 84 | 22618 | 6.459 ug/L | 97     |
| 35) Trichloroethene    | 5.96 | 95 | 12268 | 3.691 ug/L | 96     |

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

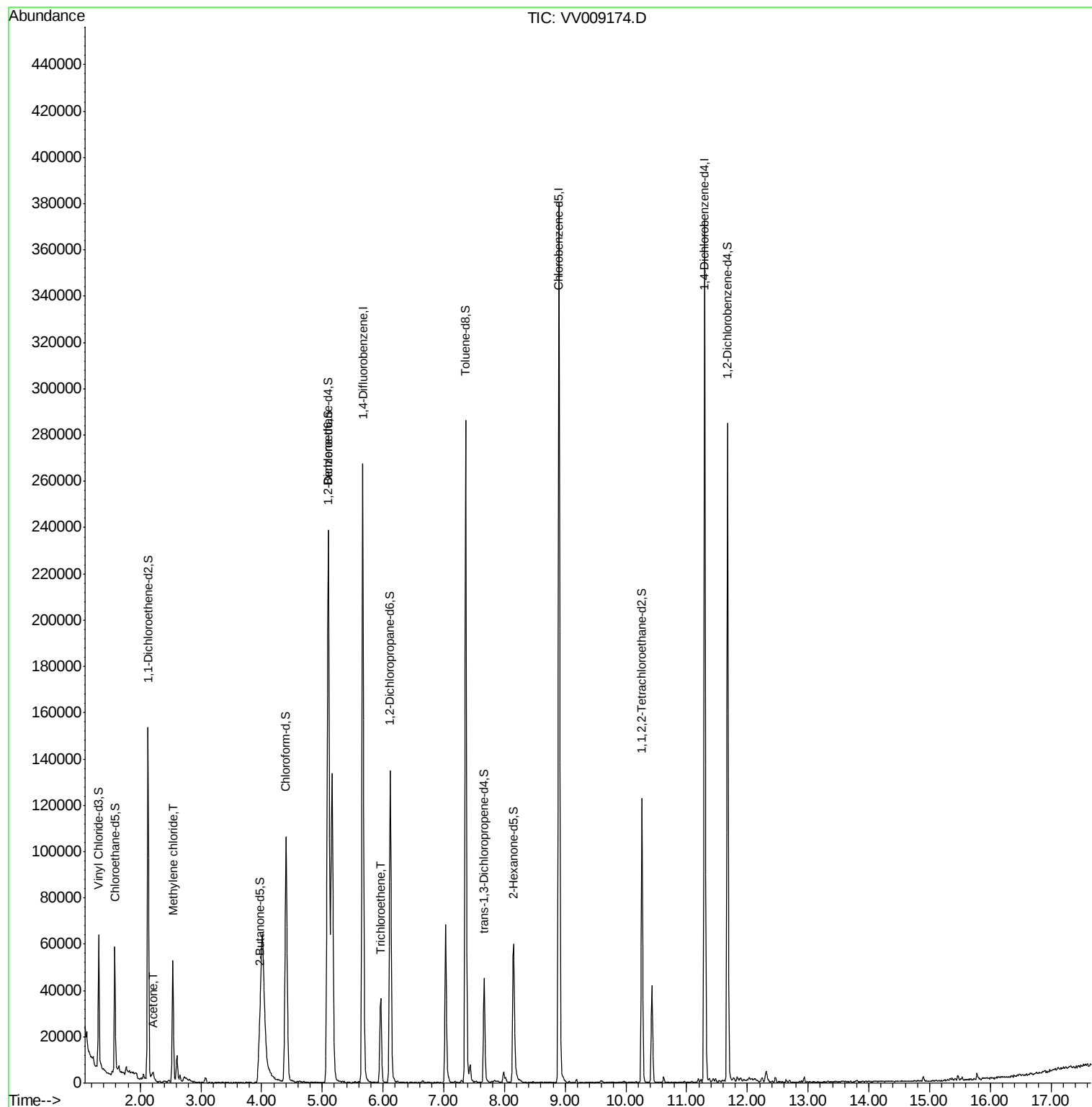
Data Path : Z:\V0ASRV\HPCHEM1\MSVOA V\DATA\VV010419\  
Data File : VV009174.D  
Acq On : 04 Jan 2019 22:43  
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ALS Vial : 11 Sample Multiplier: 1

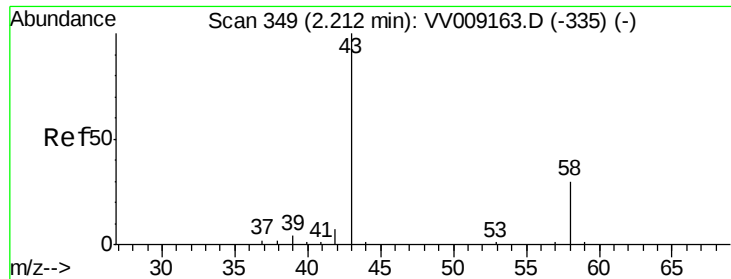
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Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA\_V\METHOD\SOM2VLM010419S.M  
Quant Title : VOC Analysis  
QLast Update : Sat Jan 05 05:00:49 2019  
Response via : Initial Calibration





#13

Acetone

Concen: 4.250 ug/L

RT: 2.22 min Scan# 350

Delta R.T. 0.00 min

Lab File: VV009174.D

Acq: 04 Jan 2019 22:43

Instrument :

MSVOA\_V

ClientSampleId :

BE9X5

Tot Ion: 43 Resp: 6794

Ion Ratio Lower Upper

43 100

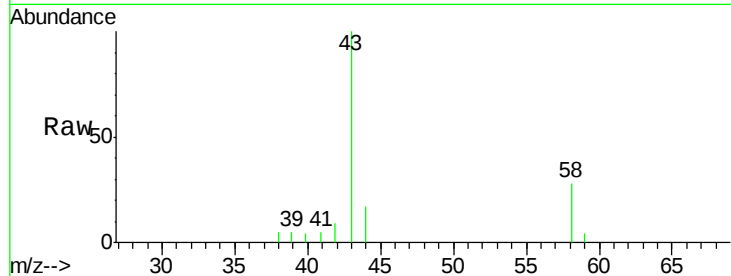
58 25.1 0.0 67.0

Manual Integrations

APPROVED

MMDadoda

1/8/2019 12:00:19 AM



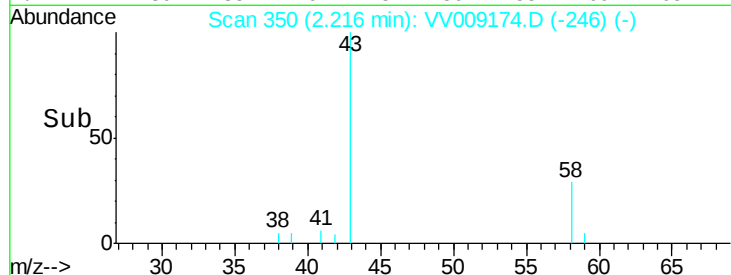
Abundance Ion 43.00 (42.70 to 43.70): VV009174.D (-246) (-)

Ion 58.00 (57.70 to 58.70): VV009174.D (-246) (-)

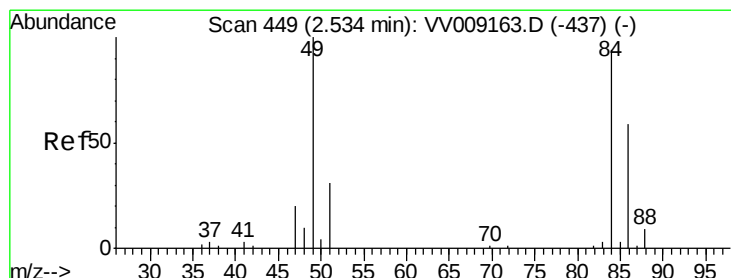
2.22

2.25

2.30



Time-->



#16

Methylene chloride

Concen: 6.459 ug/L

RT: 2.54 min Scan# 450

Delta R.T. 0.00 min

Lab File: VV009174.D

Acq: 04 Jan 2019 22:43

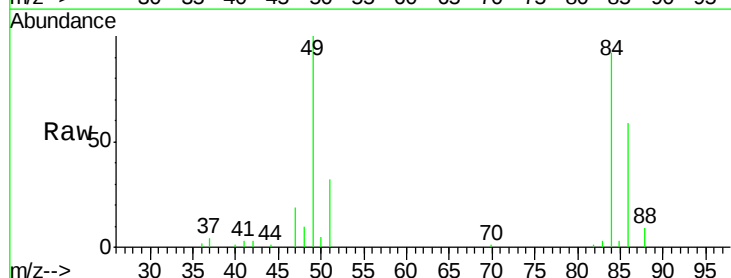
Tgt Ion: 84 Resp: 22618

Ion Ratio Lower Upper

84 100

49 108.9 77.6 144.2

86 63.9 47.4 88.0



Abundance Ion 84.00 (83.70 to 84.70): VV009174.D (-346) (-)

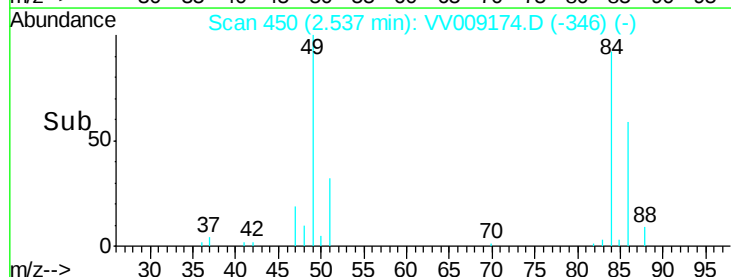
Ion 49.00 (48.70 to 49.70): VV009174.D (-346) (-)

Ion 86.00 (85.70 to 86.70): VV009174.D (-346) (-)

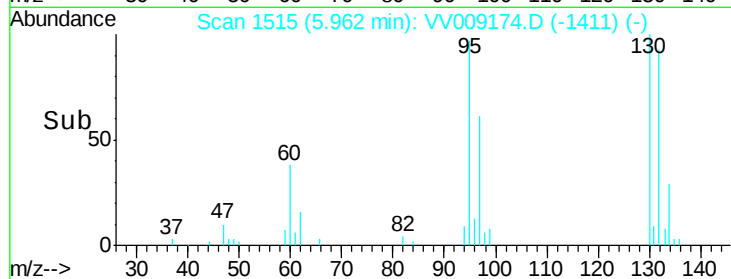
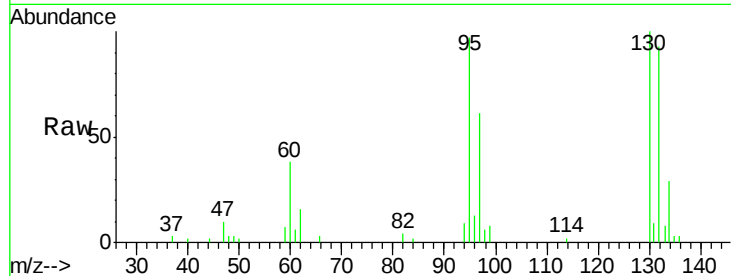
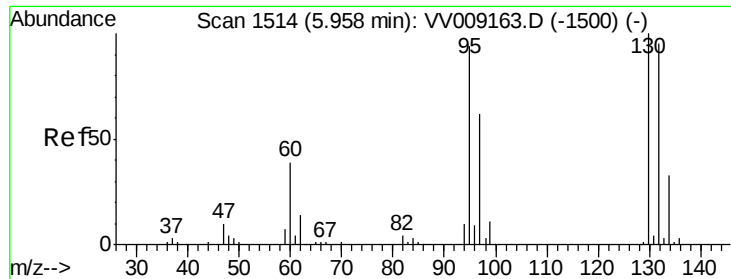
2.54

2.55

2.60



Time-->



#35

Trichloroethene

Concen: 3.691 ug/L

RT: 5.96 min Scan# 1515

Delta R.T. 0.00 min

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Acq: 04 Jan 2019 22:43

| Tot Ion   | 95    | Resp  | 12268 |
|-----------|-------|-------|-------|
| Ion Ratio | Lower | Upper |       |
| 95        | 100   |       |       |
| 97        | 62.3  | 46.2  | 85.8  |
| 132       | 100.0 | 73.9  | 137.3 |
| 130       | 107.5 | 77.0  | 143.0 |

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