

Data Path : Z:\VOASRV\HPCHEM1\MSVOA V\DATA\VV010419\  
 Data File : VV009173.D  
 Acq On : 04 Jan 2019 22:17  
 Operator : SY/MD  
 Sample : K1051-04  
 Misc : 6.57 G/10ML/MSVOA V/SOIL  
 ALS Vial : 11 Sample Multiplier: 1

Instrument :  
 MSVOA\_V  
 ClientSampleId :  
 BE9X2

Manual Integrations  
 APPROVED

MMDadoda  
 1/8/2019 12:00:18 AM

Quant Time: Jan 05 05:58:52 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     | 5.66  | 114  | 181010   | 25.00 | ug/L  | 0.00     |
| 28) Chlorobenzene-d5       | 8.90  | 117  | 171597   | 25.00 | ug/L  | 0.00     |
| 60) 1,4-Dichlorobenzene-d4 | 11.30 | 152  | 85272    | 25.00 | ug/L  | 0.00     |

## System Monitoring Compounds

|                                |        |       |          |          |      |         |
|--------------------------------|--------|-------|----------|----------|------|---------|
| 4) Vinyl Chloride-d3           | 1.32   | 65    | 24203    | 19.55    | ug/L | 0.00    |
| Spiked Amount                  | 25.000 | Range | 30 - 150 | Recovery | =    | 78.20%  |
| 7) Chloroethane-d5             | 1.58   | 69    | 24737    | 20.60    | ug/L | 0.00    |
| Spiked Amount                  | 25.000 | Range | 30 - 150 | Recovery | =    | 82.40%  |
| 10) 1,1-Dichloroethene-d2      | 2.13   | 63    | 60382m   | 14.59    | ug/L | 0.00    |
| Spiked Amount                  | 25.000 | Range | 45 - 110 | Recovery | =    | 58.36%  |
| 20) 2-Butanone-d5              | 3.96   | 46    | 33724    | 38.72    | ug/L | 0.00    |
| Spiked Amount                  | 50.000 | Range | 20 - 135 | Recovery | =    | 77.44%  |
| 24) Chloroform-d               | 4.40   | 84    | 85866    | 22.53    | ug/L | 0.00    |
| Spiked Amount                  | 25.000 | Range | 40 - 150 | Recovery | =    | 90.12%  |
| 26) 1,2-Dichloroethane-d4      | 5.08   | 65    | 51945    | 25.48    | ug/L | 0.00    |
| Spiked Amount                  | 25.000 | Range | 70 - 130 | Recovery | =    | 101.92% |
| 29) Benzene-d6                 | 5.10   | 84    | 169763   | 22.20    | ug/L | 0.00    |
| Spiked Amount                  | 25.000 | Range | 20 - 135 | Recovery | =    | 88.80%  |
| 33) 1,2-Dichloropropane-d6     | 6.12   | 67    | 51693    | 23.58    | ug/L | 0.00    |
| Spiked Amount                  | 25.000 | Range | 70 - 120 | Recovery | =    | 94.32%  |
| 37) Toluene-d8                 | 7.36   | 98    | 150067   | 20.81    | ug/L | 0.00    |
| Spiked Amount                  | 25.000 | Range | 30 - 130 | Recovery | =    | 83.24%  |
| 38) trans-1,3-Dichloropropene- | 7.67   | 79    | 22288    | 21.43    | ug/L | 0.00    |
| Spiked Amount                  | 25.000 | Range | 30 - 135 | Recovery | =    | 85.72%  |
| 39) 2-Hexanone-d5              | 8.14   | 63    | 22717    | 43.91    | ug/L | 0.00    |
| Spiked Amount                  | 50.000 | Range | 20 - 135 | Recovery | =    | 87.82%  |
| 48) 1,1,2,2-Tetrachloroethane- | 10.26  | 84    | 59628    | 24.75    | ug/L | 0.00    |
| Spiked Amount                  | 25.000 | Range | 45 - 120 | Recovery | =    | 99.00%  |
| 61) 1,2-Dichlorobenzene-d4     | 11.68  | 152   | 65865    | 22.85    | ug/L | 0.00    |
| Spiked Amount                  | 25.000 | Range | 75 - 120 | Recovery | =    | 91.40%  |

| Target Compounds       |      |    |       |             | Ovalue |
|------------------------|------|----|-------|-------------|--------|
| 13) Acetone            | 2.22 | 43 | 7714  | 6.249 ug/L  | 97     |
| 16) Methylene chloride | 2.54 | 84 | 42117 | 15.574 ug/L | 94     |
| 35) Trichloroethene    | 5.96 | 95 | 28889 | 10.870 ug/L | 98     |

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

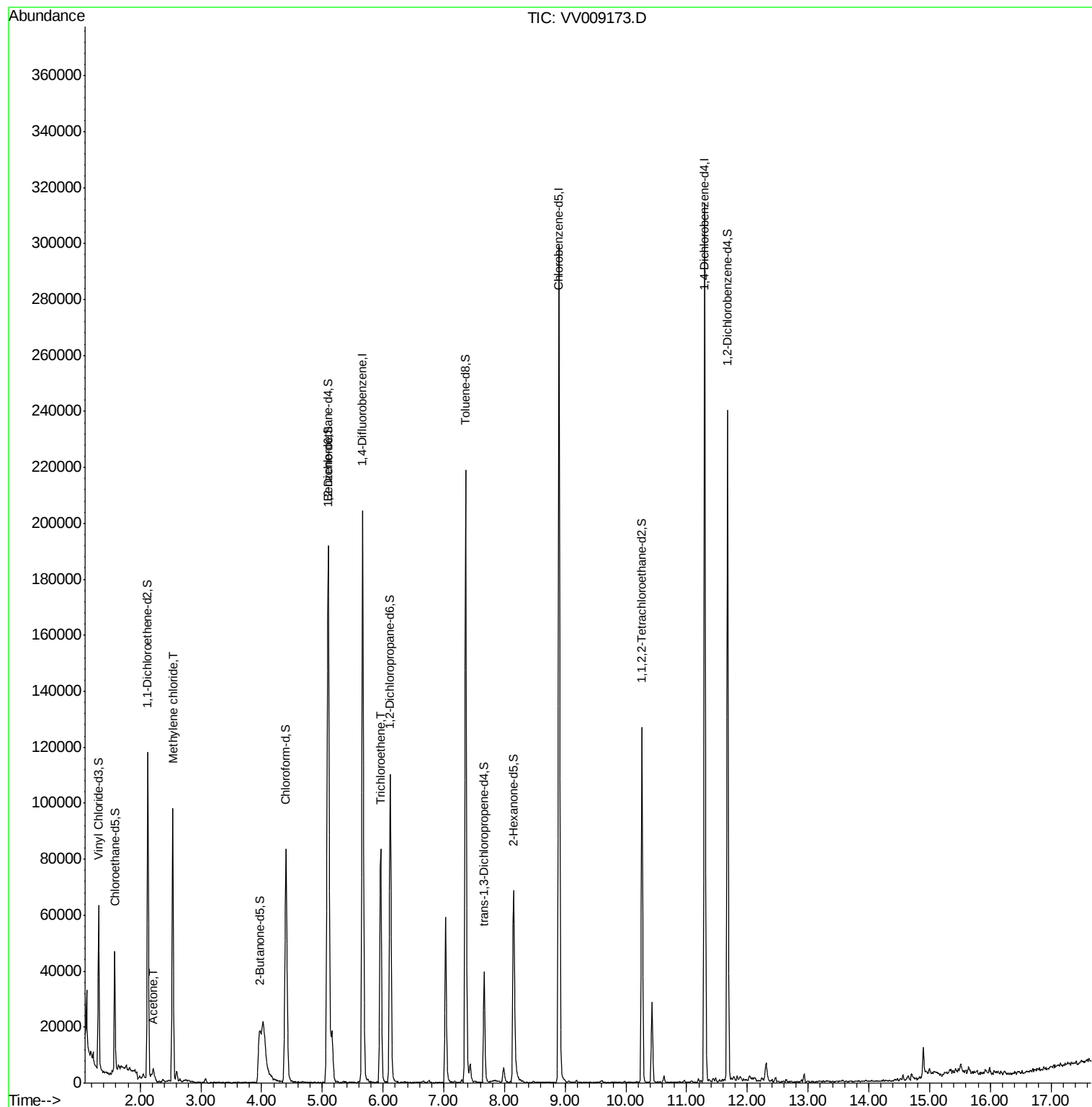
Data Path : Z:\V0ASRV\HPCHEM1\MSVOA V\DATA\VV010419\  
Data File : VV009173.D  
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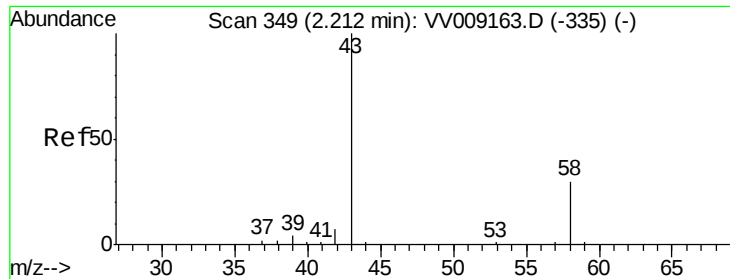
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Quant Title : VOC Analysis  
QLast Update : Sat Jan 05 05:00:49 2019  
Response via : Initial Calibration





#13

Acetone

Concen: 6.249 ug/L

RT: 2.22 min Scan# 350

Delta R.T. 0.00 min

Lab File: VV009173.D

Acq: 04 Jan 2019 22:17

Instrument :

MSVOA\_V

ClientSampled :

BE9X2

Tot Ion: 43 Resp: 7714

Ion Ratio Lower Upper

43 100

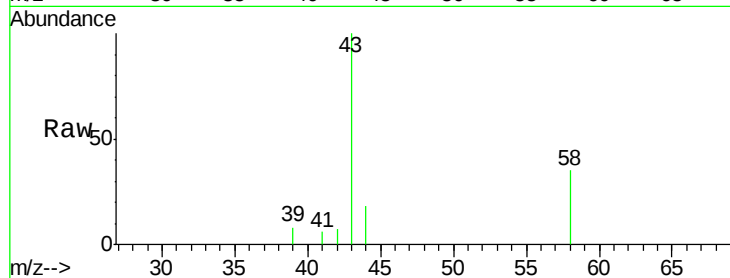
58 31.6 0.0 67.0

Manual Integrations

APPROVED

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1/8/2019 12:00:18 AM



Abundance Ion 43.00 (42.70 to 43.70): VV009173.D (-246) (-)

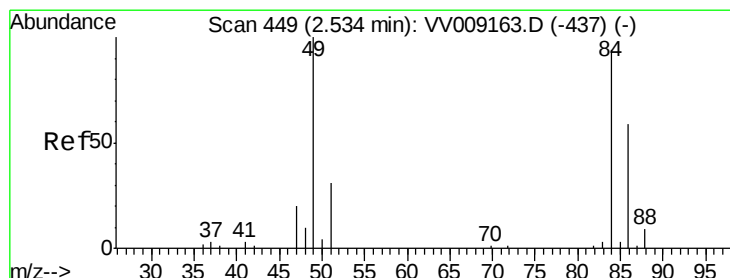
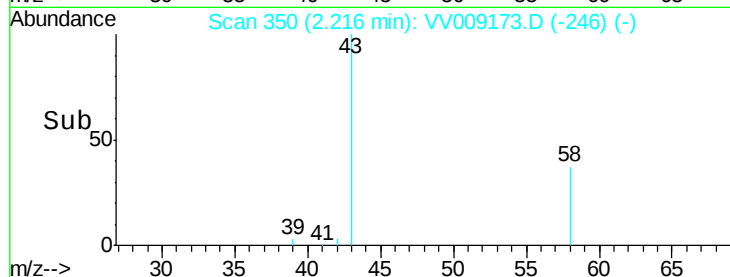
Ion 58.00 (57.70 to 58.70): VV009173.D (-246) (-)

2.22

2.25

2.30

Time-->



#16

Methylene chloride

Concen: 15.574 ug/L

RT: 2.54 min Scan# 450

Delta R.T. 0.00 min

Lab File: VV009173.D

Acq: 04 Jan 2019 22:17

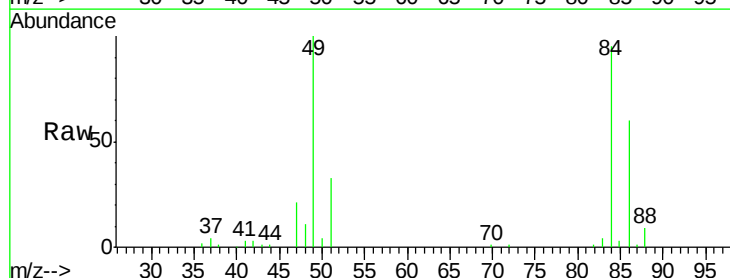
Tgt Ion: 84 Resp: 42117

Ion Ratio Lower Upper

84 100

49 104.9 77.6 144.2

86 63.0 47.4 88.0



Abundance Ion 84.00 (83.70 to 84.70): VV009173.D (-346) (-)

Ion 49.00 (48.70 to 49.70): VV009173.D (-346) (-)

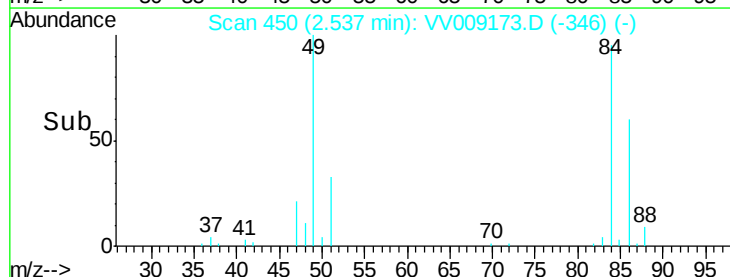
Ion 86.00 (85.70 to 86.70): VV009173.D (-346) (-)

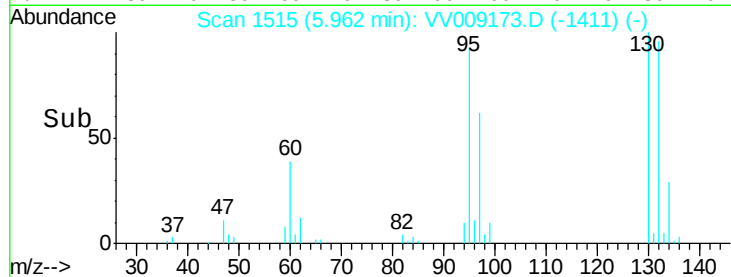
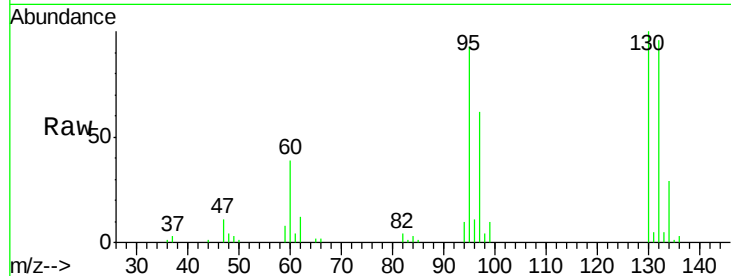
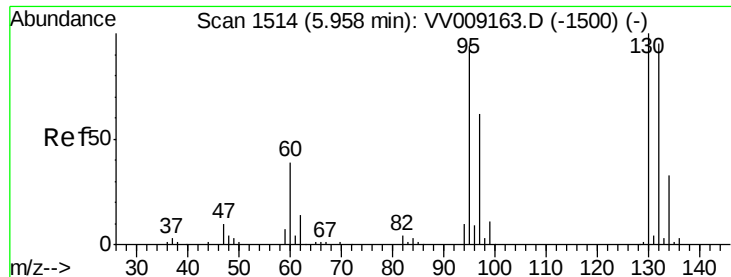
2.54

2.55

2.60

Time-->





#35

Trichloroethene

Concen: 10.870 ug/L

RT: 5.96 min Scan# 1515

Delta R.T. 0.00 min

Lab File: VV009173.D

Acq: 04 Jan 2019 22:17

| Tot Ion | Ion   | Ratio | Resp  | Lower | Upper |
|---------|-------|-------|-------|-------|-------|
| 95      | 100   |       | 28889 |       |       |
| 97      | 65.4  | 46.2  | 85.8  |       |       |
| 132     | 101.5 | 73.9  | 137.3 |       |       |
| 130     | 107.9 | 77.0  | 143.0 |       |       |

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