

Data Path : Z:\VOASRV\HPCHEM1\MSVOA V\DATA\VV022519\  
 Data File : VV009353.D  
 Acq On : 25 Feb 2019 17:28  
 Operator : SY/MD  
 Sample : K1601-05  
 Misc : 5.82G/10ML/MSVOA V/SOIL  
 ALS Vial : 1 Sample Multiplier: 1

Instrument :  
 MSVOA\_V  
 ClientSampleId :  
 BF7X9

Quant Time: Feb 26 03:10:00 2019  
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_V\METHOD\SOM2VLM022019S.M  
 Quant Title : VOC Analysis  
 QLast Update : Tue Feb 26 02:46:42 2019  
 Response via : Initial Calibration

| Internal Standards         | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|----------------------------|-------|------|----------|-------|-------|----------|
| 1) 1,4-Difluorobenzene     | 5.66  | 114  | 128123   | 25.00 | ug/L  | 0.00     |
| 28) Chlorobenzene-d5       | 8.90  | 117  | 122147   | 25.00 | ug/L  | 0.00     |
| 60) 1,4-Dichlorobenzene-d4 | 11.30 | 152  | 49611    | 25.00 | ug/L  | 0.00     |

## System Monitoring Compounds

|                                |        |       |          |          |      |         |
|--------------------------------|--------|-------|----------|----------|------|---------|
| 4) Vinyl Chloride-d3           | 1.32   | 65    | 38648    | 22.67    | ug/L | 0.00    |
| Spiked Amount                  | 25.000 | Range | 30 - 150 | Recovery | =    | 90.68%  |
| 7) Chloroethane-d5             | 1.56   | 69    | 40527    | 20.10    | ug/L | 0.00    |
| Spiked Amount                  | 25.000 | Range | 30 - 150 | Recovery | =    | 80.40%  |
| 10) 1,1-Dichloroethene-d2      | 2.12   | 63    | 81094    | 19.35    | ug/L | 0.00    |
| Spiked Amount                  | 25.000 | Range | 45 - 110 | Recovery | =    | 77.40%  |
| 20) 2-Butanone-d5              | 3.93   | 46    | 22103    | 37.05    | ug/L | 0.00    |
| Spiked Amount                  | 50.000 | Range | 20 - 135 | Recovery | =    | 74.10%  |
| 24) Chloroform-d               | 4.40   | 84    | 58367    | 19.62    | ug/L | 0.00    |
| Spiked Amount                  | 25.000 | Range | 40 - 150 | Recovery | =    | 78.48%  |
| 26) 1,2-Dichloroethane-d4      | 5.08   | 65    | 37792    | 23.43    | ug/L | 0.00    |
| Spiked Amount                  | 25.000 | Range | 70 - 130 | Recovery | =    | 93.72%  |
| 29) Benzene-d6                 | 5.10   | 84    | 144403   | 23.57    | ug/L | 0.00    |
| Spiked Amount                  | 25.000 | Range | 20 - 135 | Recovery | =    | 94.28%  |
| 33) 1,2-Dichloropropane-d6     | 6.12   | 67    | 45466    | 25.22    | ug/L | 0.00    |
| Spiked Amount                  | 25.000 | Range | 70 - 120 | Recovery | =    | 100.88% |
| 37) Toluene-d8                 | 7.36   | 98    | 137300   | 23.55    | ug/L | 0.00    |
| Spiked Amount                  | 25.000 | Range | 30 - 130 | Recovery | =    | 94.20%  |
| 38) trans-1,3-Dichloropropene- | 7.66   | 79    | 18918    | 20.43    | ug/L | 0.00    |
| Spiked Amount                  | 25.000 | Range | 30 - 135 | Recovery | =    | 81.72%  |
| 39) 2-Hexanone-d5              | 8.13   | 63    | 19930    | 39.74    | ug/L | 0.00    |
| Spiked Amount                  | 50.000 | Range | 20 - 135 | Recovery | =    | 79.48%  |
| 48) 1,1,2,2-Tetrachloroethane- | 10.26  | 84    | 41482    | 21.04    | ug/L | 0.00    |
| Spiked Amount                  | 25.000 | Range | 45 - 120 | Recovery | =    | 84.16%  |
| 61) 1,2-Dichlorobenzene-d4     | 11.68  | 152   | 45624    | 25.04    | ug/L | 0.00    |
| Spiked Amount                  | 25.000 | Range | 75 - 120 | Recovery | =    | 100.16% |

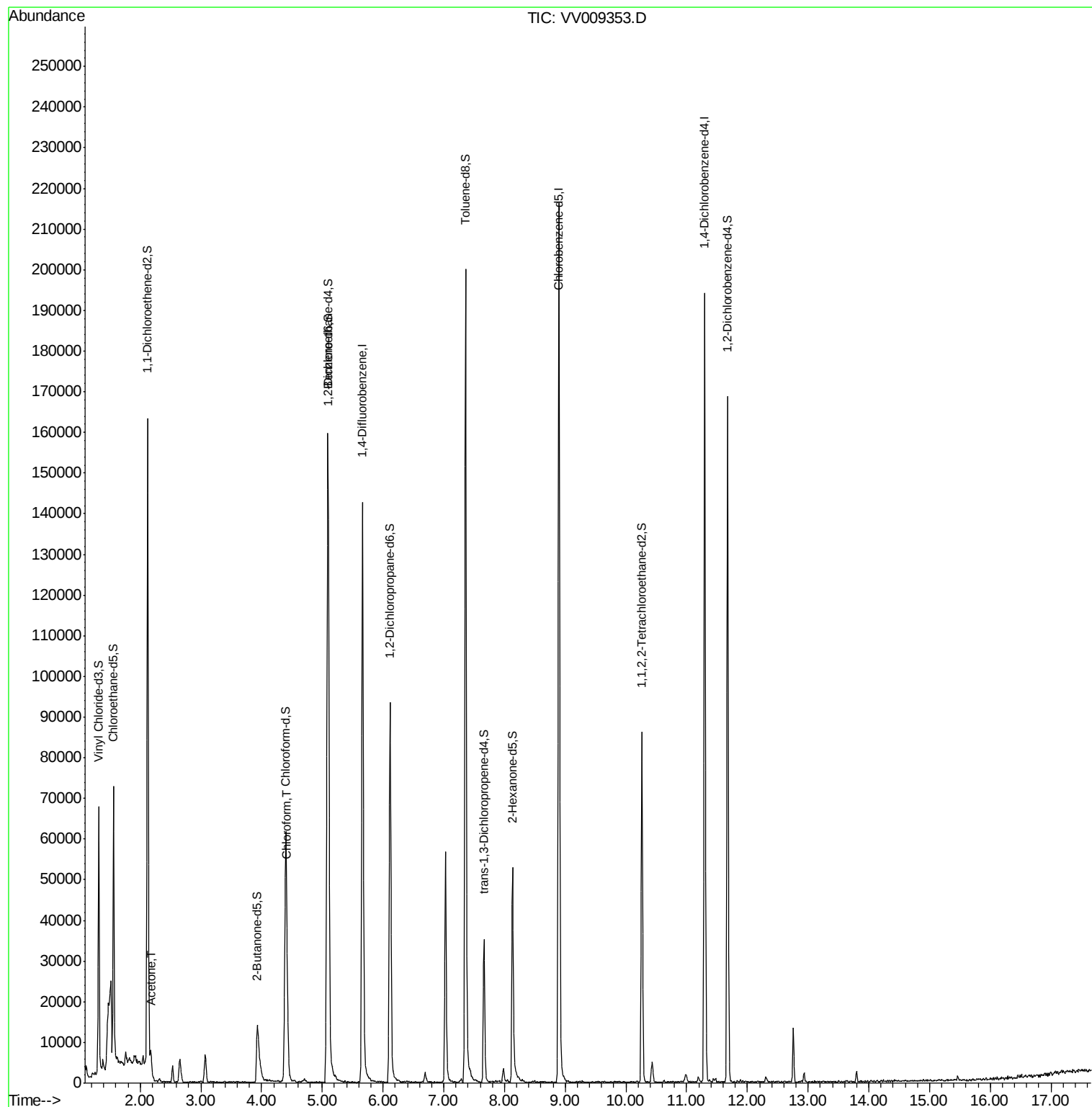
| Target Compounds |      |    |      |            | Ovalue |
|------------------|------|----|------|------------|--------|
| 13) Acetone      | 2.18 | 43 | 2346 | 4.023 ug/L | 91     |
| 25) Chloroform   | 4.42 | 83 | 8832 | 2.951 ug/L | 96     |

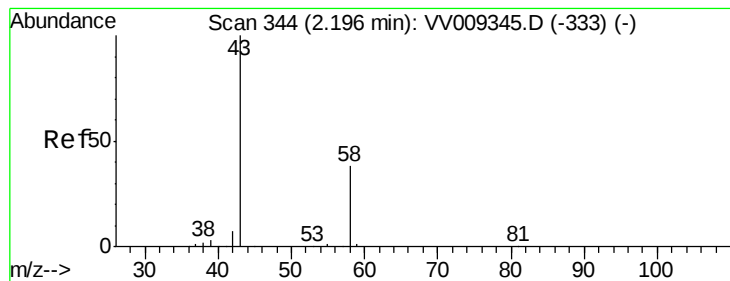
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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QLast Update : Tue Feb 26 02:46:42 2019  
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#13

Acetone

Concen: 4.023 ug/L

RT: 2.18 min Scan# 340

Delta R.T. -0.01 min

Lab File: VV009353.D

Acq: 25 Feb 2019 17:28

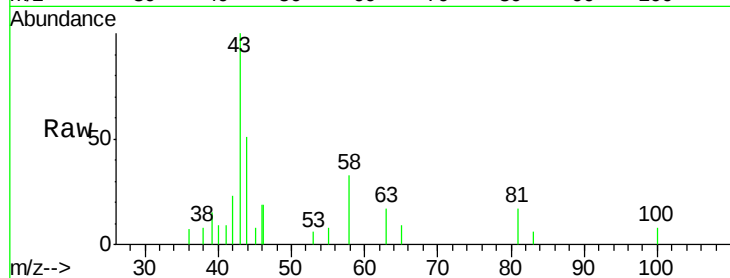
Instrument :  
MSVOA\_V  
ClientSampleId :  
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Tot Ion: 43 Resp: 2346

Ion Ratio Lower Upper

43 100

58 41.2 0.0 72.0



Abundance Ion 43.00 (42.70 to 43.70): VV009353.D (-241) (-)

Ion 58.00 (57.70 to 58.70): VV009353.D (-241) (-)

2000

1500

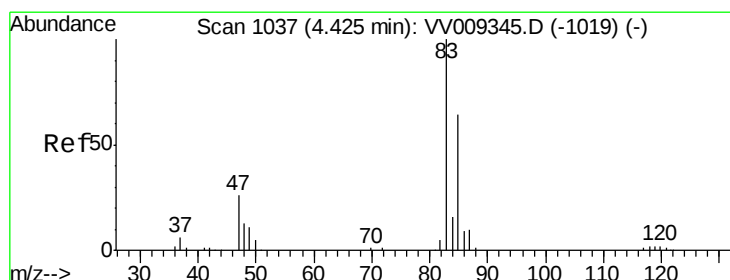
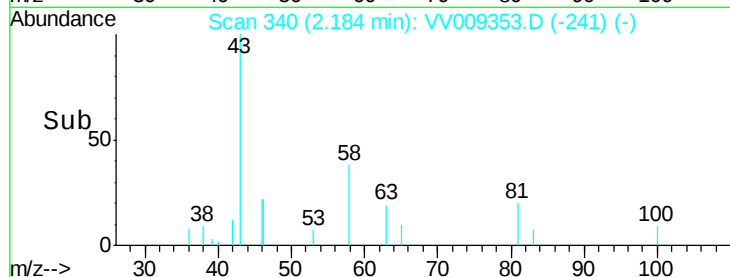
1000

500

0

2.14 2.16 2.18 2.20 2.22

Time-->



#25

Chloroform

Concen: 2.951 ug/L

RT: 4.42 min Scan# 1037

Delta R.T. 0.00 min

Lab File: VV009353.D

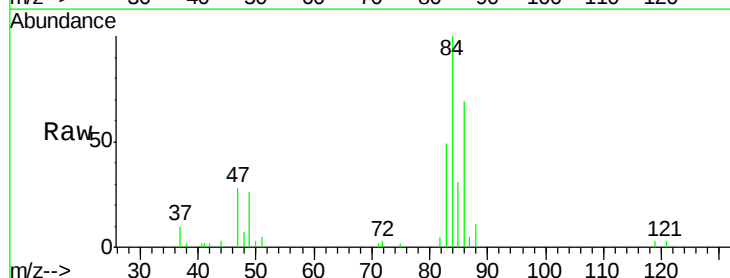
Acq: 25 Feb 2019 17:28

Tgt Ion: 83 Resp: 8832

Ion Ratio Lower Upper

83 100

85 71.4 47.5 88.3



Abundance Ion 83.00 (82.70 to 83.70): VV009353.D (-934) (-)

Ion 85.00 (84.70 to 85.70): VV009353.D (-934) (-)

4000

3000

2000

1000

0

4.35 4.40 4.45 4.50

Time-->

