

Data Path : Z:\VOASRV\HPCHEM1\MSVOA V\DATA\VV092319\  
 Data File : VV012940.D  
 Acq On : 23 Sep 2019 16:53  
 Operator : SY/MD  
 Sample : K4958-04  
 Misc : 3.39G/10ML/MSVOA V/SOIL  
 ALS Vial : 1 Sample Multiplier: 1

Instrument :  
 MSVOA\_V  
 ClientSampleId :  
 ESNY2

Quant Time: Sep 24 07:58:23 2019  
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_V\METHOD\SOM2VLM092319S.M  
 Quant Title : VOC Analysis  
 QLast Update : Tue Sep 24 07:38:53 2019  
 Response via : Initial Calibration

| Internal Standards         | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|----------------------------|-------|------|----------|-------|-------|----------|
| 1) 1,4-Difluorobenzene     | 5.66  | 114  | 657592   | 25.00 | ug/L  | 0.00     |
| 28) Chlorobenzene-d5       | 8.89  | 117  | 477023   | 25.00 | ug/L  | 0.00     |
| 60) 1,4-Dichlorobenzene-d4 | 11.29 | 152  | 117389   | 25.00 | ug/L  | 0.00     |

## System Monitoring Compounds

|                                |        |       |          |          |      |          |
|--------------------------------|--------|-------|----------|----------|------|----------|
| 4) Vinyl Chloride-d3           | 1.32   | 65    | 282864   | 27.72    | ug/L | 0.00     |
| Spiked Amount                  | 25.000 | Range | 30 - 150 | Recovery | =    | 110.88%  |
| 7) Chloroethane-d5             | 1.58   | 69    | 241589   | 29.29    | ug/L | 0.00     |
| Spiked Amount                  | 25.000 | Range | 30 - 150 | Recovery | =    | 117.16%  |
| 10) 1,1-Dichloroethene-d2      | 2.13   | 63    | 367236   | 21.64    | ug/L | 0.00     |
| Spiked Amount                  | 25.000 | Range | 45 - 110 | Recovery | =    | 86.56%   |
| 20) 2-Butanone-d5              | 3.95   | 46    | 122051   | 34.64    | ug/L | 0.00     |
| Spiked Amount                  | 50.000 | Range | 20 - 135 | Recovery | =    | 69.28%   |
| 24) Chloroform-d               | 4.40   | 84    | 497281   | 27.53    | ug/L | 0.00     |
| Spiked Amount                  | 25.000 | Range | 40 - 150 | Recovery | =    | 110.12%  |
| 26) 1,2-Dichloroethane-d4      | 5.08   | 65    | 286990   | 27.33    | ug/L | 0.00     |
| Spiked Amount                  | 25.000 | Range | 70 - 130 | Recovery | =    | 109.32%  |
| 29) Benzene-d6                 | 5.10   | 84    | 1009994  | 37.92    | ug/L | 0.00     |
| Spiked Amount                  | 25.000 | Range | 20 - 135 | Recovery | =    | 151.68%# |
| 33) 1,2-Dichloropropane-d6     | 6.12   | 67    | 324377   | 38.86    | ug/L | 0.00     |
| Spiked Amount                  | 25.000 | Range | 70 - 120 | Recovery | =    | 155.44%# |
| 37) Toluene-d8                 | 7.36   | 98    | 781190   | 32.31    | ug/L | 0.00     |
| Spiked Amount                  | 25.000 | Range | 30 - 130 | Recovery | =    | 129.24%  |
| 38) trans-1,3-Dichloropropene- | 7.66   | 79    | 96775    | 27.38    | ug/L | 0.00     |
| Spiked Amount                  | 25.000 | Range | 30 - 135 | Recovery | =    | 109.52%  |
| 39) 2-Hexanone-d5              | 8.14   | 63    | 76557    | 45.57    | ug/L | 0.00     |
| Spiked Amount                  | 50.000 | Range | 20 - 135 | Recovery | =    | 91.14%   |
| 48) 1,1,2,2-Tetrachloroethane- | 10.26  | 84    | 200313   | 25.26    | ug/L | 0.00     |
| Spiked Amount                  | 25.000 | Range | 45 - 120 | Recovery | =    | 101.04%  |
| 61) 1,2-Dichlorobenzene-d4     | 11.67  | 152   | 127873   | 28.04    | ug/L | 0.00     |
| Spiked Amount                  | 25.000 | Range | 75 - 120 | Recovery | =    | 112.16%  |

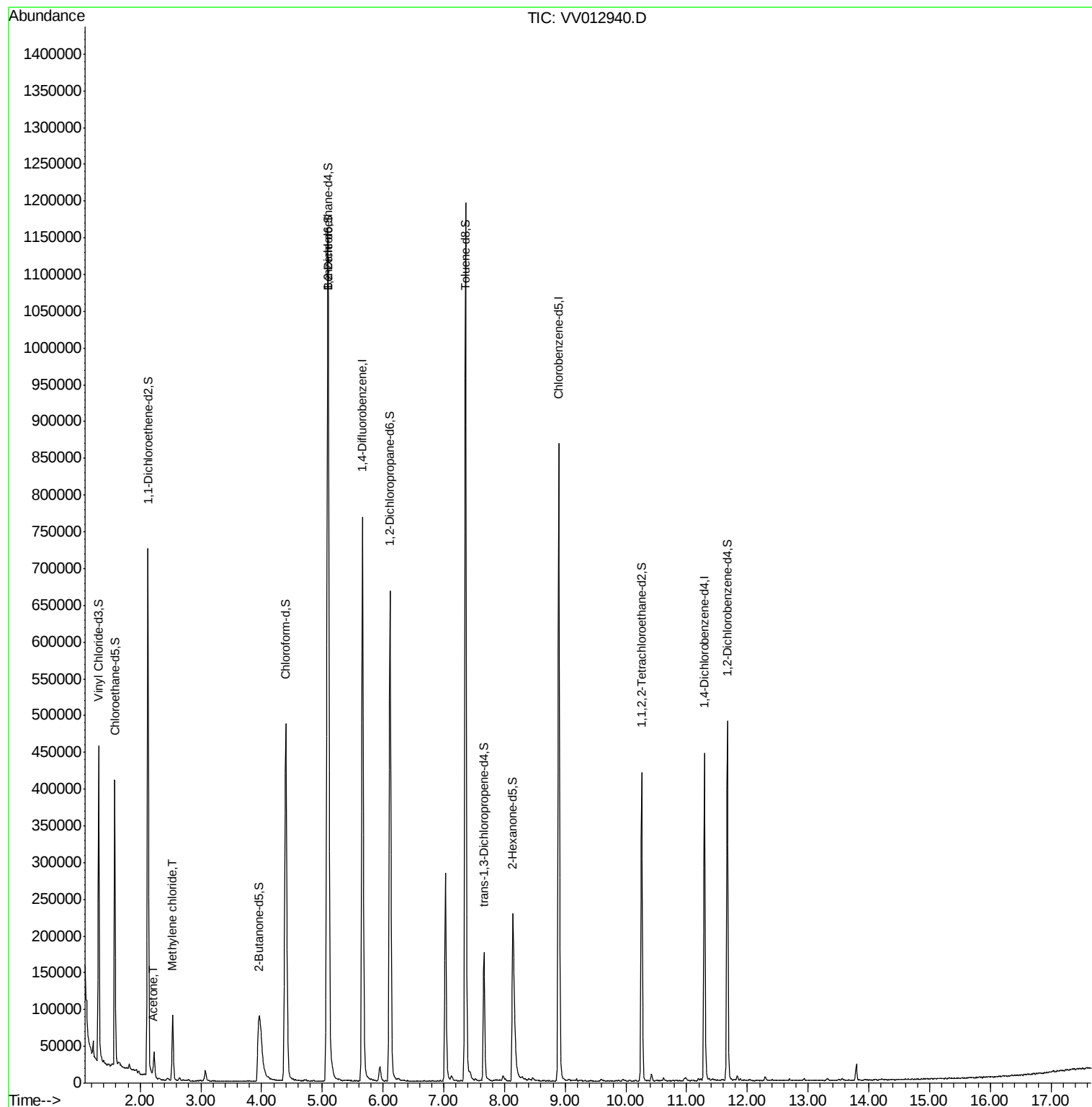
| Target Compounds       |      |    |       |            | Ovalue |
|------------------------|------|----|-------|------------|--------|
| 13) Acetone            | 2.21 | 43 | 7500  | 2.003 ug/L | 94     |
| 16) Methylene chloride | 2.53 | 84 | 35691 | 3.631 ug/L | 98     |

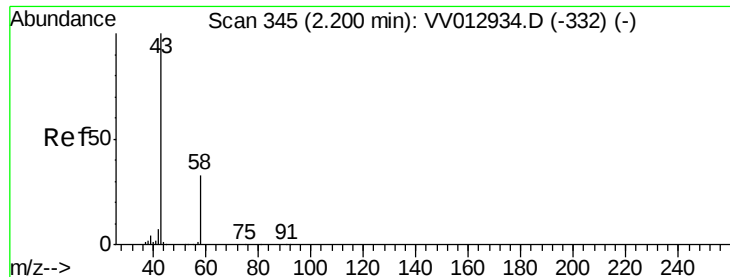
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : VOC Analysis  
QLast Update : Tue Sep 24 07:38:53 2019  
Response via : Initial Calibration





#13

Acetone

Concen: 2.003 ug/L

RT: 2.21 min Scan# 347

Delta R.T. 0.01 min

Lab File: VV012940.D

Acq: 23 Sep 2019 16:53

Instrument :

MSVOA\_V

ClientSampleId :

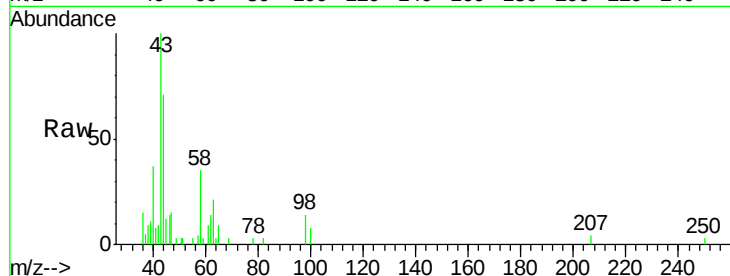
ESNY2

Tot Ion: 43 Resp: 7500

Ion Ratio Lower Upper

43 100

58 36.1 0.0 65.0



Abundance Ion 43.00 (42.70 to 43.70): VV0

Ion 58.00 (57.70 to 58.70): VV0

2.21

4000

3000

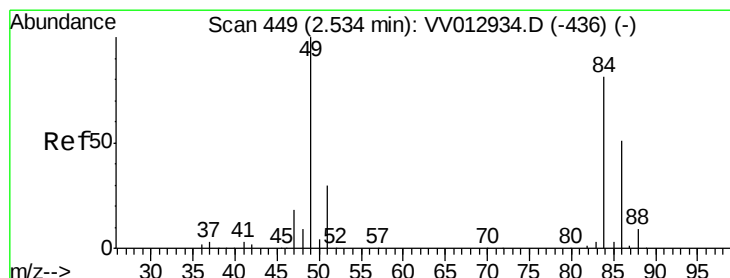
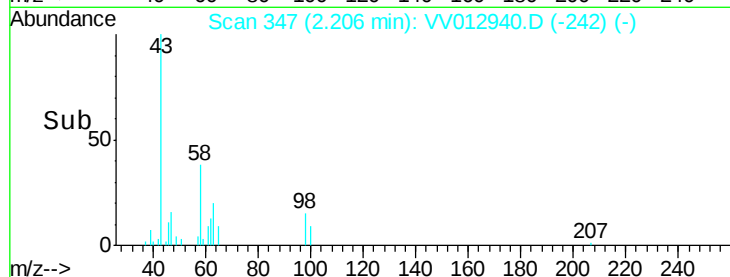
2000

1000

0

2.15 2.20 2.25

Time-->



#16

Methylene chloride

Concen: 3.631 ug/L

RT: 2.53 min Scan# 449

Delta R.T. -0.00 min

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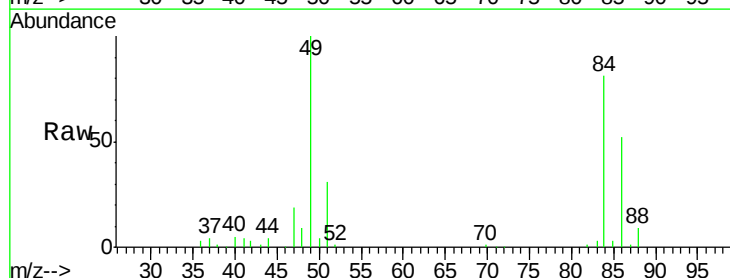
Tgt Ion: 84 Resp: 35691

Ion Ratio Lower Upper

84 100

49 123.7 88.3 164.1

86 64.5 44.9 83.3



Abundance Ion 84.00 (83.70 to 84.70): VV0

Ion 49.00 (48.70 to 49.70): VV0

Ion 86.00 (85.70 to 86.70): VV0

2.53

30000

20000

10000

0

2.50 2.55 2.60

Time-->

