

Data Path : Z:\VOASRV\HPCHEM1\MSVOA V\DATA\VV040219\  
 Data File : VV010083.D  
 Acq On : 03 Apr 2019 02:45  
 Operator : SY/MD  
 Sample : K2148-21  
 Misc : 5.15G/10mL/MSVOA V/SOIL  
 ALS Vial : 1 Sample Multiplier: 1

Instrument :  
 MSVOA\_V  
 ClientSampleId :  
 BF5H1

Manual Integrations  
 APPROVED

MMDadoda  
 4/6/2019 5:02:19 AM

Quant Time: Apr 03 09:01:27 2019  
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_V\METHOD\SOM2VLM040219S.M  
 Quant Title : VOC Analysis  
 QLast Update : Wed Apr 03 06:44:57 2019  
 Response via : Initial Calibration

| Internal Standards             | R.T.           | QIon | Response   | Conc     | Units | Dev(Min) |
|--------------------------------|----------------|------|------------|----------|-------|----------|
| 1) 1,4-Difluorobenzene         | 5.66           | 114  | 193732     | 25.00    | ug/L  | 0.00     |
| 28) Chlorobenzene-d5           | 8.89           | 117  | 164115     | 25.00    | ug/L  | 0.00     |
| 60) 1,4-Dichlorobenzene-d4     | 11.30          | 152  | 47483      | 25.00    | ug/L  | 0.00     |
| System Monitoring Compounds    |                |      |            |          |       |          |
| 4) Vinyl Chloride-d3           | 1.31           | 65   | 38107      | 14.69    | ug/L  | 0.00     |
| Spiked Amount 25.000           | Range 30 - 150 |      | Recovery = | 58.76%   |       |          |
| 7) Chloroethane-d5             | 1.57           | 69   | 82190      | 25.51    | ug/L  | 0.00     |
| Spiked Amount 25.000           | Range 30 - 150 |      | Recovery = | 102.04%  |       |          |
| 10) 1,1-Dichloroethene-d2      | 2.12           | 63   | 59377      | 9.08     | ug/L  | -0.01    |
| Spiked Amount 25.000           | Range 45 - 110 |      | Recovery = | 36.32%#  |       |          |
| 20) 2-Butanone-d5              | 3.95           | 46   | 10570m     | 14.32    | ug/L  | 0.00     |
| Spiked Amount 50.000           | Range 20 - 135 |      | Recovery = | 28.64%   |       |          |
| 24) Chloroform-d               | 4.40           | 84   | 129717     | 26.58    | ug/L  | 0.00     |
| Spiked Amount 25.000           | Range 40 - 150 |      | Recovery = | 106.32%  |       |          |
| 26) 1,2-Dichloroethane-d4      | 5.08           | 65   | 81431      | 29.82    | ug/L  | 0.00     |
| Spiked Amount 25.000           | Range 70 - 130 |      | Recovery = | 119.28%  |       |          |
| 29) Benzene-d6                 | 5.09           | 84   | 253405     | 29.77    | ug/L  | 0.00     |
| Spiked Amount 25.000           | Range 20 - 135 |      | Recovery = | 119.08%  |       |          |
| 33) 1,2-Dichloropropane-d6     | 6.11           | 67   | 79856      | 31.79    | ug/L  | 0.00     |
| Spiked Amount 25.000           | Range 70 - 120 |      | Recovery = | 127.16%# |       |          |
| 37) Toluene-d8                 | 7.36           | 98   | 206338     | 25.16    | ug/L  | 0.00     |
| Spiked Amount 25.000           | Range 30 - 130 |      | Recovery = | 100.64%  |       |          |
| 38) trans-1,3-Dichloropropene- | 7.66           | 79   | 19239      | 17.92    | ug/L  | 0.00     |
| Spiked Amount 25.000           | Range 30 - 135 |      | Recovery = | 71.68%   |       |          |
| 39) 2-Hexanone-d5              | 8.14           | 63   | 7610       | 15.11    | ug/L  | 0.00     |
| Spiked Amount 50.000           | Range 20 - 135 |      | Recovery = | 30.22%   |       |          |
| 48) 1,1,2,2-Tetrachloroethane- | 10.26          | 84   | 58170      | 23.48    | ug/L  | 0.00     |
| Spiked Amount 25.000           | Range 45 - 120 |      | Recovery = | 93.92%   |       |          |
| 61) 1,2-Dichlorobenzene-d4     | 11.67          | 152  | 47628      | 25.75    | ug/L  | 0.00     |
| Spiked Amount 25.000           | Range 75 - 120 |      | Recovery = | 103.00%  |       |          |
| Target Compounds               |                |      |            |          |       |          |
| 13) Acetone                    | 2.19           | 43   | 2911       | 3.989    | ug/L  | 61       |
| 16) Methylene chloride         | 2.53           | 84   | 14047      | 4.127    | ug/L  | 92       |

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

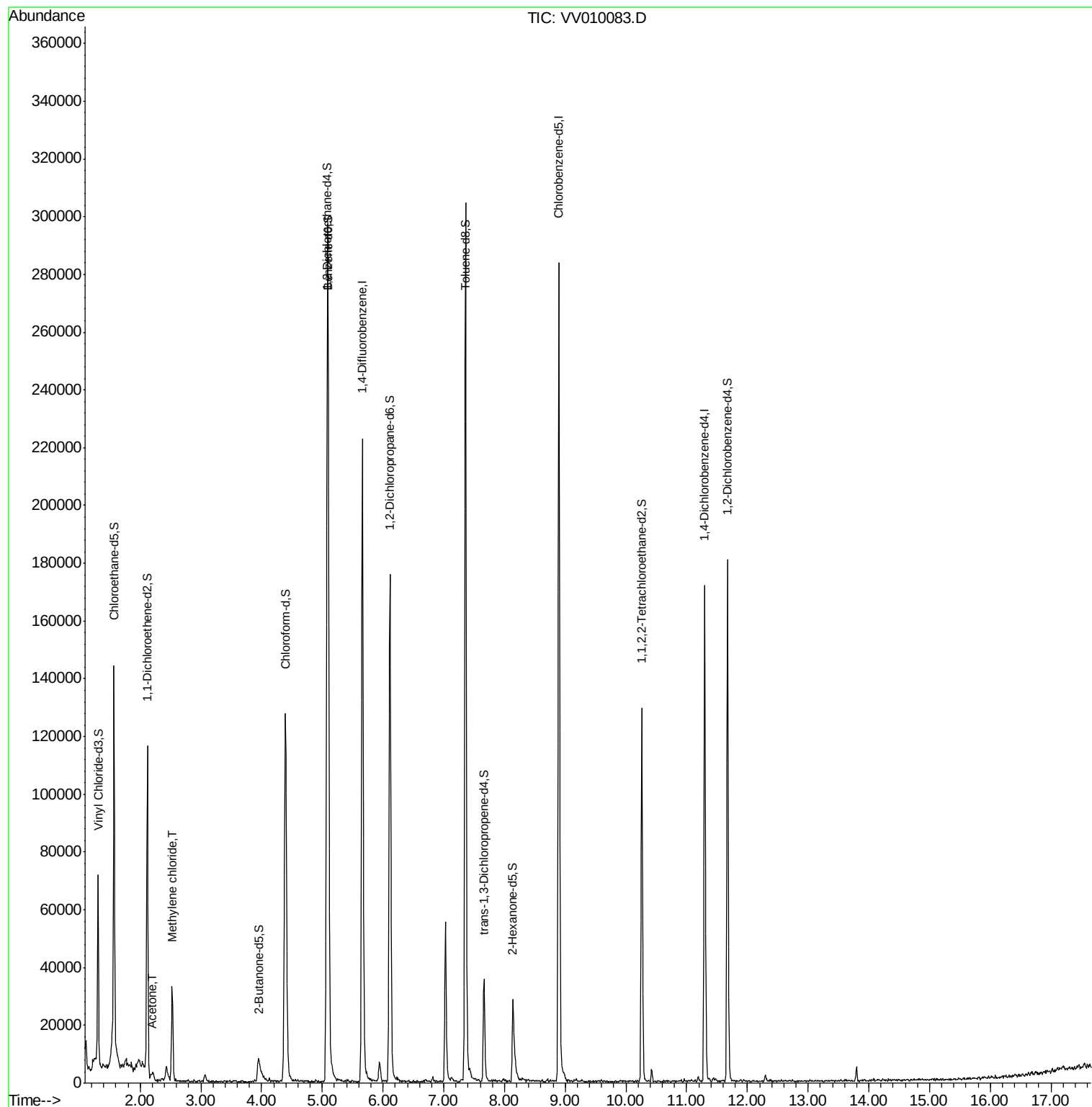
Data Path : Z:\V0ASRV\HPCHEM1\MSVOA V\DATA\VV040219\  
Data File : VV010083.D  
Acq On : 03 Apr 2019 02:45  
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ALS Vial : 1 Sample Multiplier: 1

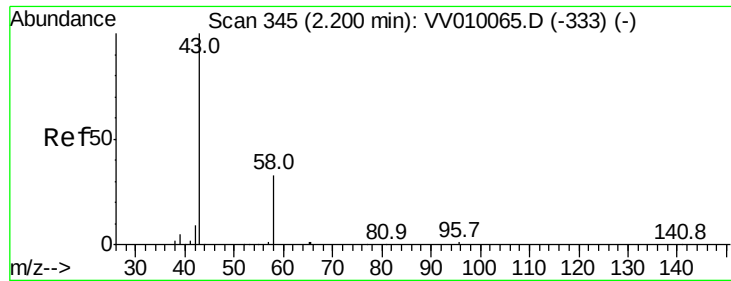
Instrument :  
MSVOA\_V  
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Quant Time: Apr 03 09:01:27 2019  
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA\_V\METHOD\SOM2VLM040219S.M  
Quant Title : VOC Analysis  
QLast Update : Wed Apr 03 06:44:57 2019  
Response via : Initial Calibration





#13

Acetone

Concen: 3.989 ug/L

RT: 2.19 min Scan# 343

Delta R.T. -0.01 min

Lab File: VV010083.D

Acq: 03 Apr 2019 02:45

Instrument :

MSVOA\_V

ClientSampled :

BF5H1

Tot Ion: 43 Resp: 2911

Ion Ratio Lower Upper

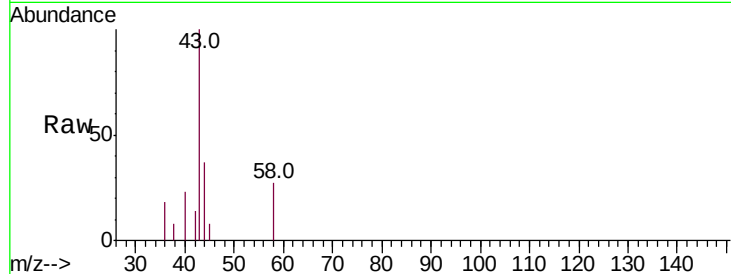
43 100

58 10.2 0.0 64.6

Manual Integrations  
APPROVED

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4/6/2019 5:02:19 AM



Abundance Ion 43.00 (42.70 to 43.70): VV010065.D (-333) (-)

Ion 58.00 (57.70 to 58.70): VV010065.D (-333) (-)

1500

1000

500

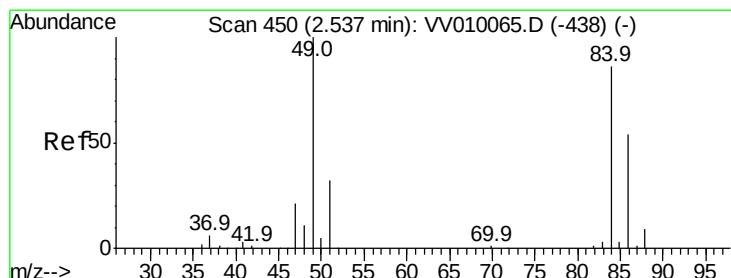
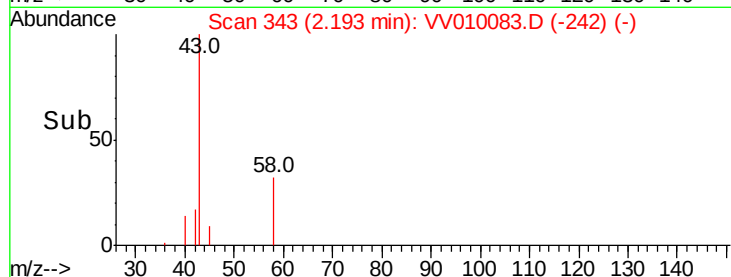
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Time-->

2.15

2.20

2.25



#16

Methylene chloride

Concen: 4.127 ug/L

RT: 2.53 min Scan# 447

Delta R.T. -0.01 min

Lab File: VV010083.D

Acq: 03 Apr 2019 02:45

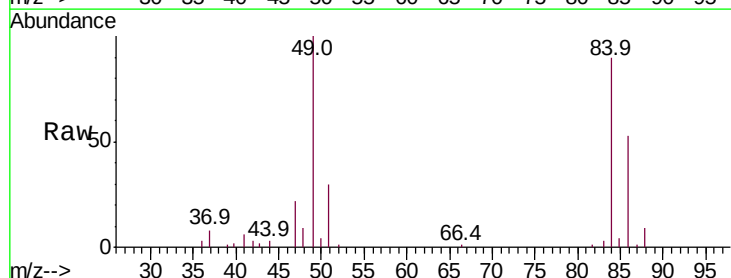
Tgt Ion: 84 Resp: 14047

Ion Ratio Lower Upper

84 100

49 110.9 84.3 156.5

86 58.3 45.4 84.2



Abundance Ion 84.00 (83.70 to 84.70): VV010083.D (-347) (-)

Ion 49.00 (48.70 to 49.70): VV010083.D (-347) (-)

Ion 86.00 (85.70 to 86.70): VV010083.D (-347) (-)

12000

10000

8000

6000

4000

2000

0

Time-->

2.50

2.55

2.60

