

Data Path : Z:\VOASRV\HPCHEM1\MSVOA V\DATA\VV031319\  
 Data File : VV009655.D  
 Acq On : 14 Mar 2019 00:01  
 Operator : SY/MD  
 Sample : K1794-18  
 Misc : 5.14G/10ML/MSVOA V/SOIL  
 ALS Vial : 1 Sample Multiplier: 1

Instrument :  
 MSVOA\_V  
 ClientSampleId :  
 BF5P5

Quant Time: Mar 14 08:38:51 2019  
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_V\METHOD\SOM2VLM031319S.M  
 Quant Title : VOC Analysis  
 QLast Update : Thu Mar 14 07:37:27 2019  
 Response via : Initial Calibration

| Internal Standards         | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|----------------------------|-------|------|----------|-------|-------|----------|
| 1) 1,4-Difluorobenzene     | 5.66  | 114  | 70190    | 25.00 | ug/L  | 0.00     |
| 28) Chlorobenzene-d5       | 8.90  | 117  | 57203    | 25.00 | ug/L  | 0.00     |
| 60) 1,4-Dichlorobenzene-d4 | 11.30 | 152  | 14223    | 25.00 | ug/L  | 0.00     |

## System Monitoring Compounds

|                                |        |       |          |          |      |          |
|--------------------------------|--------|-------|----------|----------|------|----------|
| 4) Vinyl Chloride-d3           | 1.32   | 65    | 7974     | 8.88     | ug/L | 0.00     |
| Spiked Amount                  | 25.000 | Range | 30 - 150 | Recovery | =    | 35.52%   |
| 7) Chloroethane-d5             | 1.58   | 69    | 29964    | 27.06    | ug/L | 0.01     |
| Spiked Amount                  | 25.000 | Range | 30 - 150 | Recovery | =    | 108.24%  |
| 10) 1,1-Dichloroethene-d2      | 2.13   | 63    | 24395    | 10.05    | ug/L | 0.00     |
| Spiked Amount                  | 25.000 | Range | 45 - 110 | Recovery | =    | 40.20%#  |
| 20) 2-Butanone-d5              | 0.00   | 46    | 0d       | 0.00     | ug/L |          |
| Spiked Amount                  | 50.000 | Range | 20 - 135 | Recovery | =    | 0.00%#   |
| 24) Chloroform-d               | 4.40   | 84    | 56073    | 31.34    | ug/L | 0.00     |
| Spiked Amount                  | 25.000 | Range | 40 - 150 | Recovery | =    | 125.36%  |
| 26) 1,2-Dichloroethane-d4      | 5.08   | 65    | 37949    | 37.48    | ug/L | 0.00     |
| Spiked Amount                  | 25.000 | Range | 70 - 130 | Recovery | =    | 149.92%# |
| 29) Benzene-d6                 | 5.10   | 84    | 91246    | 30.41    | ug/L | 0.00     |
| Spiked Amount                  | 25.000 | Range | 20 - 135 | Recovery | =    | 121.64%  |
| 33) 1,2-Dichloropropane-d6     | 6.12   | 67    | 36793    | 41.96    | ug/L | 0.00     |
| Spiked Amount                  | 25.000 | Range | 70 - 120 | Recovery | =    | 167.84%# |
| 37) Toluene-d8                 | 7.36   | 98    | 71249    | 24.54    | ug/L | 0.00     |
| Spiked Amount                  | 25.000 | Range | 30 - 130 | Recovery | =    | 98.16%   |
| 38) trans-1,3-Dichloropropene- | 7.67   | 79    | 1585     | 3.93     | ug/L | 0.00     |
| Spiked Amount                  | 25.000 | Range | 30 - 135 | Recovery | =    | 15.72%#  |
| 39) 2-Hexanone-d5              | 0.00   | 63    | 0        | 0.00     | ug/L |          |
| Spiked Amount                  | 50.000 | Range | 20 - 135 | Recovery | =    | 0.00%#   |
| 48) 1,1,2,2-Tetrachloroethane- | 10.26  | 84    | 30060    | 36.21    | ug/L | 0.00     |
| Spiked Amount                  | 25.000 | Range | 45 - 120 | Recovery | =    | 144.84%# |
| 61) 1,2-Dichlorobenzene-d4     | 11.68  | 152   | 15285    | 27.74    | ug/L | 0.00     |
| Spiked Amount                  | 25.000 | Range | 75 - 120 | Recovery | =    | 110.96%  |

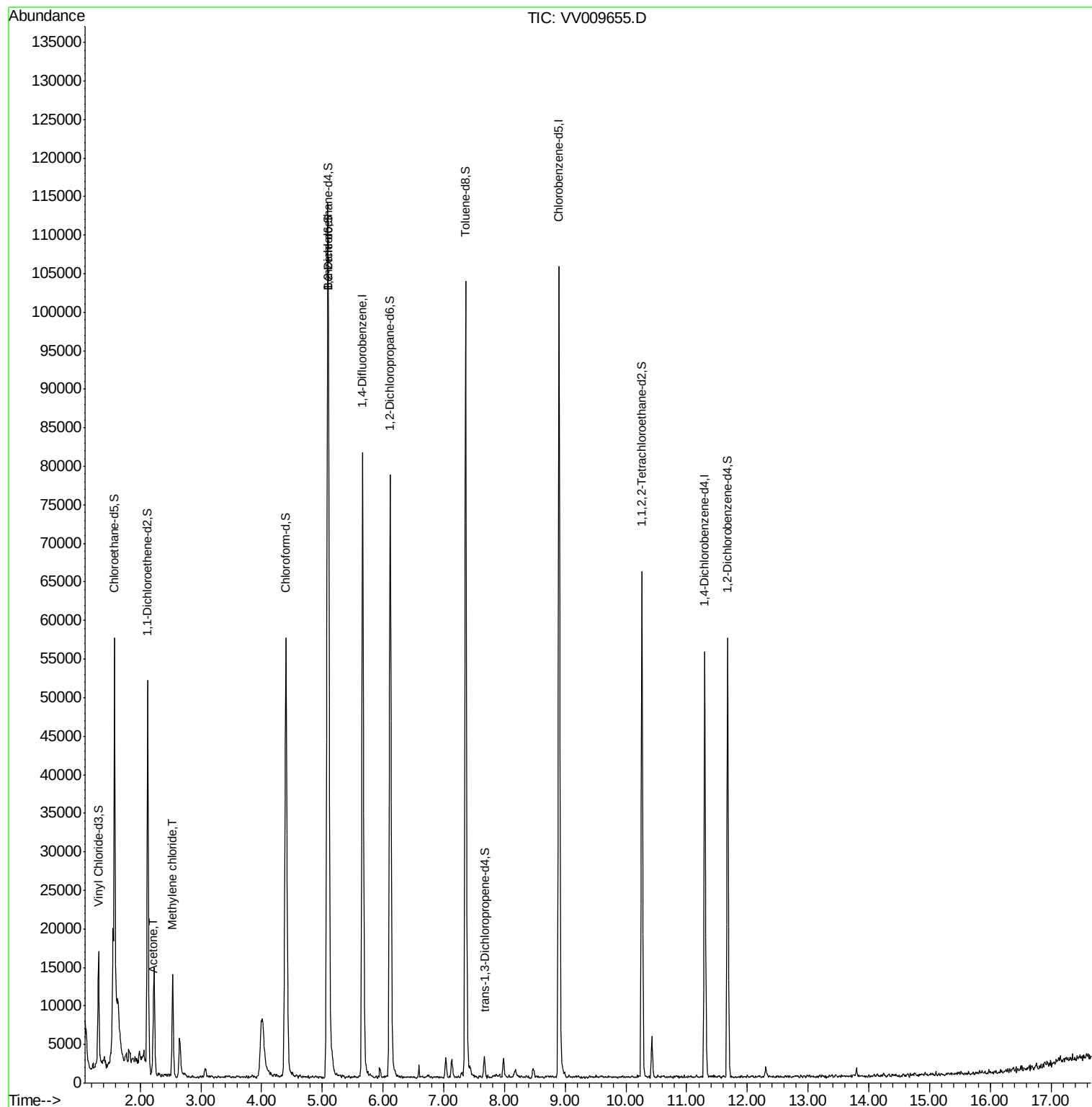
| Target Compounds       |      |    |      |             | Ovalue |
|------------------------|------|----|------|-------------|--------|
| 13) Acetone            | 2.21 | 43 | 2969 | 10.476 ug/L | 78     |
| 16) Methylene chloride | 2.53 | 84 | 5454 | 5.338 ug/L  | 95     |

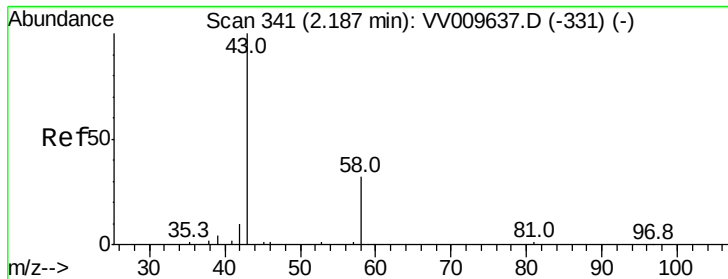
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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QLast Update : Thu Mar 14 07:37:27 2019  
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#13

Acetone

Concen: 10.476 ug/L

RT: 2.21 min Scan# 347

Delta R.T. 0.02 min

Lab File: VV009655.D

Acq: 14 Mar 2019 00:01

Instrument :

MSVOA\_V

ClientSampleId :

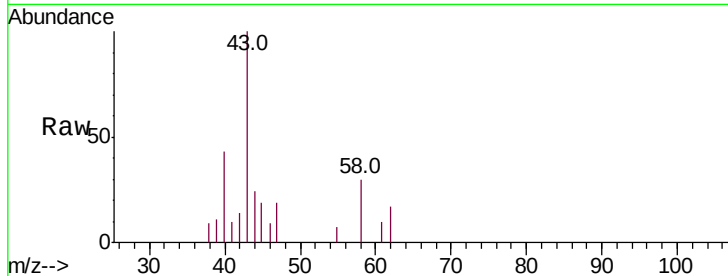
BF5P5

Tot Ion: 43 Resp: 2969

Ion Ratio Lower Upper

43 100

58 19.8 0.0 64.8



Abundance Ion 43.00 (42.70 to 43.70): VV009637.D (-331) (-)

Ion 58.00 (57.70 to 58.70): VV009637.D (-331) (-)

2.21

1500

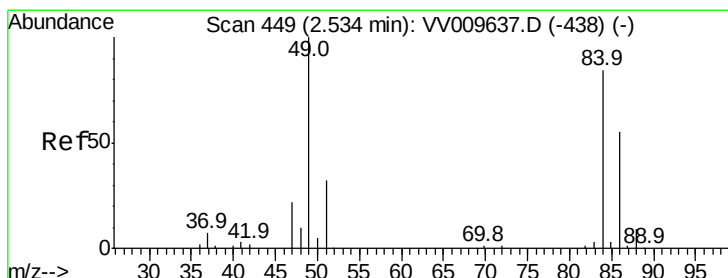
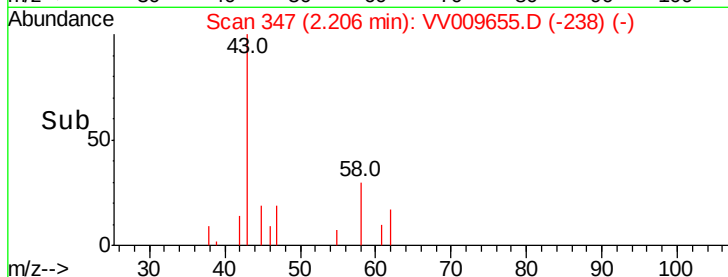
1000

500

0

2.15 2.20 2.25

Time-->



#16

Methylene chloride

Concen: 5.338 ug/L

RT: 2.53 min Scan# 449

Delta R.T. 0.00 min

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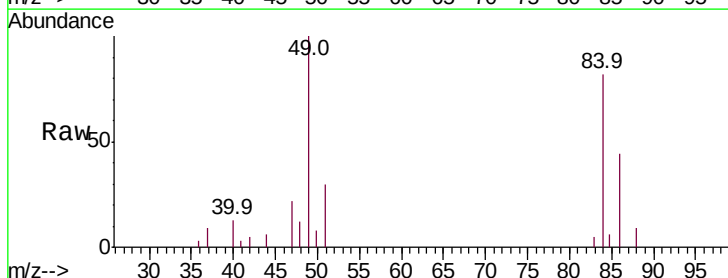
Tgt Ion: 84 Resp: 5454

Ion Ratio Lower Upper

84 100

49 122.3 86.1 159.9

86 53.6 45.2 84.0



Abundance Ion 84.00 (83.70 to 84.70): VV009637.D (-438) (-)

Ion 49.00 (48.70 to 49.70): VV009637.D (-438) (-)

Ion 86.00 (85.70 to 86.70): VV009637.D (-438) (-)

5000

4000

3000

2000

1000

0

2.50 2.55 2.60

Time-->

