

Data Path : Z:\VOASRV\HPCHEM1\MSVOA\_V\DATA\VV040519\  
 Data File : VV010129.D  
 Acq On : 05 Apr 2019 14:02  
 Operator : SY/MD  
 Sample : VIBLK  
 Misc : 5.00G/10mL/MSVOA\_V/SOIL  
 ALS Vial : 1 Sample Multiplier: 1

Instrument :  
 MSVOA\_V  
 ClientSampleId :  
 VIBLK

Quant Time: Apr 05 23:49:27 2019  
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_V\METHOD\SOM2VLM040219S.M  
 Quant Title : VOC Analysis  
 QLast Update : Fri Apr 05 23:46:15 2019  
 Response via : Initial Calibration

| Internal Standards         | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|----------------------------|-------|------|----------|-------|-------|----------|
| 1) 1,4-Difluorobenzene     | 5.66  | 114  | 266848   | 25.00 | ug/L  | 0.00     |
| 28) Chlorobenzene-d5       | 8.90  | 117  | 265771   | 25.00 | ug/L  | 0.00     |
| 60) 1,4-Dichlorobenzene-d4 | 11.30 | 152  | 126172   | 25.00 | ug/L  | 0.00     |

## System Monitoring Compounds

|                                |        |       |          |          |      |        |
|--------------------------------|--------|-------|----------|----------|------|--------|
| 4) Vinyl Chloride-d3           | 1.32   | 65    | 58414    | 16.35    | ug/L | 0.00   |
| Spiked Amount                  | 25.000 | Range | 30 - 150 | Recovery | =    | 65.40% |
| 7) Chloroethane-d5             | 1.57   | 69    | 54160    | 12.21    | ug/L | 0.00   |
| Spiked Amount                  | 25.000 | Range | 30 - 150 | Recovery | =    | 48.84% |
| 10) 1,1-Dichloroethene-d2      | 2.13   | 63    | 105604   | 11.72    | ug/L | 0.00   |
| Spiked Amount                  | 25.000 | Range | 45 - 110 | Recovery | =    | 46.88% |
| 20) 2-Butanone-d5              | 3.93   | 46    | 44882    | 44.15    | ug/L | 0.00   |
| Spiked Amount                  | 50.000 | Range | 20 - 135 | Recovery | =    | 88.30% |
| 24) Chloroform-d               | 4.40   | 84    | 142105   | 21.14    | ug/L | 0.00   |
| Spiked Amount                  | 25.000 | Range | 40 - 150 | Recovery | =    | 84.56% |
| 26) 1,2-Dichloroethane-d4      | 5.08   | 65    | 87621    | 23.30    | ug/L | 0.00   |
| Spiked Amount                  | 25.000 | Range | 70 - 130 | Recovery | =    | 93.20% |
| 29) Benzene-d6                 | 5.10   | 84    | 285767   | 20.73    | ug/L | 0.00   |
| Spiked Amount                  | 25.000 | Range | 20 - 135 | Recovery | =    | 82.92% |
| 33) 1,2-Dichloropropane-d6     | 6.12   | 67    | 88257    | 21.70    | ug/L | 0.00   |
| Spiked Amount                  | 25.000 | Range | 70 - 120 | Recovery | =    | 86.80% |
| 37) Toluene-d8                 | 7.36   | 98    | 270720   | 20.39    | ug/L | 0.00   |
| Spiked Amount                  | 25.000 | Range | 30 - 130 | Recovery | =    | 81.56% |
| 38) trans-1,3-Dichloropropene- | 7.66   | 79    | 33802    | 19.44    | ug/L | 0.00   |
| Spiked Amount                  | 25.000 | Range | 30 - 135 | Recovery | =    | 77.76% |
| 39) 2-Hexanone-d5              | 8.13   | 63    | 31725    | 38.89    | ug/L | 0.00   |
| Spiked Amount                  | 50.000 | Range | 20 - 135 | Recovery | =    | 77.78% |
| 48) 1,1,2,2-Tetrachloroethane- | 10.26  | 84    | 86144    | 21.47    | ug/L | 0.00   |
| Spiked Amount                  | 25.000 | Range | 45 - 120 | Recovery | =    | 85.88% |
| 61) 1,2-Dichlorobenzene-d4     | 11.67  | 152   | 109776   | 22.34    | ug/L | 0.00   |
| Spiked Amount                  | 25.000 | Range | 75 - 120 | Recovery | =    | 89.36% |

## Target Compounds

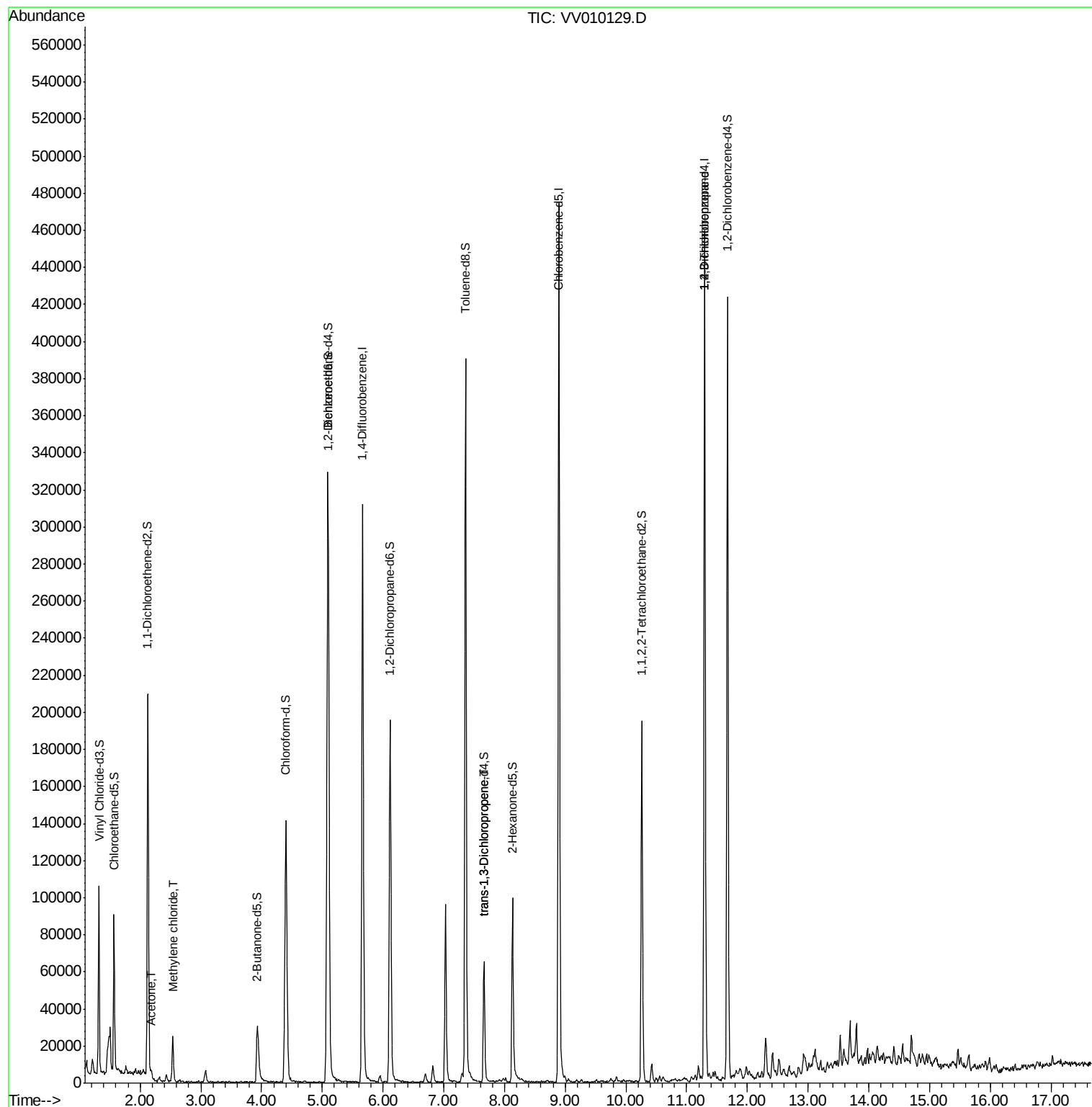
|                               |       |    |       |            | Qvalue |
|-------------------------------|-------|----|-------|------------|--------|
| 13) Acetone                   | 2.19  | 43 | 1807  | 1.798 ug/L | 90     |
| 16) Methylene chloride        | 2.54  | 84 | 9907  | 2.113 ug/L | 93     |
| 45) trans-1,3-Dichloropropene | 7.67  | 75 | 2248  | 0.556 ug/L | 99     |
| 59) 1,2,3-Trichloropropane    | 11.30 | 75 | 15383 | 5.736 ug/L | 92     |

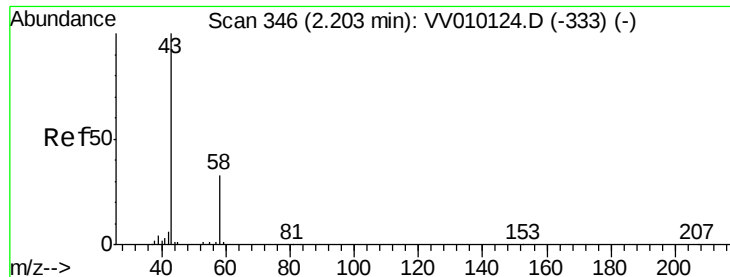
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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VIBLK

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Quant Title : VOC Analysis  
QLast Update : Fri Apr 05 23:46:15 2019  
Response via : Initial Calibration





#13

Acetone

Concen: 1.798 ug/L

RT: 2.19 min Scan# 342

Delta R.T. -0.01 min

Lab File: VV010129.D

Acq: 05 Apr 2019 14:02

Instrument :

MSVOA\_V

ClientSampleId :

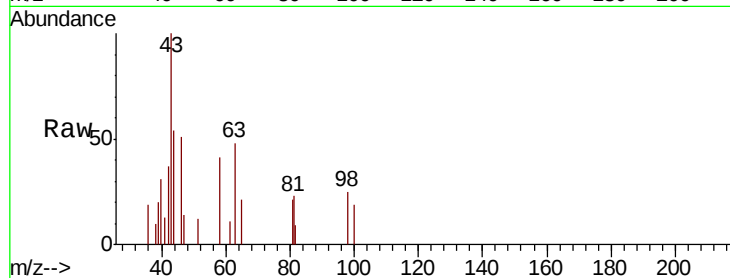
VIBLK

Tgt Ion: 43 Resp: 1807

Ion Ratio Lower Upper

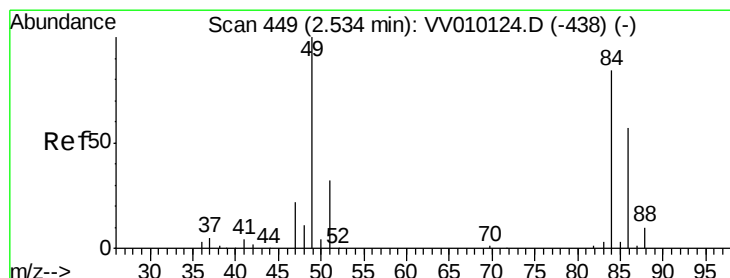
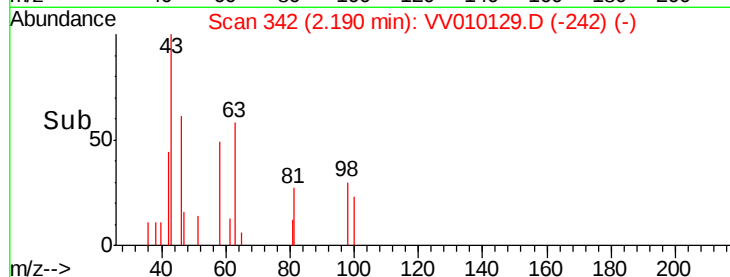
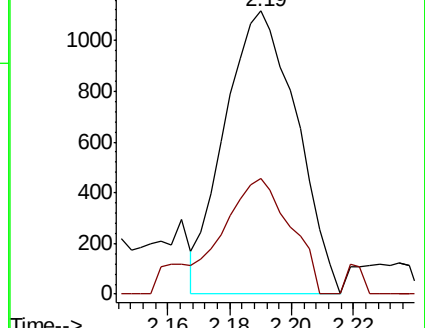
43 100

58 37.6 0.0 64.6



Abundance Ion 43.00 (42.70 to 43.70): VV010129.D (-342) (-)

Ion 58.00 (57.70 to 58.70): VV010129.D (-342) (-)



#16

Methylene chloride

Concen: 2.113 ug/L

RT: 2.54 min Scan# 450

Delta R.T. -0.00 min

Lab File: VV010129.D

Acq: 05 Apr 2019 14:02

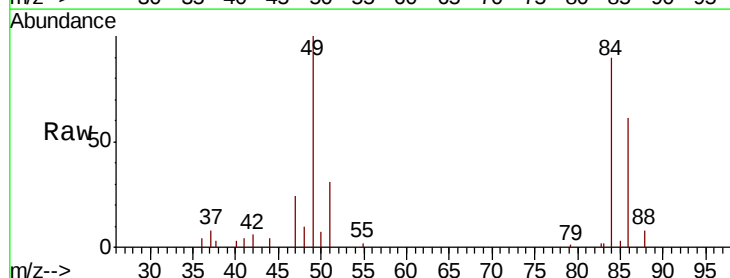
Tgt Ion: 84 Resp: 9907

Ion Ratio Lower Upper

84 100

49 111.3 84.3 156.5

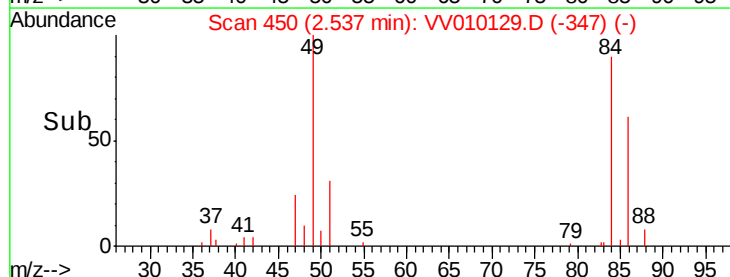
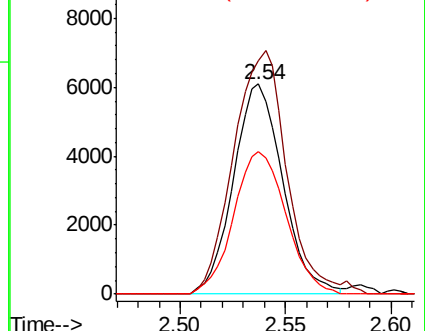
86 67.7 45.4 84.2

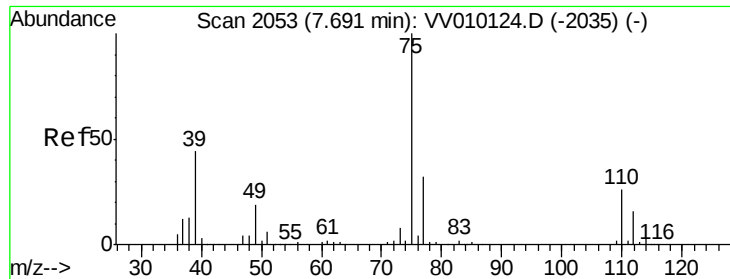


Abundance Ion 84.00 (83.70 to 84.70): VV010129.D (-347) (-)

Ion 49.00 (48.70 to 49.70): VV010129.D (-347) (-)

Ion 86.00 (85.70 to 86.70): VV010129.D (-347) (-)





#45

trans-1,3-Dichloropropene

Concen: 0.556 ug/L

RT: 7.67 min Scan# 2045

Delta R.T. -0.03 min

Lab File: VV010129.D

Acq: 05 Apr 2019 14:02

Instrument :

MSVOA\_V

ClientSampled :

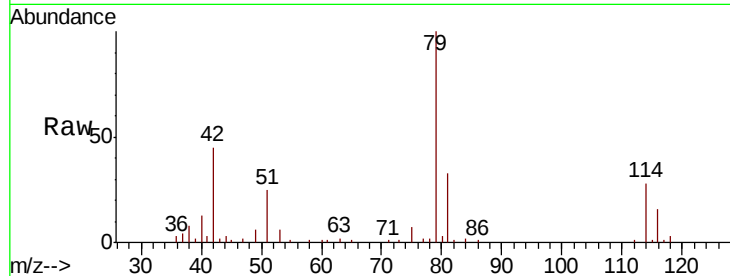
VIBLK

Tgt Ion: 75 Resp: 2248

Ion Ratio Lower Upper

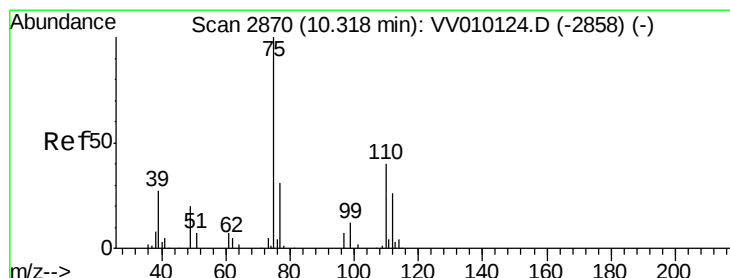
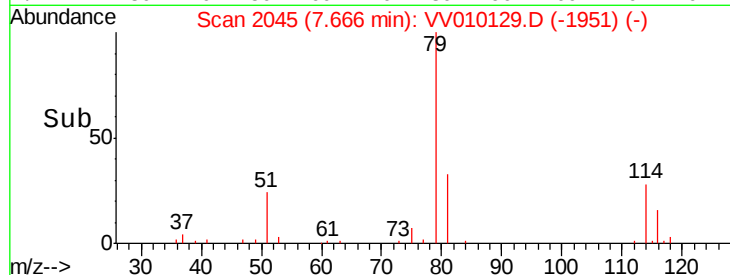
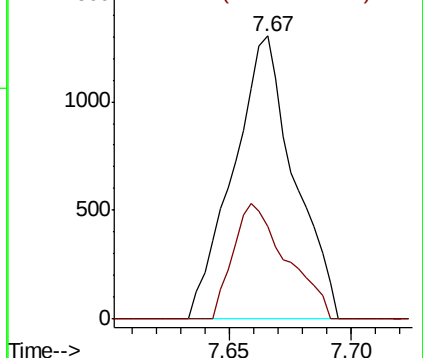
75 100

77 32.9 23.5 43.7



Abundance Ion 75.00 (74.70 to 75.70): VV0

Ion 77.00 (76.70 to 77.70): VV0



#59

1,2,3-Trichloropropane

Concen: 5.736 ug/L

RT: 11.30 min Scan# 3174

Delta R.T. 0.98 min

Lab File: VV010129.D

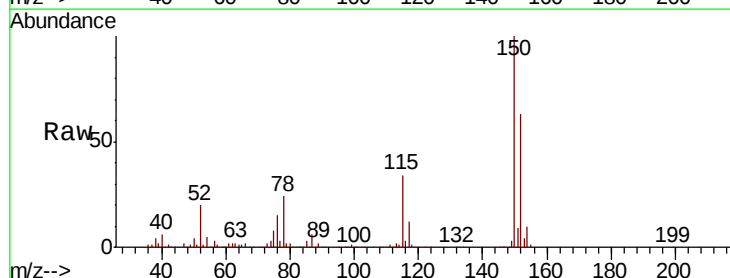
Acq: 05 Apr 2019 14:02

Tgt Ion: 75 Resp: 15383

Ion Ratio Lower Upper

75 100

77 36.7 25.8 38.8



Abundance Ion 75.00 (74.70 to 75.70): VV0

Ion 77.00 (76.70 to 77.70): VV0

