

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW040119\  
 Data File : VW009635.D  
 Acq On : 01 Apr 2019 20:38  
 Operator : SY/VA  
 Sample : K2119-06  
 Misc : 5.08G/10ML/MSVOA W/SOIL  
 ALS Vial : 1 Sample Multiplier: 1

Instrument :  
 MSVOA\_W  
 ClientSampleId :  
 BF5A3

Quant Time: Apr 02 02:47:26 2019  
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_W\METHOD\SOM2WLM031419S.M  
 Quant Title : VOC Analysis  
 QLast Update : Tue Apr 02 01:34:09 2019  
 Response via : Initial Calibration

| Internal Standards         | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|----------------------------|-------|------|----------|-------|-------|----------|
| 1) 1,4-Difluorobenzene     | 8.84  | 114  | 466753   | 25.00 | ug/L  | 0.00     |
| 28) Chlorobenzene-d5       | 11.63 | 117  | 454759   | 25.00 | ug/L  | 0.00     |
| 60) 1,4-Dichlorobenzene-d4 | 13.56 | 152  | 204762   | 25.00 | ug/L  | 0.00     |

## System Monitoring Compounds

|                                |        |       |          |          |      |        |
|--------------------------------|--------|-------|----------|----------|------|--------|
| 4) Vinyl Chloride-d3           | 2.35   | 65    | 121031   | 21.70    | ug/L | 0.00   |
| Spiked Amount                  | 25.000 | Range | 30 - 150 | Recovery | =    | 86.80% |
| 7) Chloroethane-d5             | 2.89   | 69    | 118526   | 18.16    | ug/L | 0.00   |
| Spiked Amount                  | 25.000 | Range | 30 - 150 | Recovery | =    | 72.64% |
| 10) 1,1-Dichloroethene-d2      | 4.01   | 63    | 194464   | 16.13    | ug/L | 0.00   |
| Spiked Amount                  | 25.000 | Range | 45 - 110 | Recovery | =    | 64.52% |
| 20) 2-Butanone-d5              | 7.08   | 46    | 88485    | 38.36    | ug/L | 0.00   |
| Spiked Amount                  | 50.000 | Range | 20 - 135 | Recovery | =    | 76.72% |
| 24) Chloroform-d               | 7.64   | 84    | 281101   | 22.07    | ug/L | 0.00   |
| Spiked Amount                  | 25.000 | Range | 40 - 150 | Recovery | =    | 88.28% |
| 26) 1,2-Dichloroethane-d4      | 8.30   | 65    | 171573   | 22.36    | ug/L | 0.00   |
| Spiked Amount                  | 25.000 | Range | 70 - 130 | Recovery | =    | 89.44% |
| 29) Benzene-d6                 | 8.27   | 84    | 504152   | 20.10    | ug/L | 0.00   |
| Spiked Amount                  | 25.000 | Range | 20 - 135 | Recovery | =    | 80.40% |
| 33) 1,2-Dichloropropane-d6     | 9.27   | 67    | 162742   | 21.60    | ug/L | 0.00   |
| Spiked Amount                  | 25.000 | Range | 70 - 120 | Recovery | =    | 86.40% |
| 37) Toluene-d8                 | 10.32  | 98    | 443714   | 19.13    | ug/L | 0.00   |
| Spiked Amount                  | 25.000 | Range | 30 - 130 | Recovery | =    | 76.52% |
| 38) trans-1,3-Dichloropropene- | 10.58  | 79    | 69888    | 18.47    | ug/L | 0.00   |
| Spiked Amount                  | 25.000 | Range | 30 - 135 | Recovery | =    | 73.88% |
| 39) 2-Hexanone-d5              | 10.93  | 63    | 60568    | 33.20    | ug/L | 0.00   |
| Spiked Amount                  | 50.000 | Range | 20 - 135 | Recovery | =    | 66.40% |
| 48) 1,1,2,2-Tetrachloroethane- | 12.69  | 84    | 146500   | 19.75    | ug/L | 0.00   |
| Spiked Amount                  | 25.000 | Range | 45 - 120 | Recovery | =    | 79.00% |
| 61) 1,2-Dichlorobenzene-d4     | 13.86  | 152   | 175915   | 22.40    | ug/L | 0.00   |
| Spiked Amount                  | 25.000 | Range | 75 - 120 | Recovery | =    | 89.60% |

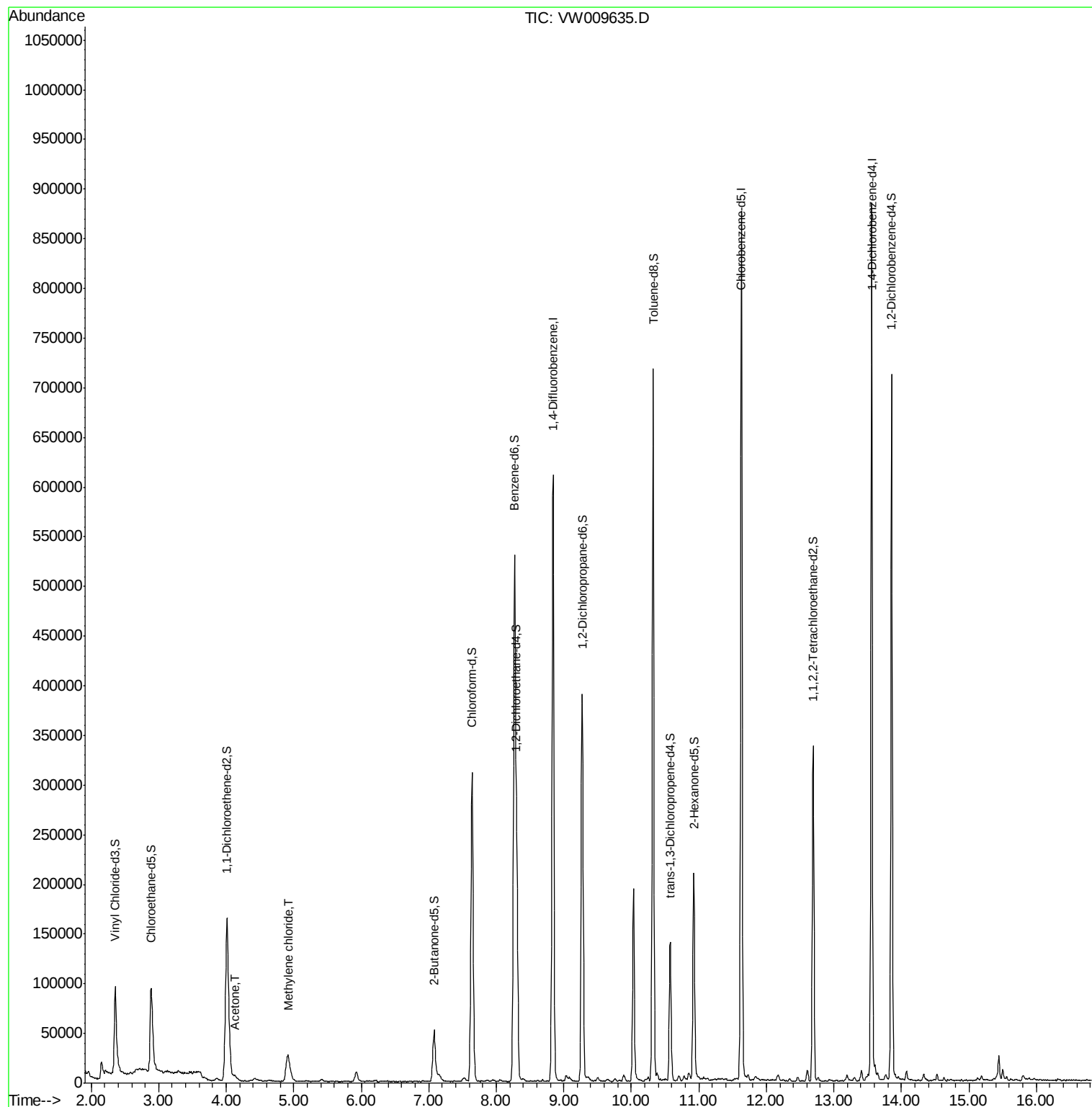
| Target Compounds       |      |    |       |            | Ovalue |
|------------------------|------|----|-------|------------|--------|
| 13) Acetone            | 4.13 | 43 | 7160  | 3.785 ug/L | 61     |
| 16) Methylene chloride | 4.92 | 84 | 25149 | 3.695 ug/L | 94     |

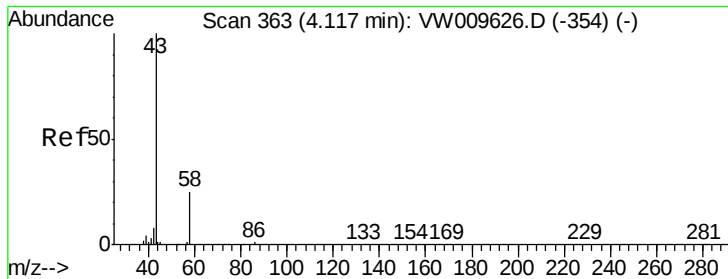
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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QLast Update : Tue Apr 02 01:34:09 2019  
Response via : Initial Calibration





#13

Acetone

Concen: 3.785 ug/L

RT: 4.13 min Scan# 365

Delta R.T. 0.01 min

Lab File: VW009635.D

Acq: 01 Apr 2019 20:38

Instrument :

MSVOA\_W

ClientSampled :

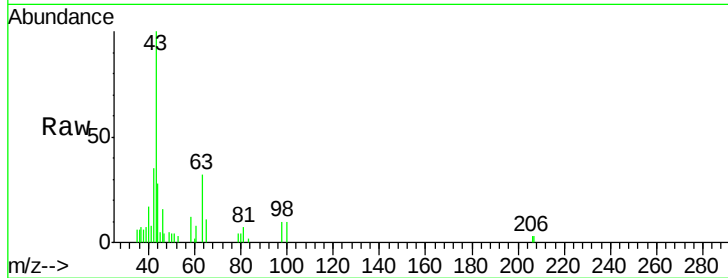
BF5A3

Tot Ion: 43 Resp: 7160

Ion Ratio Lower Upper

43 100

58 7.8 0.0 56.2



Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 58.00 (57.70 to 58.70): VW

4.13

2500

2000

1500

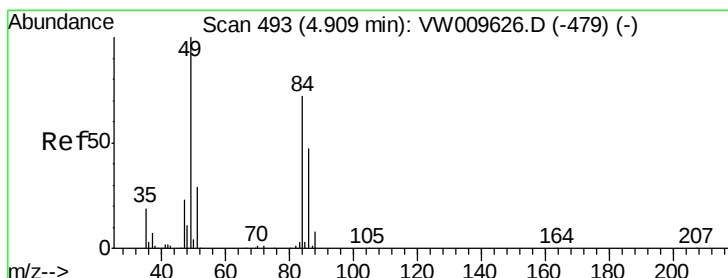
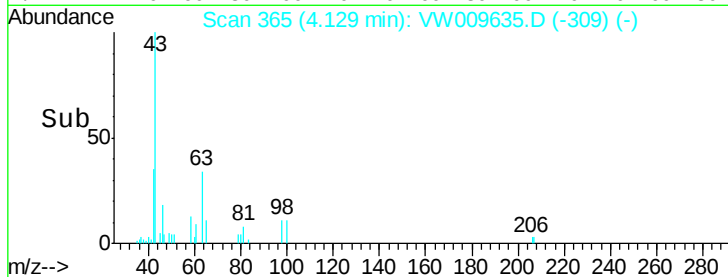
1000

500

0

Time-->

4.05 4.10 4.15 4.20 4.25



#16

Methylene chloride

Concen: 3.695 ug/L

RT: 4.92 min Scan# 494

Delta R.T. 0.01 min

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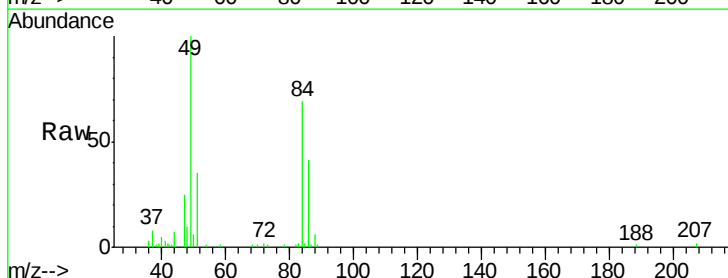
Tgt Ion: 84 Resp: 25149

Ion Ratio Lower Upper

84 100

49 145.2 96.0 178.2

86 60.0 44.4 82.5



Abundance Ion 84.00 (83.70 to 84.70): VW

Ion 49.00 (48.70 to 49.70): VW

Ion 86.00 (85.70 to 86.70): VW

10000

8000

6000

4000

2000

0

Time-->

4.80 4.90 5.00

