

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW073020\  
 Data File : VW016002.D  
 Acq On : 30 Jul 2020 11:37  
 Operator : SY/VA  
 Sample : L3492-06RE  
 Misc : 4.40G/10ML/MSVOA W/SOIL  
 ALS Vial : 7 Sample Multiplier: 1

Instrument :  
 MSVOA\_W  
 ClientSampleId :  
 D0AA3RE

Quant Time: Jul 31 06:50:57 2020  
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_W\METHOD\SOM2WLM072020S.M  
 Quant Title : VOC Analysis  
 QLast Update : Fri Jul 31 06:34:21 2020  
 Response via : Initial Calibration

| Internal Standards         | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|----------------------------|-------|------|----------|-------|-------|----------|
| 1) 1,4-Difluorobenzene     | 8.85  | 114  | 469954   | 25.00 | ug/L  | 0.00     |
| 28) Chlorobenzene-d5       | 11.63 | 117  | 339133   | 25.00 | ug/L  | 0.00     |
| 60) 1,4-Dichlorobenzene-d4 | 13.56 | 152  | 85410    | 25.00 | ug/L  | 0.00     |

## System Monitoring Compounds

|                                |        |       |          |          |      |         |
|--------------------------------|--------|-------|----------|----------|------|---------|
| 4) Vinyl Chloride-d3           | 2.36   | 65    | 133454   | 20.12    | ug/L | 0.00    |
| Spiked Amount                  | 25.000 | Range | 30 - 150 | Recovery | =    | 80.48%  |
| 7) Chloroethane-d5             | 2.90   | 69    | 111490   | 20.70    | ug/L | 0.00    |
| Spiked Amount                  | 25.000 | Range | 30 - 150 | Recovery | =    | 82.80%  |
| 10) 1,1-Dichloroethene-d2      | 4.01   | 63    | 196996   | 14.69    | ug/L | 0.00    |
| Spiked Amount                  | 25.000 | Range | 45 - 110 | Recovery | =    | 58.76%  |
| 20) 2-Butanone-d5              | 7.09   | 46    | 62453    | 35.85    | ug/L | 0.00    |
| Spiked Amount                  | 50.000 | Range | 20 - 135 | Recovery | =    | 71.70%  |
| 24) Chloroform-d               | 7.65   | 84    | 258948   | 19.62    | ug/L | 0.00    |
| Spiked Amount                  | 25.000 | Range | 40 - 150 | Recovery | =    | 78.48%  |
| 26) 1,2-Dichloroethane-d4      | 8.31   | 65    | 134538   | 18.57    | ug/L | 0.00    |
| Spiked Amount                  | 25.000 | Range | 70 - 130 | Recovery | =    | 74.28%  |
| 29) Benzene-d6                 | 8.27   | 84    | 511466   | 24.78    | ug/L | 0.00    |
| Spiked Amount                  | 25.000 | Range | 20 - 135 | Recovery | =    | 99.12%  |
| 33) 1,2-Dichloropropane-d6     | 9.27   | 67    | 157748   | 25.49    | ug/L | 0.00    |
| Spiked Amount                  | 25.000 | Range | 70 - 120 | Recovery | =    | 101.96% |
| 37) Toluene-d8                 | 10.33  | 98    | 404386   | 21.63    | ug/L | 0.00    |
| Spiked Amount                  | 25.000 | Range | 30 - 130 | Recovery | =    | 86.52%  |
| 38) trans-1,3-Dichloropropene- | 10.58  | 79    | 55294    | 20.96    | ug/L | 0.00    |
| Spiked Amount                  | 25.000 | Range | 30 - 135 | Recovery | =    | 83.84%  |
| 39) 2-Hexanone-d5              | 10.93  | 63    | 44496    | 43.18    | ug/L | 0.00    |
| Spiked Amount                  | 50.000 | Range | 20 - 135 | Recovery | =    | 86.36%  |
| 48) 1,1,2,2-Tetrachloroethane- | 12.69  | 84    | 93195    | 19.59    | ug/L | 0.00    |
| Spiked Amount                  | 25.000 | Range | 45 - 120 | Recovery | =    | 78.36%  |
| 61) 1,2-Dichlorobenzene-d4     | 13.86  | 152   | 63484    | 19.06    | ug/L | 0.00    |
| Spiked Amount                  | 25.000 | Range | 75 - 120 | Recovery | =    | 76.24%  |

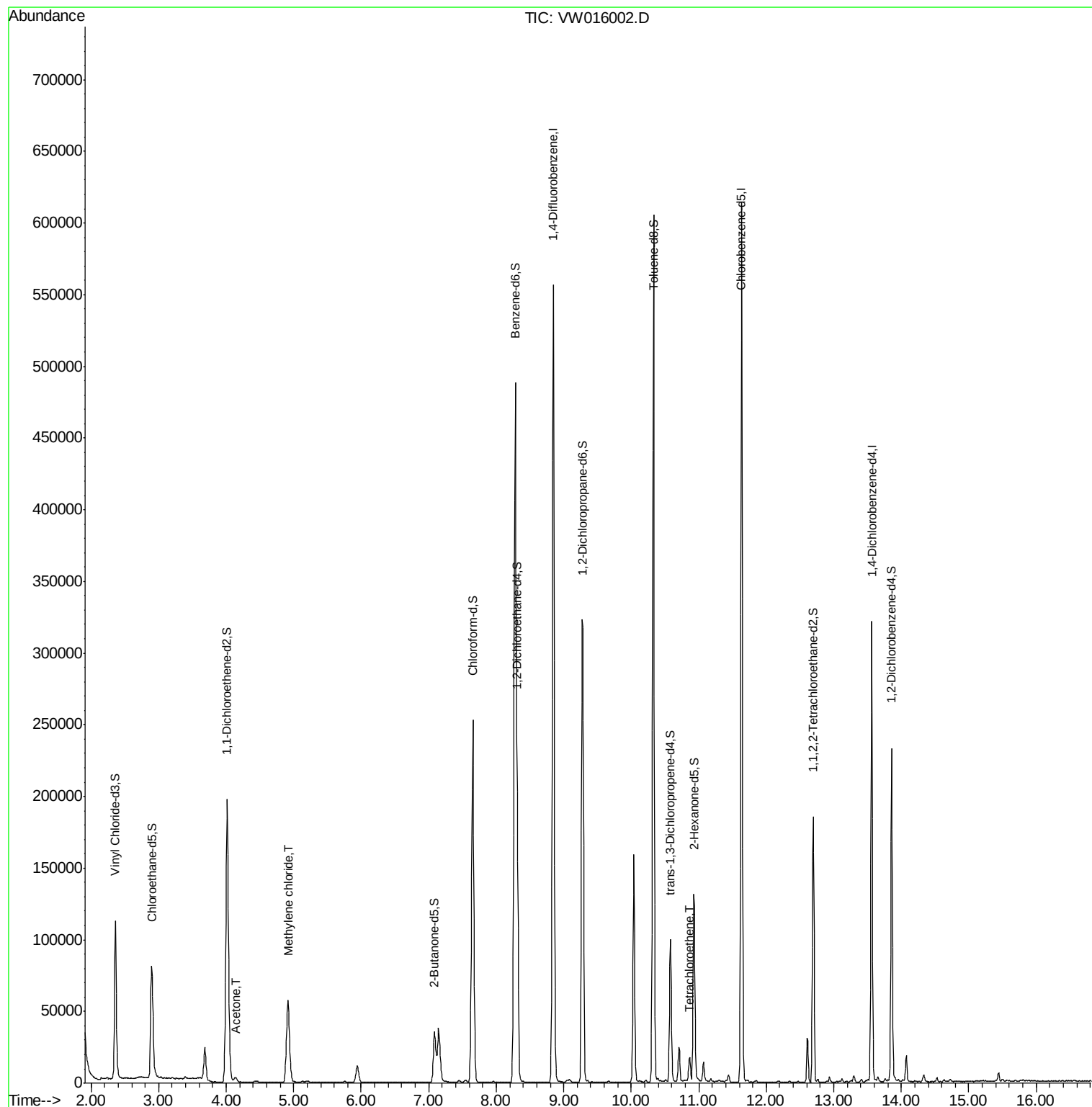
| Target Compounds       |       |     |       |            | Ovalue |
|------------------------|-------|-----|-------|------------|--------|
| 13) Acetone            | 4.14  | 43  | 5253  | 3.591 ug/L | 93     |
| 16) Methylene chloride | 4.92  | 84  | 46123 | 5.989 ug/L | 94     |
| 47) Tetrachloroethene  | 10.87 | 164 | 3894  | 0.921 ug/L | 97     |

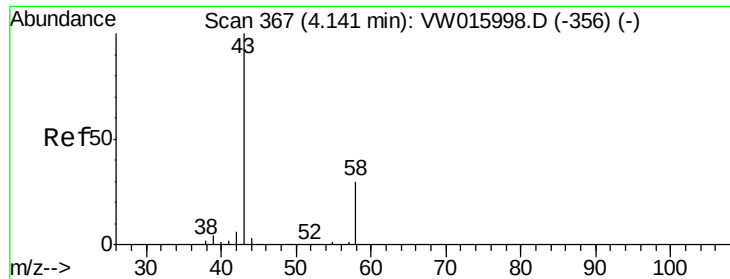
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#13

Acetone

Concen: 3.591 ug/L

RT: 4.14 min Scan# 367

Delta R.T. 0.00 min

Lab File: VW016002.D

Acq: 30 Jul 2020 11:37

Instrument :

MSVOA\_W

ClientSampleId :

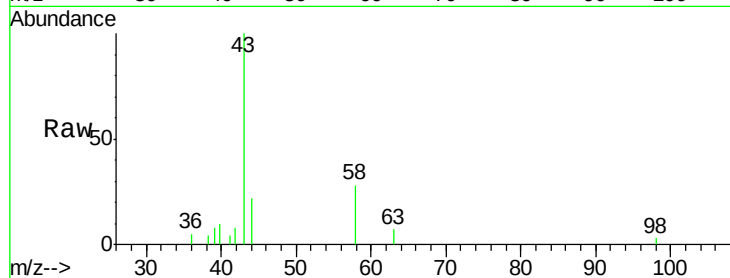
D0AA3RE

Tot Ion: 43 Resp: 5253

Ion Ratio Lower Upper

43 100

58 33.1 0.0 58.2



Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 58.00 (57.70 to 58.70): VW

4.14

1500

1000

500

0

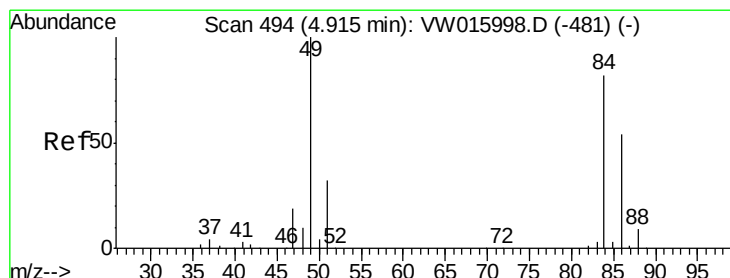
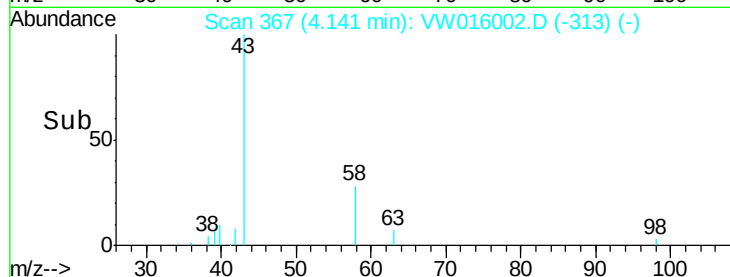
Time-->

4.05

4.10

4.15

4.20



#16

Methylene chloride

Concen: 5.989 ug/L

RT: 4.92 min Scan# 495

Delta R.T. 0.01 min

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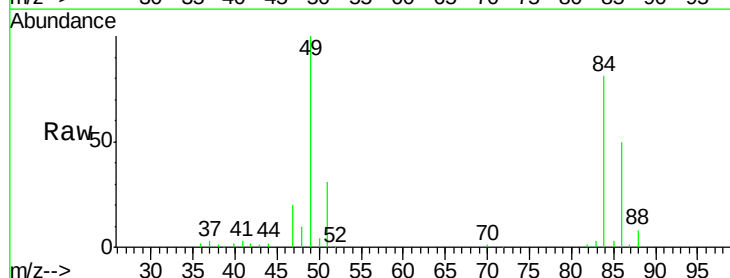
Tgt Ion: 84 Resp: 46123

Ion Ratio Lower Upper

84 100

49 123.0 91.1 169.1

86 61.9 46.0 85.4



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

4.92

20000

15000

10000

5000

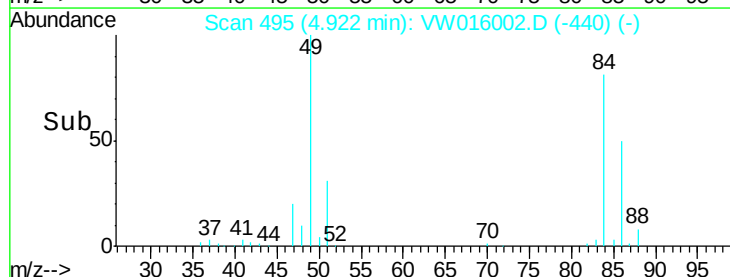
0

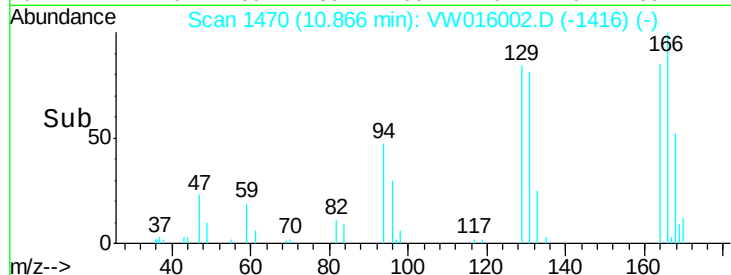
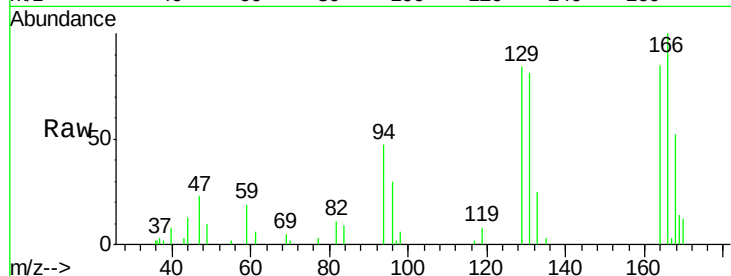
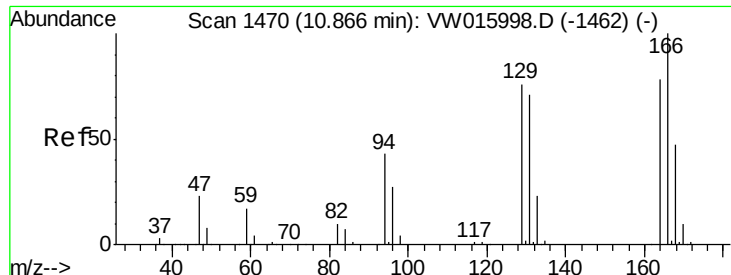
Time-->

4.80

4.90

5.00





#47

Tetrachloroethene

Concen: 0.921 ug/L

RT: 10.87 min Scan# 1470

Delta R.T. 0.00 min

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Instrument :

MSVOA\_W

ClientSampleId :

D0AA3RE

Tot Ion:164 Resp: 3894

Ion Ratio Lower Upper

164 100

129 99.6 70.0 130.0

131 95.6 67.3 124.9

166 118.3 88.5 164.3

Abundance Ion 164.00 (163.70 to 164.70): V

Ion 129.00 (128.70 to 129.70): V

Ion 131.00 (130.70 to 131.70): V

Ion 166.00 (165.70 to 166.70): V

