

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW072820\  
 Data File : VW015985.D  
 Acq On : 28 Jul 2020 15:40  
 Operator : SY/VA  
 Sample : L3458-08  
 Misc : 5.38G/10ML/MSVOA W/SOIL  
 ALS Vial : 13 Sample Multiplier: 1

Instrument :  
 MSVOA\_W  
 ClientSampleId :  
 GAY36

Quant Time: Jul 29 05:35:36 2020  
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_W\METHOD\SOM2WLM072020S.M  
 Quant Title : VOC Analysis  
 QLast Update : Wed Jul 29 04:38:00 2020  
 Response via : Initial Calibration

| Internal Standards         | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|----------------------------|-------|------|----------|-------|-------|----------|
| 1) 1,4-Difluorobenzene     | 8.85  | 114  | 406548   | 25.00 | ug/L  | 0.00     |
| 28) Chlorobenzene-d5       | 11.63 | 117  | 379852   | 25.00 | ug/L  | 0.00     |
| 60) 1,4-Dichlorobenzene-d4 | 13.56 | 152  | 167549   | 25.00 | ug/L  | 0.00     |

## System Monitoring Compounds

|                                |        |       |          |          |      |         |
|--------------------------------|--------|-------|----------|----------|------|---------|
| 4) Vinyl Chloride-d3           | 2.35   | 65    | 100378   | 17.50    | ug/L | 0.00    |
| Spiked Amount                  | 25.000 | Range | 30 - 150 | Recovery | =    | 70.00%  |
| 7) Chloroethane-d5             | 2.90   | 69    | 80766    | 17.33    | ug/L | 0.00    |
| Spiked Amount                  | 25.000 | Range | 30 - 150 | Recovery | =    | 69.32%  |
| 10) 1,1-Dichloroethene-d2      | 4.01   | 63    | 153628   | 13.25    | ug/L | 0.00    |
| Spiked Amount                  | 25.000 | Range | 45 - 110 | Recovery | =    | 53.00%  |
| 20) 2-Butanone-d5              | 7.09   | 46    | 90356    | 59.96    | ug/L | 0.00    |
| Spiked Amount                  | 50.000 | Range | 20 - 135 | Recovery | =    | 119.92% |
| 24) Chloroform-d               | 7.65   | 84    | 207801   | 18.20    | ug/L | 0.00    |
| Spiked Amount                  | 25.000 | Range | 40 - 150 | Recovery | =    | 72.80%  |
| 26) 1,2-Dichloroethane-d4      | 8.31   | 65    | 127764   | 20.38    | ug/L | 0.00    |
| Spiked Amount                  | 25.000 | Range | 70 - 130 | Recovery | =    | 81.52%  |
| 29) Benzene-d6                 | 8.28   | 84    | 414835   | 17.94    | ug/L | 0.00    |
| Spiked Amount                  | 25.000 | Range | 20 - 135 | Recovery | =    | 71.76%  |
| 33) 1,2-Dichloropropane-d6     | 9.28   | 67    | 132201   | 19.07    | ug/L | 0.00    |
| Spiked Amount                  | 25.000 | Range | 70 - 120 | Recovery | =    | 76.28%  |
| 37) Toluene-d8                 | 10.33  | 98    | 365414   | 17.45    | ug/L | 0.00    |
| Spiked Amount                  | 25.000 | Range | 30 - 130 | Recovery | =    | 69.80%  |
| 38) trans-1,3-Dichloropropene- | 10.58  | 79    | 55097    | 18.65    | ug/L | 0.00    |
| Spiked Amount                  | 25.000 | Range | 30 - 135 | Recovery | =    | 74.60%  |
| 39) 2-Hexanone-d5              | 10.93  | 63    | 69890    | 60.55    | ug/L | 0.00    |
| Spiked Amount                  | 50.000 | Range | 20 - 135 | Recovery | =    | 121.10% |
| 48) 1,1,2,2-Tetrachloroethane- | 12.69  | 84    | 137086   | 25.73    | ug/L | 0.00    |
| Spiked Amount                  | 25.000 | Range | 45 - 120 | Recovery | =    | 102.92% |
| 61) 1,2-Dichlorobenzene-d4     | 13.86  | 152   | 126892   | 19.42    | ug/L | 0.00    |
| Spiked Amount                  | 25.000 | Range | 75 - 120 | Recovery | =    | 77.68%  |

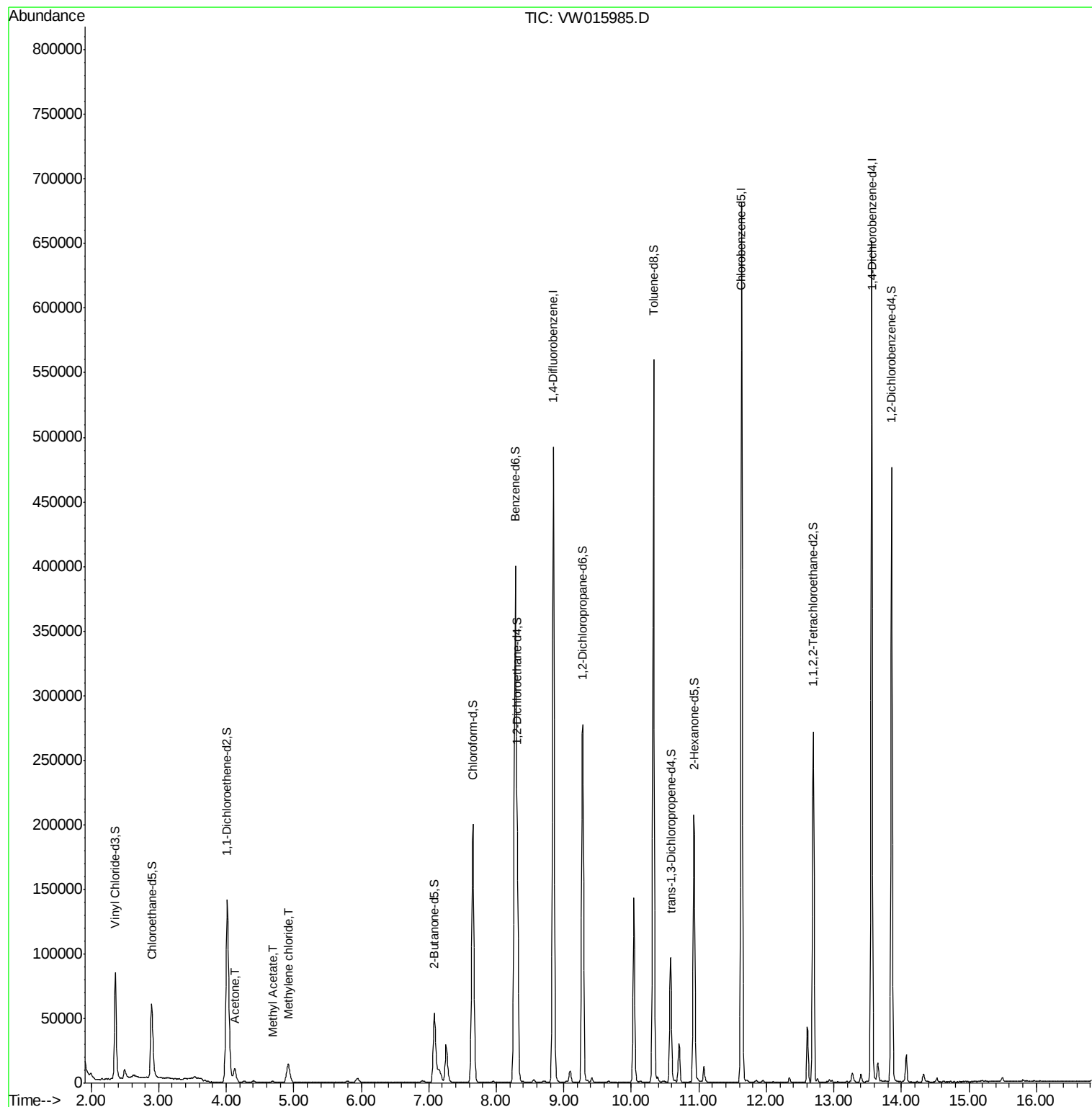
| Target Compounds       |      |    |       |              | Ovalue |
|------------------------|------|----|-------|--------------|--------|
| 13) Acetone            | 4.12 | 43 | 18574 | 14.677 ug/L  | 95     |
| 15) Methyl Acetate     | 4.68 | 43 | 2051  | 0.860 ug/L # | 76     |
| 16) Methylene chloride | 4.92 | 84 | 11878 | 1.783 ug/L   | 92     |

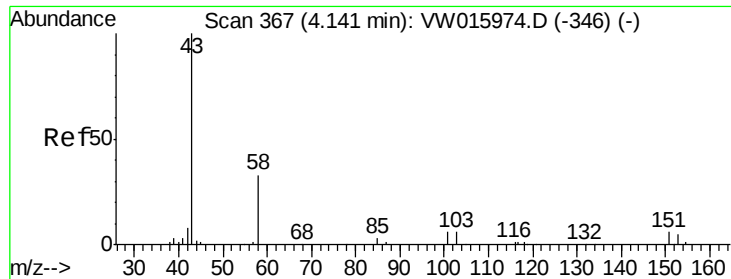
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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GAY36

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Quant Title : VOC Analysis  
QLast Update : Wed Jul 29 04:38:00 2020  
Response via : Initial Calibration





#13

Acetone

Concen: 14.677 ug/L

RT: 4.12 min Scan# 364

Delta R.T. -0.02 min

Lab File: VW015985.D

Acq: 28 Jul 2020 15:40

Instrument :

MSVOA\_W

ClientSampled :

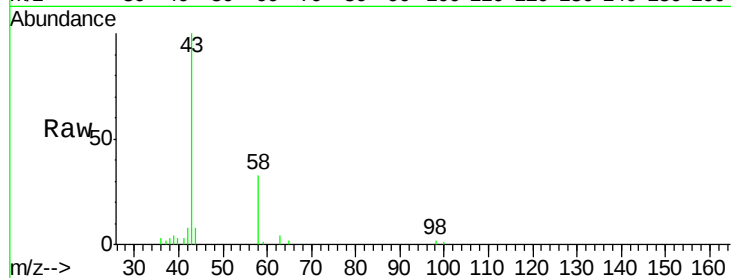
GAY36

Tot Ion: 43 Resp: 18574

Ion Ratio Lower Upper

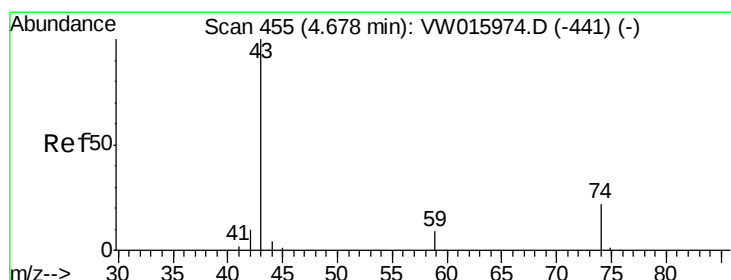
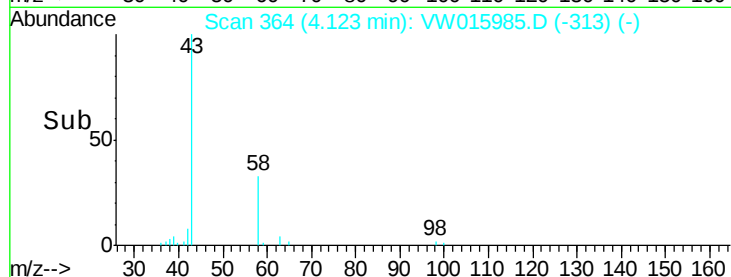
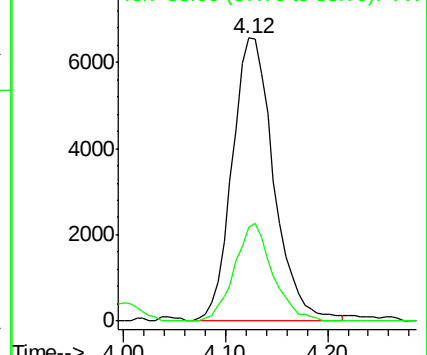
43 100

58 31.6 0.0 58.2



Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 58.00 (57.70 to 58.70): VW



#15

Methyl Acetate

Concen: 0.860 ug/L

RT: 4.68 min Scan# 455

Delta R.T. -0.00 min

Lab File: VW015985.D

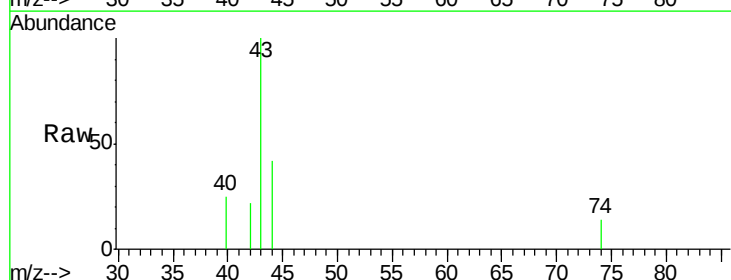
Acq: 28 Jul 2020 15:40

Tgt Ion: 43 Resp: 2051

Ion Ratio Lower Upper

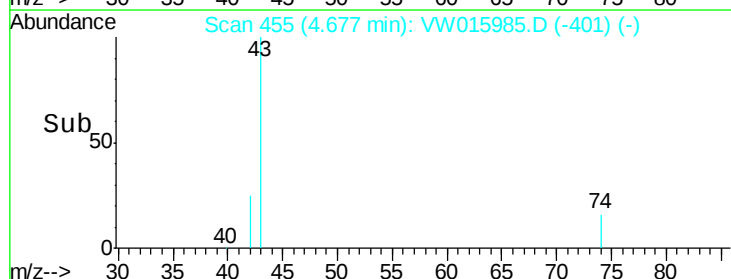
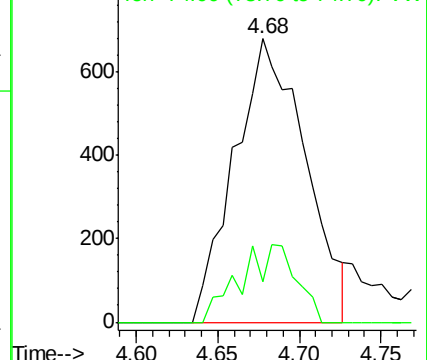
43 100

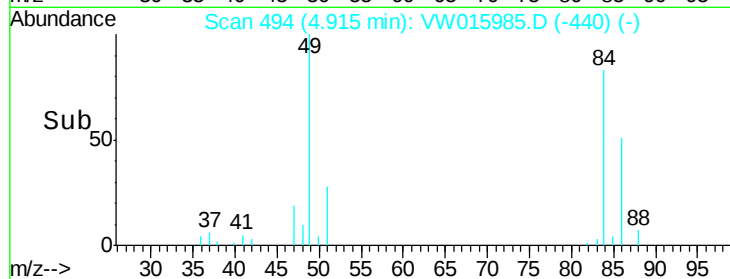
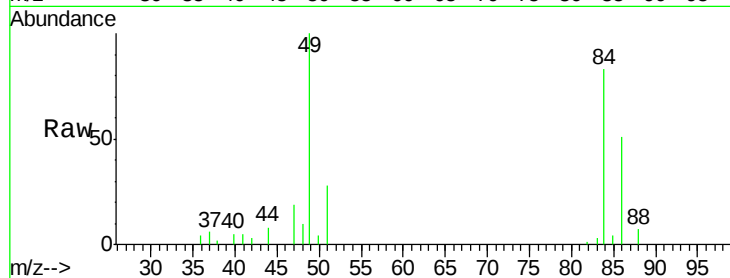
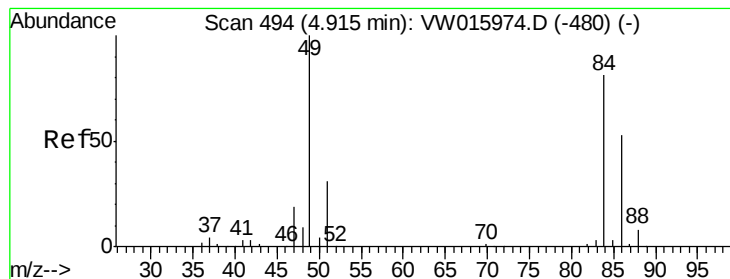
74 11.1 18.2 27.2#



Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 74.00 (73.70 to 74.70): VW





#16

Methylene chloride

Concen: 1.783 ug/L

RT: 4.92 min Scan# 494

Delta R.T. -0.00 min

Lab File: VW015985.D

Acq: 28 Jul 2020 15:40

Instrument :

MSVOA\_W

ClientSampleId :

GAY36

Tot Ion: 84 Resp: 11878

Ion Ratio Lower Upper

84 100

49 119.9 91.1 169.1

86 61.3 46.0 85.4

