

Data Path : Z:\VOASRV\HPCHEM1\MSVOA V\DATA\VV050919\  
 Data File : VV010830.D  
 Acq On : 10 May 2019 23:56  
 Operator : SY/MD  
 Sample : K2692-16  
 Misc : 5.47G/10ML/MSVOA V/SOIL  
 ALS Vial : 1 Sample Multiplier: 1

Instrument :  
 MSVOA\_V  
 ClientSampleId :  
 A5179

Quant Time: May 11 00:44:29 2019  
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_V\METHOD\SOM2VLM050719S.M  
 Quant Title : VOC Analysis  
 QLast Update : Sat May 11 00:23:03 2019  
 Response via : Initial Calibration

| Internal Standards         | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|----------------------------|-------|------|----------|-------|-------|----------|
| 1) 1,4-Difluorobenzene     | 5.66  | 114  | 86919    | 25.00 | ug/L  | 0.00     |
| 28) Chlorobenzene-d5       | 8.89  | 117  | 83268    | 25.00 | ug/L  | 0.00     |
| 60) 1,4-Dichlorobenzene-d4 | 11.30 | 152  | 24854    | 25.00 | ug/L  | 0.00     |

## System Monitoring Compounds

|                                |        |       |          |          |      |          |
|--------------------------------|--------|-------|----------|----------|------|----------|
| 4) Vinyl Chloride-d3           | 1.31   | 65    | 24677    | 18.27    | ug/L | 0.00     |
| Spiked Amount                  | 25.000 | Range | 30 - 150 | Recovery | =    | 73.08%   |
| 7) Chloroethane-d5             | 1.56   | 69    | 25913    | 23.32    | ug/L | 0.00     |
| Spiked Amount                  | 25.000 | Range | 30 - 150 | Recovery | =    | 93.28%   |
| 10) 1,1-Dichloroethene-d2      | 2.12   | 63    | 42368    | 14.47    | ug/L | 0.00     |
| Spiked Amount                  | 25.000 | Range | 45 - 110 | Recovery | =    | 57.88%   |
| 20) 2-Butanone-d5              | 3.93   | 46    | 29343    | 72.42    | ug/L | 0.00     |
| Spiked Amount                  | 50.000 | Range | 20 - 135 | Recovery | =    | 144.84%# |
| 24) Chloroform-d               | 4.39   | 84    | 60683    | 25.61    | ug/L | 0.00     |
| Spiked Amount                  | 25.000 | Range | 40 - 150 | Recovery | =    | 102.44%  |
| 26) 1,2-Dichloroethane-d4      | 5.08   | 65    | 42773    | 28.90    | ug/L | 0.00     |
| Spiked Amount                  | 25.000 | Range | 70 - 130 | Recovery | =    | 115.60%  |
| 29) Benzene-d6                 | 5.09   | 84    | 105620   | 24.10    | ug/L | 0.00     |
| Spiked Amount                  | 25.000 | Range | 20 - 135 | Recovery | =    | 96.40%   |
| 33) 1,2-Dichloropropane-d6     | 6.11   | 67    | 38474    | 27.55    | ug/L | 0.00     |
| Spiked Amount                  | 25.000 | Range | 70 - 120 | Recovery | =    | 110.20%  |
| 37) Toluene-d8                 | 7.36   | 98    | 87125    | 20.76    | ug/L | 0.00     |
| Spiked Amount                  | 25.000 | Range | 30 - 130 | Recovery | =    | 83.04%   |
| 38) trans-1,3-Dichloropropene- | 7.66   | 79    | 15090    | 23.70    | ug/L | 0.00     |
| Spiked Amount                  | 25.000 | Range | 30 - 135 | Recovery | =    | 94.80%   |
| 39) 2-Hexanone-d5              | 8.13   | 63    | 20635    | 70.61    | ug/L | 0.00     |
| Spiked Amount                  | 50.000 | Range | 20 - 135 | Recovery | =    | 141.22%# |
| 48) 1,1,2,2-Tetrachloroethane- | 10.26  | 84    | 37814    | 28.81    | ug/L | 0.00     |
| Spiked Amount                  | 25.000 | Range | 45 - 120 | Recovery | =    | 115.24%  |
| 61) 1,2-Dichlorobenzene-d4     | 11.67  | 152   | 23098    | 24.00    | ug/L | 0.00     |
| Spiked Amount                  | 25.000 | Range | 75 - 120 | Recovery | =    | 96.00%   |

## Target Compounds

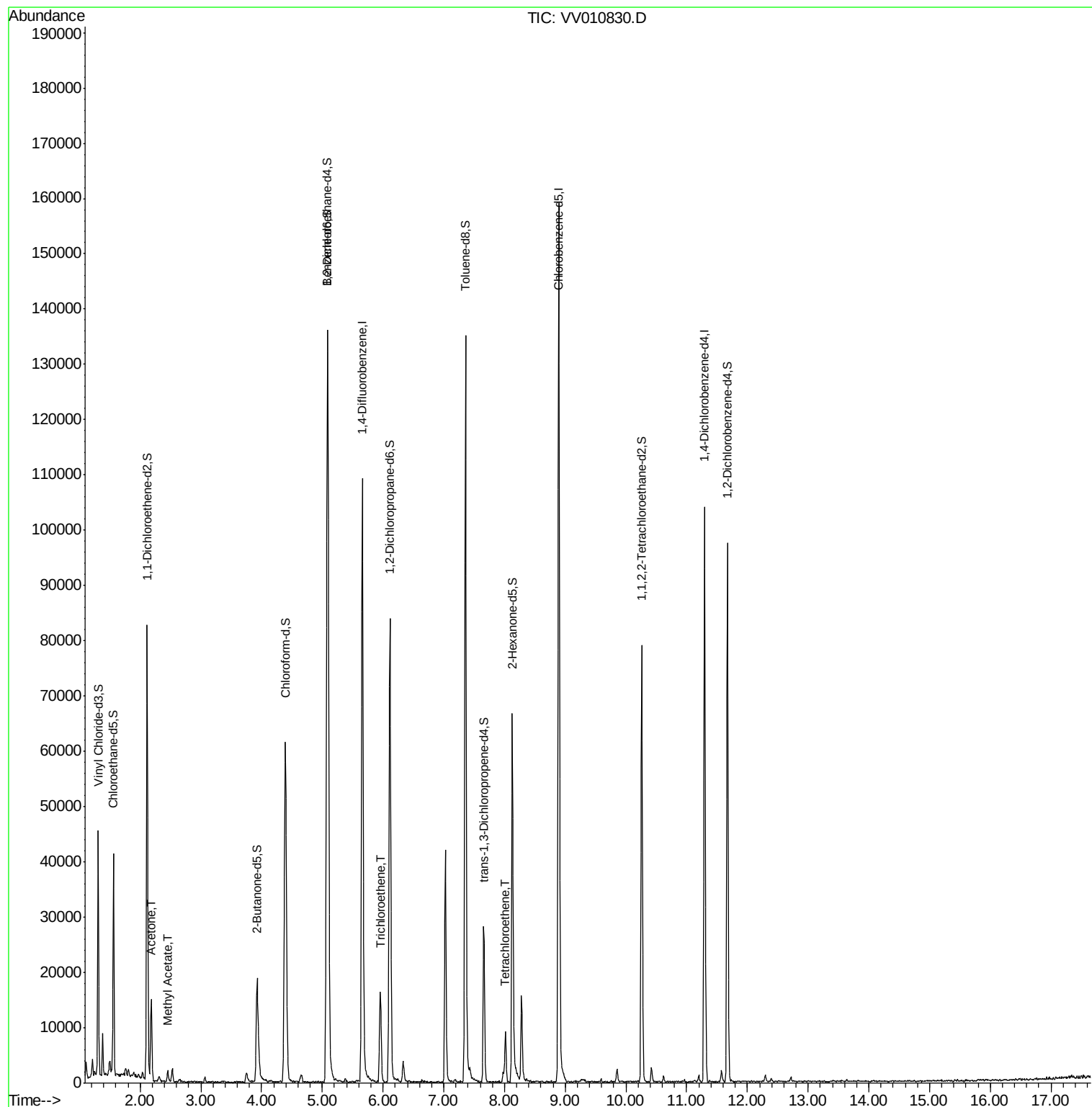
|                       |      |     |       |             | Ovalue |
|-----------------------|------|-----|-------|-------------|--------|
| 13) Acetone           | 2.18 | 43  | 12839 | 20.467 ug/L | 98     |
| 15) Methyl Acetate    | 2.45 | 43  | 2188  | 2.920 ug/L  | 98     |
| 35) Trichloroethene   | 5.96 | 95  | 5653  | 4.129 ug/L  | 97     |
| 47) Tetrachloroethene | 8.01 | 164 | 1890  | 1.906 ug/L  | 93     |

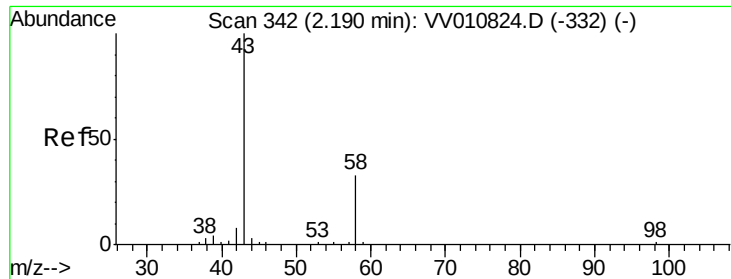
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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QLast Update : Sat May 11 00:23:03 2019  
Response via : Initial Calibration





#13

Acetone

Concen: 20.467 ug/L

RT: 2.18 min Scan# 340

Delta R.T. -0.01 min

Lab File: VV010830.D

Acq: 10 May 2019 23:56

Instrument :

MSVOA\_V

ClientSampleId :

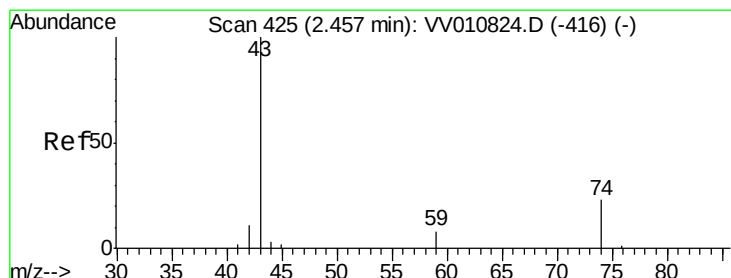
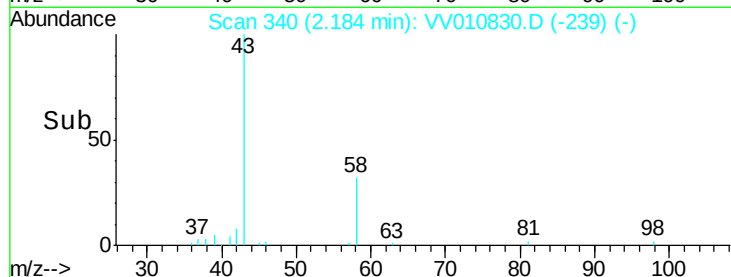
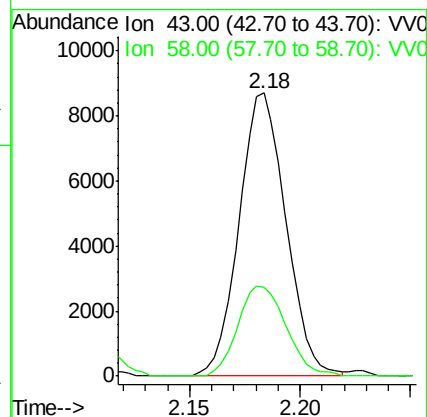
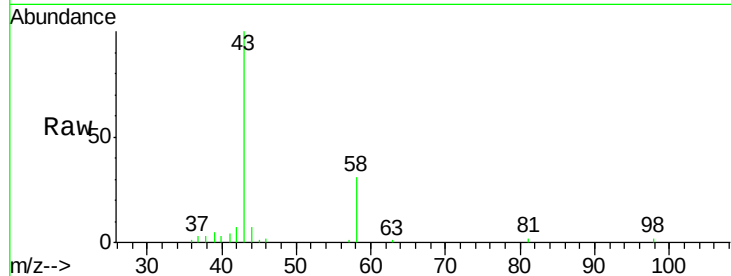
A5179

Tot Ion: 43 Resp: 12839

Ion Ratio Lower Upper

43 100

58 32.8 0.0 63.4



#15

Methyl Acetate

Concen: 2.920 ug/L

RT: 2.45 min Scan# 424

Delta R.T. -0.00 min

Lab File: VV010830.D

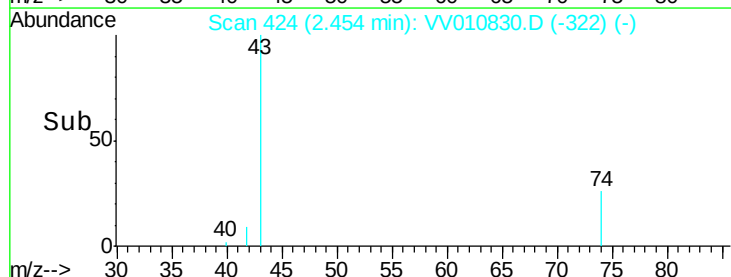
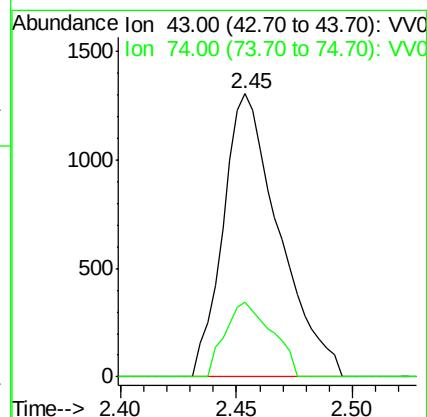
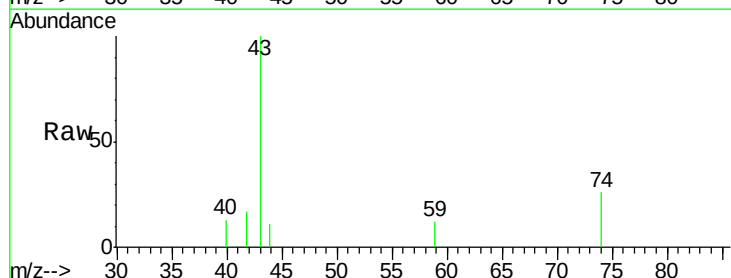
Acq: 10 May 2019 23:56

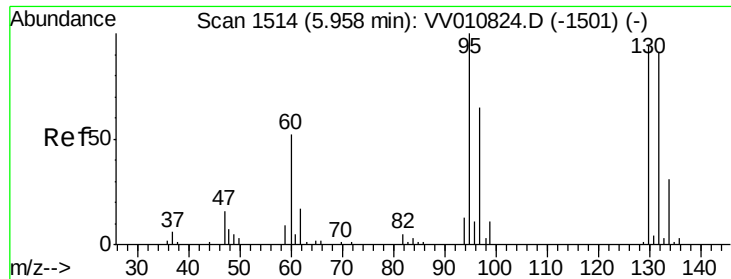
Tgt Ion: 43 Resp: 2188

Ion Ratio Lower Upper

43 100

74 22.0 17.0 25.4





#35

Trichloroethene

Concen: 4.129 ug/L

RT: 5.96 min Scan# 1513

Delta R.T. -0.00 min

Lab File: VV010830.D

Acq: 10 May 2019 23:56

Instrument :

MSVOA\_V

ClientSampleId :

A5179

Tot Ion: 95 Resp: 5653

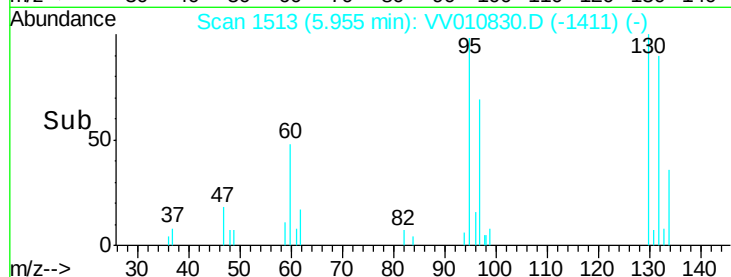
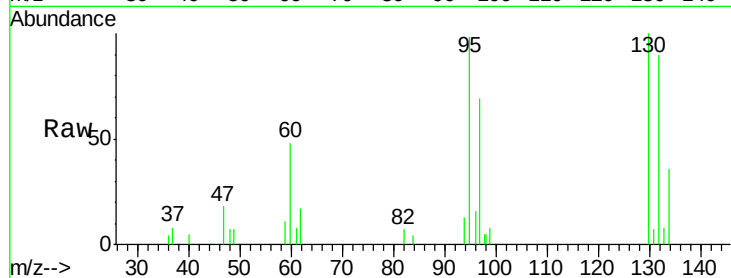
Ion Ratio Lower Upper

95 100

97 66.3 44.3 82.3

132 88.7 62.4 115.8

130 93.2 68.5 127.3

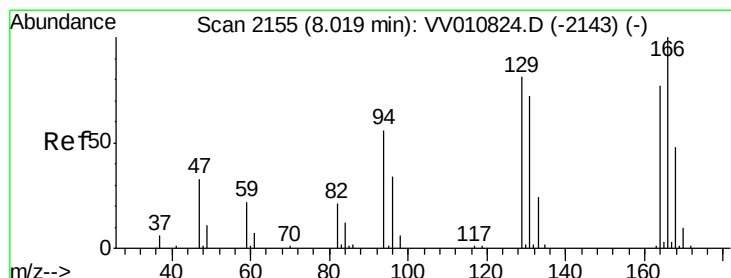
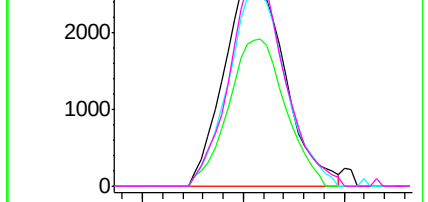


Abundance Ion 95.00 (94.70 to 95.70): VV010830.D (-1411) (-)

Ion 97.00 (96.70 to 97.70): VV010830.D (-1411) (-)

Ion 132.00 (131.70 to 132.70): VV010830.D (-1411) (-)

Ion 130.00 (129.70 to 130.70): VV010830.D (-1411) (-)



#47

Tetrachloroethene

Concen: 1.906 ug/L

RT: 8.01 min Scan# 2153

Delta R.T. -0.01 min

Lab File: VV010830.D

Acq: 10 May 2019 23:56

Tgt Ion: 164 Resp: 1890

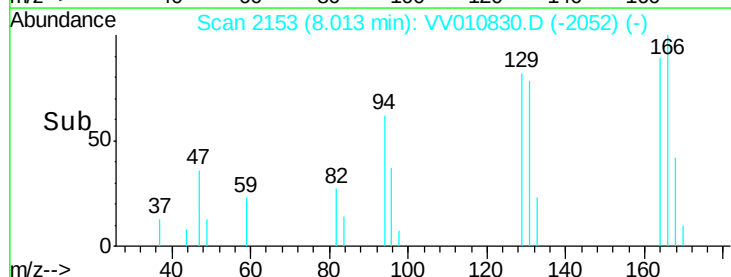
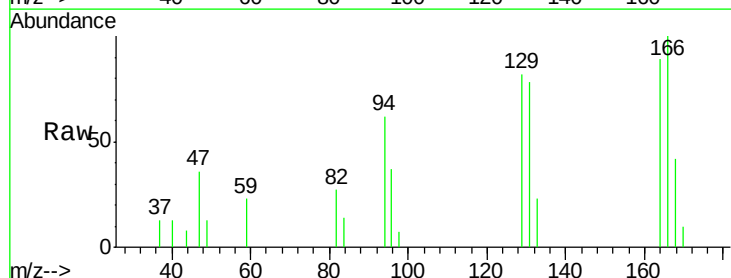
Ion Ratio Lower Upper

164 100

129 91.8 69.3 128.7

131 86.9 67.3 125.1

166 111.8 81.1 150.7



Abundance Ion 164.00 (163.70 to 164.70): VV010830.D (-2052) (-)

Ion 129.00 (128.70 to 129.70): VV010830.D (-2052) (-)

Ion 131.00 (130.70 to 131.70): VV010830.D (-2052) (-)

Ion 166.00 (165.70 to 166.70): VV010830.D (-2052) (-)

