

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW091020\  
 Data File : VW016527.D  
 Acq On : 10 Sep 2020 16:22  
 Operator : SY/VA  
 Sample : L3945-09RE  
 Misc : 6.39G/10ML/MSVOA W/SOIL  
 ALS Vial : 20 Sample Multiplier: 1

Instrument :  
 MSVOA\_W  
 ClientSampleId :  
 BFWY3RE

Manual Integrations  
 APPROVED

MMDadoda  
 9/14/2020 9:46:58 AM

Quant Time: Sep 11 07:31:49 2020  
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_W\METHOD\SOM2WLM090320S.M  
 Quant Title : VOC Analysis  
 QLast Update : Fri Sep 11 06:07:14 2020  
 Response via : Initial Calibration

| Internal Standards         | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|----------------------------|-------|------|----------|-------|-------|----------|
| 1) 1,4-Difluorobenzene     | 8.85  | 114  | 294784   | 25.00 | ug/L  | 0.00     |
| 28) Chlorobenzene-d5       | 11.63 | 117  | 248180   | 25.00 | ug/L  | 0.00     |
| 60) 1,4-Dichlorobenzene-d4 | 13.56 | 152  | 98944    | 25.00 | ug/L  | 0.00     |

## System Monitoring Compounds

|                                |        |       |          |          |      |        |
|--------------------------------|--------|-------|----------|----------|------|--------|
| 4) Vinyl Chloride-d3           | 2.36   | 65    | 70751    | 22.62    | ug/L | 0.00   |
| Spiked Amount                  | 25.000 | Range | 30 - 150 | Recovery | =    | 90.48% |
| 7) Chloroethane-d5             | 2.90   | 69    | 65862    | 23.45    | ug/L | 0.00   |
| Spiked Amount                  | 25.000 | Range | 30 - 150 | Recovery | =    | 93.80% |
| 10) 1,1-Dichloroethene-d2      | 4.03   | 63    | 102389   | 14.24    | ug/L | 0.00   |
| Spiked Amount                  | 25.000 | Range | 45 - 110 | Recovery | =    | 56.96% |
| 20) 2-Butanone-d5              | 7.09   | 46    | 32356    | 28.97    | ug/L | 0.00   |
| Spiked Amount                  | 50.000 | Range | 20 - 135 | Recovery | =    | 57.94% |
| 24) Chloroform-d               | 7.65   | 84    | 149862   | 21.70    | ug/L | 0.00   |
| Spiked Amount                  | 25.000 | Range | 40 - 150 | Recovery | =    | 86.80% |
| 26) 1,2-Dichloroethane-d4      | 8.31   | 65    | 78669m   | 20.84    | ug/L | 0.00   |
| Spiked Amount                  | 25.000 | Range | 70 - 130 | Recovery | =    | 83.36% |
| 29) Benzene-d6                 | 8.28   | 84    | 277462   | 21.99    | ug/L | 0.00   |
| Spiked Amount                  | 25.000 | Range | 20 - 135 | Recovery | =    | 87.96% |
| 33) 1,2-Dichloropropane-d6     | 9.28   | 67    | 83623    | 22.56    | ug/L | 0.00   |
| Spiked Amount                  | 25.000 | Range | 70 - 120 | Recovery | =    | 90.24% |
| 37) Toluene-d8                 | 10.33  | 98    | 248698   | 20.74    | ug/L | 0.00   |
| Spiked Amount                  | 25.000 | Range | 30 - 130 | Recovery | =    | 82.96% |
| 38) trans-1,3-Dichloropropene- | 10.59  | 79    | 34420    | 18.40    | ug/L | 0.00   |
| Spiked Amount                  | 25.000 | Range | 30 - 135 | Recovery | =    | 73.60% |
| 39) 2-Hexanone-d5              | 10.93  | 63    | 24412    | 32.22    | ug/L | 0.00   |
| Spiked Amount                  | 50.000 | Range | 20 - 135 | Recovery | =    | 64.44% |
| 48) 1,1,2,2-Tetrachloroethane- | 12.69  | 84    | 62384    | 19.90    | ug/L | 0.00   |
| Spiked Amount                  | 25.000 | Range | 45 - 120 | Recovery | =    | 79.60% |
| 61) 1,2-Dichlorobenzene-d4     | 13.85  | 152   | 79636    | 23.29    | ug/L | 0.00   |
| Spiked Amount                  | 25.000 | Range | 75 - 120 | Recovery | =    | 93.16% |

| Target Compounds       |       |     |       |             | Ovalue |
|------------------------|-------|-----|-------|-------------|--------|
| 13) Acetone            | 4.14  | 43  | 7685  | 10.720 ug/L | 84     |
| 16) Methylene chloride | 4.92  | 84  | 10946 | 2.379 ug/L  | 88     |
| 47) Tetrachloroethene  | 10.87 | 164 | 11702 | 3.882 ug/L  | 90     |

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

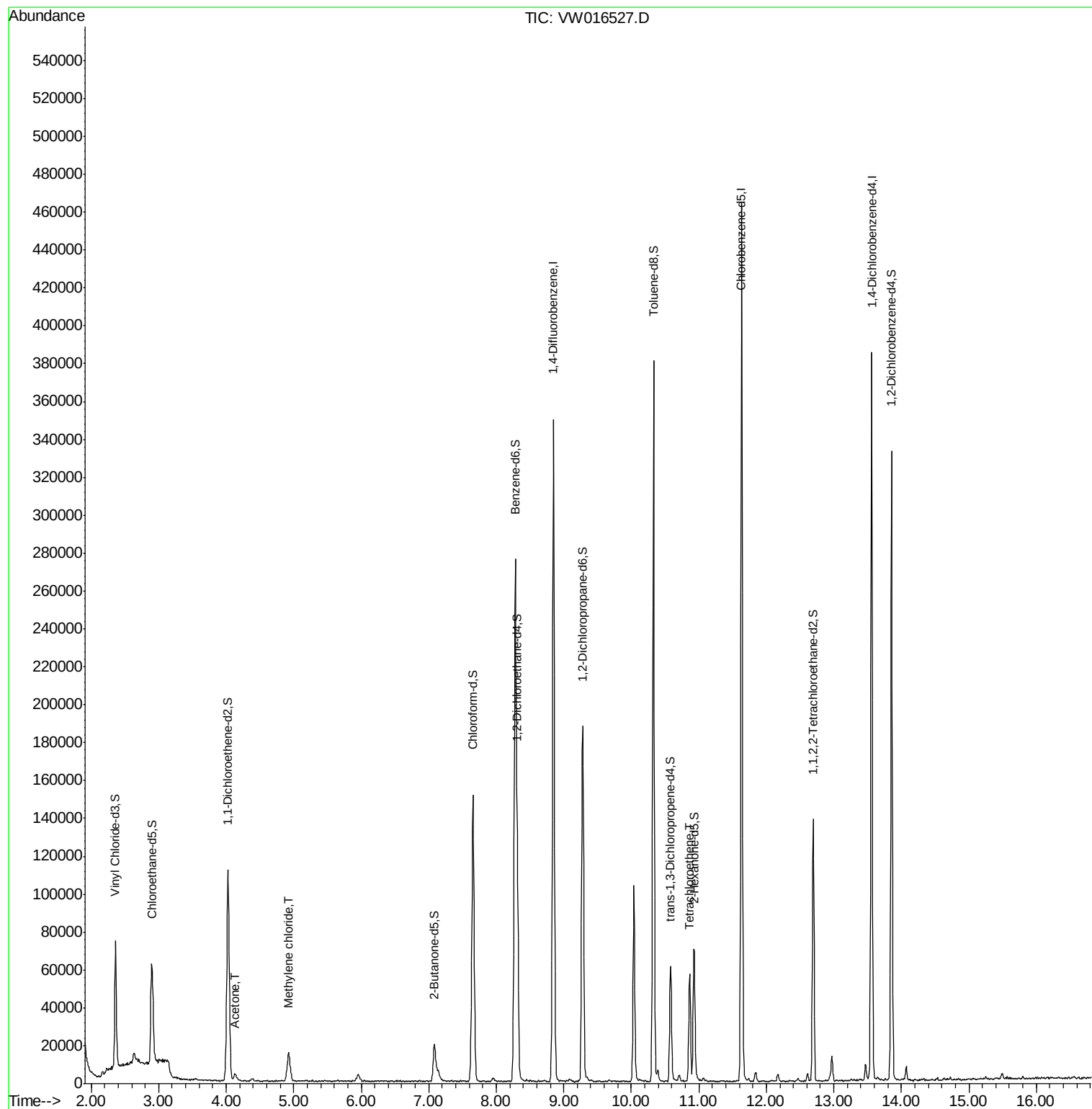
Data Path : Z:\V0ASRV\HPCHEM1\MSVOA W\DATA\VW091020\  
Data File : VW016527.D  
Acq On : 10 Sep 2020 16:22  
Operator : SY/VA  
Sample : L3945-09RE  
Misc : 6.39G/10ML/MSVOA W/SOIL  
ALS Vial : 20 Sample Multiplier: 1

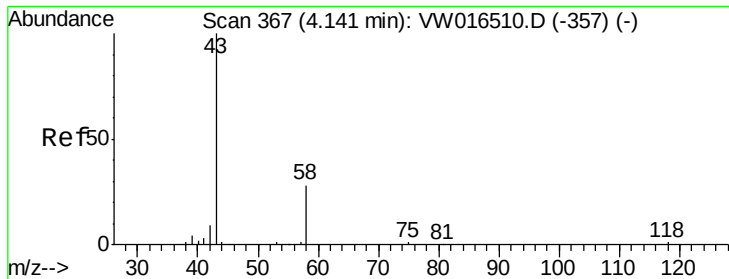
Instrument :  
MSVOA\_W  
ClientSampleId :  
BFWY3RE

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Quant Time: Sep 11 07:31:49 2020  
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA\_W\METHOD\SOM2WLM090320S.M  
Quant Title : VOC Analysis  
QLast Update : Fri Sep 11 06:07:14 2020  
Response via : Initial Calibration





#13

Acetone

Concen: 10.720 ug/L

RT: 4.14 min Scan# 366

Delta R.T. -0.01 min

Lab File: VW016527.D

Acq: 10 Sep 2020 16:22

Tot Ion: 43 Resp: 7685

Ion Ratio Lower Upper

43 100

58 22.9 0.0 63.0

Instrument :

MSVOA\_W

ClientSampled :

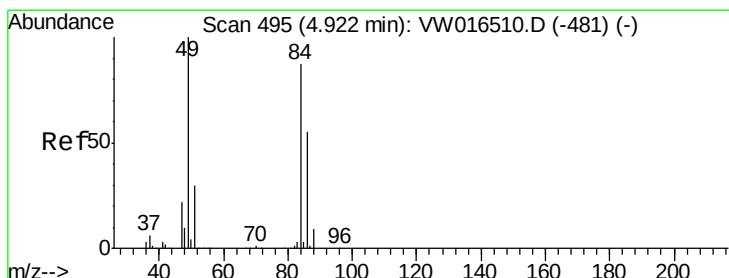
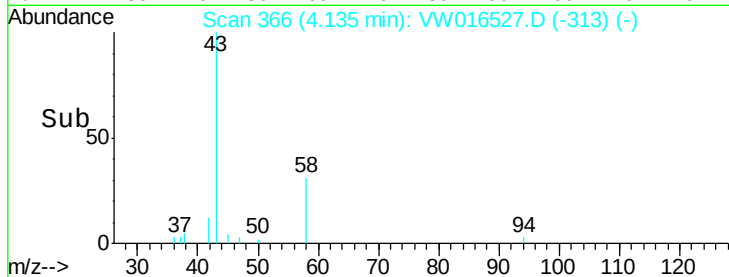
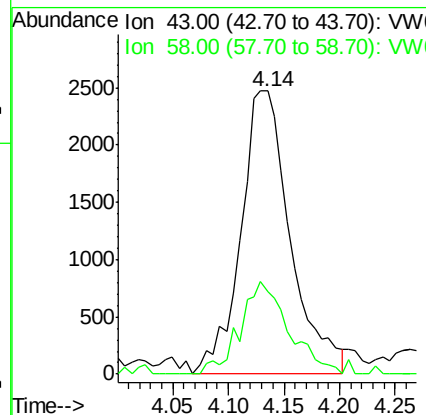
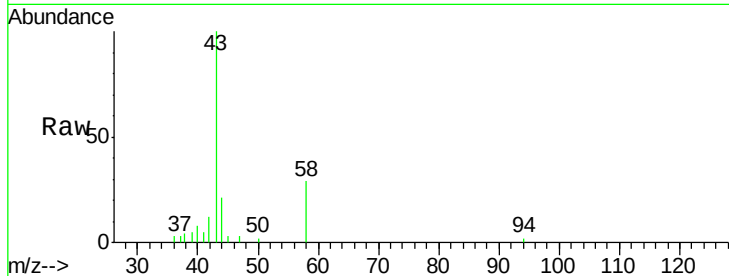
BFWY3RE

Manual Integrations

APPROVED

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9/14/2020 9:46:58 AM



#16

Methylene chloride

Concen: 2.379 ug/L

RT: 4.92 min Scan# 495

Delta R.T. -0.00 min

Lab File: VW016527.D

Acq: 10 Sep 2020 16:22

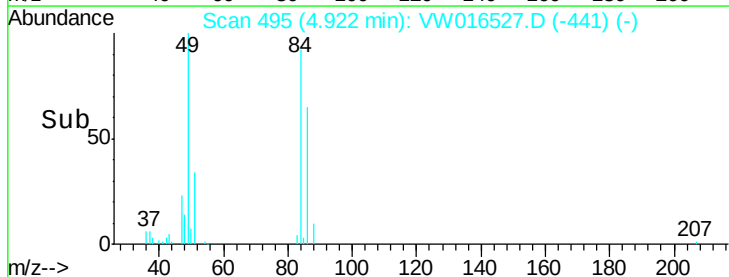
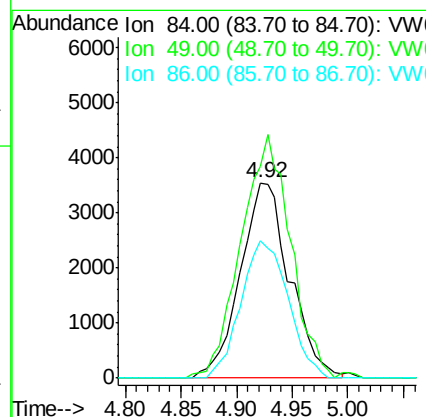
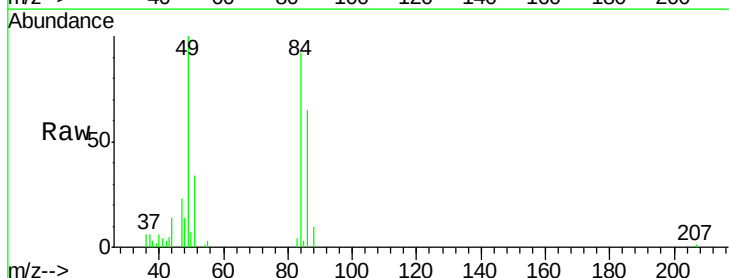
Tgt Ion: 84 Resp: 10946

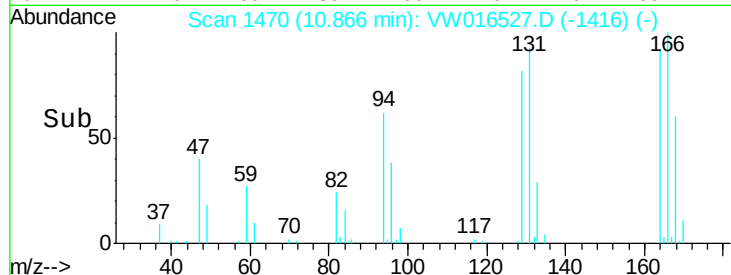
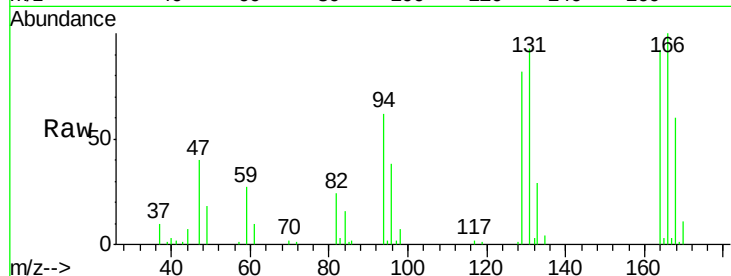
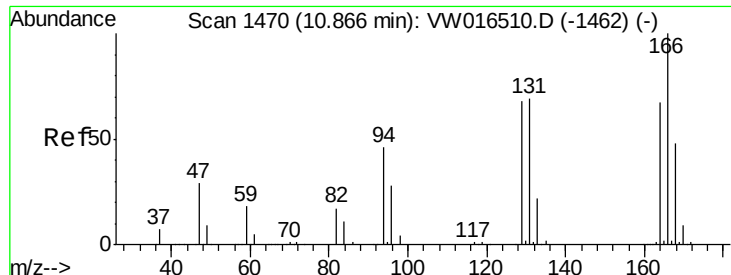
Ion Ratio Lower Upper

84 100

49 108.2 86.7 160.9

86 70.3 44.9 83.5





#47  
Tetrachloroethene  
Concen: 3.882 ug/L  
RT: 10.87 min Scan# 1470  
Delta R.T. -0.00 min  
Lab File: VW016527.D  
Acq: 10 Sep 2020 16:22

Instrument :  
MSVOA\_W  
ClientSampleId :  
BFWY3RE

|          |       |       |       |
|----------|-------|-------|-------|
| Tot Ion: | 164   | Resp: | 11702 |
| Ion      | Ratio | Lower | Upper |
| 164      | 100   |       |       |
| 129      | 89.1  | 65.7  | 121.9 |
| 131      | 100.8 | 61.1  | 113.5 |
| 166      | 108.9 | 85.0  | 157.8 |

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