

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW100318\  
 Data File : VW005827.D  
 Acq On : 03 Oct 2018 22:27  
 Operator : SY/AP  
 Sample : J5182-11  
 Misc : 5.29G/105ML/MSVOA W/SOIL  
 ALS Vial : 1 Sample Multiplier: 1

Instrument :  
 MSVOA\_W  
 ClientSampleId :

Quant Time: Oct 04 07:05:00 2018  
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_W\METHOD\SOM2WLM092818S.M  
 Quant Title : VOC Analysis  
 QLast Update : Thu Oct 04 07:04:02 2018  
 Response via : Initial Calibration

| Internal Standards         | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|----------------------------|-------|------|----------|-------|-------|----------|
| 1) 1,4-Difluorobenzene     | 8.85  | 114  | 197753   | 25.00 | ug/L  | 0.00     |
| 28) Chlorobenzene-d5       | 11.63 | 117  | 196673   | 25.00 | ug/L  | 0.00     |
| 60) 1,4-Dichlorobenzene-d4 | 13.57 | 152  | 78692    | 25.00 | ug/L  | 0.00     |

## System Monitoring Compounds

|                                |        |       |          |          |      |         |
|--------------------------------|--------|-------|----------|----------|------|---------|
| 4) Vinyl Chloride-d3           | 2.36   | 65    | 39420    | 15.64    | ug/L | 0.00    |
| Spiked Amount                  | 25.000 | Range | 30 - 150 | Recovery | =    | 62.56%  |
| 7) Chloroethane-d5             | 2.90   | 69    | 35468    | 18.03    | ug/L | 0.00    |
| Spiked Amount                  | 25.000 | Range | 30 - 150 | Recovery | =    | 72.12%  |
| 10) 1,1-Dichloroethene-d2      | 4.01   | 63    | 72209    | 13.12    | ug/L | 0.00    |
| Spiked Amount                  | 25.000 | Range | 45 - 110 | Recovery | =    | 52.48%  |
| 20) 2-Butanone-d5              | 7.09   | 46    | 47992    | 59.30    | ug/L | 0.00    |
| Spiked Amount                  | 50.000 | Range | 20 - 135 | Recovery | =    | 118.60% |
| 24) Chloroform-d               | 7.65   | 84    | 134025   | 26.38    | ug/L | 0.00    |
| Spiked Amount                  | 25.000 | Range | 40 - 150 | Recovery | =    | 105.52% |
| 26) 1,2-Dichloroethane-d4      | 8.31   | 65    | 89637    | 29.13    | ug/L | 0.00    |
| Spiked Amount                  | 25.000 | Range | 70 - 130 | Recovery | =    | 116.52% |
| 29) Benzene-d6                 | 8.28   | 84    | 219320   | 22.53    | ug/L | 0.00    |
| Spiked Amount                  | 25.000 | Range | 20 - 135 | Recovery | =    | 90.12%  |
| 33) 1,2-Dichloropropane-d6     | 9.28   | 67    | 74794    | 26.58    | ug/L | 0.00    |
| Spiked Amount                  | 25.000 | Range | 70 - 120 | Recovery | =    | 106.32% |
| 37) Toluene-d8                 | 10.33  | 98    | 194743   | 20.26    | ug/L | 0.00    |
| Spiked Amount                  | 25.000 | Range | 30 - 130 | Recovery | =    | 81.04%  |
| 38) trans-1,3-Dichloropropene- | 10.58  | 79    | 32477    | 21.97    | ug/L | 0.00    |
| Spiked Amount                  | 25.000 | Range | 30 - 135 | Recovery | =    | 87.88%  |
| 39) 2-Hexanone-d5              | 10.93  | 63    | 36027    | 54.67    | ug/L | 0.00    |
| Spiked Amount                  | 50.000 | Range | 20 - 135 | Recovery | =    | 109.34% |
| 48) 1,1,2,2-Tetrachloroethane- | 12.69  | 84    | 79941    | 29.24    | ug/L | 0.00    |
| Spiked Amount                  | 25.000 | Range | 45 - 120 | Recovery | =    | 116.96% |
| 61) 1,2-Dichlorobenzene-d4     | 13.86  | 152   | 75765    | 27.21    | ug/L | 0.00    |
| Spiked Amount                  | 25.000 | Range | 75 - 120 | Recovery | =    | 108.84% |

## Target Compounds

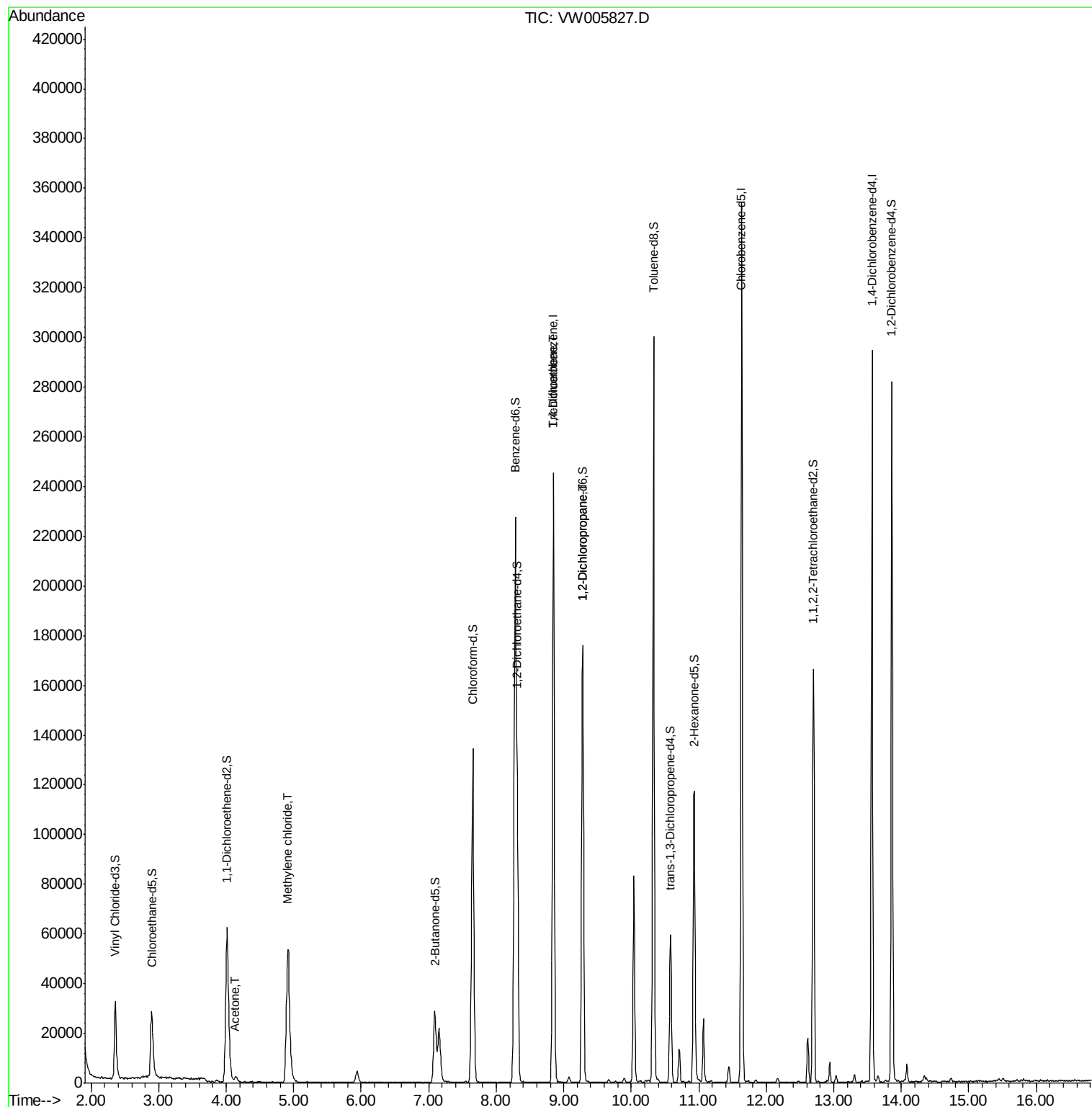
|                         |      |    |       |              | Ovalue |
|-------------------------|------|----|-------|--------------|--------|
| 13) Acetone             | 4.14 | 43 | 3116  | 3.697 ug/L   | 84     |
| 16) Methylene chloride  | 4.92 | 84 | 44807 | 13.742 ug/L  | 95     |
| 35) Trichloroethene     | 8.85 | 95 | 6419  | 2.159 ug/L # | 5      |
| 40) 1,2-Dichloropropane | 9.28 | 63 | 9241  | 3.412 ug/L # | 87     |

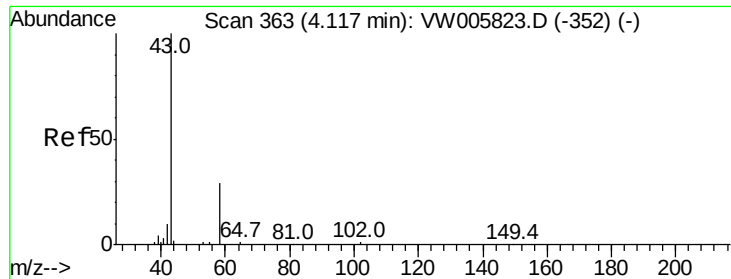
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA W\DATA\VW100318\  
Data File : VW005827.D  
Acq On : 03 Oct 2018 22:27  
Operator : SY/AP  
Sample : J5182-11  
Misc : 5.29G/105ML/MSVOA W/SOIL  
ALS Vial : 1 Sample Multiplier: 1

Instrument :  
MSVOA\_W  
ClientSampleId :

Quant Time: Oct 04 07:05:00 2018  
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA\_W\METHOD\SOM2WLM092818S.M  
Quant Title : VOC Analysis  
QLast Update : Thu Oct 04 07:04:02 2018  
Response via : Initial Calibration

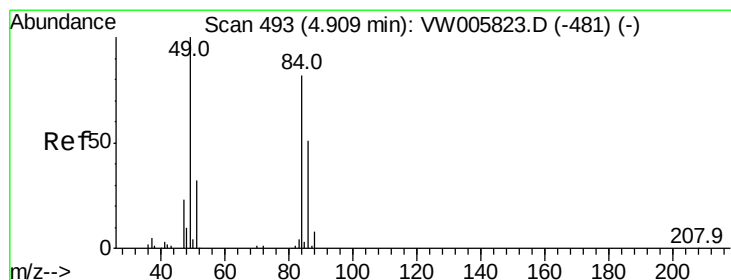
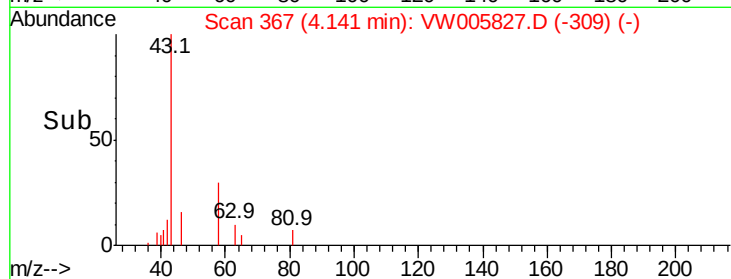
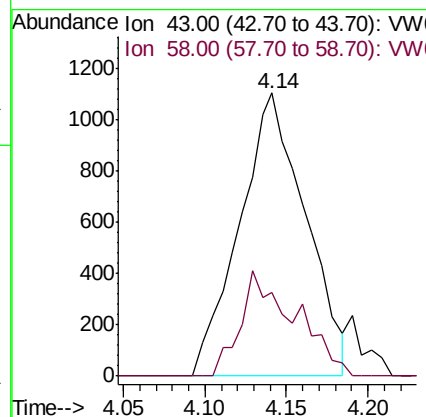
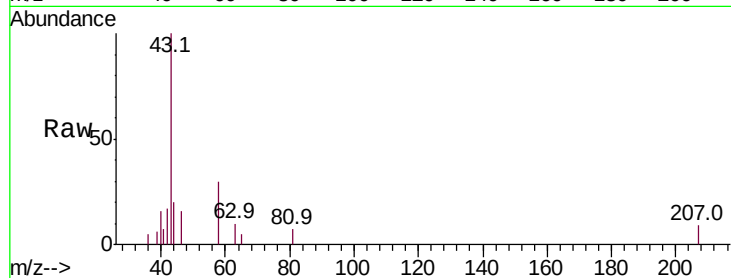




#13  
Acetone  
Concen: 3.697 ug/L  
RT: 4.14 min Scan# 367  
Delta R.T. 0.02 min  
Lab File: VW005827.D  
Acq: 03 Oct 2018 22:27

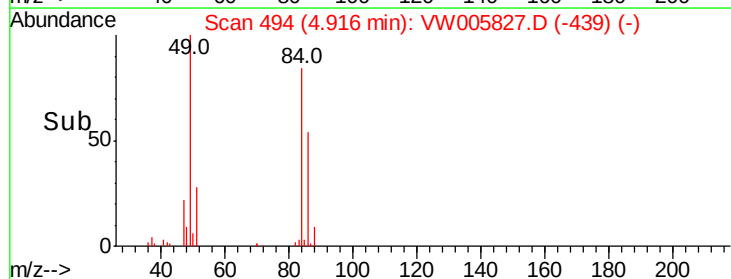
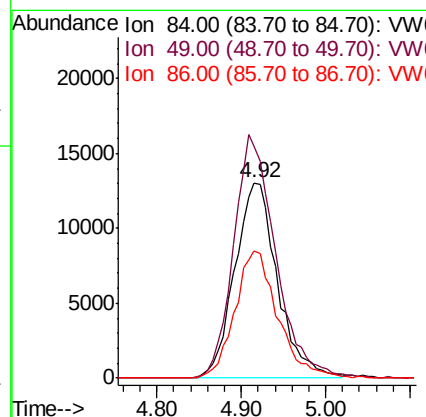
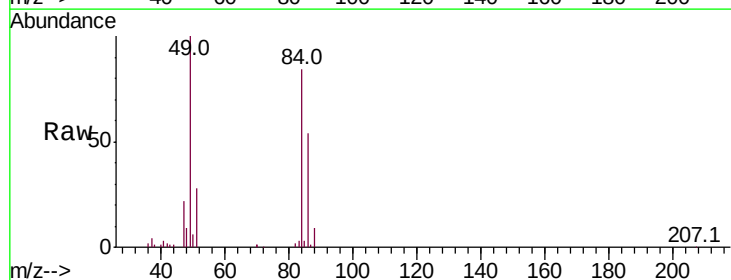
Instrument :  
MSVOA\_W  
ClientSampled :

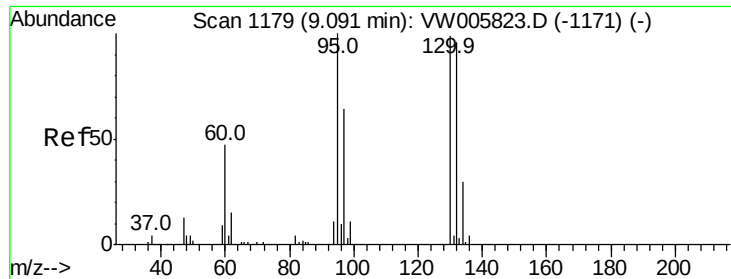
Tot Ion: 43 Resp: 3116  
Ion Ratio Lower Upper  
43 100  
58 22.6 0.0 31.8



#16  
Methylene chloride  
Concen: 13.742 ug/L  
RT: 4.92 min Scan# 494  
Delta R.T. 0.01 min  
Lab File: VW005827.D  
Acq: 03 Oct 2018 22:27

Tgt Ion: 84 Resp: 44807  
Ion Ratio Lower Upper  
84 100  
49 119.1 87.2 162.0  
86 64.7 43.2 80.2





#35

Trichloroethene

Concen: 2.159 ug/L

RT: 8.85 min Scan# 1139

Delta R.T. -0.24 min

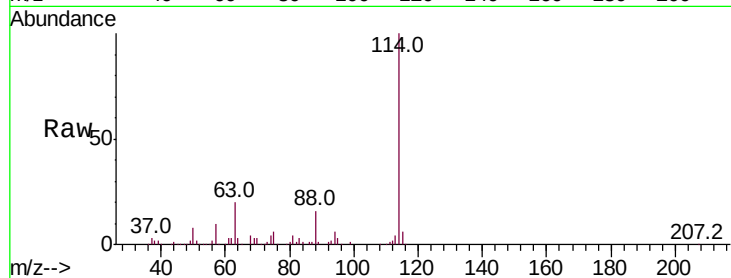
Lab File: VW005827.D

Acq: 03 Oct 2018 22:27

Instrument :

MSVOA\_W

ClientSampled :



Tot Ion: 95 Resp: 6419

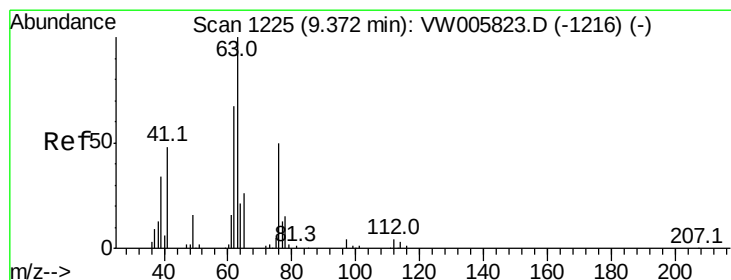
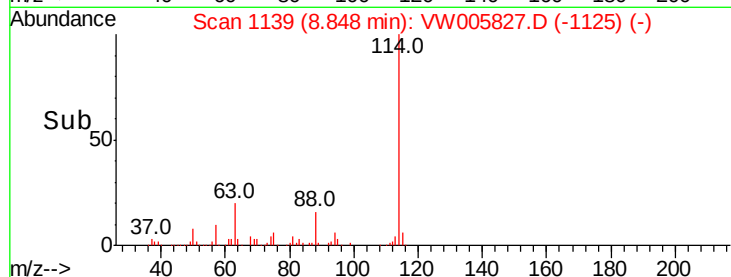
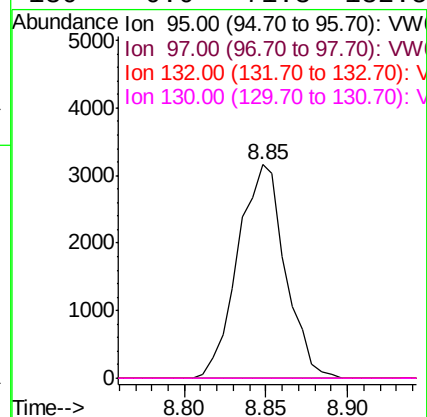
Ion Ratio Lower Upper

95 100

97 0.0 45.2 84.0#

132 0.0 68.0 126.4#

130 0.0 71.3 132.5#



#40

1,2-Dichloropropane

Concen: 3.412 ug/L

RT: 9.28 min Scan# 1210

Delta R.T. -0.09 min

Lab File: VW005827.D

Acq: 03 Oct 2018 22:27

Tgt Ion: 63 Resp: 9241

Ion Ratio Lower Upper

63 100

112 0.0 3.4 5.2#

