

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW121919\  
 Data File : VW014465.D  
 Acq On : 19 Dec 2019 18:43  
 Operator : SY/VA  
 Sample : K6277-19  
 Misc : 5.09G/10ML/MSVOA W/SOIL  
 ALS Vial : 1 Sample Multiplier: 1

Instrument :  
 MSVOA\_W  
 ClientSampleId :  
 VHBLK01

Manual Integrations  
 APPROVED

MMDadoda  
 12/20/2019 1:20:18 PM

Quant Time: Dec 20 02:42:19 2019  
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_W\METHOD\SOM2WLM120519S.M  
 Quant Title : VOC Analysis  
 QLast Update : Fri Dec 20 01:12:43 2019  
 Response via : Initial Calibration

| Internal Standards         | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|----------------------------|-------|------|----------|-------|-------|----------|
| 1) 1,4-Difluorobenzene     | 8.84  | 114  | 983132   | 25.00 | ug/L  | 0.00     |
| 28) Chlorobenzene-d5       | 11.63 | 117  | 905002   | 25.00 | ug/L  | 0.00     |
| 60) 1,4-Dichlorobenzene-d4 | 13.55 | 152  | 394892   | 25.00 | ug/L  | 0.00     |

## System Monitoring Compounds

|                                |        |       |          |          |      |         |
|--------------------------------|--------|-------|----------|----------|------|---------|
| 4) Vinyl Chloride-d3           | 2.35   | 65    | 274771   | 18.46    | ug/L | 0.00    |
| Spiked Amount                  | 25.000 | Range | 30 - 150 | Recovery | =    | 73.84%  |
| 7) Chloroethane-d5             | 2.89   | 69    | 243272   | 21.98    | ug/L | 0.00    |
| Spiked Amount                  | 25.000 | Range | 30 - 150 | Recovery | =    | 87.92%  |
| 10) 1,1-Dichloroethene-d2      | 4.01   | 63    | 412104m  | 15.67    | ug/L | 0.00    |
| Spiked Amount                  | 25.000 | Range | 45 - 110 | Recovery | =    | 62.68%  |
| 20) 2-Butanone-d5              | 7.07   | 46    | 222832   | 57.44    | ug/L | 0.00    |
| Spiked Amount                  | 50.000 | Range | 20 - 135 | Recovery | =    | 114.88% |
| 24) Chloroform-d               | 7.65   | 84    | 601933   | 24.05    | ug/L | 0.00    |
| Spiked Amount                  | 25.000 | Range | 40 - 150 | Recovery | =    | 96.20%  |
| 26) 1,2-Dichloroethane-d4      | 8.30   | 65    | 341668   | 26.03    | ug/L | 0.00    |
| Spiked Amount                  | 25.000 | Range | 70 - 130 | Recovery | =    | 104.12% |
| 29) Benzene-d6                 | 8.27   | 84    | 1210914  | 22.83    | ug/L | 0.00    |
| Spiked Amount                  | 25.000 | Range | 20 - 135 | Recovery | =    | 91.32%  |
| 33) 1,2-Dichloropropane-d6     | 9.27   | 67    | 394055   | 24.15    | ug/L | 0.00    |
| Spiked Amount                  | 25.000 | Range | 70 - 120 | Recovery | =    | 96.60%  |
| 37) Toluene-d8                 | 10.32  | 98    | 1069047  | 22.29    | ug/L | 0.00    |
| Spiked Amount                  | 25.000 | Range | 30 - 130 | Recovery | =    | 89.16%  |
| 38) trans-1,3-Dichloropropene- | 10.57  | 79    | 149425   | 21.83    | ug/L | 0.00    |
| Spiked Amount                  | 25.000 | Range | 30 - 135 | Recovery | =    | 87.32%  |
| 39) 2-Hexanone-d5              | 10.92  | 63    | 170562   | 52.57    | ug/L | 0.00    |
| Spiked Amount                  | 50.000 | Range | 20 - 135 | Recovery | =    | 105.14% |
| 48) 1,1,2,2-Tetrachloroethane- | 12.69  | 84    | 339313   | 25.52    | ug/L | 0.00    |
| Spiked Amount                  | 25.000 | Range | 45 - 120 | Recovery | =    | 102.08% |
| 61) 1,2-Dichlorobenzene-d4     | 13.85  | 152   | 370455   | 24.55    | ug/L | 0.00    |
| Spiked Amount                  | 25.000 | Range | 75 - 120 | Recovery | =    | 98.20%  |

| Target Compounds       |      |    |       |            | Ovalue |
|------------------------|------|----|-------|------------|--------|
| 13) Acetone            | 4.12 | 43 | 18593 | 4.971 ug/L | 78     |
| 16) Methylene chloride | 4.92 | 84 | 27827 | 1.846 ug/L | 82     |

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

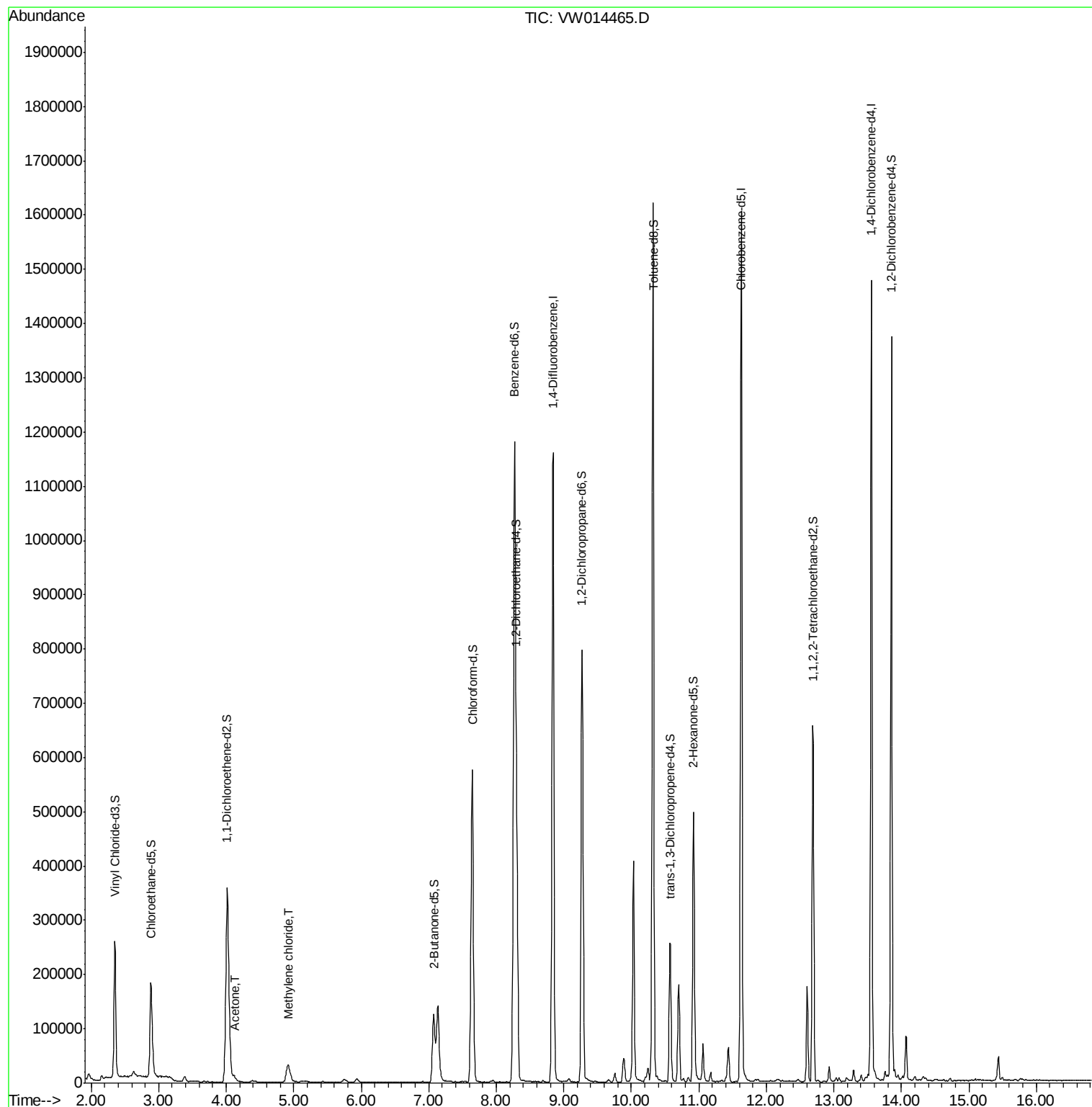
Data Path : Z:\V0ASRV\HPCHEM1\MSVOA W\DATA\VW121919\  
Data File : VW014465.D  
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ALS Vial : 1 Sample Multiplier: 1

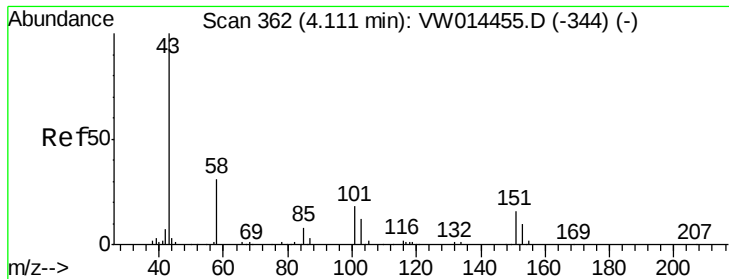
Instrument :  
MSVOA\_W  
ClientSampleId :  
VHBLK01

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Quant Time: Dec 20 02:42:19 2019  
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA\_W\METHOD\SOM2WLM120519S.M  
Quant Title : VOC Analysis  
QLast Update : Fri Dec 20 01:12:43 2019  
Response via : Initial Calibration





#13

Acetone

Concen: 4.971 ug/L

RT: 4.12 min Scan# 364

Delta R.T. 0.01 min

Lab File: VW014465.D

Acq: 19 Dec 2019 18:43

Instrument :

MSVOA\_W

ClientSampleId :

VHBLK01

Tot Ion: 43 Resp: 18593

Ion Ratio Lower Upper

43 100

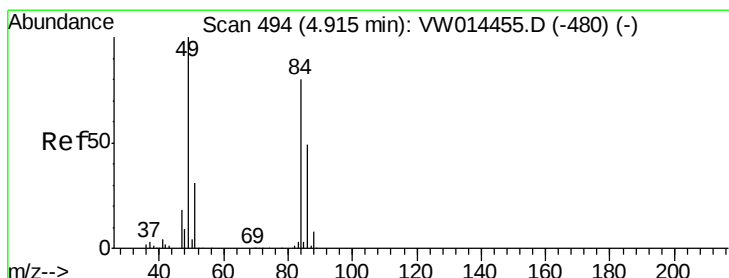
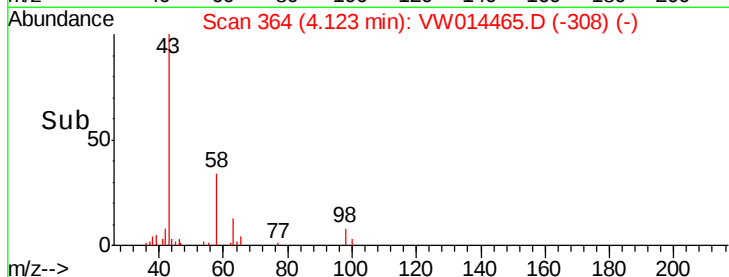
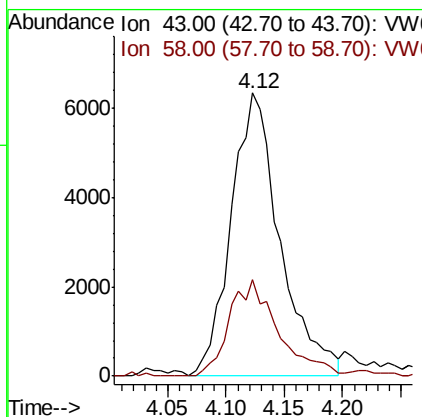
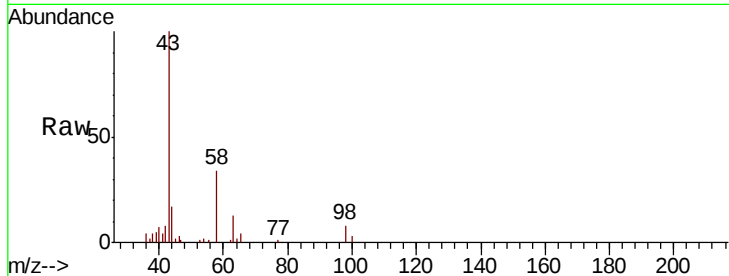
58 20.5 0.0 65.4

Manual Integrations

APPROVED

MMDadoda

12/20/2019 1:20:18 PM



#16

Methylene chloride

Concen: 1.846 ug/L

RT: 4.92 min Scan# 494

Delta R.T. -0.00 min

Lab File: VW014465.D

Acq: 19 Dec 2019 18:43

Tgt Ion: 84 Resp: 27827

Ion Ratio Lower Upper

84 100

49 139.7 84.2 156.4

86 76.6 43.7 81.1

