

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW121719\  
 Data File : VW014415.D  
 Acq On : 18 Dec 2019 01:46  
 Operator : SY/VA  
 Sample : K6279-11  
 Misc : 4.81G/10ML/MSVOA W/SOIL  
 ALS Vial : 1 Sample Multiplier: 1

Instrument :  
 MSVOA\_W  
 ClientSampleId :  
 BFEY5

Manual Integrations  
 APPROVED

MMDadoda  
 12/18/2019 3:36:07 PM

Quant Time: Dec 18 04:52:26 2019  
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_W\METHOD\SOM2WLM120519S.M  
 Quant Title : VOC Analysis  
 QLast Update : Wed Dec 18 03:31:53 2019  
 Response via : Initial Calibration

| Internal Standards         | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|----------------------------|-------|------|----------|-------|-------|----------|
| 1) 1,4-Difluorobenzene     | 8.84  | 114  | 632404   | 25.00 | ug/L  | 0.00     |
| 28) Chlorobenzene-d5       | 11.63 | 117  | 520485   | 25.00 | ug/L  | 0.00     |
| 60) 1,4-Dichlorobenzene-d4 | 13.55 | 152  | 136781   | 25.00 | ug/L  | 0.00     |

## System Monitoring Compounds

|                                |        |       |          |          |      |          |
|--------------------------------|--------|-------|----------|----------|------|----------|
| 4) Vinyl Chloride-d3           | 2.35   | 65    | 181875   | 18.99    | ug/L | 0.00     |
| Spiked Amount                  | 25.000 | Range | 30 - 150 | Recovery | =    | 75.96%   |
| 7) Chloroethane-d5             | 2.89   | 69    | 167661   | 23.55    | ug/L | 0.00     |
| Spiked Amount                  | 25.000 | Range | 30 - 150 | Recovery | =    | 94.20%   |
| 10) 1,1-Dichloroethene-d2      | 4.01   | 63    | 258907   | 15.31    | ug/L | -0.01    |
| Spiked Amount                  | 25.000 | Range | 45 - 110 | Recovery | =    | 61.24%   |
| 20) 2-Butanone-d5              | 7.07   | 46    | 66934    | 26.82    | ug/L | 0.00     |
| Spiked Amount                  | 50.000 | Range | 20 - 135 | Recovery | =    | 53.64%   |
| 24) Chloroform-d               | 7.65   | 84    | 432558   | 26.86    | ug/L | 0.00     |
| Spiked Amount                  | 25.000 | Range | 40 - 150 | Recovery | =    | 107.44%  |
| 26) 1,2-Dichloroethane-d4      | 8.30   | 65    | 251870   | 29.84    | ug/L | 0.00     |
| Spiked Amount                  | 25.000 | Range | 70 - 130 | Recovery | =    | 119.36%  |
| 29) Benzene-d6                 | 8.27   | 84    | 818738   | 26.84    | ug/L | 0.00     |
| Spiked Amount                  | 25.000 | Range | 20 - 135 | Recovery | =    | 107.36%  |
| 33) 1,2-Dichloropropane-d6     | 9.27   | 67    | 286112   | 30.49    | ug/L | 0.00     |
| Spiked Amount                  | 25.000 | Range | 70 - 120 | Recovery | =    | 121.96%# |
| 37) Toluene-d8                 | 10.32  | 98    | 620852   | 22.51    | ug/L | 0.00     |
| Spiked Amount                  | 25.000 | Range | 30 - 130 | Recovery | =    | 90.04%   |
| 38) trans-1,3-Dichloropropene- | 10.57  | 79    | 61970    | 15.74    | ug/L | 0.00     |
| Spiked Amount                  | 25.000 | Range | 30 - 135 | Recovery | =    | 62.96%   |
| 39) 2-Hexanone-d5              | 10.92  | 63    | 43054    | 23.07    | ug/L | 0.00     |
| Spiked Amount                  | 50.000 | Range | 20 - 135 | Recovery | =    | 46.14%   |
| 48) 1,1,2,2-Tetrachloroethane- | 12.69  | 84    | 196948   | 25.75    | ug/L | 0.00     |
| Spiked Amount                  | 25.000 | Range | 45 - 120 | Recovery | =    | 103.00%  |
| 61) 1,2-Dichlorobenzene-d4     | 13.85  | 152   | 128896   | 24.66    | ug/L | 0.00     |
| Spiked Amount                  | 25.000 | Range | 75 - 120 | Recovery | =    | 98.64%   |

| Target Compounds       |      |    |        |             | Ovalue |
|------------------------|------|----|--------|-------------|--------|
| 13) Acetone            | 4.12 | 43 | 34468  | 14.326 ug/L | 98     |
| 16) Methylene chloride | 4.92 | 84 | 23512  | 2.425 ug/L  | 87     |
| 21) 2-Butanone         | 7.13 | 43 | 32635m | 10.103 ug/L |        |

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

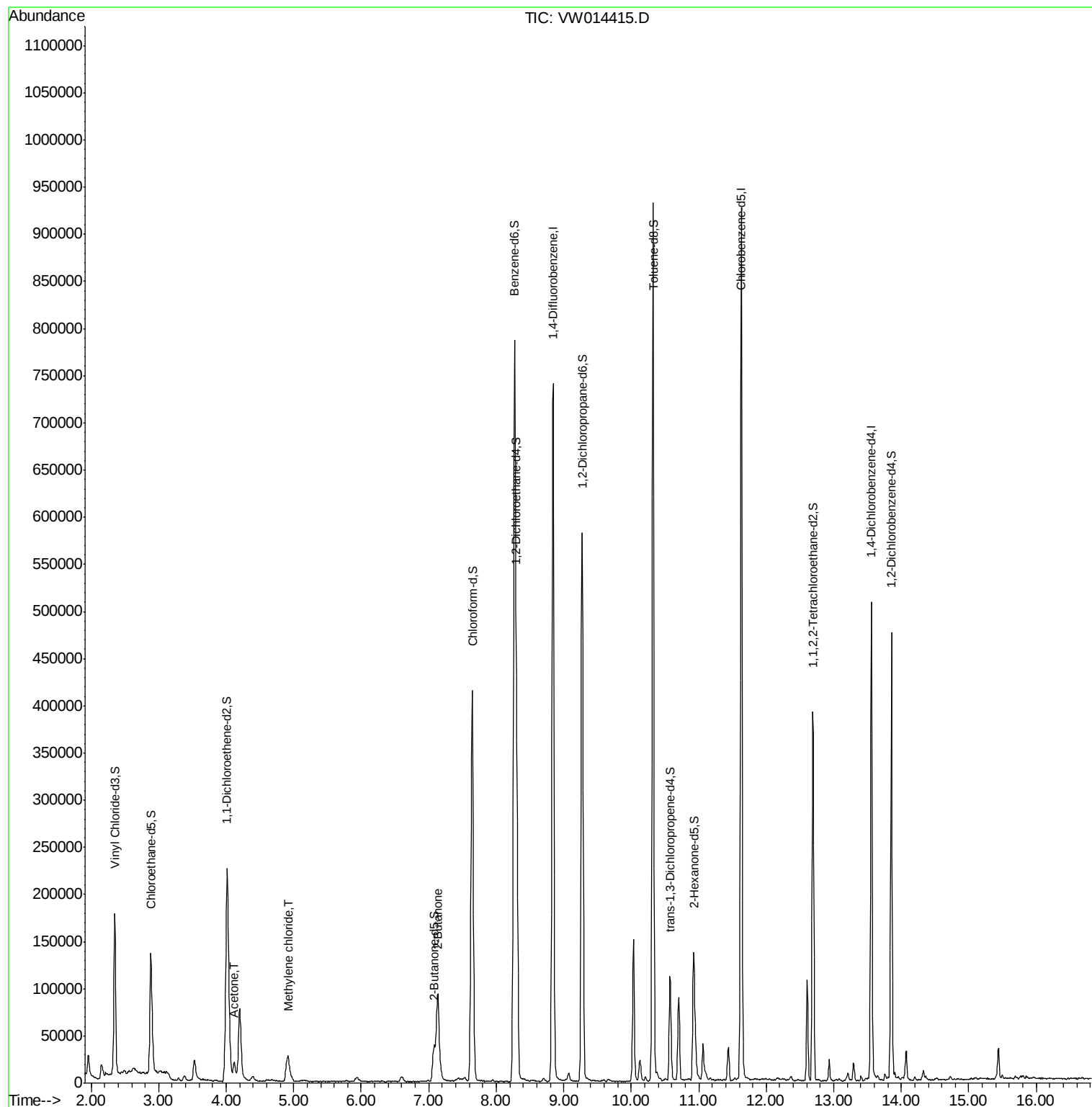
Data Path : Z:\V0ASRV\HPCHEM1\MSVOA W\DATA\VW121719\  
Data File : VW014415.D  
Acq On : 18 Dec 2019 01:46  
Operator : SY/VA  
Sample : K6279-11  
Misc : 4.81G/10ML/MSVOA W/SOIL  
ALS Vial : 1 Sample Multiplier: 1

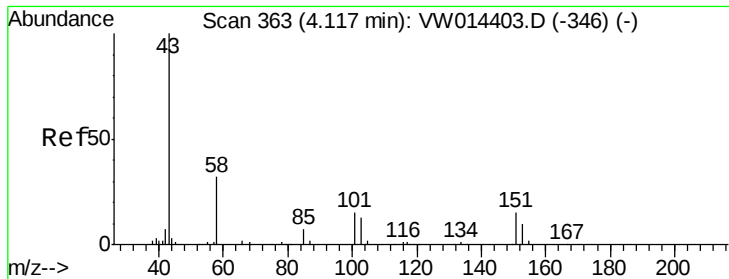
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Quant Title : VOC Analysis  
QLast Update : Wed Dec 18 03:31:53 2019  
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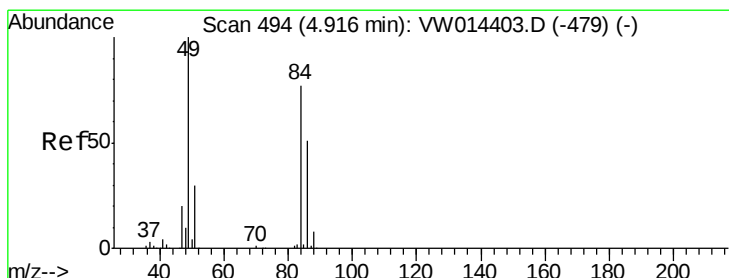
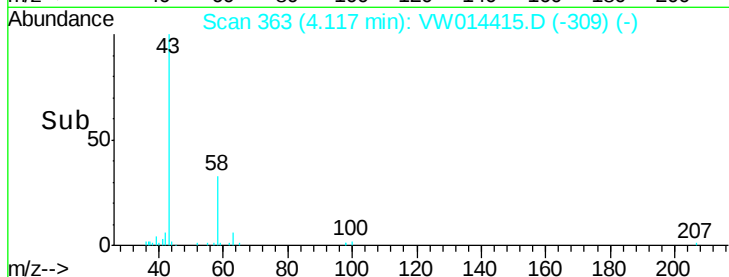
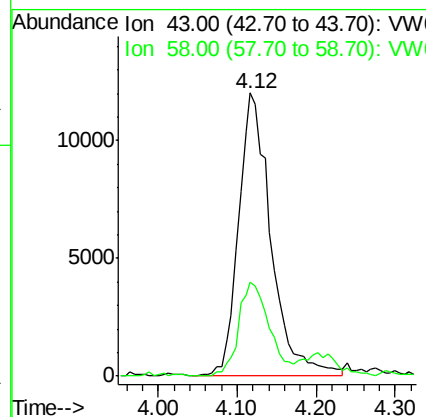
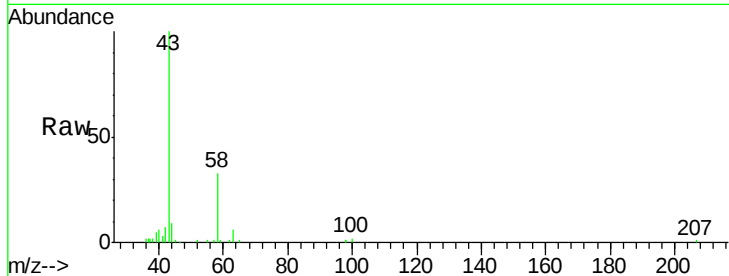
#13  
Acetone  
Concen: 14.326 ug/L  
RT: 4.12 min Scan# 363  
Delta R.T. -0.00 min  
Lab File: VW014415.D  
Acq: 18 Dec 2019 01:46

Instrument :  
MSVOA\_W  
ClientSampleId :  
BFEY5

| Tot Ion   | 43    | Resp  | 34468 |
|-----------|-------|-------|-------|
| Ion Ratio | Lower | Upper |       |
| 43        | 100   |       |       |
| 58        | 31.6  | 0.0   | 65.4  |

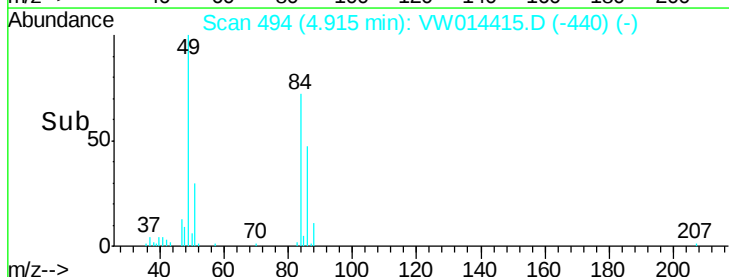
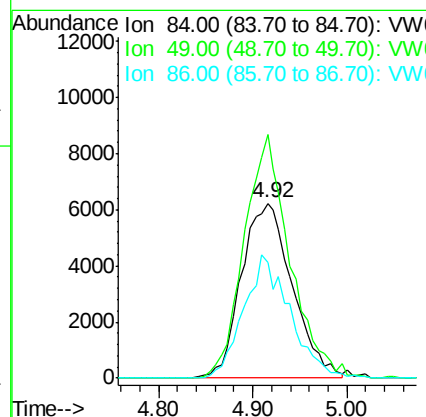
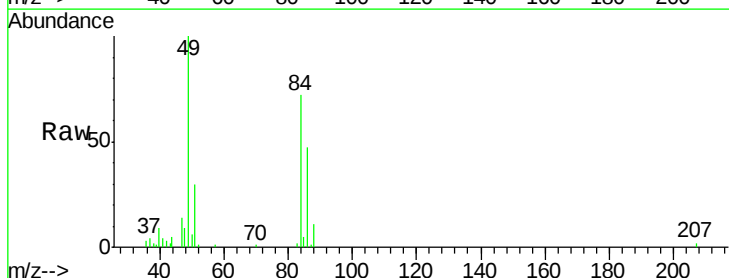
Manual Integrations  
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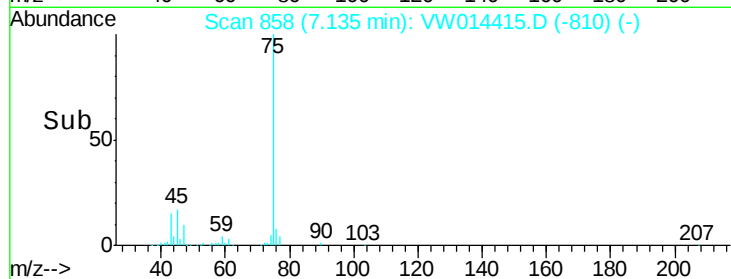
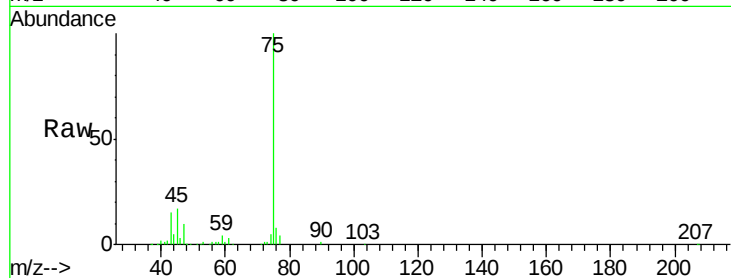
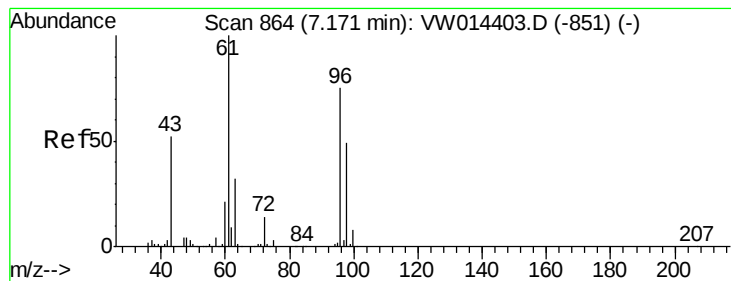
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#16  
Methylene chloride  
Concen: 2.425 ug/L  
RT: 4.92 min Scan# 494  
Delta R.T. -0.00 min  
Lab File: VW014415.D  
Acq: 18 Dec 2019 01:46

| Tgt Ion   | 84    | Resp  | 23512 |
|-----------|-------|-------|-------|
| Ion Ratio | Lower | Upper |       |
| 84        | 100   |       |       |
| 49        | 139.3 | 84.2  | 156.4 |
| 86        | 66.1  | 43.7  | 81.1  |





#21

2-Butanone

Concen: 10.103 ug/L m

RT: 7.13 min Scan# 858

Delta R.T. -0.04 min

Lab File: VW014415.D

Acq: 18 Dec 2019 01:46

Tot Ion: 43 Resp: 32635

Ion Ratio Lower Upper

43 100

72 0.2 14.1 42.2#

Instrument :

MSVOA\_W

ClientSampleId :

BFEY5

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