

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\WV121219\  
 Data File : VW014333.D  
 Acq On : 12 Dec 2019 18:21  
 Operator : SY/VA  
 Sample : K6236-23  
 Misc : 5.43G/10ML/MSVOA W/SOIL  
 ALS Vial : 2 Sample Multiplier: 1

Instrument :  
 MSVOA\_W  
 ClientSampleId :  
 BFEY8

Quant Time: Dec 13 06:11:40 2019  
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_W\METHOD\SOM2WLM120519S.M  
 Quant Title : VOC Analysis  
 QLast Update : Fri Dec 13 06:08:10 2019  
 Response via : Initial Calibration

| Internal Standards         | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|----------------------------|-------|------|----------|-------|-------|----------|
| 1) 1,4-Difluorobenzene     | 8.84  | 114  | 1173111  | 25.00 | ug/L  | 0.00     |
| 28) Chlorobenzene-d5       | 11.63 | 117  | 1004239  | 25.00 | ug/L  | 0.00     |
| 60) 1,4-Dichlorobenzene-d4 | 13.55 | 152  | 382160   | 25.00 | ug/L  | 0.00     |

## System Monitoring Compounds

|                                |        |       |          |          |      |         |
|--------------------------------|--------|-------|----------|----------|------|---------|
| 4) Vinyl Chloride-d3           | 2.35   | 65    | 362532   | 20.41    | ug/L | 0.00    |
| Spiked Amount                  | 25.000 | Range | 30 - 150 | Recovery | =    | 81.64%  |
| 7) Chloroethane-d5             | 2.89   | 69    | 292531   | 22.15    | ug/L | 0.00    |
| Spiked Amount                  | 25.000 | Range | 30 - 150 | Recovery | =    | 88.60%  |
| 10) 1,1-Dichloroethene-d2      | 4.01   | 63    | 508802   | 16.22    | ug/L | 0.00    |
| Spiked Amount                  | 25.000 | Range | 45 - 110 | Recovery | =    | 64.88%  |
| 20) 2-Butanone-d5              | 7.07   | 46    | 151528   | 32.73    | ug/L | 0.00    |
| Spiked Amount                  | 50.000 | Range | 20 - 135 | Recovery | =    | 65.46%  |
| 24) Chloroform-d               | 7.65   | 84    | 680678   | 22.79    | ug/L | 0.00    |
| Spiked Amount                  | 25.000 | Range | 40 - 150 | Recovery | =    | 91.16%  |
| 26) 1,2-Dichloroethane-d4      | 8.30   | 65    | 352465   | 22.51    | ug/L | 0.00    |
| Spiked Amount                  | 25.000 | Range | 70 - 130 | Recovery | =    | 90.04%  |
| 29) Benzene-d6                 | 8.27   | 84    | 1448312  | 24.61    | ug/L | 0.00    |
| Spiked Amount                  | 25.000 | Range | 20 - 135 | Recovery | =    | 98.44%  |
| 33) 1,2-Dichloropropane-d6     | 9.27   | 67    | 457781   | 25.28    | ug/L | 0.00    |
| Spiked Amount                  | 25.000 | Range | 70 - 120 | Recovery | =    | 101.12% |
| 37) Toluene-d8                 | 10.32  | 98    | 1236370  | 23.23    | ug/L | 0.00    |
| Spiked Amount                  | 25.000 | Range | 30 - 130 | Recovery | =    | 92.92%  |
| 38) trans-1,3-Dichloropropene- | 10.57  | 79    | 140069   | 18.44    | ug/L | 0.00    |
| Spiked Amount                  | 25.000 | Range | 30 - 135 | Recovery | =    | 73.76%  |
| 39) 2-Hexanone-d5              | 10.92  | 63    | 116907   | 32.47    | ug/L | 0.00    |
| Spiked Amount                  | 50.000 | Range | 20 - 135 | Recovery | =    | 64.94%  |
| 48) 1,1,2,2-Tetrachloroethane- | 12.69  | 84    | 299900   | 20.32    | ug/L | 0.00    |
| Spiked Amount                  | 25.000 | Range | 45 - 120 | Recovery | =    | 81.28%  |
| 61) 1,2-Dichlorobenzene-d4     | 13.85  | 152   | 334642   | 22.92    | ug/L | 0.00    |
| Spiked Amount                  | 25.000 | Range | 75 - 120 | Recovery | =    | 91.68%  |

## Target Compounds

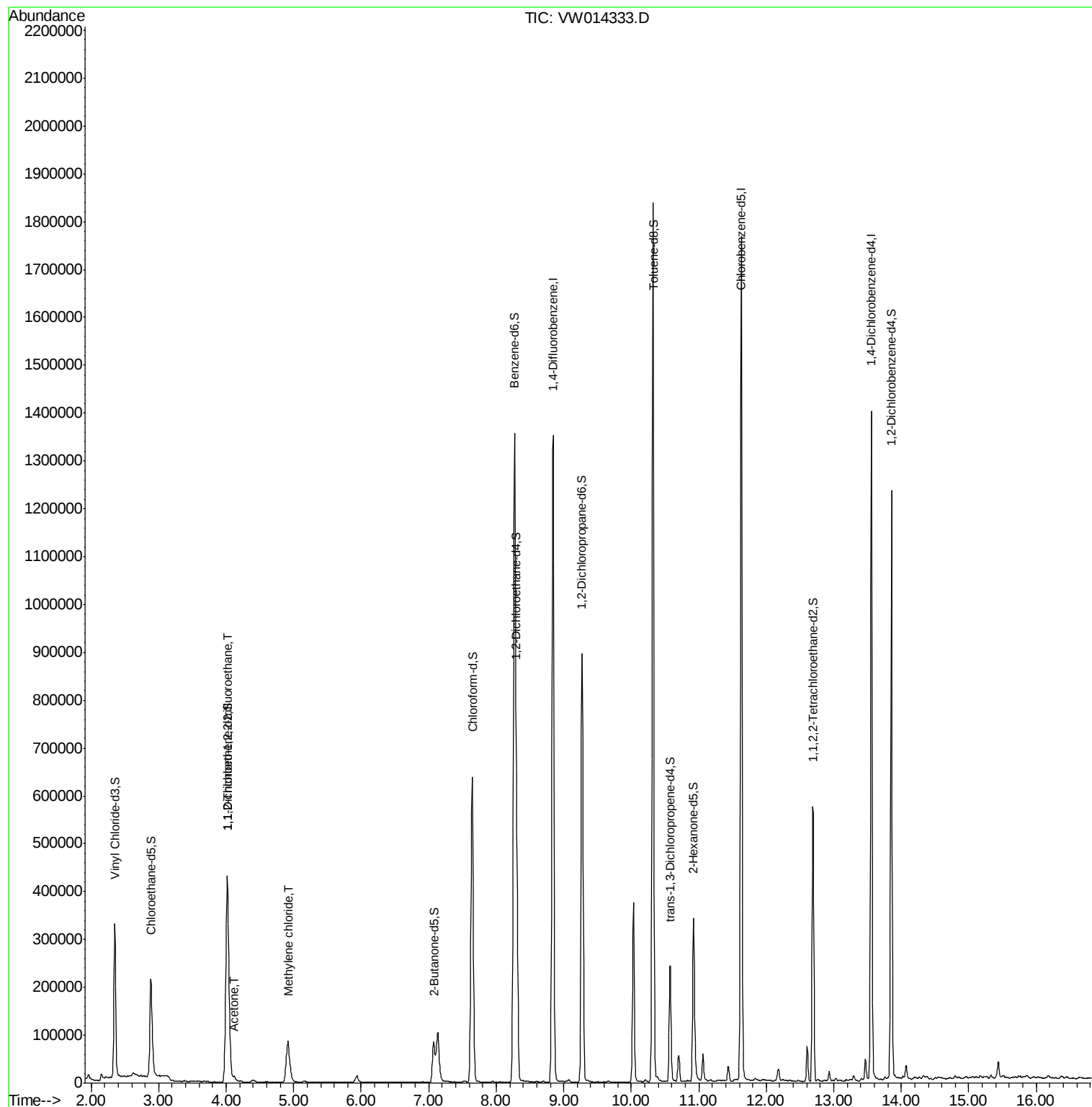
|                                |      |     |       |            | Ovalue |
|--------------------------------|------|-----|-------|------------|--------|
| 11) 1,1,2-Trichloro-1,2,2-trif | 4.02 | 101 | 5549  | 0.359 ug/L | # 17   |
| 13) Acetone                    | 4.12 | 43  | 17201 | 3.854 ug/L | 99     |
| 16) Methylene chloride         | 4.92 | 84  | 74400 | 4.137 ug/L | 98     |

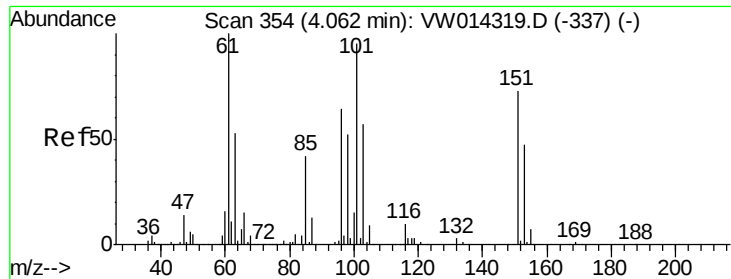
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Response via : Initial Calibration





#11

1,1,2-Trichloro-1,2,2-trifluoroethane

Concen: 0.359 ug/L

RT: 4.02 min Scan# 347

Delta R.T. -0.04 min

Lab File: VW014333.D

Acq: 12 Dec 2019 18:21

Instrument :

MSVOA\_W

ClientSampleId :

BFEY8

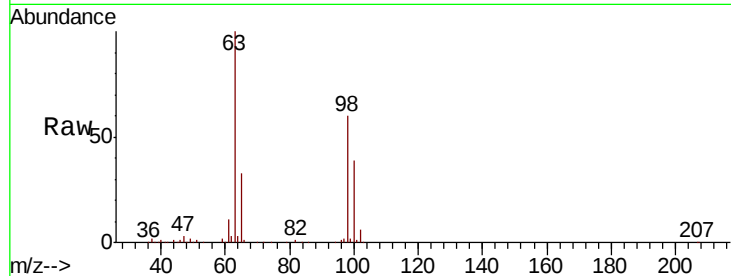
Tot Ion:101 Resp: 5549

Ion Ratio Lower Upper

101 100

85 0.0 31.4 47.2#

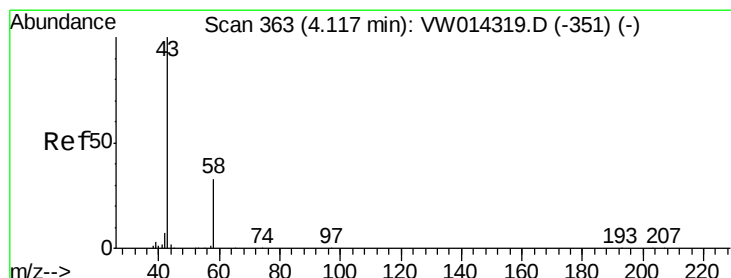
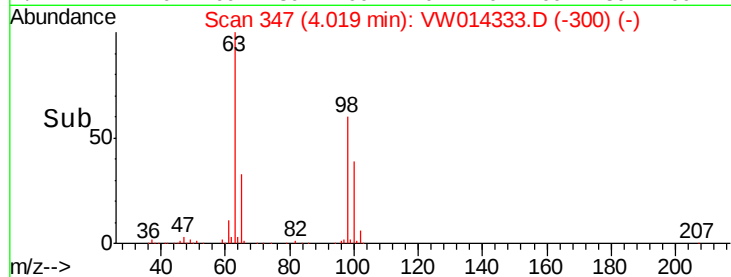
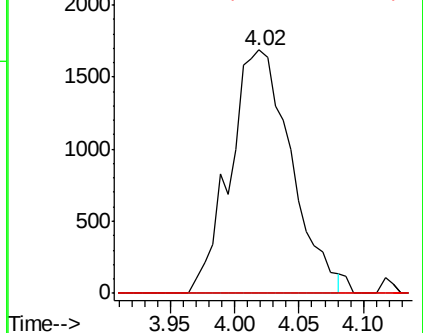
151 0.0 66.9 100.3#



Abundance Ion 101.00 (100.70 to 101.70): V

Ion 85.00 (84.70 to 85.70): VW

Ion 151.00 (150.70 to 151.70): V



#13

Acetone

Concen: 3.854 ug/L

RT: 4.12 min Scan# 363

Delta R.T. -0.00 min

Lab File: VW014333.D

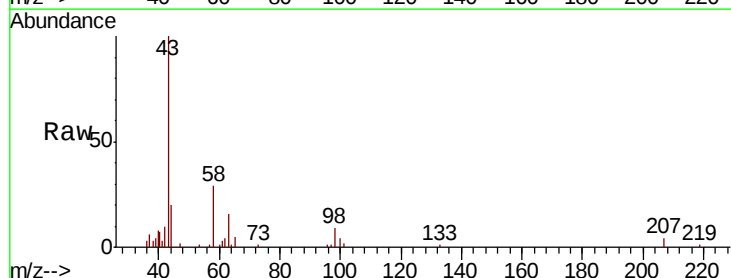
Acq: 12 Dec 2019 18:21

Tgt Ion: 43 Resp: 17201

Ion Ratio Lower Upper

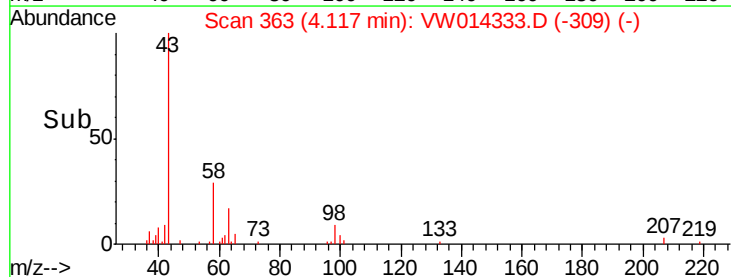
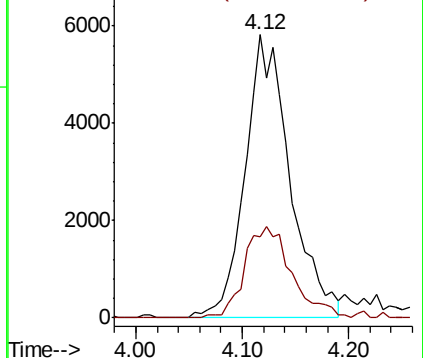
43 100

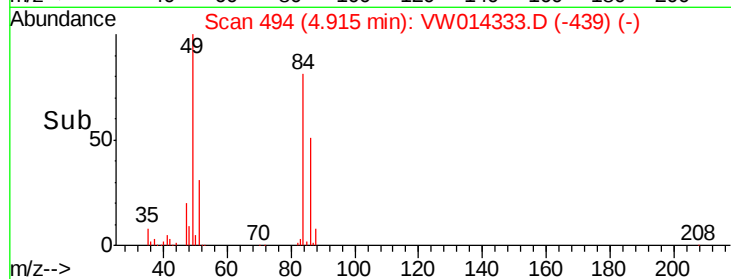
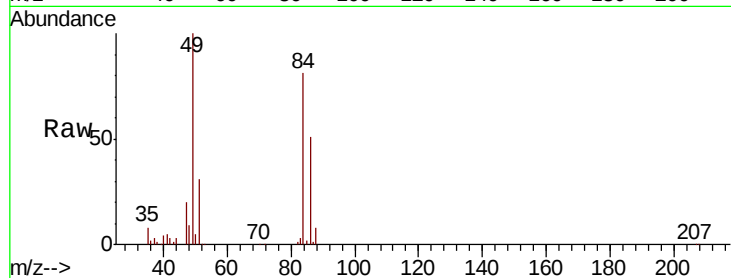
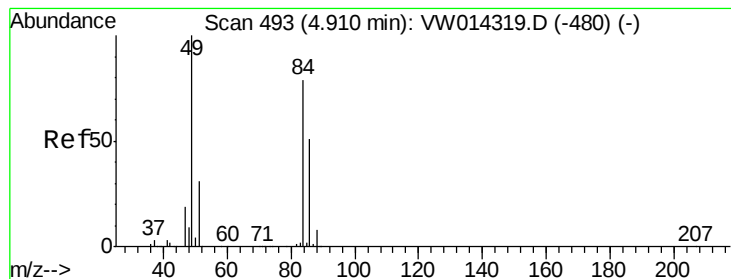
58 33.4 0.0 65.4



Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 58.00 (57.70 to 58.70): VW





#16

Methylene chloride

Concen: 4.137 ug/L

RT: 4.92 min Scan# 494

Delta R.T. 0.01 min

Lab File: VW014333.D

Acq: 12 Dec 2019 18:21

Instrument :

MSVOA\_W

ClientSampleId :

BFEY8

Tot Ion: 84 Resp: 74400

Ion Ratio Lower Upper

84 100

49 123.4 84.2 156.4

86 63.5 43.7 81.1

