

Data Path : Z:\VOASRV\HPCHEM1\MSVOA\_W\DATA\VW040619\  
 Data File : VW009784.D  
 Acq On : 06 Apr 2019 22:03  
 Operator : SY/VA  
 Sample : K2217-02  
 Misc : 5.13G/10ML/MSVOA\_W/SOIL  
 ALS Vial : 1 Sample Multiplier: 1

Instrument :  
 MSVOA\_W  
 ClientSampleId :  
 BF613

Quant Time: Apr 07 05:39:33 2019  
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_W\METHOD\SOM2WLM040319S.M  
 Quant Title : VOC Analysis  
 QLast Update : Sun Apr 07 05:36:41 2019  
 Response via : Initial Calibration

| Internal Standards         | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|----------------------------|-------|------|----------|-------|-------|----------|
| 1) 1,4-Difluorobenzene     | 8.84  | 114  | 354964   | 25.00 | ug/L  | 0.00     |
| 28) Chlorobenzene-d5       | 11.63 | 117  | 352823   | 25.00 | ug/L  | 0.00     |
| 60) 1,4-Dichlorobenzene-d4 | 13.56 | 152  | 151495   | 25.00 | ug/L  | 0.00     |

## System Monitoring Compounds

|                                |        |       |          |          |      |          |
|--------------------------------|--------|-------|----------|----------|------|----------|
| 4) Vinyl Chloride-d3           | 2.36   | 65    | 112666   | 24.26    | ug/L | 0.00     |
| Spiked Amount                  | 25.000 | Range | 30 - 150 | Recovery | =    | 97.04%   |
| 7) Chloroethane-d5             | 2.89   | 69    | 104190   | 24.48    | ug/L | 0.00     |
| Spiked Amount                  | 25.000 | Range | 30 - 150 | Recovery | =    | 97.92%   |
| 10) 1,1-Dichloroethene-d2      | 4.01   | 63    | 202394   | 20.26    | ug/L | -0.01    |
| Spiked Amount                  | 25.000 | Range | 45 - 110 | Recovery | =    | 81.04%   |
| 20) 2-Butanone-d5              | 7.08   | 46    | 106625   | 70.70    | ug/L | 0.00     |
| Spiked Amount                  | 50.000 | Range | 20 - 135 | Recovery | =    | 141.40%# |
| 24) Chloroform-d               | 7.64   | 84    | 270953   | 27.97    | ug/L | 0.00     |
| Spiked Amount                  | 25.000 | Range | 40 - 150 | Recovery | =    | 111.88%  |
| 26) 1,2-Dichloroethane-d4      | 8.30   | 65    | 184146   | 30.97    | ug/L | 0.00     |
| Spiked Amount                  | 25.000 | Range | 70 - 130 | Recovery | =    | 123.88%  |
| 29) Benzene-d6                 | 8.27   | 84    | 506676   | 27.36    | ug/L | 0.00     |
| Spiked Amount                  | 25.000 | Range | 20 - 135 | Recovery | =    | 109.44%  |
| 33) 1,2-Dichloropropane-d6     | 9.27   | 67    | 160587   | 28.07    | ug/L | 0.00     |
| Spiked Amount                  | 25.000 | Range | 70 - 120 | Recovery | =    | 112.28%  |
| 37) Toluene-d8                 | 10.32  | 98    | 455960   | 26.63    | ug/L | 0.00     |
| Spiked Amount                  | 25.000 | Range | 30 - 130 | Recovery | =    | 106.52%  |
| 38) trans-1,3-Dichloropropene- | 10.58  | 79    | 70491    | 25.84    | ug/L | 0.00     |
| Spiked Amount                  | 25.000 | Range | 30 - 135 | Recovery | =    | 103.36%  |
| 39) 2-Hexanone-d5              | 10.93  | 63    | 68080    | 63.14    | ug/L | 0.00     |
| Spiked Amount                  | 50.000 | Range | 20 - 135 | Recovery | =    | 126.28%  |
| 48) 1,1,2,2-Tetrachloroethane- | 12.69  | 84    | 160151   | 30.11    | ug/L | 0.00     |
| Spiked Amount                  | 25.000 | Range | 45 - 120 | Recovery | =    | 120.44%# |
| 61) 1,2-Dichlorobenzene-d4     | 13.85  | 152   | 167409   | 31.49    | ug/L | 0.00     |
| Spiked Amount                  | 25.000 | Range | 75 - 120 | Recovery | =    | 125.96%# |

## Target Compounds

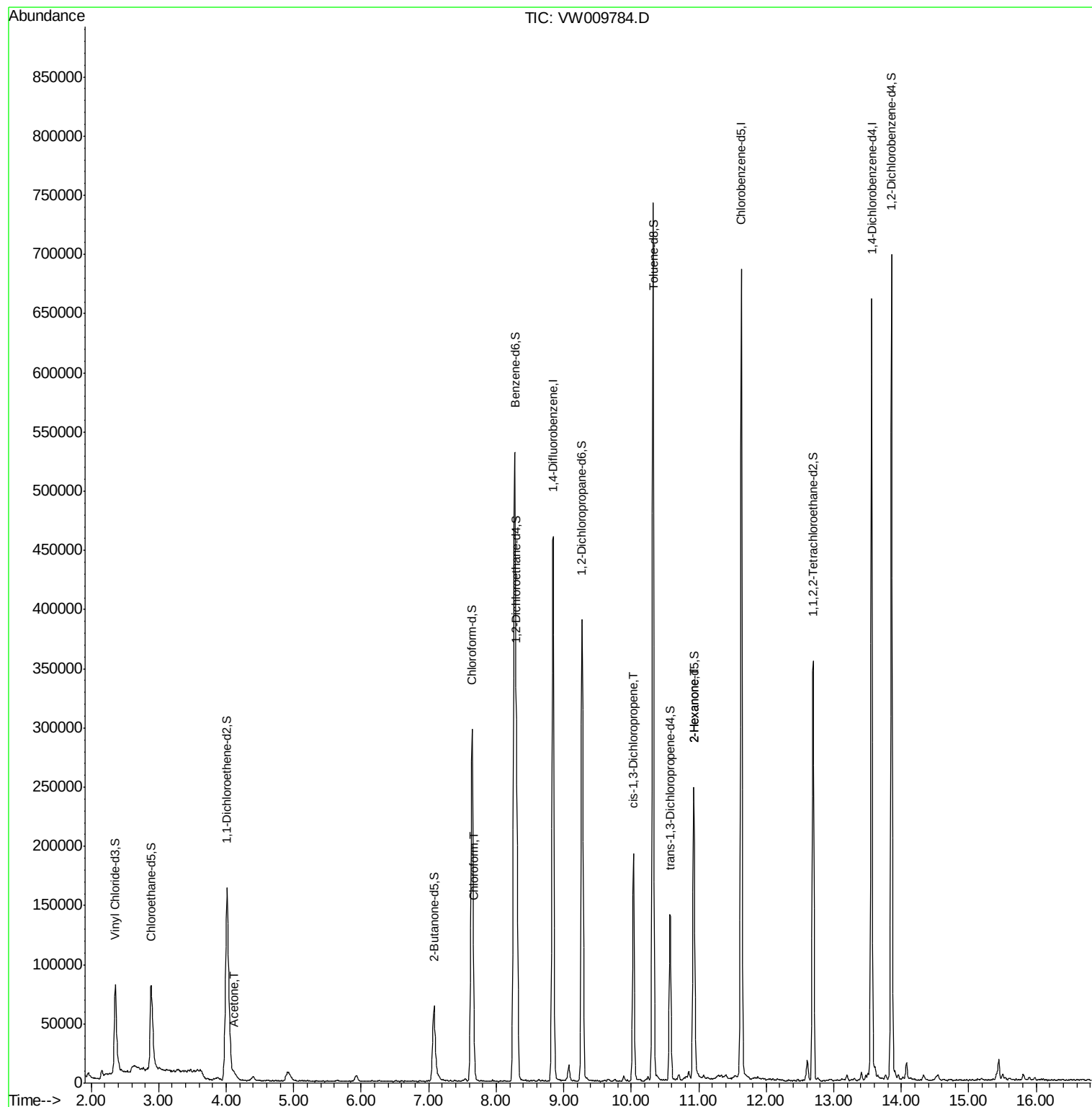
| Target Compounds            | R.T.  | QIon | Response | Conc  | Units  | Qvalue |
|-----------------------------|-------|------|----------|-------|--------|--------|
| 13) Acetone                 | 4.12  | 43   | 7782     | 4.816 | ug/L   | 87     |
| 25) Chloroform              | 7.67  | 83   | 4586     | 0.465 | ug/L   | 78     |
| 42) cis-1,3-Dichloropropene | 10.03 | 75   | 4984     | 0.592 | ug/L # | 53     |
| 49) 2-Hexanone              | 10.93 | 43   | 12934    | 4.115 | ug/L # | 84     |

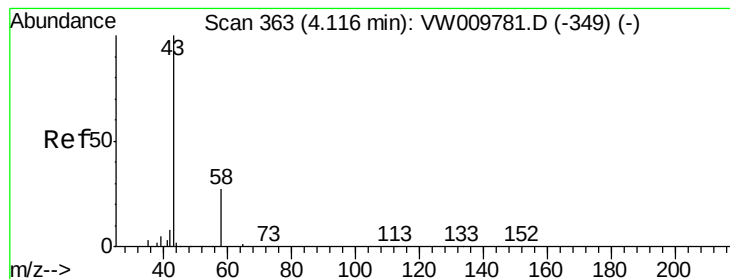
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Response via : Initial Calibration





#13

Acetone

Concen: 4.816 ug/L

RT: 4.12 min Scan# 363

Delta R.T. -0.01 min

Lab File: VW009784.D

Acq: 06 Apr 2019 22:03

Instrument :

MSVOA\_W

ClientSampled :

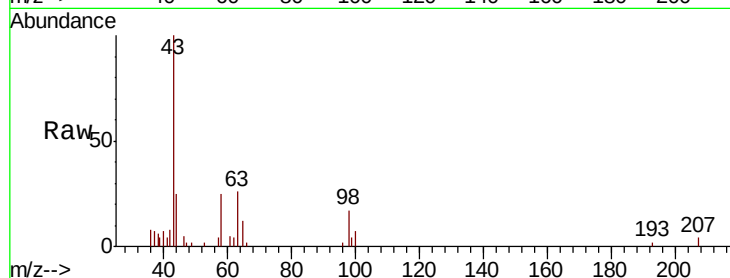
BF613

Tgt Ion: 43 Resp: 7782

Ion Ratio Lower Upper

43 100

58 32.9 0.0 53.0



Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 58.00 (57.70 to 58.70): VW

4.12

3000

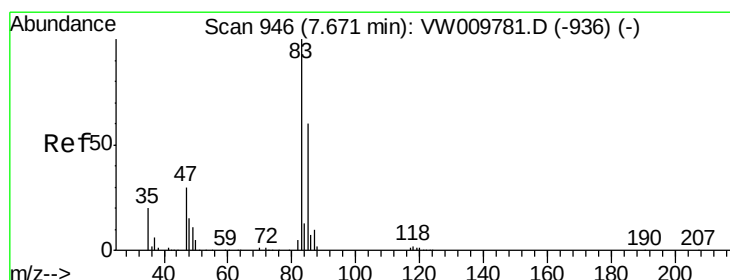
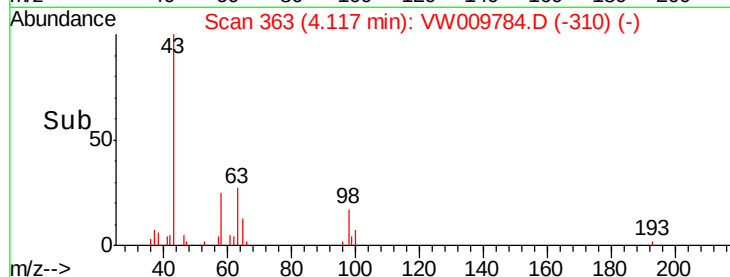
2000

1000

0

Time-->

4.05 4.10 4.15 4.20



#25

Chloroform

Concen: 0.465 ug/L

RT: 7.67 min Scan# 946

Delta R.T. 0.01 min

Lab File: VW009784.D

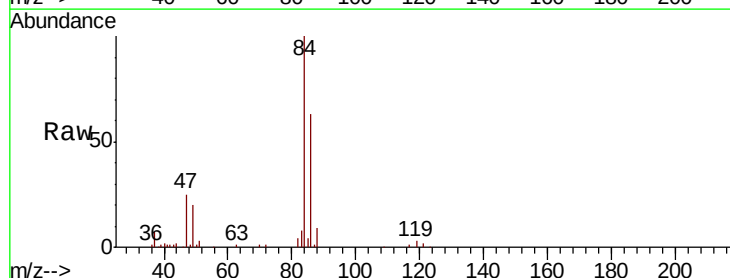
Acq: 06 Apr 2019 22:03

Tgt Ion: 83 Resp: 4586

Ion Ratio Lower Upper

83 100

85 48.2 45.6 84.8



Abundance Ion 83.00 (82.70 to 83.70): VW

Ion 85.00 (84.70 to 85.70): VW

2500

2000

1500

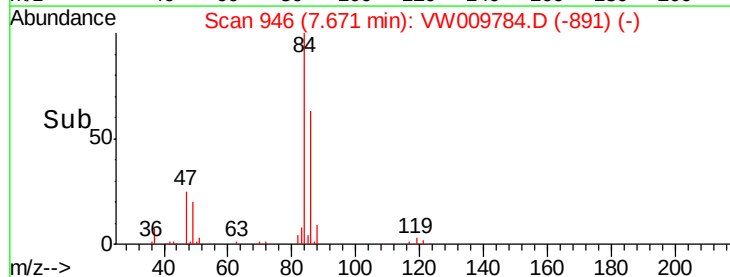
1000

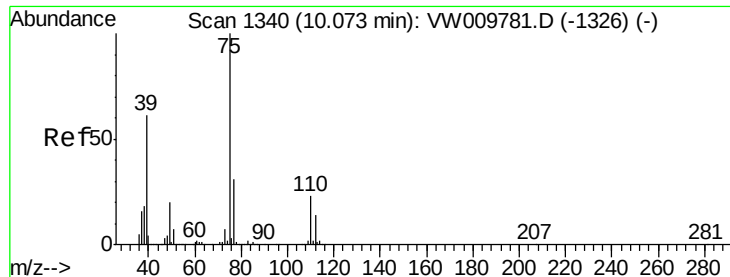
500

0

Time-->

7.65 7.70





#42

cis-1,3-Dichloropropene

Concen: 0.592 ug/L

RT: 10.03 min Scan# 1333

Delta R.T. -0.04 min

Lab File: VW009784.D

Acq: 06 Apr 2019 22:03

Instrument :

MSVOA\_W

ClientSampleId :

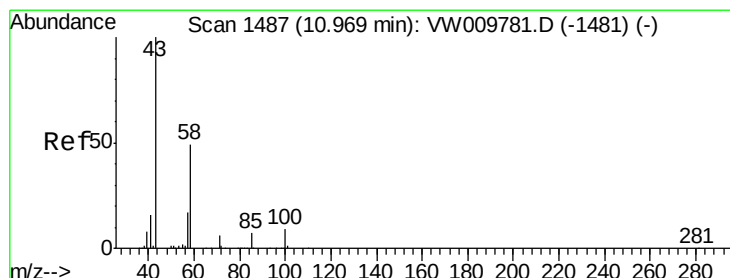
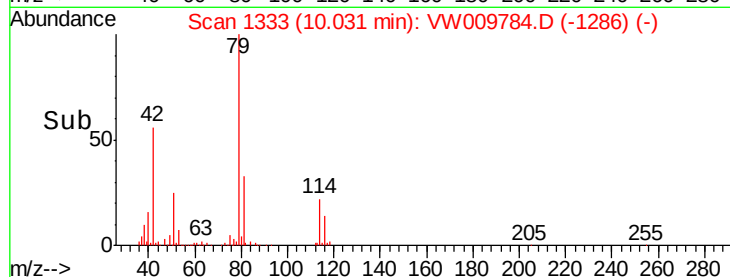
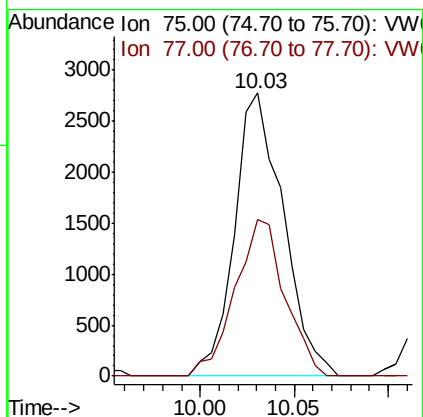
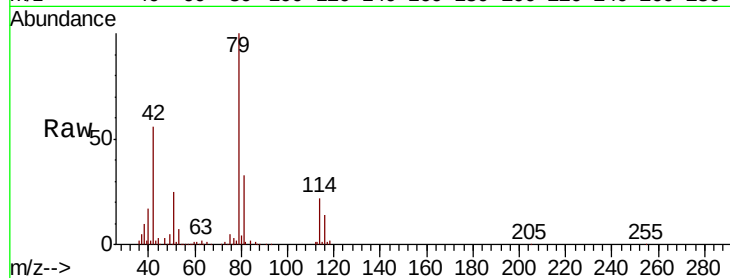
BF613

Tgt Ion: 75 Resp: 4984

Ion Ratio Lower Upper

75 100

77 55.5 21.0 39.0#



#49

2-Hexanone

Concen: 4.115 ug/L

RT: 10.93 min Scan# 1480

Delta R.T. -0.04 min

Lab File: VW009784.D

Acq: 06 Apr 2019 22:03

Tgt Ion: 43 Resp: 12934

Ion Ratio Lower Upper

43 100

58 40.1 38.9 58.3

57 28.7 13.8 20.6#

100 4.6 8.6 13.0#

