

Data Path : Z:\VOASRV\HPCHEM1\MSVOA V\DATA\VV120519\  
 Data File : VV013916.D  
 Acq On : 05 Dec 2019 15:11  
 Operator : SY/MD  
 Sample : K6165-06  
 Misc : 5.0mL/MSVOA V/WATER  
 ALS Vial : 10 Sample Multiplier: 1

Instrument :  
 MSVOA\_V  
 ClientSampleId :  
 DBBT4

Quant Time: Dec 06 04:36:01 2019  
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_V\METHOD\SOMVLM120219WMA.M  
 Quant Title : VOC Analysis  
 QLast Update : Fri Dec 06 04:06:40 2019  
 Response via : Initial Calibration

| Internal Standards         | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|----------------------------|-------|------|----------|-------|-------|----------|
| 1) 1,4-Difluorobenzene     | 5.66  | 114  | 620068   | 50.00 | ug/L  | 0.00     |
| 28) Chlorobenzene-d5       | 8.89  | 117  | 579595   | 50.00 | ug/L  | 0.00     |
| 60) 1,4-Dichlorobenzene-d4 | 11.29 | 152  | 232961   | 50.00 | ug/L  | 0.00     |

## System Monitoring Compounds

|                                |         |       |          |          |      |         |
|--------------------------------|---------|-------|----------|----------|------|---------|
| 4) Vinyl Chloride-d3           | 1.32    | 65    | 144817   | 40.38    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 60 - 135 | Recovery | =    | 80.76%  |
| 7) Chloroethane-d5             | 1.57    | 69    | 166201   | 44.40    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 70 - 130 | Recovery | =    | 88.80%  |
| 11) 1,1-Dichloroethene-d2      | 2.13    | 63    | 255888   | 32.27    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 60 - 125 | Recovery | =    | 64.54%  |
| 21) 2-Butanone-d5              | 3.92    | 46    | 268323   | 106.30   | ug/L | 0.00    |
| Spiked Amount                  | 100.000 | Range | 40 - 130 | Recovery | =    | 106.30% |
| 24) Chloroform-d               | 4.40    | 84    | 373432   | 49.58    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 70 - 125 | Recovery | =    | 99.16%  |
| 26) 1,2-Dichloroethane-d4      | 5.08    | 65    | 238177   | 49.91    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 70 - 125 | Recovery | =    | 99.82%  |
| 32) Benzene-d6                 | 5.09    | 84    | 717441   | 47.77    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 70 - 125 | Recovery | =    | 95.54%  |
| 36) 1,2-Dichloropropane-d6     | 6.11    | 67    | 226542   | 50.25    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 70 - 120 | Recovery | =    | 100.50% |
| 41) Toluene-d8                 | 7.36    | 98    | 633688   | 46.28    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 80 - 120 | Recovery | =    | 92.56%  |
| 43) trans-1,3-Dichloropropene- | 7.66    | 79    | 101726   | 46.37    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 60 - 125 | Recovery | =    | 92.74%  |
| 47) 2-Hexanone-d5              | 8.13    | 63    | 160600   | 95.40    | ug/L | 0.00    |
| Spiked Amount                  | 100.000 | Range | 45 - 130 | Recovery | =    | 95.40%  |
| 57) 1,1,2,2-Tetrachloroethane- | 10.25   | 84    | 298335   | 45.70    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 65 - 120 | Recovery | =    | 91.40%  |
| 64) 1,2-Dichlorobenzene-d4     | 11.67   | 152   | 252193   | 55.12    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 80 - 120 | Recovery | =    | 110.24% |

## Target Compounds

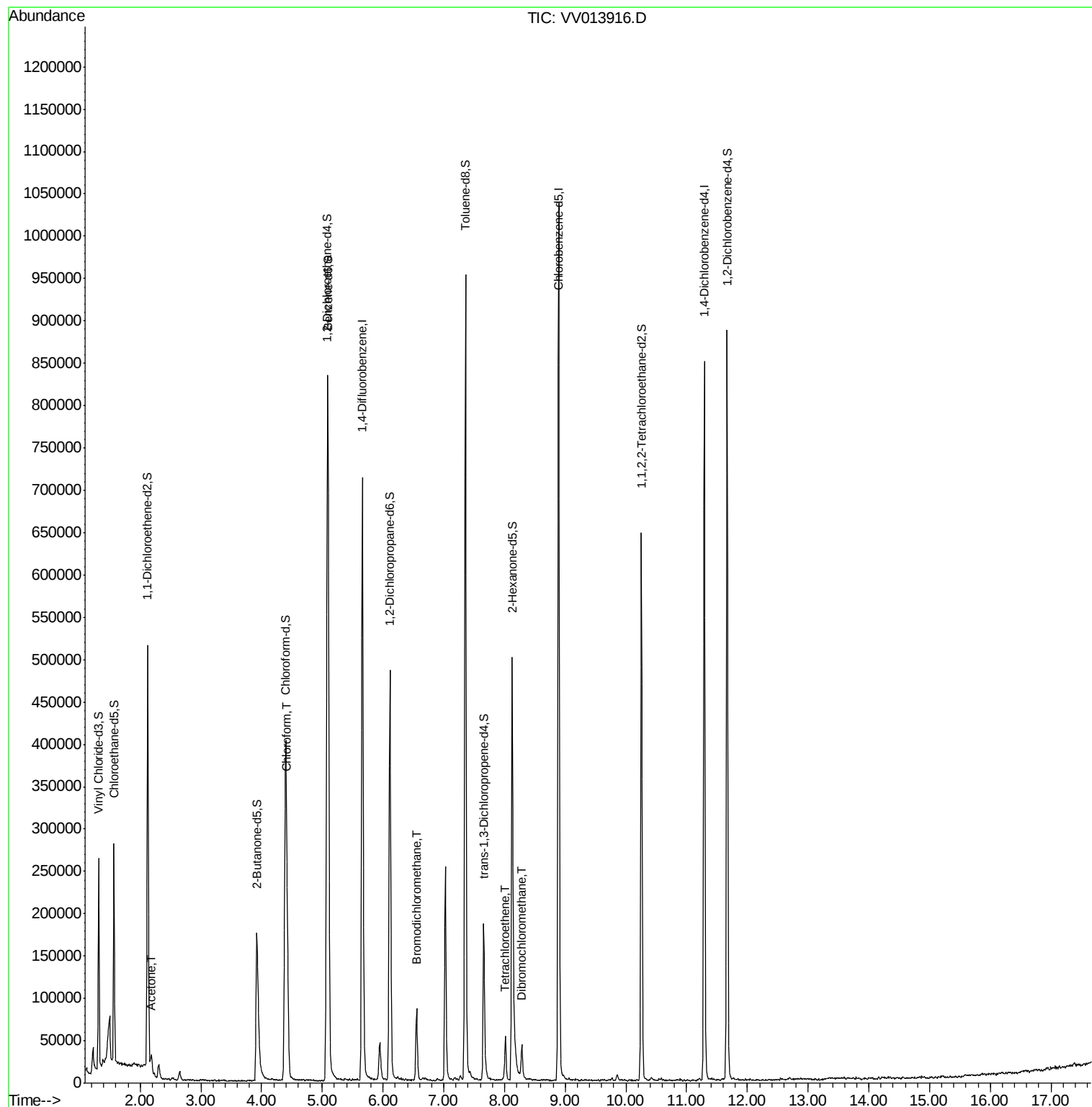
|                          |      |     |        |             | Ovalue |
|--------------------------|------|-----|--------|-------------|--------|
| 13) Acetone              | 2.18 | 43  | 9658   | 2.611 ug/L  | 94     |
| 25) Chloroform           | 4.42 | 83  | 130311 | 15.355 ug/L | 99     |
| 38) Bromodichloromethane | 6.55 | 83  | 55745  | 9.409 ug/L  | 93     |
| 46) Tetrachloroethene    | 8.01 | 164 | 13393  | 3.206 ug/L  | 87     |
| 49) Dibromochloromethane | 8.29 | 129 | 17912  | 3.534 ug/L  | 98     |

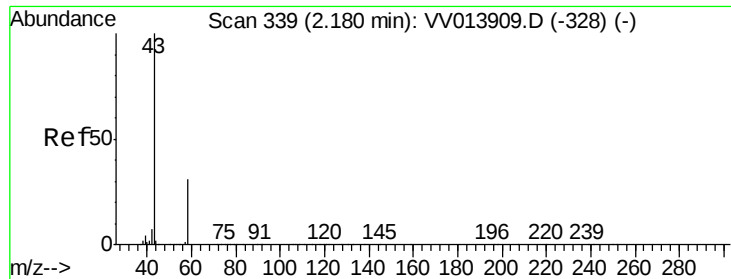
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : VOC Analysis  
QLast Update : Fri Dec 06 04:06:40 2019  
Response via : Initial Calibration





#13

Acetone

Concen: 2.611 ug/L

RT: 2.18 min Scan# 340

Delta R.T. 0.00 min

Lab File: VV013916.D

Acq: 05 Dec 2019 15:11

Instrument :

MSVOA\_V

ClientSampleId :

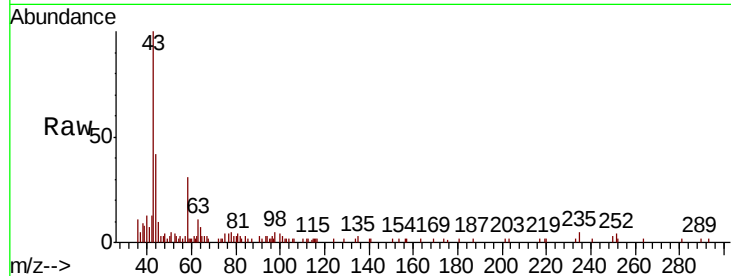
DBBT4

Tot Ion: 43 Resp: 9658

Ion Ratio Lower Upper

43 100

58 27.4 0.0 60.8



Abundance Ion 43.00 (42.70 to 43.70): VV013909.D (-328) (-)

Ion 58.00 (57.70 to 58.70): VV013909.D (-328) (-)

8000

6000

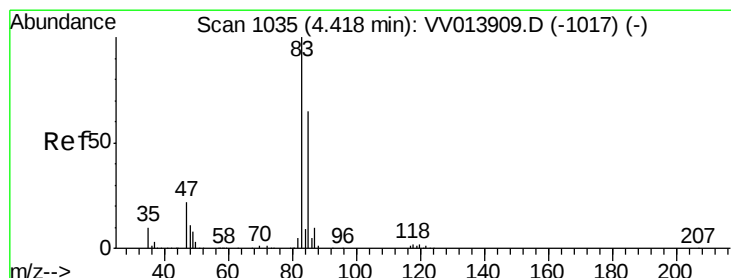
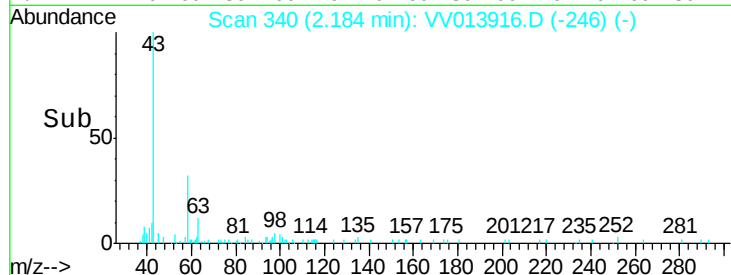
4000

2000

0

2.15 2.20

Time-->



#25

Chloroform

Concen: 15.355 ug/L

RT: 4.42 min Scan# 1036

Delta R.T. 0.00 min

Lab File: VV013916.D

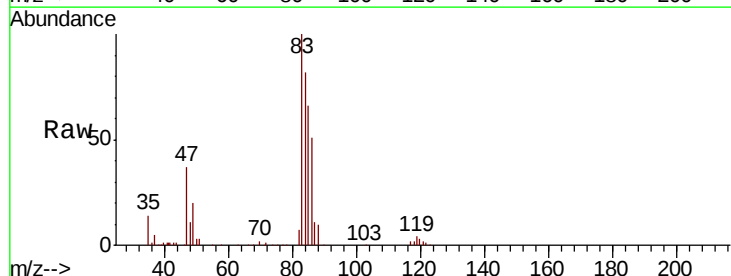
Acq: 05 Dec 2019 15:11

Tgt Ion: 83 Resp: 130311

Ion Ratio Lower Upper

83 100

85 66.3 45.7 84.9



Abundance Ion 83.00 (82.70 to 83.70): VV013909.D (-1017) (-)

Ion 85.00 (84.70 to 85.70): VV013909.D (-1017) (-)

60000

50000

40000

30000

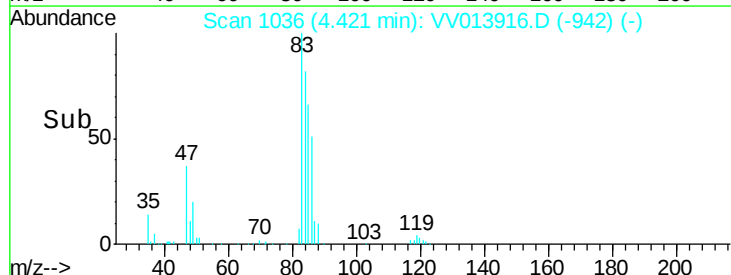
20000

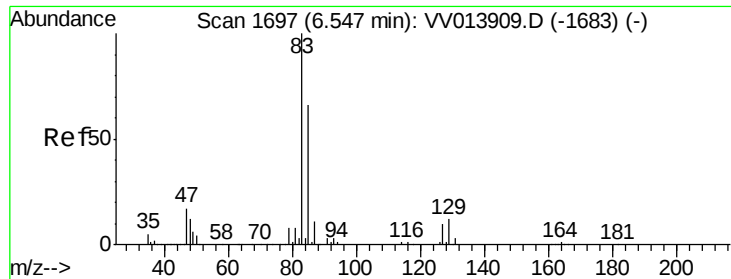
10000

0

4.30 4.40 4.50

Time-->





#38

Bromodichloromethane

Concen: 9.409 ug/L

RT: 6.55 min Scan# 1699

Delta R.T. 0.01 min

Lab File: VV013916.D

Acq: 05 Dec 2019 15:11

Instrument :

MSVOA\_V

ClientSampleId :

DBBT4

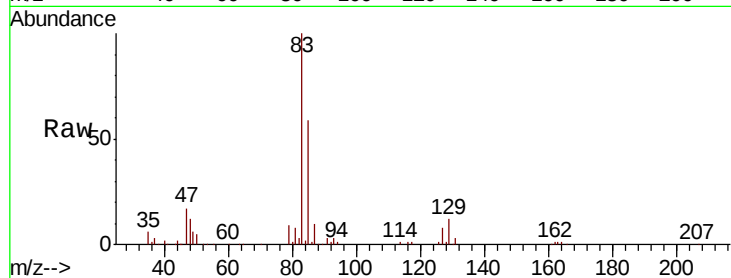
Tot Ion: 83 Resp: 55745

Ion Ratio Lower Upper

83 100

85 58.6 44.8 83.2

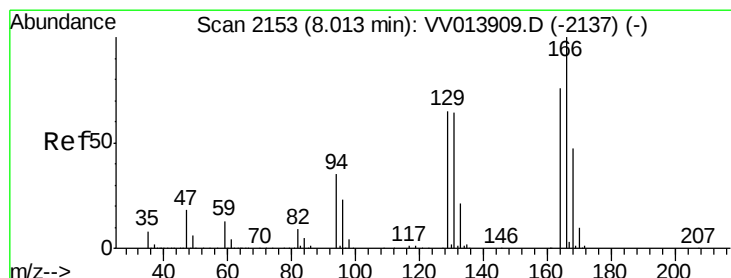
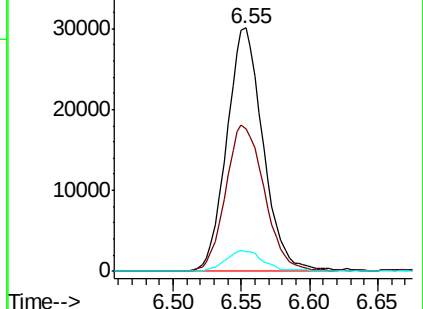
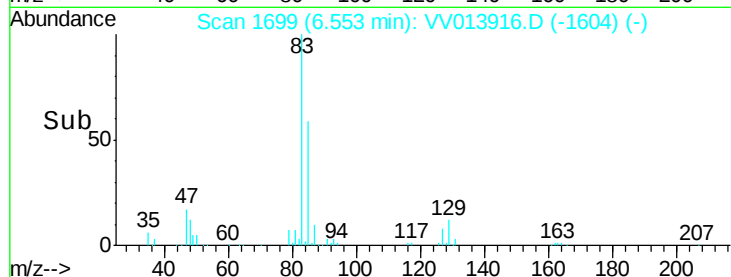
127 8.3 7.7 11.5



Abundance Ion 83.00 (82.70 to 83.70): VV013916.D (-1604) (-)

Ion 85.00 (84.70 to 85.70): VV013916.D (-1604) (-)

Ion 127.00 (126.70 to 127.70): VV013916.D (-1604) (-)



#46

Tetrachloroethene

Concen: 3.206 ug/L

RT: 8.01 min Scan# 2153

Delta R.T. -0.00 min

Lab File: VV013916.D

Acq: 05 Dec 2019 15:11

Tgt Ion: 164 Resp: 13393

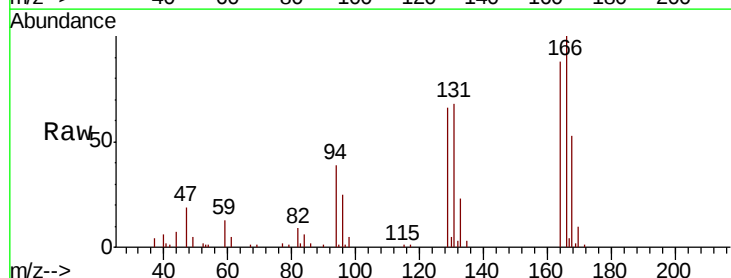
Ion Ratio Lower Upper

164 100

129 74.7 61.7 114.7

131 77.3 58.4 108.6

166 114.0 93.4 173.6

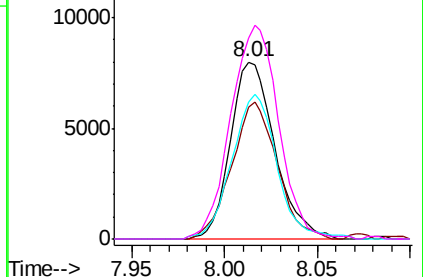
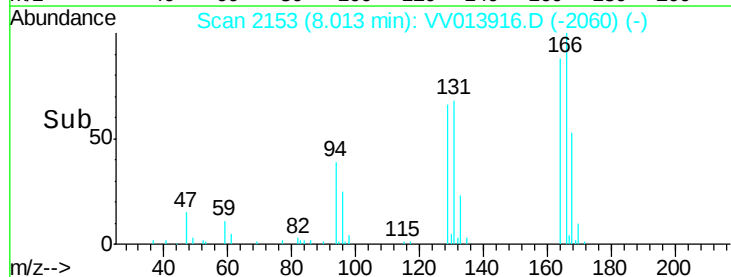


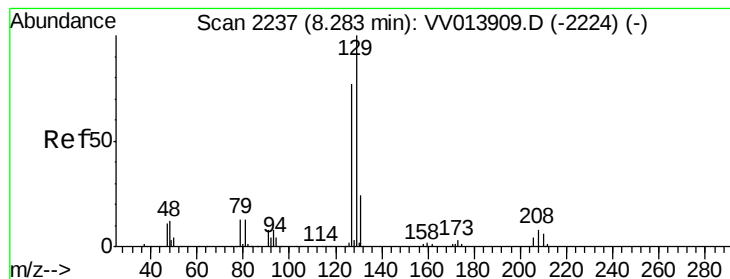
Abundance Ion 164.00 (163.70 to 164.70): VV013916.D (-2060) (-)

Ion 129.00 (128.70 to 129.70): VV013916.D (-2060) (-)

Ion 131.00 (130.70 to 131.70): VV013916.D (-2060) (-)

Ion 166.00 (165.70 to 166.70): VV013916.D (-2060) (-)





#49

Dibromochloromethane

Concen: 3.534 ug/L

RT: 8.29 min Scan# 2238

Delta R.T. 0.00 min

Lab File: VV013916.D

Acq: 05 Dec 2019 15:11

Instrument :

MSVOA\_V

ClientSampleId :

DBBT4

Tot Ion:129 Resp: 17912

Ion Ratio Lower Upper

129 100

127 78.7 53.7 99.7

