

Data Path : Z:\VOASRV\HPCHEM1\MSVOA V\DATA\VV120619\  
 Data File : VV013944.D  
 Acq On : 06 Dec 2019 15:49  
 Operator : SY/MD  
 Sample : K6165-10RE  
 Misc : 5.0mL/MSVOA V/WATER  
 ALS Vial : 14 Sample Multiplier: 1

Instrument :  
 MSVOA\_V  
 ClientSampleId :  
 DBBW5RE

Quant Time: Dec 07 03:07:33 2019  
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_V\METHOD\SOMVLM120219WMA.M  
 Quant Title : VOC Analysis  
 QLast Update : Sat Dec 07 01:39:07 2019  
 Response via : Initial Calibration

| Internal Standards         | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|----------------------------|-------|------|----------|-------|-------|----------|
| 1) 1,4-Difluorobenzene     | 5.66  | 114  | 1379256  | 50.00 | ug/L  | 0.00     |
| 28) Chlorobenzene-d5       | 8.89  | 117  | 1279090  | 50.00 | ug/L  | 0.00     |
| 60) 1,4-Dichlorobenzene-d4 | 11.29 | 152  | 510980   | 50.00 | ug/L  | 0.00     |

## System Monitoring Compounds

|                                |         |       |          |          |      |         |
|--------------------------------|---------|-------|----------|----------|------|---------|
| 4) Vinyl Chloride-d3           | 1.32    | 65    | 194873   | 24.43    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 60 - 135 | Recovery | =    | 48.86%# |
| 7) Chloroethane-d5             | 1.57    | 69    | 216987   | 26.06    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 70 - 130 | Recovery | =    | 52.12%# |
| 11) 1,1-Dichloroethene-d2      | 2.13    | 63    | 340768   | 19.32    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 60 - 125 | Recovery | =    | 38.64%# |
| 21) 2-Butanone-d5              | 3.92    | 46    | 269891   | 48.07    | ug/L | 0.00    |
| Spiked Amount                  | 100.000 | Range | 40 - 130 | Recovery | =    | 48.07%  |
| 24) Chloroform-d               | 4.40    | 84    | 408028   | 24.36    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 70 - 125 | Recovery | =    | 48.72%# |
| 26) 1,2-Dichloroethane-d4      | 5.08    | 65    | 253578   | 23.89    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 70 - 125 | Recovery | =    | 47.78%# |
| 32) Benzene-d6                 | 5.09    | 84    | 817268   | 24.66    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 70 - 125 | Recovery | =    | 49.32%# |
| 36) 1,2-Dichloropropane-d6     | 6.11    | 67    | 252992   | 25.43    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 70 - 120 | Recovery | =    | 50.86%# |
| 41) Toluene-d8                 | 7.36    | 98    | 715002   | 23.66    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 80 - 120 | Recovery | =    | 47.32%# |
| 43) trans-1,3-Dichloropropene- | 7.66    | 79    | 108457   | 22.40    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 60 - 125 | Recovery | =    | 44.80%# |
| 47) 2-Hexanone-d5              | 8.13    | 63    | 154760   | 41.66    | ug/L | 0.00    |
| Spiked Amount                  | 100.000 | Range | 45 - 130 | Recovery | =    | 41.66%# |
| 57) 1,1,2,2-Tetrachloroethane- | 10.25   | 84    | 312251   | 21.67    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 65 - 120 | Recovery | =    | 43.34%# |
| 64) 1,2-Dichlorobenzene-d4     | 11.67   | 152   | 266065   | 26.51    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 80 - 120 | Recovery | =    | 53.02%# |

## Target Compounds

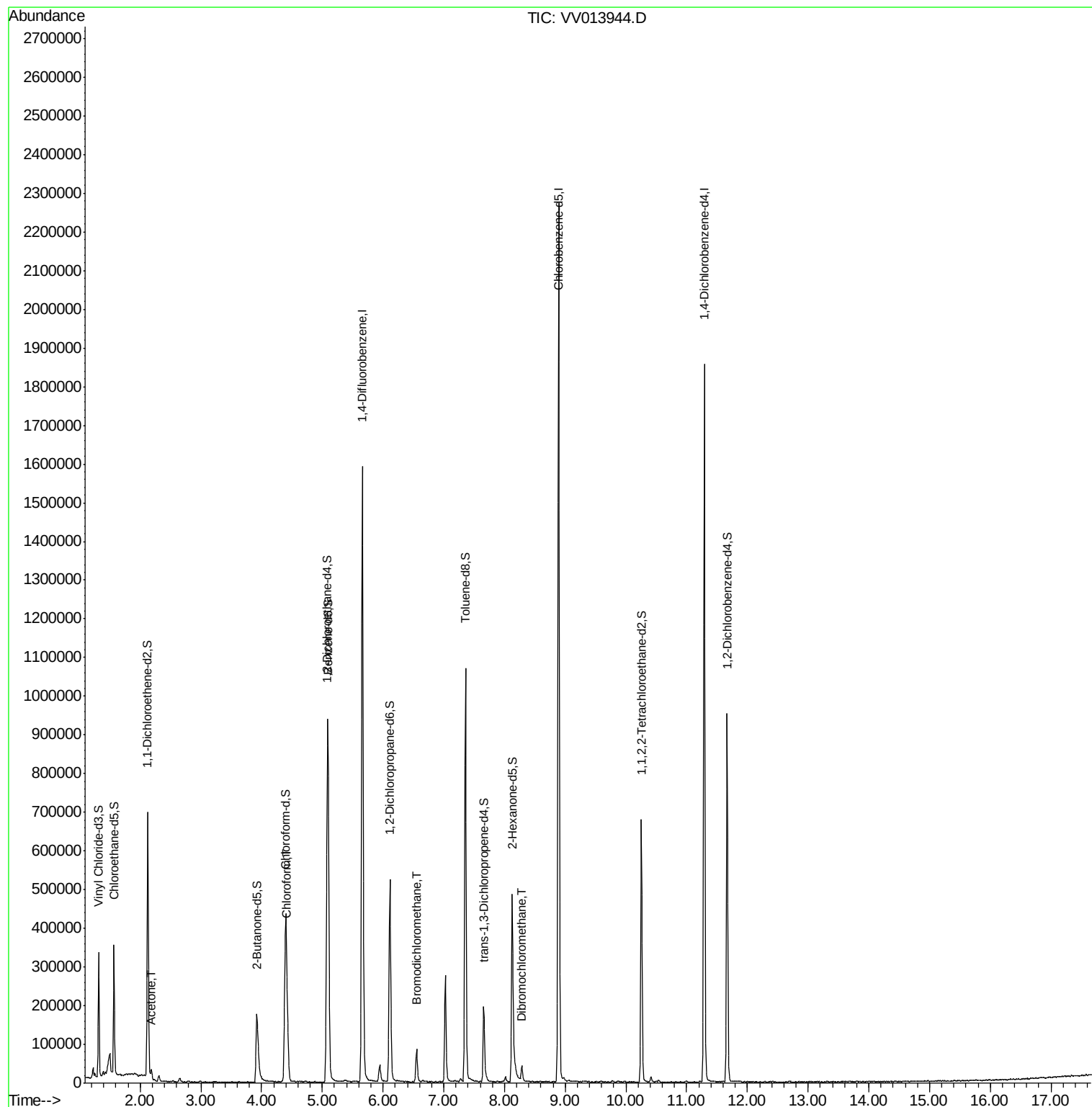
|                          |      |     |        |       | Ovalue   |
|--------------------------|------|-----|--------|-------|----------|
| 13) Acetone              | 2.18 | 43  | 13938  | 1.694 | ug/L 94  |
| 25) Chloroform           | 4.42 | 83  | 132556 | 7.022 | ug/L 100 |
| 38) Bromodichloromethane | 6.55 | 83  | 56713  | 4.338 | ug/L 100 |
| 49) Dibromochloromethane | 8.29 | 129 | 18705  | 1.672 | ug/L 99  |

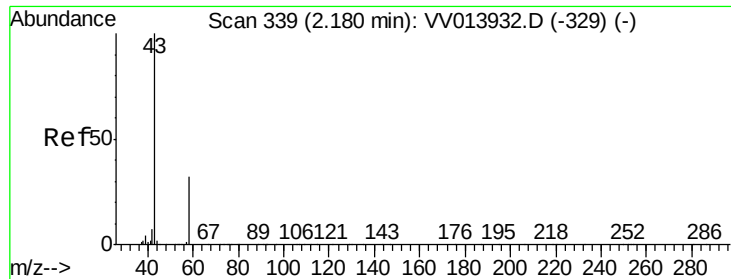
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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QLast Update : Sat Dec 07 01:39:07 2019  
Response via : Initial Calibration





#13

Acetone

Concen: 1.694 ug/L

RT: 2.18 min Scan# 340

Delta R.T. 0.00 min

Lab File: VV013944.D

Acq: 06 Dec 2019 15:49

Instrument :

MSVOA\_V

ClientSampleId :

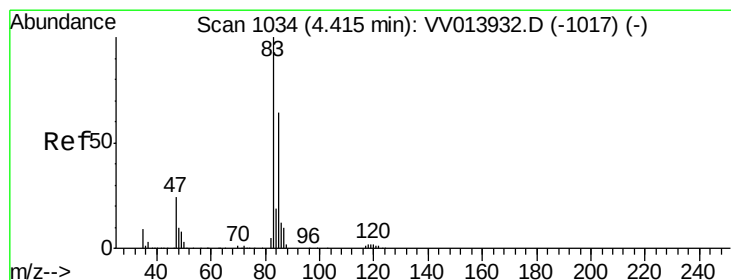
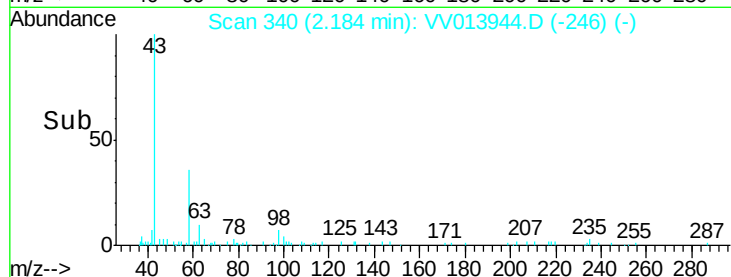
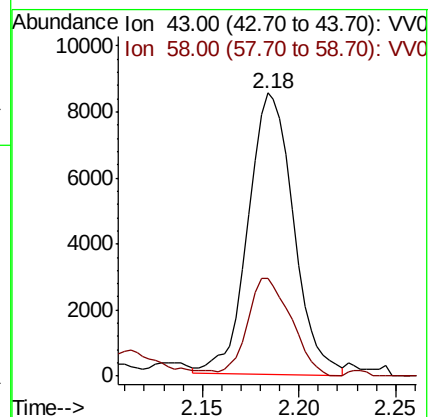
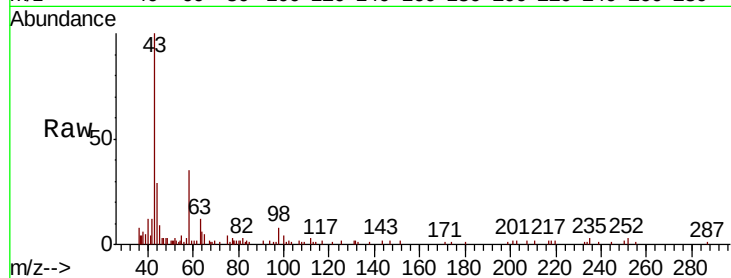
DBBW5RE

Tot Ion: 43 Resp: 13938

Ion Ratio Lower Upper

43 100

58 33.4 0.0 60.8



#25

Chloroform

Concen: 7.022 ug/L

RT: 4.42 min Scan# 1037

Delta R.T. 0.01 min

Lab File: VV013944.D

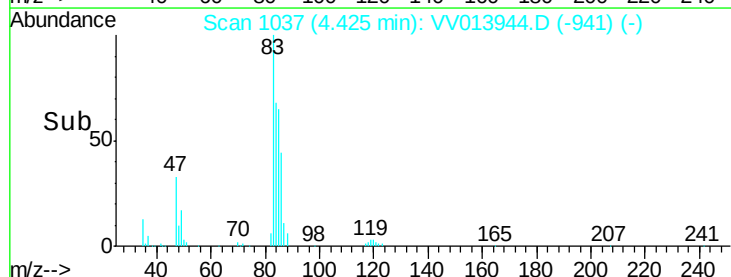
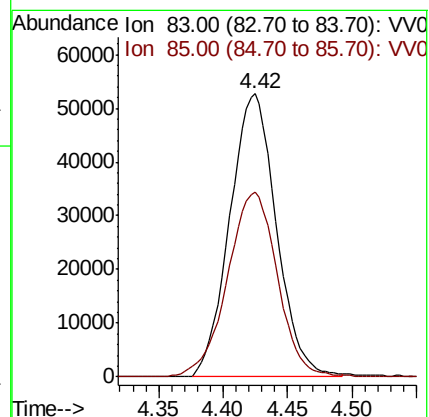
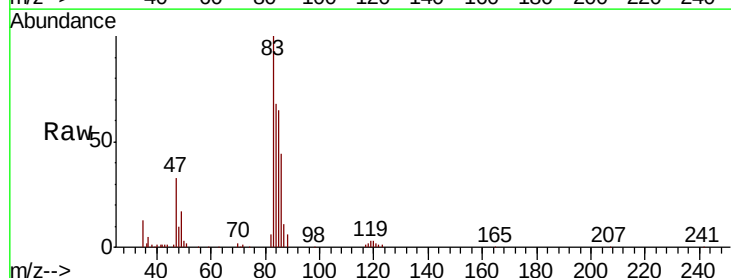
Acq: 06 Dec 2019 15:49

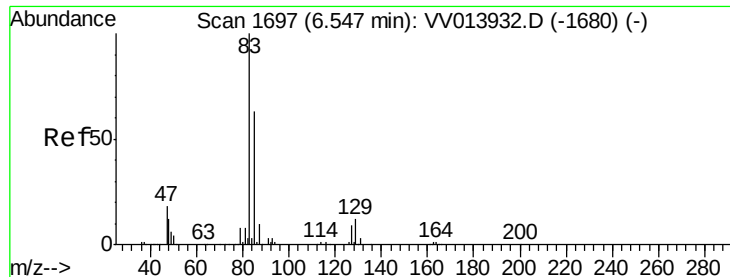
Tgt Ion: 83 Resp: 132556

Ion Ratio Lower Upper

83 100

85 65.3 45.7 84.9





#38

Bromodichloromethane

Concen: 4.338 ug/L

RT: 6.55 min Scan# 1698

Delta R.T. 0.00 min

Lab File: VV013944.D

Acq: 06 Dec 2019 15:49

Instrument :

MSVOA\_V

ClientSampleId :

DBBW5RE

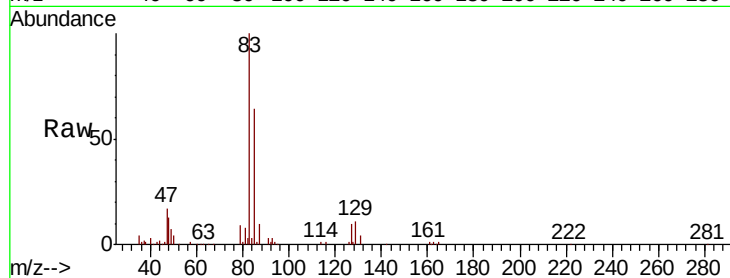
Tot Ion: 83 Resp: 56713

Ion Ratio Lower Upper

83 100

85 64.1 44.8 83.2

127 9.5 7.7 11.5



Abundance Ion 83.00 (82.70 to 83.70): VV013932.D (-1680) (-)

Ion 85.00 (84.70 to 85.70): VV013932.D (-1680) (-)

Ion 127.00 (126.70 to 127.70): VV013932.D (-1680) (-)

6.55

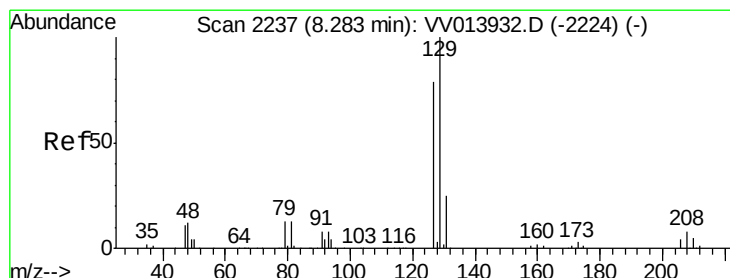
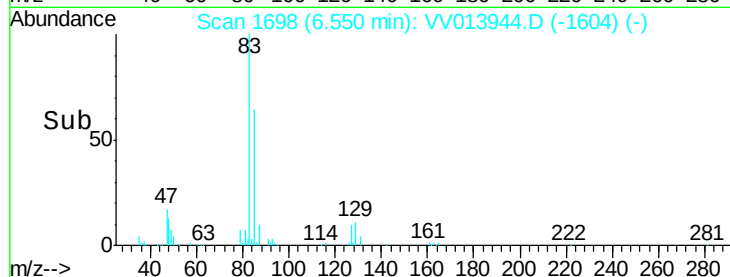
30000

20000

10000

0

Time-->



#49

Dibromochloromethane

Concen: 1.672 ug/L

RT: 8.29 min Scan# 2238

Delta R.T. 0.00 min

Lab File: VV013944.D

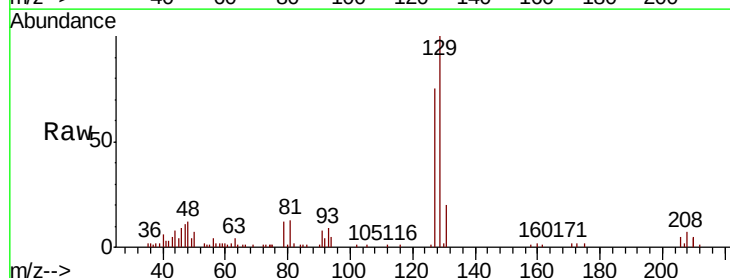
Acq: 06 Dec 2019 15:49

Tgt Ion: 129 Resp: 18705

Ion Ratio Lower Upper

129 100

127 75.4 53.7 99.7



Abundance Ion 129.00 (128.70 to 129.70): VV013932.D (-2224) (-)

Ion 127.00 (126.70 to 127.70): VV013932.D (-2224) (-)

8.29

12000

10000

8000

6000

4000

2000

0

Time-->

