

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU061419\  
 Data File : VU032749.D  
 Acq On : 15 Jun 2019 03:07  
 Operator : JC/SP  
 Sample : K3381-03  
 Misc : 25.0mL/MSVOA U/WATER  
 ALS Vial : 31 Sample Multiplier: 1

Instrument :  
 MSVOA\_U  
 ClientSampleId :  
 BFCM5

Quant Time: Jun 17 08:35:23 2019  
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_U\METHOD\SOMUTR060419WMA.M  
 Quant Title : TRACE VOA SOM01.0  
 QLast Update : Sat Jun 15 03:31:01 2019  
 Response via : Initial Calibration

| Internal Standards         | R.T.  | QIon | Response | Conc | Units | Dev(Min) |
|----------------------------|-------|------|----------|------|-------|----------|
| 1) 1,4-Difluorobenzene     | 5.88  | 114  | 97238    | 5.00 | ug/L  | 0.00     |
| 28) Chlorobenzene-d5       | 9.08  | 117  | 93118    | 5.00 | ug/L  | 0.00     |
| 60) 1,4-Dichlorobenzene-d4 | 11.48 | 152  | 45629    | 5.00 | ug/L  | 0.00     |

## System Monitoring Compounds

|                                |        |       |          |          |      |         |
|--------------------------------|--------|-------|----------|----------|------|---------|
| 4) Vinyl Chloride-d3           | 1.40   | 65    | 26828    | 4.24     | ug/L | 0.00    |
| Spiked Amount                  | 5.000  | Range | 40 - 130 | Recovery | =    | 84.80%  |
| 7) Chloroethane-d5             | 1.68   | 69    | 24244    | 4.49     | ug/L | 0.00    |
| Spiked Amount                  | 5.000  | Range | 65 - 130 | Recovery | =    | 89.80%  |
| 11) 1,1-Dichloroethene-d2      | 2.27   | 63    | 42087    | 3.28     | ug/L | 0.00    |
| Spiked Amount                  | 5.000  | Range | 60 - 125 | Recovery | =    | 65.60%  |
| 20) 2-Butanone-d5              | 4.18   | 46    | 99619    | 56.46    | ug/L | 0.00    |
| Spiked Amount                  | 50.000 | Range | 40 - 130 | Recovery | =    | 112.92% |
| 24) Chloroform-d               | 4.64   | 84    | 58833    | 5.14     | ug/L | 0.00    |
| Spiked Amount                  | 5.000  | Range | 70 - 125 | Recovery | =    | 102.80% |
| 26) 1,2-Dichloroethane-d4      | 5.30   | 65    | 34043    | 5.75     | ug/L | 0.00    |
| Spiked Amount                  | 5.000  | Range | 70 - 130 | Recovery | =    | 115.00% |
| 32) Benzene-d6                 | 5.33   | 84    | 111461   | 4.81     | ug/L | 0.00    |
| Spiked Amount                  | 5.000  | Range | 70 - 125 | Recovery | =    | 96.20%  |
| 36) 1,2-Dichloropropane-d6     | 6.32   | 67    | 37833    | 5.30     | ug/L | 0.00    |
| Spiked Amount                  | 5.000  | Range | 60 - 140 | Recovery | =    | 106.00% |
| 41) Toluene-d8                 | 7.56   | 98    | 97467    | 4.55     | ug/L | 0.00    |
| Spiked Amount                  | 5.000  | Range | 70 - 130 | Recovery | =    | 91.00%  |
| 43) trans-1,3-Dichloropropene- | 7.85   | 79    | 14279    | 4.68     | ug/L | 0.00    |
| Spiked Amount                  | 5.000  | Range | 55 - 130 | Recovery | =    | 93.60%  |
| 46) 2-Hexanone-d5              | 8.31   | 63    | 76926    | 50.35    | ug/L | 0.00    |
| Spiked Amount                  | 50.000 | Range | 45 - 130 | Recovery | =    | 100.70% |
| 57) 1,1,2,2-Tetrachloroethane- | 10.43  | 84    | 33061    | 5.50     | ug/L | 0.00    |
| Spiked Amount                  | 5.000  | Range | 65 - 120 | Recovery | =    | 110.00% |
| 64) 1,2-Dichlorobenzene-d4     | 11.85  | 152   | 40669    | 4.95     | ug/L | 0.00    |
| Spiked Amount                  | 5.000  | Range | 80 - 120 | Recovery | =    | 99.00%  |

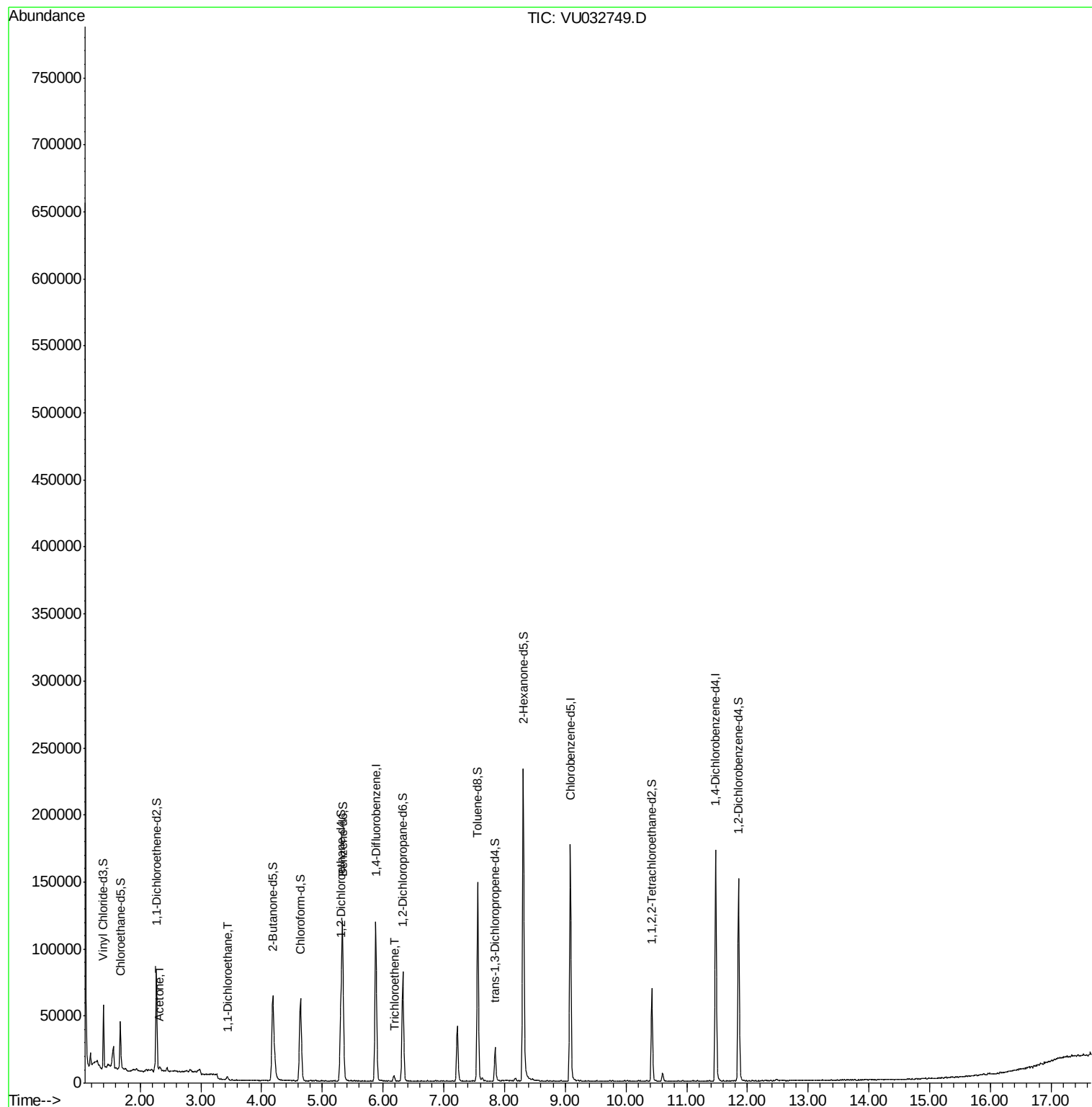
| Target Compounds       |      |    |      |            | Ovalue |
|------------------------|------|----|------|------------|--------|
| 13) Acetone            | 2.32 | 43 | 2744 | 2.004 ug/L | 94     |
| 19) 1,1-Dichloroethane | 3.43 | 63 | 2655 | 0.223 ug/L | 97     |
| 34) Trichloroethene    | 6.18 | 95 | 1471 | 0.186 ug/L | 95     |

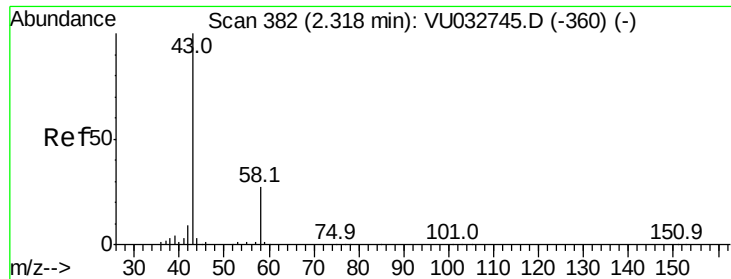
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#13

Acetone

Concen: 2.004 ug/L

RT: 2.32 min Scan# 382

Delta R.T. -0.00 min

Lab File: VU032749.D

Acq: 15 Jun 2019 03:07

Instrument :

MSVOA\_U

ClientSampleId :

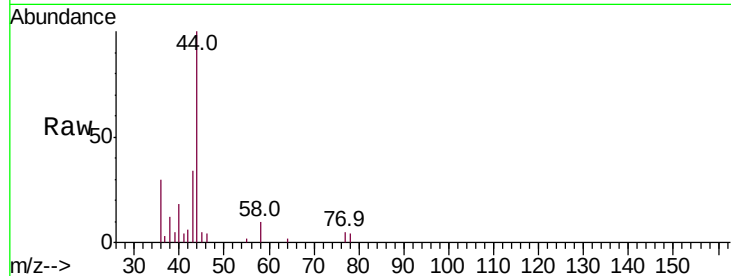
BFCM5

Tot Ion: 43 Resp: 2744

Ion Ratio Lower Upper

43 100

58 27.1 0.0 60.8



Abundance Ion 43.05 (42.75 to 43.75): VU032749.D (-289) (-)

Ion 58.05 (57.75 to 58.75): VU032749.D (-289) (-)

2000

1500

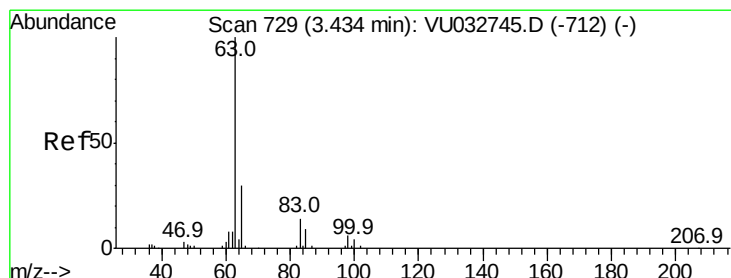
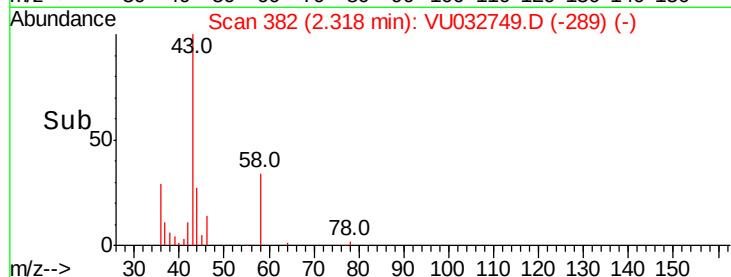
1000

500

0

2.25 2.30 2.35 2.40

Time-->



#19

1,1-Dichloroethane

Concen: 0.223 ug/L

RT: 3.43 min Scan# 729

Delta R.T. -0.00 min

Lab File: VU032749.D

Acq: 15 Jun 2019 03:07

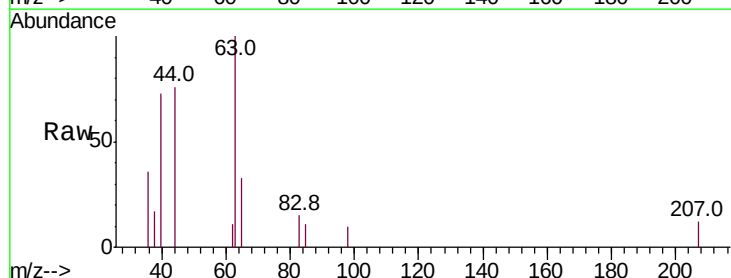
Tgt Ion: 63 Resp: 2655

Ion Ratio Lower Upper

63 100

65 32.7 21.3 39.6

83 14.7 10.1 18.7



Abundance Ion 63.10 (62.80 to 63.80): VU032749.D (-636) (-)

Ion 65.10 (64.80 to 65.80): VU032749.D (-636) (-)

Ion 83.05 (82.75 to 83.75): VU032749.D (-636) (-)

1500

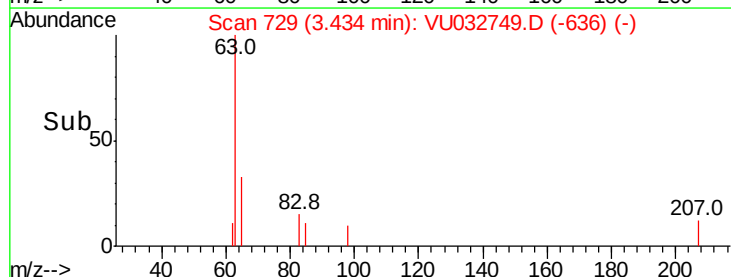
1000

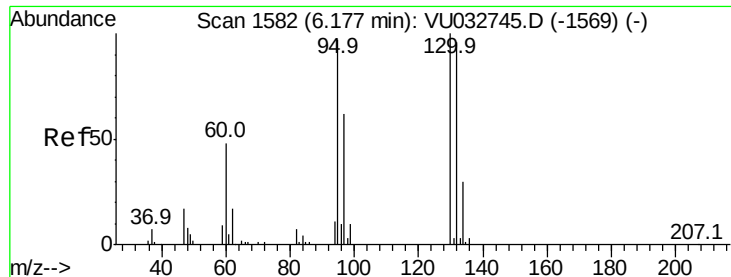
500

0

3.40 3.45 3.50

Time-->





#34

Trichloroethene

Concen: 0.186 ug/L

RT: 6.18 min Scan# 1583

Delta R.T. 0.00 min

Lab File: VU032749.D

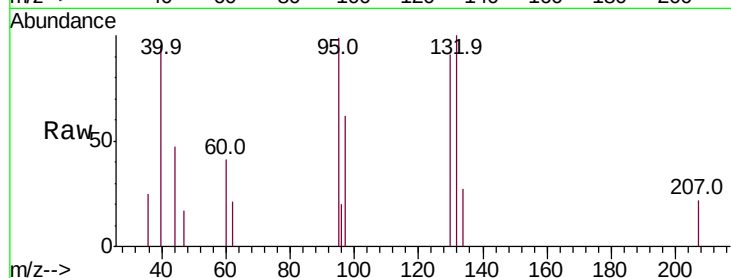
Acq: 15 Jun 2019 03:07

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Tot Ion: 95 Resp: 1471

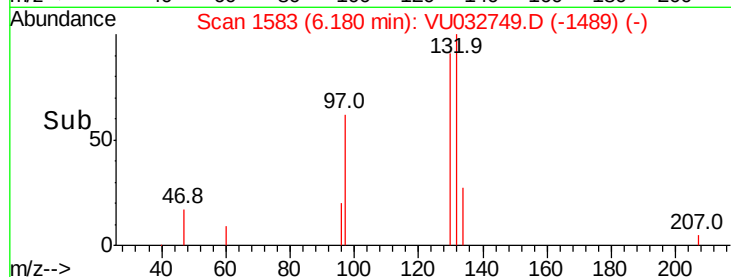
Ion Ratio Lower Upper

95 100

97 62.9 44.1 81.9

132 101.4 68.8 127.8

130 92.7 71.0 131.8



Abundance Ion 95.00 (94.70 to 95.70): VU0

Ion 96.95 (96.65 to 97.65): VU0

Ion 131.95 (131.65 to 132.65): V

Ion 129.95 (129.65 to 130.65): V

