

Data Path : Z:\VOASRV\HPCHEM1\MSVOA V\DATA\VV092818\  
 Data File : VV007962.D  
 Acq On : 28 Sep 2018 19:29  
 Operator : SY/MD  
 Sample : J5062-21  
 Misc : 25.0 mL/MSVOA V/WATER  
 ALS Vial : 22 Sample Multiplier: 1

Instrument :  
 MSVOA\_V  
 ClientSampleId :  
 GAC21

Quant Time: Oct 01 04:31:10 2018  
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_V\METHOD\SOMVTR092718WMA.M  
 Quant Title : TRACE VOA SOM01.0  
 QLast Update : Mon Oct 01 01:51:53 2018  
 Response via : Initial Calibration

| Internal Standards         | R.T.  | QIon | Response | Conc | Units | Dev(Min) |
|----------------------------|-------|------|----------|------|-------|----------|
| 1) 1,4-Difluorobenzene     | 5.67  | 114  | 85165    | 5.00 | ug/L  | 0.00     |
| 28) Chlorobenzene-d5       | 8.90  | 117  | 80589    | 5.00 | ug/L  | 0.00     |
| 60) 1,4-Dichlorobenzene-d4 | 11.30 | 152  | 40188    | 5.00 | ug/L  | 0.00     |

## System Monitoring Compounds

|                                |        |       |          |          |      |         |
|--------------------------------|--------|-------|----------|----------|------|---------|
| 4) Vinyl Chloride-d3           | 1.32   | 65    | 17688    | 3.87     | ug/L | 0.00    |
| Spiked Amount                  | 5.000  | Range | 40 - 130 | Recovery | =    | 77.40%  |
| 7) Chloroethane-d5             | 1.59   | 69    | 17732    | 4.50     | ug/L | 0.00    |
| Spiked Amount                  | 5.000  | Range | 65 - 130 | Recovery | =    | 90.00%  |
| 11) 1,1-Dichloroethene-d2      | 2.14   | 63    | 30263    | 2.94     | ug/L | 0.00    |
| Spiked Amount                  | 5.000  | Range | 60 - 125 | Recovery | =    | 58.80%# |
| 20) 2-Butanone-d5              | 3.96   | 46    | 65689    | 47.83    | ug/L | 0.00    |
| Spiked Amount                  | 50.000 | Range | 40 - 130 | Recovery | =    | 95.66%  |
| 24) Chloroform-d               | 4.41   | 84    | 46878    | 4.51     | ug/L | 0.00    |
| Spiked Amount                  | 5.000  | Range | 70 - 125 | Recovery | =    | 90.20%  |
| 26) 1,2-Dichloroethane-d4      | 5.09   | 65    | 26006    | 4.55     | ug/L | 0.00    |
| Spiked Amount                  | 5.000  | Range | 70 - 130 | Recovery | =    | 91.00%  |
| 32) Benzene-d6                 | 5.10   | 84    | 89155    | 4.63     | ug/L | 0.00    |
| Spiked Amount                  | 5.000  | Range | 70 - 125 | Recovery | =    | 92.60%  |
| 36) 1,2-Dichloropropane-d6     | 6.13   | 67    | 28407    | 4.66     | ug/L | 0.00    |
| Spiked Amount                  | 5.000  | Range | 60 - 140 | Recovery | =    | 93.20%  |
| 41) Toluene-d8                 | 7.36   | 98    | 81521    | 4.16     | ug/L | 0.00    |
| Spiked Amount                  | 5.000  | Range | 70 - 130 | Recovery | =    | 83.20%  |
| 43) trans-1,3-Dichloropropene- | 7.67   | 79    | 9229     | 3.93     | ug/L | 0.00    |
| Spiked Amount                  | 5.000  | Range | 55 - 130 | Recovery | =    | 78.60%  |
| 46) 2-Hexanone-d5              | 8.14   | 63    | 47469    | 45.79    | ug/L | 0.00    |
| Spiked Amount                  | 50.000 | Range | 45 - 130 | Recovery | =    | 91.58%  |
| 57) 1,1,2,2-Tetrachloroethane- | 10.27  | 84    | 22501    | 4.78     | ug/L | 0.00    |
| Spiked Amount                  | 5.000  | Range | 65 - 120 | Recovery | =    | 95.60%  |
| 64) 1,2-Dichlorobenzene-d4     | 11.68  | 152   | 35582    | 4.57     | ug/L | 0.00    |
| Spiked Amount                  | 5.000  | Range | 80 - 120 | Recovery | =    | 91.40%  |

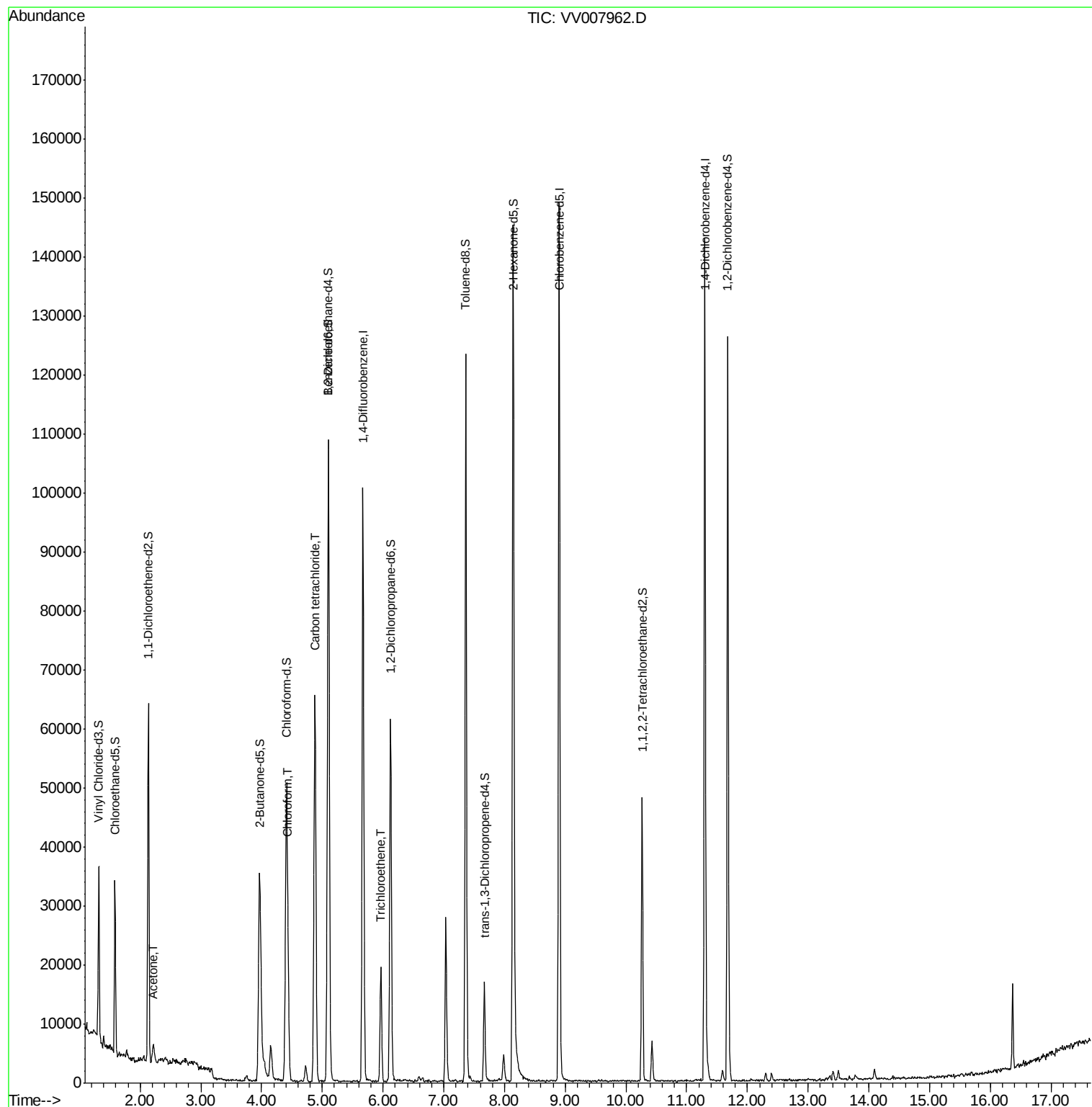
| Target Compounds         |      |     |       |            | Ovalue |
|--------------------------|------|-----|-------|------------|--------|
| 13) Acetone              | 2.22 | 43  | 4638  | 4.635 ug/L | 98     |
| 25) Chloroform           | 4.44 | 83  | 14095 | 1.231 ug/L | 100    |
| 31) Carbon tetrachloride | 4.88 | 117 | 47870 | 5.603 ug/L | 98     |
| 34) Trichloroethene      | 5.96 | 95  | 6191  | 0.937 ug/L | 89     |

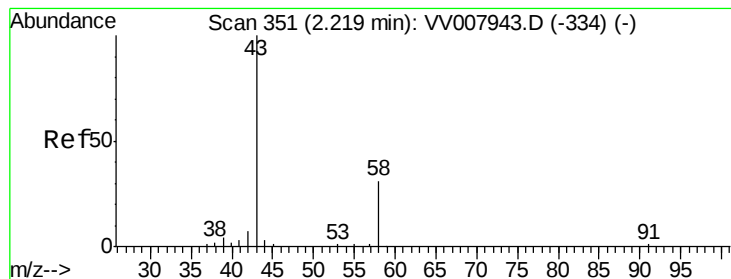
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#13

Acetone

Concen: 4.635 ug/L

RT: 2.22 min Scan# 350

Delta R.T. -0.00 min

Lab File: VV007962.D

Acq: 28 Sep 2018 19:29

Instrument :

MSVOA\_V

ClientSampleId :

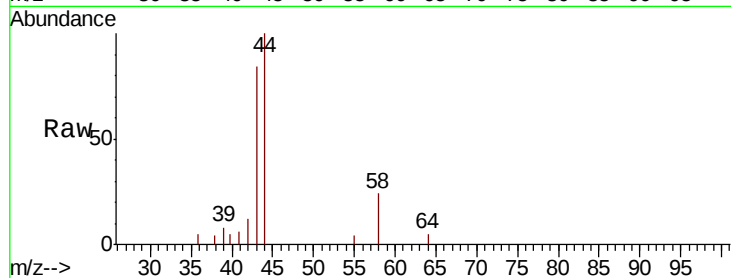
GAC21

Tot Ion: 43 Resp: 4638

Ion Ratio Lower Upper

43 100

58 31.9 0.0 62.0



Abundance Ion 43.05 (42.75 to 43.75): VV007943.D (-334) (-)

Ion 58.05 (57.75 to 58.75): VV007943.D (-334) (-)

2.22

2000

1500

1000

500

0

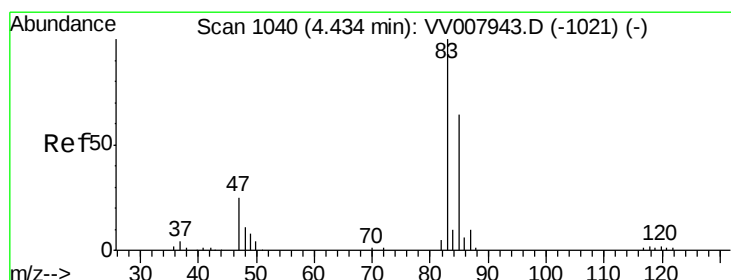
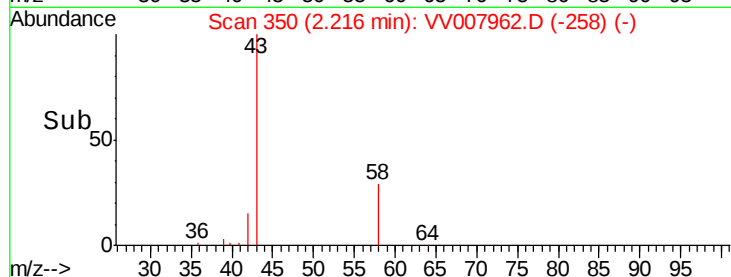
Time-->

2.15

2.20

2.25

2.30



#25

Chloroform

Concen: 1.231 ug/L

RT: 4.44 min Scan# 1041

Delta R.T. 0.00 min

Lab File: VV007962.D

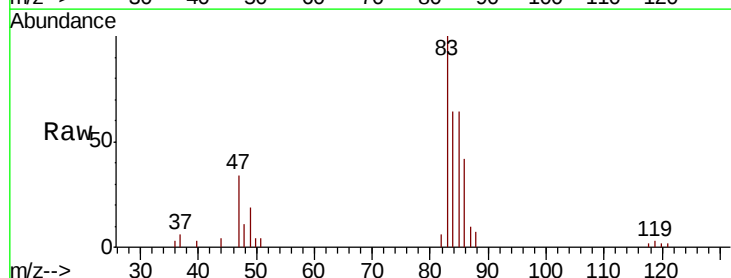
Acq: 28 Sep 2018 19:29

Tgt Ion: 83 Resp: 14095

Ion Ratio Lower Upper

83 100

85 63.7 44.8 83.2



Abundance Ion 83.05 (82.75 to 83.75): VV007943.D (-1021) (-)

Ion 85.00 (84.70 to 85.70): VV007943.D (-1021) (-)

4.44

6000

4000

2000

0

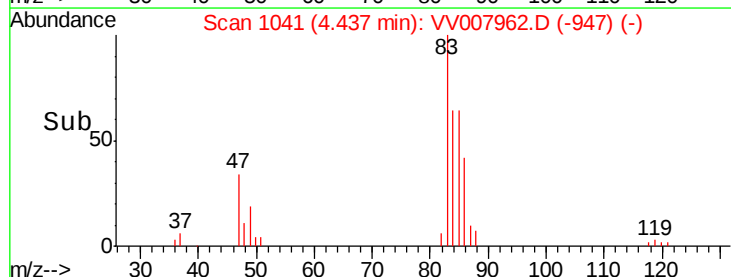
Time-->

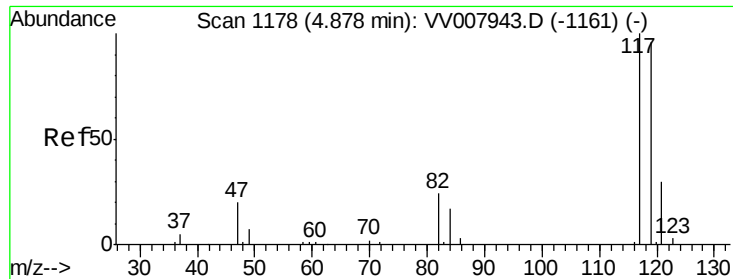
4.35

4.40

4.45

4.50

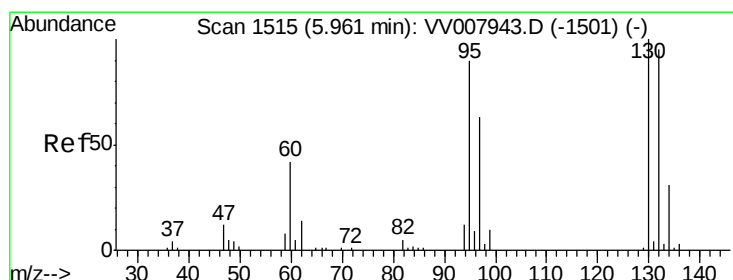
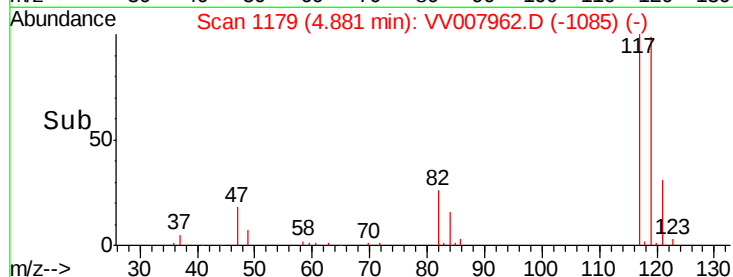
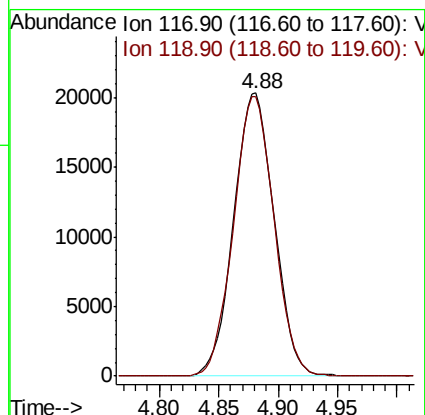
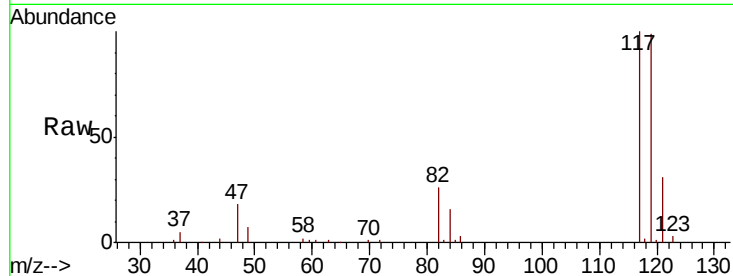




#31  
Carbon tetrachloride  
Concen: 5.603 ug/L  
RT: 4.88 min Scan# 1179  
Delta R.T. 0.00 min  
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ClientSampleId :  
GAC21

Tot Ion:117 Resp: 47870  
Ion Ratio Lower Upper  
117 100  
119 99.0 77.8 116.8



#34  
Trichloroethene  
Concen: 0.937 ug/L  
RT: 5.96 min Scan# 1516  
Delta R.T. 0.00 min  
Lab File: VV007962.D  
Acq: 28 Sep 2018 19:29

Tgt Ion: 95 Resp: 6191  
Ion Ratio Lower Upper  
95 100  
97 72.2 43.6 81.0  
132 111.0 69.9 129.9  
130 111.5 71.7 133.3

