

Data Path : Z:\VOASRV\HPCHEM1\MSVOA\_R\DATA\VR092718\  
 Data File : VR025892.D  
 Acq On : 28 Sep 2018 1:31  
 Operator : SY/MD  
 Sample : J5062-13  
 Misc : 25mL/MSVOA\_R/WATER  
 ALS Vial : 24 Sample Multiplier: 1

Instrument :  
 MSVOA\_R  
 ClientSampleId :  
 GAC13

Quant Time: Sep 28 07:30:42 2018  
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_R\METHODS\SOMRTR092718WMA.M  
 Quant Title : TRACE VOA SOM01.0  
 QLast Update : Fri Sep 28 05:44:06 2018  
 Response via : Initial Calibration

| Internal Standards         | R.T.  | QIon | Response | Conc | Units | Dev(Min) |
|----------------------------|-------|------|----------|------|-------|----------|
| 1) 1,4-Difluorobenzene     | 8.46  | 114  | 480730   | 5.00 | ug/L  | 0.00     |
| 28) Chlorobenzene-d5       | 11.29 | 117  | 386061   | 5.00 | ug/L  | 0.00     |
| 60) 1,4-Dichlorobenzene-d4 | 13.23 | 152  | 134866   | 5.00 | ug/L  | 0.00     |

## System Monitoring Compounds

|                                |        |       |          |          |      |         |
|--------------------------------|--------|-------|----------|----------|------|---------|
| 4) Vinyl Chloride-d3           | 2.15   | 65    | 193920   | 5.11     | ug/L | 0.00    |
| Spiked Amount                  | 5.000  | Range | 40 - 130 | Recovery | =    | 102.20% |
| 7) Chloroethane-d5             | 2.63   | 69    | 157929   | 5.10     | ug/L | 0.00    |
| Spiked Amount                  | 5.000  | Range | 65 - 130 | Recovery | =    | 102.00% |
| 11) 1,1-Dichloroethene-d2      | 3.63   | 63    | 342701   | 3.85     | ug/L | 0.00    |
| Spiked Amount                  | 5.000  | Range | 60 - 125 | Recovery | =    | 77.00%  |
| 20) 2-Butanone-d5              | 6.59   | 46    | 215063   | 50.89    | ug/L | 0.00    |
| Spiked Amount                  | 50.000 | Range | 40 - 130 | Recovery | =    | 101.78% |
| 24) Chloroform-d               | 7.20   | 84    | 306808   | 4.65     | ug/L | 0.00    |
| Spiked Amount                  | 5.000  | Range | 70 - 125 | Recovery | =    | 93.00%  |
| 26) 1,2-Dichloroethane-d4      | 7.89   | 65    | 134143   | 4.73     | ug/L | 0.00    |
| Spiked Amount                  | 5.000  | Range | 70 - 130 | Recovery | =    | 94.60%  |
| 32) Benzene-d6                 | 7.85   | 84    | 634441   | 4.94     | ug/L | 0.00    |
| Spiked Amount                  | 5.000  | Range | 70 - 125 | Recovery | =    | 98.80%  |
| 36) 1,2-Dichloropropane-d6     | 8.90   | 67    | 170008   | 4.91     | ug/L | 0.00    |
| Spiked Amount                  | 5.000  | Range | 60 - 140 | Recovery | =    | 98.20%  |
| 41) Toluene-d8                 | 9.97   | 98    | 573500   | 4.75     | ug/L | 0.00    |
| Spiked Amount                  | 5.000  | Range | 70 - 130 | Recovery | =    | 95.00%  |
| 43) trans-1,3-Dichloropropene- | 10.24  | 79    | 30607    | 3.90     | ug/L | 0.00    |
| Spiked Amount                  | 5.000  | Range | 55 - 130 | Recovery | =    | 78.00%  |
| 46) 2-Hexanone-d5              | 10.59  | 63    | 159511   | 53.22    | ug/L | 0.00    |
| Spiked Amount                  | 50.000 | Range | 45 - 130 | Recovery | =    | 106.44% |
| 57) 1,1,2,2-Tetrachloroethane- | 12.36  | 84    | 67870    | 4.83     | ug/L | 0.00    |
| Spiked Amount                  | 5.000  | Range | 65 - 120 | Recovery | =    | 96.60%  |
| 64) 1,2-Dichlorobenzene-d4     | 13.52  | 152   | 99951    | 4.63     | ug/L | 0.00    |
| Spiked Amount                  | 5.000  | Range | 80 - 120 | Recovery | =    | 92.60%  |

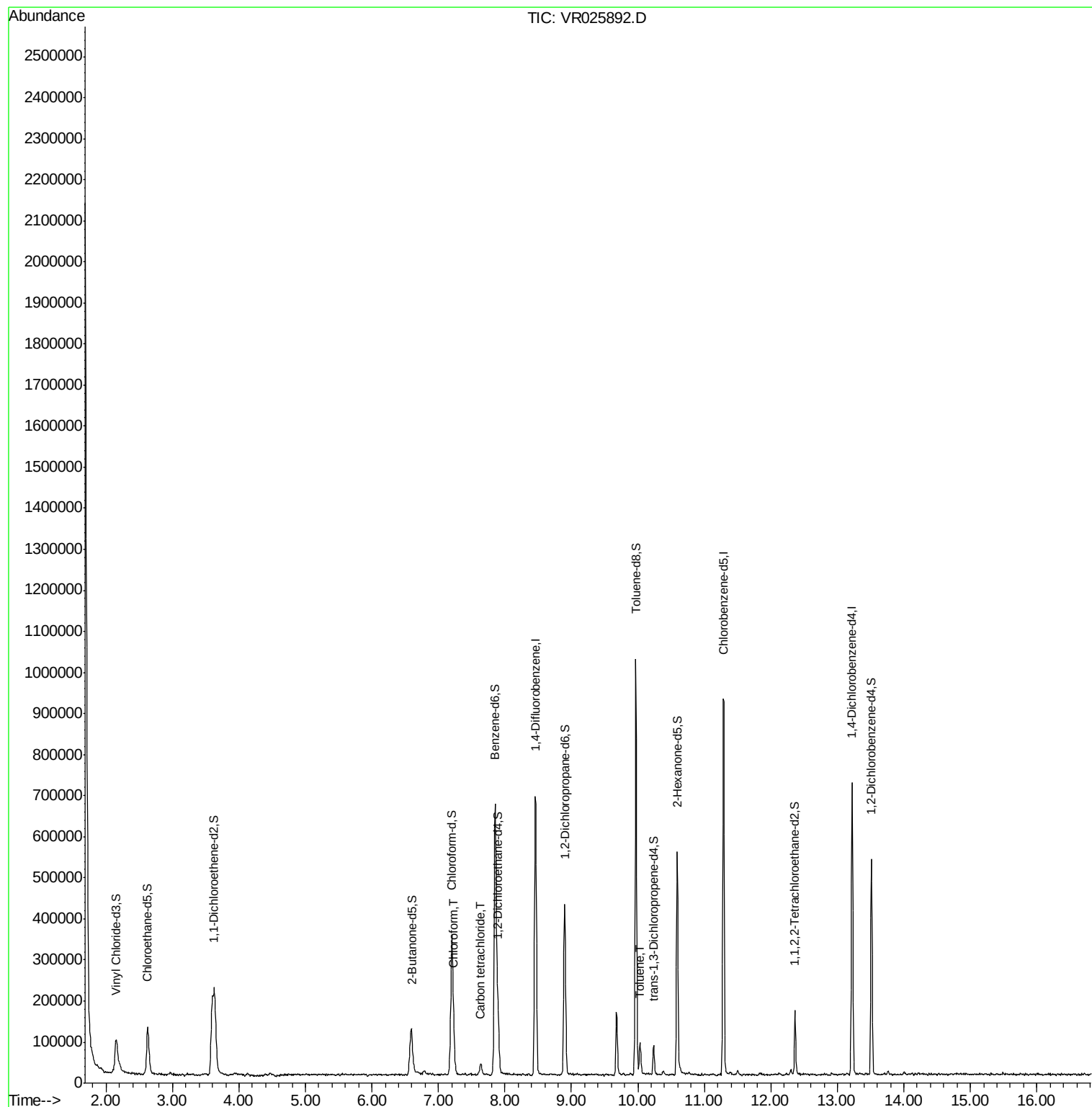
| Target Compounds         |       |     |       |            | Qvalue |
|--------------------------|-------|-----|-------|------------|--------|
| 25) Chloroform           | 7.23  | 83  | 66419 | 1.148 ug/L | 94     |
| 31) Carbon tetrachloride | 7.63  | 117 | 17167 | 0.457 ug/L | 92     |
| 42) Toluene              | 10.03 | 91  | 46039 | 0.342 ug/L | 96     |

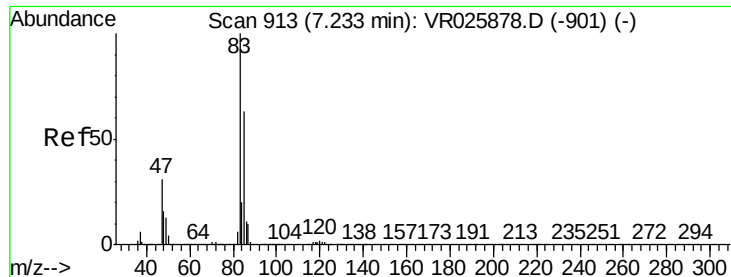
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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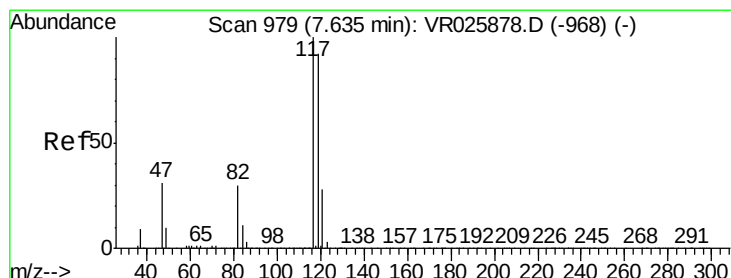
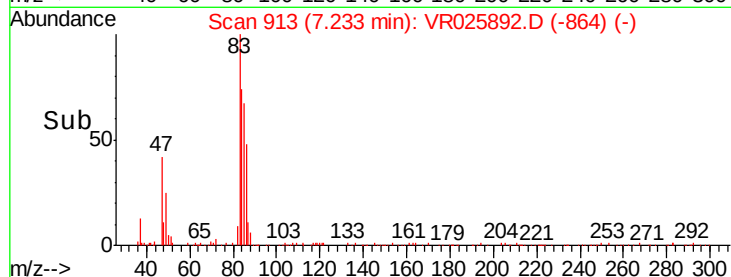
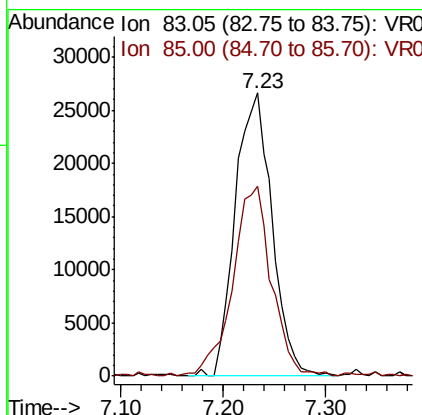
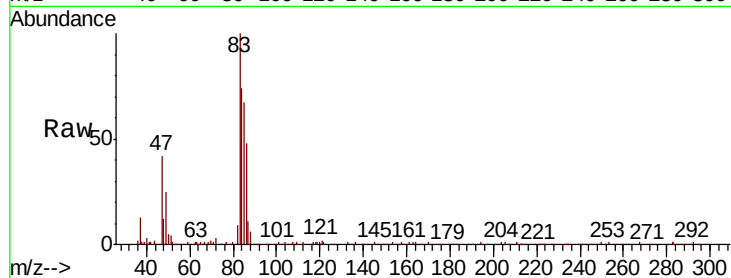




#25  
Chloroform  
Concen: 1.148 ug/L  
RT: 7.23 min Scan# 913  
Delta R.T. 0.00 min  
Lab File: VR025892.D  
Acq: 28 Sep 2018 1:31

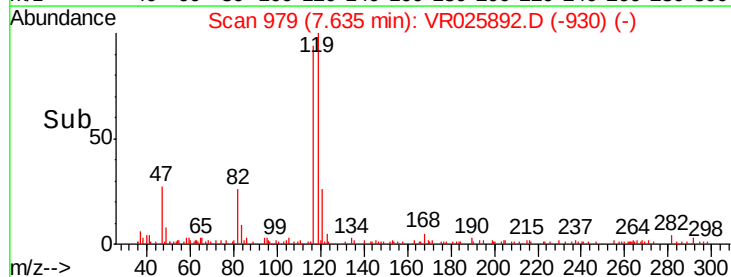
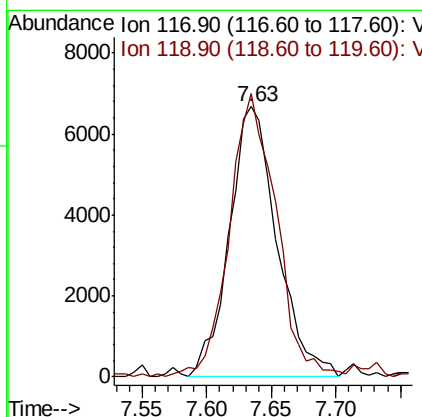
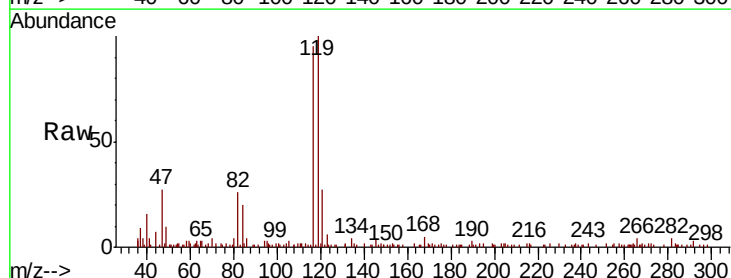
Instrument :  
MSVOA\_R  
ClientSampleId :  
GAC13

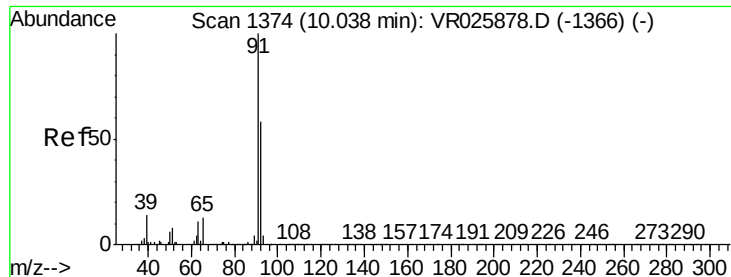
Tgt Ion: 83 Resp: 66419  
Ion Ratio Lower Upper  
83 100  
85 67.2 43.8 81.4



#31  
Carbon tetrachloride  
Concen: 0.457 ug/L  
RT: 7.63 min Scan# 979  
Delta R.T. 0.00 min  
Lab File: VR025892.D  
Acq: 28 Sep 2018 1:31

Tgt Ion: 117 Resp: 17167  
Ion Ratio Lower Upper  
117 100  
119 102.6 75.6 113.4





#42

Toluene

Concen: 0.342 ug/L

RT: 10.03 min Scan# 1373

Delta R.T. -0.01 min

Lab File: VR025892.D

Acq: 28 Sep 2018 1:31

Instrument :

MSVOA\_R

ClientSampleId :

GAC13

Tgt Ion: 91 Resp: 46039

Ion Ratio Lower Upper

91 100

92 63.0 41.8 77.6

