

Data Path : Z:\VOASRV\HPCHEM1\MSVOA V\DATA\VV100518\  
 Data File : VV008140.D  
 Acq On : 06 Oct 2018 10:33  
 Operator : SY/MD  
 Sample : J5277-17  
 Misc : 25.0 mL/MSVOA V/WATER  
 ALS Vial : 54 Sample Multiplier: 1

Instrument :  
 MSVOA\_V  
 ClientSampleId :

Quant Time: Oct 08 05:28:40 2018  
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_V\METHOD\SOMVTR100518WMA.M  
 Quant Title : TRACE VOA SOM01.0  
 QLast Update : Mon Oct 08 05:22:34 2018  
 Response via : Initial Calibration

| Internal Standards         | R.T.  | QIon | Response | Conc | Units | Dev(Min) |
|----------------------------|-------|------|----------|------|-------|----------|
| 1) 1,4-Difluorobenzene     | 5.67  | 114  | 95088    | 5.00 | ug/L  | 0.00     |
| 28) Chlorobenzene-d5       | 8.90  | 117  | 92015    | 5.00 | ug/L  | 0.00     |
| 60) 1,4-Dichlorobenzene-d4 | 11.30 | 152  | 41766    | 5.00 | ug/L  | 0.00     |

## System Monitoring Compounds

|                                |        |       |          |          |      |         |
|--------------------------------|--------|-------|----------|----------|------|---------|
| 4) Vinyl Chloride-d3           | 1.32   | 65    | 24364    | 4.18     | ug/L | 0.00    |
| Spiked Amount                  | 5.000  | Range | 40 - 130 | Recovery | =    | 83.60%  |
| 7) Chloroethane-d5             | 1.59   | 69    | 21849    | 4.44     | ug/L | 0.00    |
| Spiked Amount                  | 5.000  | Range | 65 - 130 | Recovery | =    | 88.80%  |
| 11) 1,1-Dichloroethene-d2      | 2.14   | 63    | 36597    | 3.20     | ug/L | 0.00    |
| Spiked Amount                  | 5.000  | Range | 60 - 125 | Recovery | =    | 64.00%  |
| 20) 2-Butanone-d5              | 3.97   | 46    | 71230    | 50.73    | ug/L | 0.00    |
| Spiked Amount                  | 50.000 | Range | 40 - 130 | Recovery | =    | 101.46% |
| 24) Chloroform-d               | 4.41   | 84    | 56042    | 4.65     | ug/L | 0.00    |
| Spiked Amount                  | 5.000  | Range | 70 - 125 | Recovery | =    | 93.00%  |
| 26) 1,2-Dichloroethane-d4      | 5.09   | 65    | 28728    | 4.77     | ug/L | 0.00    |
| Spiked Amount                  | 5.000  | Range | 70 - 130 | Recovery | =    | 95.40%  |
| 32) Benzene-d6                 | 5.10   | 84    | 103039   | 4.38     | ug/L | 0.00    |
| Spiked Amount                  | 5.000  | Range | 70 - 125 | Recovery | =    | 87.60%  |
| 36) 1,2-Dichloropropane-d6     | 6.13   | 67    | 32957    | 4.42     | ug/L | 0.00    |
| Spiked Amount                  | 5.000  | Range | 60 - 140 | Recovery | =    | 88.40%  |
| 41) Toluene-d8                 | 7.36   | 98    | 89478    | 3.91     | ug/L | 0.00    |
| Spiked Amount                  | 5.000  | Range | 70 - 130 | Recovery | =    | 78.20%  |
| 43) trans-1,3-Dichloropropene- | 7.67   | 79    | 9872     | 3.80     | ug/L | 0.00    |
| Spiked Amount                  | 5.000  | Range | 55 - 130 | Recovery | =    | 76.00%  |
| 46) 2-Hexanone-d5              | 8.14   | 63    | 44667    | 43.17    | ug/L | 0.00    |
| Spiked Amount                  | 50.000 | Range | 45 - 130 | Recovery | =    | 86.34%  |
| 57) 1,1,2,2-Tetrachloroethane- | 10.27  | 84    | 23565    | 4.50     | ug/L | 0.00    |
| Spiked Amount                  | 5.000  | Range | 65 - 120 | Recovery | =    | 90.00%  |
| 64) 1,2-Dichlorobenzene-d4     | 11.68  | 152   | 37436    | 4.72     | ug/L | 0.00    |
| Spiked Amount                  | 5.000  | Range | 80 - 120 | Recovery | =    | 94.40%  |

## Target Compounds

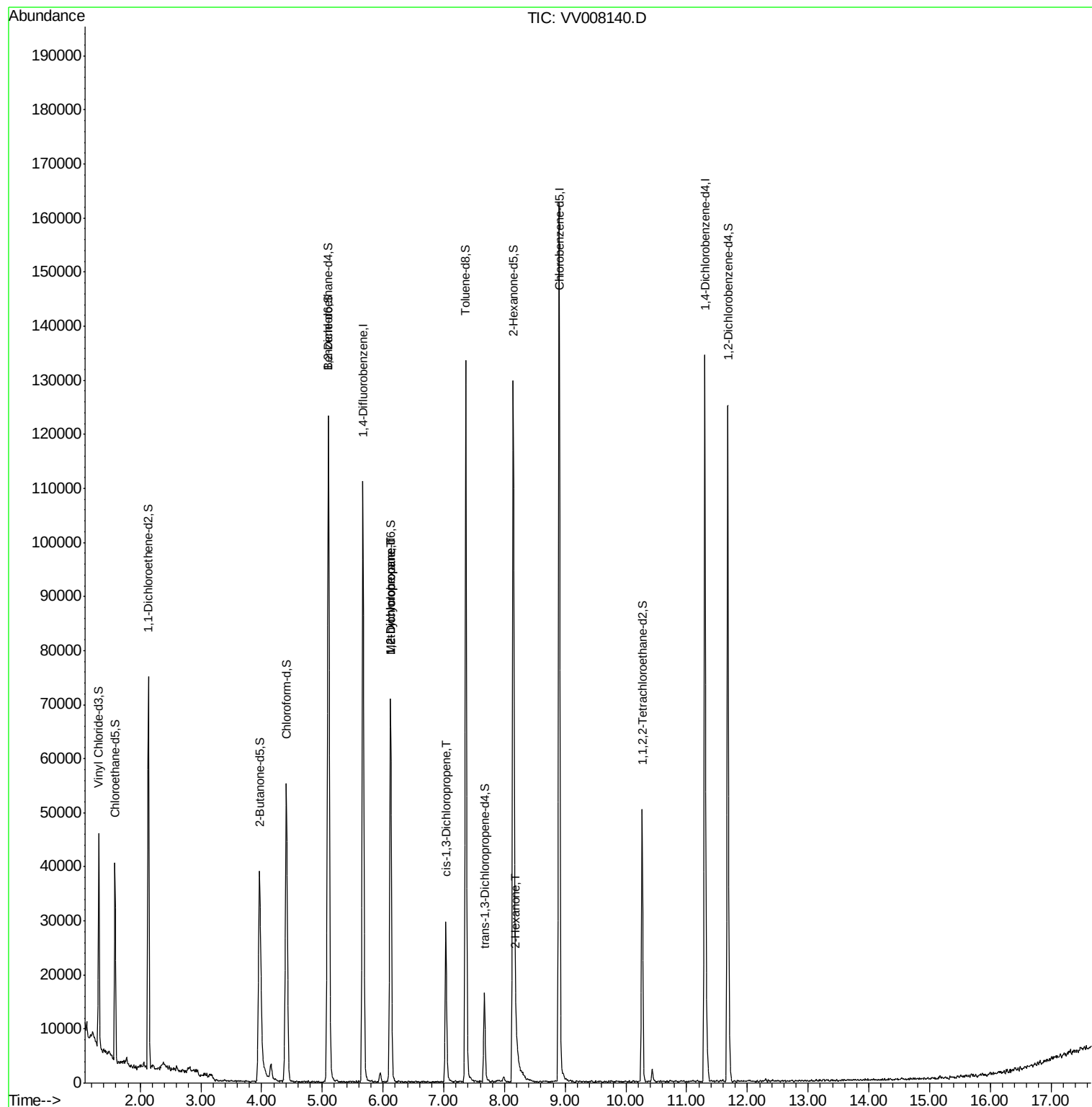
|                             |      |    |      |              | Ovalue |
|-----------------------------|------|----|------|--------------|--------|
| 35) Methylcyclohexane       | 6.13 | 83 | 8189 | 0.865 ug/L # | 17     |
| 37) 1,2-Dichloropropane     | 6.12 | 63 | 3687 | 0.589 ug/L # | 87     |
| 39) cis-1,3-Dichloropropene | 7.04 | 75 | 669  | 0.083 ug/L # | 56     |
| 48) 2-Hexanone              | 8.19 | 43 | 3594 | 1.491 ug/L # | 73     |

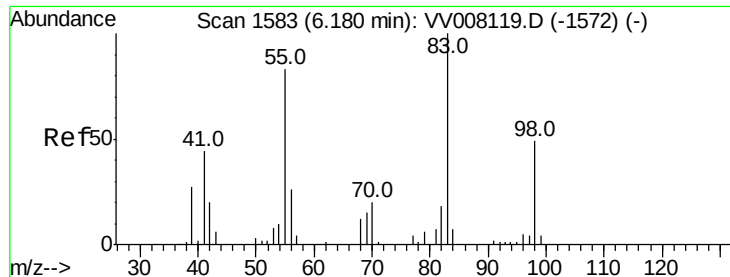
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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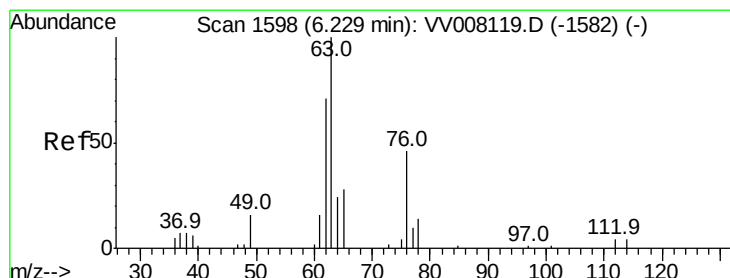
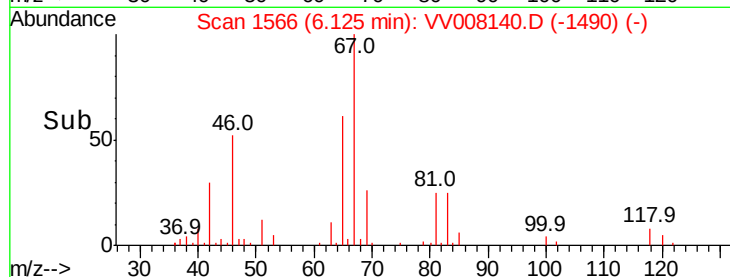
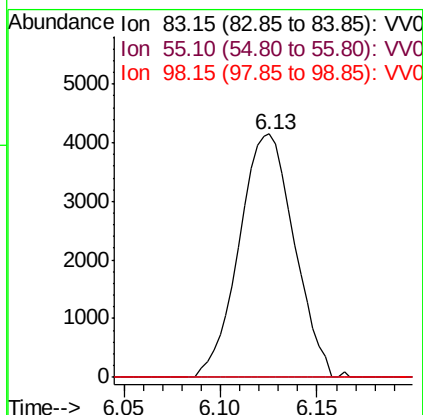
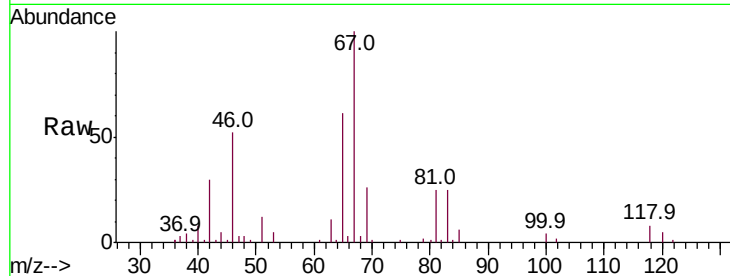




#35  
Methylvlcyclohexane  
Concen: 0.865 ug/L  
RT: 6.13 min Scan# 1566  
Delta R.T. -0.05 min  
Lab File: VV008140.D  
Acq: 06 Oct 2018 10:33

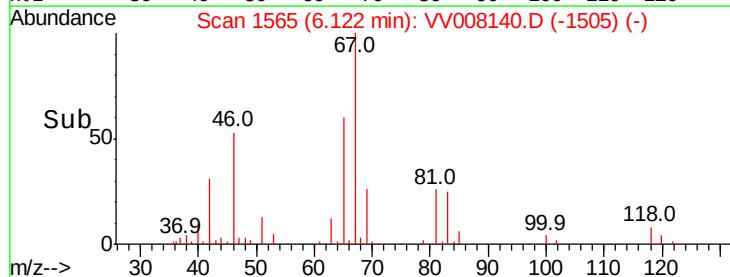
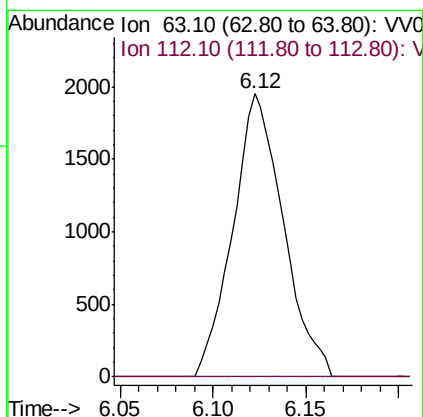
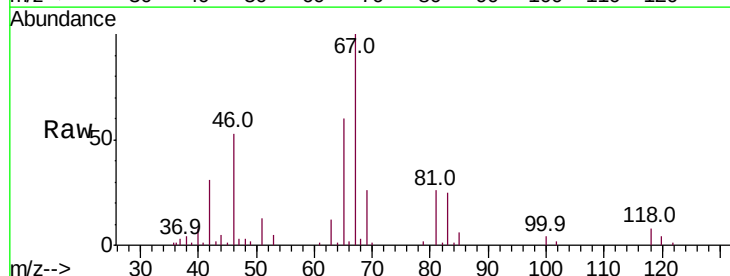
Instrument :  
MSVOA\_V  
ClientSampleId :

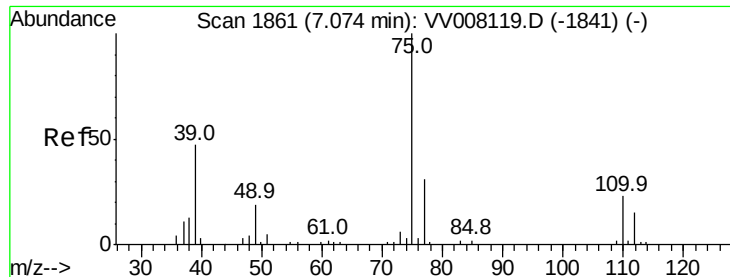
Tot Ion: 83 Resp: 8189  
Ion Ratio Lower Upper  
83 100  
55 0.0 63.6 95.4#  
98 0.3 38.3 57.5#



#37  
1,2-Dichloropropane  
Concen: 0.589 ug/L  
RT: 6.12 min Scan# 1565  
Delta R.T. -0.11 min  
Lab File: VV008140.D  
Acq: 06 Oct 2018 10:33

Tgt Ion: 63 Resp: 3687  
Ion Ratio Lower Upper  
63 100  
112 0.0 3.4 5.2#



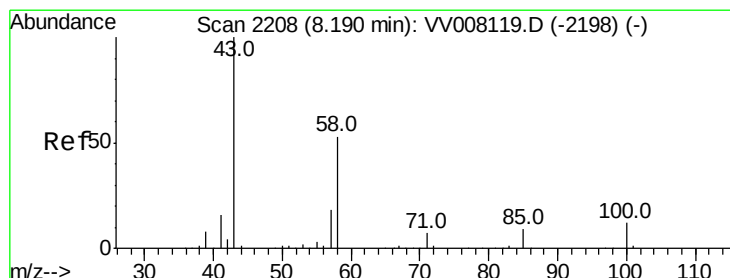
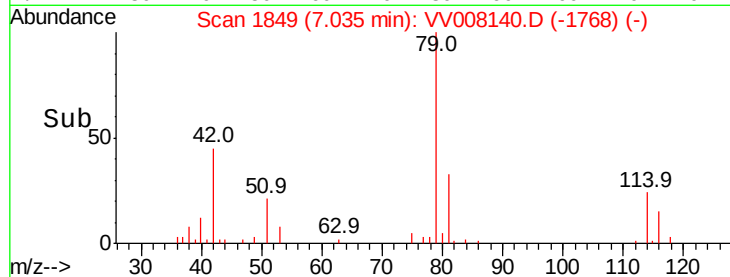
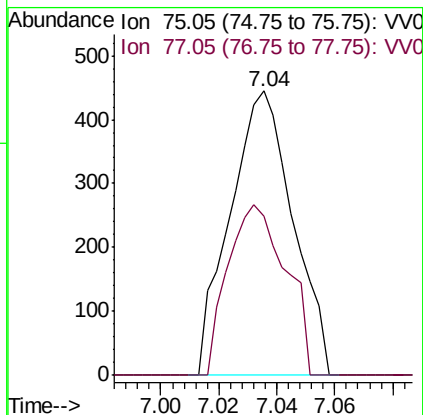
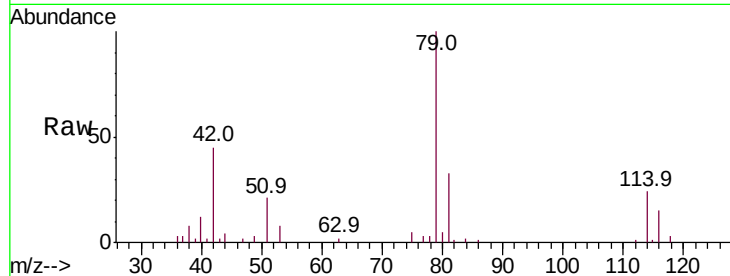


#39

cis-1,3-Dichloropropene  
 Concen: 0.083 ug/L  
 RT: 7.04 min Scan# 1849  
 Delta R.T. -0.04 min  
 Lab File: VV008140.D  
 Acq: 06 Oct 2018 10:33

Instrument :  
 MSVOA\_V  
 ClientSampleId :

Tot Ion: 75 Resp: 669  
 Ion Ratio Lower Upper  
 75 100  
 77 55.7 22.1 41.1#



#48

2-Hexanone  
 Concen: 1.491 ug/L  
 RT: 8.19 min Scan# 2209  
 Delta R.T. 0.00 min  
 Lab File: VV008140.D  
 Acq: 06 Oct 2018 10:33

Tgt Ion: 43 Resp: 3594  
 Ion Ratio Lower Upper  
 43 100  
 58 35.1 40.5 60.7#  
 57 0.0 14.6 22.0#  
 100 2.9 9.3 13.9#

