

Data Path : Z:\VOASRV\HPCHEM1\MSVOA\_R\DATA\VR071618\  
 Data File : VR025477.D  
 Acq On : 16 Jul 2018 15:29  
 Operator : SY/MD  
 Sample : J3960-09  
 Misc : 25mL/MSVOA\_R/WATER  
 ALS Vial : 6 Sample Multiplier: 1

Instrument :  
 MSVOA\_R  
 ClientSampleId :  
 VHBLK01

Quant Time: Jul 17 01:11:29 2018  
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_R\METHODS\SOMRTR070518WMA.M  
 Quant Title : TRACE VOA SOM01.0  
 QLast Update : Tue Jul 17 01:11:10 2018  
 Response via : Initial Calibration

| Internal Standards         | R.T.  | QIon | Response | Conc | Units | Dev(Min) |
|----------------------------|-------|------|----------|------|-------|----------|
| 1) 1,4-Difluorobenzene     | 8.44  | 114  | 706823   | 5.00 | ug/L  | -0.02    |
| 28) Chlorobenzene-d5       | 11.28 | 117  | 588860   | 5.00 | ug/L  | 0.00     |
| 60) 1,4-Dichlorobenzene-d4 | 13.22 | 152  | 219281   | 5.00 | ug/L  | 0.00     |

## System Monitoring Compounds

|                                |        |       |          |          |      |        |
|--------------------------------|--------|-------|----------|----------|------|--------|
| 4) Vinyl Chloride-d3           | 2.14   | 65    | 92008    | 4.72     | ug/L | -0.01  |
| Spiked Amount                  | 5.000  | Range | 40 - 130 | Recovery | =    | 94.40% |
| 7) Chloroethane-d5             | 2.61   | 69    | 71188    | 4.29     | ug/L | -0.02  |
| Spiked Amount                  | 5.000  | Range | 65 - 130 | Recovery | =    | 85.80% |
| 11) 1,1-Dichloroethene-d2      | 3.60   | 63    | 193954   | 3.29     | ug/L | -0.04  |
| Spiked Amount                  | 5.000  | Range | 60 - 125 | Recovery | =    | 65.80% |
| 20) 2-Butanone-d5              | 6.55   | 46    | 270696   | 44.72    | ug/L | -0.04  |
| Spiked Amount                  | 50.000 | Range | 40 - 130 | Recovery | =    | 89.44% |
| 24) Chloroform-d               | 7.17   | 84    | 389876   | 4.05     | ug/L | -0.03  |
| Spiked Amount                  | 5.000  | Range | 70 - 125 | Recovery | =    | 81.00% |
| 26) 1,2-Dichloroethane-d4      | 7.87   | 65    | 161799   | 4.38     | ug/L | -0.03  |
| Spiked Amount                  | 5.000  | Range | 70 - 130 | Recovery | =    | 87.60% |
| 32) Benzene-d6                 | 7.83   | 84    | 855658   | 4.34     | ug/L | -0.03  |
| Spiked Amount                  | 5.000  | Range | 70 - 125 | Recovery | =    | 86.80% |
| 36) 1,2-Dichloropropane-d6     | 8.88   | 67    | 241539   | 4.23     | ug/L | -0.02  |
| Spiked Amount                  | 5.000  | Range | 60 - 140 | Recovery | =    | 84.60% |
| 41) Toluene-d8                 | 9.96   | 98    | 759872   | 4.39     | ug/L | 0.00   |
| Spiked Amount                  | 5.000  | Range | 70 - 130 | Recovery | =    | 87.80% |
| 43) trans-1,3-Dichloropropene- | 10.22  | 79    | 64805    | 4.28     | ug/L | -0.01  |
| Spiked Amount                  | 5.000  | Range | 55 - 130 | Recovery | =    | 85.60% |
| 46) 2-Hexanone-d5              | 10.58  | 63    | 236108   | 48.23    | ug/L | 0.00   |
| Spiked Amount                  | 50.000 | Range | 45 - 130 | Recovery | =    | 96.46% |
| 57) 1,1,2,2-Tetrachloroethane- | 12.36  | 84    | 108844   | 4.26     | ug/L | 0.00   |
| Spiked Amount                  | 5.000  | Range | 65 - 120 | Recovery | =    | 85.20% |
| 64) 1,2-Dichlorobenzene-d4     | 13.51  | 152   | 177704   | 4.91     | ug/L | 0.00   |
| Spiked Amount                  | 5.000  | Range | 80 - 120 | Recovery | =    | 98.20% |

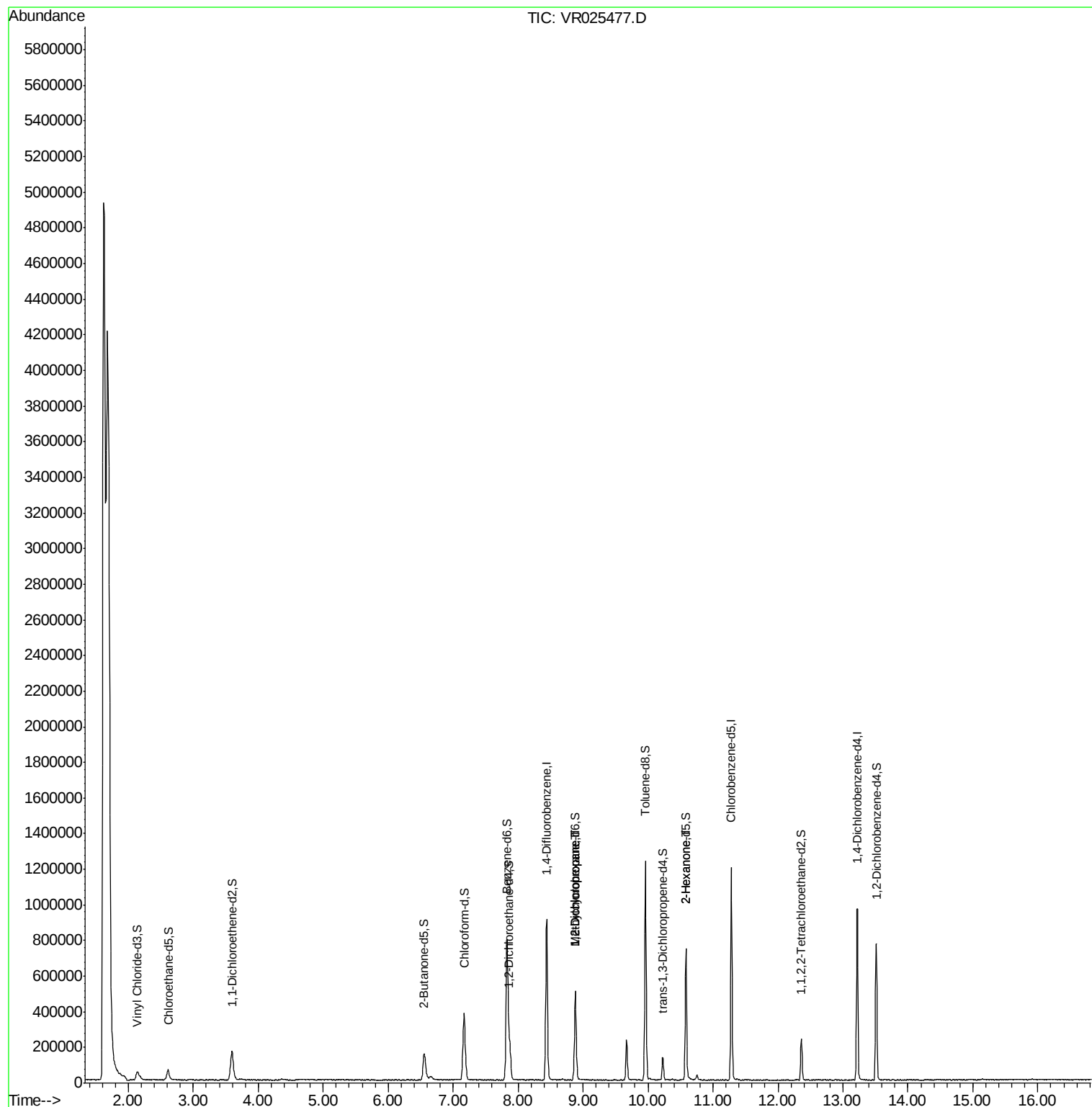
| Target Compounds        |       |    |       |              | Qvalue |
|-------------------------|-------|----|-------|--------------|--------|
| 35) Methylcyclohexane   | 8.88  | 83 | 58545 | 0.847 ug/L # | 17     |
| 37) 1,2-Dichloropropane | 8.88  | 63 | 25611 | 0.543 ug/L # | 94     |
| 48) 2-Hexanone          | 10.58 | 43 | 28517 | 3.032 ug/L # | 69     |

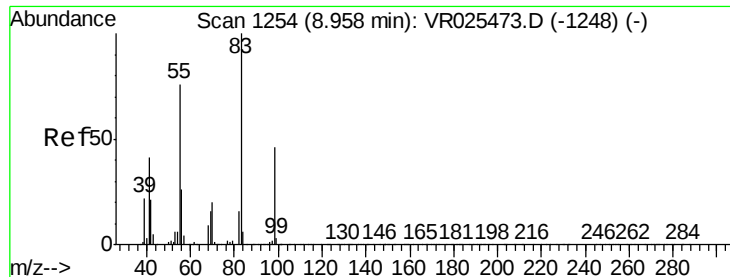
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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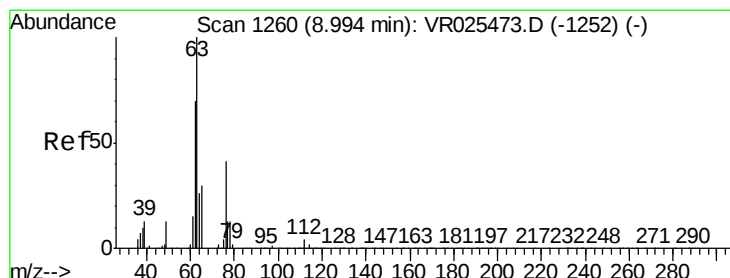
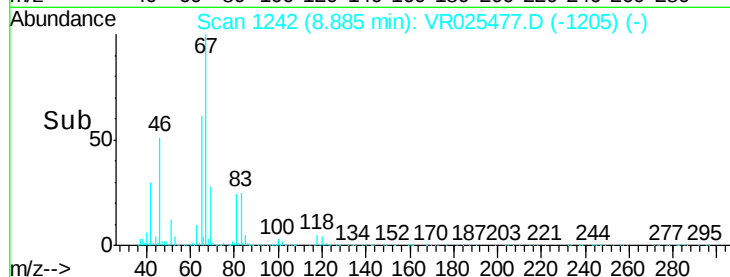
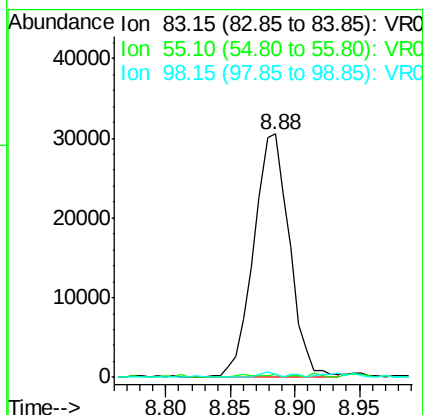
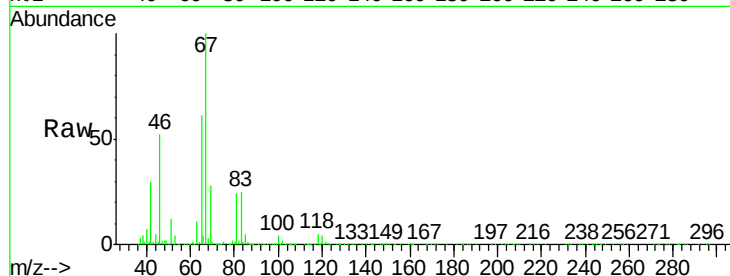




#35  
Methylcyclohexane  
Concen: 0.847 ug/L  
RT: 8.88 min Scan# 1242  
Delta R.T. -0.07 min  
Lab File: VR025477.D  
Acq: 16 Jul 2018 15:29

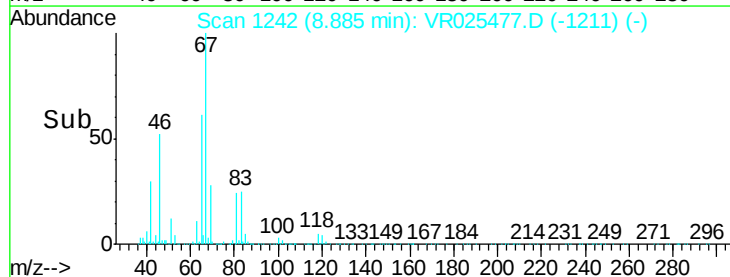
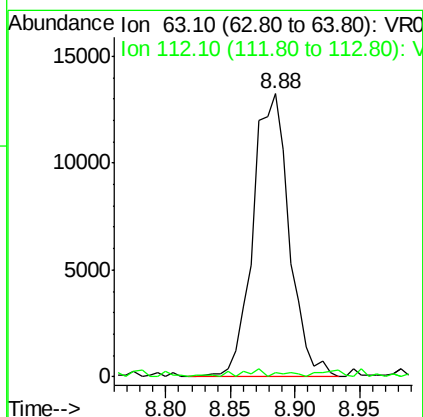
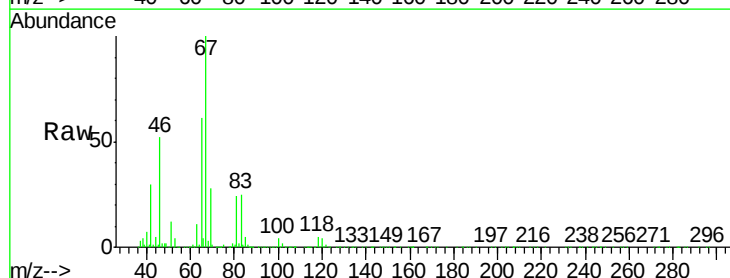
Instrument :  
MSVOA\_R  
ClientSampleId :  
VHBLK01

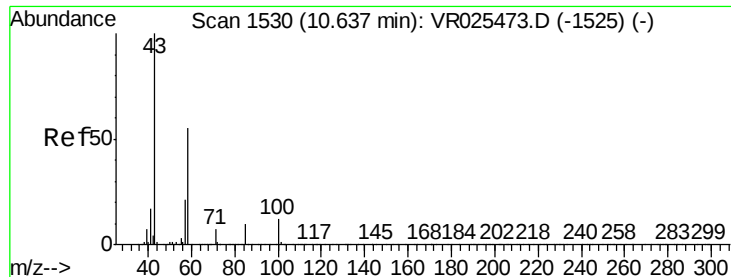
| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 83      | 100   |       |       |
| 55      | 0.6   | 66.1  | 99.1# |
| 98      | 0.9   | 36.2  | 54.4# |



#37  
1,2-Dichloropropane  
Concen: 0.543 ug/L  
RT: 8.88 min Scan# 1242  
Delta R.T. -0.11 min  
Lab File: VR025477.D  
Acq: 16 Jul 2018 15:29

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 63      | 100   |       |       |
| 112     | 1.7   | 2.9   | 4.3#  |





#48

2-Hexanone

Concen: 3.032 ug/L

RT: 10.58 min Scan# 1521

Delta R.T. -0.05 min

Lab File: VR025477.D

Acq: 16 Jul 2018 15:29

Instrument :

MSVOA\_R

ClientSampleId :

VHBLK01

Tgt Ion: 43 Resp: 28517

Ion Ratio Lower Upper

43 100

58 27.1 43.1 64.7#

57 28.2 15.3 22.9#

100 3.5 7.9 11.9#

