

Data File : VR026162.D  
Acq On : 2 Nov 2018 15:55  
Operator : SY/MD  
Sample : VR1102WBL01  
Misc : 25mL/MSVOA\_R/WATER  
ALS Vial : 3 Sample Multiplier: 1

Instrument :  
MSVOA\_R  
ClientSampleId :  
VBLK90

Quant Time: Nov 03 06:49:12 2018  
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_R\METHODS\SOMRTR101518WMA.M  
Quant Title : TRACE VOA SOM01.0  
QLast Update : Sat Nov 03 06:46:43 2018  
Response via : Initial Calibration

| Internal Standards         | R.T.  | QIon | Response | Conc | Units | Dev(Min) |
|----------------------------|-------|------|----------|------|-------|----------|
| 1) 1,4-Difluorobenzene     | 8.46  | 114  | 632664   | 5.00 | ug/L  | 0.00     |
| 28) Chlorobenzene-d5       | 11.29 | 117  | 539410   | 5.00 | ug/L  | 0.00     |
| 60) 1,4-Dichlorobenzene-d4 | 13.23 | 152  | 176135   | 5.00 | ug/L  | 0.00     |

#### System Monitoring Compounds

|                                |        |       |          |          |      |         |
|--------------------------------|--------|-------|----------|----------|------|---------|
| 4) Vinyl Chloride-d3           | 2.16   | 65    | 225933   | 4.08     | ug/L | 0.00    |
| Spiked Amount                  | 5.000  | Range | 40 - 130 | Recovery | =    | 81.60%  |
| 7) Chloroethane-d5             | 2.63   | 69    | 195728   | 4.11     | ug/L | 0.00    |
| Spiked Amount                  | 5.000  | Range | 65 - 130 | Recovery | =    | 82.20%  |
| 11) 1,1-Dichloroethene-d2      | 3.62   | 63    | 425369   | 3.13     | ug/L | -0.01   |
| Spiked Amount                  | 5.000  | Range | 60 - 125 | Recovery | =    | 62.60%  |
| 20) 2-Butanone-d5              | 6.59   | 46    | 237498   | 52.25    | ug/L | 0.00    |
| Spiked Amount                  | 50.000 | Range | 40 - 130 | Recovery | =    | 104.50% |
| 24) Chloroform-d               | 7.20   | 84    | 407506   | 4.63     | ug/L | 0.00    |
| Spiked Amount                  | 5.000  | Range | 70 - 125 | Recovery | =    | 92.60%  |
| 26) 1,2-Dichloroethane-d4      | 7.90   | 65    | 170102   | 4.65     | ug/L | 0.00    |
| Spiked Amount                  | 5.000  | Range | 70 - 130 | Recovery | =    | 93.00%  |
| 32) Benzene-d6                 | 7.86   | 84    | 822922   | 4.75     | ug/L | 0.00    |
| Spiked Amount                  | 5.000  | Range | 70 - 125 | Recovery | =    | 95.00%  |
| 36) 1,2-Dichloropropane-d6     | 8.90   | 67    | 220497   | 4.93     | ug/L | 0.00    |
| Spiked Amount                  | 5.000  | Range | 60 - 140 | Recovery | =    | 98.60%  |
| 41) Toluene-d8                 | 9.97   | 98    | 786030   | 4.80     | ug/L | 0.00    |
| Spiked Amount                  | 5.000  | Range | 70 - 130 | Recovery | =    | 96.00%  |
| 43) trans-1,3-Dichloropropene- | 10.23  | 79    | 54071    | 4.61     | ug/L | 0.00    |
| Spiked Amount                  | 5.000  | Range | 55 - 130 | Recovery | =    | 92.20%  |
| 46) 2-Hexanone-d5              | 10.59  | 63    | 185111   | 54.61    | ug/L | 0.00    |
| Spiked Amount                  | 50.000 | Range | 45 - 130 | Recovery | =    | 109.22% |
| 57) 1,1,2,2-Tetrachloroethane- | 12.36  | 84    | 87804    | 5.00     | ug/L | 0.00    |
| Spiked Amount                  | 5.000  | Range | 65 - 120 | Recovery | =    | 100.00% |
| 64) 1,2-Dichlorobenzene-d4     | 13.52  | 152   | 150667   | 5.41     | ug/L | 0.00    |
| Spiked Amount                  | 5.000  | Range | 80 - 120 | Recovery | =    | 108.20% |

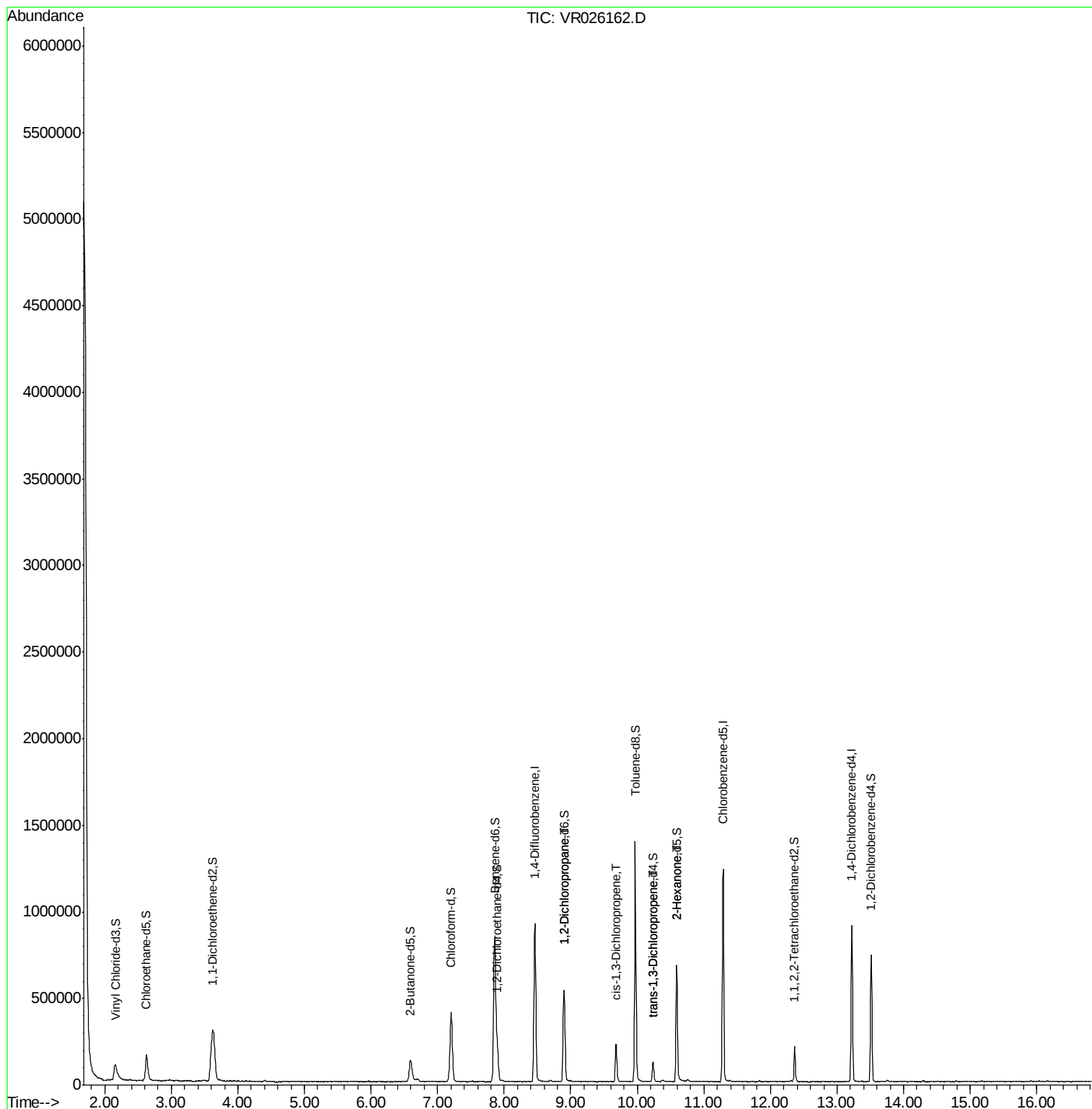
| Target Compounds              |       |    |       |              | Qvalue |
|-------------------------------|-------|----|-------|--------------|--------|
| 37) 1,2-Dichloropropane       | 8.90  | 63 | 28260 | 0.662 ug/L # | 93     |
| 39) cis-1,3-Dichloropropene   | 9.68  | 75 | 6963  | 0.142 ug/L   | 89     |
| 44) trans-1,3-Dichloropropene | 10.24 | 75 | 3098  | 0.091 ug/L   | 86     |
| 48) 2-Hexanone                | 10.59 | 43 | 28957 | 3.400 ug/L # | 70     |

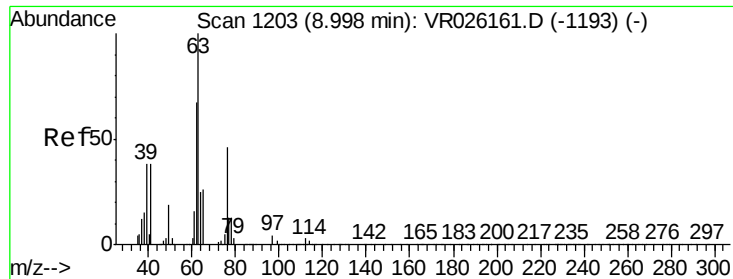
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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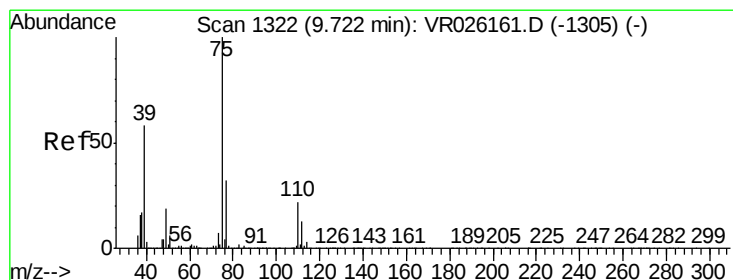
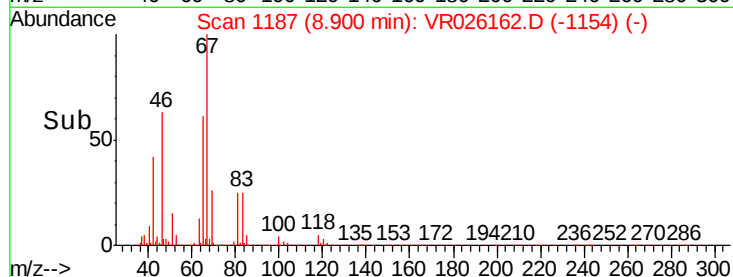
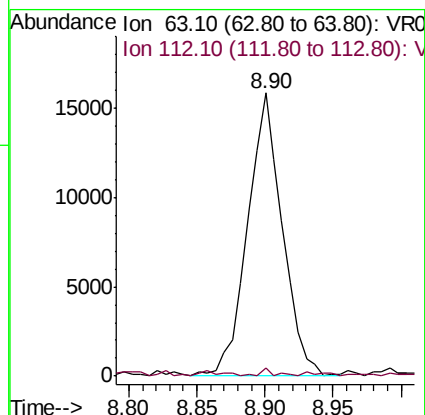
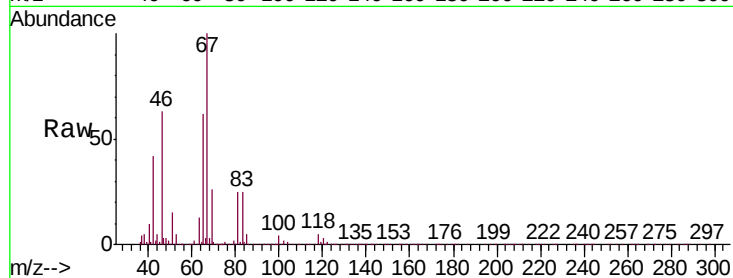




#37  
 1,2-Dichloropropane  
 Concen: 0.662 ug/L  
 RT: 8.90 min Scan# 1187  
 Delta R.T. -0.10 min  
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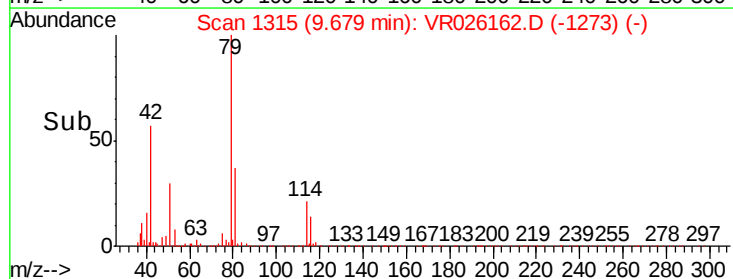
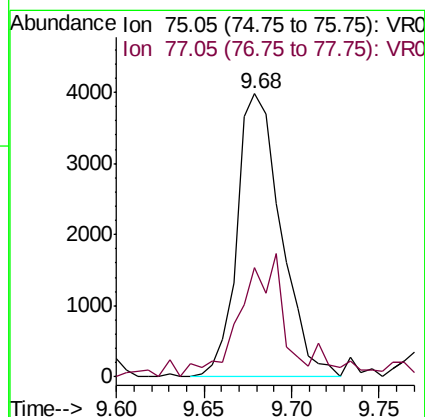
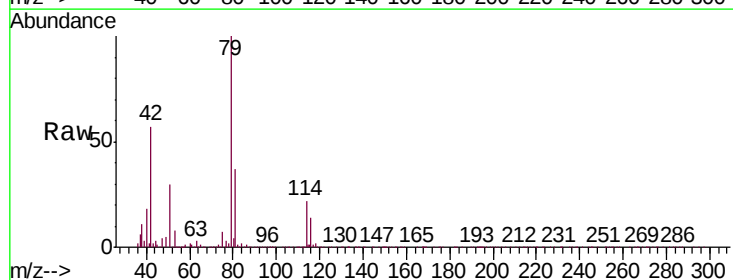
Instrument :  
 MSVOA\_R  
 ClientSampleId :  
 VBLK90

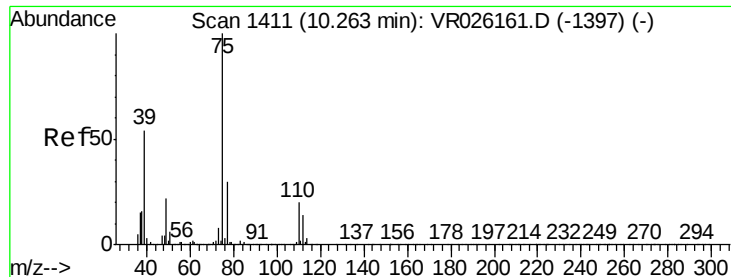
Tgt Ion: 63 Resp: 28260  
 Ion Ratio Lower Upper  
 63 100  
 112 1.0 2.7 4.1#



#39  
 cis-1,3-Dichloropropene  
 Concen: 0.142 ug/L  
 RT: 9.68 min Scan# 1315  
 Delta R.T. -0.04 min  
 Lab File: VR026162.D  
 Acq: 2 Nov 2018 15:55

Tgt Ion: 75 Resp: 6963  
 Ion Ratio Lower Upper  
 75 100  
 77 38.8 22.7 42.1





#44

trans-1,3-Dichloropropene

Concen: 0.091 ug/L

RT: 10.24 min Scan# 1407

Delta R.T. -0.02 min

Lab File: VR026162.D

Acq: 2 Nov 2018 15:55

Instrument :

MSVOA\_R

ClientSampleId :

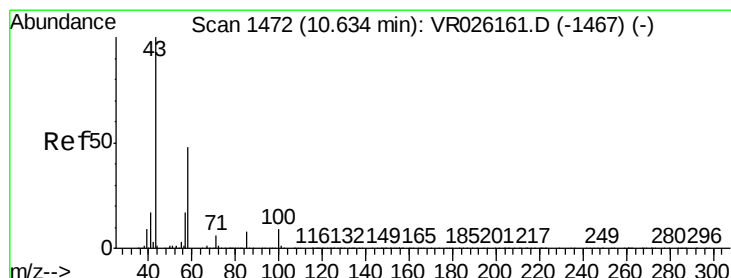
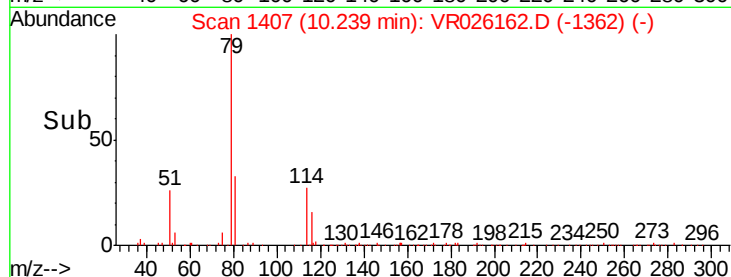
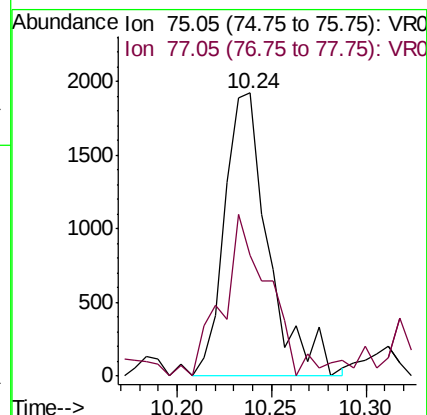
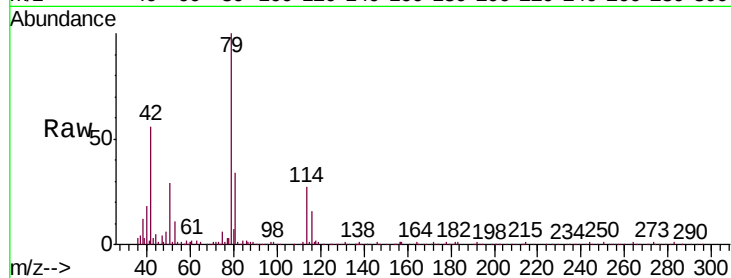
VBLK90

Tgt Ion: 75 Resp: 3098

Ion Ratio Lower Upper

75 100

77 42.5 24.1 44.7



#48

2-Hexanone

Concen: 3.400 ug/L

RT: 10.59 min Scan# 1465

Delta R.T. -0.04 min

Lab File: VR026162.D

Acq: 2 Nov 2018 15:55

Tgt Ion: 43 Resp: 28957

Ion Ratio Lower Upper

43 100

58 25.1 39.6 59.4#

57 27.4 14.0 21.0#

100 4.0 7.0 10.6#

