

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VO092820\  
 Data File : VX018631.D  
 Acq On : 28 Sep 2020 21:44  
 Operator : JC/SP  
 Sample : L4135-11  
 Misc : 25.0mL/MSVOA X/WATER  
 ALS Vial : 23 Sample Multiplier: 1

Instrument :  
 MSVOA\_X  
 ClientSampleId :  
 BG484

Quant Time: Sep 29 05:19:40 2020  
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_X\METHOD\SOMXTR092820WMA.M  
 Quant Title : TRACE VOA SOM01.0  
 QLast Update : Tue Sep 29 02:30:52 2020  
 Response via : Initial Calibration

| Internal Standards         | R.T.  | QIon | Response | Conc | Units | Dev(Min) |
|----------------------------|-------|------|----------|------|-------|----------|
| 1) 1,4-Difluorobenzene     | 6.83  | 114  | 299380   | 5.00 | ug/L  | 0.00     |
| 28) Chlorobenzene-d5       | 10.10 | 117  | 285619   | 5.00 | ug/L  | 0.00     |
| 61) 1,4-Dichlorobenzene-d4 | 12.06 | 152  | 131243   | 5.00 | ug/L  | 0.00     |

## System Monitoring Compounds

|                                |        |       |          |          |      |        |
|--------------------------------|--------|-------|----------|----------|------|--------|
| 4) Vinyl Chloride-d3           | 1.39   | 65    | 67812    | 4.33     | ug/L | 0.00   |
| Spiked Amount                  | 5.000  | Range | 40 - 130 | Recovery | =    | 86.60% |
| 7) Chloroethane-d5             | 1.70   | 69    | 55925    | 4.23     | ug/L | 0.00   |
| Spiked Amount                  | 5.000  | Range | 65 - 130 | Recovery | =    | 84.60% |
| 11) 1,1-Dichloroethene-d2      | 2.34   | 63    | 115266   | 3.33     | ug/L | 0.00   |
| Spiked Amount                  | 5.000  | Range | 60 - 125 | Recovery | =    | 66.60% |
| 20) 2-Butanone-d5              | 4.55   | 46    | 197368   | 49.41    | ug/L | -0.01  |
| Spiked Amount                  | 50.000 | Range | 40 - 130 | Recovery | =    | 98.82% |
| 24) Chloroform-d               | 5.14   | 84    | 157783   | 4.25     | ug/L | 0.00   |
| Spiked Amount                  | 5.000  | Range | 70 - 125 | Recovery | =    | 85.00% |
| 26) 1,2-Dichloroethane-d4      | 6.03   | 65    | 86199    | 3.99     | ug/L | 0.00   |
| Spiked Amount                  | 5.000  | Range | 70 - 130 | Recovery | =    | 79.80% |
| 32) Benzene-d6                 | 6.05   | 84    | 299650   | 4.55     | ug/L | 0.00   |
| Spiked Amount                  | 5.000  | Range | 70 - 125 | Recovery | =    | 91.00% |
| 36) 1,2-Dichloropropane-d6     | 7.37   | 67    | 91821    | 4.57     | ug/L | 0.00   |
| Spiked Amount                  | 5.000  | Range | 60 - 140 | Recovery | =    | 91.40% |
| 41) Toluene-d8                 | 8.70   | 98    | 272893   | 4.16     | ug/L | 0.00   |
| Spiked Amount                  | 5.000  | Range | 70 - 130 | Recovery | =    | 83.20% |
| 45) trans-1,3-Dichloropropene- | 8.99   | 79    | 36862    | 4.12     | ug/L | 0.00   |
| Spiked Amount                  | 5.000  | Range | 55 - 130 | Recovery | =    | 82.40% |
| 48) 2-Hexanone-d5              | 9.43   | 63    | 155326   | 48.55    | ug/L | 0.00   |
| Spiked Amount                  | 50.000 | Range | 45 - 130 | Recovery | =    | 97.10% |
| 59) 1,1,2,2-Tetrachloroethane- | 11.23  | 84    | 66448    | 4.44     | ug/L | 0.00   |
| Spiked Amount                  | 5.000  | Range | 65 - 120 | Recovery | =    | 88.80% |
| 65) 1,2-Dichlorobenzene-d4     | 12.36  | 152   | 101487   | 4.73     | ug/L | 0.00   |
| Spiked Amount                  | 5.000  | Range | 80 - 120 | Recovery | =    | 94.60% |

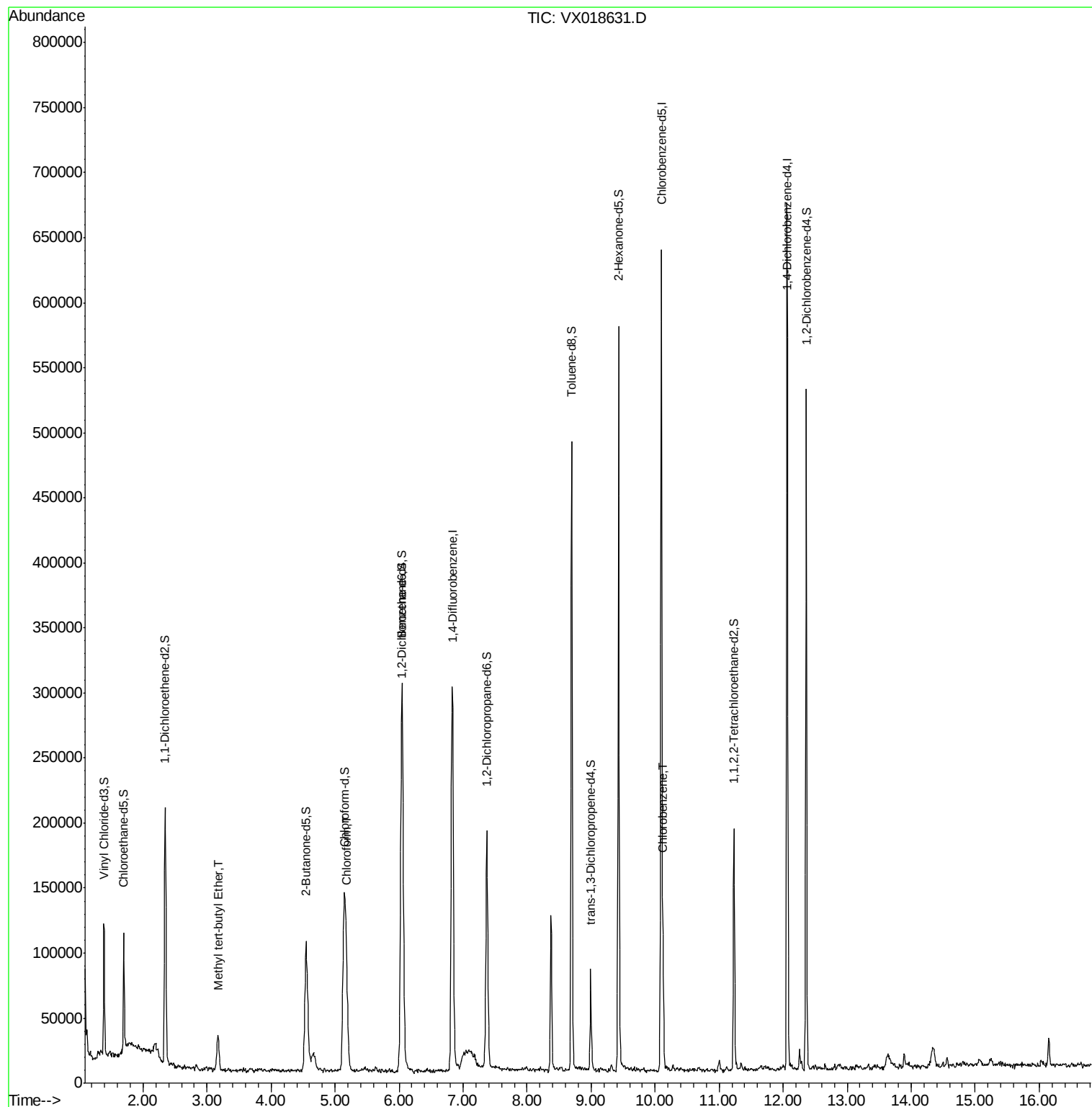
| Target Compounds            |       |     |       |            | Ovalue |
|-----------------------------|-------|-----|-------|------------|--------|
| 17) Methyl tert-butyl Ether | 3.17  | 73  | 31264 | 0.961 ug/L | 95     |
| 25) Chloroform              | 5.18  | 83  | 86945 | 3.036 ug/L | 97     |
| 53) Chlorobenzene           | 10.12 | 112 | 41253 | 1.050 ug/L | 96     |

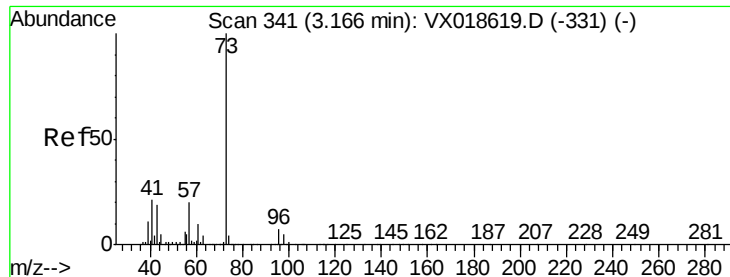
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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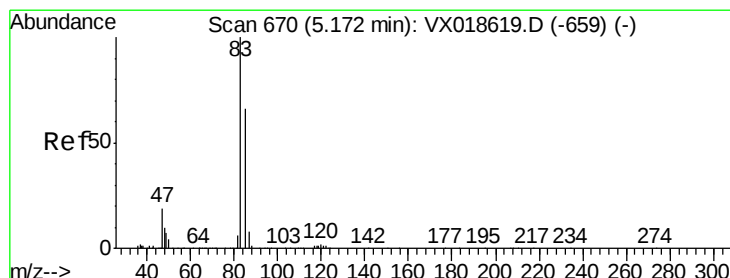
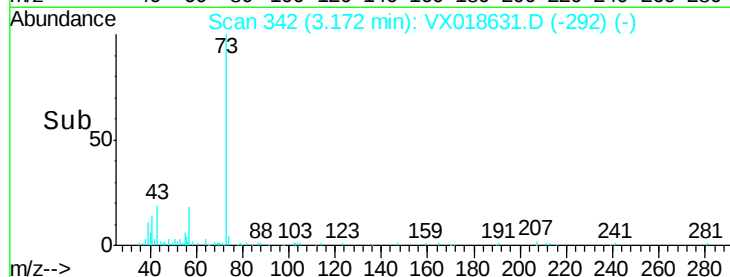
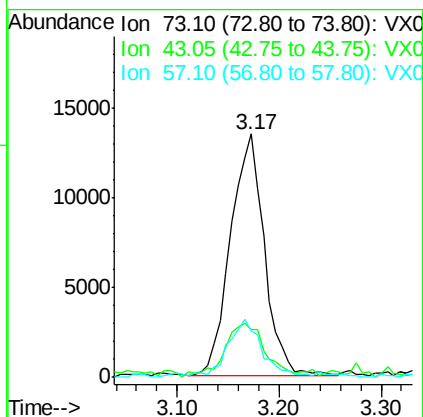
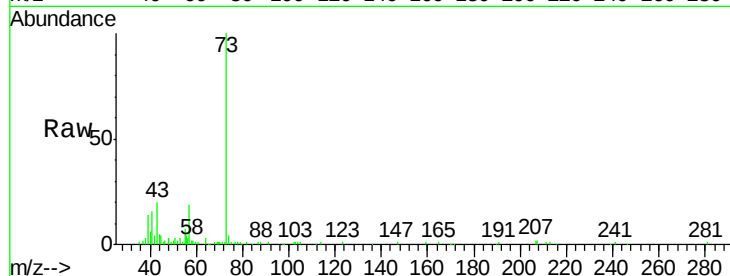




#17  
Methvl tert-butvl Ether  
Concen: 0.961 ug/L  
RT: 3.17 min Scan# 342  
Delta R.T. 0.01 min  
Lab File: VX018631.D  
Acq: 28 Sep 2020 21:44

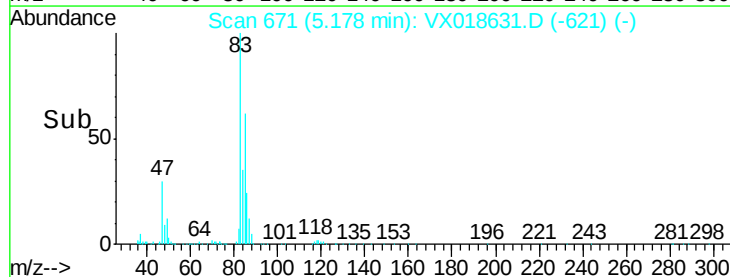
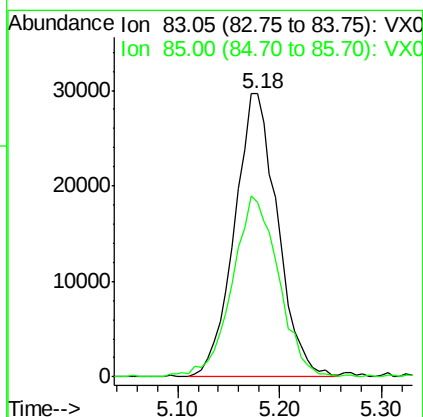
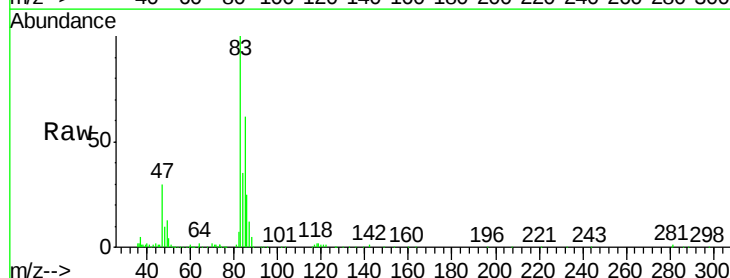
Instrument :  
MSVOA\_X  
ClientSampleId :  
BG484

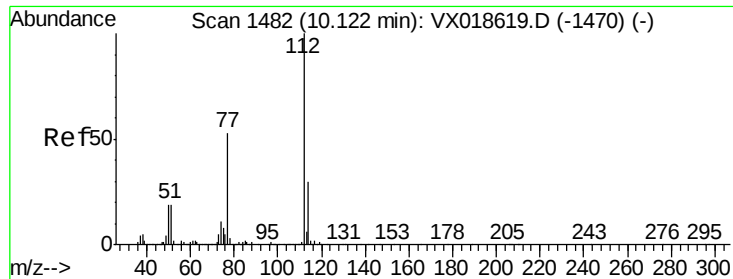
Tot Ion: 73 Resp: 31264  
Ion Ratio Lower Upper  
73 100  
43 27.1 18.6 27.8  
57 22.3 17.3 25.9



#25  
Chloroform  
Concen: 3.036 ug/L  
RT: 5.18 min Scan# 671  
Delta R.T. 0.01 min  
Lab File: VX018631.D  
Acq: 28 Sep 2020 21:44

Tgt Ion: 83 Resp: 86945  
Ion Ratio Lower Upper  
83 100  
85 61.8 41.8 77.6





#53

Chlorobenzene

Concen: 1.050 ug/L

RT: 10.12 min Scan# 1482

Delta R.T. 0.00 min

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Acq: 28 Sep 2020 21:44

Instrument :

MSVOA\_X

ClientSampleId :

BG484

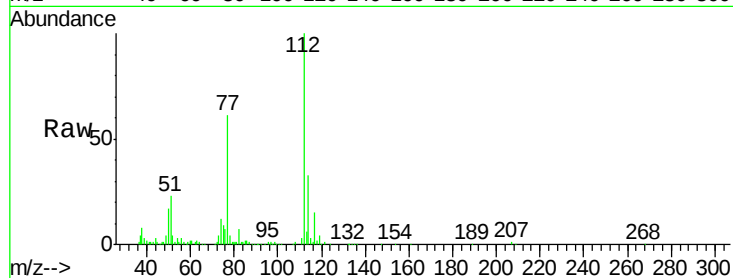
Tot Ion:112 Resp: 41253

Ion Ratio Lower Upper

112 100

114 32.7 20.6 38.4

77 60.5 46.6 69.8



Abundance Ion 112.10 (111.80 to 112.80): V

Ion 114.05 (113.75 to 114.75): V

Ion 77.10 (76.80 to 77.80): VX0

