

Data Path : Z:\VOASRV\HPCHEM1\MSVOA Y\DATA\VY121120\  
 Data File : VY003739.D  
 Acq On : 11 Dec 2020 19:52  
 Operator : SY/MD  
 Sample : VIBLK  
 Misc : 5.00G/10ML/MSVOA Y/SOIL  
 ALS Vial : 14 Sample Multiplier: 1

Instrument :  
 MSVOA\_Y  
 ClientSampleId :  
 VIBLK05

Quant Time: Dec 12 01:42:48 2020  
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_Y\METHODS\SOM2YLM120420S.M  
 Quant Title : VOC Analysis  
 QLast Update : Fri Dec 11 10:03:37 2020  
 Response via : Initial Calibration

| Internal Standards         | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|----------------------------|-------|------|----------|-------|-------|----------|
| 1) 1,4-Difluorobenzene     | 8.70  | 114  | 343032   | 25.00 | ug/L  | 0.00     |
| 28) Chlorobenzene-d5       | 11.49 | 117  | 325729   | 25.00 | ug/L  | 0.00     |
| 60) 1,4-Dichlorobenzene-d4 | 13.42 | 152  | 169340   | 25.00 | ug/L  | 0.00     |

## System Monitoring Compounds

|                                |        |       |          |          |      |        |
|--------------------------------|--------|-------|----------|----------|------|--------|
| 4) Vinyl Chloride-d3           | 2.25   | 65    | 97361    | 20.07    | ug/L | 0.00   |
| Spiked Amount                  | 25.000 | Range | 30 - 150 | Recovery | =    | 80.28% |
| 7) Chloroethane-d5             | 2.77   | 69    | 79266    | 21.66    | ug/L | 0.00   |
| Spiked Amount                  | 25.000 | Range | 30 - 150 | Recovery | =    | 86.64% |
| 10) 1,1-Dichloroethene-d2      | 3.86   | 63    | 164809   | 18.05    | ug/L | 0.00   |
| Spiked Amount                  | 25.000 | Range | 45 - 110 | Recovery | =    | 72.20% |
| 20) 2-Butanone-d5              | 6.90   | 46    | 67048    | 38.77    | ug/L | 0.00   |
| Spiked Amount                  | 50.000 | Range | 20 - 135 | Recovery | =    | 77.54% |
| 24) Chloroform-d               | 7.49   | 84    | 208503   | 23.62    | ug/L | 0.00   |
| Spiked Amount                  | 25.000 | Range | 40 - 150 | Recovery | =    | 94.48% |
| 26) 1,2-Dichloroethane-d4      | 8.15   | 65    | 118298   | 23.82    | ug/L | 0.00   |
| Spiked Amount                  | 25.000 | Range | 70 - 130 | Recovery | =    | 95.28% |
| 29) Benzene-d6                 | 8.12   | 84    | 432110   | 22.91    | ug/L | 0.00   |
| Spiked Amount                  | 25.000 | Range | 20 - 135 | Recovery | =    | 91.64% |
| 33) 1,2-Dichloropropane-d6     | 9.12   | 67    | 134471   | 24.10    | ug/L | 0.00   |
| Spiked Amount                  | 25.000 | Range | 70 - 120 | Recovery | =    | 96.40% |
| 37) Toluene-d8                 | 10.18  | 98    | 402610   | 23.82    | ug/L | 0.00   |
| Spiked Amount                  | 25.000 | Range | 30 - 130 | Recovery | =    | 95.28% |
| 38) trans-1,3-Dichloropropene- | 10.44  | 79    | 63918    | 23.97    | ug/L | 0.00   |
| Spiked Amount                  | 25.000 | Range | 30 - 135 | Recovery | =    | 95.88% |
| 39) 2-Hexanone-d5              | 10.79  | 63    | 53766    | 38.46    | ug/L | 0.00   |
| Spiked Amount                  | 50.000 | Range | 20 - 135 | Recovery | =    | 76.92% |
| 48) 1,1,2,2-Tetrachloroethane- | 12.56  | 84    | 108016   | 21.72    | ug/L | 0.00   |
| Spiked Amount                  | 25.000 | Range | 45 - 120 | Recovery | =    | 86.88% |
| 61) 1,2-Dichlorobenzene-d4     | 13.72  | 152   | 146877   | 23.87    | ug/L | 0.00   |
| Spiked Amount                  | 25.000 | Range | 75 - 120 | Recovery | =    | 95.48% |

## Target Compounds

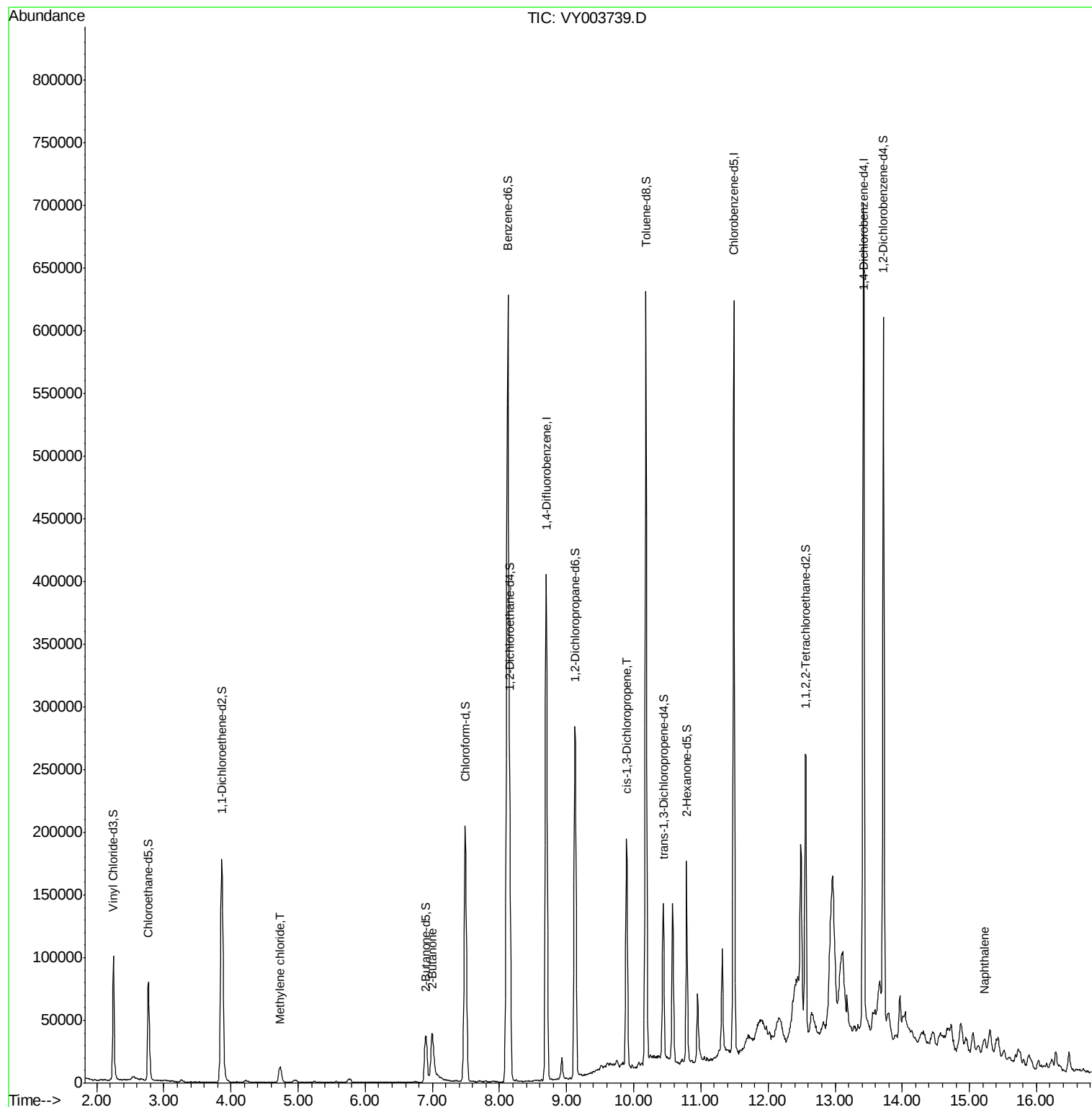
|                             |       |     |      |              | Ovalue |
|-----------------------------|-------|-----|------|--------------|--------|
| 16) Methylene chloride      | 4.72  | 84  | 4361 | 0.724 ug/L   | 91     |
| 21) 2-Butanone              | 7.01  | 43  | 2797 | 1.249 ug/L # | 53     |
| 42) cis-1,3-Dichloropropene | 9.89  | 75  | 5271 | 0.717 ug/L # | 52     |
| 69) Naphthalene             | 15.23 | 128 | 3446 | 0.271 ug/L # | 85     |

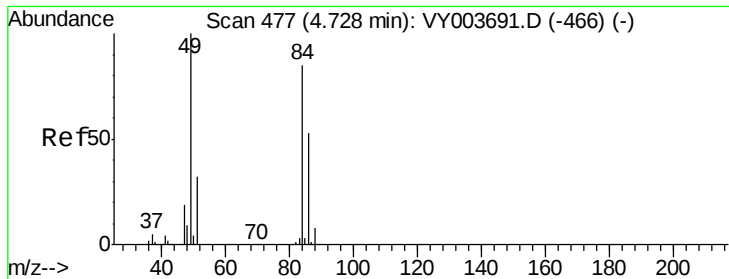
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\VOASRV\HPCHEM1\MSVOA Y\DATA\VY121120\  
Data File : VY003739.D  
Acq On : 11 Dec 2020 19:52  
Operator : SY/MD  
Sample : VIBLK  
Misc : 5.00G/10ML/MSVOA Y/SOIL  
ALS Vial : 14 Sample Multiplier: 1

Instrument :  
MSVOA\_Y  
ClientSampleId :  
VIBLK05

Quant Time: Dec 12 01:42:48 2020  
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_Y\METHODS\SOM2YLM120420S.M  
Quant Title : VOC Analysis  
QLast Update : Fri Dec 11 10:03:37 2020  
Response via : Initial Calibration

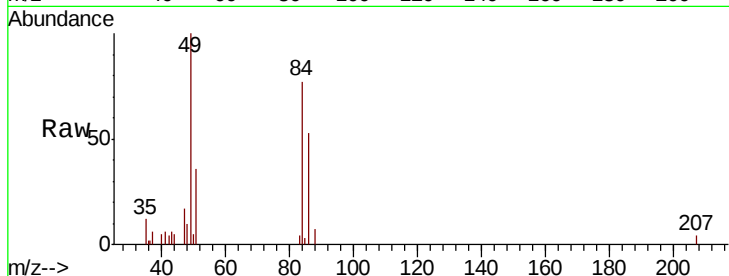




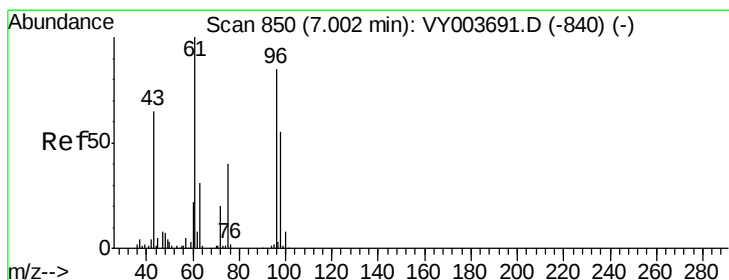
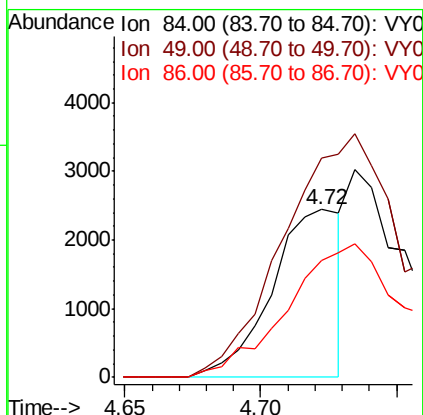
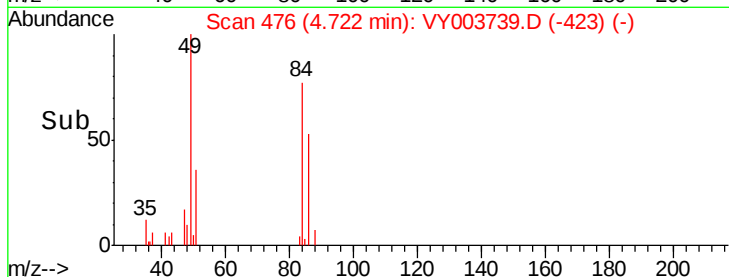
#16  
Methvlene chloride  
Concen: 0.724 ug/L  
RT: 4.72 min Scan# 476  
Delta R.T. -0.01 min  
Lab File: VY003739.D  
Acq: 11 Dec 2020 19:52

Instrument :  
MSVOA\_Y  
ClientSampleId :  
VIBLK05

Tot Ion: 84 Resp: 4361  
Ion Ratio Lower Upper  
84 100  
49 130.4 83.7 155.4  
86 69.6 45.0 83.6

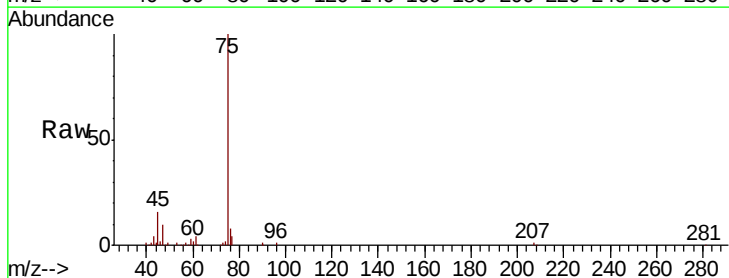


Abundance Ion 84.00 (83.70 to 84.70): VY0  
Ion 49.00 (48.70 to 49.70): VY0  
Ion 86.00 (85.70 to 86.70): VY0

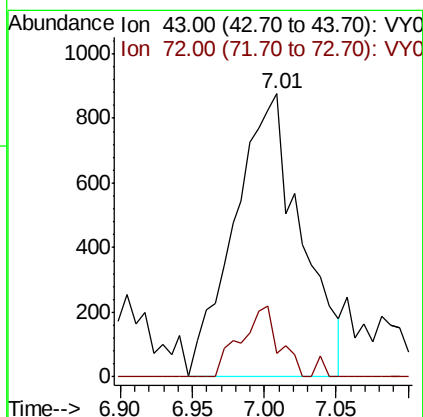
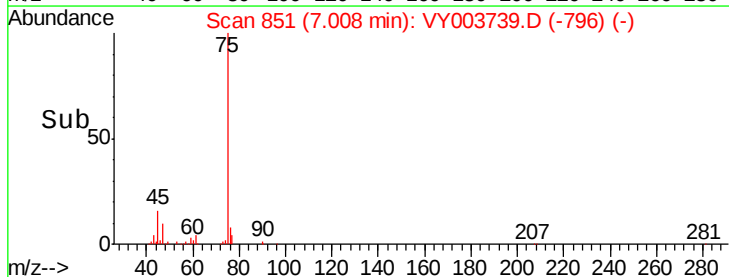


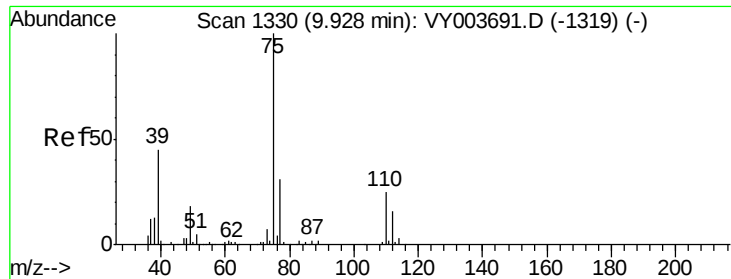
#21  
2-Butanone  
Concen: 1.249 ug/L  
RT: 7.01 min Scan# 851  
Delta R.T. 0.01 min  
Lab File: VY003739.D  
Acq: 11 Dec 2020 19:52

Tgt Ion: 43 Resp: 2797  
Ion Ratio Lower Upper  
43 100  
72 2.2 13.3 39.9#



Abundance Ion 43.00 (42.70 to 43.70): VY0  
Ion 72.00 (71.70 to 72.70): VY0



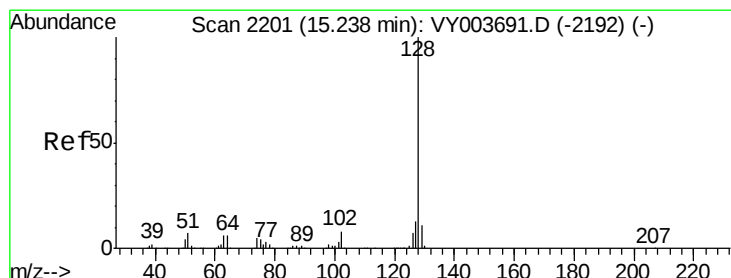
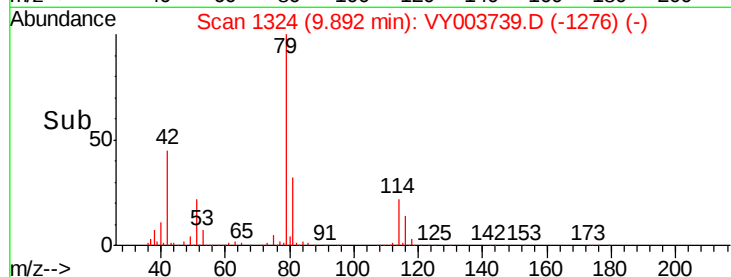
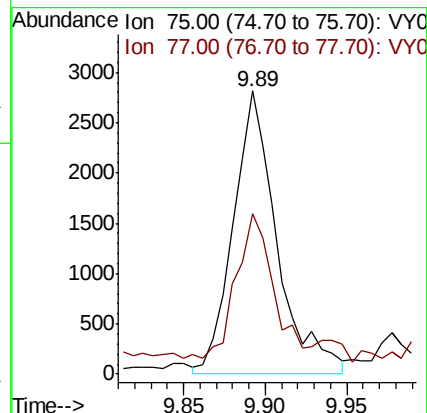
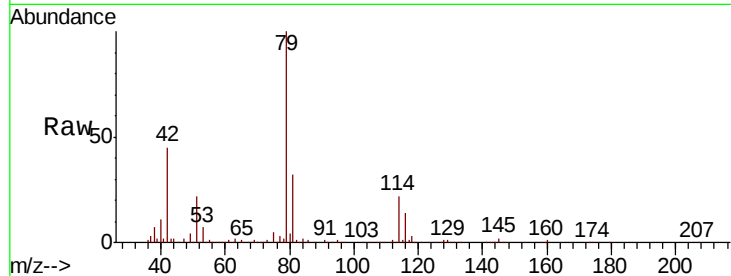


#42

cis-1,3-Dichloropropene  
 Concen: 0.717 ug/L  
 RT: 9.89 min Scan# 1324  
 Delta R.T. -0.04 min  
 Lab File: VY003739.D  
 Acq: 11 Dec 2020 19:52

Instrument :  
 MSVOA\_Y  
 ClientSampleId :  
 VIBLK05

Tot Ion: 75 Resp: 5271  
 Ion Ratio Lower Upper  
 75 100  
 77 56.6 21.3 39.6#



#69

Naphthalene  
 Concen: 0.271 ug/L  
 RT: 15.23 min Scan# 2200  
 Delta R.T. -0.01 min  
 Lab File: VY003739.D  
 Acq: 11 Dec 2020 19:52

Tgt Ion: 128 Resp: 3446  
 Ion Ratio Lower Upper  
 128 100  
 129 3.9 8.7 13.1#  
 127 8.4 10.2 15.4#

