

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_W\Data\VW031321\  
 Data File : VW018315.D  
 Acq On : 12 Mar 2021 13:27  
 Operator : SY/VA  
 Sample : VIBLK  
 Misc : 5.00G/10ML/MSVOA\_W/SOIL  
 ALS Vial : 2 Sample Multiplier: 1

Instrument :  
 MSVOA\_W  
 ClientSampleId :  
 VIBLK16

Quant Time: Mar 13 00:39:30 2021  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_W\Method\SOM2WLM030821S.M  
 Quant Title : VOC Analysis  
 QLast Update : Sat Mar 13 00:38:12 2021  
 Response via : Initial Calibration

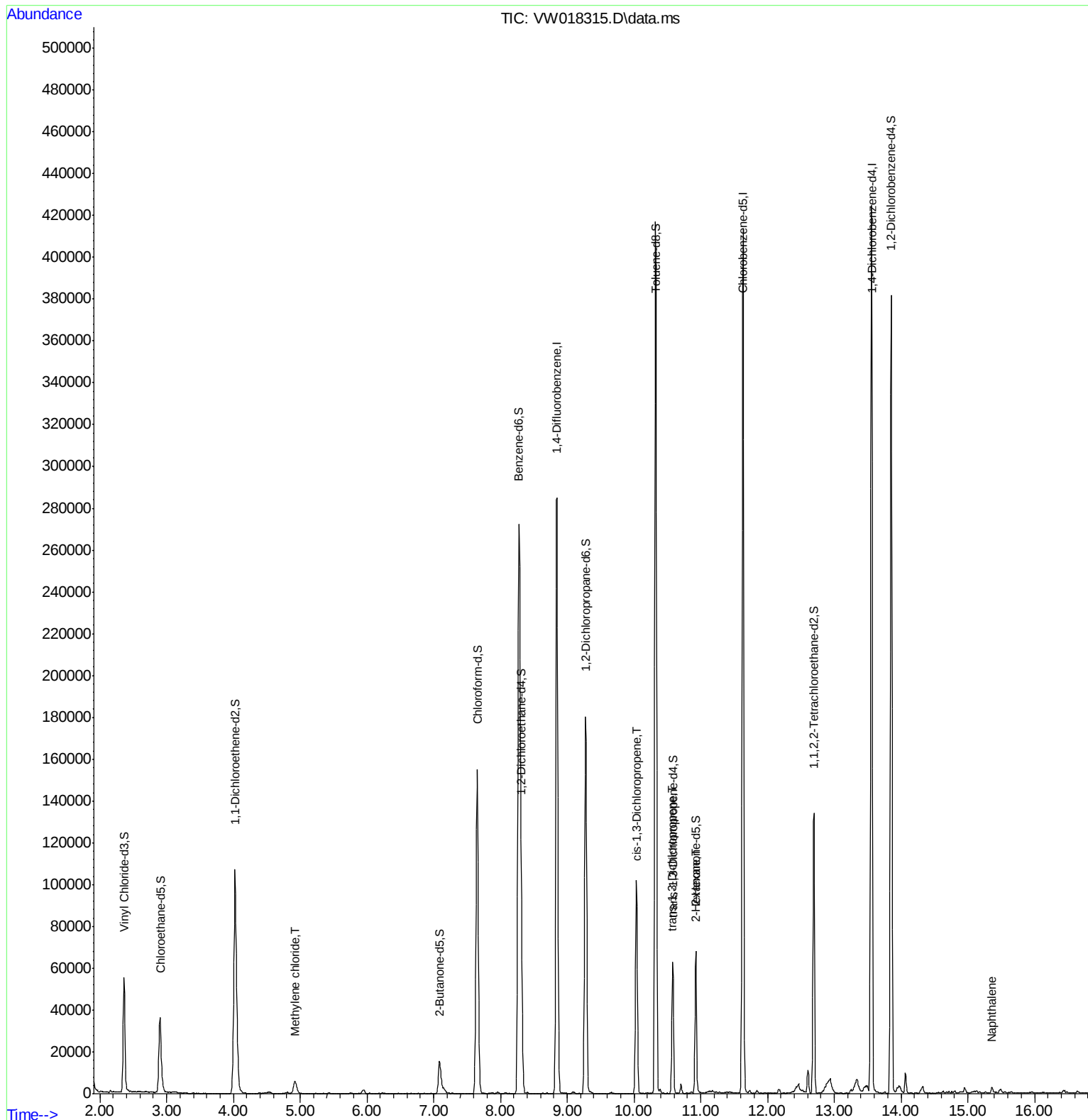
| Compound                      | R.T.   | QIon  | Response | Conc     | Units  | Dev(Min) |
|-------------------------------|--------|-------|----------|----------|--------|----------|
| -----                         |        |       |          |          |        |          |
| Internal Standards            |        |       |          |          |        |          |
| 1) 1,4-Difluorobenzene        | 8.848  | 114   | 245071   | 25.00    | ug/L   | 0.00     |
| 28) Chlorobenzene-d5          | 11.634 | 117   | 224280   | 25.00    | ug/L   | 0.00     |
| 60) 1,4-Dichlorobenzene-d4    | 13.560 | 152   | 104008   | 25.00    | ug/L   | 0.00     |
|                               |        |       |          |          |        |          |
| System Monitoring Compounds   |        |       |          |          |        |          |
| 4) Vinyl Chloride-d3          | 2.361  | 65    | 60601    | 22.83    | ug/L   | 0.00     |
| Spiked Amount                 | 25.000 | Range | 30 - 150 | Recovery | =      | 91.32%   |
| 7) Chloroethane-d5            | 2.904  | 69    | 50000    | 23.20    | ug/L   | 0.00     |
| Spiked Amount                 | 25.000 | Range | 30 - 150 | Recovery | =      | 92.80%   |
| 10) 1,1-Dichloroethene-d2     | 4.025  | 63    | 110268   | 17.88    | ug/L   | 0.00     |
| Spiked Amount                 | 25.000 | Range | 45 - 110 | Recovery | =      | 71.52%   |
| 20) 2-Butanone-d5             | 7.086  | 46    | 26008    | 41.22    | ug/L   | 0.00     |
| Spiked Amount                 | 50.000 | Range | 20 - 135 | Recovery | =      | 82.44%   |
| 24) Chloroform-d              | 7.653  | 84    | 156728   | 23.61    | ug/L   | 0.00     |
| Spiked Amount                 | 25.000 | Range | 40 - 150 | Recovery | =      | 94.44%   |
| 26) 1,2-Dichloroethane-d4     | 8.311  | 65    | 84518    | 23.13    | ug/L   | 0.00     |
| Spiked Amount                 | 25.000 | Range | 70 - 130 | Recovery | =      | 92.52%   |
| 29) Benzene-d6                | 8.274  | 84    | 287024   | 24.04    | ug/L   | 0.00     |
| Spiked Amount                 | 25.000 | Range | 20 - 135 | Recovery | =      | 96.16%   |
| 33) 1,2-Dichloropropane-d6    | 9.274  | 67    | 78999    | 23.88    | ug/L   | 0.00     |
| Spiked Amount                 | 25.000 | Range | 70 - 120 | Recovery | =      | 95.52%   |
| 37) Toluene-d8                | 10.323 | 98    | 281764   | 24.45    | ug/L   | 0.00     |
| Spiked Amount                 | 25.000 | Range | 30 - 130 | Recovery | =      | 97.80%   |
| 38) trans-1,3-Dichloroprop... | 10.579 | 79    | 35806    | 21.83    | ug/L   | 0.00     |
| Spiked Amount                 | 25.000 | Range | 30 - 135 | Recovery | =      | 87.32%   |
| 39) 2-Hexanone-d5             | 10.926 | 63    | 23170    | 42.10    | ug/L   | 0.00     |
| Spiked Amount                 | 50.000 | Range | 20 - 135 | Recovery | =      | 84.20%   |
| 48) 1,1,2,2-Tetrachloroeth... | 12.694 | 84    | 62730    | 22.17    | ug/L   | 0.00     |
| Spiked Amount                 | 25.000 | Range | 45 - 120 | Recovery | =      | 88.68%   |
| 61) 1,2-Dichlorobenzene-d4    | 13.853 | 152   | 92399    | 24.44    | ug/L   | 0.00     |
| Spiked Amount                 | 25.000 | Range | 75 - 120 | Recovery | =      | 97.76%   |
|                               |        |       |          |          |        |          |
| Target Compounds              |        |       |          |          |        |          |
| 16) Methylene chloride        | 4.921  | 84    | 5336     | 1.43     | ug/L   | 94       |
| 42) cis-1,3-Dichloropropene   | 10.042 | 75    | 3166     | 0.63     | ug/L # | 68       |
| 45) trans-1,3-Dichloropropene | 10.573 | 75    | 2160     | 0.48     | ug/L   | 97       |
| 49) 2-Hexanone                | 10.920 | 43    | 2751     | 2.56     | ug/L # | 65       |
| 69) Naphthalene               | 15.365 | 128   | 2615     | 0.32     | ug/L # | 96       |
| -----                         |        |       |          |          |        |          |

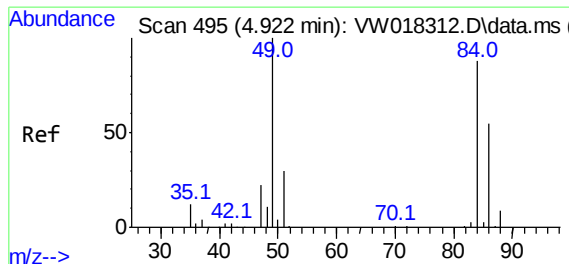
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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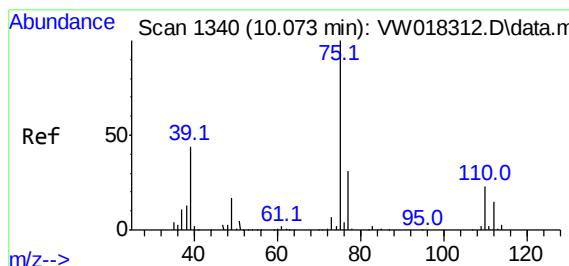
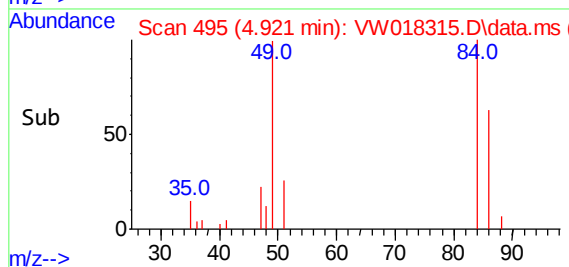
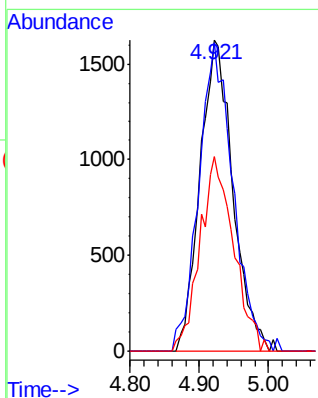
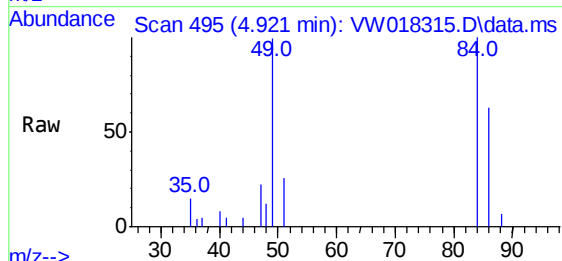


#16  
Methylene chloride  
Concen: 1.43 ug/L  
RT: 4.921 min Scan# 495  
Delta R.T. -0.000 min  
Lab File: VW018315.D  
Acq: 12 Mar 2021 13:27

Instrument :  
MSVOA\_W  
ClientSampleId :  
VIBLK16

Tgt Ion: 84 Resp: 5336

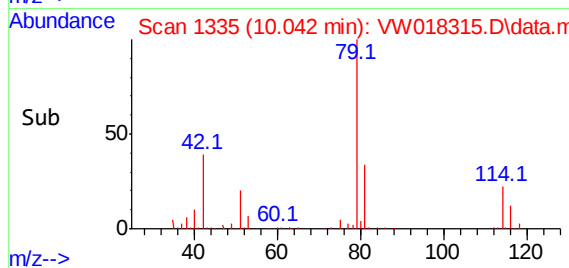
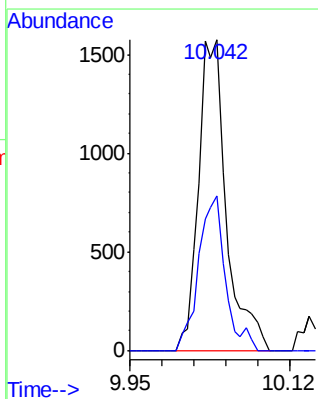
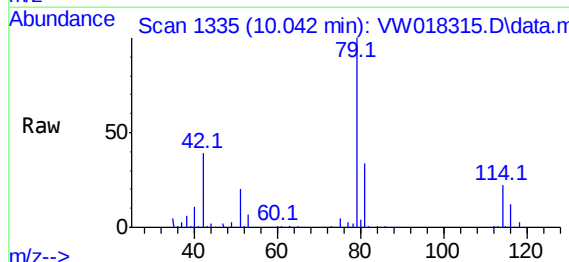
| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 84  | 100   |       |       |
| 49  | 99.1  | 74.4  | 138.2 |
| 86  | 62.7  | 46.1  | 85.7  |

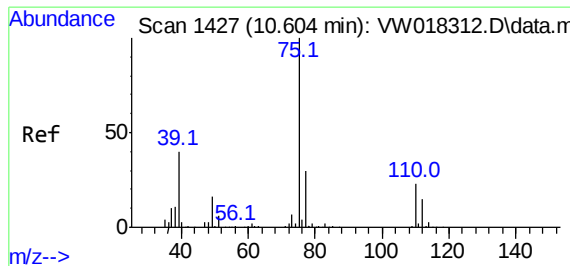


#42  
cis-1,3-Dichloropropene  
Concen: 0.63 ug/L  
RT: 10.042 min Scan# 1335  
Delta R.T. -0.031 min  
Lab File: VW018315.D  
Acq: 12 Mar 2021 13:27

Tgt Ion: 75 Resp: 3166

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 75  | 100   |       |       |
| 77  | 49.7  | 22.4  | 41.6  |

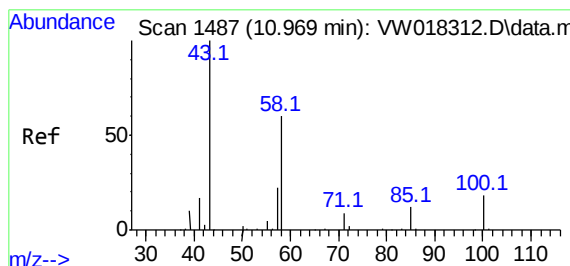
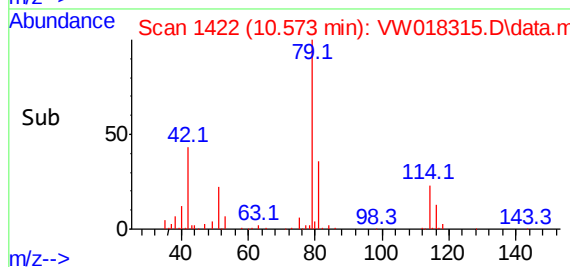
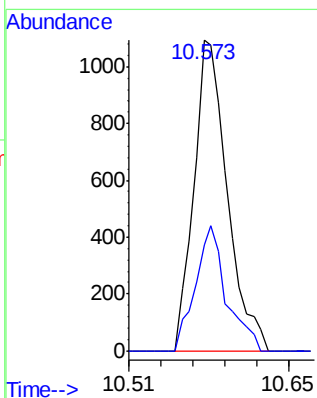
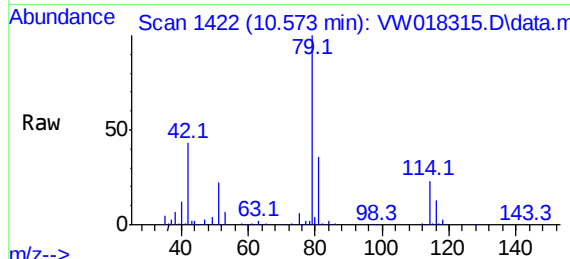




#45  
trans-1,3-Dichloropropene  
Concen: 0.48 ug/L  
RT: 10.573 min Scan# 1422  
Delta R.T. -0.031 min  
Lab File: VW018315.D  
Acq: 12 Mar 2021 13:27

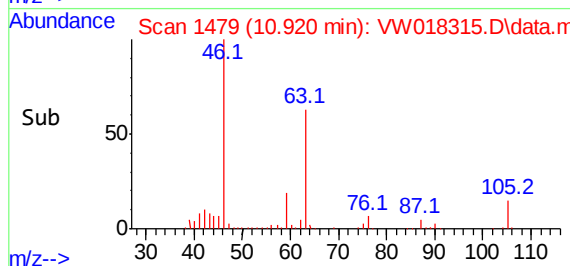
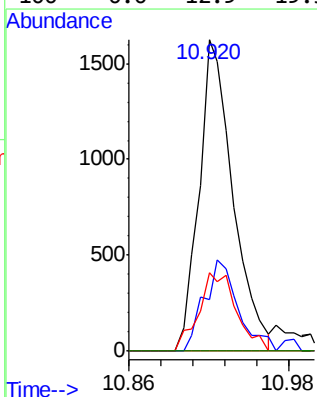
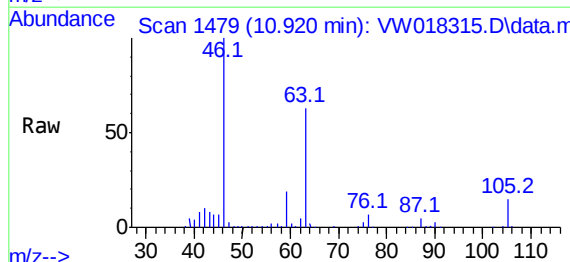
Instrument :  
MSVOA\_W  
ClientSampled :  
VIBLK16

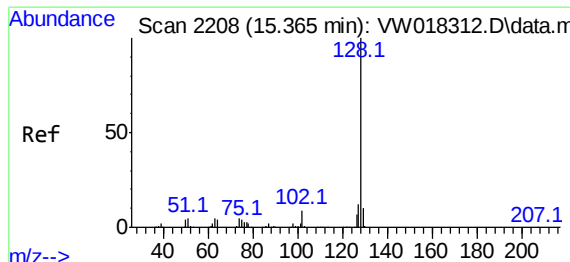
Tgt Ion: 75 Resp: 2160  
Ion Ratio Lower Upper  
75 100  
77 34.2 22.6 42.0



#49  
2-Hexanone  
Concen: 2.56 ug/L  
RT: 10.920 min Scan# 1479  
Delta R.T. -0.049 min  
Lab File: VW018315.D  
Acq: 12 Mar 2021 13:27

Tgt Ion: 43 Resp: 2751  
Ion Ratio Lower Upper  
43 100  
58 28.0 47.3 70.9#  
57 27.8 17.3 25.9#  
100 0.0 12.9 19.3#





#69  
Naphthalene  
Concen: 0.32 ug/L  
RT: 15.365 min Scan# 2208  
Delta R.T. -0.000 min  
Lab File: VW018315.D  
Acq: 12 Mar 2021 13:27

Instrument :  
MSVOA\_W  
ClientSampleId :  
VIBLK16

Tgt Ion:128 Resp: 2615  
Ion Ratio Lower Upper  
128 100  
129 14.0 9.1 13.7#  
127 12.6 10.7 16.1

