

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_W\Data\VW040121\  
 Data File : VW018532.D  
 Acq On : 01 Apr 2021 13:30  
 Operator : SY/VA  
 Sample : M1881-04  
 Misc : 6.10G/10ML/MSVOA\_W/SOIL  
 ALS Vial : 24 Sample Multiplier: 1

Instrument :  
 MSVOA\_W  
 ClientSampleId :  
 ESQG0

Quant Time: Apr 02 03:30:47 2021  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_W\Method\SOM2WLM031921S.M  
 Quant Title : VOC Analysis  
 QLast Update : Fri Apr 02 03:28:33 2021  
 Response via : Initial Calibration

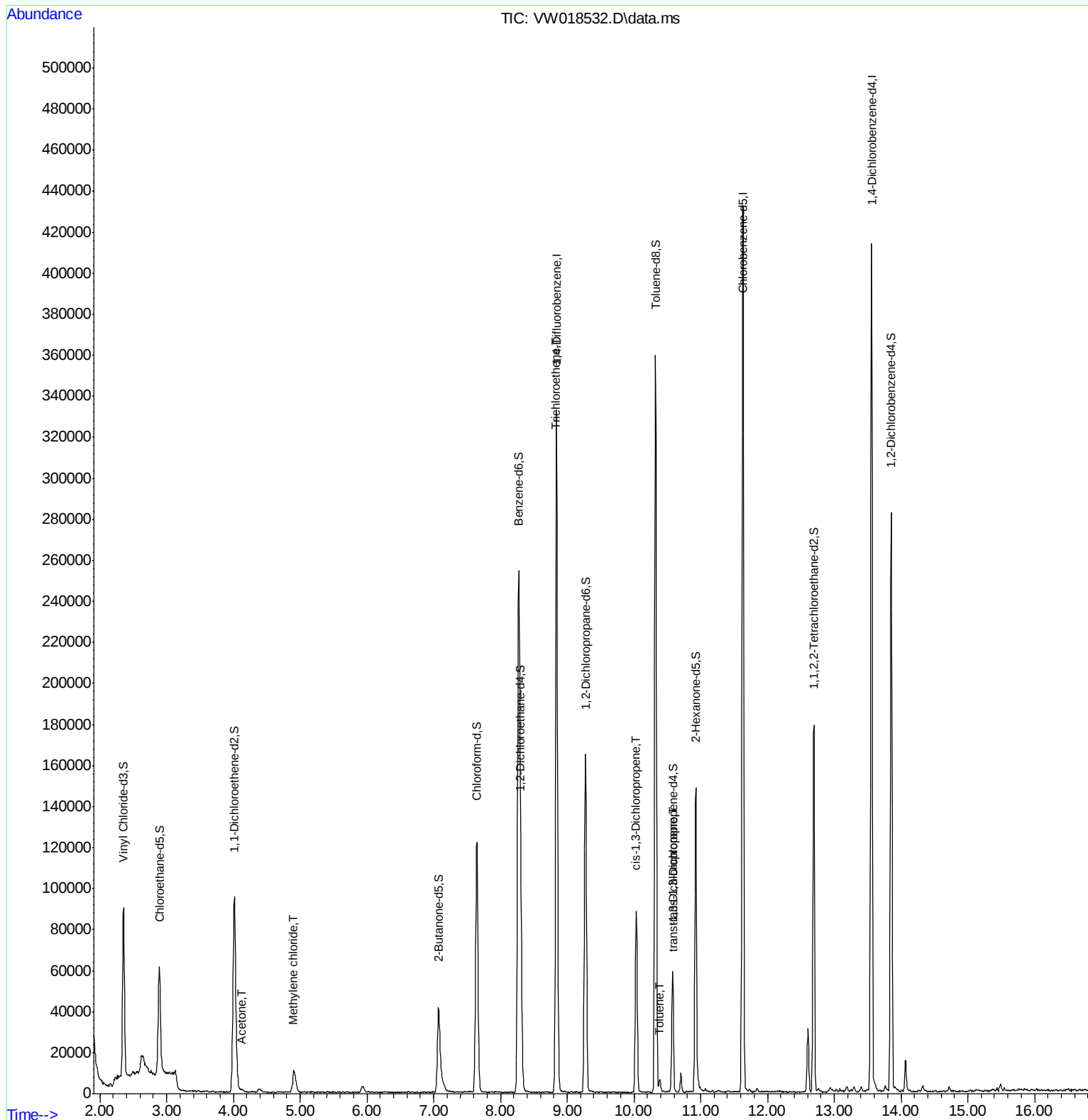
| Compound                      | R.T.           | QIon | Response   | Conc     | Units  | Dev(Min) |
|-------------------------------|----------------|------|------------|----------|--------|----------|
| -----                         |                |      |            |          |        |          |
| Internal Standards            |                |      |            |          |        |          |
| 1) 1,4-Difluorobenzene        | 8.842          | 114  | 268890     | 25.00    | ug/L   | 0.00     |
| 28) Chlorobenzene-d5          | 11.634         | 117  | 239039     | 25.00    | ug/L   | 0.00     |
| 60) 1,4-Dichlorobenzene-d4    | 13.560         | 152  | 102749     | 25.00    | ug/L   | 0.00     |
|                               |                |      |            |          |        |          |
| System Monitoring Compounds   |                |      |            |          |        |          |
| 4) Vinyl Chloride-d3          | 2.355          | 65   | 89866      | 24.02    | ug/L   | 0.00     |
| Spiked Amount 25.000          | Range 30 - 150 |      | Recovery = | 96.08%   |        |          |
| 7) Chloroethane-d5            | 2.891          | 69   | 68316      | 20.86    | ug/L   | 0.00     |
| Spiked Amount 25.000          | Range 30 - 150 |      | Recovery = | 83.44%   |        |          |
| 10) 1,1-Dichloroethene-d2     | 4.013          | 63   | 98118      | 15.19    | ug/L   | -0.01    |
| Spiked Amount 25.000          | Range 45 - 110 |      | Recovery = | 60.76%   |        |          |
| 20) 2-Butanone-d5             | 7.074          | 46   | 69760      | 83.74    | ug/L   | 0.00     |
| Spiked Amount 50.000          | Range 20 - 135 |      | Recovery = | 167.48%# |        |          |
| 24) Chloroform-d              | 7.641          | 84   | 125983     | 18.40    | ug/L   | 0.00     |
| Spiked Amount 25.000          | Range 40 - 150 |      | Recovery = | 73.60%   |        |          |
| 26) 1,2-Dichloroethane-d4     | 8.305          | 65   | 84006      | 21.01    | ug/L   | 0.00     |
| Spiked Amount 25.000          | Range 70 - 130 |      | Recovery = | 84.04%   |        |          |
| 29) Benzene-d6                | 8.275          | 84   | 252087     | 19.84    | ug/L   | 0.00     |
| Spiked Amount 25.000          | Range 20 - 135 |      | Recovery = | 79.36%   |        |          |
| 33) 1,2-Dichloropropane-d6    | 9.274          | 67   | 72833      | 19.87    | ug/L   | 0.00     |
| Spiked Amount 25.000          | Range 70 - 120 |      | Recovery = | 79.48%   |        |          |
| 37) Toluene-d8                | 10.323         | 98   | 234244     | 19.14    | ug/L   | 0.00     |
| Spiked Amount 25.000          | Range 30 - 130 |      | Recovery = | 76.56%   |        |          |
| 38) trans-1,3-Dichloroprop... | 10.579         | 79   | 31527      | 16.68    | ug/L   | 0.00     |
| Spiked Amount 25.000          | Range 30 - 135 |      | Recovery = | 66.72%   |        |          |
| 39) 2-Hexanone-d5             | 10.927         | 63   | 50035      | 69.75    | ug/L   | 0.00     |
| Spiked Amount 50.000          | Range 20 - 135 |      | Recovery = | 139.50%# |        |          |
| 48) 1,1,2,2-Tetrachloroeth... | 12.688         | 84   | 83307      | 25.41    | ug/L   | 0.00     |
| Spiked Amount 25.000          | Range 45 - 120 |      | Recovery = | 101.64%  |        |          |
| 61) 1,2-Dichlorobenzene-d4    | 13.853         | 152  | 68329      | 18.71    | ug/L   | 0.00     |
| Spiked Amount 25.000          | Range 75 - 120 |      | Recovery = | 74.84%#  |        |          |
|                               |                |      |            |          |        |          |
| Target Compounds              |                |      |            |          |        |          |
| 13) Acetone                   | 4.117          | 43   | 937        | 1.57     | ug/L   | 73       |
| 16) Methylene chloride        | 4.903          | 84   | 4025       | 0.91     | ug/L   | 91       |
| 35) Trichloroethene           | 8.835          | 95   | 8504       | 2.22     | ug/L # | 6        |
| 42) cis-1,3-Dichloropropene   | 10.030         | 75   | 2820       | 0.49     | ug/L # | 68       |
| 44) Toluene                   | 10.384         | 91   | 3898       | 0.25     | ug/L   | 92       |
| 45) trans-1,3-Dichloropropene | 10.585         | 75   | 1764       | 0.34     | ug/L # | 82       |
| -----                         |                |      |            |          |        |          |

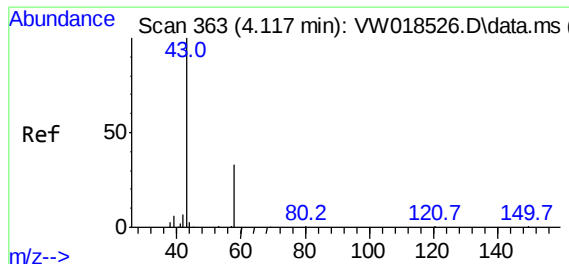
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : VOC Analysis  
QLast Update : Fri Apr 02 03:28:33 2021  
Response via : Initial Calibration

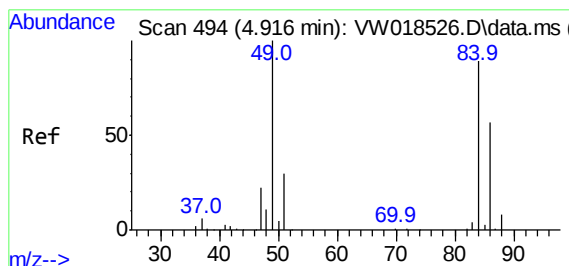
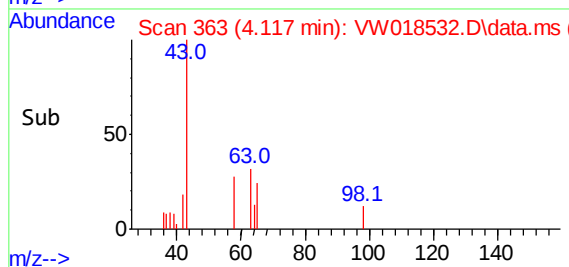
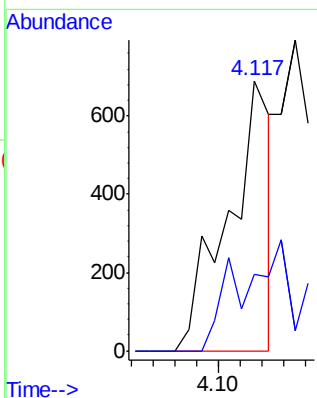
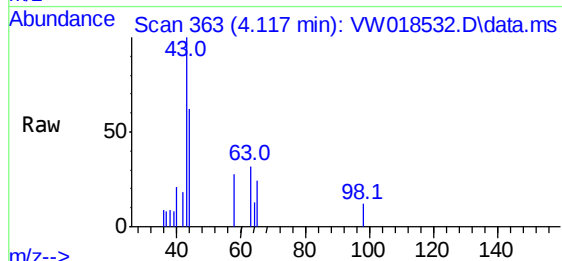




#13  
Acetone  
Concen: 1.57 ug/L  
RT: 4.117 min Scan# 363  
Delta R.T. -0.000 min  
Lab File: VW018532.D  
Acq: 01 Apr 2021 13:30

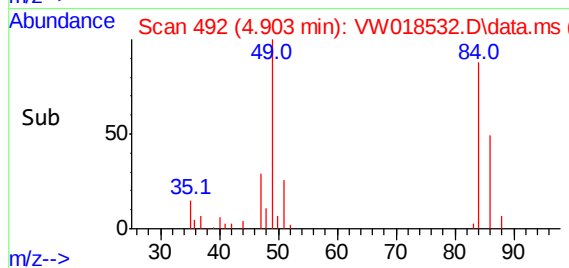
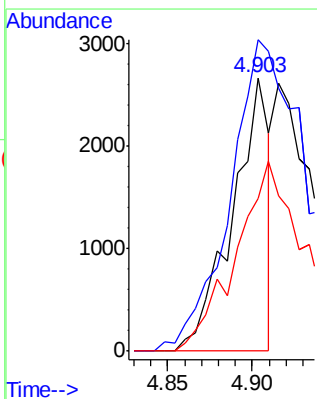
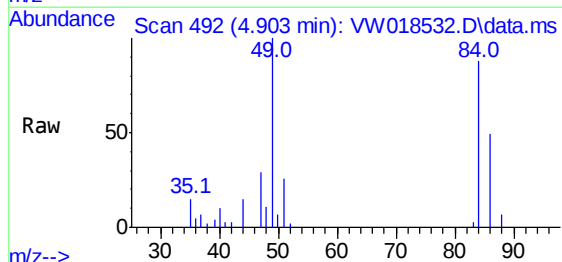
Instrument :  
MSVOA\_W  
ClientSampled :  
ESQG0

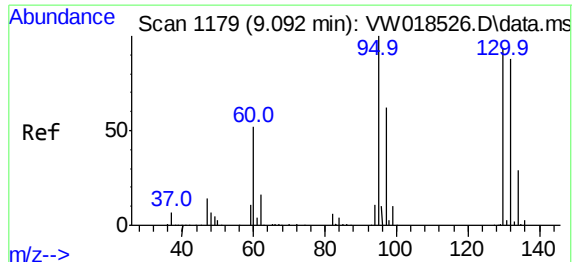
Tgt Ion: 43 Resp: 937  
Ion Ratio Lower Upper  
43 100  
58 16.4 0.0 62.2



#16  
Methylene chloride  
Concen: 0.91 ug/L  
RT: 4.903 min Scan# 492  
Delta R.T. -0.012 min  
Lab File: VW018532.D  
Acq: 01 Apr 2021 13:30

Tgt Ion: 84 Resp: 4025  
Ion Ratio Lower Upper  
84 100  
49 114.1 74.4 138.2  
86 55.9 46.1 85.7

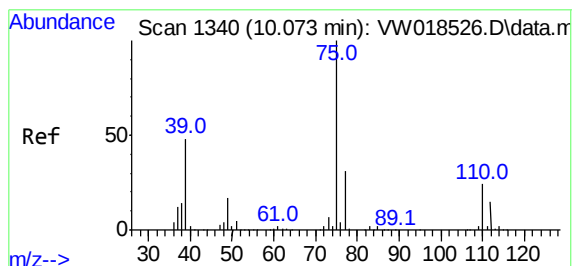
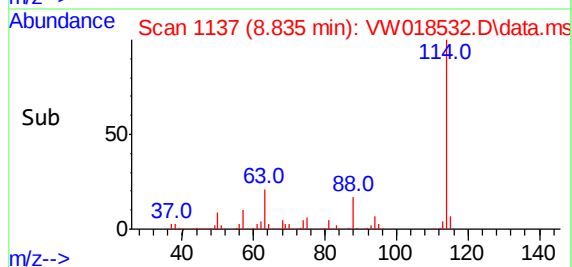
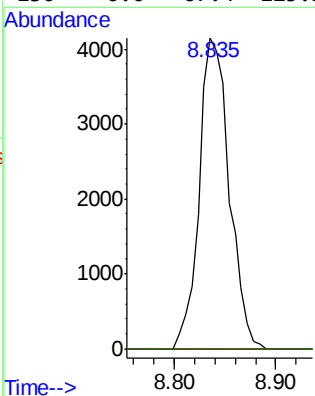
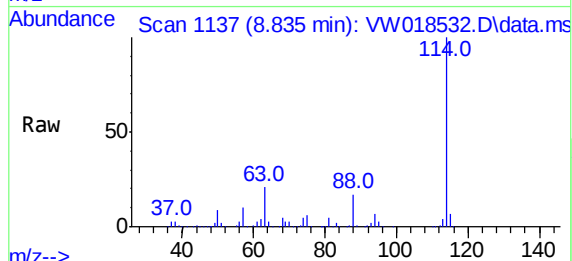




#35  
Trichloroethene  
Concen: 2.22 ug/L  
RT: 8.835 min Scan# 1137  
Delta R.T. -0.256 min  
Lab File: VW018532.D  
Acq: 01 Apr 2021 13:30

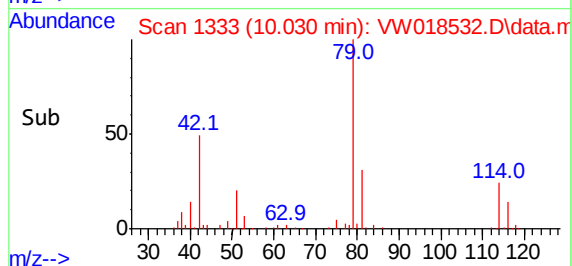
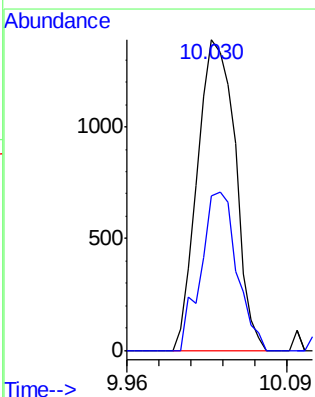
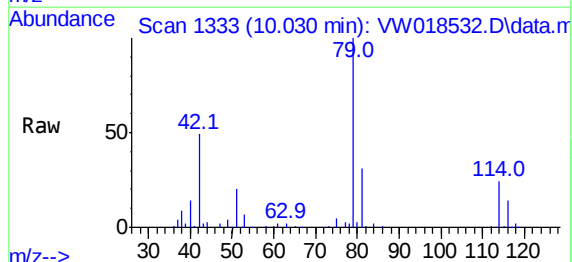
Instrument :  
MSVOA\_W  
ClientSampleId :  
ESQG0

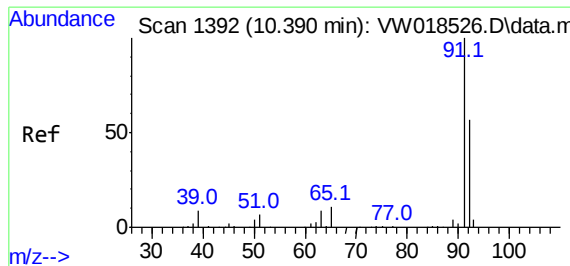
|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 95    | Resp: | 8504   |
| Ion      | Ratio | Lower | Upper  |
| 95       | 100   |       |        |
| 97       | 0.0   | 44.4  | 82.4#  |
| 132      | 0.0   | 65.9  | 122.5# |
| 130      | 0.0   | 67.4  | 125.2# |



#42  
cis-1,3-Dichloropropene  
Concen: 0.49 ug/L  
RT: 10.030 min Scan# 1333  
Delta R.T. -0.043 min  
Lab File: VW018532.D  
Acq: 01 Apr 2021 13:30

|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 75    | Resp: | 2820  |
| Ion      | Ratio | Lower | Upper |
| 75       | 100   |       |       |
| 77       | 49.6  | 22.4  | 41.6# |

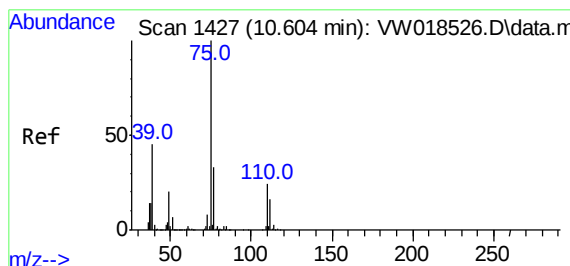
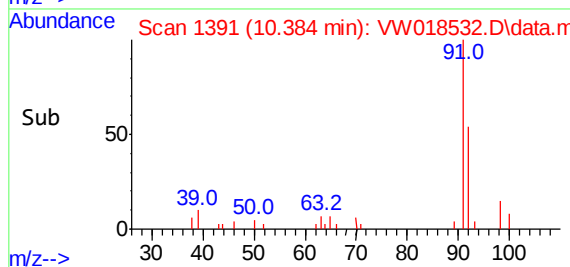
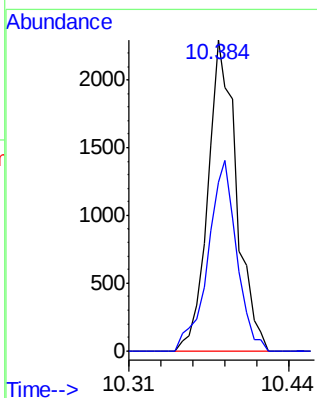
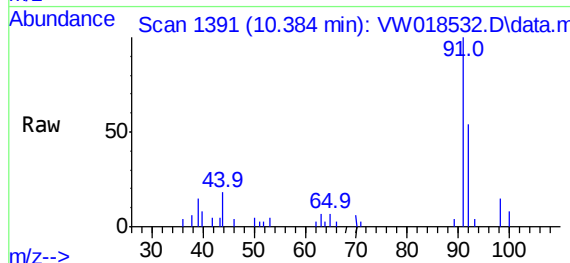




#44  
Toluene  
Concen: 0.25 ug/L  
RT: 10.384 min Scan# 1391  
Delta R.T. -0.006 min  
Lab File: VW018532.D  
Acq: 01 Apr 2021 13:30

Instrument :  
MSVOA\_W  
ClientSampled :  
ESQG0

Tgt Ion: 91 Resp: 3898  
Ion Ratio Lower Upper  
91 100  
92 54.3 42.3 78.5



#45  
trans-1,3-Dichloropropene  
Concen: 0.34 ug/L  
RT: 10.585 min Scan# 1424  
Delta R.T. -0.018 min  
Lab File: VW018532.D  
Acq: 01 Apr 2021 13:30

Tgt Ion: 75 Resp: 1764  
Ion Ratio Lower Upper  
75 100  
77 42.2 22.6 42.0#

