

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW072420\  
 Data File : VW015939.D  
 Acq On : 24 Jul 2020 10:54  
 Operator : SY/VA  
 Sample : L3395-01RE  
 Misc : 6.93G/10ML/MSVOA W/SOIL  
 ALS Vial : 1 Sample Multiplier: 1

Instrument :  
 MSVOA\_W  
 ClientSampleId :

Quant Time: Jul 25 05:15:59 2020  
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_W\METHOD\SOM2WLM072020S.M  
 Quant Title : VOC Analysis  
 QLast Update : Sat Jul 25 05:14:30 2020  
 Response via : Initial Calibration

| Internal Standards         | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|----------------------------|-------|------|----------|-------|-------|----------|
| 1) 1,4-Difluorobenzene     | 8.84  | 114  | 411941   | 25.00 | ug/L  | 0.00     |
| 28) Chlorobenzene-d5       | 11.63 | 117  | 345346   | 25.00 | ug/L  | 0.00     |
| 60) 1,4-Dichlorobenzene-d4 | 13.56 | 152  | 117028   | 25.00 | ug/L  | 0.00     |

## System Monitoring Compounds

|                                |        |       |          |          |      |         |
|--------------------------------|--------|-------|----------|----------|------|---------|
| 4) Vinyl Chloride-d3           | 2.36   | 65    | 124372   | 21.40    | ug/L | 0.00    |
| Spiked Amount                  | 25.000 | Range | 30 - 150 | Recovery | =    | 85.60%  |
| 7) Chloroethane-d5             | 2.90   | 69    | 95392    | 20.21    | ug/L | 0.00    |
| Spiked Amount                  | 25.000 | Range | 30 - 150 | Recovery | =    | 80.84%  |
| 10) 1,1-Dichloroethene-d2      | 4.01   | 63    | 181444   | 15.44    | ug/L | 0.00    |
| Spiked Amount                  | 25.000 | Range | 45 - 110 | Recovery | =    | 61.76%  |
| 20) 2-Butanone-d5              | 7.09   | 46    | 71322    | 46.71    | ug/L | 0.00    |
| Spiked Amount                  | 50.000 | Range | 20 - 135 | Recovery | =    | 93.42%  |
| 24) Chloroform-d               | 7.65   | 84    | 221122   | 19.11    | ug/L | 0.00    |
| Spiked Amount                  | 25.000 | Range | 40 - 150 | Recovery | =    | 76.44%  |
| 26) 1,2-Dichloroethane-d4      | 8.31   | 65    | 126242   | 19.88    | ug/L | 0.00    |
| Spiked Amount                  | 25.000 | Range | 70 - 130 | Recovery | =    | 79.52%  |
| 29) Benzene-d6                 | 8.27   | 84    | 451397   | 21.47    | ug/L | 0.00    |
| Spiked Amount                  | 25.000 | Range | 20 - 135 | Recovery | =    | 85.88%  |
| 33) 1,2-Dichloropropane-d6     | 9.27   | 67    | 139550   | 22.14    | ug/L | 0.00    |
| Spiked Amount                  | 25.000 | Range | 70 - 120 | Recovery | =    | 88.56%  |
| 37) Toluene-d8                 | 10.32  | 98    | 384992   | 20.22    | ug/L | 0.00    |
| Spiked Amount                  | 25.000 | Range | 30 - 130 | Recovery | =    | 80.88%  |
| 38) trans-1,3-Dichloropropene- | 10.58  | 79    | 54991    | 20.47    | ug/L | 0.00    |
| Spiked Amount                  | 25.000 | Range | 30 - 135 | Recovery | =    | 81.88%  |
| 39) 2-Hexanone-d5              | 10.93  | 63    | 52635    | 50.16    | ug/L | 0.00    |
| Spiked Amount                  | 50.000 | Range | 20 - 135 | Recovery | =    | 100.32% |
| 48) 1,1,2,2-Tetrachloroethane- | 12.69  | 84    | 107526   | 22.20    | ug/L | 0.00    |
| Spiked Amount                  | 25.000 | Range | 45 - 120 | Recovery | =    | 88.80%  |
| 61) 1,2-Dichlorobenzene-d4     | 13.85  | 152   | 89172    | 19.54    | ug/L | 0.00    |
| Spiked Amount                  | 25.000 | Range | 75 - 120 | Recovery | =    | 78.16%  |

## Target Compounds

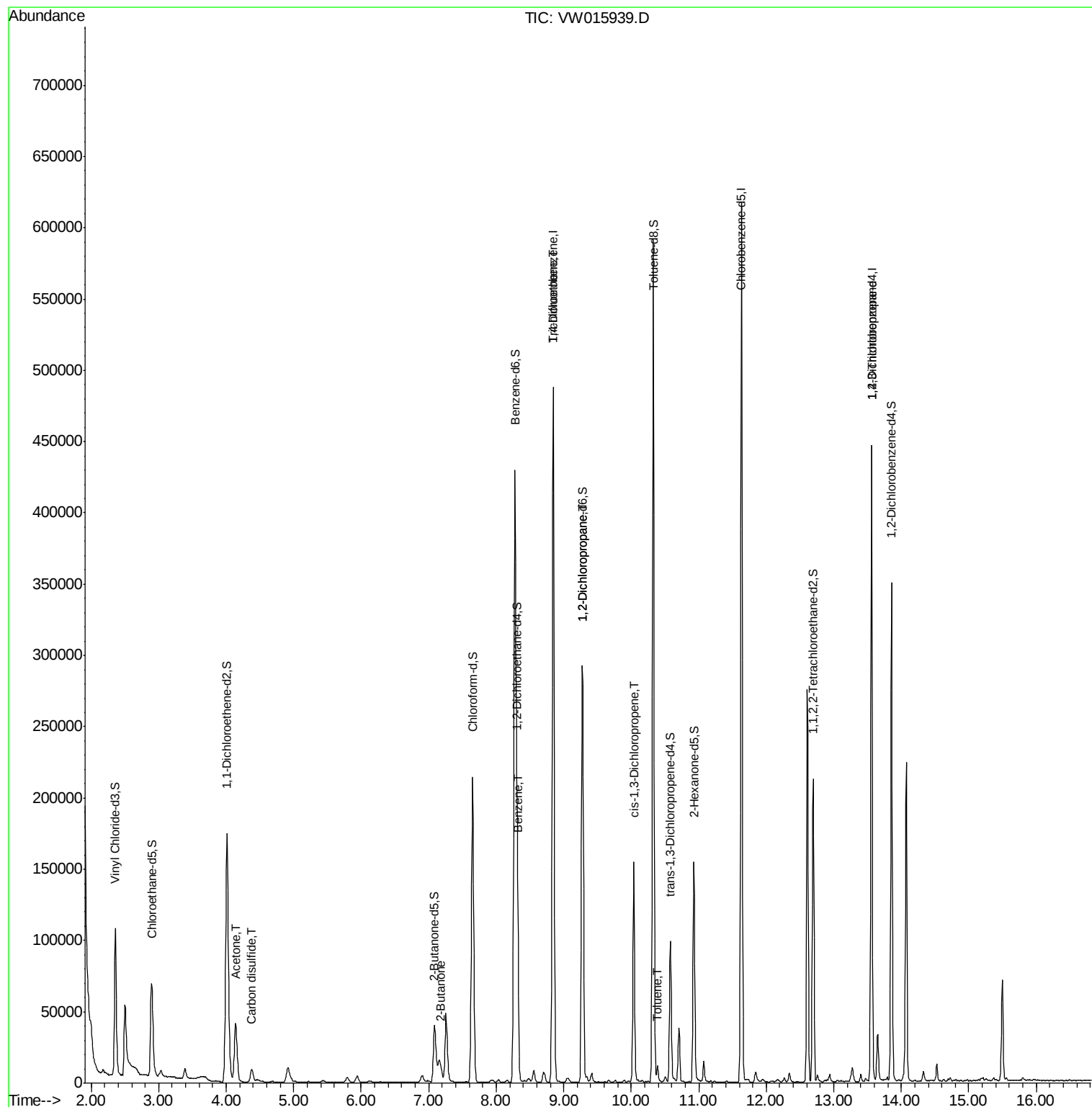
|                             |       |    |       |              | Ovalue |
|-----------------------------|-------|----|-------|--------------|--------|
| 13) Acetone                 | 4.14  | 43 | 78763 | 61.425 ug/L  | 98     |
| 14) Carbon disulfide        | 4.38  | 76 | 19851 | 1.187 ug/L   | 96     |
| 21) 2-Butanone              | 7.18  | 43 | 9542  | 6.018 ug/L   | 98     |
| 34) Benzene                 | 8.32  | 78 | 10859 | 0.518 ug/L   | 100    |
| 35) Trichloroethene         | 8.84  | 95 | 12446 | 2.243 ug/L # | 6      |
| 40) 1,2-Dichloropropane     | 9.28  | 63 | 15320 | 2.948 ug/L # | 86     |
| 42) cis-1,3-Dichloropropene | 10.04 | 75 | 3630  | 0.459 ug/L # | 75     |
| 44) Toluene                 | 10.39 | 91 | 7731  | 0.351 ug/L   | 96     |
| 59) 1,2,3-Trichloropropane  | 13.56 | 75 | 14130 | 4.298 ug/L   | 95     |

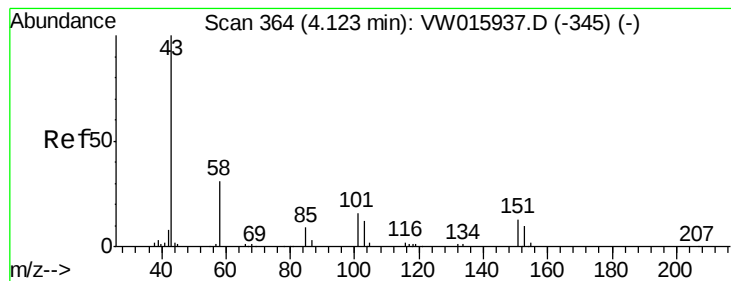
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA W\DATA\VW072420\  
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Operator : SY/VA  
Sample : L3395-01RE  
Misc : 6.93G/10ML/MSVOA W/SOIL  
ALS Vial : 1 Sample Multiplier: 1

Instrument :  
MSVOA\_W  
ClientSampleId :

Quant Time: Jul 25 05:15:59 2020  
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA\_W\METHOD\SOM2WLM072020S.M  
Quant Title : VOC Analysis  
QLast Update : Sat Jul 25 05:14:30 2020  
Response via : Initial Calibration





#13

Acetone

Concen: 61.425 ug/L

RT: 4.14 min Scan# 367

Delta R.T. 0.02 min

Lab File: VW015939.D

Acq: 24 Jul 2020 10:54

Instrument :

MSVOA\_W

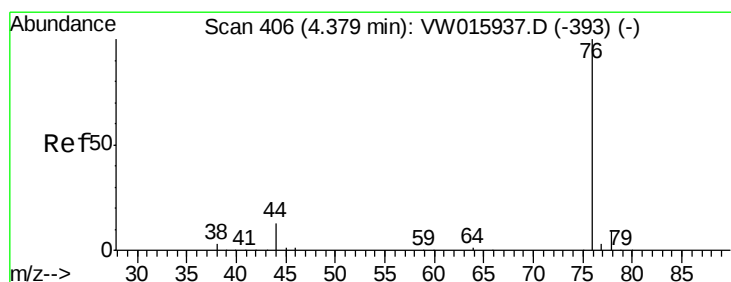
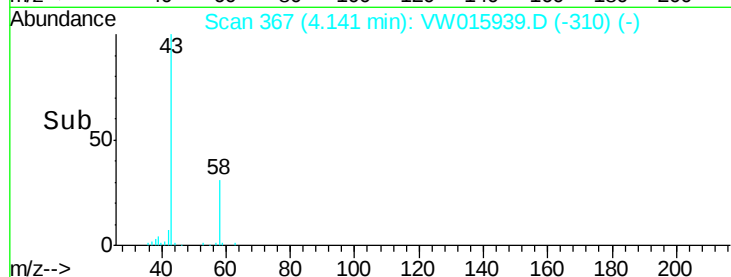
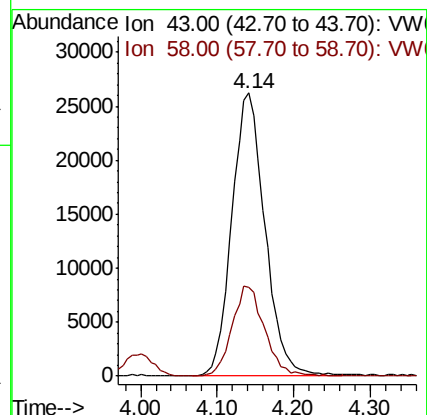
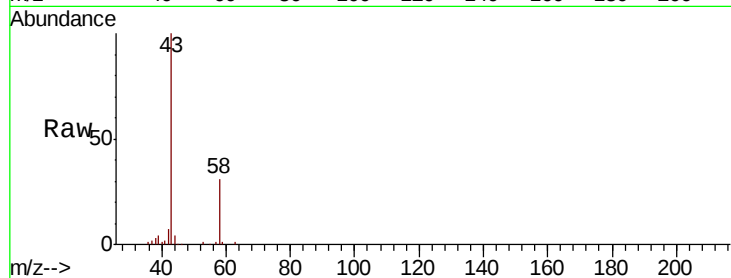
ClientSampled :

Tot Ion: 43 Resp: 78763

Ion Ratio Lower Upper

43 100

58 30.4 0.0 58.2



#14

Carbon disulfide

Concen: 1.187 ug/L

RT: 4.38 min Scan# 406

Delta R.T. 0.00 min

Lab File: VW015939.D

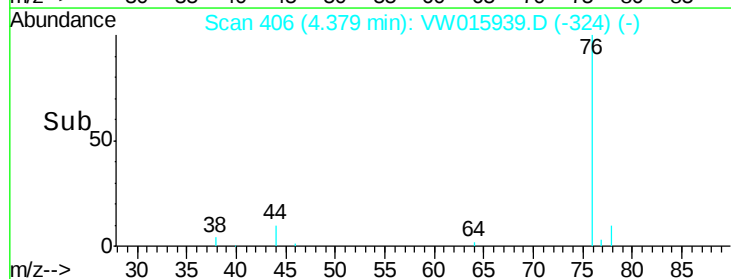
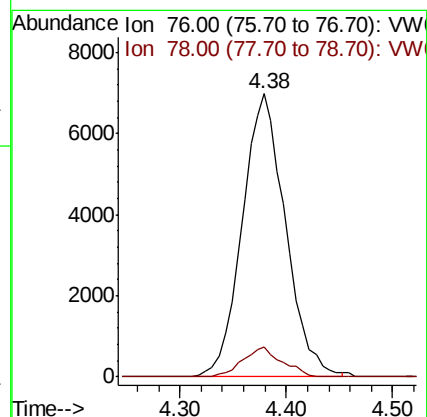
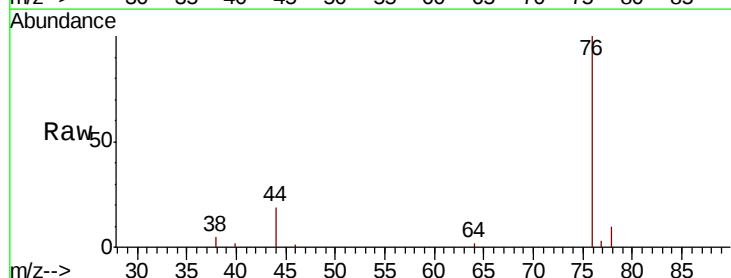
Acq: 24 Jul 2020 10:54

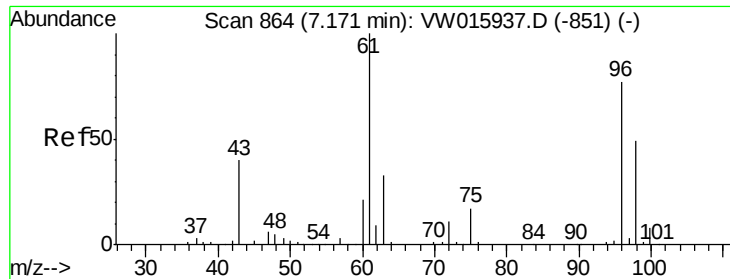
Tgt Ion: 76 Resp: 19851

Ion Ratio Lower Upper

76 100

78 10.4 7.2 10.8





#21

2-Butanone

Concen: 6.018 ug/L

RT: 7.18 min Scan# 866

Delta R.T. 0.01 min

Lab File: VW015939.D

Acq: 24 Jul 2020 10:54

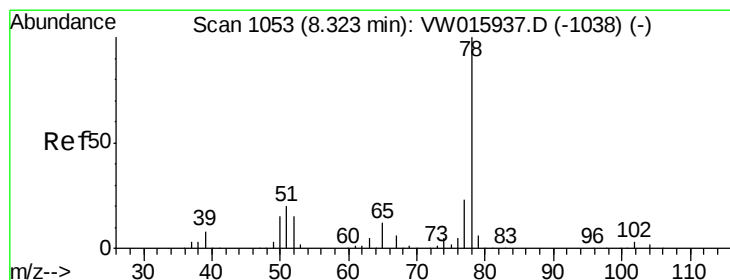
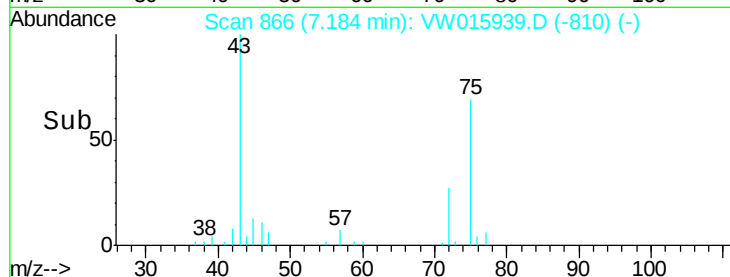
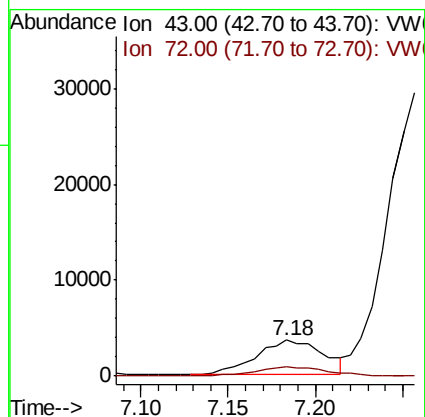
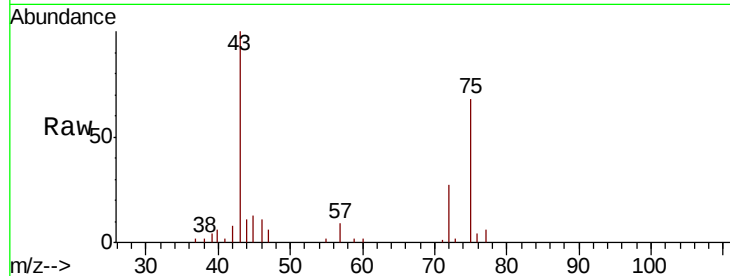
Instrument :  
MSVOA\_W  
ClientSampleId :

Tot Ion: 43 Resp: 9542

Ion Ratio Lower Upper

43 100

72 29.1 13.9 41.7



#34

Benzene

Concen: 0.518 ug/L

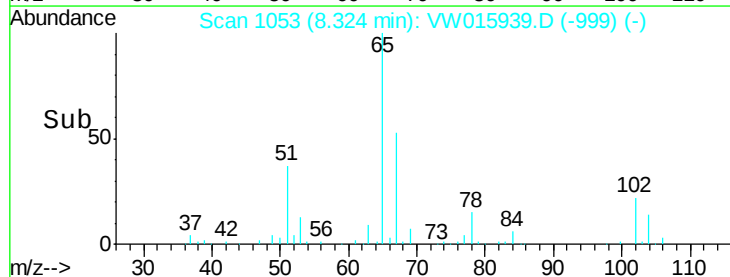
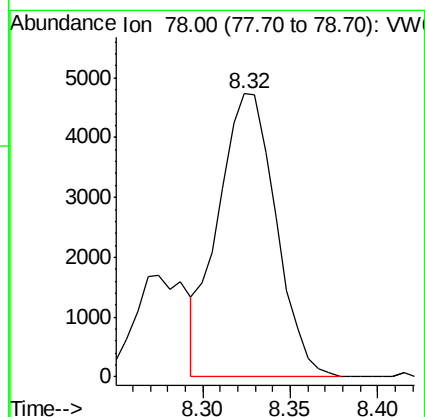
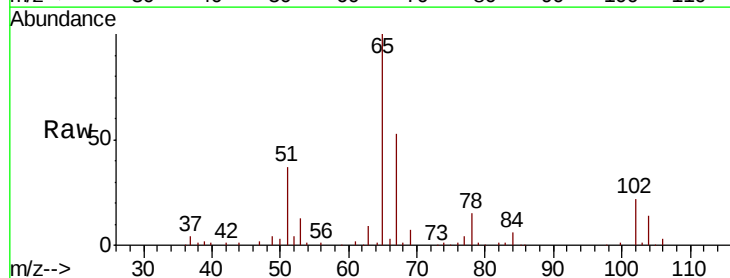
RT: 8.32 min Scan# 1053

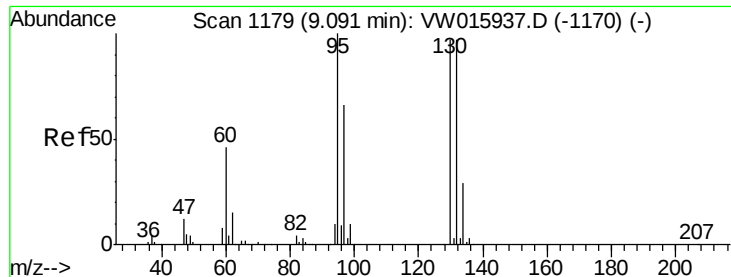
Delta R.T. 0.00 min

Lab File: VW015939.D

Acq: 24 Jul 2020 10:54

Tgt Ion: 78 Resp: 10859





#35

Trichloroethene

Concen: 2.243 ug/L

RT: 8.84 min Scan# 1138

Delta R.T. -0.25 min

Lab File: VW015939.D

Acq: 24 Jul 2020 10:54

Instrument :

MSVOA\_W

ClientSampleId :

Tot Ion: 95 Resp: 12446

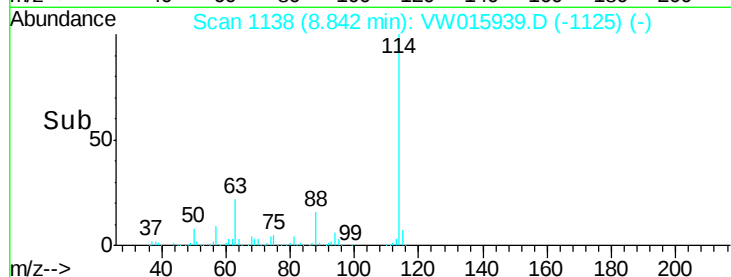
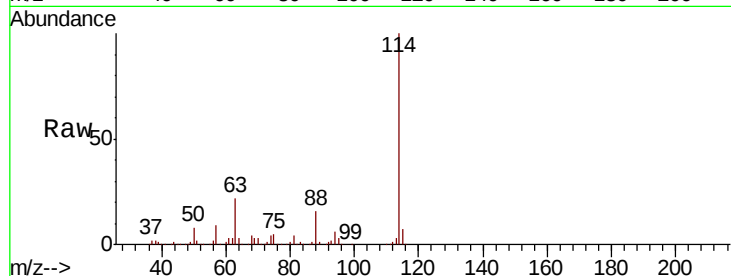
Ion Ratio Lower Upper

95 100

97 0.0 44.4 82.4#

132 0.0 65.1 120.9#

130 0.0 68.6 127.4#

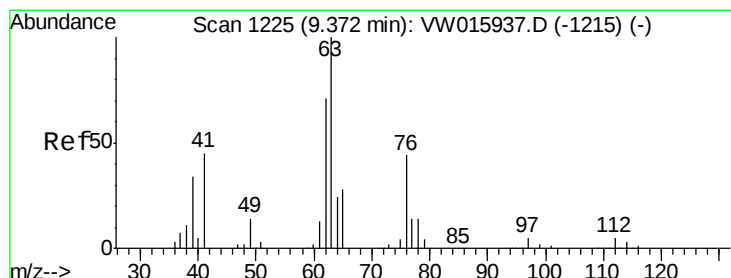
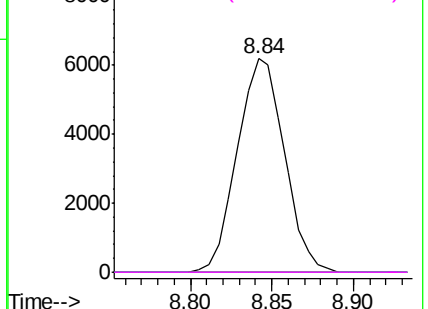


Abundance Ion 95.00 (94.70 to 95.70): VW

Ion 97.00 (96.70 to 97.70): VW

Ion 132.00 (131.70 to 132.70): V

Ion 130.00 (129.70 to 130.70): V



#40

1,2-Dichloropropane

Concen: 2.948 ug/L

RT: 9.28 min Scan# 1210

Delta R.T. -0.09 min

Lab File: VW015939.D

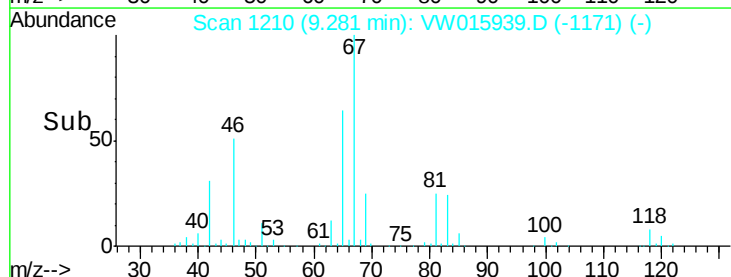
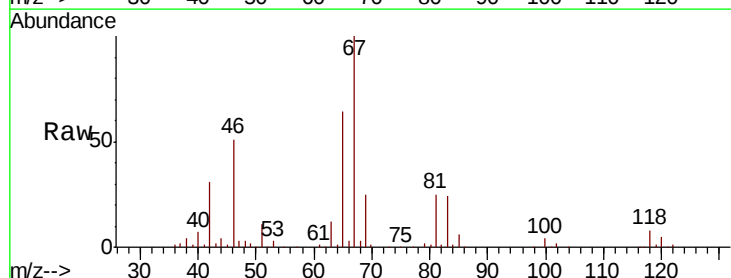
Acq: 24 Jul 2020 10:54

Tgt Ion: 63 Resp: 15320

Ion Ratio Lower Upper

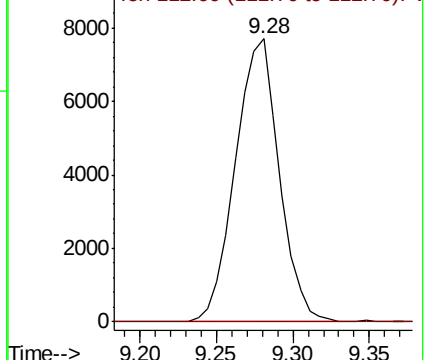
63 100

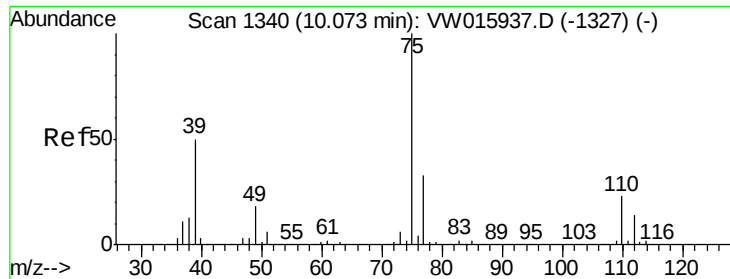
112 0.0 3.7 5.5#



Abundance Ion 63.00 (62.70 to 63.70): VW

Ion 112.00 (111.70 to 112.70): V





#42

cis-1,3-Dichloropropene

Concen: 0.459 ug/L

RT: 10.04 min Scan# 1334

Delta R.T. -0.04 min

Lab File: VW015939.D

Acq: 24 Jul 2020 10:54

Instrument :

MSVOA\_W

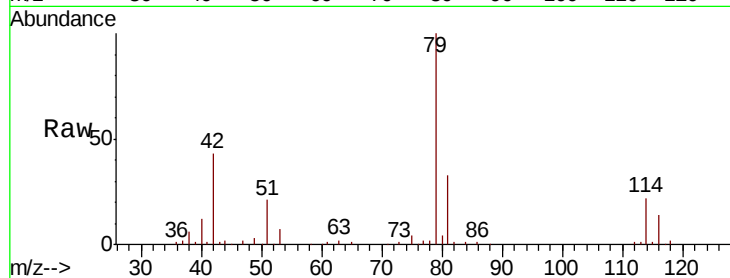
ClientSampleId :

Tot Ion: 75 Resp: 3630

Ion Ratio Lower Upper

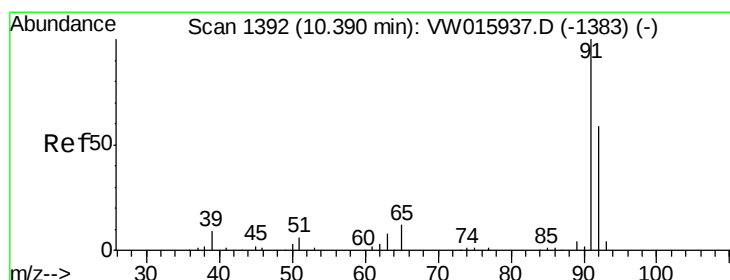
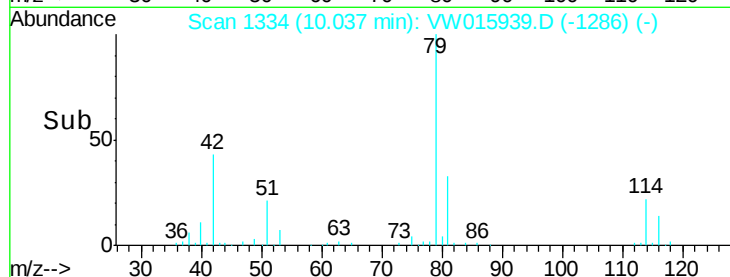
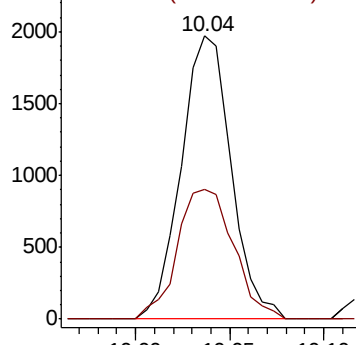
75 100

77 45.6 22.2 41.2#



Abundance Ion 75.00 (74.70 to 75.70): VW

Ion 77.00 (76.70 to 77.70): VW



#44

Toluene

Concen: 0.351 ug/L

RT: 10.39 min Scan# 1392

Delta R.T. 0.00 min

Lab File: VW015939.D

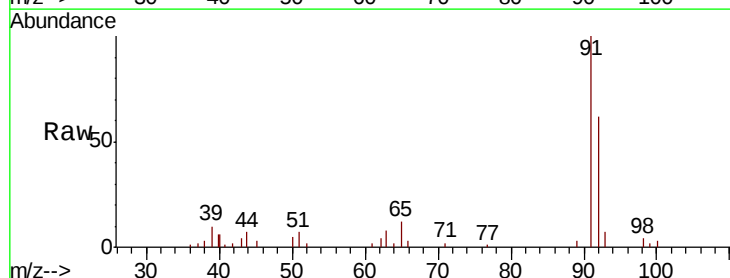
Acq: 24 Jul 2020 10:54

Tgt Ion: 91 Resp: 7731

Ion Ratio Lower Upper

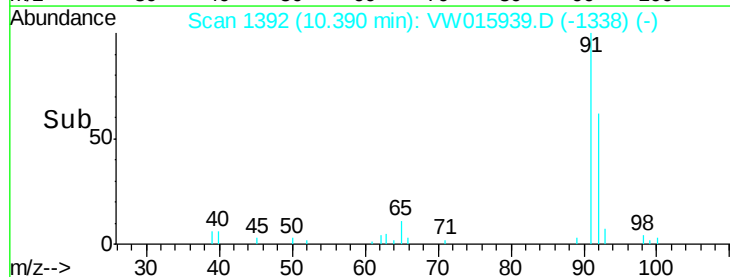
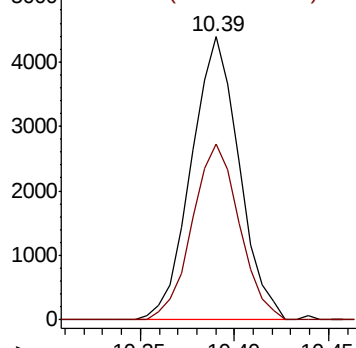
91 100

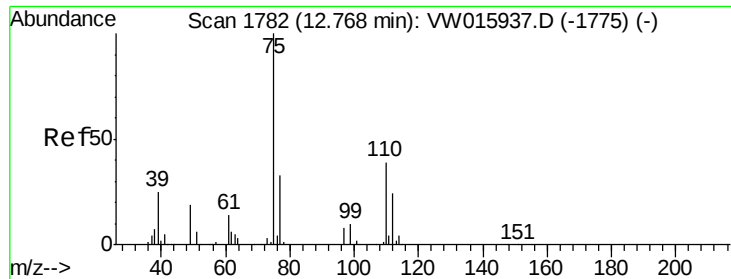
92 62.0 41.2 76.4



Abundance Ion 91.00 (90.70 to 91.70): VW

Ion 92.00 (91.70 to 92.70): VW





#59

1,2,3-Trichloropropane

Concen: 4.298 ug/L

RT: 13.56 min Scan# 1912

Delta R.T. 0.79 min

Lab File: VW015939.D

Acq: 24 Jul 2020 10:54

Instrument :

MSVOA\_W

ClientSampleId :

Tot Ion: 75 Resp: 14130

Ion Ratio Lower Upper

75 100

77 35.4 26.0 39.0

