

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW092520\  
 Data File : VW016646.D  
 Acq On : 24 Sep 2020 17:36  
 Operator : SY/VA  
 Sample : VIBLK  
 Misc : 5.00G/10ML/MSVOA W/SOIL  
 ALS Vial : 11 Sample Multiplier: 1

Instrument :  
 MSVOA\_W  
 ClientSampleId :  
 VIBLK10

Quant Time: Sep 25 08:03:48 2020  
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_W\METHOD\SOM2WLM091520S.M  
 Quant Title : VOC Analysis  
 QLast Update : Fri Sep 25 07:55:30 2020  
 Response via : Initial Calibration

| Internal Standards         | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|----------------------------|-------|------|----------|-------|-------|----------|
| 1) 1,4-Difluorobenzene     | 8.85  | 114  | 621978   | 25.00 | ug/L  | 0.00     |
| 28) Chlorobenzene-d5       | 11.63 | 117  | 552969   | 25.00 | ug/L  | 0.00     |
| 60) 1,4-Dichlorobenzene-d4 | 13.56 | 152  | 273419   | 25.00 | ug/L  | 0.00     |

## System Monitoring Compounds

|                                |        |       |          |          |      |        |
|--------------------------------|--------|-------|----------|----------|------|--------|
| 4) Vinyl Chloride-d3           | 2.37   | 65    | 89682    | 14.90    | ug/L | 0.00   |
| Spiked Amount                  | 25.000 | Range | 30 - 150 | Recovery | =    | 59.60% |
| 7) Chloroethane-d5             | 2.91   | 69    | 81630    | 16.61    | ug/L | 0.00   |
| Spiked Amount                  | 25.000 | Range | 30 - 150 | Recovery | =    | 66.44% |
| 10) 1,1-Dichloroethene-d2      | 4.03   | 63    | 158467   | 11.77    | ug/L | 0.00   |
| Spiked Amount                  | 25.000 | Range | 45 - 110 | Recovery | =    | 47.08% |
| 20) 2-Butanone-d5              | 7.09   | 46    | 63384    | 38.62    | ug/L | 0.00   |
| Spiked Amount                  | 50.000 | Range | 20 - 135 | Recovery | =    | 77.24% |
| 24) Chloroform-d               | 7.66   | 84    | 273641   | 21.03    | ug/L | 0.00   |
| Spiked Amount                  | 25.000 | Range | 40 - 150 | Recovery | =    | 84.12% |
| 26) 1,2-Dichloroethane-d4      | 8.31   | 65    | 140573   | 21.05    | ug/L | 0.00   |
| Spiked Amount                  | 25.000 | Range | 70 - 130 | Recovery | =    | 84.20% |
| 29) Benzene-d6                 | 8.28   | 84    | 486633   | 19.62    | ug/L | 0.00   |
| Spiked Amount                  | 25.000 | Range | 20 - 135 | Recovery | =    | 78.48% |
| 33) 1,2-Dichloropropane-d6     | 9.28   | 67    | 140635   | 20.93    | ug/L | 0.00   |
| Spiked Amount                  | 25.000 | Range | 70 - 120 | Recovery | =    | 83.72% |
| 37) Toluene-d8                 | 10.33  | 98    | 452016   | 18.53    | ug/L | 0.00   |
| Spiked Amount                  | 25.000 | Range | 30 - 130 | Recovery | =    | 74.12% |
| 38) trans-1,3-Dichloropropene- | 10.59  | 79    | 64924    | 19.16    | ug/L | 0.00   |
| Spiked Amount                  | 25.000 | Range | 30 - 135 | Recovery | =    | 76.64% |
| 39) 2-Hexanone-d5              | 10.93  | 63    | 50600    | 41.40    | ug/L | 0.00   |
| Spiked Amount                  | 50.000 | Range | 20 - 135 | Recovery | =    | 82.80% |
| 48) 1,1,2,2-Tetrachloroethane- | 12.69  | 84    | 120363   | 21.05    | ug/L | 0.00   |
| Spiked Amount                  | 25.000 | Range | 45 - 120 | Recovery | =    | 84.20% |
| 61) 1,2-Dichlorobenzene-d4     | 13.85  | 152   | 196252   | 22.46    | ug/L | 0.00   |
| Spiked Amount                  | 25.000 | Range | 75 - 120 | Recovery | =    | 89.84% |

## Target Compounds

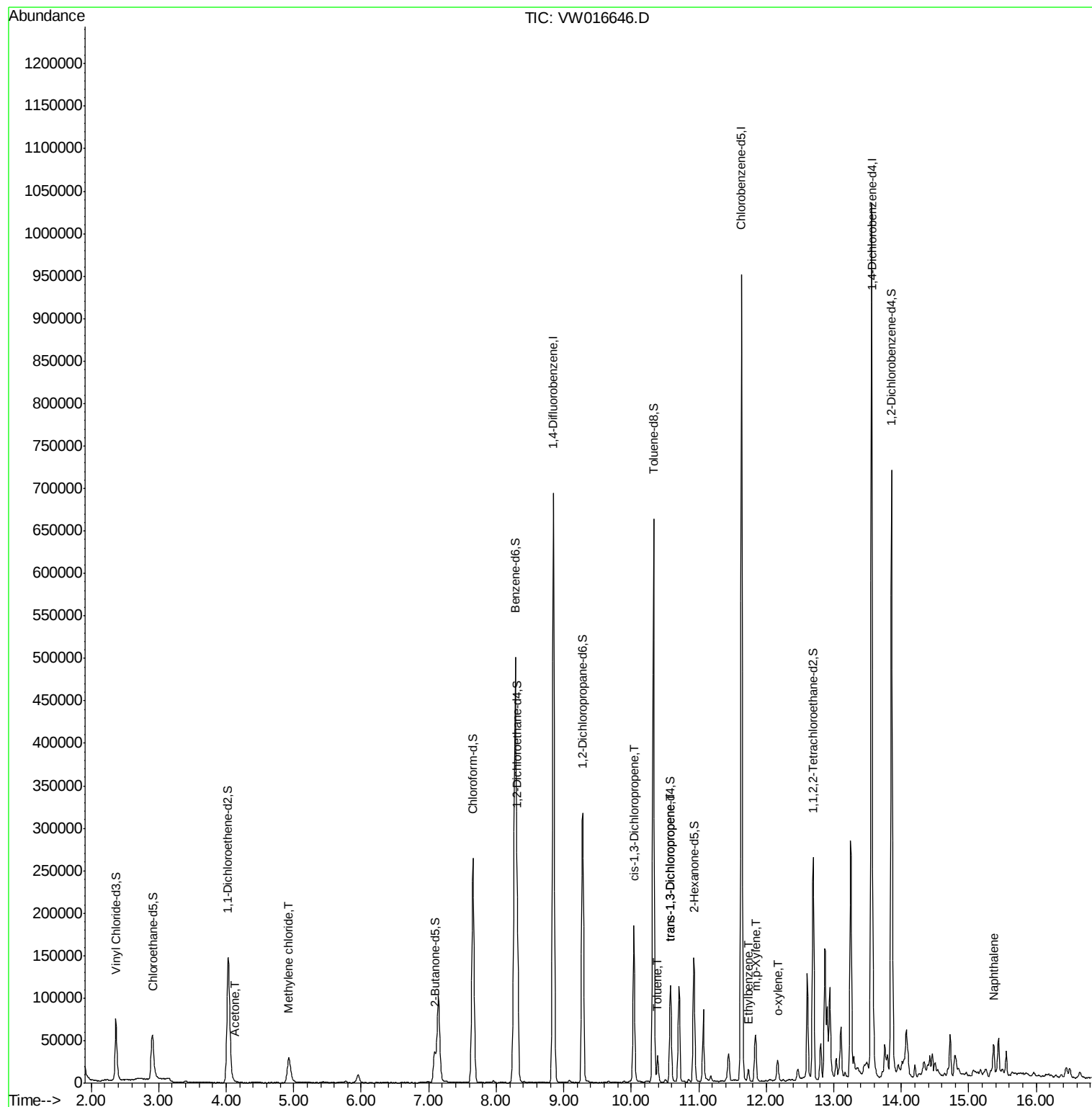
|                               |       |     |       |              | Ovalue |
|-------------------------------|-------|-----|-------|--------------|--------|
| 13) Acetone                   | 4.14  | 43  | 1420  | 1.104 ug/L   | 91     |
| 16) Methylene chloride        | 4.93  | 84  | 26857 | 2.800 ug/L   | 98     |
| 42) cis-1,3-Dichloropropene   | 10.04 | 75  | 5617  | 0.477 ug/L   | 89     |
| 44) Toluene                   | 10.39 | 91  | 22049 | 0.662 ug/L   | 97     |
| 45) trans-1,3-Dichloropropene | 10.58 | 75  | 3644  | 0.356 ug/L # | 81     |
| 53) Ethylbenzene              | 11.73 | 91  | 9499  | 0.251 ug/L   | 89     |
| 54) m,p-Xylene                | 11.84 | 106 | 16520 | 1.115 ug/L   | 96     |
| 55) o-xylene                  | 12.17 | 106 | 6834  | 0.481 ug/L   | 91     |
| 69) Naphthalene               | 15.37 | 128 | 33387 | 1.790 ug/L   | 98     |

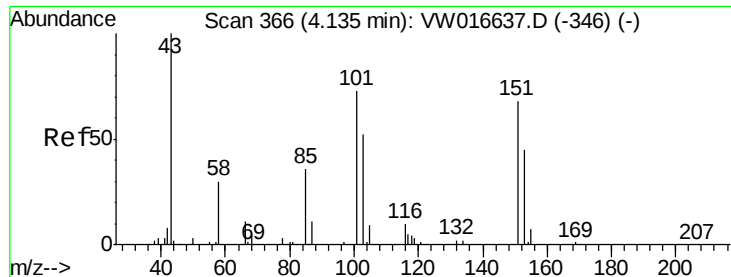
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : VOC Analysis  
QLast Update : Fri Sep 25 07:55:30 2020  
Response via : Initial Calibration





#13

Acetone

Concen: 1.104 ug/L

RT: 4.14 min Scan# 367

Delta R.T. 0.01 min

Lab File: VW016646.D

Acq: 24 Sep 2020 17:36

Instrument :

MSVOA\_W

ClientSampleId :

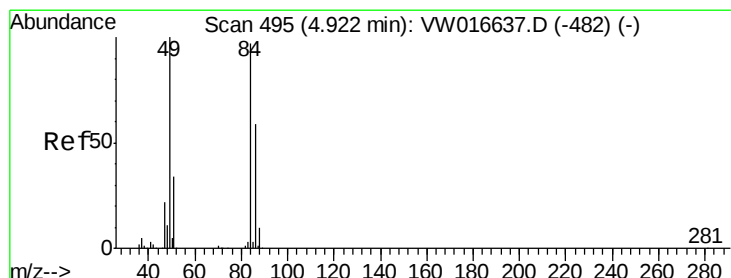
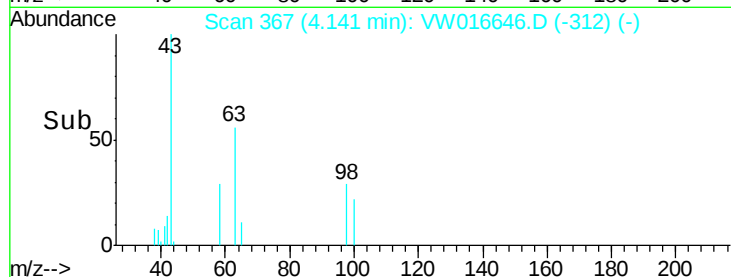
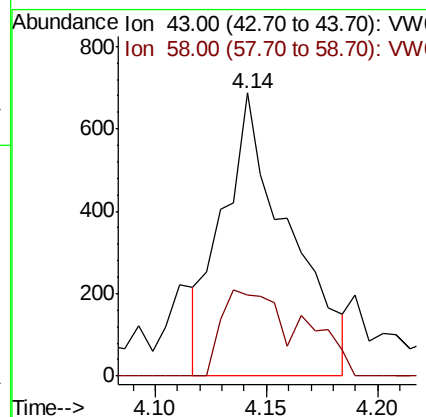
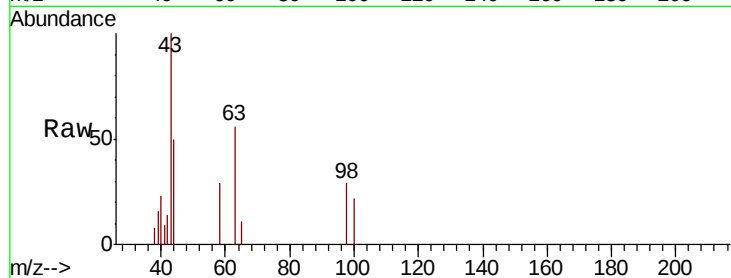
VIBLK10

Tot Ion: 43 Resp: 1420

Ion Ratio Lower Upper

43 100

58 25.4 0.0 60.2



#16

Methylene chloride

Concen: 2.800 ug/L

RT: 4.93 min Scan# 496

Delta R.T. 0.01 min

Lab File: VW016646.D

Acq: 24 Sep 2020 17:36

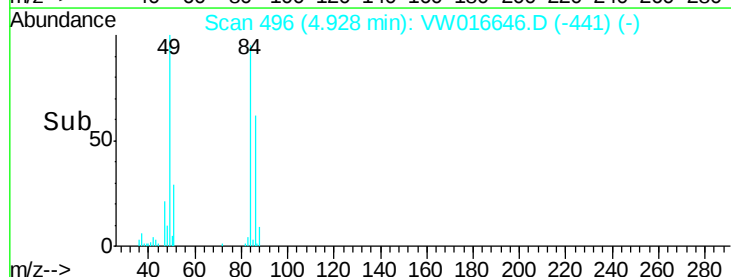
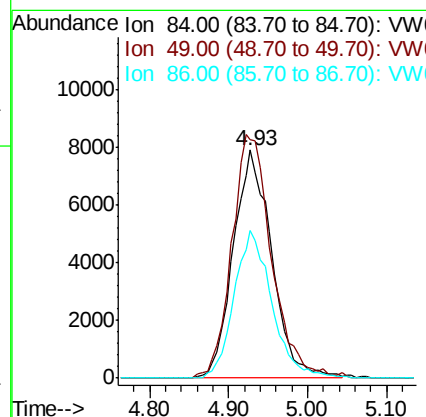
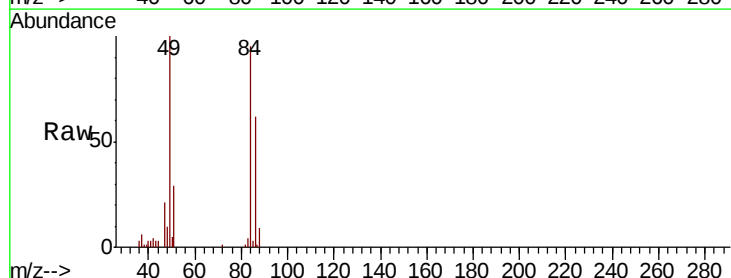
Tgt Ion: 84 Resp: 26857

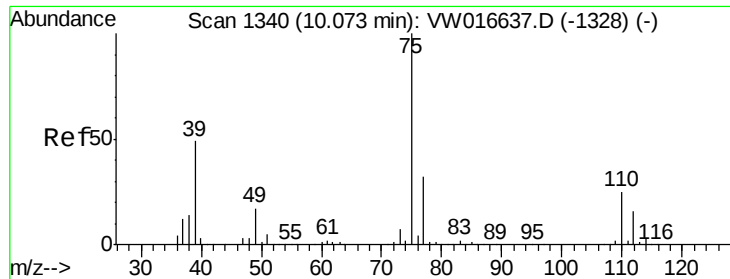
Ion Ratio Lower Upper

84 100

49 104.9 76.0 141.2

86 64.7 45.6 84.6

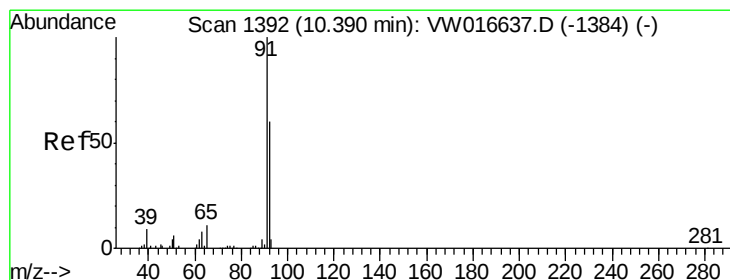
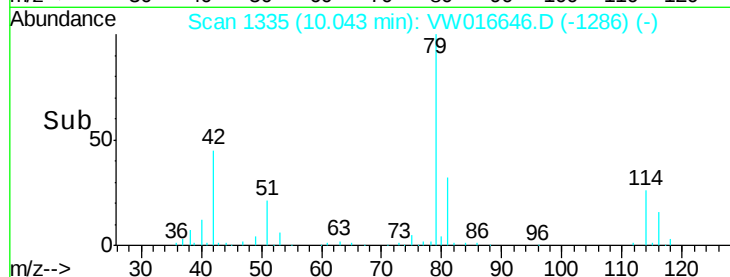
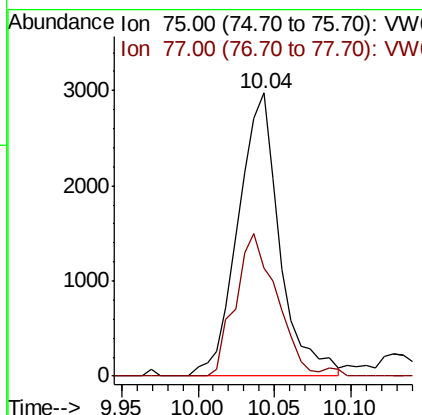
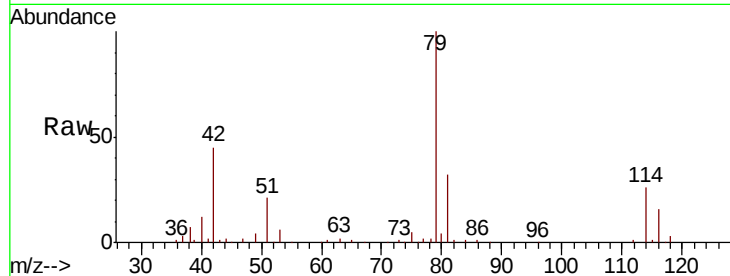




#42  
 cis-1,3-Dichloropropene  
 Concen: 0.477 ug/L  
 RT: 10.04 min Scan# 1335  
 Delta R.T. -0.03 min  
 Lab File: VW016646.D  
 Acq: 24 Sep 2020 17:36

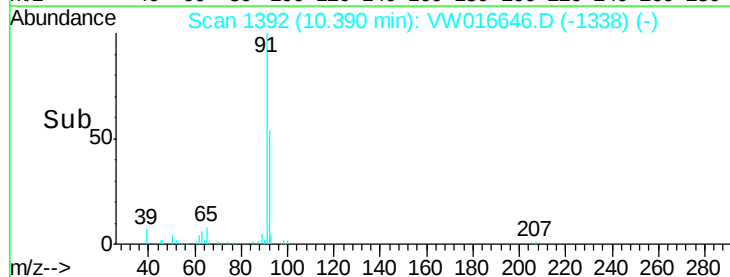
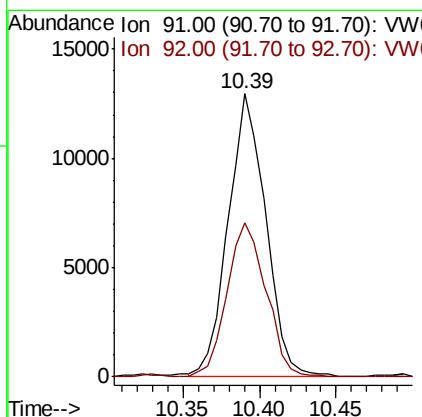
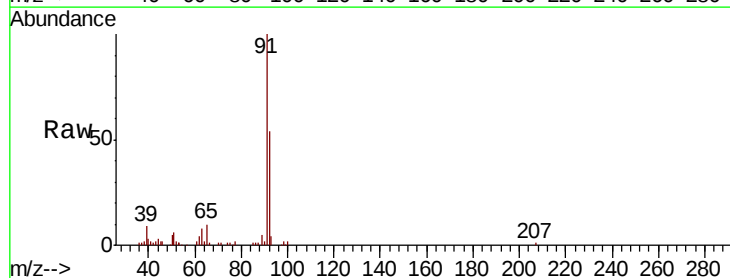
Instrument :  
 MSVOA\_W  
 ClientSampleId :  
 VIBLK10

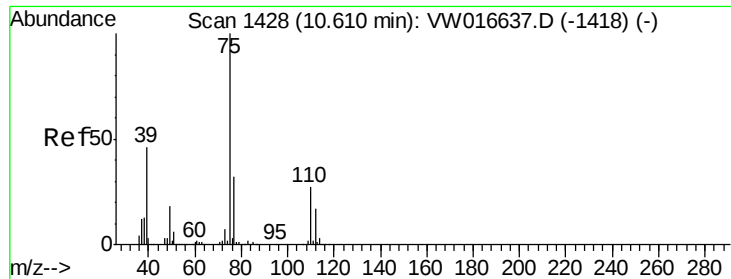
Tot Ion: 75 Resp: 5617  
 Ion Ratio Lower Upper  
 75 100  
 77 38.1 22.2 41.2



#44  
 Toluene  
 Concen: 0.662 ug/L  
 RT: 10.39 min Scan# 1392  
 Delta R.T. 0.00 min  
 Lab File: VW016646.D  
 Acq: 24 Sep 2020 17:36

Tgt Ion: 91 Resp: 22049  
 Ion Ratio Lower Upper  
 91 100  
 92 54.4 39.6 73.6





#45

trans-1,3-Dichloropropene

Concen: 0.356 ug/L

RT: 10.58 min Scan# 1423

Delta R.T. -0.03 min

Lab File: VW016646.D

Acq: 24 Sep 2020 17:36

Instrument :

MSVOA\_W

ClientSampleId :

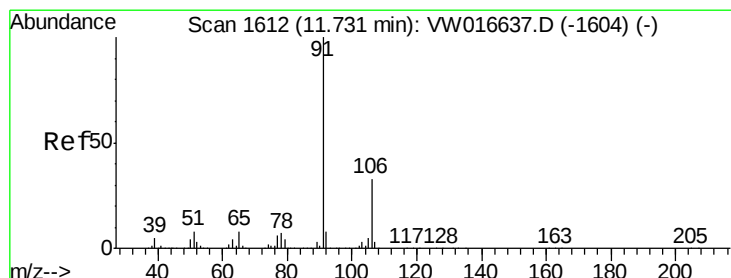
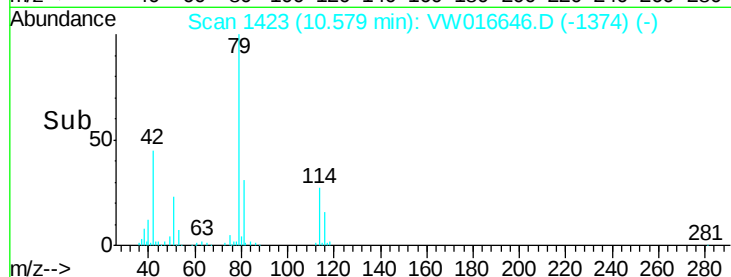
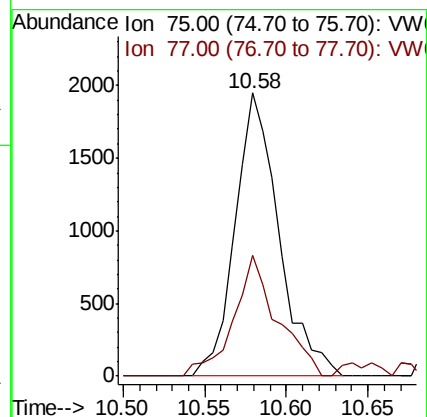
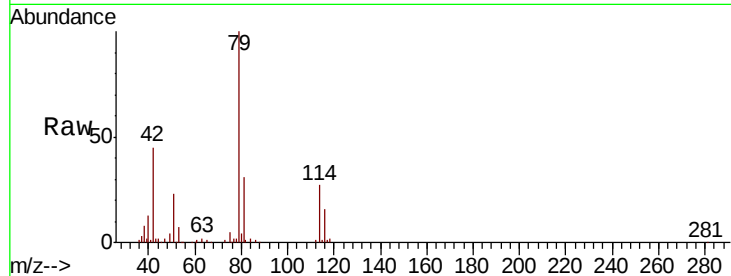
VIBLK10

Tot Ion: 75 Resp: 3644

Ion Ratio Lower Upper

75 100

77 42.6 22.5 41.9#



#53

Ethylbenzene

Concen: 0.251 ug/L

RT: 11.73 min Scan# 1612

Delta R.T. 0.00 min

Lab File: VW016646.D

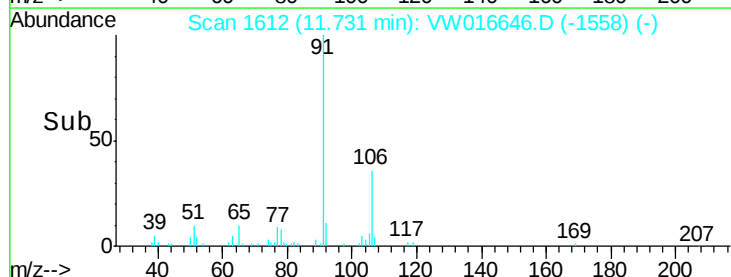
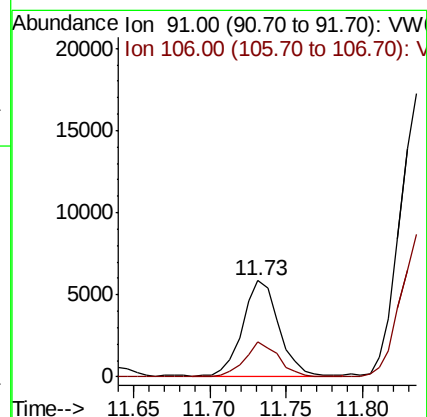
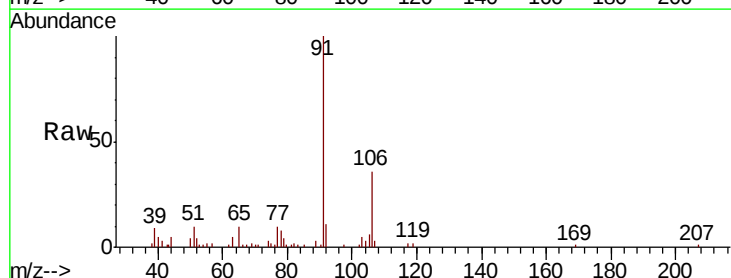
Acq: 24 Sep 2020 17:36

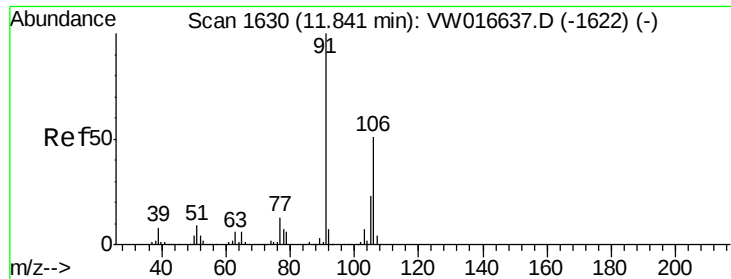
Tgt Ion: 91 Resp: 9499

Ion Ratio Lower Upper

91 100

106 35.7 20.7 38.5





#54

m,p-Xylene

Concen: 1.115 ug/L

RT: 11.84 min Scan# 1630

Delta R.T. 0.00 min

Lab File: VW016646.D

Acq: 24 Sep 2020 17:36

Instrument :

MSVOA\_W

ClientSampleId :

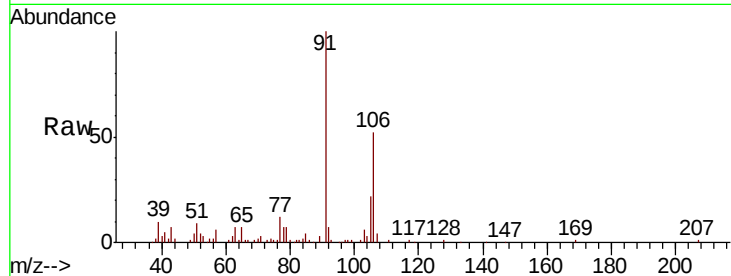
VIBLK10

Tot Ion:106 Resp: 16520

Ion Ratio Lower Upper

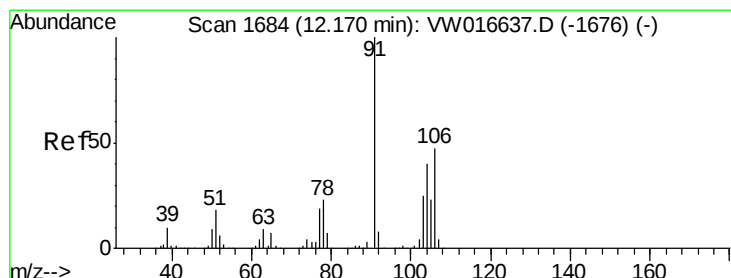
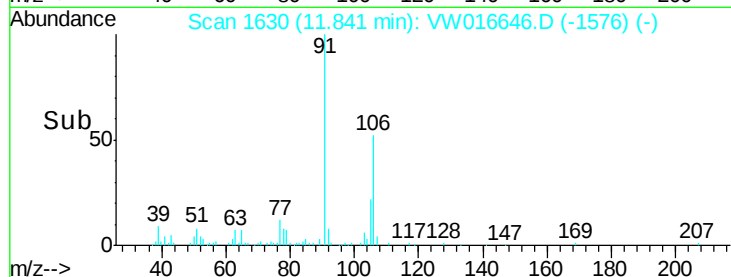
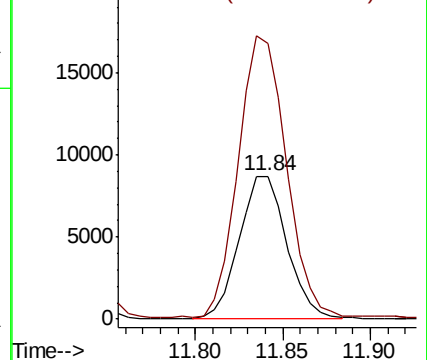
106 100

91 193.4 139.7 259.5



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VW



#55

o-xylene

Concen: 0.481 ug/L

RT: 12.17 min Scan# 1684

Delta R.T. 0.00 min

Lab File: VW016646.D

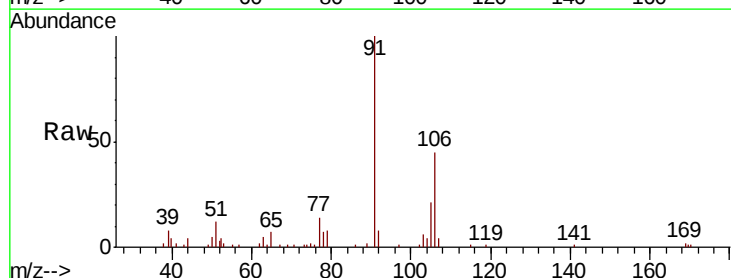
Acq: 24 Sep 2020 17:36

Tgt Ion:106 Resp: 6834

Ion Ratio Lower Upper

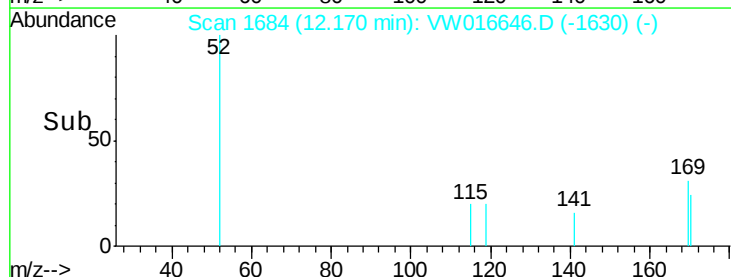
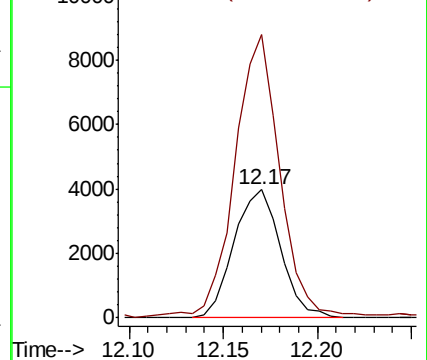
106 100

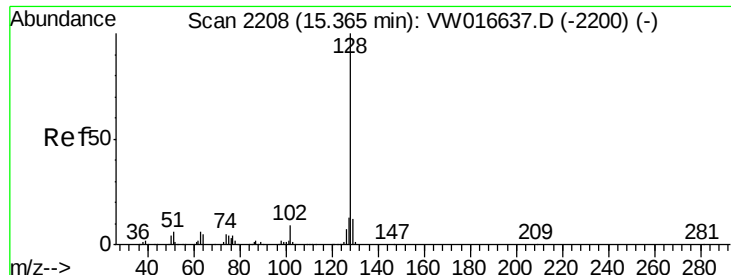
91 220.7 144.8 268.8



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VW





#69

Naphthalene

Concen: 1.790 ug/L

RT: 15.37 min Scan# 2209

Delta R.T. 0.01 min

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MSVOA\_W

ClientSampleId :

VIBLK10

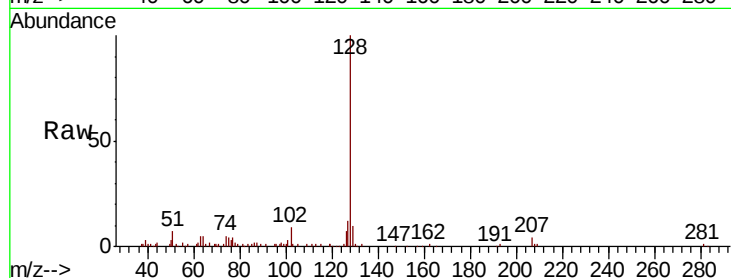
Tot Ion:128 Resp: 33387

Ion Ratio Lower Upper

128 100

129 10.9 8.9 13.3

127 14.8 10.8 16.2



Abundance Ion 128.00 (127.70 to 128.70): V

Ion 129.00 (128.70 to 129.70): V

Ion 127.00 (126.70 to 127.70): V

