

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW111220\  
 Data File : VW017177.D  
 Acq On : 12 Nov 2020 11:51  
 Operator : SY/VA  
 Sample : VW1112SBL01  
 Misc : 5.00G/10ML/MSVOA W/SOIL  
 ALS Vial : 4 Sample Multiplier: 1

Instrument :  
 MSVOA\_W  
 ClientSampleId :  
 VBLK29

Quant Time: Nov 13 04:18:51 2020  
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_W\METHOD\SOM2WLM110420S.M  
 Quant Title : VOC Analysis  
 QLast Update : Fri Nov 13 04:11:30 2020  
 Response via : Initial Calibration

| Internal Standards         | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|----------------------------|-------|------|----------|-------|-------|----------|
| 1) 1,4-Difluorobenzene     | 8.85  | 114  | 387110   | 25.00 | ug/L  | 0.00     |
| 28) Chlorobenzene-d5       | 11.63 | 117  | 363067   | 25.00 | ug/L  | 0.00     |
| 60) 1,4-Dichlorobenzene-d4 | 13.56 | 152  | 167681   | 25.00 | ug/L  | 0.00     |

## System Monitoring Compounds

|                                |        |       |          |          |      |         |
|--------------------------------|--------|-------|----------|----------|------|---------|
| 4) Vinyl Chloride-d3           | 2.36   | 65    | 127106   | 26.07    | ug/L | 0.00    |
| Spiked Amount                  | 25.000 | Range | 30 - 150 | Recovery | =    | 104.28% |
| 7) Chloroethane-d5             | 2.90   | 69    | 108136   | 28.78    | ug/L | 0.00    |
| Spiked Amount                  | 25.000 | Range | 30 - 150 | Recovery | =    | 115.12% |
| 10) 1,1-Dichloroethene-d2      | 4.03   | 63    | 167143   | 19.16    | ug/L | 0.00    |
| Spiked Amount                  | 25.000 | Range | 45 - 110 | Recovery | =    | 76.64%  |
| 20) 2-Butanone-d5              | 7.09   | 46    | 54325    | 49.82    | ug/L | 0.00    |
| Spiked Amount                  | 50.000 | Range | 20 - 135 | Recovery | =    | 99.64%  |
| 24) Chloroform-d               | 7.65   | 84    | 252441   | 27.93    | ug/L | 0.00    |
| Spiked Amount                  | 25.000 | Range | 40 - 150 | Recovery | =    | 111.72% |
| 26) 1,2-Dichloroethane-d4      | 8.31   | 65    | 128208   | 28.54    | ug/L | 0.00    |
| Spiked Amount                  | 25.000 | Range | 70 - 130 | Recovery | =    | 114.16% |
| 29) Benzene-d6                 | 8.28   | 84    | 484636   | 26.21    | ug/L | 0.00    |
| Spiked Amount                  | 25.000 | Range | 20 - 135 | Recovery | =    | 104.84% |
| 33) 1,2-Dichloropropane-d6     | 9.28   | 67    | 136582   | 26.71    | ug/L | 0.00    |
| Spiked Amount                  | 25.000 | Range | 70 - 120 | Recovery | =    | 106.84% |
| 37) Toluene-d8                 | 10.33  | 98    | 452591   | 25.96    | ug/L | 0.00    |
| Spiked Amount                  | 25.000 | Range | 30 - 130 | Recovery | =    | 103.84% |
| 38) trans-1,3-Dichloropropene- | 10.58  | 79    | 55320    | 23.99    | ug/L | 0.00    |
| Spiked Amount                  | 25.000 | Range | 30 - 135 | Recovery | =    | 95.96%  |
| 39) 2-Hexanone-d5              | 10.93  | 63    | 42207    | 47.29    | ug/L | 0.00    |
| Spiked Amount                  | 50.000 | Range | 20 - 135 | Recovery | =    | 94.58%  |
| 48) 1,1,2,2-Tetrachloroethane- | 12.69  | 84    | 117717   | 26.43    | ug/L | 0.00    |
| Spiked Amount                  | 25.000 | Range | 45 - 120 | Recovery | =    | 105.72% |
| 61) 1,2-Dichlorobenzene-d4     | 13.85  | 152   | 169447   | 28.68    | ug/L | 0.00    |
| Spiked Amount                  | 25.000 | Range | 75 - 120 | Recovery | =    | 114.72% |

## Target Compounds

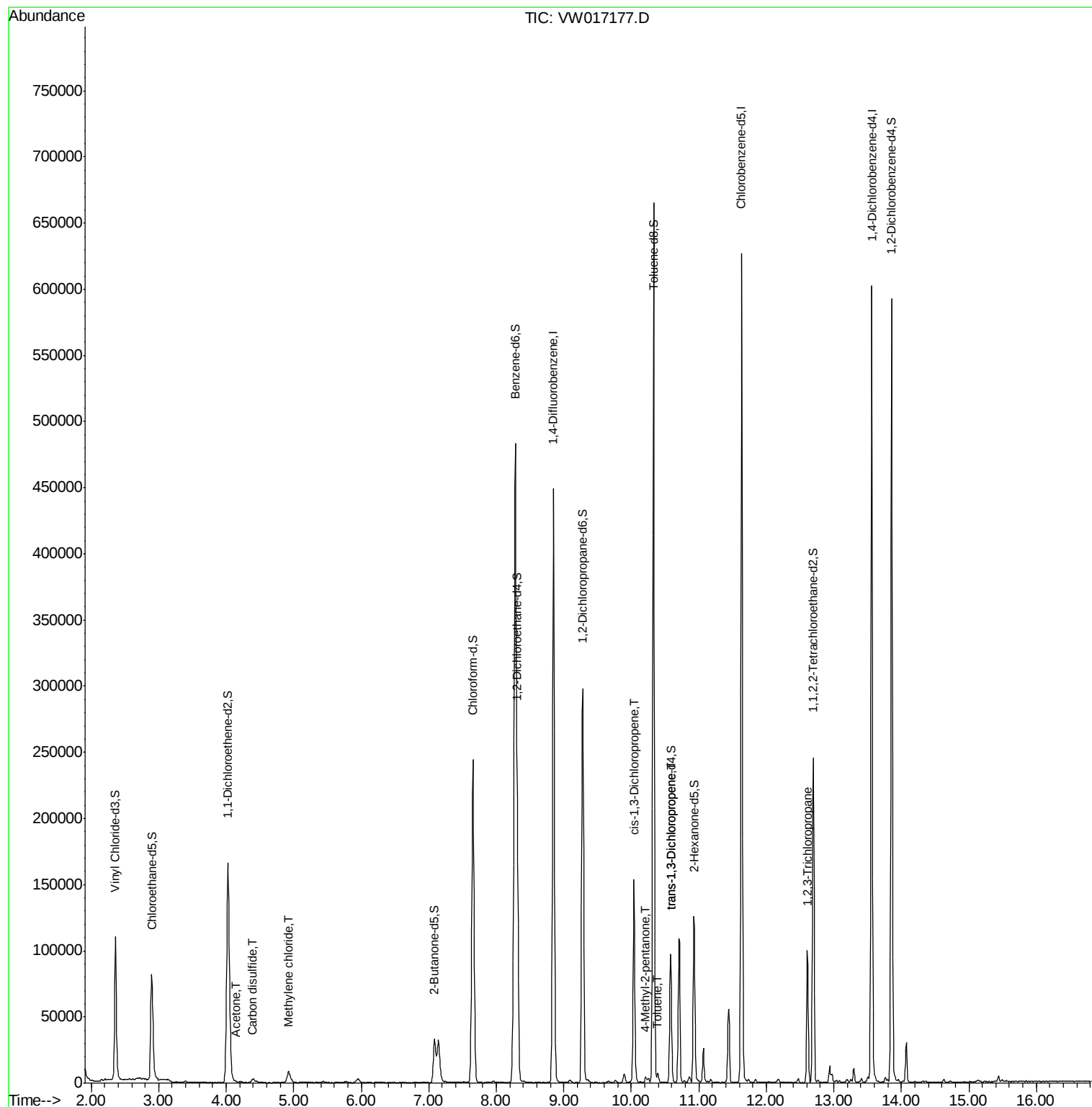
|                               |       |    |      |              | Ovalue |
|-------------------------------|-------|----|------|--------------|--------|
| 13) Acetone                   | 4.15  | 43 | 411  | 0.563 ug/L   | 79     |
| 14) Carbon disulfide          | 4.39  | 76 | 3632 | 0.278 ug/L   | 96     |
| 16) Methylene chloride        | 4.93  | 84 | 7127 | 1.366 ug/L   | 87     |
| 42) cis-1,3-Dichloropropene   | 10.04 | 75 | 4230 | 0.599 ug/L # | 43     |
| 43) 4-Methyl-2-pentanone      | 10.21 | 43 | 3045 | 1.107 ug/L   | 96     |
| 44) Toluene                   | 10.39 | 91 | 4979 | 0.237 ug/L   | 98     |
| 45) trans-1,3-Dichloropropene | 10.58 | 75 | 2947 | 0.486 ug/L   | 92     |
| 59) 1,2,3-Trichloropropane    | 12.61 | 75 | 1080 | 0.338 ug/L   | 99     |

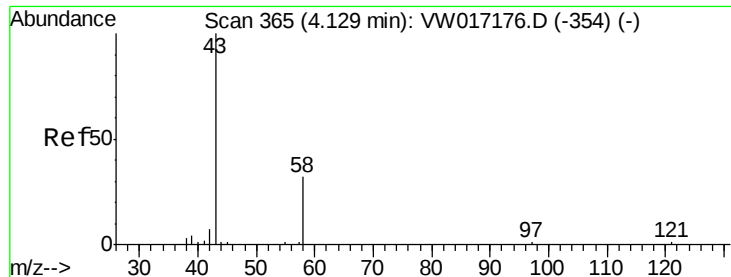
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Sample : VW1112SBL01  
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VBLK29

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Quant Title : VOC Analysis  
QLast Update : Fri Nov 13 04:11:30 2020  
Response via : Initial Calibration





#13

Acetone

Concen: 0.563 ug/L

RT: 4.15 min Scan# 368

Delta R.T. 0.02 min

Lab File: VW017177.D

Acq: 12 Nov 2020 11:51

Instrument :

MSVOA\_W

ClientSampleId :

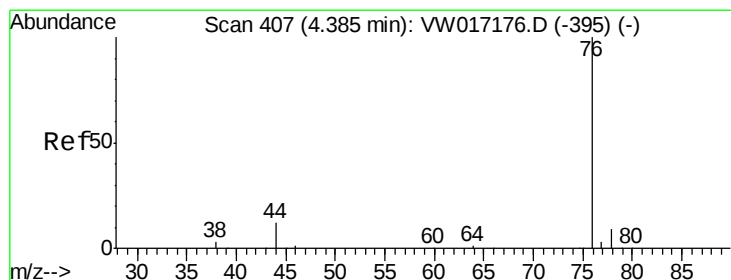
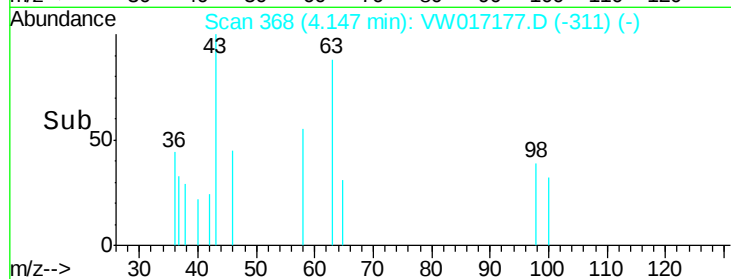
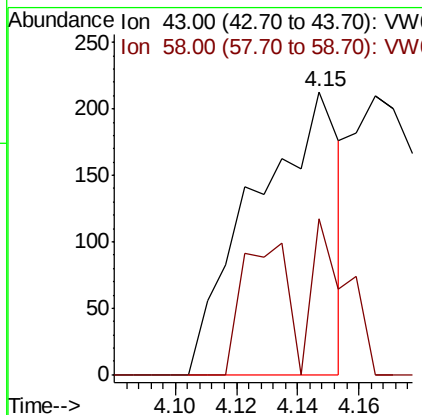
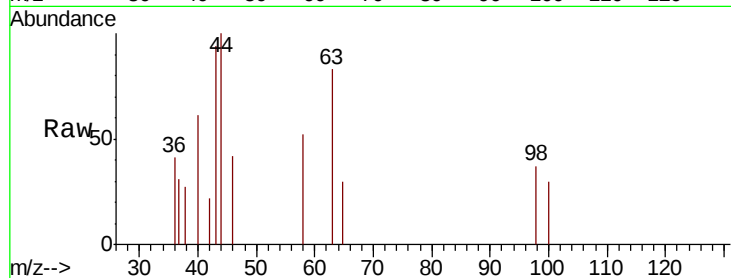
VBLK29

Tot Ion: 43 Resp: 411

Ion Ratio Lower Upper

43 100

58 22.6 0.0 69.2



#14

Carbon disulfide

Concen: 0.278 ug/L

RT: 4.39 min Scan# 408

Delta R.T. 0.01 min

Lab File: VW017177.D

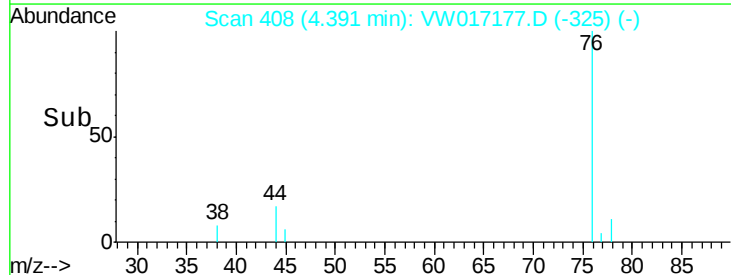
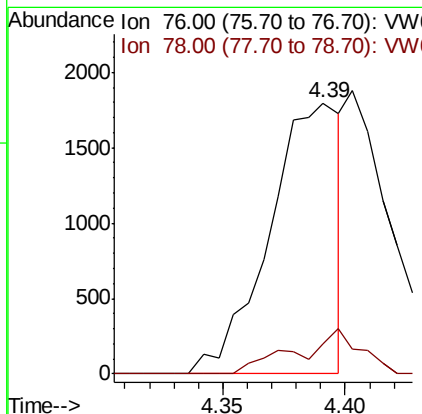
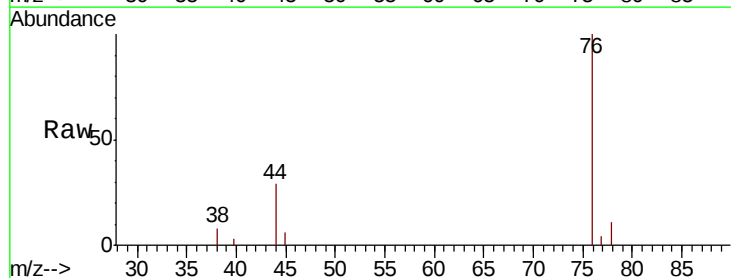
Acq: 12 Nov 2020 11:51

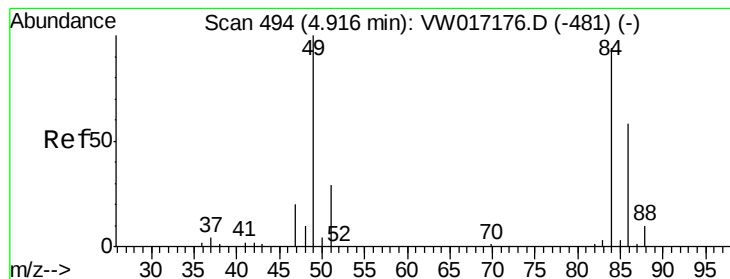
Tgt Ion: 76 Resp: 3632

Ion Ratio Lower Upper

76 100

78 11.0 7.6 11.4





#16

Methylene chloride

Concen: 1.366 ug/L

RT: 4.93 min Scan# 496

Delta R.T. 0.01 min

Lab File: VW017177.D

Acq: 12 Nov 2020 11:51

Instrument :

MSVOA\_W

ClientSampleId :

VBLK29

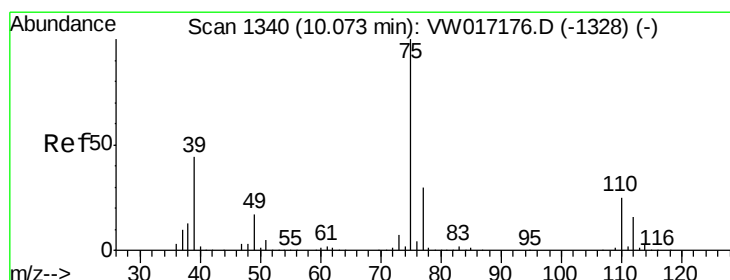
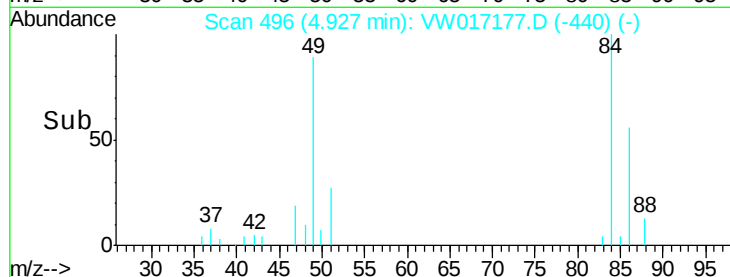
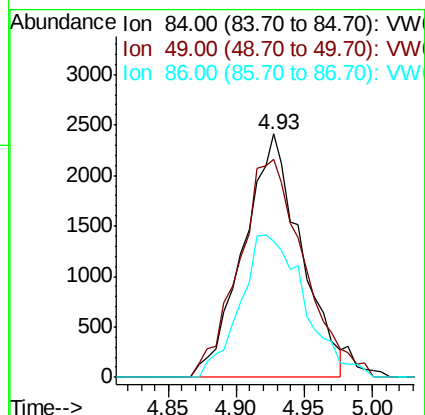
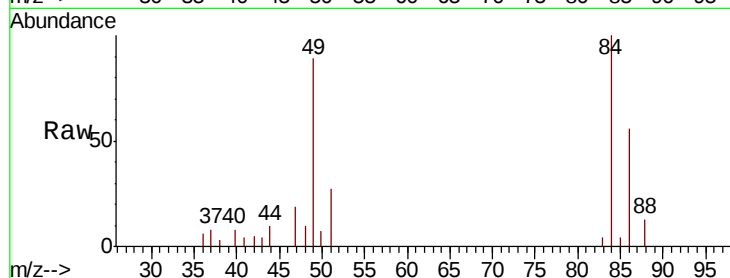
Tot Ion: 84 Resp: 7127

Ion Ratio Lower Upper

84 100

49 89.3 72.3 134.3

86 55.7 45.1 83.7



#42

cis-1,3-Dichloropropene

Concen: 0.599 ug/L

RT: 10.04 min Scan# 1335

Delta R.T. -0.03 min

Lab File: VW017177.D

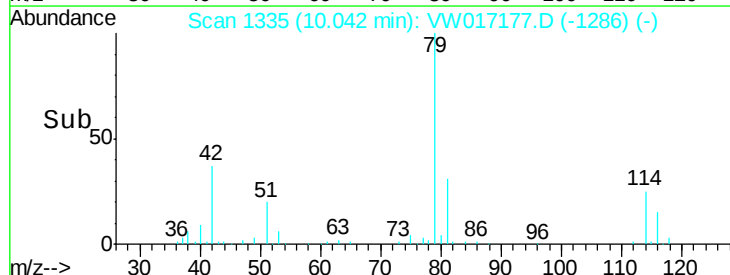
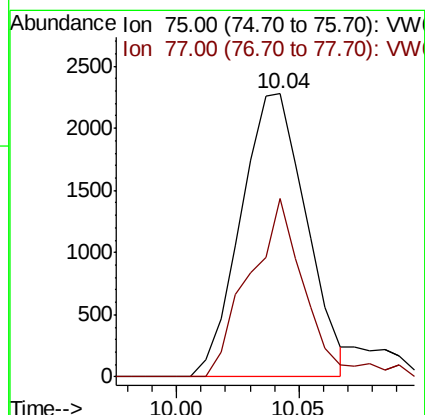
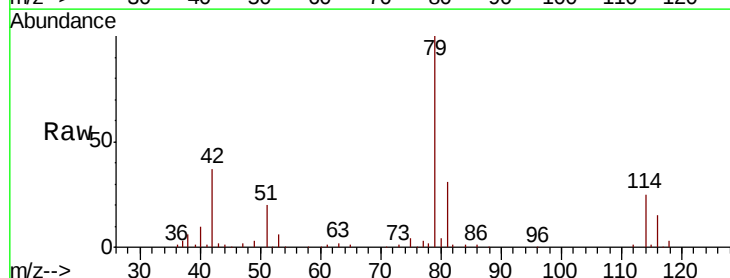
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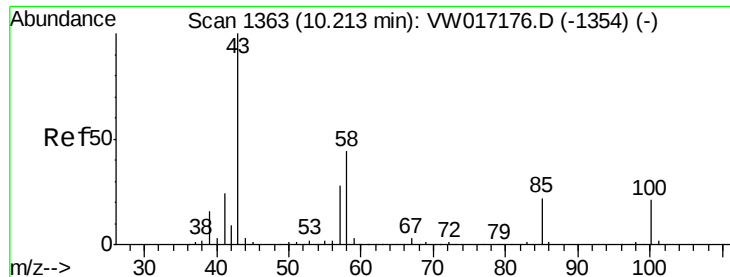
Tgt Ion: 75 Resp: 4230

Ion Ratio Lower Upper

75 100

77 63.0 22.0 41.0#

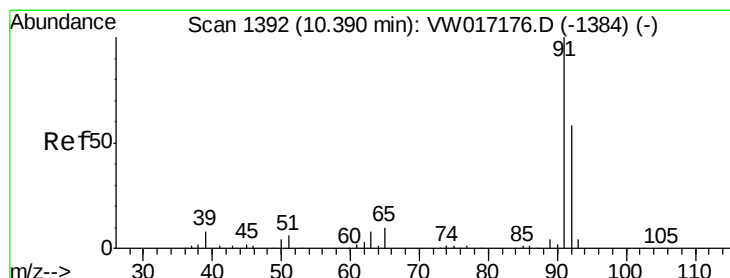
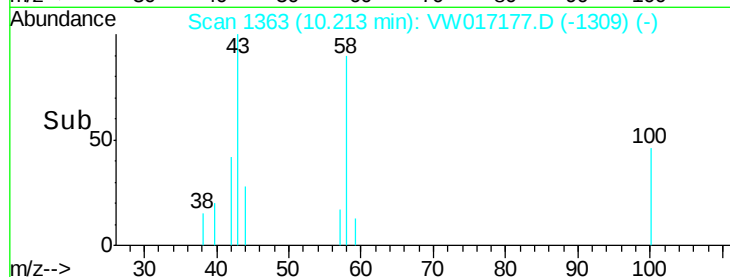
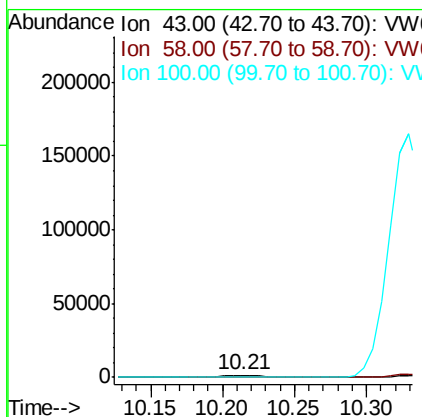
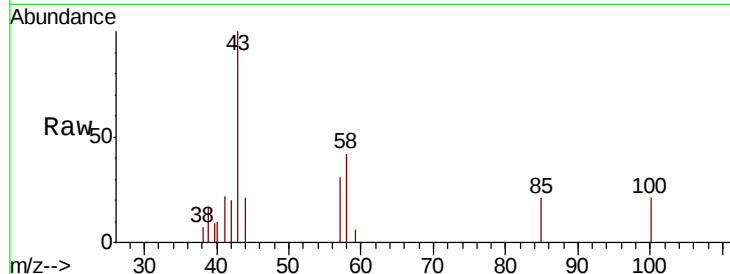




#43  
4-Methyl-2-pentanone  
Concen: 1.107 ug/L  
RT: 10.21 min Scan# 1363  
Delta R.T. -0.00 min  
Lab File: VW017177.D  
Acq: 12 Nov 2020 11:51

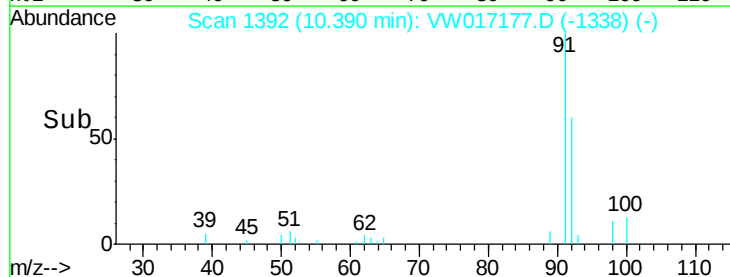
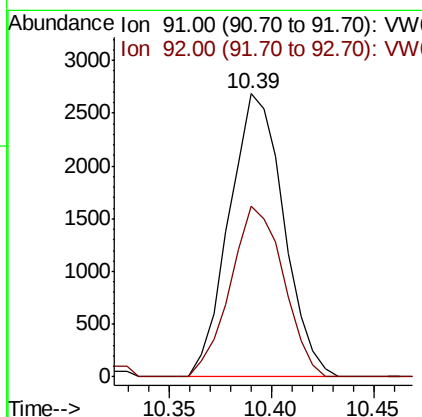
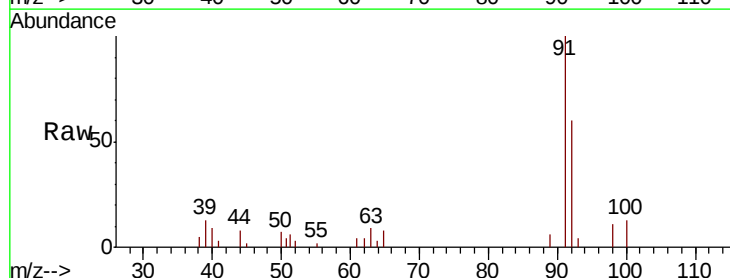
Instrument :  
MSVOA\_W  
ClientSampled :  
VBLK29

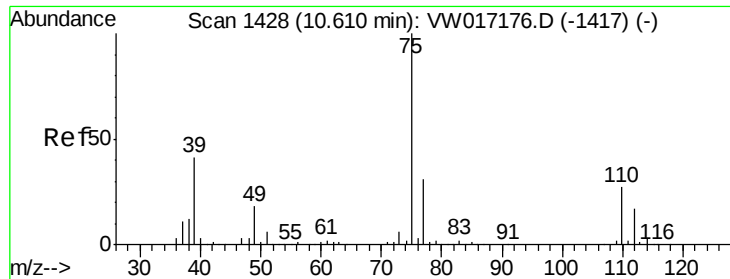
Tot Ion: 43 Resp: 3045  
Ion Ratio Lower Upper  
43 100  
58 39.9 35.0 52.6  
100 20.4 16.6 24.8



#44  
Toluene  
Concen: 0.237 ug/L  
RT: 10.39 min Scan# 1392  
Delta R.T. -0.00 min  
Lab File: VW017177.D  
Acq: 12 Nov 2020 11:51

Tgt Ion: 91 Resp: 4979  
Ion Ratio Lower Upper  
91 100  
92 60.4 41.4 76.8





#45

trans-1,3-Dichloropropene

Concen: 0.486 ug/L

RT: 10.58 min Scan# 1423

Delta R.T. -0.03 min

Lab File: VW017177.D

Acq: 12 Nov 2020 11:51

Instrument :

MSVOA\_W

ClientSampleId :

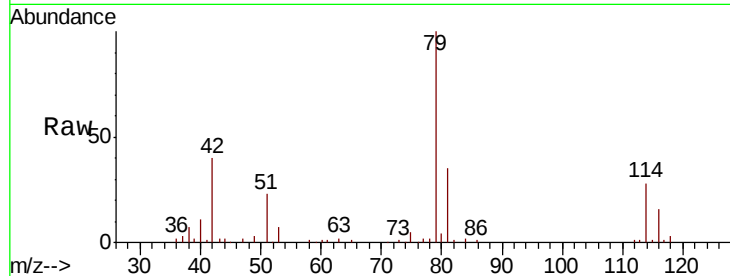
VBLK29

Tot Ion: 75 Resp: 2947

Ion Ratio Lower Upper

75 100

77 36.3 22.1 41.1



Abundance Ion 75.00 (74.70 to 75.70): VW

Ion 77.00 (76.70 to 77.70): VW

10.58

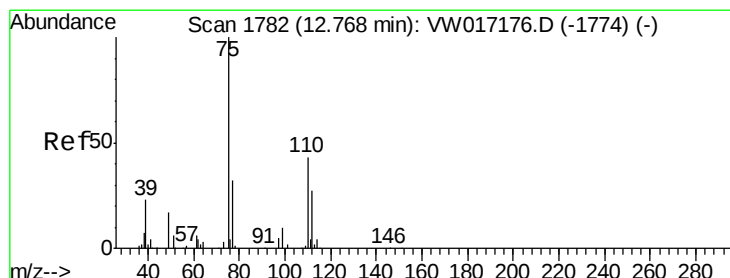
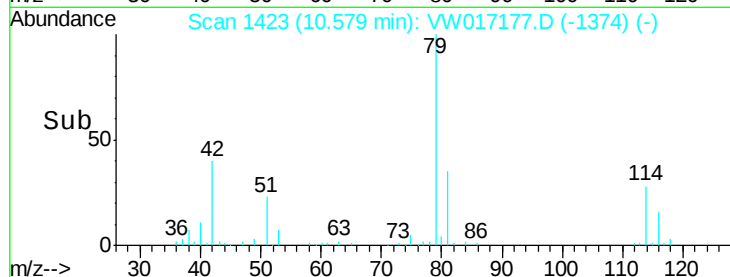
1500

1000

500

0

Time-->



#59

1,2,3-Trichloropropane

Concen: 0.338 ug/L

RT: 12.61 min Scan# 1756

Delta R.T. -0.16 min

Lab File: VW017177.D

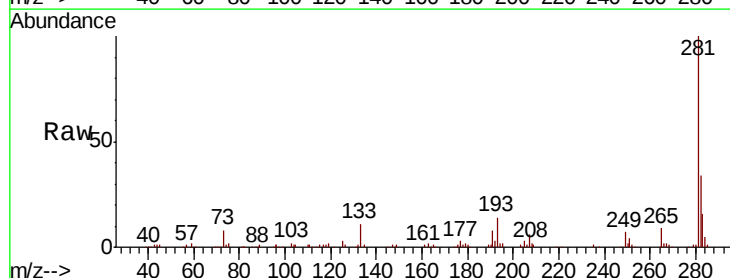
Acq: 12 Nov 2020 11:51

Tgt Ion: 75 Resp: 1080

Ion Ratio Lower Upper

75 100

77 33.7 26.4 39.6



Abundance Ion 75.00 (74.70 to 75.70): VW

Ion 77.00 (76.70 to 77.70): VW

12.61

600

400

200

0

Time-->

