

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW120720\  
 Data File : VW017576.D  
 Acq On : 07 Dec 2020 13:55  
 Operator : SY/VA  
 Sample : L4941-12  
 Misc : 5.11G/10ML/MSVOA W/SOIL  
 ALS Vial : 10 Sample Multiplier: 1

Instrument :  
 MSVOA\_W  
 ClientSampleId :

Quant Time: Dec 20 03:55:47 2020  
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_W\METHOD\SOM2WLM112420S.M  
 Quant Title : VOC Analysis  
 QLast Update : Sun Dec 20 03:53:49 2020  
 Response via : Initial Calibration

| Internal Standards         | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|----------------------------|-------|------|----------|-------|-------|----------|
| 1) 1,4-Difluorobenzene     | 8.84  | 114  | 346785   | 25.00 | ug/L  | 0.00     |
| 28) Chlorobenzene-d5       | 11.63 | 117  | 303832   | 25.00 | ug/L  | 0.00     |
| 60) 1,4-Dichlorobenzene-d4 | 13.56 | 152  | 124622   | 25.00 | ug/L  | 0.00     |

## System Monitoring Compounds

|                                |        |       |          |          |      |         |
|--------------------------------|--------|-------|----------|----------|------|---------|
| 4) Vinyl Chloride-d3           | 2.36   | 65    | 93168    | 20.42    | ug/L | 0.00    |
| Spiked Amount                  | 25.000 | Range | 30 - 150 | Recovery | =    | 81.68%  |
| 7) Chloroethane-d5             | 2.89   | 69    | 85930    | 22.32    | ug/L | 0.00    |
| Spiked Amount                  | 25.000 | Range | 30 - 150 | Recovery | =    | 89.28%  |
| 10) 1,1-Dichloroethene-d2      | 4.03   | 63    | 165671   | 16.31    | ug/L | 0.00    |
| Spiked Amount                  | 25.000 | Range | 45 - 110 | Recovery | =    | 65.24%  |
| 20) 2-Butanone-d5              | 7.08   | 46    | 57613    | 59.89    | ug/L | 0.00    |
| Spiked Amount                  | 50.000 | Range | 20 - 135 | Recovery | =    | 119.78% |
| 24) Chloroform-d               | 7.65   | 84    | 256406   | 26.03    | ug/L | 0.00    |
| Spiked Amount                  | 25.000 | Range | 40 - 150 | Recovery | =    | 104.12% |
| 26) 1,2-Dichloroethane-d4      | 8.31   | 65    | 136789   | 28.30    | ug/L | 0.00    |
| Spiked Amount                  | 25.000 | Range | 70 - 130 | Recovery | =    | 113.20% |
| 29) Benzene-d6                 | 8.28   | 84    | 464889   | 24.88    | ug/L | 0.00    |
| Spiked Amount                  | 25.000 | Range | 20 - 135 | Recovery | =    | 99.52%  |
| 33) 1,2-Dichloropropane-d6     | 9.27   | 67    | 143462   | 27.75    | ug/L | 0.00    |
| Spiked Amount                  | 25.000 | Range | 70 - 120 | Recovery | =    | 111.00% |
| 37) Toluene-d8                 | 10.32  | 98    | 403803   | 23.73    | ug/L | 0.00    |
| Spiked Amount                  | 25.000 | Range | 30 - 130 | Recovery | =    | 94.92%  |
| 38) trans-1,3-Dichloropropene- | 10.58  | 79    | 50128    | 21.70    | ug/L | 0.00    |
| Spiked Amount                  | 25.000 | Range | 30 - 135 | Recovery | =    | 86.80%  |
| 39) 2-Hexanone-d5              | 10.93  | 63    | 30495    | 47.66    | ug/L | 0.00    |
| Spiked Amount                  | 50.000 | Range | 20 - 135 | Recovery | =    | 95.32%  |
| 48) 1,1,2,2-Tetrachloroethane- | 12.69  | 84    | 105626   | 28.39    | ug/L | 0.00    |
| Spiked Amount                  | 25.000 | Range | 45 - 120 | Recovery | =    | 113.56% |
| 61) 1,2-Dichlorobenzene-d4     | 13.85  | 152   | 115056   | 24.94    | ug/L | 0.00    |
| Spiked Amount                  | 25.000 | Range | 75 - 120 | Recovery | =    | 99.76%  |

## Target Compounds

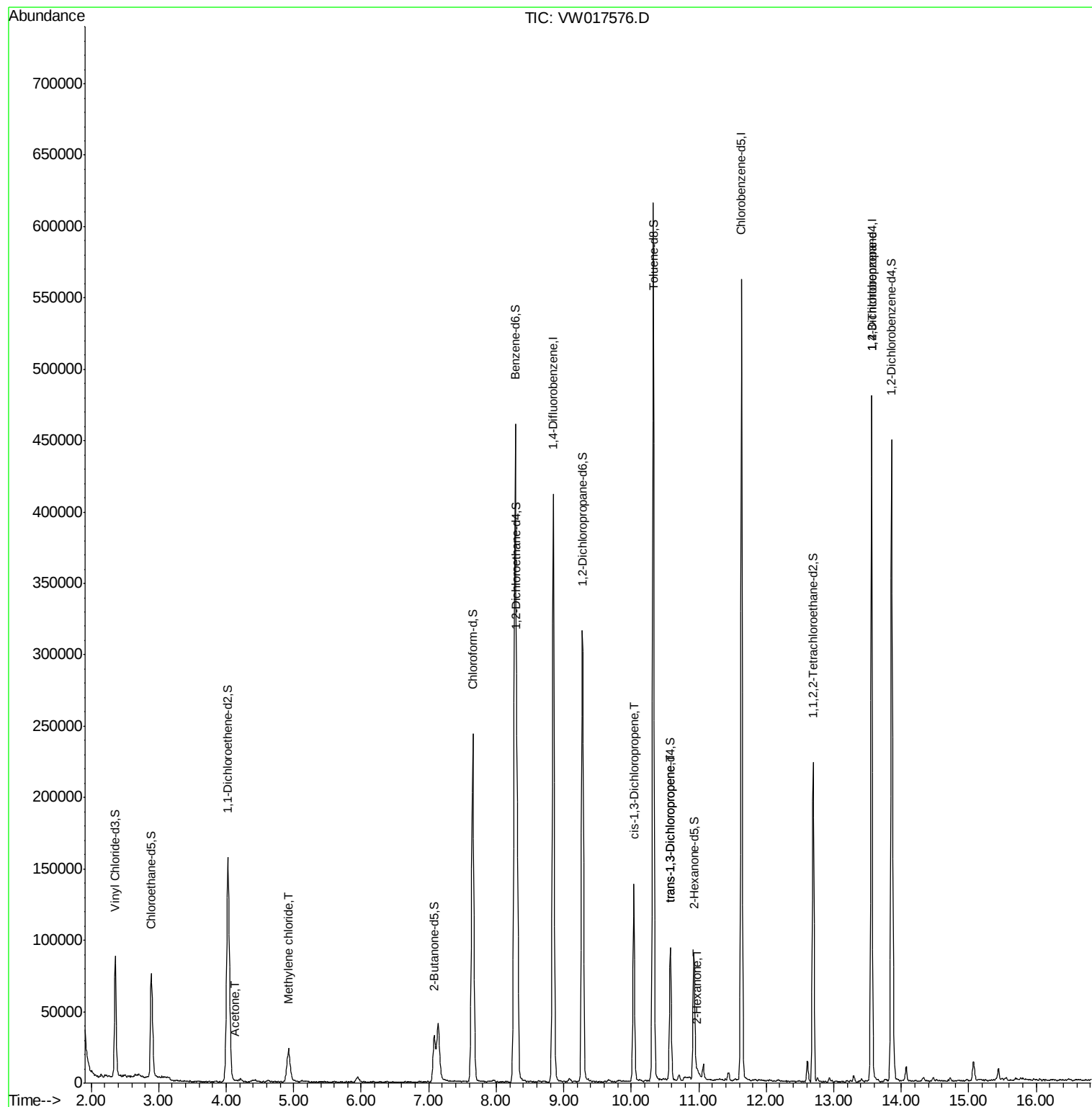
|                               |       |    |       |              | Ovalue |
|-------------------------------|-------|----|-------|--------------|--------|
| 13) Acetone                   | 4.14  | 43 | 989   | 1.068 ug/L   | 66     |
| 16) Methylene chloride        | 4.92  | 84 | 11402 | 2.190 ug/L   | 99     |
| 42) cis-1,3-Dichloropropene   | 10.04 | 75 | 3713  | 0.559 ug/L   | 86     |
| 45) trans-1,3-Dichloropropene | 10.58 | 75 | 2803  | 0.492 ug/L # | 74     |
| 49) 2-Hexanone                | 10.98 | 43 | 763   | 0.547 ug/L # | 71     |
| 59) 1,2,3-Trichloropropane    | 13.56 | 75 | 15266 | 5.979 ug/L   | 97     |

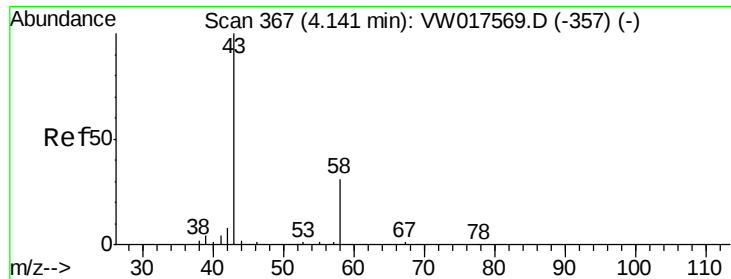
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA W\DATA\VW120720\  
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Sample : L4941-12  
Misc : 5.11G/10ML/MSVOA W/SOIL  
ALS Vial : 10 Sample Multiplier: 1

Instrument :  
MSVOA\_W  
ClientSampleId :

Quant Time: Dec 20 03:55:47 2020  
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA\_W\METHOD\SOM2WLM112420S.M  
Quant Title : VOC Analysis  
QLast Update : Sun Dec 20 03:53:49 2020  
Response via : Initial Calibration





#13

Acetone

Concen: 1.068 ug/L

RT: 4.14 min Scan# 367

Delta R.T. 0.00 min

Lab File: VW017576.D

Acq: 07 Dec 2020 13:55

Instrument :

MSVOA\_W

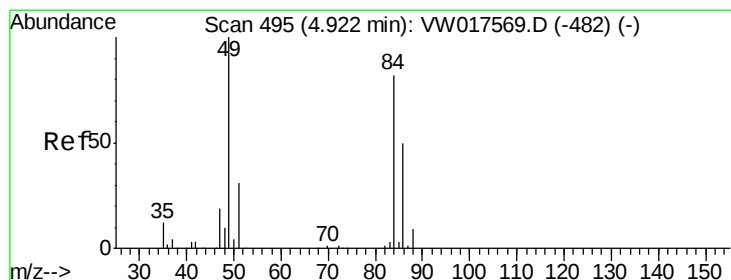
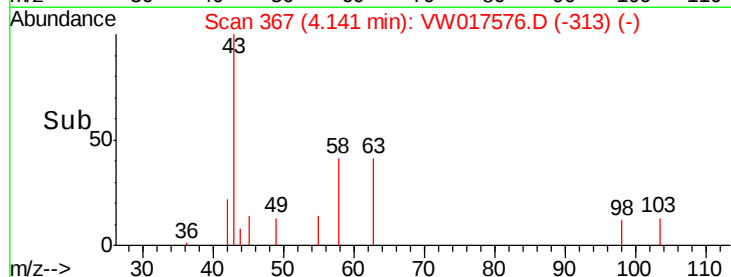
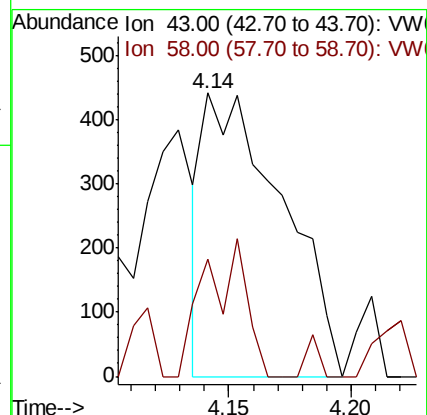
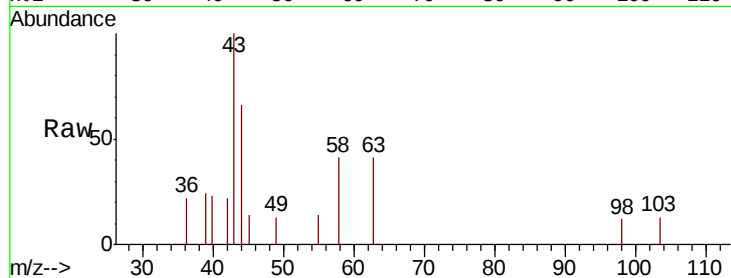
ClientSampled :

Tot Ion: 43 Resp: 989

Ion Ratio Lower Upper

43 100

58 14.5 0.0 68.4



#16

Methylene chloride

Concen: 2.190 ug/L

RT: 4.92 min Scan# 494

Delta R.T. -0.01 min

Lab File: VW017576.D

Acq: 07 Dec 2020 13:55

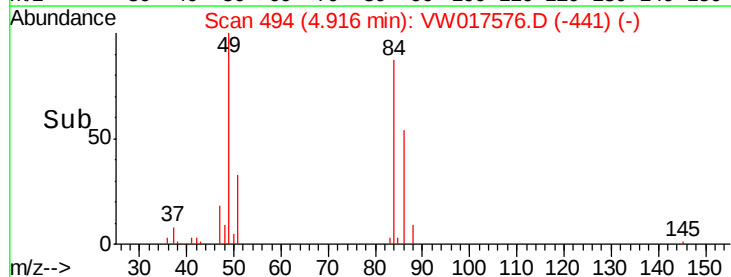
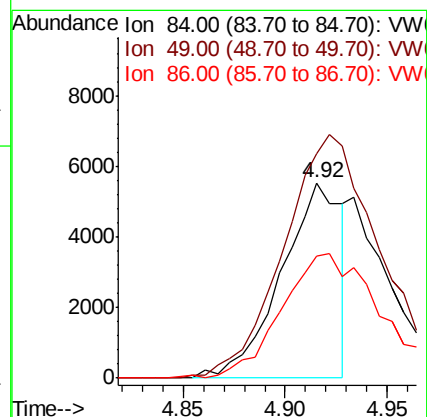
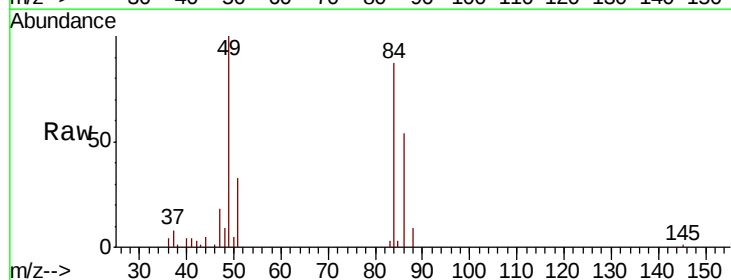
Tgt Ion: 84 Resp: 11402

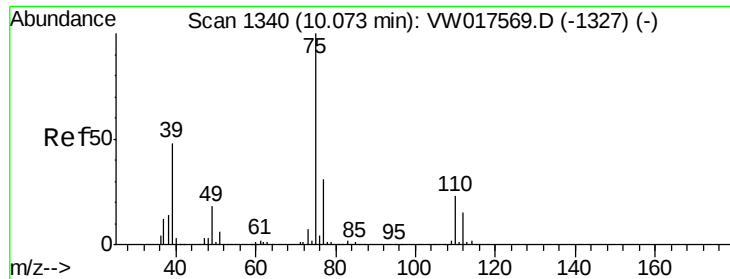
Ion Ratio Lower Upper

84 100

49 114.9 81.2 150.8

86 62.2 44.5 82.7





#42

cis-1,3-Dichloropropene

Concen: 0.559 ug/L

RT: 10.04 min Scan# 1334

Delta R.T. -0.04 min

Lab File: VW017576.D

Acq: 07 Dec 2020 13:55

Instrument :

MSVOA\_W

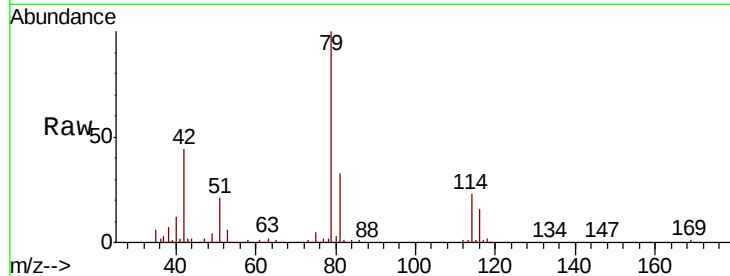
ClientSampled :

Tot Ion: 75 Resp: 3713

Ion Ratio Lower Upper

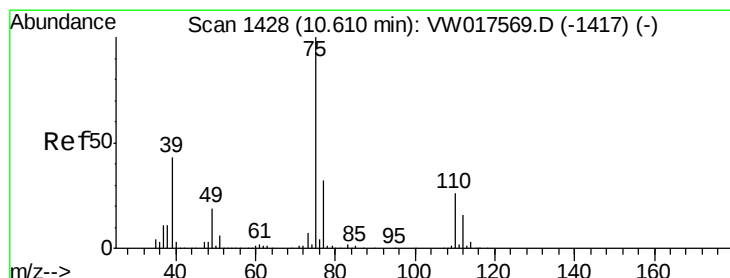
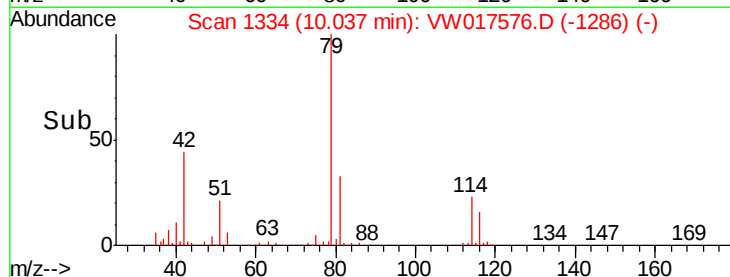
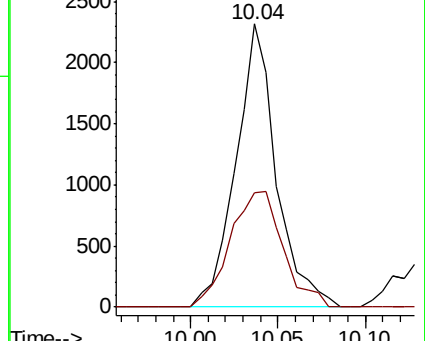
75 100

77 40.3 22.7 42.3



Abundance Ion 75.00 (74.70 to 75.70): VW

Ion 77.00 (76.70 to 77.70): VW



#45

trans-1,3-Dichloropropene

Concen: 0.492 ug/L

RT: 10.58 min Scan# 1423

Delta R.T. -0.03 min

Lab File: VW017576.D

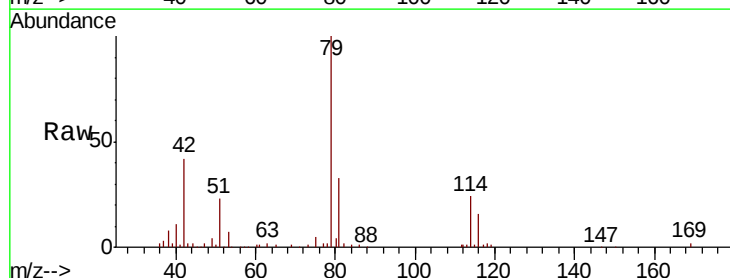
Acq: 07 Dec 2020 13:55

Tgt Ion: 75 Resp: 2803

Ion Ratio Lower Upper

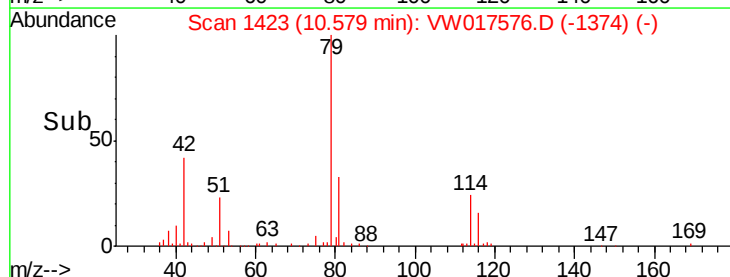
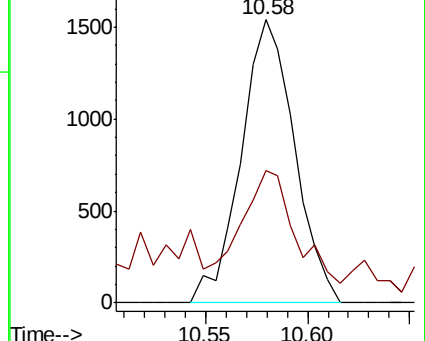
75 100

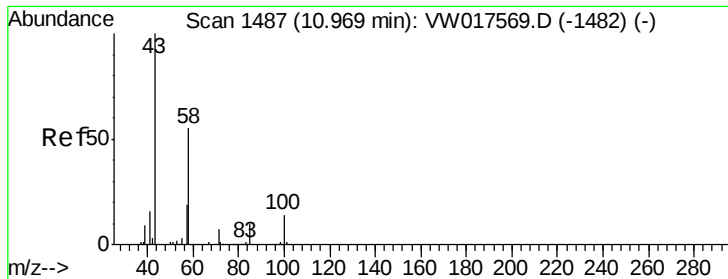
77 46.7 22.6 42.0#



Abundance Ion 75.00 (74.70 to 75.70): VW

Ion 77.00 (76.70 to 77.70): VW





#49

2-Hexanone

Concen: 0.547 ug/L

RT: 10.98 min Scan# 1488

Delta R.T. 0.01 min

Lab File: VW017576.D

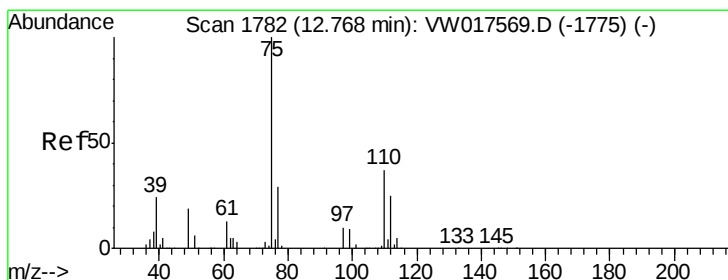
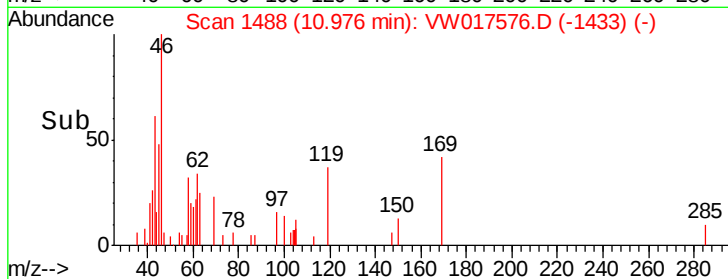
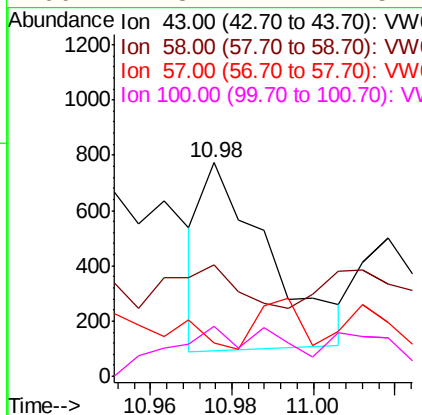
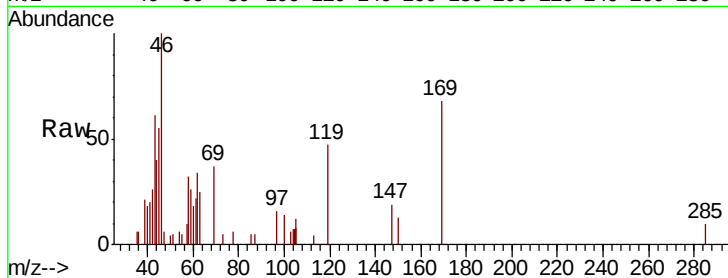
Acq: 07 Dec 2020 13:55

Instrument :

MSVOA\_W

ClientSampled :

|          |       |       |       |
|----------|-------|-------|-------|
| Tot Ion: | 43    | Resp: | 763   |
| Ion      | Ratio | Lower | Upper |
| 43       | 100   |       |       |
| 58       | 93.1  | 51.3  | 76.9# |
| 57       | 20.2  | 15.0  | 22.6  |
| 100      | 27.8  | 12.2  | 18.2# |



#59

1,2,3-Trichloropropane

Concen: 5.979 ug/L

RT: 13.56 min Scan# 1912

Delta R.T. 0.79 min

Lab File: VW017576.D

Acq: 07 Dec 2020 13:55

|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 75    | Resp: | 15266 |
| Ion      | Ratio | Lower | Upper |
| 75       | 100   |       |       |
| 77       | 31.3  | 26.6  | 39.8  |

