

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW102820\  
 Data File : VW017017.D  
 Acq On : 28 Oct 2020 18:21  
 Operator : SY/VA  
 Sample : VIBLK  
 Misc : 5.00G/10ML/MSVOA W/SOIL  
 ALS Vial : 19 Sample Multiplier: 1

Instrument :  
 MSVOA\_W  
 ClientSampleId :

Quant Time: Oct 29 08:10:13 2020  
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_W\METHOD\SOM2WLM102220S.M  
 Quant Title : VOC Analysis  
 QLast Update : Thu Oct 29 08:01:00 2020  
 Response via : Initial Calibration

| Internal Standards         | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|----------------------------|-------|------|----------|-------|-------|----------|
| 1) 1,4-Difluorobenzene     | 8.85  | 114  | 455325   | 25.00 | ug/L  | 0.00     |
| 28) Chlorobenzene-d5       | 11.63 | 117  | 445681   | 25.00 | ug/L  | 0.00     |
| 60) 1,4-Dichlorobenzene-d4 | 13.56 | 152  | 211883   | 25.00 | ug/L  | 0.00     |

## System Monitoring Compounds

|                                |        |       |          |          |      |          |
|--------------------------------|--------|-------|----------|----------|------|----------|
| 4) Vinyl Chloride-d3           | 2.36   | 65    | 106705   | 20.31    | ug/L | 0.00     |
| Spiked Amount                  | 25.000 | Range | 30 - 150 | Recovery | =    | 81.24%   |
| 7) Chloroethane-d5             | 2.89   | 69    | 88879    | 21.83    | ug/L | 0.00     |
| Spiked Amount                  | 25.000 | Range | 30 - 150 | Recovery | =    | 87.32%   |
| 10) 1,1-Dichloroethene-d2      | 4.03   | 63    | 159568   | 15.61    | ug/L | 0.00     |
| Spiked Amount                  | 25.000 | Range | 45 - 110 | Recovery | =    | 62.44%   |
| 20) 2-Butanone-d5              | 7.08   | 46    | 73518    | 74.27    | ug/L | 0.00     |
| Spiked Amount                  | 50.000 | Range | 20 - 135 | Recovery | =    | 148.54%# |
| 24) Chloroform-d               | 7.65   | 84    | 253554   | 24.14    | ug/L | 0.00     |
| Spiked Amount                  | 25.000 | Range | 40 - 150 | Recovery | =    | 96.56%   |
| 26) 1,2-Dichloroethane-d4      | 8.31   | 65    | 138389   | 28.00    | ug/L | 0.00     |
| Spiked Amount                  | 25.000 | Range | 70 - 130 | Recovery | =    | 112.00%  |
| 29) Benzene-d6                 | 8.28   | 84    | 515423   | 22.51    | ug/L | 0.00     |
| Spiked Amount                  | 25.000 | Range | 20 - 135 | Recovery | =    | 90.04%   |
| 33) 1,2-Dichloropropane-d6     | 9.27   | 67    | 148031   | 23.96    | ug/L | 0.00     |
| Spiked Amount                  | 25.000 | Range | 70 - 120 | Recovery | =    | 95.84%   |
| 37) Toluene-d8                 | 10.33  | 98    | 484248   | 22.47    | ug/L | 0.00     |
| Spiked Amount                  | 25.000 | Range | 30 - 130 | Recovery | =    | 89.88%   |
| 38) trans-1,3-Dichloropropene- | 10.58  | 79    | 62691    | 23.90    | ug/L | 0.00     |
| Spiked Amount                  | 25.000 | Range | 30 - 135 | Recovery | =    | 95.60%   |
| 39) 2-Hexanone-d5              | 10.93  | 63    | 60478    | 69.70    | ug/L | 0.00     |
| Spiked Amount                  | 50.000 | Range | 20 - 135 | Recovery | =    | 139.40%# |
| 48) 1,1,2,2-Tetrachloroethane- | 12.69  | 84    | 141727   | 30.11    | ug/L | 0.00     |
| Spiked Amount                  | 25.000 | Range | 45 - 120 | Recovery | =    | 120.44%# |
| 61) 1,2-Dichlorobenzene-d4     | 13.85  | 152   | 191419   | 25.70    | ug/L | 0.00     |
| Spiked Amount                  | 25.000 | Range | 75 - 120 | Recovery | =    | 102.80%  |

## Target Compounds

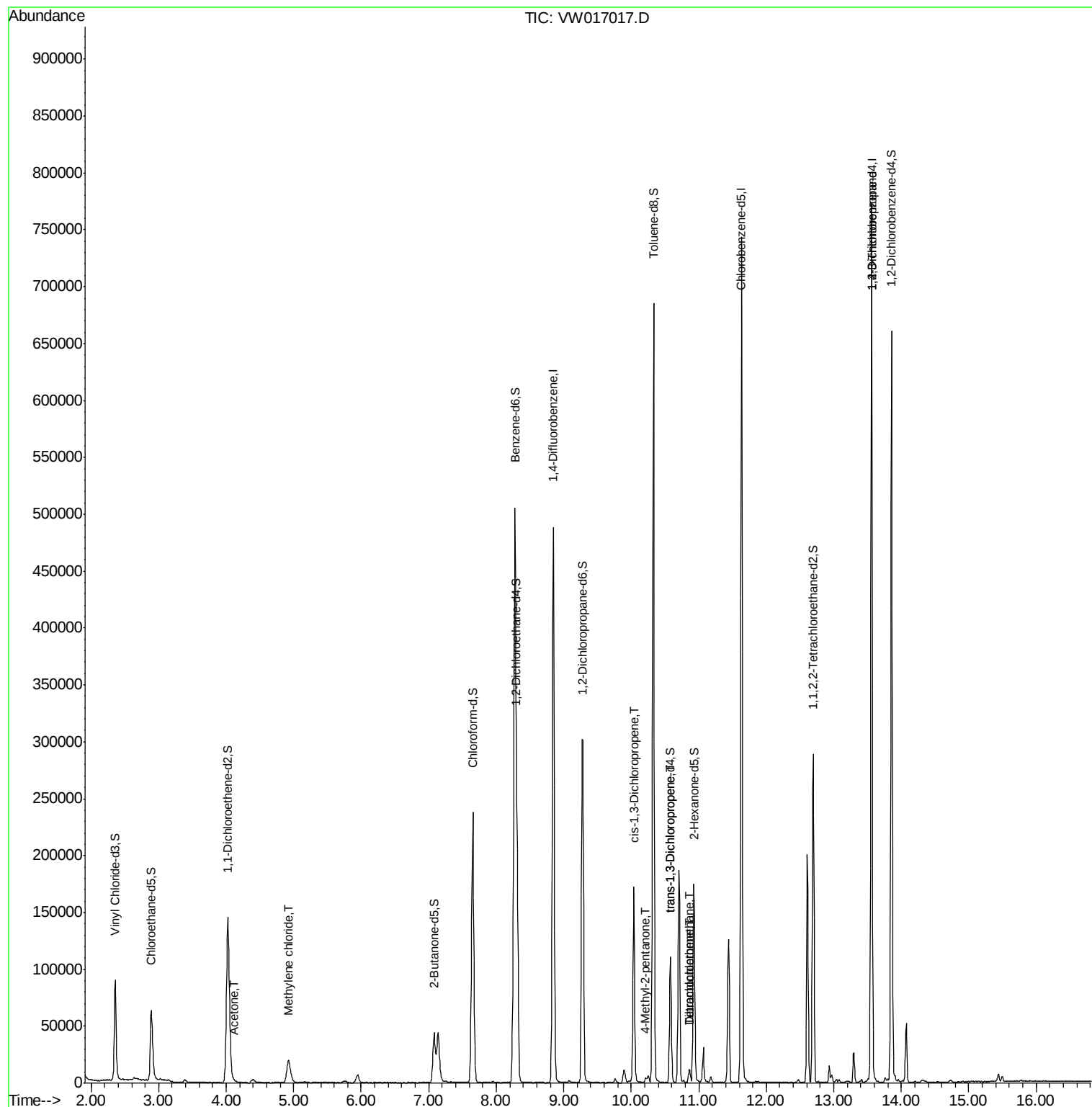
|                               |       |     |       |              | Ovalue |
|-------------------------------|-------|-----|-------|--------------|--------|
| 13) Acetone                   | 4.12  | 43  | 790   | 1.186 ug/L   | 63     |
| 16) Methylene chloride        | 4.93  | 84  | 19829 | 3.294 ug/L   | 93     |
| 42) cis-1,3-Dichloropropene   | 10.04 | 75  | 4482  | 0.521 ug/L   | 85     |
| 43) 4-Methyl-2-pentanone      | 10.21 | 43  | 3492  | 1.340 ug/L   | 89     |
| 45) trans-1,3-Dichloropropene | 10.58 | 75  | 2881  | 0.404 ug/L   | 83     |
| 47) Tetrachloroethene         | 10.87 | 164 | 2444  | 0.390 ug/L   | 95     |
| 50) Dibromochloromethane      | 10.87 | 129 | 2188  | 0.408 ug/L # | 10     |
| 59) 1,2,3-Trichloropropane    | 13.56 | 75  | 22044 | 6.521 ug/L   | 95     |

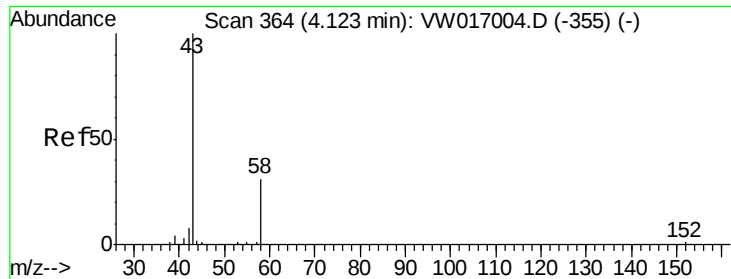
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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ALS Vial : 19 Sample Multiplier: 1

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MSVOA\_W  
ClientSampleId :

Quant Time: Oct 29 08:10:13 2020  
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA\_W\METHOD\SOM2WLM102220S.M  
Quant Title : VOC Analysis  
QLast Update : Thu Oct 29 08:01:00 2020  
Response via : Initial Calibration





#13

Acetone

Concen: 1.186 ug/L

RT: 4.12 min Scan# 364

Delta R.T. 0.00 min

Lab File: VW017017.D

Acq: 28 Oct 2020 18:21

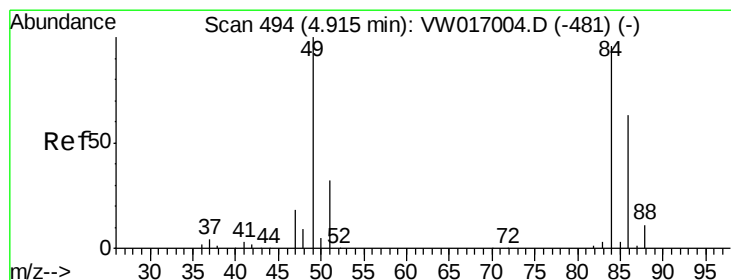
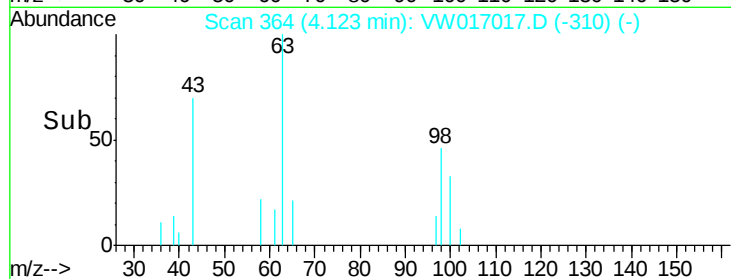
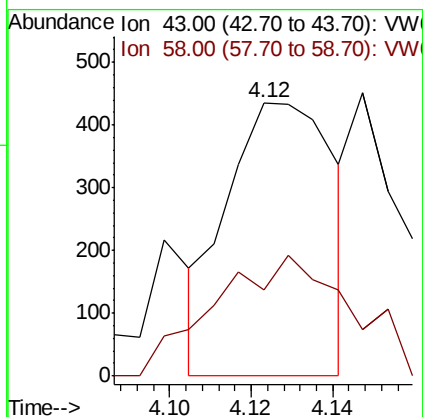
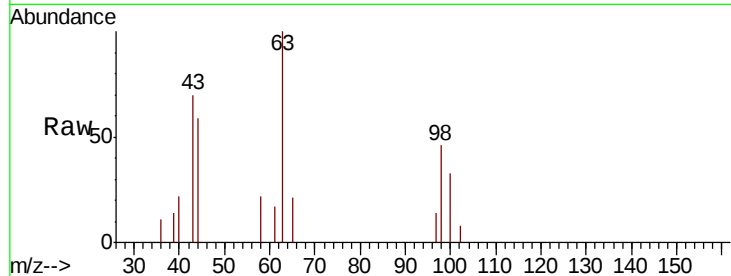
Instrument :  
MSVOA\_W  
ClientSampled :

Tot Ion: 43 Resp: 790

Ion Ratio Lower Upper

43 100

58 56.3 0.0 69.8



#16

Methylene chloride

Concen: 3.294 ug/L

RT: 4.93 min Scan# 496

Delta R.T. 0.01 min

Lab File: VW017017.D

Acq: 28 Oct 2020 18:21

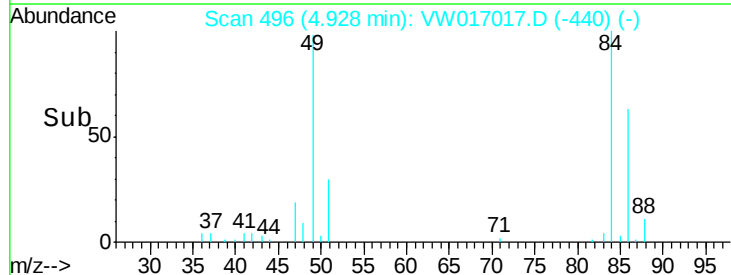
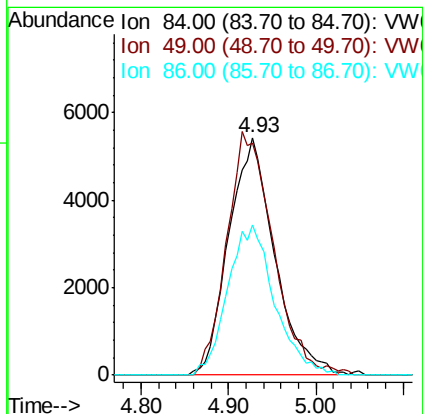
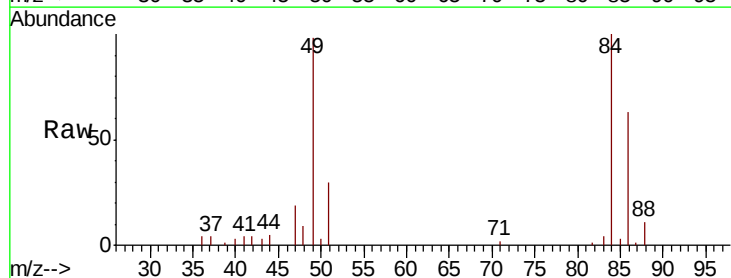
Tgt Ion: 84 Resp: 19829

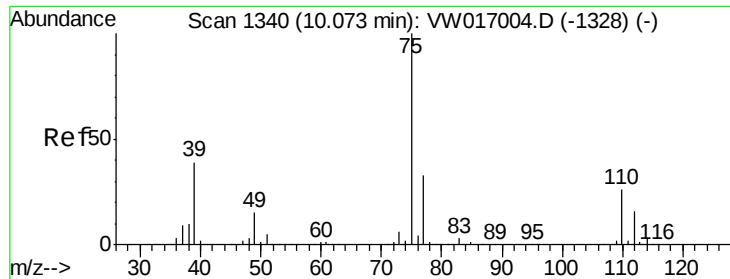
Ion Ratio Lower Upper

84 100

49 97.9 73.8 137.0

86 63.0 47.4 88.0





#42

cis-1,3-Dichloropropene

Concen: 0.521 ug/L

RT: 10.04 min Scan# 1334

Delta R.T. -0.04 min

Lab File: VW017017.D

Acq: 28 Oct 2020 18:21

Instrument :

MSVOA\_W

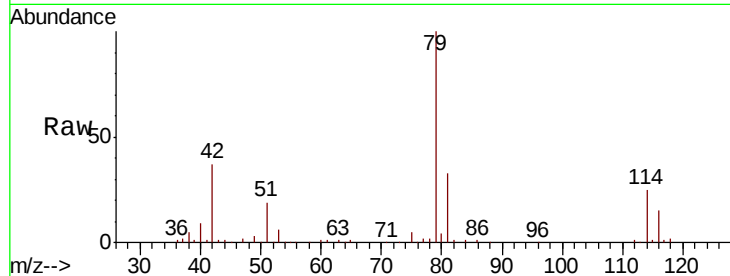
ClientSampleId :

Tot Ion: 75 Resp: 4482

Ion Ratio Lower Upper

75 100

77 40.6 22.7 42.1



Abundance Ion 75.00 (74.70 to 75.70): VW

Ion 77.00 (76.70 to 77.70): VW

3000

2500

2000

1500

1000

500

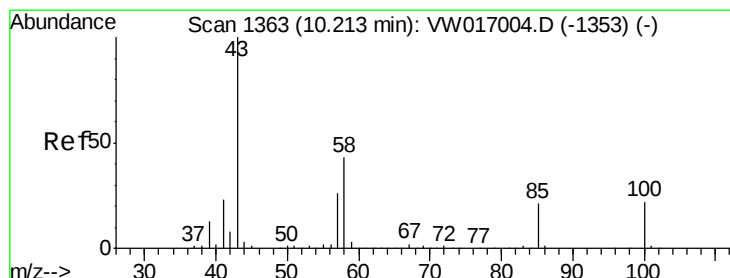
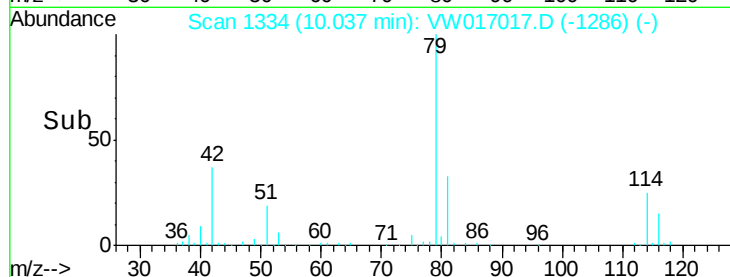
0

10.04

10.05

10.10

Time-->



#43

4-Methyl-2-pentanone

Concen: 1.340 ug/L

RT: 10.21 min Scan# 1362

Delta R.T. -0.01 min

Lab File: VW017017.D

Acq: 28 Oct 2020 18:21

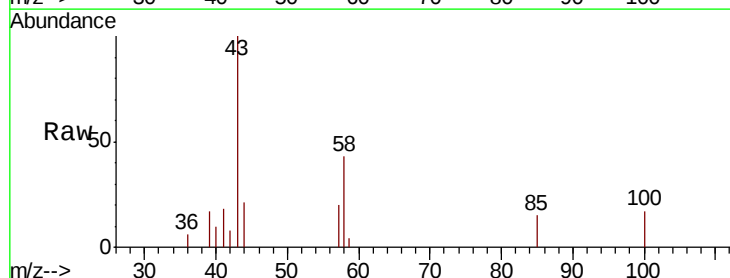
Tgt Ion: 43 Resp: 3492

Ion Ratio Lower Upper

43 100

58 35.2 34.4 51.6

100 16.8 16.2 24.2



Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 58.00 (57.70 to 58.70): VW

Ion 100.00 (99.70 to 100.70): VW

200000

150000

100000

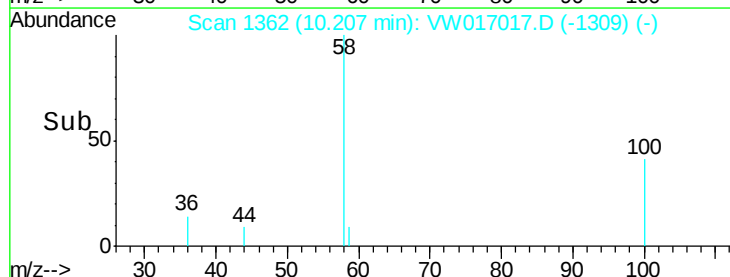
50000

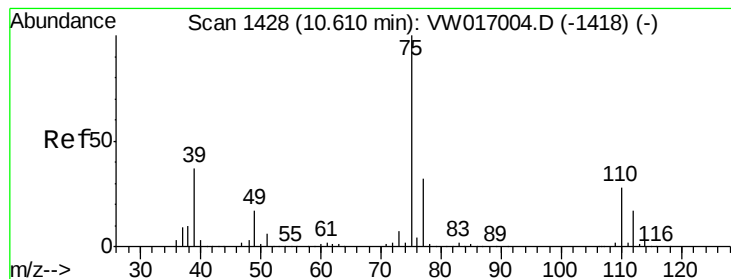
0

10.21

10.30

Time-->





#45

trans-1,3-Dichloropropene

Concen: 0.404 ug/L

RT: 10.58 min Scan# 1423

Delta R.T. -0.03 min

Lab File: VW017017.D

Acq: 28 Oct 2020 18:21

Instrument :

MSVOA\_W

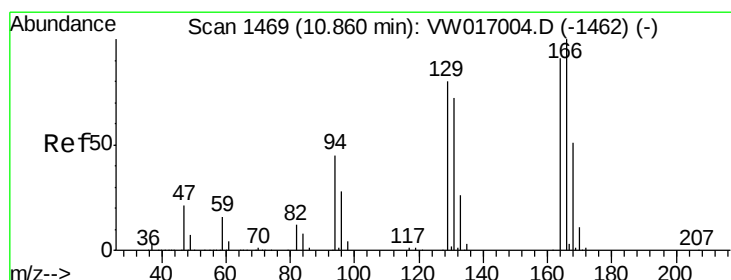
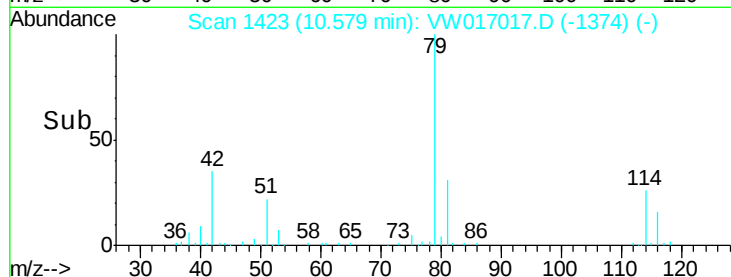
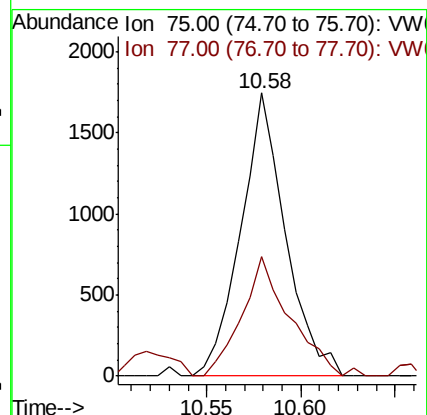
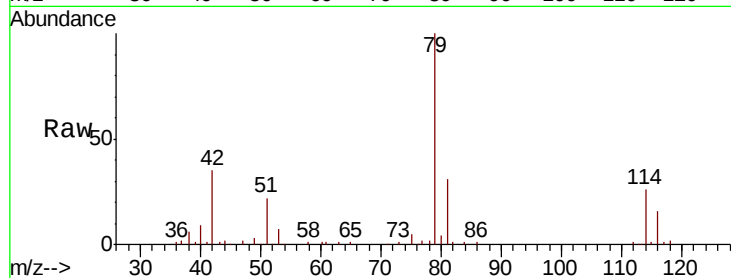
ClientSampleId :

Tot Ion: 75 Resp: 2881

Ion Ratio Lower Upper

75 100

77 42.1 22.7 42.3



#47

Tetrachloroethene

Concen: 0.390 ug/L

RT: 10.87 min Scan# 1470

Delta R.T. 0.01 min

Lab File: VW017017.D

Acq: 28 Oct 2020 18:21

Tgt Ion:164 Resp: 2444

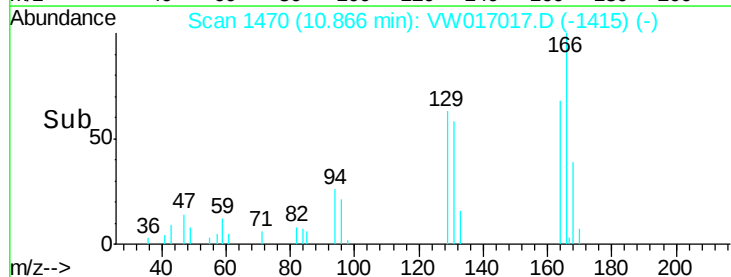
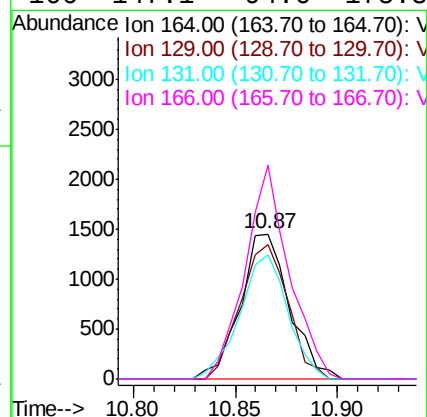
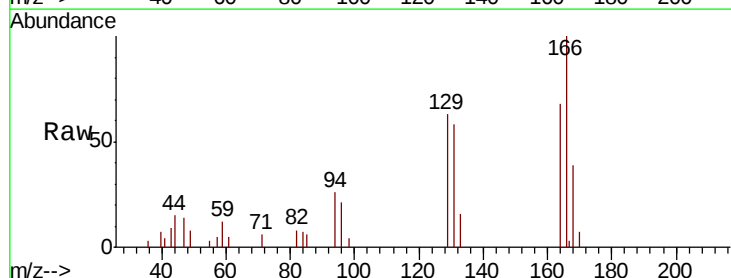
Ion Ratio Lower Upper

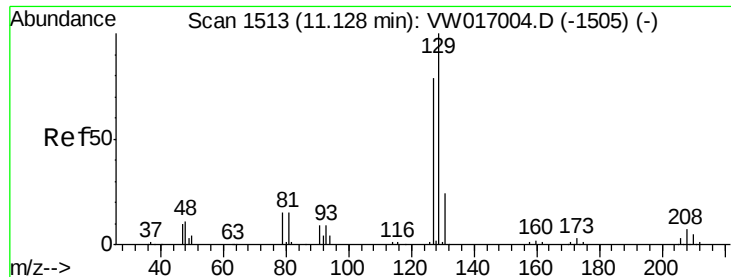
164 100

129 92.8 64.0 119.0

131 85.4 61.7 114.5

166 147.1 94.6 175.8





#50

Dibromochloromethane

Concen: 0.408 ug/L

RT: 10.87 min Scan# 1470

Delta R.T. -0.26 min

Lab File: VW017017.D

Acq: 28 Oct 2020 18:21

Instrument :

MSVOA\_W

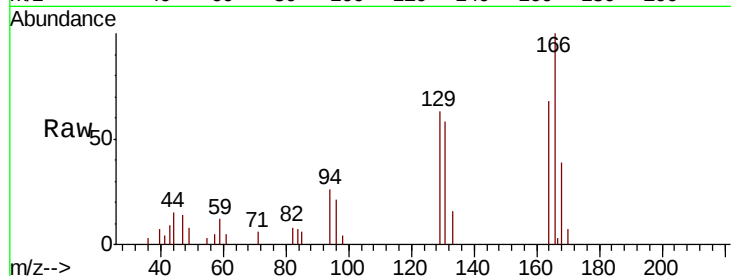
ClientSampleId :

Tot Ion:129 Resp: 2188

Ion Ratio Lower Upper

129 100

127 0.0 55.4 102.8#



Abundance Ion 129.00 (128.70 to 129.70): V

Ion 127.00 (126.70 to 127.70): V

10.87

1500

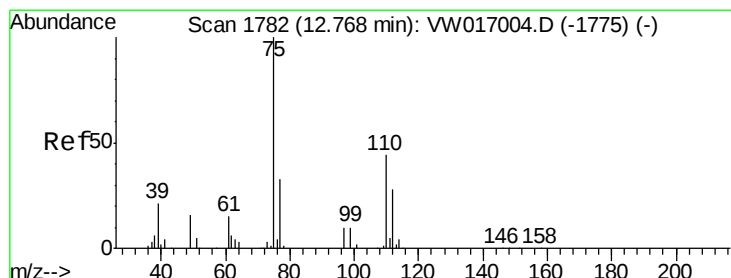
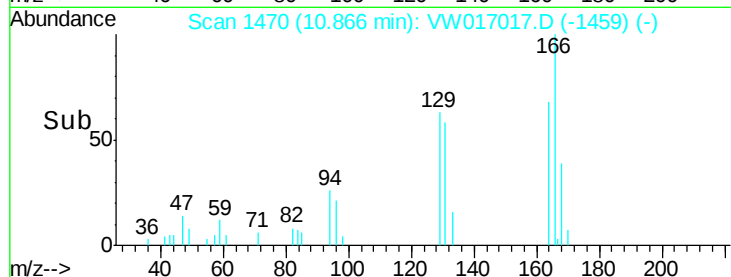
1000

500

0

10.85 10.90

Time-->



#59

1,2,3-Trichloropropane

Concen: 6.521 ug/L

RT: 13.56 min Scan# 1912

Delta R.T. 0.79 min

Lab File: VW017017.D

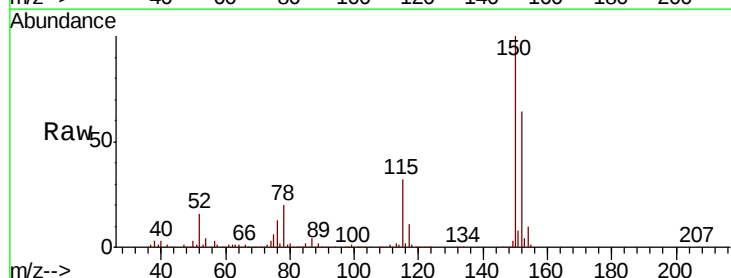
Acq: 28 Oct 2020 18:21

Tgt Ion: 75 Resp: 22044

Ion Ratio Lower Upper

75 100

77 35.2 25.8 38.8



Abundance Ion 75.00 (74.70 to 75.70): VW

Ion 77.00 (76.70 to 77.70): VW

13.56

15000

10000

5000

0

13.50 13.55 13.60

Time-->

