

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW101920\  
 Data File : VW016940.D  
 Acq On : 19 Oct 2020 13:01  
 Operator : SY/VA  
 Sample : VIBLK  
 Misc : 5.00G/10ML/MSVOA W/SOIL  
 ALS Vial : 6 Sample Multiplier: 1

Instrument :  
 MSVOA\_W  
 ClientSampleId :  
 VIBLK32

Quant Time: Oct 20 08:49:46 2020  
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_W\METHOD\SOM2WLM100720S.M  
 Quant Title : VOC Analysis  
 QLast Update : Tue Oct 20 08:48:34 2020  
 Response via : Initial Calibration

| Internal Standards         | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|----------------------------|-------|------|----------|-------|-------|----------|
| 1) 1,4-Difluorobenzene     | 8.84  | 114  | 452359   | 25.00 | ug/L  | 0.00     |
| 28) Chlorobenzene-d5       | 11.63 | 117  | 414780   | 25.00 | ug/L  | 0.00     |
| 60) 1,4-Dichlorobenzene-d4 | 13.56 | 152  | 201991   | 25.00 | ug/L  | 0.00     |

## System Monitoring Compounds

|                                |        |       |          |          |      |          |
|--------------------------------|--------|-------|----------|----------|------|----------|
| 4) Vinyl Chloride-d3           | 2.35   | 65    | 93805    | 21.02    | ug/L | 0.00     |
| Spiked Amount                  | 25.000 | Range | 30 - 150 | Recovery | =    | 84.08%   |
| 7) Chloroethane-d5             | 2.89   | 69    | 81745    | 21.84    | ug/L | 0.00     |
| Spiked Amount                  | 25.000 | Range | 30 - 150 | Recovery | =    | 87.36%   |
| 10) 1,1-Dichloroethene-d2      | 4.02   | 63    | 151505   | 15.99    | ug/L | -0.01    |
| Spiked Amount                  | 25.000 | Range | 45 - 110 | Recovery | =    | 63.96%   |
| 20) 2-Butanone-d5              | 7.08   | 46    | 65227    | 64.53    | ug/L | 0.00     |
| Spiked Amount                  | 50.000 | Range | 20 - 135 | Recovery | =    | 129.06%  |
| 24) Chloroform-d               | 7.65   | 84    | 236796   | 24.81    | ug/L | 0.00     |
| Spiked Amount                  | 25.000 | Range | 40 - 150 | Recovery | =    | 99.24%   |
| 26) 1,2-Dichloroethane-d4      | 8.31   | 65    | 122002   | 26.46    | ug/L | 0.00     |
| Spiked Amount                  | 25.000 | Range | 70 - 130 | Recovery | =    | 105.84%  |
| 29) Benzene-d6                 | 8.27   | 84    | 464011   | 24.63    | ug/L | 0.00     |
| Spiked Amount                  | 25.000 | Range | 20 - 135 | Recovery | =    | 98.52%   |
| 33) 1,2-Dichloropropane-d6     | 9.27   | 67    | 133184   | 26.31    | ug/L | 0.00     |
| Spiked Amount                  | 25.000 | Range | 70 - 120 | Recovery | =    | 105.24%  |
| 37) Toluene-d8                 | 10.32  | 98    | 431009   | 24.25    | ug/L | 0.00     |
| Spiked Amount                  | 25.000 | Range | 30 - 130 | Recovery | =    | 97.00%   |
| 38) trans-1,3-Dichloropropene- | 10.58  | 79    | 56539    | 25.32    | ug/L | 0.00     |
| Spiked Amount                  | 25.000 | Range | 30 - 135 | Recovery | =    | 101.28%  |
| 39) 2-Hexanone-d5              | 10.93  | 63    | 52166    | 66.63    | ug/L | 0.00     |
| Spiked Amount                  | 50.000 | Range | 20 - 135 | Recovery | =    | 133.26%  |
| 48) 1,1,2,2-Tetrachloroethane- | 12.69  | 84    | 123060   | 30.09    | ug/L | 0.00     |
| Spiked Amount                  | 25.000 | Range | 45 - 120 | Recovery | =    | 120.36%# |
| 61) 1,2-Dichlorobenzene-d4     | 13.85  | 152   | 167798   | 26.19    | ug/L | 0.00     |
| Spiked Amount                  | 25.000 | Range | 75 - 120 | Recovery | =    | 104.76%  |

## Target Compounds

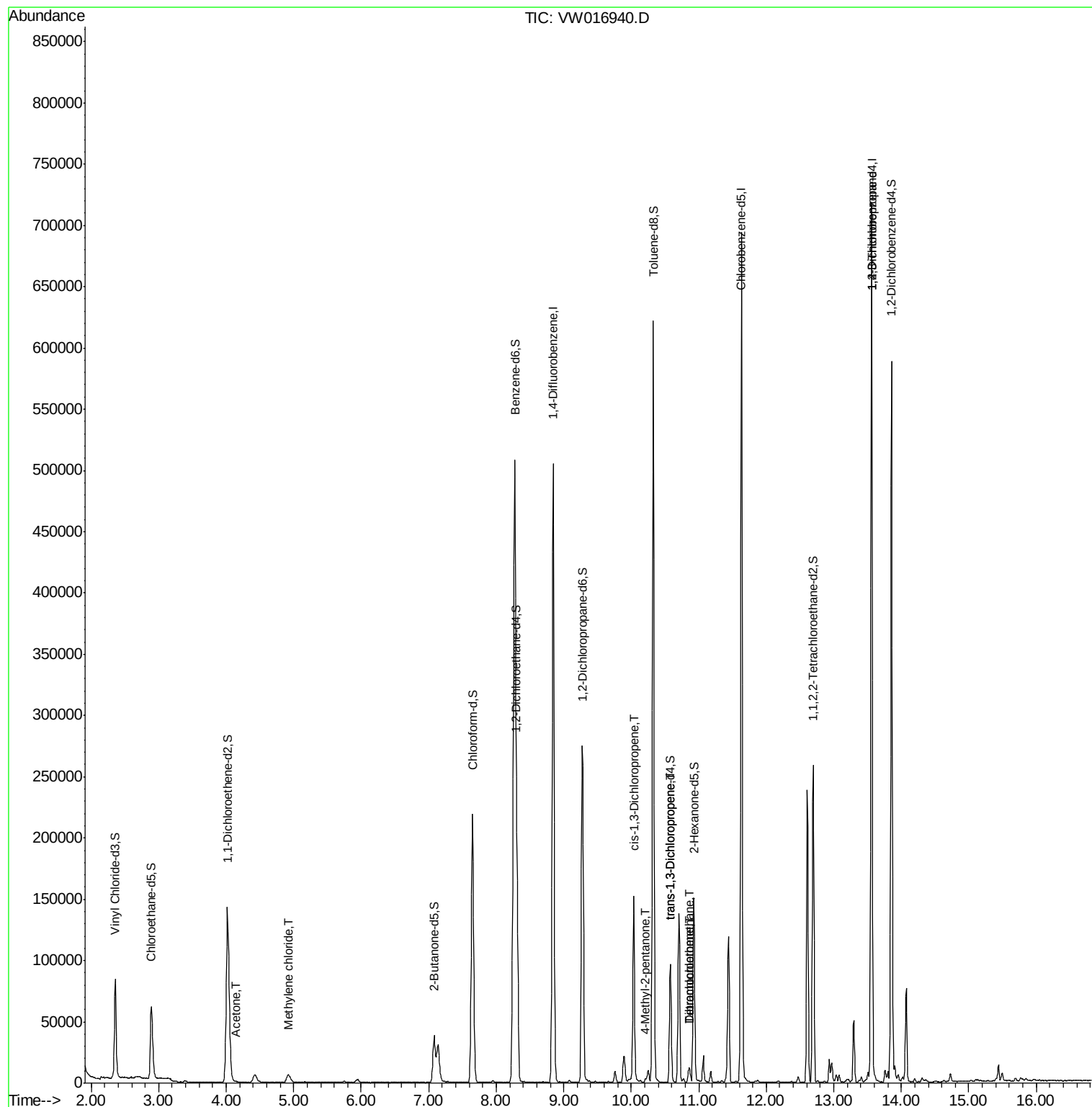
| Target Compounds              | R.T.  | QIon | Response | Conc  | Units  | Ovalue |
|-------------------------------|-------|------|----------|-------|--------|--------|
| 13) Acetone                   | 4.14  | 43   | 958      | 1.252 | ug/L   | 56     |
| 16) Methylene chloride        | 4.92  | 84   | 6270     | 1.004 | ug/L   | 94     |
| 42) cis-1,3-Dichloropropene   | 10.04 | 75   | 4104     | 0.511 | ug/L # | 65     |
| 43) 4-Methyl-2-pentanone      | 10.21 | 43   | 2341     | 0.923 | ug/L # | 84     |
| 45) trans-1,3-Dichloropropene | 10.58 | 75   | 2559     | 0.379 | ug/L   | 91     |
| 47) Tetrachloroethene         | 10.87 | 164  | 2421     | 0.414 | ug/L   | 89     |
| 50) Dibromochloromethane      | 10.87 | 129  | 2141     | 0.421 | ug/L # | 11     |
| 59) 1,2,3-Trichloropropane    | 13.55 | 75   | 20534    | 6.264 | ug/L   | 90     |

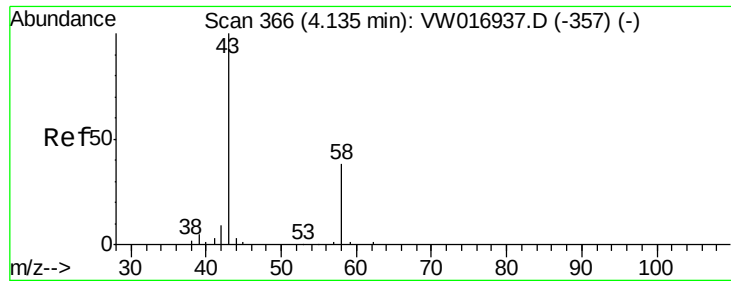
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : VOC Analysis  
QLast Update : Tue Oct 20 08:48:34 2020  
Response via : Initial Calibration

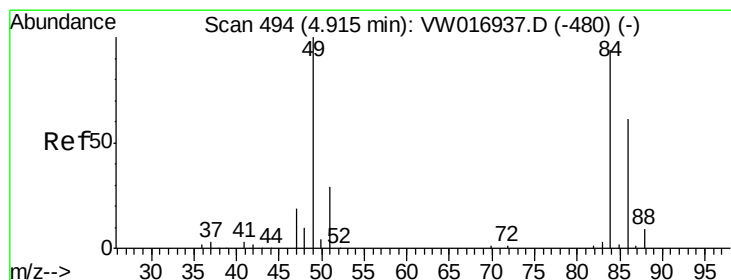
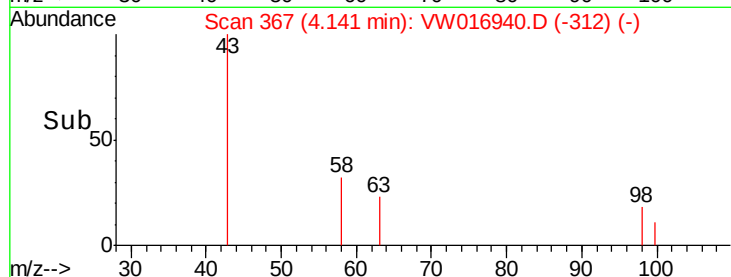
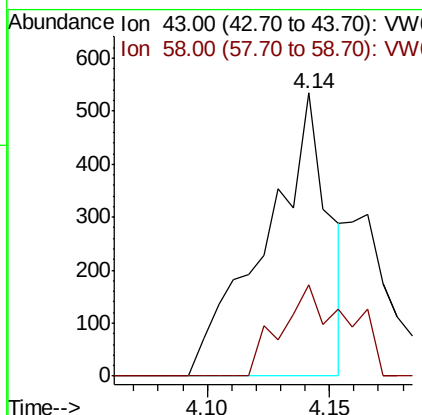
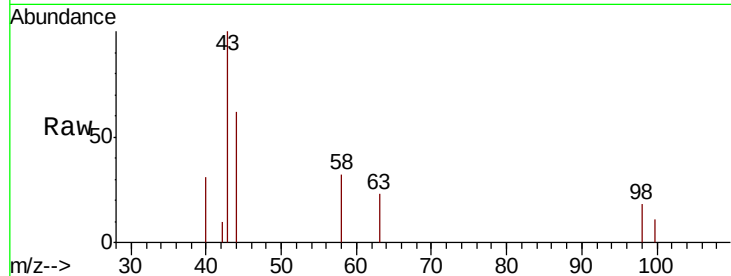




#13  
Acetone  
Concen: 1.252 ug/L  
RT: 4.14 min Scan# 367  
Delta R.T. 0.01 min  
Lab File: VW016940.D  
Acq: 19 Oct 2020 13:01

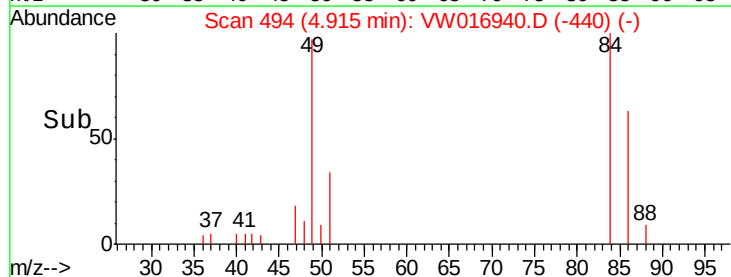
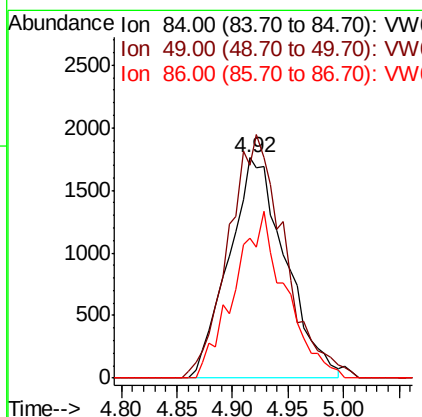
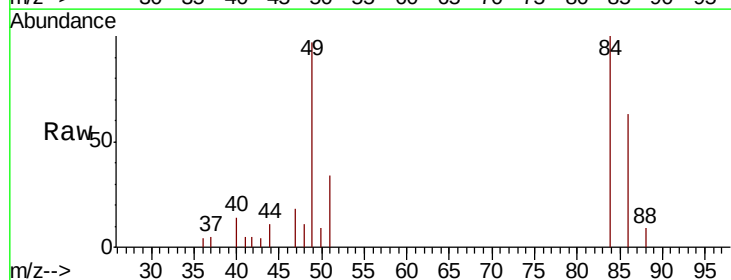
Instrument :  
MSVOA\_W  
ClientSampled :  
VIBLK32

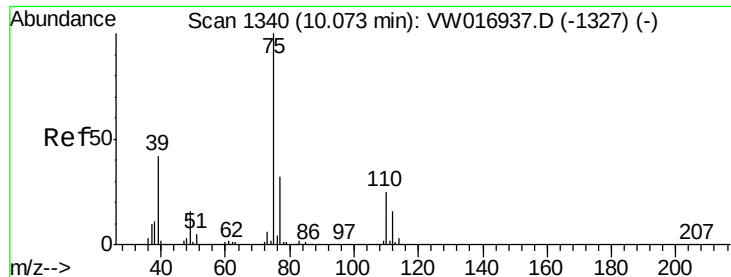
Tot Ion: 43 Resp: 958  
Ion Ratio Lower Upper  
43 100  
58 8.7 0.0 67.6



#16  
Methylene chloride  
Concen: 1.004 ug/L  
RT: 4.92 min Scan# 494  
Delta R.T. 0.00 min  
Lab File: VW016940.D  
Acq: 19 Oct 2020 13:01

Tgt Ion: 84 Resp: 6270  
Ion Ratio Lower Upper  
84 100  
49 96.8 73.1 135.8  
86 63.4 46.0 85.4





#42

cis-1,3-Dichloropropene

Concen: 0.511 ug/L

RT: 10.04 min Scan# 1334

Delta R.T. -0.04 min

Lab File: VW016940.D

Acq: 19 Oct 2020 13:01

Instrument :

MSVOA\_W

ClientSampled :

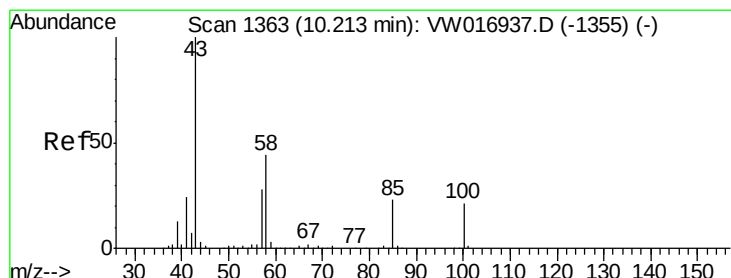
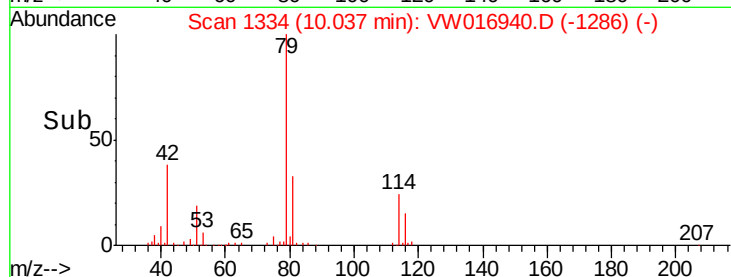
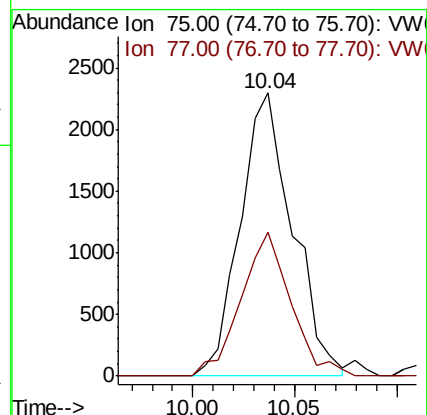
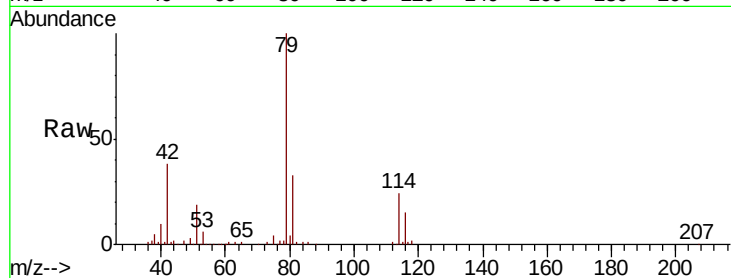
VIBLK32

Tot Ion: 75 Resp: 4104

Ion Ratio Lower Upper

75 100

77 51.0 22.1 41.1#



#43

4-Methyl-2-pentanone

Concen: 0.923 ug/L

RT: 10.21 min Scan# 1363

Delta R.T. 0.00 min

Lab File: VW016940.D

Acq: 19 Oct 2020 13:01

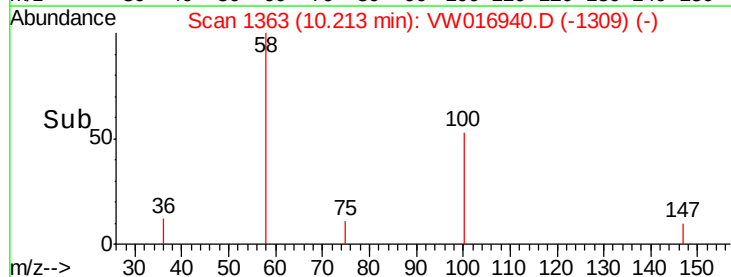
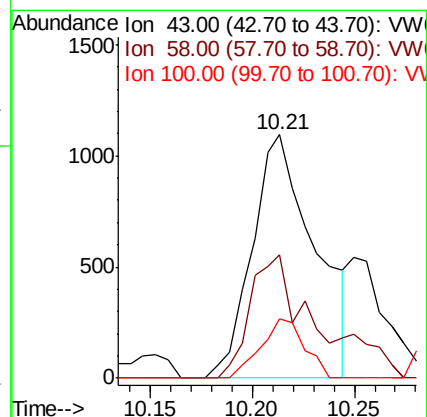
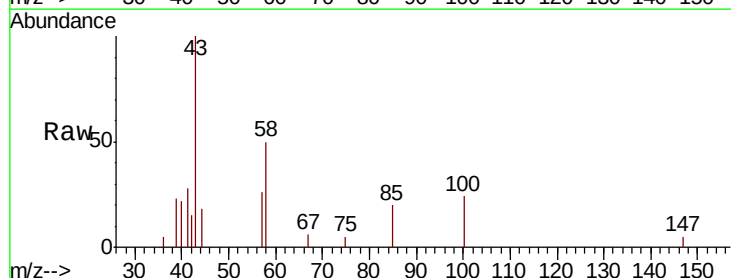
Tgt Ion: 43 Resp: 2341

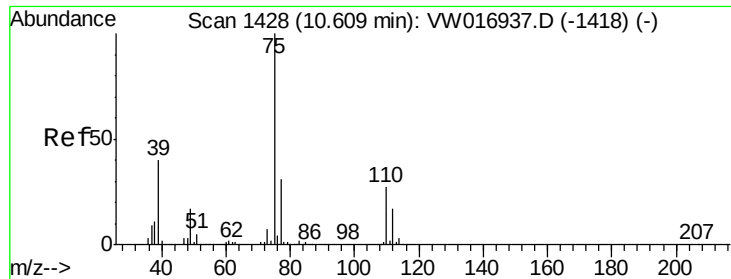
Ion Ratio Lower Upper

43 100

58 31.0 34.7 52.1#

100 16.8 16.9 25.3#





#45

trans-1,3-Dichloropropene

Concen: 0.379 ug/L

RT: 10.58 min Scan# 1423

Delta R.T. -0.03 min

Lab File: VW016940.D

Acq: 19 Oct 2020 13:01

Instrument :

MSVOA\_W

ClientSampleId :

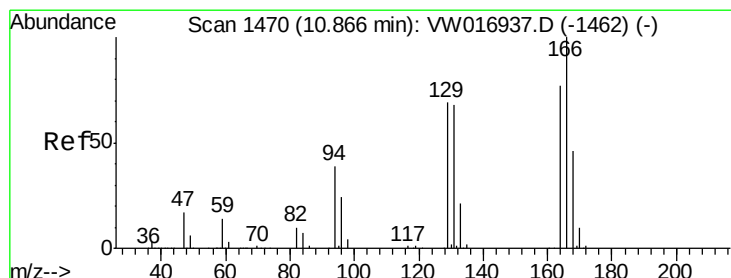
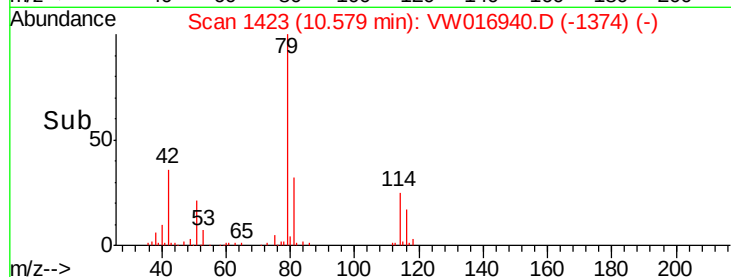
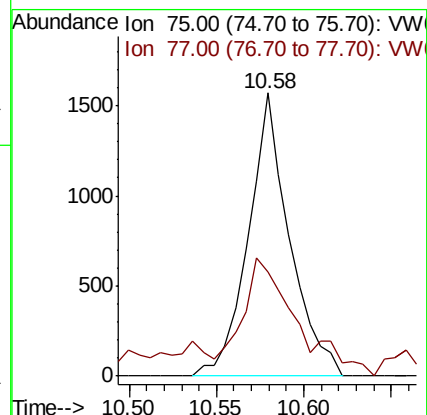
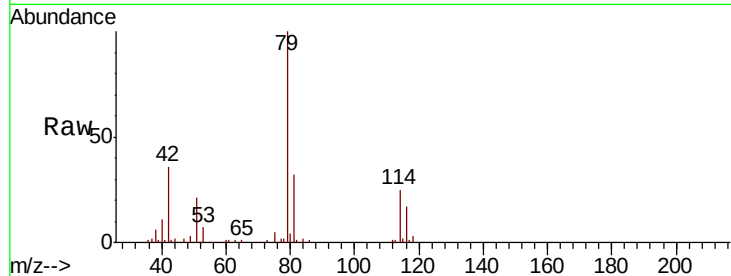
VIBLK32

Tot Ion: 75 Resp: 2559

Ion Ratio Lower Upper

75 100

77 36.8 22.2 41.2



#47

Tetrachloroethene

Concen: 0.414 ug/L

RT: 10.87 min Scan# 1470

Delta R.T. 0.00 min

Lab File: VW016940.D

Acq: 19 Oct 2020 13:01

Tgt Ion: 164 Resp: 2421

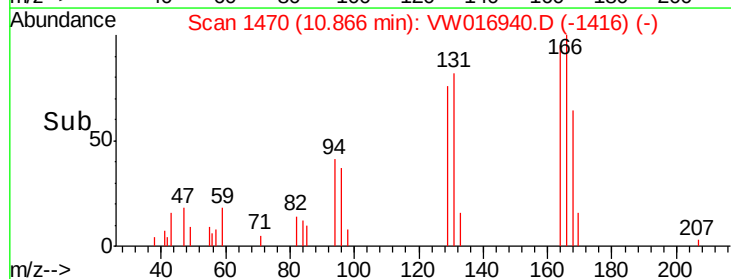
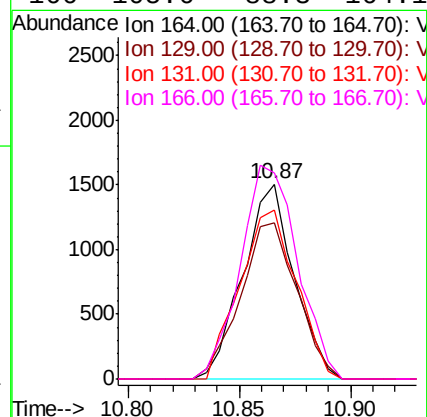
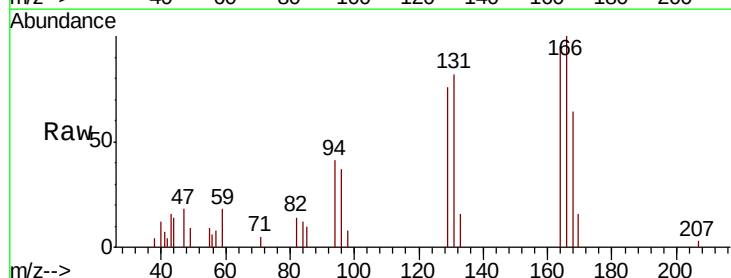
Ion Ratio Lower Upper

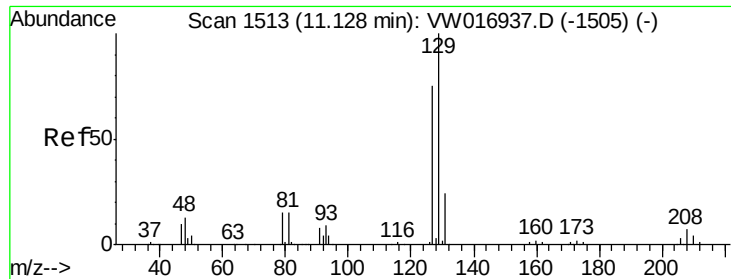
164 100

129 80.1 61.7 114.7

131 86.7 59.7 110.9

166 105.6 88.3 164.1





#50

Dibromochloromethane

Concen: 0.421 ug/L

RT: 10.87 min Scan# 1470

Delta R.T. -0.26 min

Lab File: VW016940.D

Acq: 19 Oct 2020 13:01

Instrument :

MSVOA\_W

ClientSampleId :

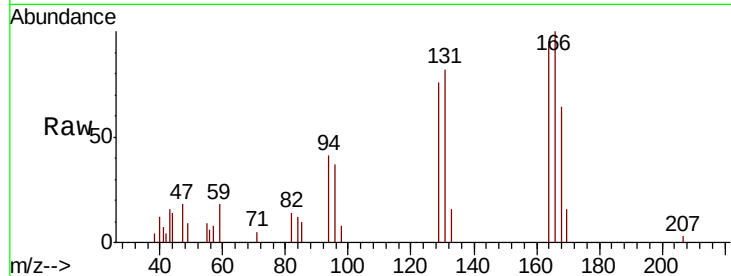
VIBLK32

Tot Ion:129 Resp: 2141

Ion Ratio Lower Upper

129 100

127 0.0 54.0 100.4#



Abundance Ion 129.00 (128.70 to 129.70): V

Ion 127.00 (126.70 to 127.70): V

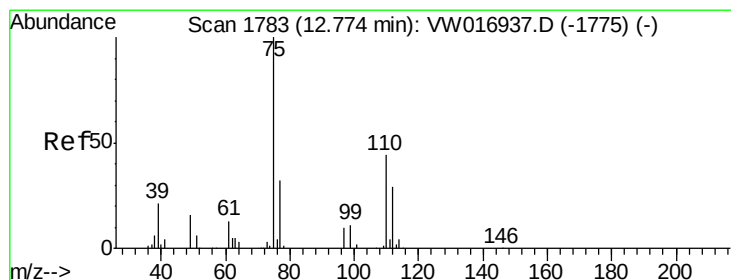
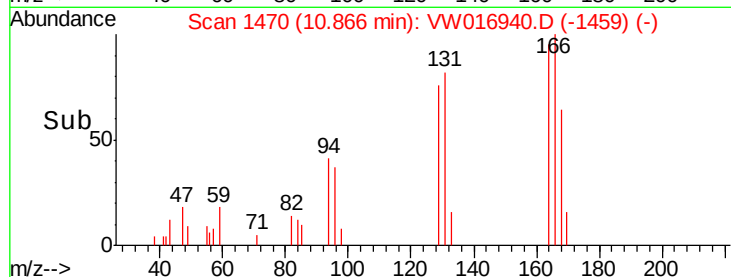
10.87

1000

500

0

Time--> 10.80 10.85 10.90



#59

1,2,3-Trichloropropane

Concen: 6.264 ug/L

RT: 13.55 min Scan# 1911

Delta R.T. 0.78 min

Lab File: VW016940.D

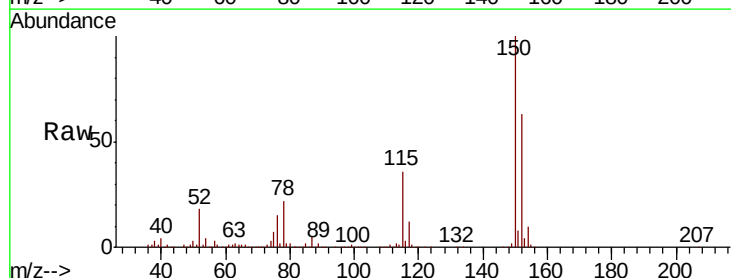
Acq: 19 Oct 2020 13:01

Tgt Ion: 75 Resp: 20534

Ion Ratio Lower Upper

75 100

77 38.6 26.2 39.2



Abundance Ion 75.00 (74.70 to 75.70): VW

Ion 77.00 (76.70 to 77.70): VW

13.55

10000

5000

0

Time--> 13.50 13.55 13.60

