

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW011521\  
 Data File : VW017902.D  
 Acq On : 15 Jan 2021 16:59  
 Operator : SY/VA  
 Sample : VIBLK  
 Misc : 5.00G/10ML/MSVOA W/SOIL  
 ALS Vial : 1 Sample Multiplier: 1

Instrument :  
 MSVOA\_W  
 ClientSampleId :

Quant Time: Jan 18 02:09:34 2021  
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_W\METHOD\SOM2WLM122420S.M  
 Quant Title : VOC Analysis  
 QLast Update : Mon Jan 18 02:07:49 2021  
 Response via : Initial Calibration

| Internal Standards         | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|----------------------------|-------|------|----------|-------|-------|----------|
| 1) 1,4-Difluorobenzene     | 8.84  | 114  | 318479   | 25.00 | ug/L  | 0.00     |
| 28) Chlorobenzene-d5       | 11.63 | 117  | 297236   | 25.00 | ug/L  | 0.00     |
| 60) 1,4-Dichlorobenzene-d4 | 13.56 | 152  | 141455   | 25.00 | ug/L  | 0.00     |

## System Monitoring Compounds

|                                |        |       |          |          |      |         |
|--------------------------------|--------|-------|----------|----------|------|---------|
| 4) Vinyl Chloride-d3           | 2.35   | 65    | 96144    | 19.51    | ug/L | 0.00    |
| Spiked Amount                  | 25.000 | Range | 30 - 150 | Recovery | =    | 78.04%  |
| 7) Chloroethane-d5             | 2.89   | 69    | 85159    | 20.94    | ug/L | 0.00    |
| Spiked Amount                  | 25.000 | Range | 30 - 150 | Recovery | =    | 83.76%  |
| 10) 1,1-Dichloroethene-d2      | 4.02   | 63    | 134604   | 15.68    | ug/L | 0.00    |
| Spiked Amount                  | 25.000 | Range | 45 - 110 | Recovery | =    | 62.72%  |
| 20) 2-Butanone-d5              | 7.08   | 46    | 48260    | 60.43    | ug/L | 0.00    |
| Spiked Amount                  | 50.000 | Range | 20 - 135 | Recovery | =    | 120.86% |
| 24) Chloroform-d               | 7.65   | 84    | 194672   | 23.39    | ug/L | 0.00    |
| Spiked Amount                  | 25.000 | Range | 40 - 150 | Recovery | =    | 93.56%  |
| 26) 1,2-Dichloroethane-d4      | 8.30   | 65    | 110074   | 25.55    | ug/L | 0.00    |
| Spiked Amount                  | 25.000 | Range | 70 - 130 | Recovery | =    | 102.20% |
| 29) Benzene-d6                 | 8.27   | 84    | 371551   | 22.19    | ug/L | 0.00    |
| Spiked Amount                  | 25.000 | Range | 20 - 135 | Recovery | =    | 88.76%  |
| 33) 1,2-Dichloropropane-d6     | 9.27   | 67    | 108760   | 23.57    | ug/L | 0.00    |
| Spiked Amount                  | 25.000 | Range | 70 - 120 | Recovery | =    | 94.28%  |
| 37) Toluene-d8                 | 10.32  | 98    | 342672   | 21.31    | ug/L | 0.00    |
| Spiked Amount                  | 25.000 | Range | 30 - 130 | Recovery | =    | 85.24%  |
| 38) trans-1,3-Dichloropropene- | 10.58  | 79    | 40829    | 19.85    | ug/L | 0.00    |
| Spiked Amount                  | 25.000 | Range | 30 - 135 | Recovery | =    | 79.40%  |
| 39) 2-Hexanone-d5              | 10.93  | 63    | 32040    | 55.28    | ug/L | 0.00    |
| Spiked Amount                  | 50.000 | Range | 20 - 135 | Recovery | =    | 110.56% |
| 48) 1,1,2,2-Tetrachloroethane- | 12.69  | 84    | 87944    | 25.67    | ug/L | 0.00    |
| Spiked Amount                  | 25.000 | Range | 45 - 120 | Recovery | =    | 102.68% |
| 61) 1,2-Dichlorobenzene-d4     | 13.85  | 152   | 112098   | 22.76    | ug/L | 0.00    |
| Spiked Amount                  | 25.000 | Range | 75 - 120 | Recovery | =    | 91.04%  |

## Target Compounds

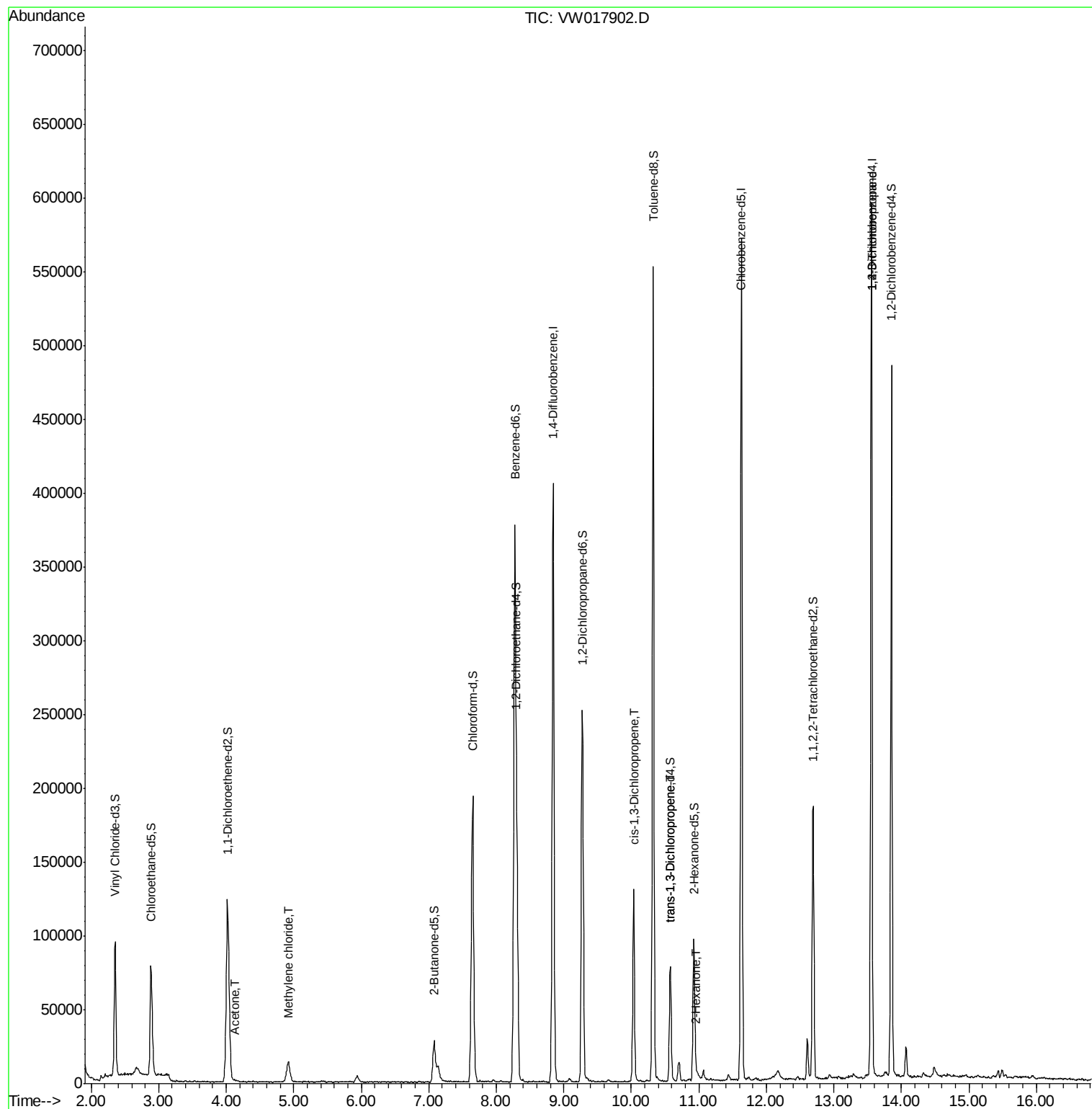
|                               |       |    |       |              | Ovalue |
|-------------------------------|-------|----|-------|--------------|--------|
| 13) Acetone                   | 4.13  | 43 | 632   | 0.916 ug/L   | 77     |
| 16) Methylene chloride        | 4.91  | 84 | 11198 | 2.459 ug/L # | 91     |
| 42) cis-1,3-Dichloropropene   | 10.03 | 75 | 3950  | 0.617 ug/L # | 60     |
| 45) trans-1,3-Dichloropropene | 10.57 | 75 | 2565  | 0.470 ug/L   | 96     |
| 49) 2-Hexanone                | 10.97 | 43 | 1000  | 0.723 ug/L # | 86     |
| 59) 1,2,3-Trichloropropane    | 13.56 | 75 | 21624 | 8.838 ug/L   | 92     |

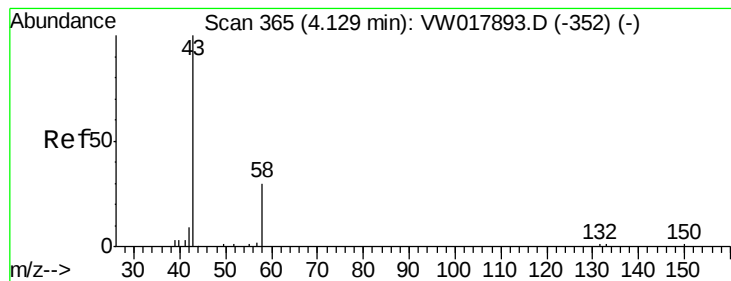
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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ALS Vial : 1 Sample Multiplier: 1

Instrument :  
MSVOA\_W  
ClientSampleId :

Quant Time: Jan 18 02:09:34 2021  
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA\_W\METHOD\SOM2WLM122420S.M  
Quant Title : VOC Analysis  
QLast Update : Mon Jan 18 02:07:49 2021  
Response via : Initial Calibration





#13

Acetone

Concen: 0.916 ug/L

RT: 4.13 min Scan# 365

Delta R.T. -0.00 min

Lab File: VW017902.D

Acq: 15 Jan 2021 16:59

Instrument :

MSVOA\_W

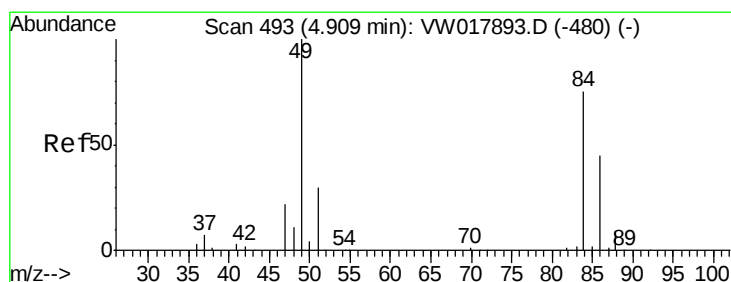
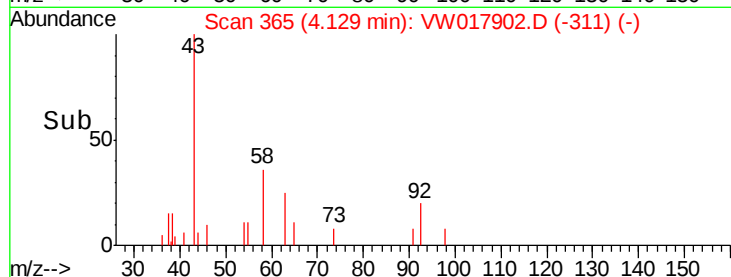
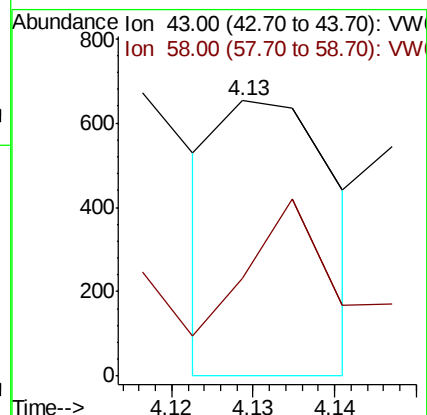
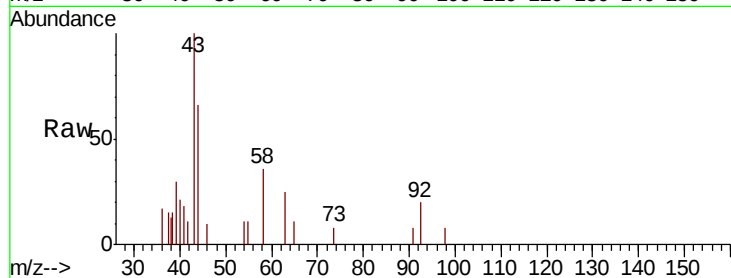
ClientSampleId :

Tot Ion: 43 Resp: 632

Ion Ratio Lower Upper

43 100

58 47.5 0.0 68.4



#16

Methylene chloride

Concen: 2.459 ug/L

RT: 4.91 min Scan# 493

Delta R.T. -0.00 min

Lab File: VW017902.D

Acq: 15 Jan 2021 16:59

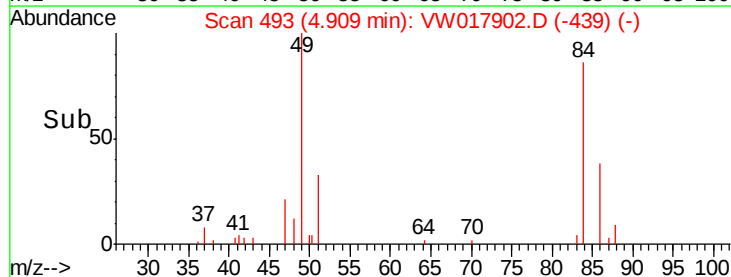
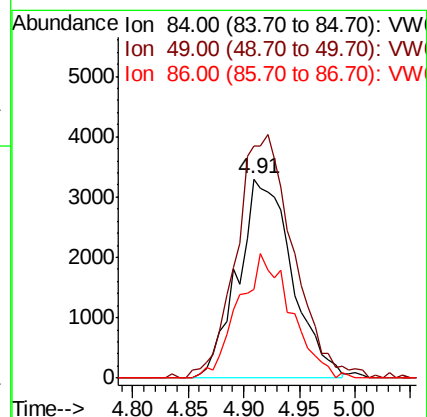
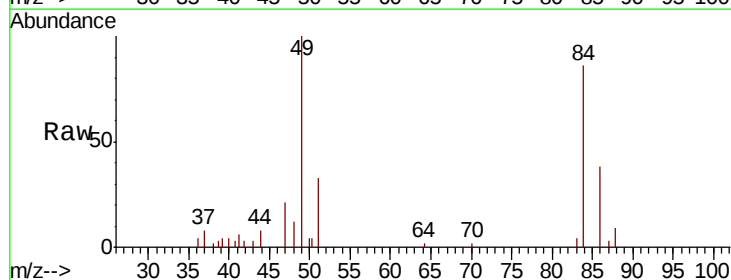
Tgt Ion: 84 Resp: 11198

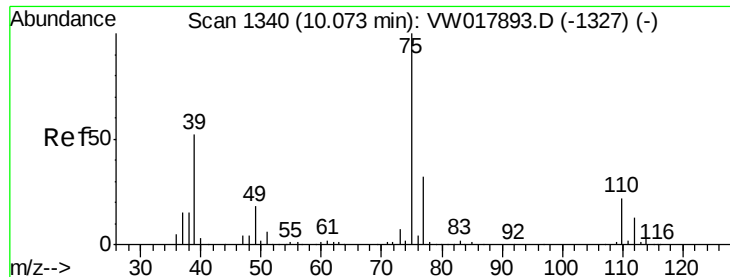
Ion Ratio Lower Upper

84 100

49 116.4 81.2 150.8

86 44.5 44.5 82.7#





#42

cis-1,3-Dichloropropene

Concen: 0.617 ug/L

RT: 10.03 min Scan# 1333

Delta R.T. -0.04 min

Lab File: VW017902.D

Acq: 15 Jan 2021 16:59

Instrument :

MSVOA\_W

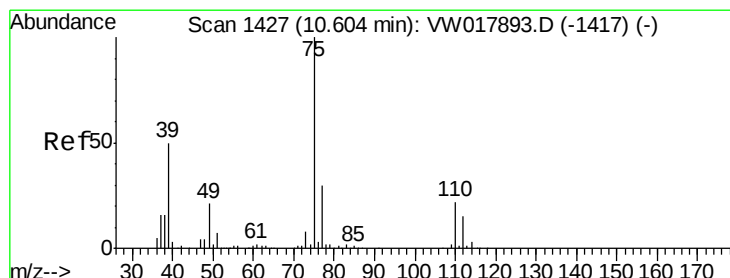
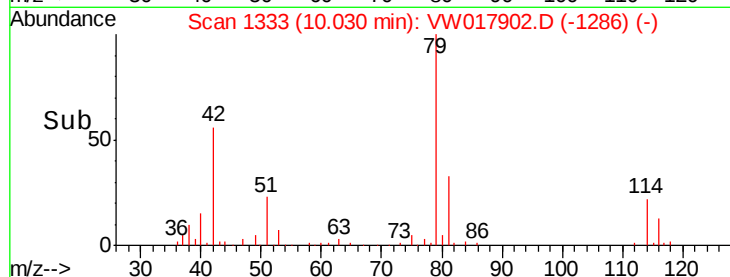
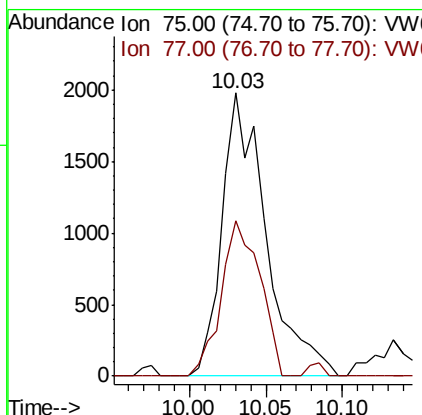
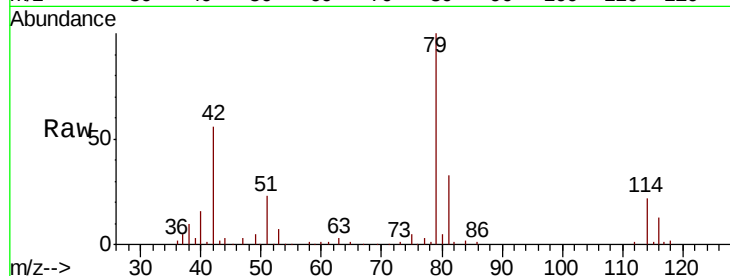
ClientSampled :

Tot Ion: 75 Resp: 3950

Ion Ratio Lower Upper

75 100

77 55.1 22.7 42.3#



#45

trans-1,3-Dichloropropene

Concen: 0.470 ug/L

RT: 10.57 min Scan# 1422

Delta R.T. -0.03 min

Lab File: VW017902.D

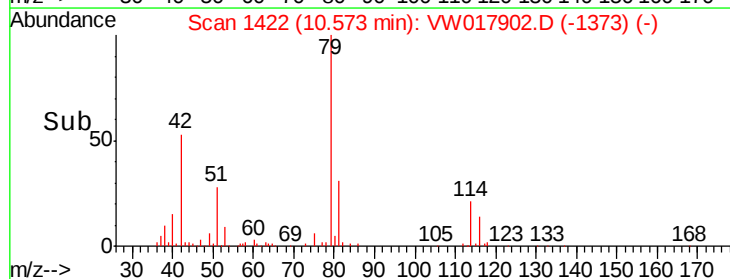
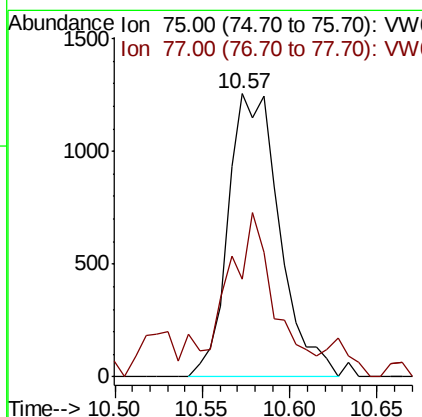
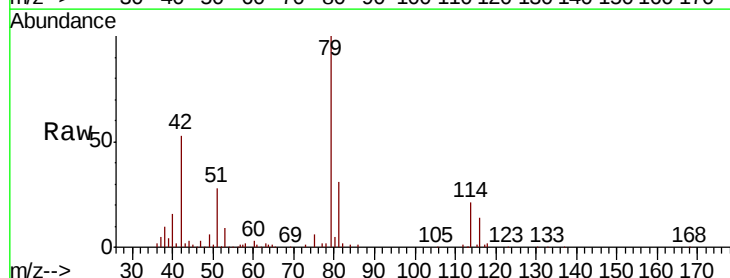
Acq: 15 Jan 2021 16:59

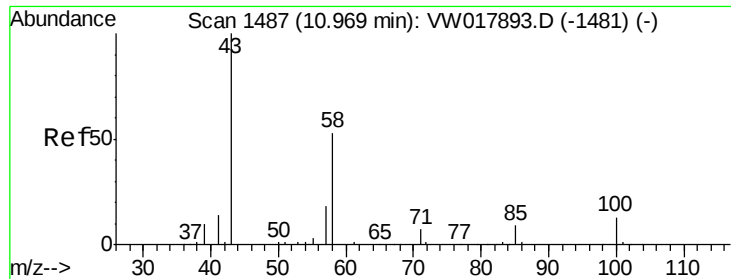
Tgt Ion: 75 Resp: 2565

Ion Ratio Lower Upper

75 100

77 34.5 22.6 42.0





#49

2-Hexanone

Concen: 0.723 ug/L

RT: 10.97 min Scan# 1487

Delta R.T. -0.00 min

Lab File: VW017902.D

Acq: 15 Jan 2021 16:59

Instrument :

MSVOA\_W

ClientSampleId :

Tot Ion: 43 Resp: 1000

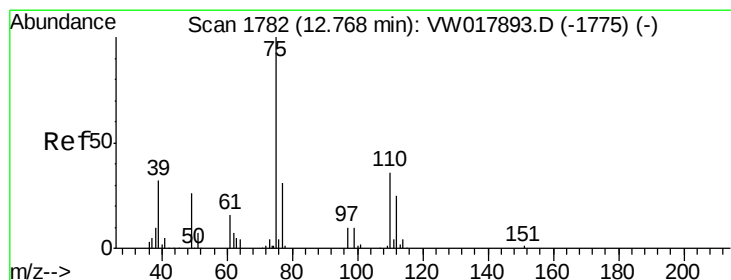
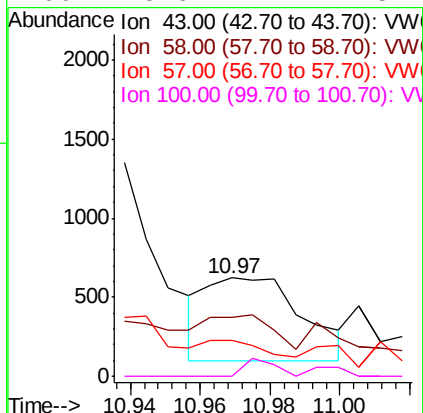
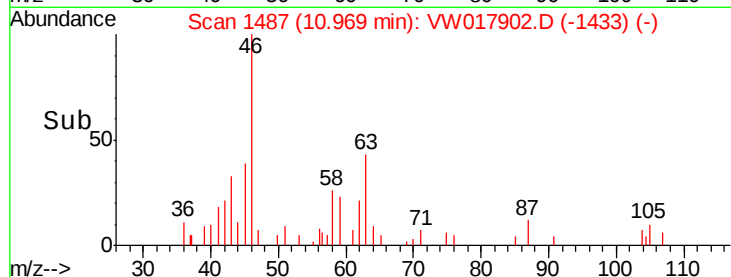
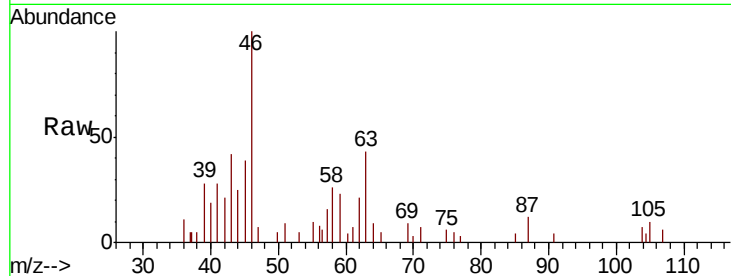
Ion Ratio Lower Upper

43 100

58 58.5 51.3 76.9

57 33.4 15.0 22.6#

100 6.6 12.2 18.2#



#59

1,2,3-Trichloropropane

Concen: 8.838 ug/L

RT: 13.56 min Scan# 1912

Delta R.T. 0.79 min

Lab File: VW017902.D

Acq: 15 Jan 2021 16:59

Tgt Ion: 75 Resp: 21624

Ion Ratio Lower Upper

75 100

77 37.5 26.6 39.8

