

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW062920\  
 Data File : VW015769.D  
 Acq On : 29 Jun 2020 18:21  
 Operator : SY/VA  
 Sample : VIBLK  
 Misc : 5.00G/10ML/MSVOA W/SOIL  
 ALS Vial : 1 Sample Multiplier: 1

Instrument :  
 MSVOA\_W  
 ClientSampleId :  
 VIBLK26

Quant Time: Jun 30 03:07:13 2020  
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_W\METHOD\SOM2WLM062920S.M  
 Quant Title : VOC Analysis  
 QLast Update : Tue Jun 30 03:03:23 2020  
 Response via : Initial Calibration

| Internal Standards         | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|----------------------------|-------|------|----------|-------|-------|----------|
| 1) 1,4-Difluorobenzene     | 8.85  | 114  | 317333   | 25.00 | ug/L  | 0.00     |
| 28) Chlorobenzene-d5       | 11.63 | 117  | 295037   | 25.00 | ug/L  | 0.00     |
| 60) 1,4-Dichlorobenzene-d4 | 13.56 | 152  | 128097   | 25.00 | ug/L  | 0.00     |

## System Monitoring Compounds

|                                |        |       |          |          |      |        |
|--------------------------------|--------|-------|----------|----------|------|--------|
| 4) Vinyl Chloride-d3           | 2.35   | 65    | 103835   | 20.15    | ug/L | 0.00   |
| Spiked Amount                  | 25.000 | Range | 30 - 150 | Recovery | =    | 80.60% |
| 7) Chloroethane-d5             | 2.90   | 69    | 86178    | 20.48    | ug/L | 0.00   |
| Spiked Amount                  | 25.000 | Range | 30 - 150 | Recovery | =    | 81.92% |
| 10) 1,1-Dichloroethene-d2      | 4.02   | 63    | 144567   | 15.80    | ug/L | 0.00   |
| Spiked Amount                  | 25.000 | Range | 45 - 110 | Recovery | =    | 63.20% |
| 20) 2-Butanone-d5              | 7.08   | 46    | 50907    | 46.83    | ug/L | 0.00   |
| Spiked Amount                  | 50.000 | Range | 20 - 135 | Recovery | =    | 93.66% |
| 24) Chloroform-d               | 7.65   | 84    | 190021   | 21.48    | ug/L | 0.00   |
| Spiked Amount                  | 25.000 | Range | 40 - 150 | Recovery | =    | 85.92% |
| 26) 1,2-Dichloroethane-d4      | 8.31   | 65    | 114138   | 22.69    | ug/L | 0.00   |
| Spiked Amount                  | 25.000 | Range | 70 - 130 | Recovery | =    | 90.76% |
| 29) Benzene-d6                 | 8.27   | 84    | 386798   | 21.99    | ug/L | 0.00   |
| Spiked Amount                  | 25.000 | Range | 20 - 135 | Recovery | =    | 87.96% |
| 33) 1,2-Dichloropropane-d6     | 9.27   | 67    | 113182   | 21.73    | ug/L | 0.00   |
| Spiked Amount                  | 25.000 | Range | 70 - 120 | Recovery | =    | 86.92% |
| 37) Toluene-d8                 | 10.32  | 98    | 351421   | 21.47    | ug/L | 0.00   |
| Spiked Amount                  | 25.000 | Range | 30 - 130 | Recovery | =    | 85.88% |
| 38) trans-1,3-Dichloropropene- | 10.58  | 79    | 46254    | 20.05    | ug/L | 0.00   |
| Spiked Amount                  | 25.000 | Range | 30 - 135 | Recovery | =    | 80.20% |
| 39) 2-Hexanone-d5              | 10.93  | 63    | 36941    | 43.53    | ug/L | 0.00   |
| Spiked Amount                  | 50.000 | Range | 20 - 135 | Recovery | =    | 87.06% |
| 48) 1,1,2,2-Tetrachloroethane- | 12.69  | 84    | 84887    | 21.26    | ug/L | 0.00   |
| Spiked Amount                  | 25.000 | Range | 45 - 120 | Recovery | =    | 85.04% |
| 61) 1,2-Dichlorobenzene-d4     | 13.85  | 152   | 113550   | 22.86    | ug/L | 0.00   |
| Spiked Amount                  | 25.000 | Range | 75 - 120 | Recovery | =    | 91.44% |

## Target Compounds

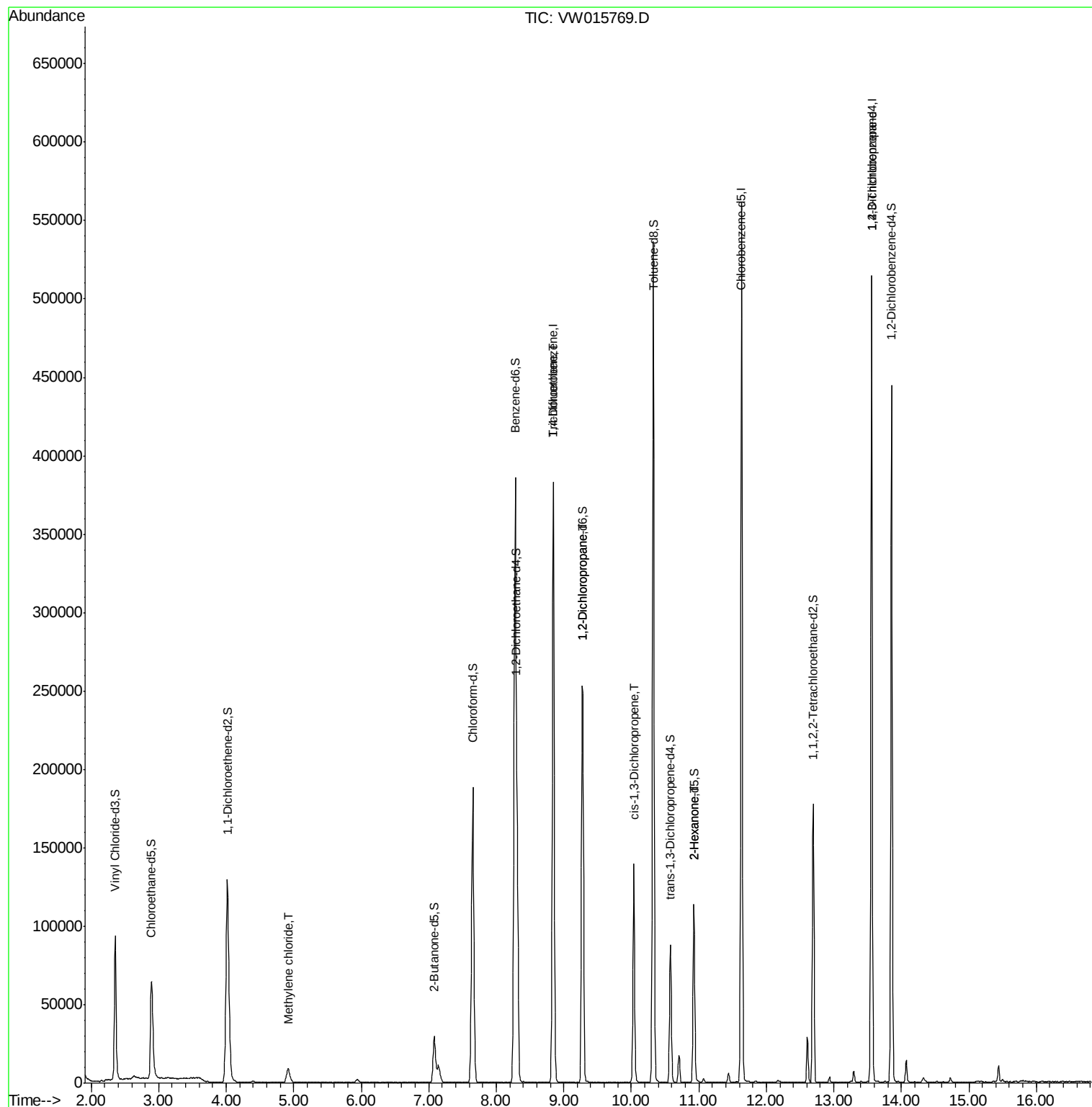
|                             |       |    |       |              | Ovalue |
|-----------------------------|-------|----|-------|--------------|--------|
| 16) Methylene chloride      | 4.91  | 84 | 7348  | 1.578 ug/L   | 90     |
| 35) Trichloroethene         | 8.84  | 95 | 9801  | 2.268 ug/L # | 5      |
| 40) 1,2-Dichloropropane     | 9.28  | 63 | 13915 | 3.528 ug/L # | 85     |
| 42) cis-1,3-Dichloropropene | 10.04 | 75 | 3621  | 0.588 ug/L # | 79     |
| 49) 2-Hexanone              | 10.93 | 43 | 4772  | 2.944 ug/L # | 64     |
| 59) 1,2,3-Trichloropropane  | 13.56 | 75 | 16294 | 6.368 ug/L   | 90     |

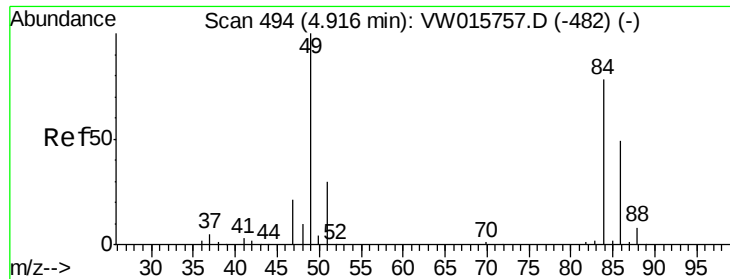
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Sample : VIBLK  
Misc : 5.00G/10ML/MSVOA W/SOIL  
ALS Vial : 1 Sample Multiplier: 1

Instrument :  
MSVOA\_W  
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VIBLK26

Quant Time: Jun 30 03:07:13 2020  
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Quant Title : VOC Analysis  
QLast Update : Tue Jun 30 03:03:23 2020  
Response via : Initial Calibration

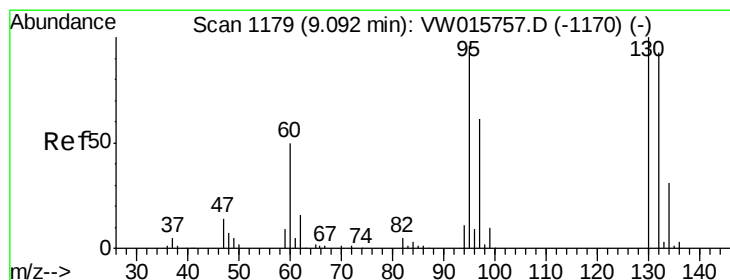
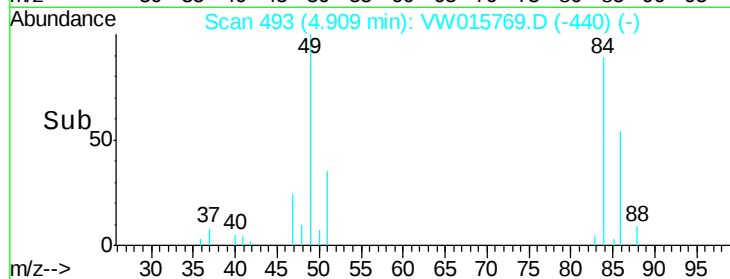
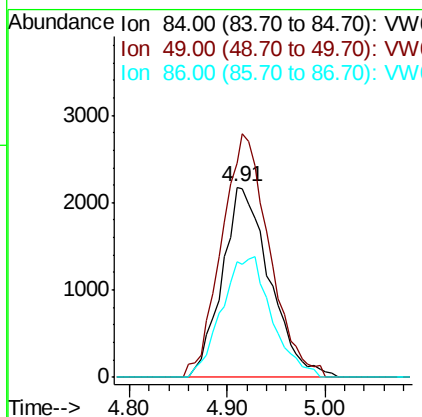
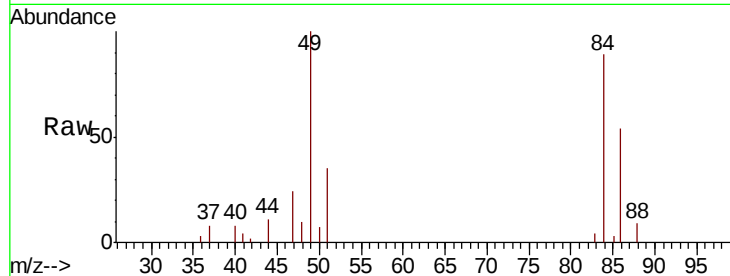




#16  
Methvlene chloride  
Concen: 1.578 ug/L  
RT: 4.91 min Scan# 493  
Delta R.T. -0.01 min  
Lab File: VW015769.D  
Acq: 29 Jun 2020 18:21

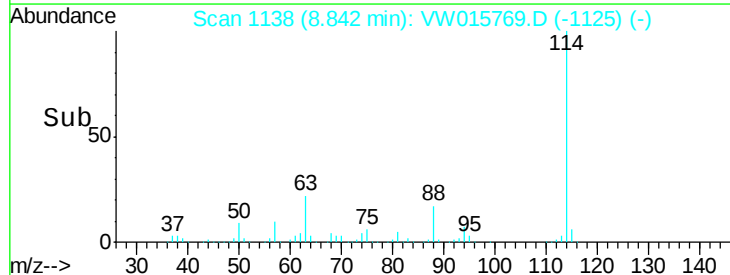
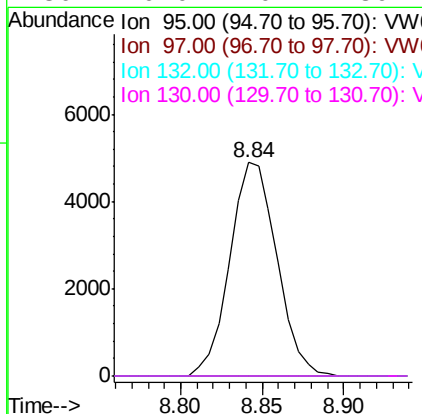
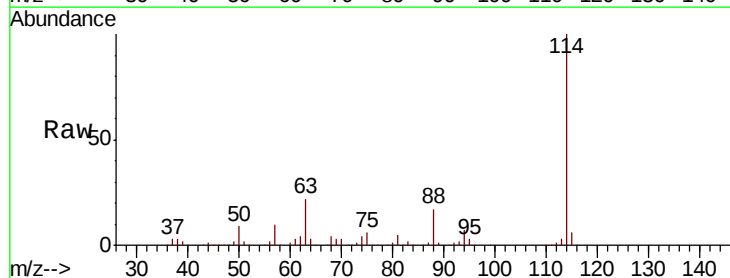
Instrument :  
MSVOA\_W  
ClientSampleId :  
VIBLK26

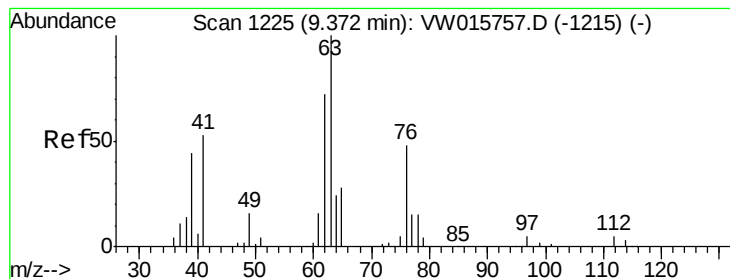
Tot Ion: 84 Resp: 7348  
Ion Ratio Lower Upper  
84 100  
49 112.4 90.0 167.2  
86 60.5 44.0 81.8



#35  
Trichloroethene  
Concen: 2.268 ug/L  
RT: 8.84 min Scan# 1138  
Delta R.T. -0.25 min  
Lab File: VW015769.D  
Acq: 29 Jun 2020 18:21

Tgt Ion: 95 Resp: 9801  
Ion Ratio Lower Upper  
95 100  
97 0.0 44.9 83.3#  
132 0.0 67.8 126.0#  
130 0.0 70.1 130.1#





#40

1,2-Dichloropropane

Concen: 3.528 ug/L

RT: 9.28 min Scan# 1210

Delta R.T. -0.09 min

Lab File: VW015769.D

Acq: 29 Jun 2020 18:21

Instrument :

MSVOA\_W

ClientSampleId :

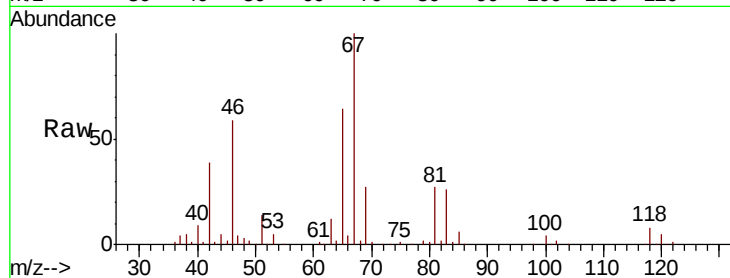
VIBLK26

Tot Ion: 63 Resp: 13915

Ion Ratio Lower Upper

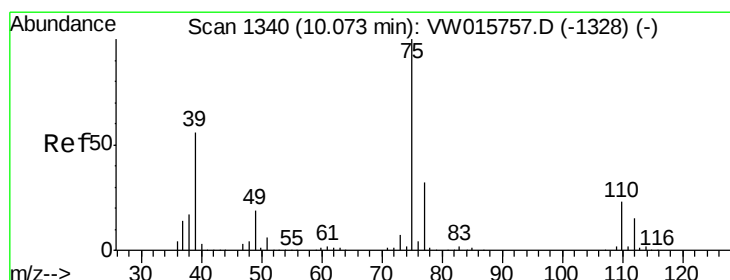
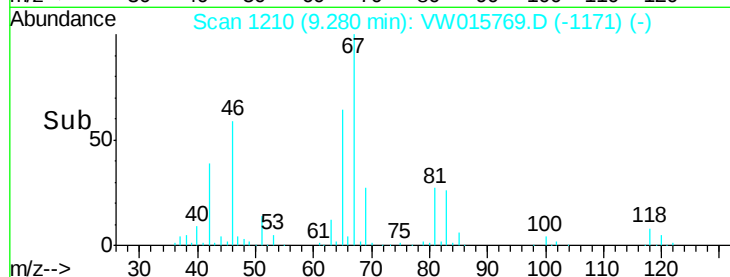
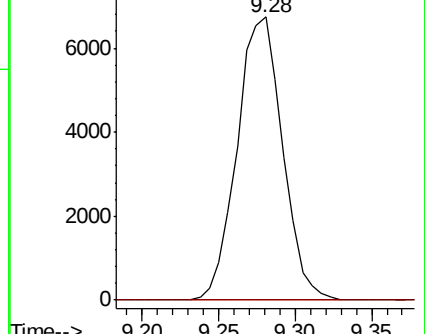
63 100

112 0.0 4.0 6.0#



Abundance Ion 63.00 (62.70 to 63.70): VW

Ion 112.00 (111.70 to 112.70): V



#42

cis-1,3-Dichloropropene

Concen: 0.588 ug/L

RT: 10.04 min Scan# 1334

Delta R.T. -0.04 min

Lab File: VW015769.D

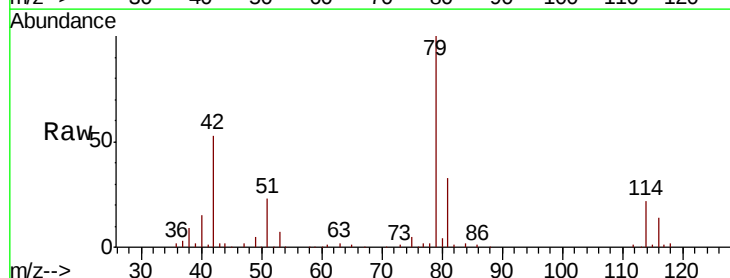
Acq: 29 Jun 2020 18:21

Tgt Ion: 75 Resp: 3621

Ion Ratio Lower Upper

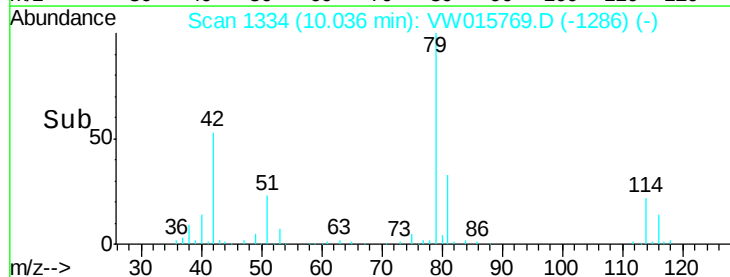
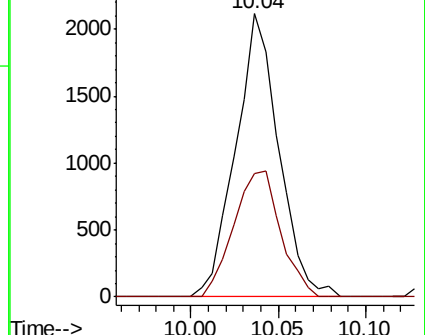
75 100

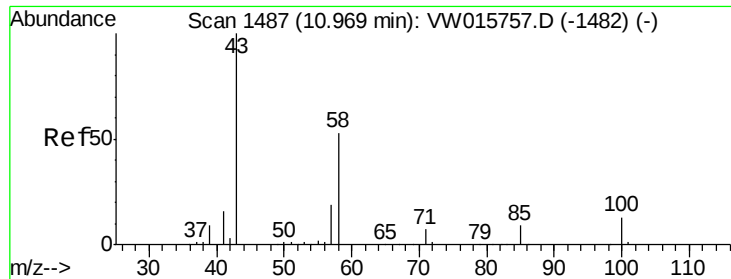
77 43.6 22.2 41.2#



Abundance Ion 75.00 (74.70 to 75.70): VW

Ion 77.00 (76.70 to 77.70): VW

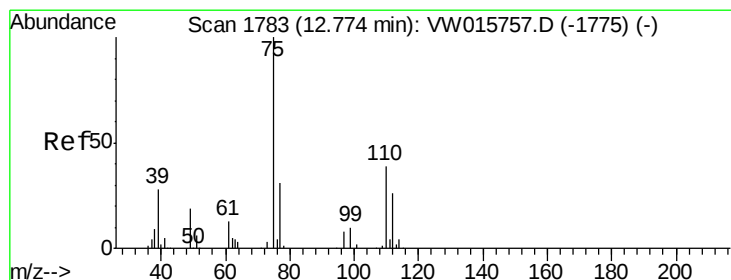
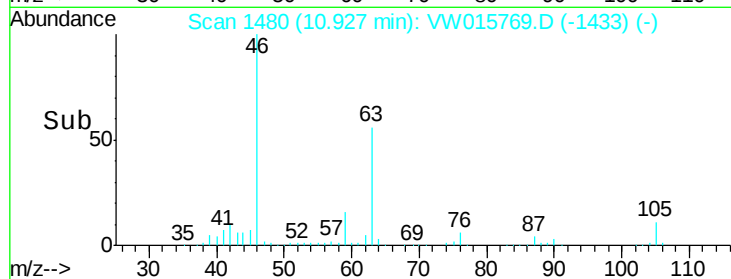
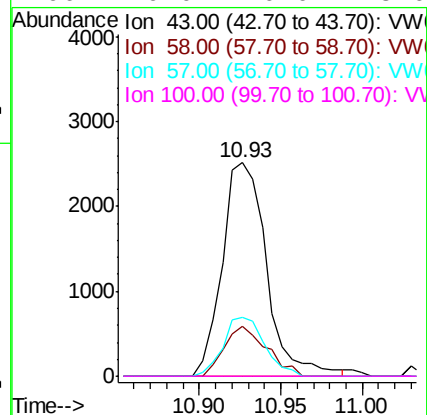
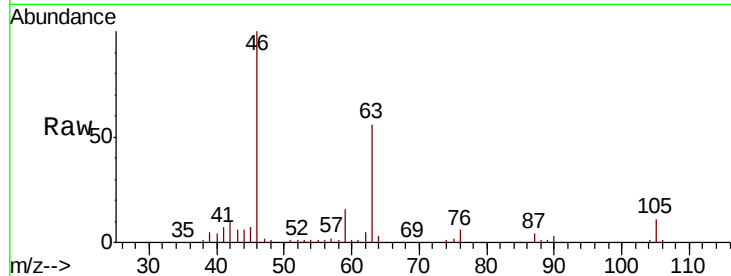




#49  
2-Hexanone  
Concen: 2.944 ug/L  
RT: 10.93 min Scan# 1480  
Delta R.T. -0.04 min  
Lab File: VW015769.D  
Acq: 29 Jun 2020 18:21

Instrument :  
MSVOA\_W  
ClientSampleId :  
VIBLK26

Tot Ion: 43 Resp: 4772  
Ion Ratio Lower Upper  
43 100  
58 22.4 43.5 65.3#  
57 25.8 15.4 23.0#  
100 0.0 10.0 15.0#



#59  
1,2,3-Trichloropropane  
Concen: 6.368 ug/L  
RT: 13.56 min Scan# 1912  
Delta R.T. 0.79 min  
Lab File: VW015769.D  
Acq: 29 Jun 2020 18:21

Tgt Ion: 75 Resp: 16294  
Ion Ratio Lower Upper  
75 100  
77 38.5 26.1 39.1

