

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW082620\  
 Data File : VW016358.D  
 Acq On : 26 Aug 2020 11:40  
 Operator : SY/VA  
 Sample : L3807-02  
 Misc : 6.35G/10ML/MSVOA W/SOIL  
 ALS Vial : 7 Sample Multiplier: 1

Instrument :  
 MSVOA\_W  
 ClientSampleId :  
 BFSN7

Quant Time: Aug 27 02:42:36 2020  
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_W\METHOD\SOM2WLM082420S.M  
 Quant Title : VOC Analysis  
 QLast Update : Thu Aug 27 02:40:32 2020  
 Response via : Initial Calibration

| Internal Standards         | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|----------------------------|-------|------|----------|-------|-------|----------|
| 1) 1,4-Difluorobenzene     | 8.85  | 114  | 284302   | 25.00 | ug/L  | 0.00     |
| 28) Chlorobenzene-d5       | 11.63 | 117  | 261574   | 25.00 | ug/L  | 0.00     |
| 60) 1,4-Dichlorobenzene-d4 | 13.56 | 152  | 117963   | 25.00 | ug/L  | 0.00     |

## System Monitoring Compounds

|                                |        |       |          |          |      |         |
|--------------------------------|--------|-------|----------|----------|------|---------|
| 4) Vinyl Chloride-d3           | 2.35   | 65    | 39387    | 12.98    | ug/L | -0.01   |
| Spiked Amount                  | 25.000 | Range | 30 - 150 | Recovery | =    | 51.92%  |
| 7) Chloroethane-d5             | 2.89   | 69    | 37263    | 16.17    | ug/L | 0.00    |
| Spiked Amount                  | 25.000 | Range | 30 - 150 | Recovery | =    | 64.68%  |
| 10) 1,1-Dichloroethene-d2      | 4.01   | 63    | 76145    | 10.56    | ug/L | 0.00    |
| Spiked Amount                  | 25.000 | Range | 45 - 110 | Recovery | =    | 42.24%# |
| 20) 2-Butanone-d5              | 7.08   | 46    | 33949    | 39.32    | ug/L | 0.00    |
| Spiked Amount                  | 50.000 | Range | 20 - 135 | Recovery | =    | 78.64%  |
| 24) Chloroform-d               | 7.65   | 84    | 152582   | 20.59    | ug/L | 0.00    |
| Spiked Amount                  | 25.000 | Range | 40 - 150 | Recovery | =    | 82.36%  |
| 26) 1,2-Dichloroethane-d4      | 8.31   | 65    | 80140    | 20.98    | ug/L | 0.00    |
| Spiked Amount                  | 25.000 | Range | 70 - 130 | Recovery | =    | 83.92%  |
| 29) Benzene-d6                 | 8.27   | 84    | 258809   | 17.72    | ug/L | 0.00    |
| Spiked Amount                  | 25.000 | Range | 20 - 135 | Recovery | =    | 70.88%  |
| 33) 1,2-Dichloropropane-d6     | 9.28   | 67    | 81265    | 20.11    | ug/L | 0.00    |
| Spiked Amount                  | 25.000 | Range | 70 - 120 | Recovery | =    | 80.44%  |
| 37) Toluene-d8                 | 10.33  | 98    | 229869   | 16.69    | ug/L | 0.00    |
| Spiked Amount                  | 25.000 | Range | 30 - 130 | Recovery | =    | 66.76%  |
| 38) trans-1,3-Dichloropropene- | 10.58  | 79    | 35533    | 18.22    | ug/L | 0.00    |
| Spiked Amount                  | 25.000 | Range | 30 - 135 | Recovery | =    | 72.88%  |
| 39) 2-Hexanone-d5              | 10.93  | 63    | 29077    | 44.91    | ug/L | 0.00    |
| Spiked Amount                  | 50.000 | Range | 20 - 135 | Recovery | =    | 89.82%  |
| 48) 1,1,2,2-Tetrachloroethane- | 12.69  | 84    | 73700    | 21.91    | ug/L | 0.00    |
| Spiked Amount                  | 25.000 | Range | 45 - 120 | Recovery | =    | 87.64%  |
| 61) 1,2-Dichlorobenzene-d4     | 13.86  | 152   | 101029   | 22.33    | ug/L | 0.00    |
| Spiked Amount                  | 25.000 | Range | 75 - 120 | Recovery | =    | 89.32%  |

## Target Compounds

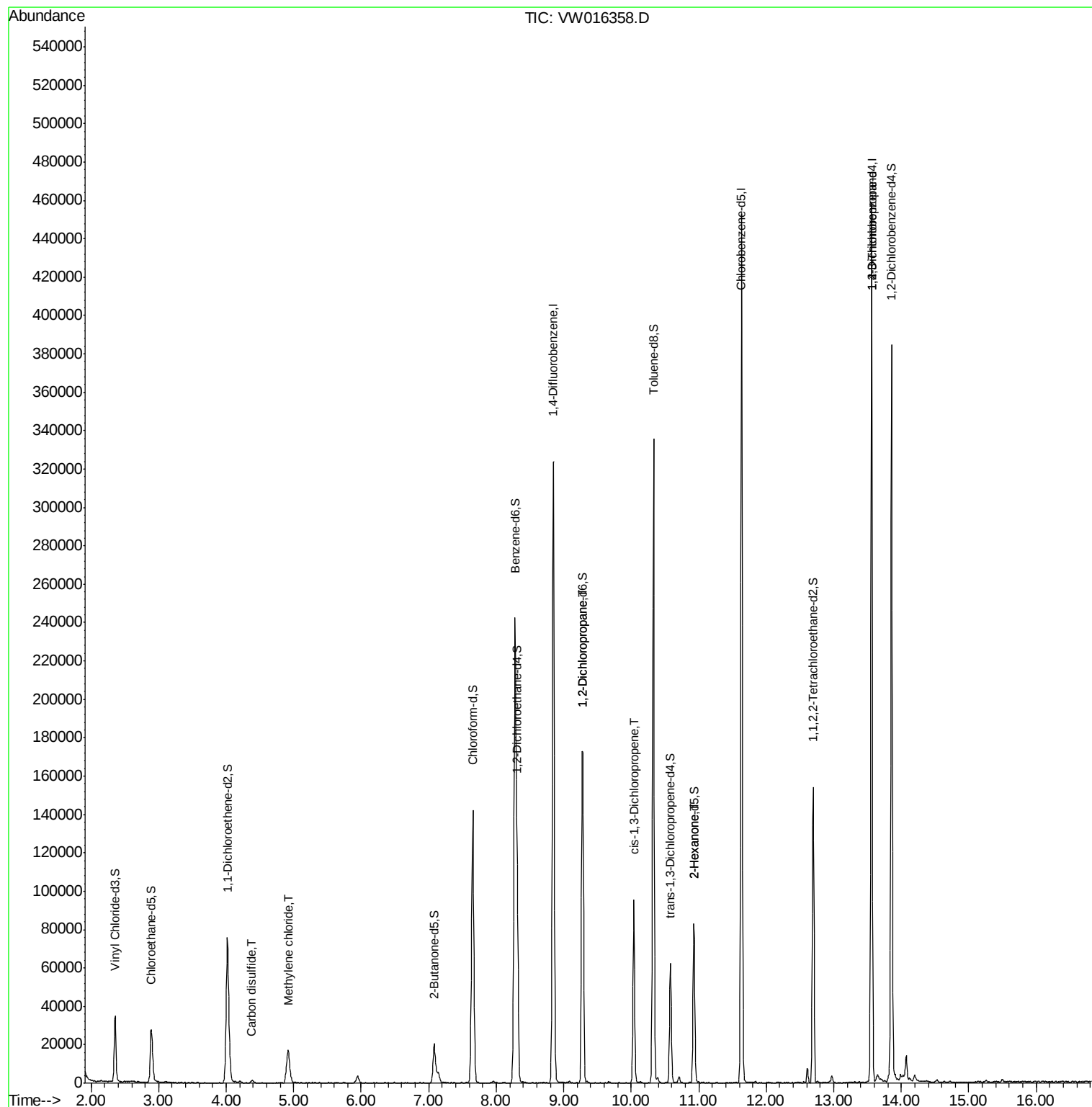
|                             |       |    |       |              | Ovalue |
|-----------------------------|-------|----|-------|--------------|--------|
| 14) Carbon disulfide        | 4.38  | 76 | 3287  | 0.294 ug/L   | 95     |
| 16) Methylene chloride      | 4.93  | 84 | 15606 | 2.969 ug/L   | 93     |
| 40) 1,2-Dichloropropane     | 9.28  | 63 | 9653  | 2.736 ug/L # | 85     |
| 42) cis-1,3-Dichloropropene | 10.04 | 75 | 2501  | 0.433 ug/L # | 50     |
| 49) 2-Hexanone              | 10.93 | 43 | 3349  | 2.450 ug/L # | 61     |
| 59) 1,2,3-Trichloropropane  | 13.56 | 75 | 13343 | 5.301 ug/L   | 89     |

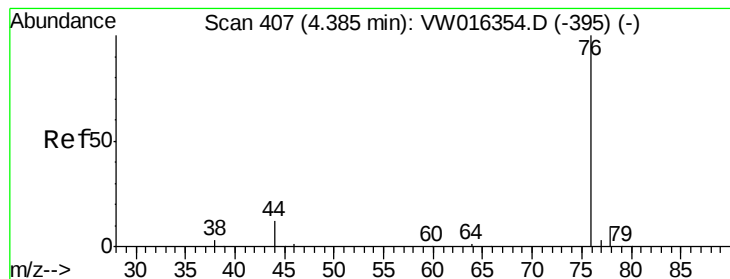
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA W\DATA\VW082620\  
Data File : VW016358.D  
Acq On : 26 Aug 2020 11:40  
Operator : SY/VA  
Sample : L3807-02  
Misc : 6.35G/10ML/MSVOA W/SOIL  
ALS Vial : 7 Sample Multiplier: 1

Instrument :  
MSVOA\_W  
ClientSampleId :  
BFSN7

Quant Time: Aug 27 02:42:36 2020  
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA\_W\METHOD\SOM2WLM082420S.M  
Quant Title : VOC Analysis  
QLast Update : Thu Aug 27 02:40:32 2020  
Response via : Initial Calibration





#14

Carbon disulfide

Concen: 0.294 ug/L

RT: 4.38 min Scan# 406

Delta R.T. -0.01 min

Lab File: VW016358.D

Acq: 26 Aug 2020 11:40

Instrument :

MSVOA\_W

ClientSampled :

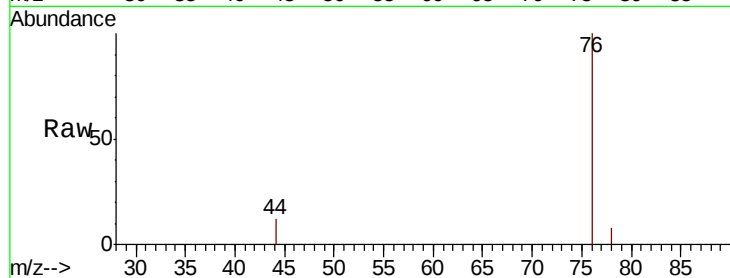
BFSN7

Tot Ion: 76 Resp: 3287

Ion Ratio Lower Upper

76 100

78 7.9 7.7 11.5



Abundance Ion 76.00 (75.70 to 76.70): VW

Ion 78.00 (77.70 to 78.70): VW

1500

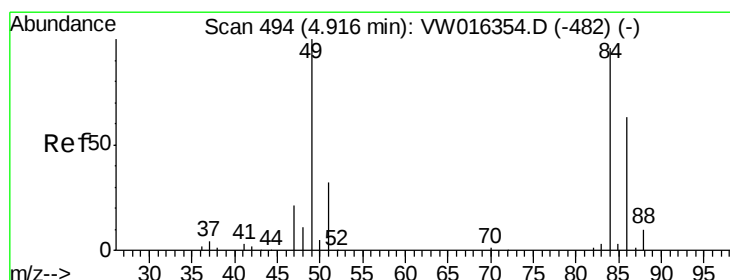
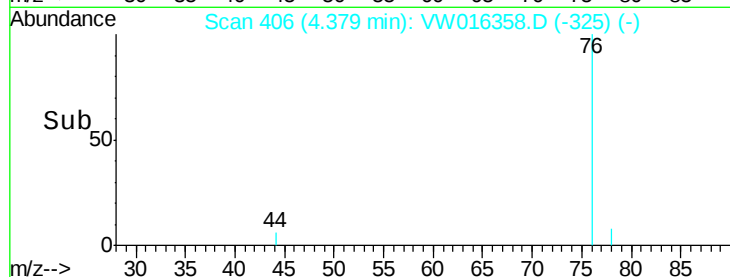
4.38

1000

500

0

Time--> 4.30 4.35 4.40 4.45



#16

Methylene chloride

Concen: 2.969 ug/L

RT: 4.93 min Scan# 496

Delta R.T. 0.01 min

Lab File: VW016358.D

Acq: 26 Aug 2020 11:40

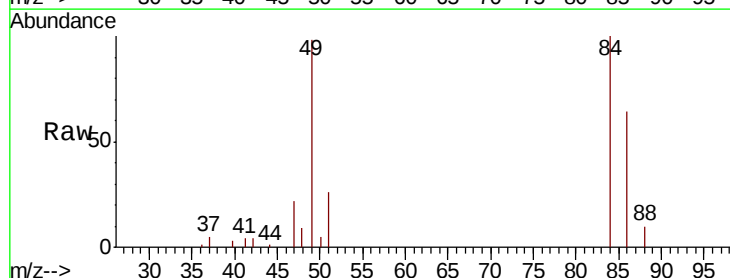
Tgt Ion: 84 Resp: 15606

Ion Ratio Lower Upper

84 100

49 98.1 75.3 139.9

86 63.8 43.3 80.3



Abundance Ion 84.00 (83.70 to 84.70): VW

Ion 49.00 (48.70 to 49.70): VW

Ion 86.00 (85.70 to 86.70): VW

6000

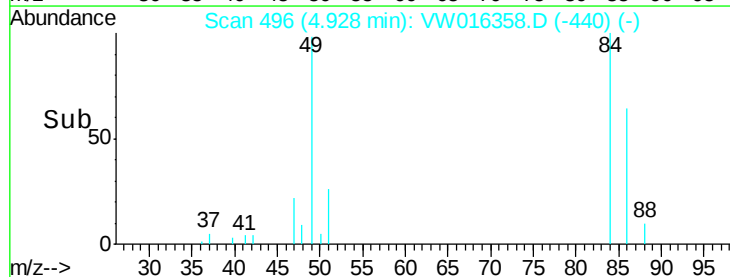
4.93

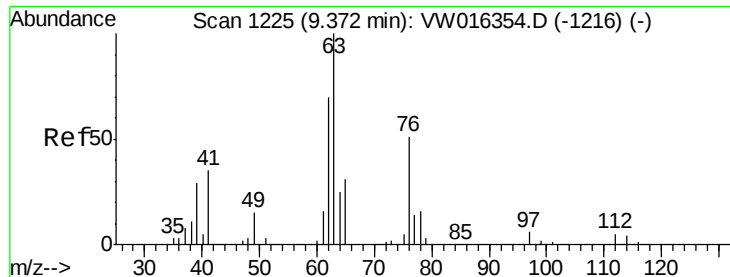
4000

2000

0

Time--> 4.80 4.90 5.00





#40

1,2-Dichloropropane

Concen: 2.736 ug/L

RT: 9.28 min Scan# 1210

Delta R.T. -0.09 min

Lab File: VW016358.D

Acq: 26 Aug 2020 11:40

Instrument :

MSVOA\_W

ClientSampled :

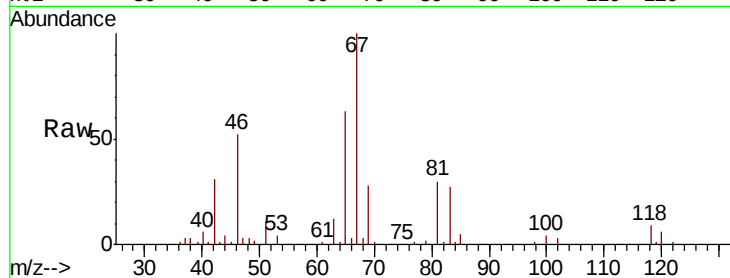
BFSN7

Tot Ion: 63 Resp: 9653

Ion Ratio Lower Upper

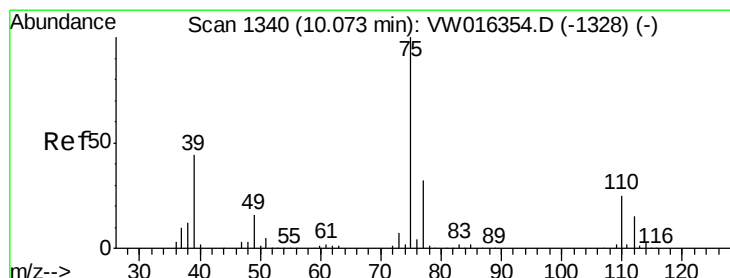
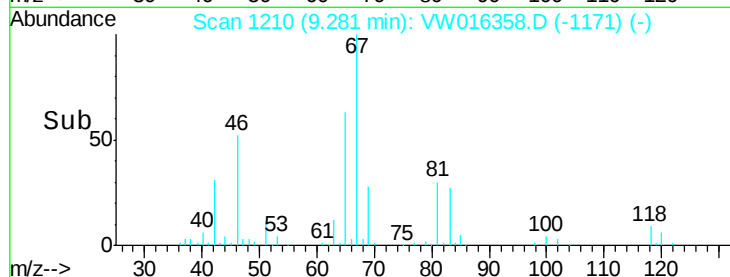
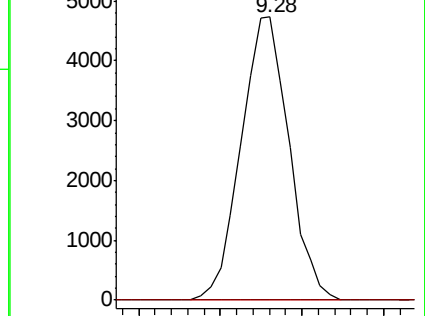
63 100

112 0.6 4.4 6.6#



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: 0.433 ug/L

RT: 10.04 min Scan# 1334

Delta R.T. -0.04 min

Lab File: VW016358.D

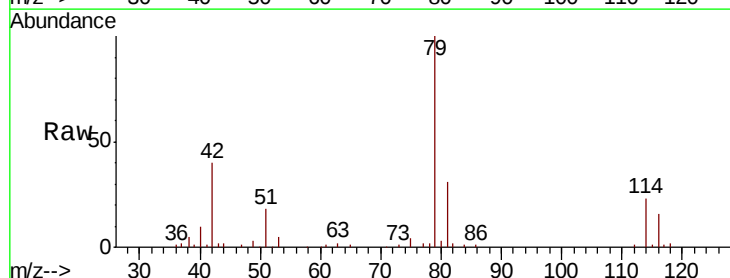
Acq: 26 Aug 2020 11:40

Tgt Ion: 75 Resp: 2501

Ion Ratio Lower Upper

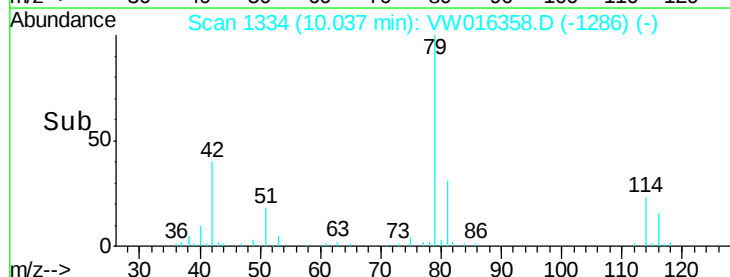
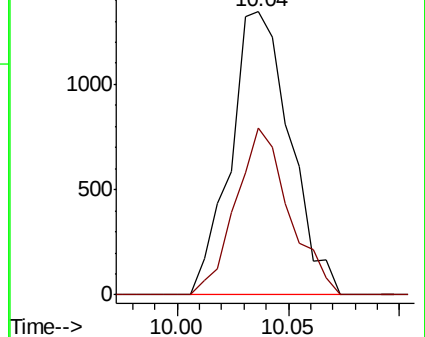
75 100

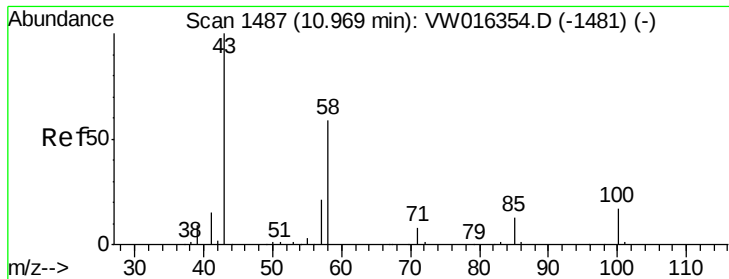
77 59.2 22.0 40.8#



Abundance Ion 75.00 (74.70 to 75.70): VW

Ion 77.00 (76.70 to 77.70): VW





#49

2-Hexanone

Concen: 2.450 ug/L

RT: 10.93 min Scan# 1480

Delta R.T. -0.04 min

Lab File: VW016358.D

Acq: 26 Aug 2020 11:40

Instrument :

MSVOA\_W

ClientSampleId :

BFSN7

Tot Ion: 43 Resp: 3349

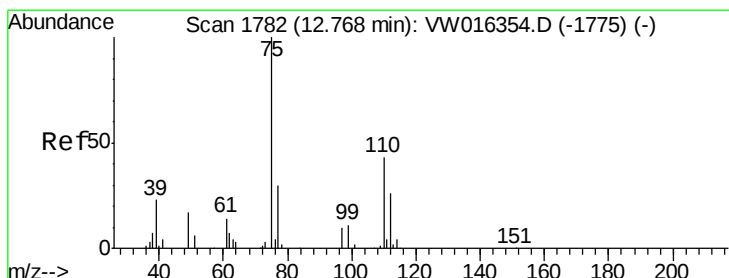
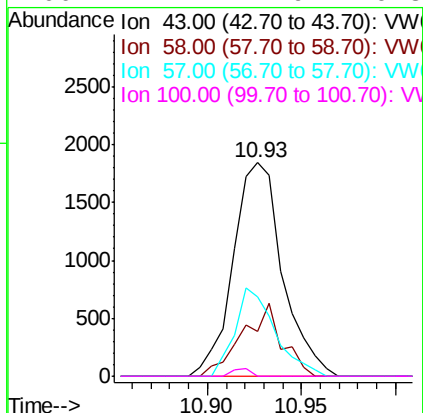
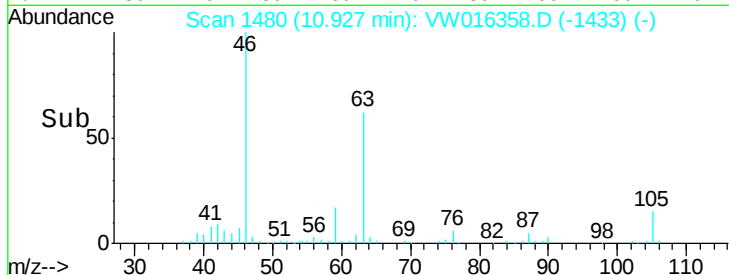
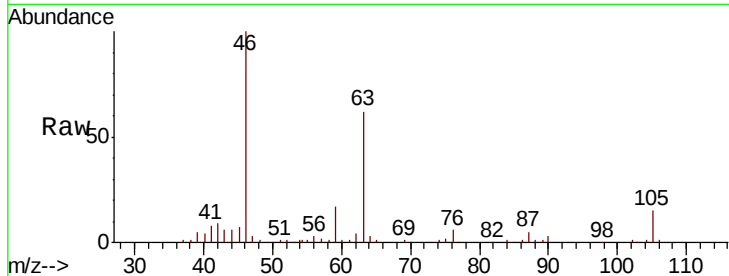
Ion Ratio Lower Upper

43 100

58 27.5 49.5 74.3#

57 33.8 17.7 26.5#

100 1.4 12.9 19.3#



#59

1,2,3-Trichloropropane

Concen: 5.301 ug/L

RT: 13.56 min Scan# 1912

Delta R.T. 0.79 min

Lab File: VW016358.D

Acq: 26 Aug 2020 11:40

Tgt Ion: 75 Resp: 13343

Ion Ratio Lower Upper

75 100

77 40.2 27.1 40.7

