

Data File : VV011514.D  
Acq On : 15 Jun 2019 02:22  
Operator : SY/MD  
Sample : VIBLK  
Misc : 25ML/MSVOA\_V/WATER  
ALS Vial : 1 Sample Multiplier: 1

Instrument :  
MSVOA\_V  
ClientSampleId :  
VIBLK41

Quant Time: Jun 15 02:59:14 2019  
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_V\METHOD\SOMVTR061419WMA.M  
Quant Title : TRACE VOA SOM01.0  
QLast Update : Sat Jun 15 02:56:00 2019  
Response via : Initial Calibration

| Internal Standards         | R.T.  | QIon | Response | Conc | Units | Dev(Min) |
|----------------------------|-------|------|----------|------|-------|----------|
| 1) 1,4-Difluorobenzene     | 5.66  | 114  | 172150   | 5.00 | ug/L  | 0.00     |
| 28) Chlorobenzene-d5       | 8.89  | 117  | 154477   | 5.00 | ug/L  | 0.00     |
| 60) 1,4-Dichlorobenzene-d4 | 11.30 | 152  | 59504    | 5.00 | ug/L  | 0.00     |

#### System Monitoring Compounds

|                                |        |       |          |          |      |         |
|--------------------------------|--------|-------|----------|----------|------|---------|
| 4) Vinyl Chloride-d3           | 1.31   | 65    | 59661    | 4.59     | ug/L | 0.00    |
| Spiked Amount                  | 5.000  | Range | 40 - 130 | Recovery | =    | 91.80%  |
| 7) Chloroethane-d5             | 1.58   | 69    | 43076    | 5.23     | ug/L | 0.00    |
| Spiked Amount                  | 5.000  | Range | 65 - 130 | Recovery | =    | 104.60% |
| 11) 1,1-Dichloroethene-d2      | 2.12   | 63    | 90130    | 3.64     | ug/L | 0.00    |
| Spiked Amount                  | 5.000  | Range | 60 - 125 | Recovery | =    | 72.80%  |
| 20) 2-Butanone-d5              | 3.96   | 46    | 185163   | 50.63    | ug/L | 0.00    |
| Spiked Amount                  | 50.000 | Range | 40 - 130 | Recovery | =    | 101.26% |
| 24) Chloroform-d               | 4.40   | 84    | 118541   | 4.74     | ug/L | 0.00    |
| Spiked Amount                  | 5.000  | Range | 70 - 125 | Recovery | =    | 94.80%  |
| 26) 1,2-Dichloroethane-d4      | 5.08   | 65    | 70215    | 5.08     | ug/L | 0.00    |
| Spiked Amount                  | 5.000  | Range | 70 - 130 | Recovery | =    | 101.60% |
| 32) Benzene-d6                 | 5.09   | 84    | 237547   | 5.15     | ug/L | 0.00    |
| Spiked Amount                  | 5.000  | Range | 70 - 125 | Recovery | =    | 103.00% |
| 36) 1,2-Dichloropropane-d6     | 6.12   | 67    | 73097    | 5.00     | ug/L | 0.00    |
| Spiked Amount                  | 5.000  | Range | 60 - 140 | Recovery | =    | 100.00% |
| 41) Toluene-d8                 | 7.36   | 98    | 197155   | 4.80     | ug/L | 0.00    |
| Spiked Amount                  | 5.000  | Range | 70 - 130 | Recovery | =    | 96.00%  |
| 43) trans-1,3-Dichloropropene- | 7.66   | 79    | 21917    | 4.50     | ug/L | 0.00    |
| Spiked Amount                  | 5.000  | Range | 55 - 130 | Recovery | =    | 90.00%  |
| 46) 2-Hexanone-d5              | 8.14   | 63    | 143798   | 51.19    | ug/L | 0.00    |
| Spiked Amount                  | 50.000 | Range | 45 - 130 | Recovery | =    | 102.38% |
| 57) 1,1,2,2-Tetrachloroethane- | 10.26  | 84    | 50633    | 4.62     | ug/L | 0.00    |
| Spiked Amount                  | 5.000  | Range | 65 - 120 | Recovery | =    | 92.40%  |
| 64) 1,2-Dichlorobenzene-d4     | 11.67  | 152   | 63482    | 5.35     | ug/L | 0.00    |
| Spiked Amount                  | 5.000  | Range | 80 - 120 | Recovery | =    | 107.00% |

#### Target Compounds

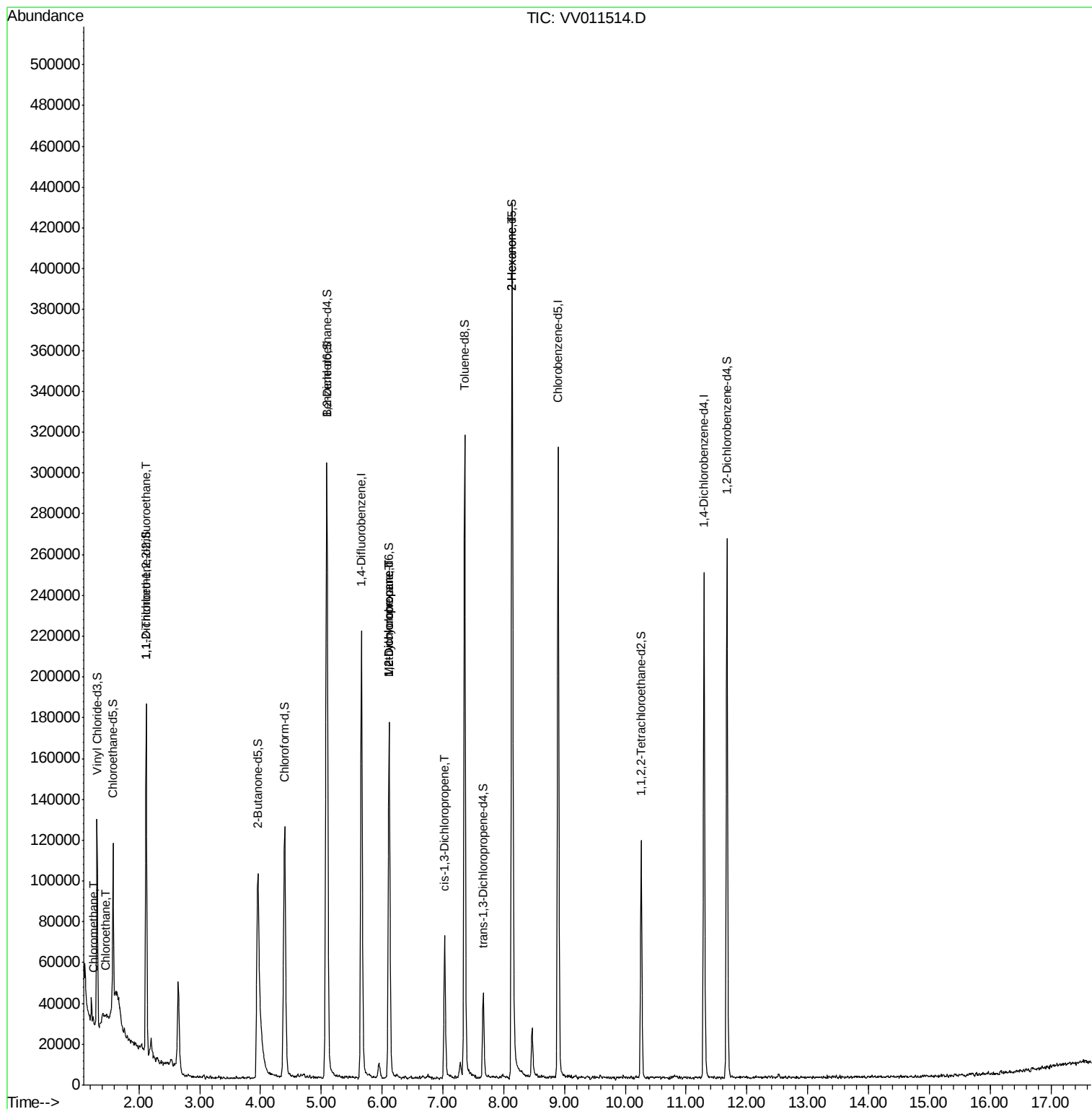
|                                |      |     |       |              | Qvalue |
|--------------------------------|------|-----|-------|--------------|--------|
| 3) Chloromethane               | 1.25 | 50  | 1410  | 0.085 ug/L   | 99     |
| 8) Chloroethane                | 1.45 | 64  | 2024  | 0.254 ug/L # | 53     |
| 10) 1,1,2-Trichloro-1,2,2-trif | 2.12 | 101 | 897   | 0.087 ug/L # | 19     |
| 35) Methylcyclohexane          | 6.12 | 83  | 18568 | 1.012 ug/L # | 17     |
| 37) 1,2-Dichloropropane        | 6.11 | 63  | 9709  | 0.723 ug/L # | 87     |
| 39) cis-1,3-Dichloropropene    | 7.03 | 75  | 2252  | 0.133 ug/L # | 74     |
| 48) 2-Hexanone                 | 8.14 | 43  | 19887 | 2.955 ug/L # | 71     |

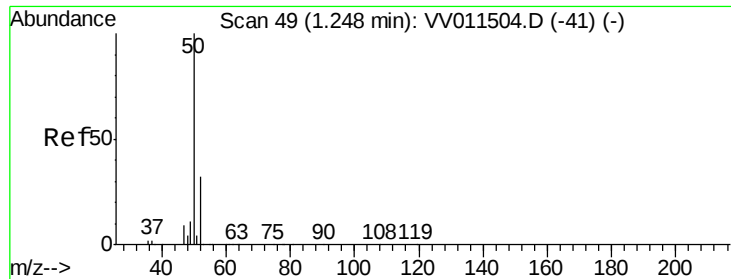
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data File : VV011514.D  
Acq On : 15 Jun 2019 02:22  
Operator : SY/MD  
Sample : VIBLK  
Misc : 25ML/MSVOA\_V/WATER  
ALS Vial : 1 Sample Multiplier: 1

Instrument :  
MSVOA\_V  
ClientSampleId :  
VIBLK41

Quant Time: Jun 15 02:59:14 2019  
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_V\METHOD\SOMVTR061419WMA.M  
Quant Title : TRACE VOA SOM01.0  
QLast Update : Sat Jun 15 02:56:00 2019  
Response via : Initial Calibration





#3

Chloromethane

Concen: 0.085 ug/L

RT: 1.25 min Scan# 49

Delta R.T. -0.00 min

Lab File: VV011514.D

Acq: 15 Jun 2019 02:22

Instrument :

MSVOA\_V

ClientSampleId :

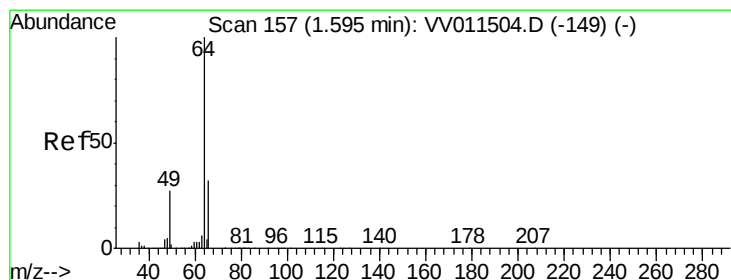
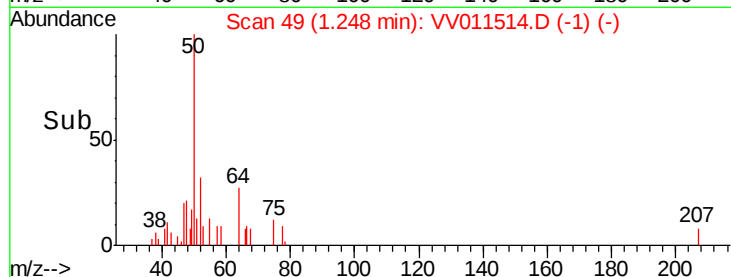
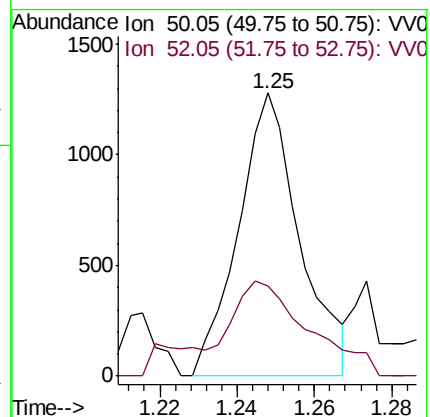
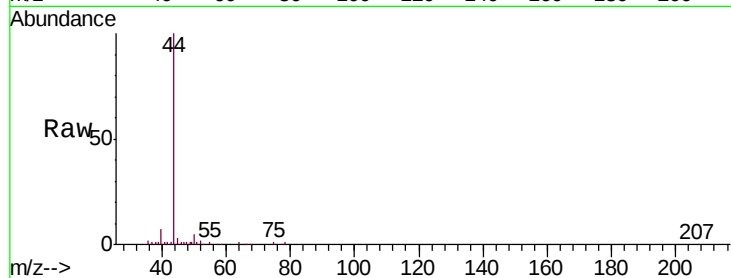
VIBLK41

Tgt Ion: 50 Resp: 1410

Ion Ratio Lower Upper

50 100

52 31.9 22.7 42.1



#8

Chloroethane

Concen: 0.254 ug/L

RT: 1.45 min Scan# 112

Delta R.T. -0.14 min

Lab File: VV011514.D

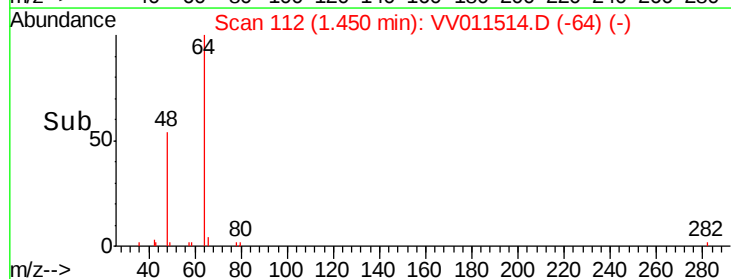
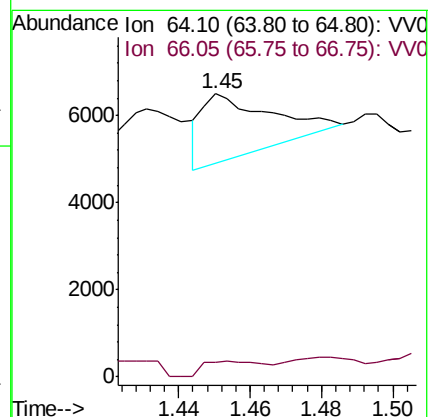
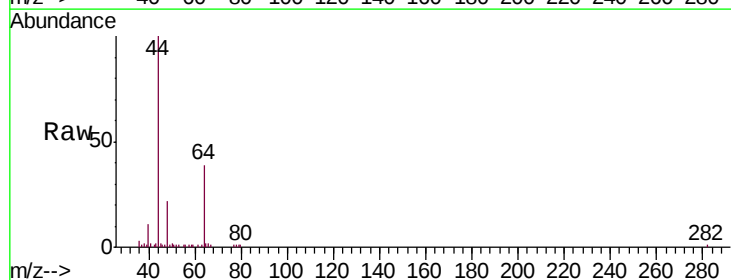
Acq: 15 Jun 2019 02:22

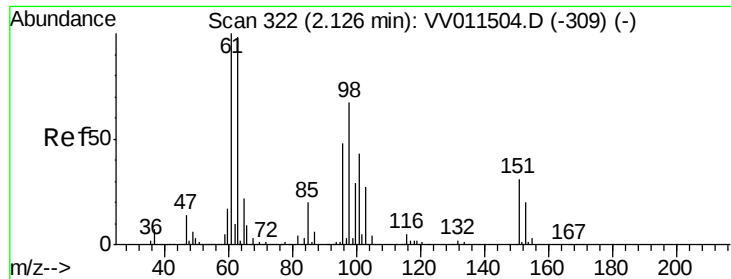
Tgt Ion: 64 Resp: 2024

Ion Ratio Lower Upper

64 100

66 5.3 21.6 40.2#





#10

1,1,2-Trichloro-1,2,2-trifluoroethane

Concen: 0.087 ug/L

RT: 2.12 min Scan# 321

Delta R.T. -0.00 min

Lab File: VV011514.D

Acq: 15 Jun 2019 02:22

Instrument :

MSVOA\_V

ClientSampleId :

VIBLK41

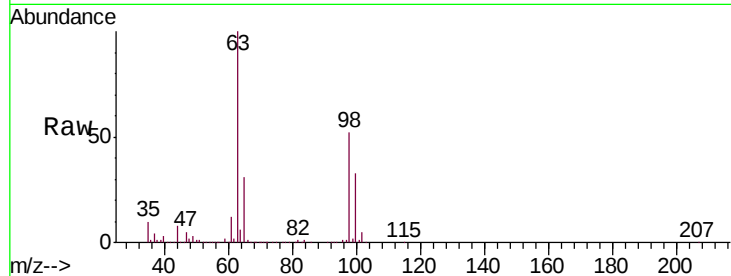
Tgt Ion: 101 Resp: 897

Ion Ratio Lower Upper

101 100

85 0.0 37.3 55.9#

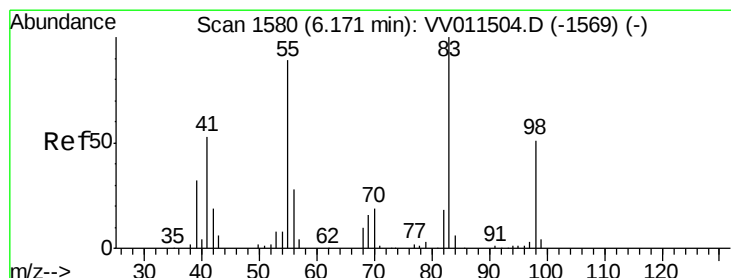
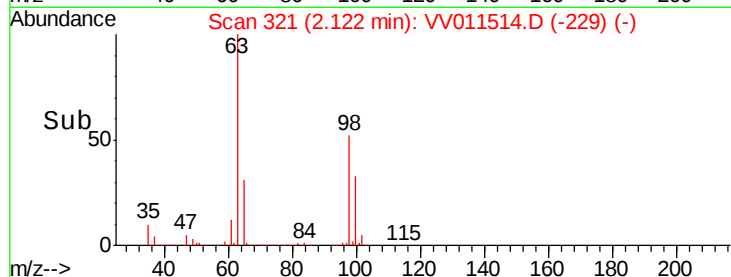
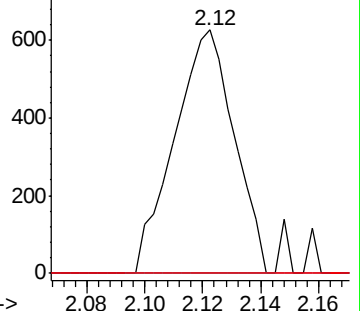
151 0.0 59.4 89.2#



Abundance Ion 101.00 (100.70 to 101.70): V

Ion 85.00 (84.70 to 85.70): VV0

Ion 151.00 (150.70 to 151.70): V



#35

Methylcyclohexane

Concen: 1.012 ug/L

RT: 6.12 min Scan# 1563

Delta R.T. -0.05 min

Lab File: VV011514.D

Acq: 15 Jun 2019 02:22

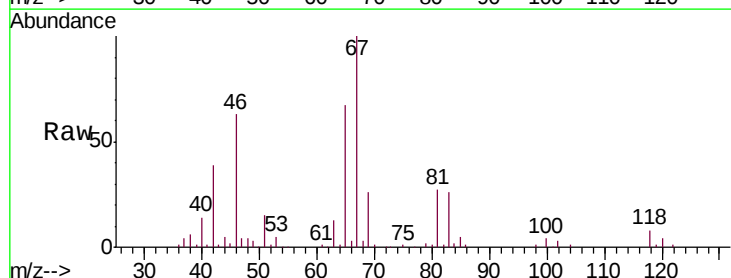
Tgt Ion: 83 Resp: 18568

Ion Ratio Lower Upper

83 100

55 1.8 67.9 101.9#

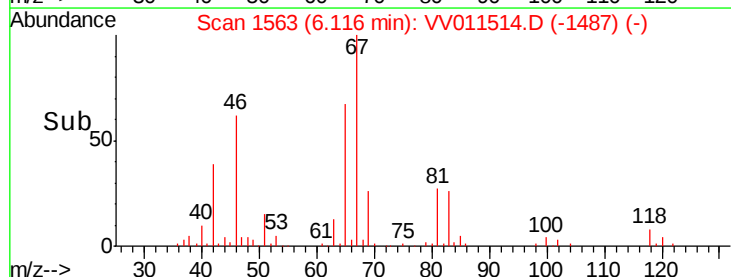
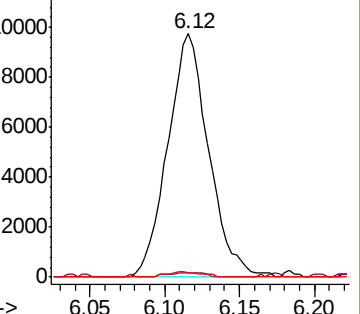
98 1.7 39.6 59.4#

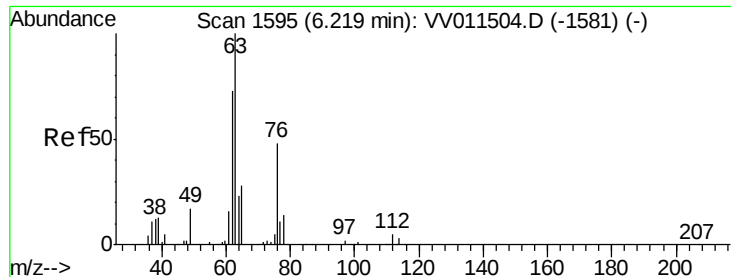


Abundance Ion 83.15 (82.85 to 83.85): VV0

Ion 55.10 (54.80 to 55.80): VV0

Ion 98.15 (97.85 to 98.85): VV0





#37

1,2-Dichloropropane

Concen: 0.723 ug/L

RT: 6.11 min Scan# 1562

Delta R.T. -0.11 min

Lab File: VV011514.D

Acq: 15 Jun 2019 02:22

Instrument :

MSVOA\_V

ClientSampled :

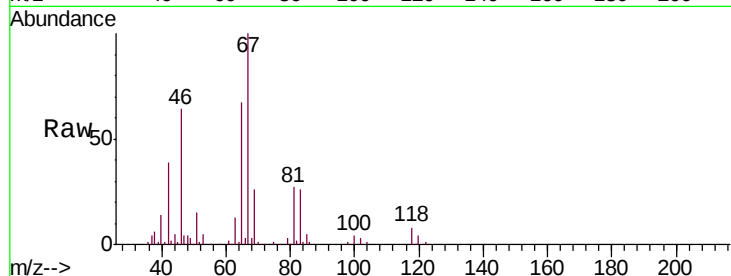
VIBLK41

Tgt Ion: 63 Resp: 9709

Ion Ratio Lower Upper

63 100

112 0.2 3.7 5.5#



Abundance Ion 63.10 (62.80 to 63.80): VV011514.D (-1562) (-)

Ion 112.10 (111.80 to 112.80): VV011514.D (-1562) (-)

6.11

5000

4000

3000

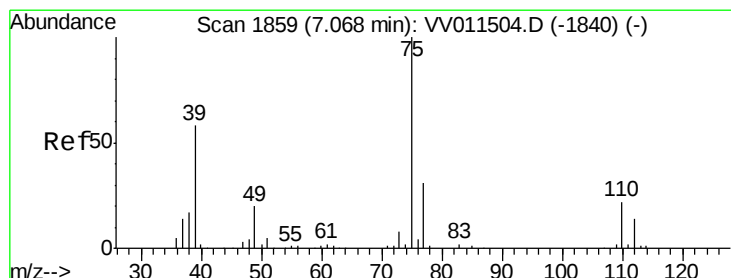
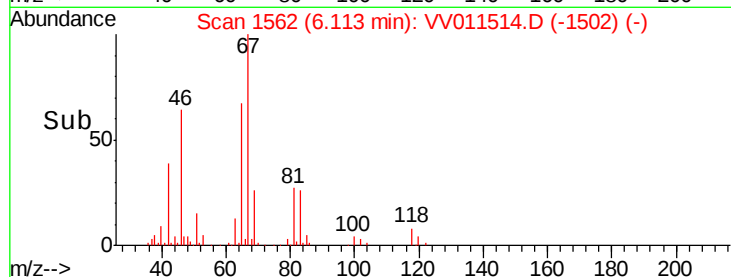
2000

1000

0

6.05 6.10 6.15

Time-->



#39

cis-1,3-Dichloropropene

Concen: 0.133 ug/L

RT: 7.03 min Scan# 1848

Delta R.T. -0.04 min

Lab File: VV011514.D

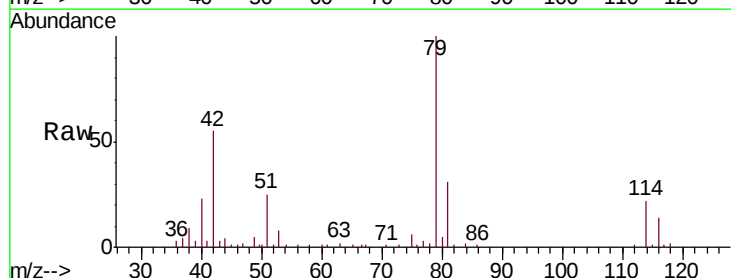
Acq: 15 Jun 2019 02:22

Tgt Ion: 75 Resp: 2252

Ion Ratio Lower Upper

75 100

77 43.3 20.6 38.4#



Abundance Ion 75.05 (74.75 to 75.75): VV011514.D (-1848) (-)

Ion 77.05 (76.75 to 77.75): VV011514.D (-1848) (-)

7.03

1500

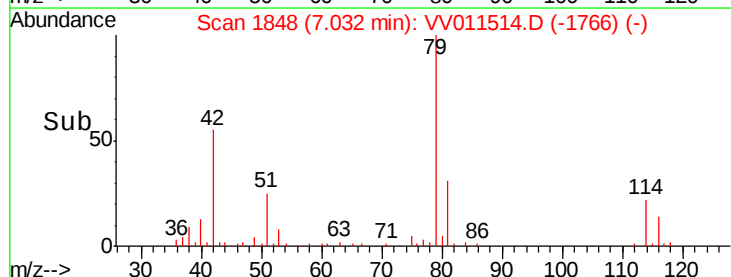
1000

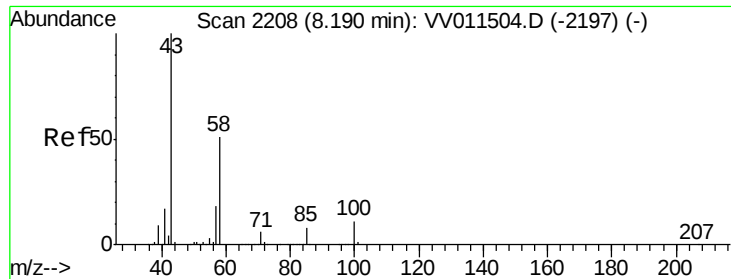
500

0

7.00 7.05 7.10

Time-->





#48

2-Hexanone

Concen: 2.955 ug/L

RT: 8.14 min Scan# 2192

Delta R.T. -0.05 min

Lab File: VV011514.D

Acq: 15 Jun 2019 02:22

Instrument :

MSVOA\_V

ClientSampleId :

VIBLK41

Tgt Ion: 43 Resp: 19887

Ion Ratio Lower Upper

43 100

58 27.1 40.6 60.8#

57 25.9 14.2 21.4#

100 2.3 8.6 12.8#

