

Data File : VV011557.D  
Acq On : 17 Jun 2019 18:12  
Operator : SY/MD  
Sample : K3314-07  
Misc : 25ML/MSVOA\_V/WATER  
ALS Vial : 1 Sample Multiplier: 1

Instrument :  
MSVOA\_V  
ClientSampleId :  
VHBLK01

Quant Time: Jun 18 08:46:31 2019  
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_V\METHOD\SOMVTR061419WMA.M  
Quant Title : TRACE VOA SOM01.0  
QLast Update : Tue Jun 18 08:42:07 2019  
Response via : Initial Calibration

| Internal Standards         | R.T.  | QIon | Response | Conc | Units | Dev(Min) |
|----------------------------|-------|------|----------|------|-------|----------|
| 1) 1,4-Difluorobenzene     | 5.66  | 114  | 180502   | 5.00 | ug/L  | 0.00     |
| 28) Chlorobenzene-d5       | 8.89  | 117  | 164760   | 5.00 | ug/L  | 0.00     |
| 60) 1,4-Dichlorobenzene-d4 | 11.30 | 152  | 64781    | 5.00 | ug/L  | 0.00     |

#### System Monitoring Compounds

|                                |        |       |          |          |      |         |
|--------------------------------|--------|-------|----------|----------|------|---------|
| 4) Vinyl Chloride-d3           | 1.31   | 65    | 63457    | 4.66     | ug/L | 0.00    |
| Spiked Amount                  | 5.000  | Range | 40 - 130 | Recovery | =    | 93.20%  |
| 7) Chloroethane-d5             | 1.58   | 69    | 47285    | 5.47     | ug/L | 0.00    |
| Spiked Amount                  | 5.000  | Range | 65 - 130 | Recovery | =    | 109.40% |
| 11) 1,1-Dichloroethene-d2      | 2.12   | 63    | 100224   | 3.86     | ug/L | 0.00    |
| Spiked Amount                  | 5.000  | Range | 60 - 125 | Recovery | =    | 77.20%  |
| 20) 2-Butanone-d5              | 3.96   | 46    | 193792   | 50.54    | ug/L | 0.00    |
| Spiked Amount                  | 50.000 | Range | 40 - 130 | Recovery | =    | 101.08% |
| 24) Chloroform-d               | 4.40   | 84    | 125055   | 4.77     | ug/L | 0.00    |
| Spiked Amount                  | 5.000  | Range | 70 - 125 | Recovery | =    | 95.40%  |
| 26) 1,2-Dichloroethane-d4      | 5.08   | 65    | 75327    | 5.20     | ug/L | 0.00    |
| Spiked Amount                  | 5.000  | Range | 70 - 130 | Recovery | =    | 104.00% |
| 32) Benzene-d6                 | 5.09   | 84    | 257352   | 5.23     | ug/L | 0.00    |
| Spiked Amount                  | 5.000  | Range | 70 - 125 | Recovery | =    | 104.60% |
| 36) 1,2-Dichloropropane-d6     | 6.12   | 67    | 79459    | 5.09     | ug/L | 0.00    |
| Spiked Amount                  | 5.000  | Range | 60 - 140 | Recovery | =    | 101.80% |
| 41) Toluene-d8                 | 7.36   | 98    | 215875   | 4.93     | ug/L | 0.00    |
| Spiked Amount                  | 5.000  | Range | 70 - 130 | Recovery | =    | 98.60%  |
| 43) trans-1,3-Dichloropropene- | 7.66   | 79    | 23575    | 4.54     | ug/L | 0.00    |
| Spiked Amount                  | 5.000  | Range | 55 - 130 | Recovery | =    | 90.80%  |
| 46) 2-Hexanone-d5              | 8.14   | 63    | 145954   | 48.71    | ug/L | 0.00    |
| Spiked Amount                  | 50.000 | Range | 45 - 130 | Recovery | =    | 97.42%  |
| 57) 1,1,2,2-Tetrachloroethane- | 10.26  | 84    | 55213    | 4.72     | ug/L | 0.00    |
| Spiked Amount                  | 5.000  | Range | 65 - 120 | Recovery | =    | 94.40%  |
| 64) 1,2-Dichlorobenzene-d4     | 11.67  | 152   | 68993    | 5.34     | ug/L | 0.00    |
| Spiked Amount                  | 5.000  | Range | 80 - 120 | Recovery | =    | 106.80% |

#### Target Compounds

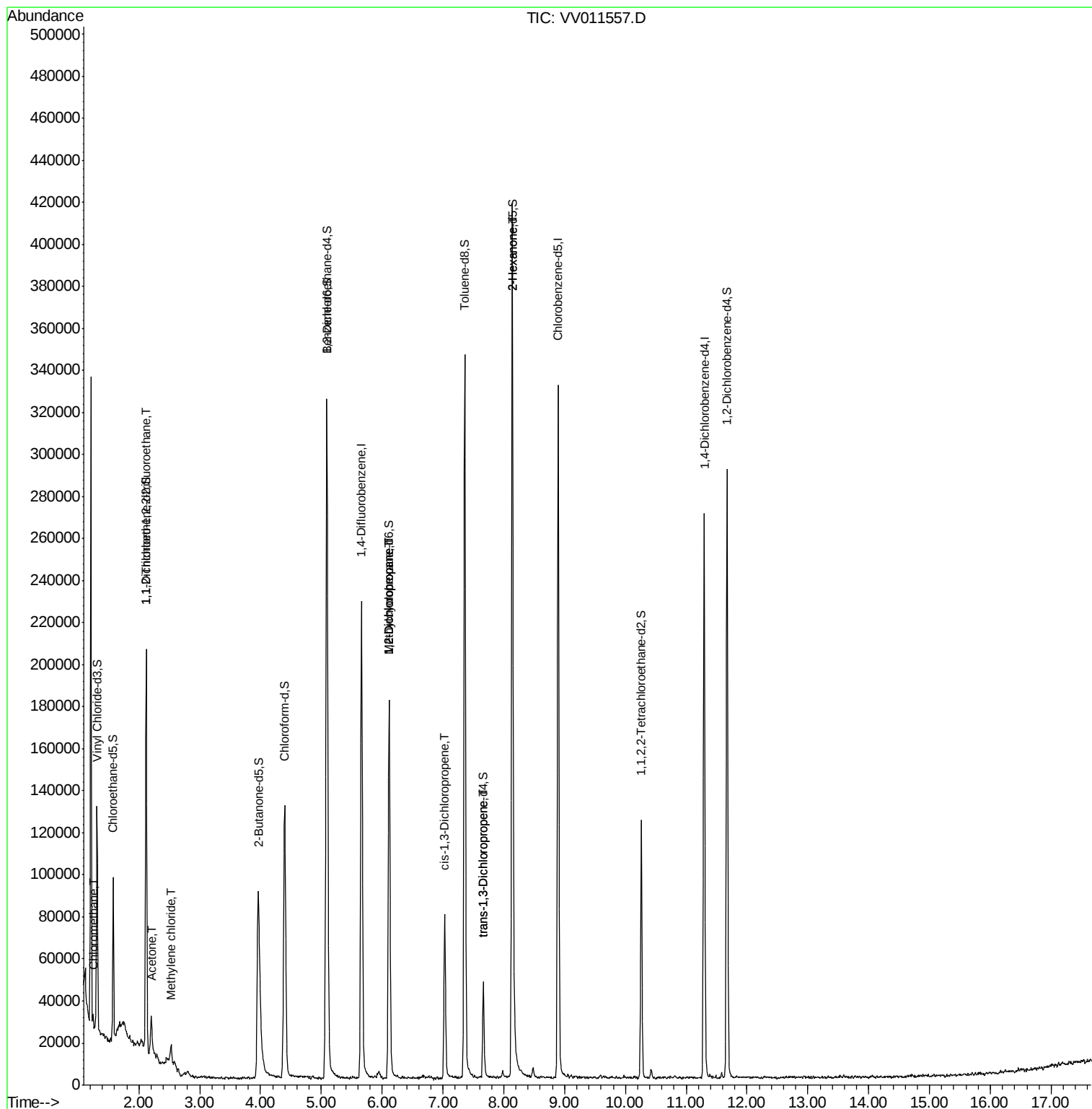
|                                |      |     |       |       | Qvalue |    |
|--------------------------------|------|-----|-------|-------|--------|----|
| 3) Chloromethane               | 1.25 | 50  | 3770  | 0.216 | ug/L   | 99 |
| 10) 1,1,2-Trichloro-1,2,2-trif | 2.12 | 101 | 931   | 0.086 | ug/L # | 23 |
| 13) Acetone                    | 2.22 | 43  | 5378  | 2.081 | ug/L   | 97 |
| 16) Methylene chloride         | 2.53 | 84  | 2975  | 0.233 | ug/L   | 87 |
| 35) Methylcyclohexane          | 6.12 | 83  | 19044 | 0.973 | ug/L # | 15 |
| 37) 1,2-Dichloropropane        | 6.11 | 63  | 9962  | 0.695 | ug/L # | 87 |
| 39) cis-1,3-Dichloropropene    | 7.03 | 75  | 2117  | 0.117 | ug/L # | 57 |
| 44) trans-1,3-Dichloropropene  | 7.67 | 75  | 1308  | 0.095 | ug/L # | 61 |
| 48) 2-Hexanone                 | 8.14 | 43  | 19895 | 2.771 | ug/L # | 71 |

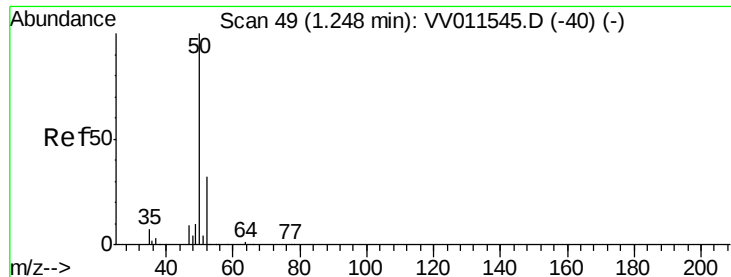
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#3

Chloromethane

Concen: 0.216 ug/L

RT: 1.25 min Scan# 49

Delta R.T. -0.00 min

Lab File: VV011557.D

Acq: 17 Jun 2019 18:12

Instrument :

MSVOA\_V

ClientSampleId :

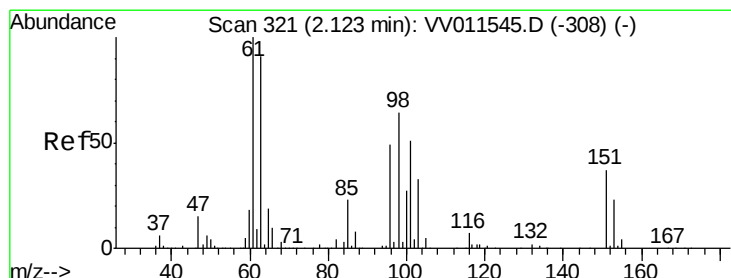
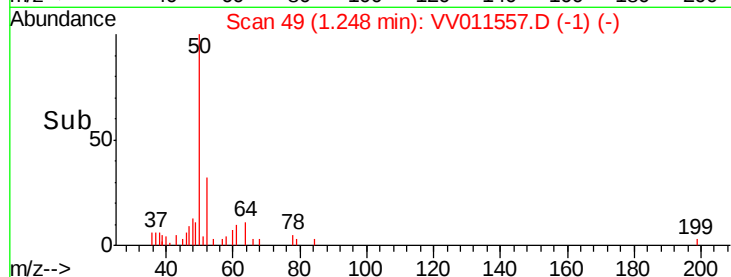
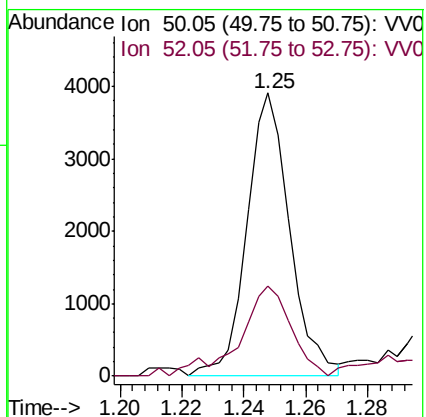
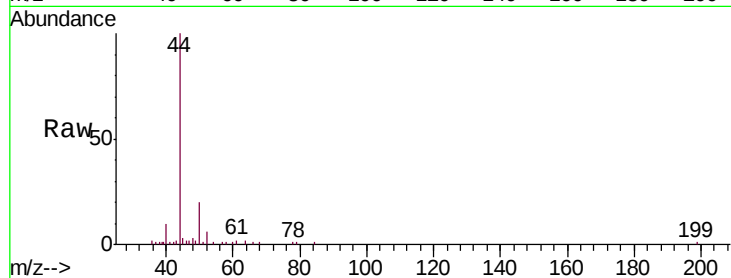
VHBLK01

Tgt Ion: 50 Resp: 3770

Ion Ratio Lower Upper

50 100

52 32.1 22.7 42.1



#10

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

Concen: 0.086 ug/L

RT: 2.12 min Scan# 320

Delta R.T. -0.00 min

Lab File: VV011557.D

Acq: 17 Jun 2019 18:12

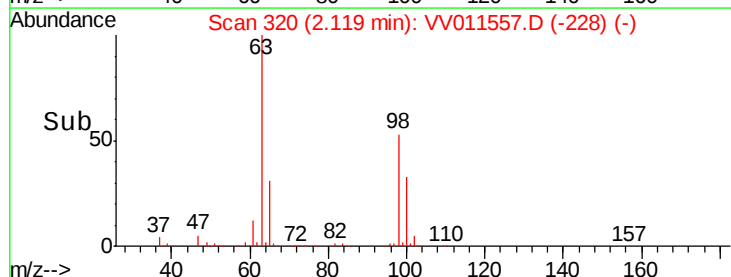
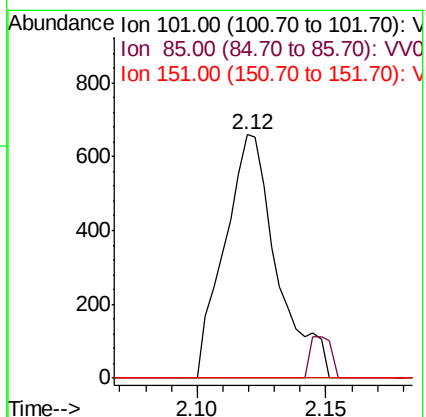
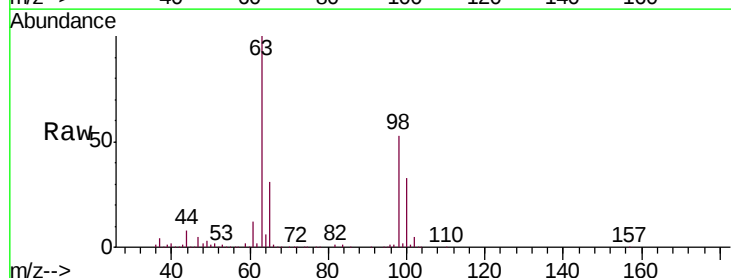
Tgt Ion: 101 Resp: 931

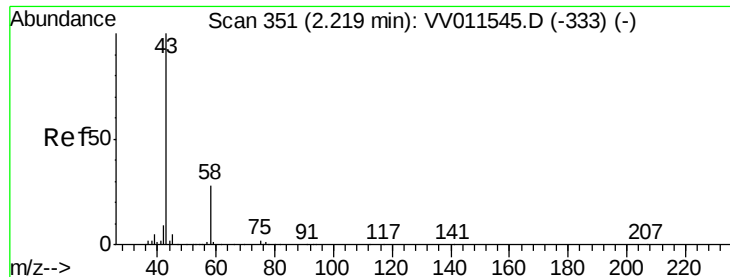
Ion Ratio Lower Upper

101 100

85 6.8 37.3 55.9#

151 0.0 59.4 89.2#





#13

Acetone

Concen: 2.081 ug/L

RT: 2.22 min Scan# 352

Delta R.T. 0.00 min

Lab File: VV011557.D

Acq: 17 Jun 2019 18:12

Instrument :

MSVOA\_V

ClientSampleId :

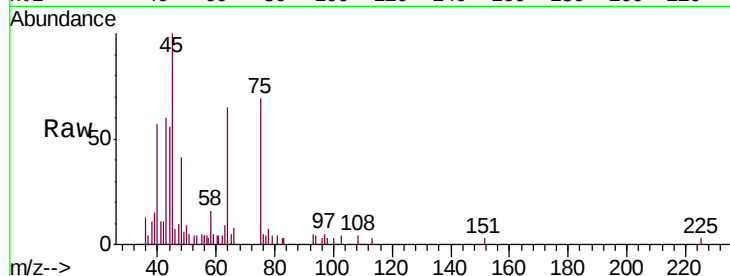
VHBLK01

Tgt Ion: 43 Resp: 5378

Ion Ratio Lower Upper

43 100

58 30.6 0.0 57.8



Abundance Ion 43.05 (42.75 to 43.75): VV0

Ion 58.05 (57.75 to 58.75): VV0

2.22

2000

1500

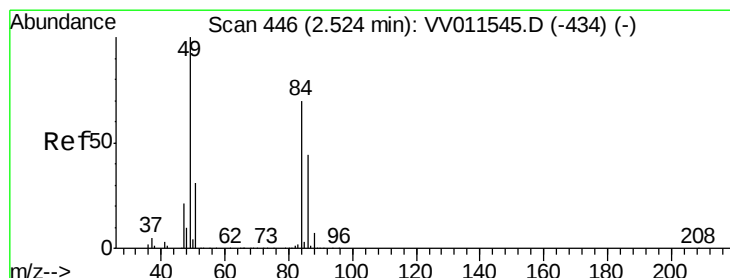
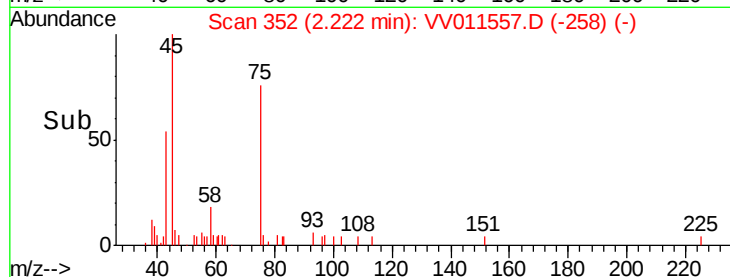
1000

500

0

2.15 2.20 2.25 2.30

Time-->



#16

Methylene chloride

Concen: 0.233 ug/L

RT: 2.53 min Scan# 448

Delta R.T. 0.01 min

Lab File: VV011557.D

Acq: 17 Jun 2019 18:12

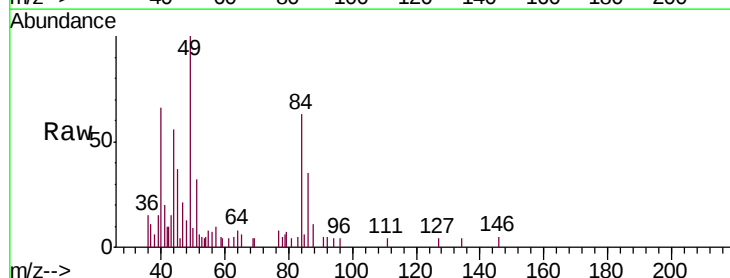
Tgt Ion: 84 Resp: 2975

Ion Ratio Lower Upper

84 100

86 55.5 42.5 78.9

49 159.1 97.7 181.5



Abundance Ion 84.05 (83.75 to 84.75): VV0

Ion 86.00 (85.70 to 86.70): VV0

Ion 49.10 (48.80 to 49.80): VV0

3000

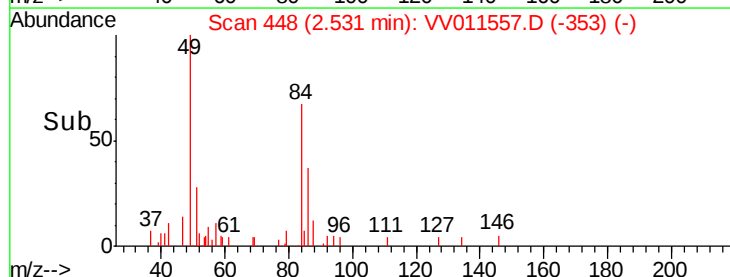
2000

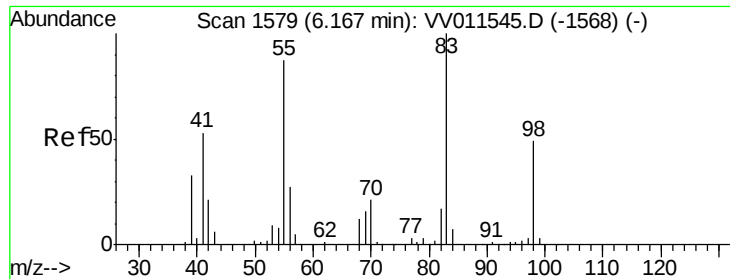
1000

0

2.50 2.55

Time-->

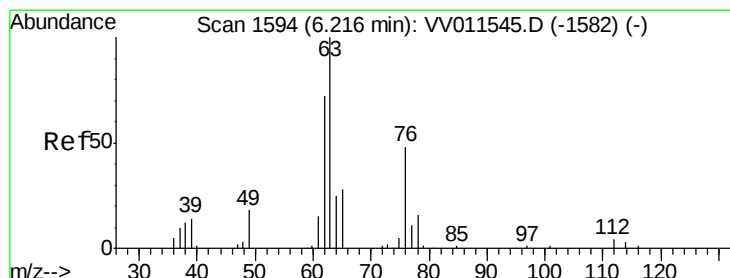
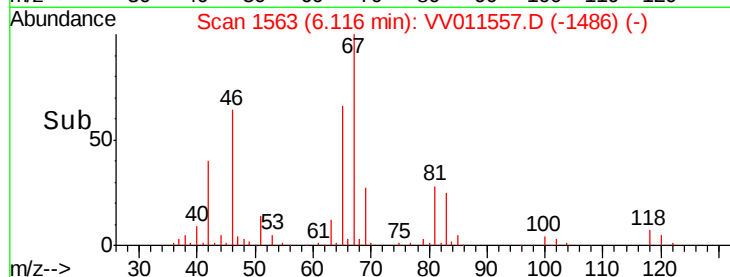
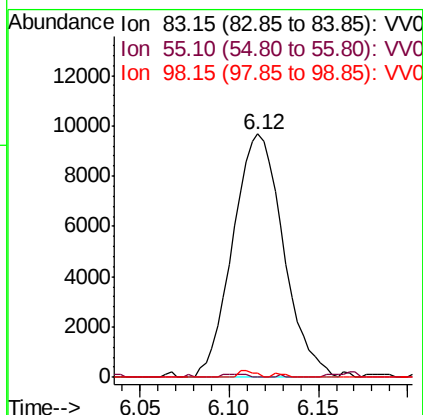
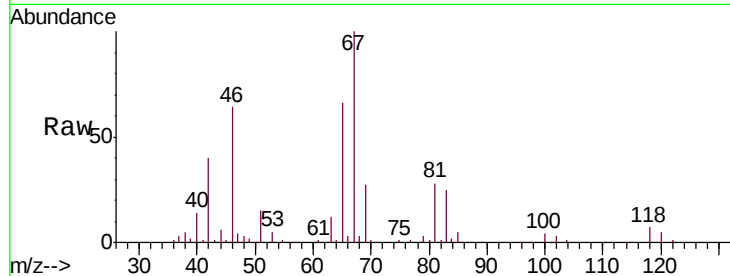




#35  
Methylcyclohexane  
Concen: 0.973 ug/L  
RT: 6.12 min Scan# 1563  
Delta R.T. -0.05 min  
Lab File: VV011557.D  
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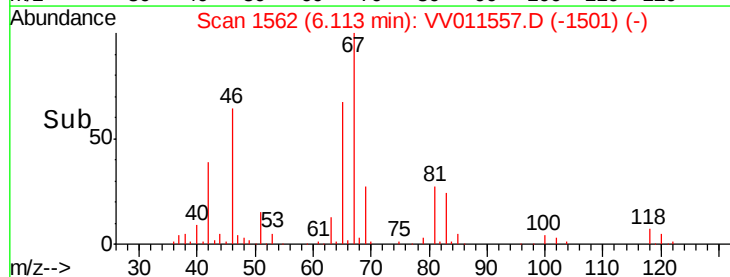
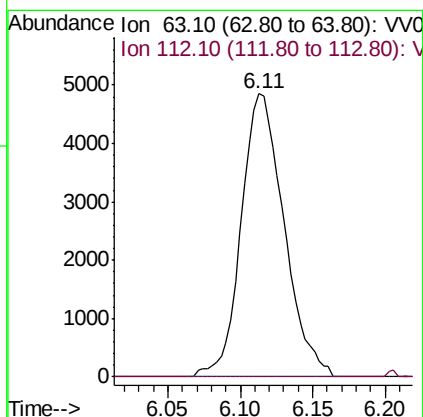
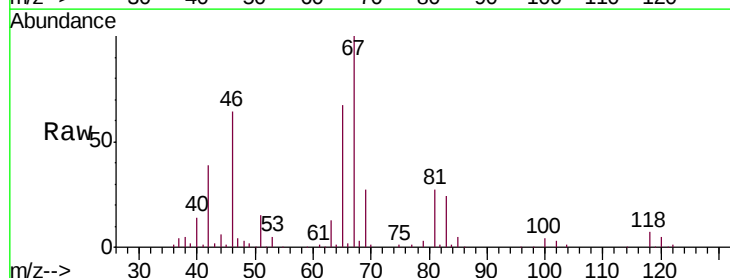
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VHBLK01

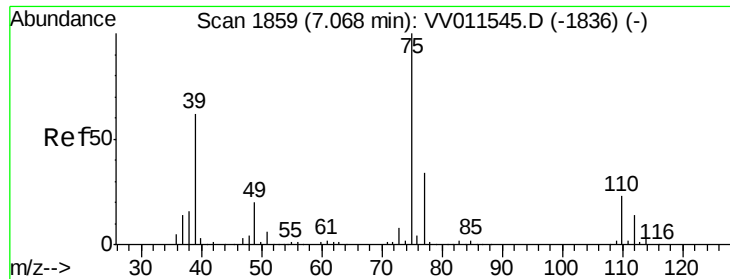
Tgt Ion: 83 Resp: 19044  
Ion Ratio Lower Upper  
83 100  
55 0.1 67.9 101.9#  
98 0.4 39.6 59.4#



#37  
1,2-Dichloropropane  
Concen: 0.695 ug/L  
RT: 6.11 min Scan# 1562  
Delta R.T. -0.10 min  
Lab File: VV011557.D  
Acq: 17 Jun 2019 18:12

Tgt Ion: 63 Resp: 9962  
Ion Ratio Lower Upper  
63 100  
112 0.4 3.7 5.5#

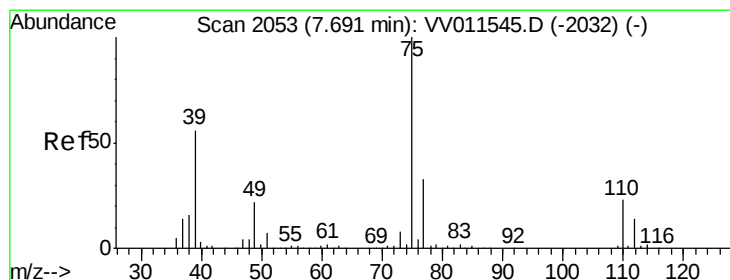
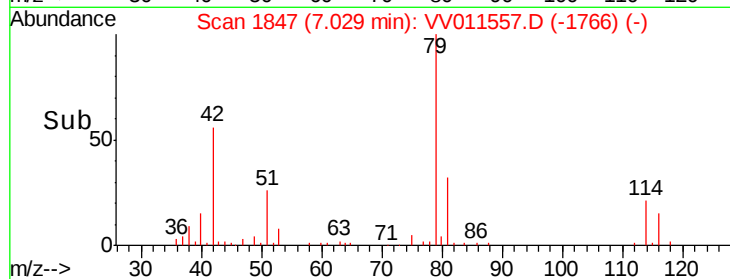
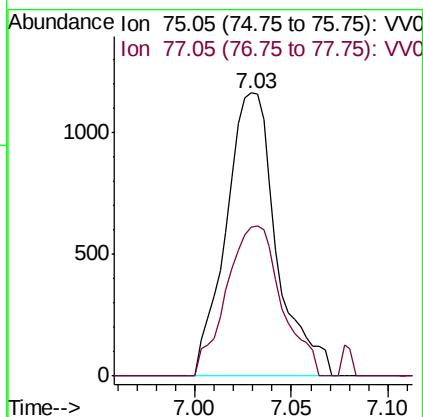
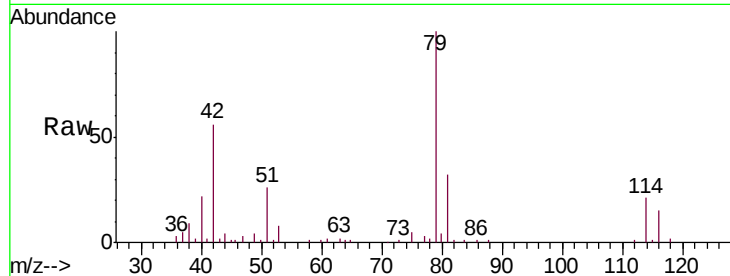




#39  
 cis-1,3-Dichloropropene  
 Concen: 0.117 ug/L  
 RT: 7.03 min Scan# 1847  
 Delta R.T. -0.04 min  
 Lab File: VV011557.D  
 Acq: 17 Jun 2019 18:12

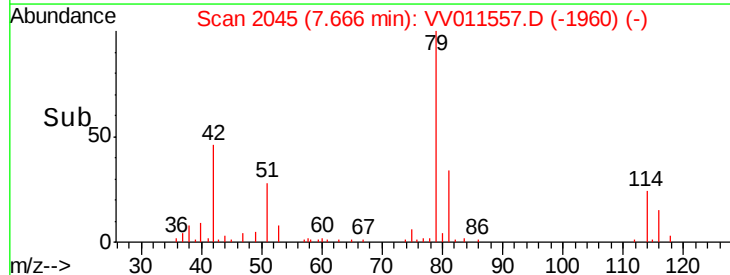
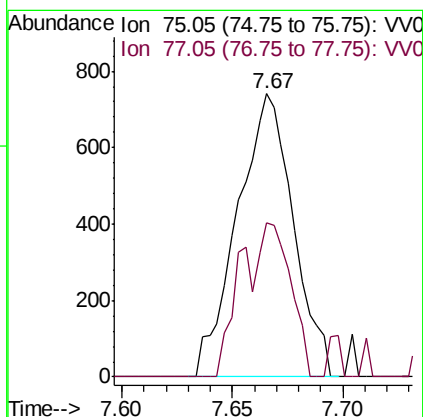
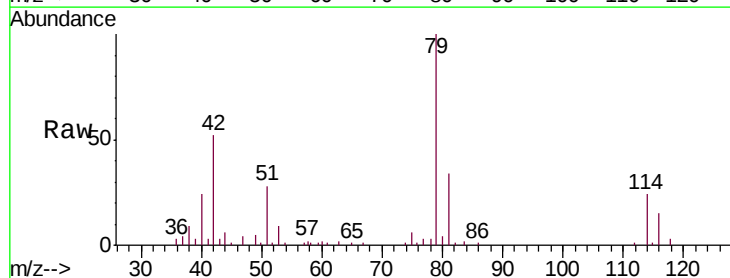
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 VHBLK01

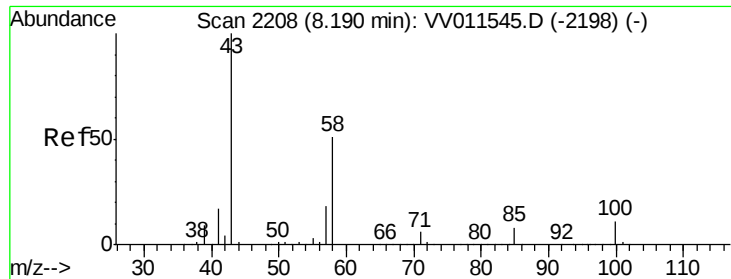
Tgt Ion: 75 Resp: 2117  
 Ion Ratio Lower Upper  
 75 100  
 77 52.7 20.6 38.4#



#44  
 trans-1,3-Dichloropropene  
 Concen: 0.095 ug/L  
 RT: 7.67 min Scan# 2045  
 Delta R.T. -0.03 min  
 Lab File: VV011557.D  
 Acq: 17 Jun 2019 18:12

Tgt Ion: 75 Resp: 1308  
 Ion Ratio Lower Upper  
 75 100  
 77 54.5 22.8 42.4#





#48  
 2-Hexanone  
 Concen: 2.771 ug/L  
 RT: 8.14 min Scan# 2192  
 Delta R.T. -0.05 min  
 Lab File: VV011557.D  
 Acq: 17 Jun 2019 18:12

Instrument :  
 MSVOA\_V  
 ClientSampleId :  
 VHBLK01

|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 43    | Resp: | 19895 |
| Ion      | Ratio | Lower | Upper |
| 43       | 100   |       |       |
| 58       | 27.8  | 40.6  | 60.8# |
| 57       | 25.6  | 14.2  | 21.4# |
| 100      | 1.2   | 8.6   | 12.8# |

