

Data File : VV011527.D  
Acq On : 15 Jun 2019 09:26  
Operator : SY/MD  
Sample : K3314-19  
Misc : 25ML/MSVOA\_V/WATER  
ALS Vial : 1 Sample Multiplier: 1

Instrument :  
MSVOA\_V  
ClientSampleId :  
COM51

Quant Time: Jun 17 04:34:50 2019  
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_V\METHOD\SOMVTR061419WMA.M  
Quant Title : TRACE VOA SOM01.0  
QLast Update : Mon Jun 17 04:30:15 2019  
Response via : Initial Calibration

| Internal Standards         | R.T.  | QIon | Response | Conc | Units | Dev(Min) |
|----------------------------|-------|------|----------|------|-------|----------|
| 1) 1,4-Difluorobenzene     | 5.66  | 114  | 181464   | 5.00 | ug/L  | 0.00     |
| 28) Chlorobenzene-d5       | 8.89  | 117  | 165251   | 5.00 | ug/L  | 0.00     |
| 60) 1,4-Dichlorobenzene-d4 | 11.30 | 152  | 66176    | 5.00 | ug/L  | 0.00     |

#### System Monitoring Compounds

|                                |        |       |          |          |      |        |
|--------------------------------|--------|-------|----------|----------|------|--------|
| 4) Vinyl Chloride-d3           | 1.32   | 65    | 59540    | 4.35     | ug/L | 0.00   |
| Spiked Amount                  | 5.000  | Range | 40 - 130 | Recovery | =    | 87.00% |
| 7) Chloroethane-d5             | 1.56   | 69    | 41060    | 4.73     | ug/L | -0.01  |
| Spiked Amount                  | 5.000  | Range | 65 - 130 | Recovery | =    | 94.60% |
| 11) 1,1-Dichloroethene-d2      | 2.12   | 63    | 87108    | 3.34     | ug/L | 0.00   |
| Spiked Amount                  | 5.000  | Range | 60 - 125 | Recovery | =    | 66.80% |
| 20) 2-Butanone-d5              | 3.94   | 46    | 173113   | 44.90    | ug/L | 0.00   |
| Spiked Amount                  | 50.000 | Range | 40 - 130 | Recovery | =    | 89.80% |
| 24) Chloroform-d               | 4.40   | 84    | 113819   | 4.32     | ug/L | 0.00   |
| Spiked Amount                  | 5.000  | Range | 70 - 125 | Recovery | =    | 86.40% |
| 26) 1,2-Dichloroethane-d4      | 5.08   | 65    | 68834    | 4.73     | ug/L | 0.00   |
| Spiked Amount                  | 5.000  | Range | 70 - 130 | Recovery | =    | 94.60% |
| 32) Benzene-d6                 | 5.09   | 84    | 230643   | 4.68     | ug/L | 0.00   |
| Spiked Amount                  | 5.000  | Range | 70 - 125 | Recovery | =    | 93.60% |
| 36) 1,2-Dichloropropane-d6     | 6.11   | 67    | 71327    | 4.56     | ug/L | 0.00   |
| Spiked Amount                  | 5.000  | Range | 60 - 140 | Recovery | =    | 91.20% |
| 41) Toluene-d8                 | 7.36   | 98    | 198958   | 4.53     | ug/L | 0.00   |
| Spiked Amount                  | 5.000  | Range | 70 - 130 | Recovery | =    | 90.60% |
| 43) trans-1,3-Dichloropropene- | 7.66   | 79    | 19621    | 3.77     | ug/L | 0.00   |
| Spiked Amount                  | 5.000  | Range | 55 - 130 | Recovery | =    | 75.40% |
| 46) 2-Hexanone-d5              | 8.14   | 63    | 130713   | 43.50    | ug/L | 0.00   |
| Spiked Amount                  | 50.000 | Range | 45 - 130 | Recovery | =    | 87.00% |
| 57) 1,1,2,2-Tetrachloroethane- | 10.26  | 84    | 48491    | 4.13     | ug/L | 0.00   |
| Spiked Amount                  | 5.000  | Range | 65 - 120 | Recovery | =    | 82.60% |
| 64) 1,2-Dichlorobenzene-d4     | 11.67  | 152   | 64513    | 4.89     | ug/L | 0.00   |
| Spiked Amount                  | 5.000  | Range | 80 - 120 | Recovery | =    | 97.80% |

#### Target Compounds

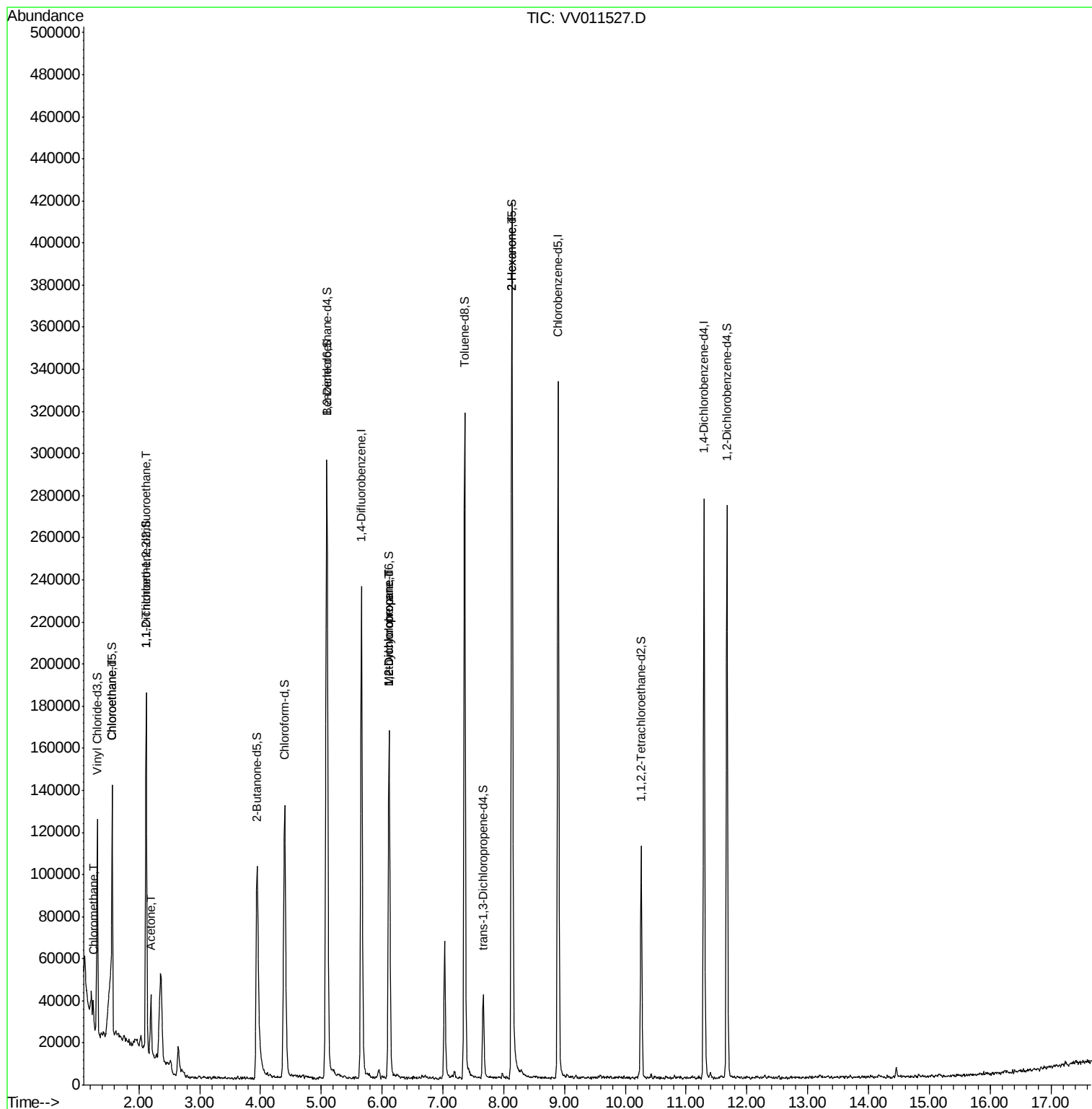
|                                |      |     |       |              | Qvalue |
|--------------------------------|------|-----|-------|--------------|--------|
| 3) Chloromethane               | 1.25 | 50  | 5631  | 0.321 ug/L   | 97     |
| 8) Chloroethane                | 1.56 | 64  | 1278  | 0.152 ug/L # | 67     |
| 10) 1,1,2-Trichloro-1,2,2-trif | 2.12 | 101 | 941   | 0.086 ug/L # | 23     |
| 13) Acetone                    | 2.20 | 43  | 6932  | 2.668 ug/L   | 100    |
| 35) Methylcyclohexane          | 6.12 | 83  | 17884 | 0.911 ug/L # | 16     |
| 37) 1,2-Dichloropropane        | 6.12 | 63  | 9102  | 0.634 ug/L # | 86     |
| 48) 2-Hexanone                 | 8.14 | 43  | 19098 | 2.653 ug/L # | 72     |

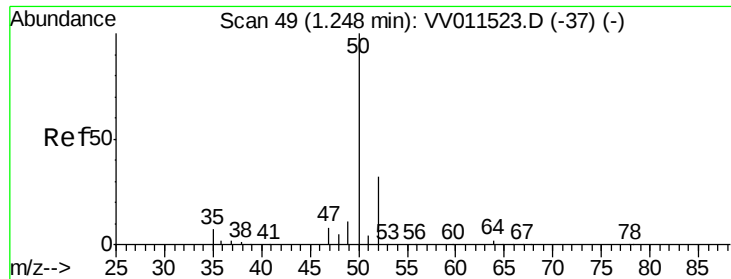
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#3

Chloromethane

Concen: 0.321 ug/L

RT: 1.25 min Scan# 49

Delta R.T. 0.00 min

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Acq: 15 Jun 2019 09:26

Instrument :

MSVOA\_V

ClientSampleId :

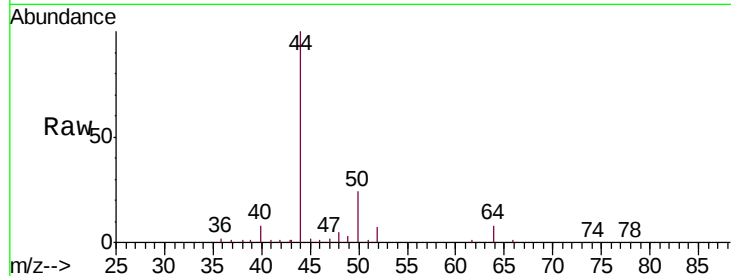
C0M51

Tgt Ion: 50 Resp: 5631

Ion Ratio Lower Upper

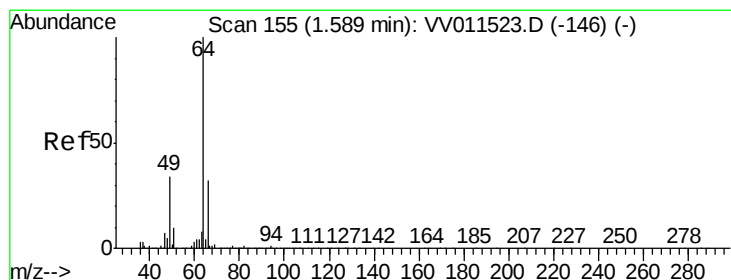
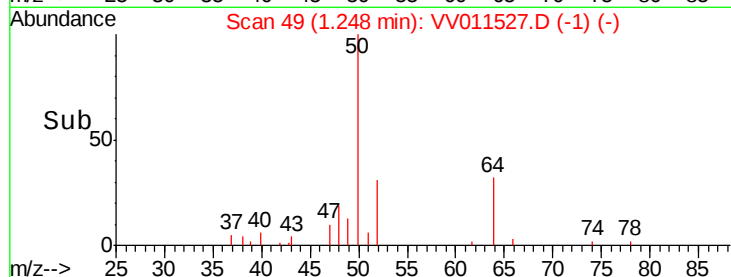
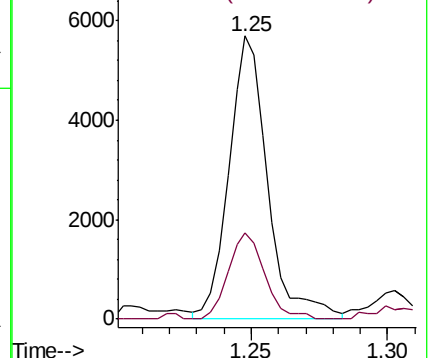
50 100

52 30.7 22.7 42.1



Abundance Ion 50.05 (49.75 to 50.75): VV0

Ion 52.05 (51.75 to 52.75): VV0



#8

Chloroethane

Concen: 0.152 ug/L

RT: 1.56 min Scan# 147

Delta R.T. -0.03 min

Lab File: VV011527.D

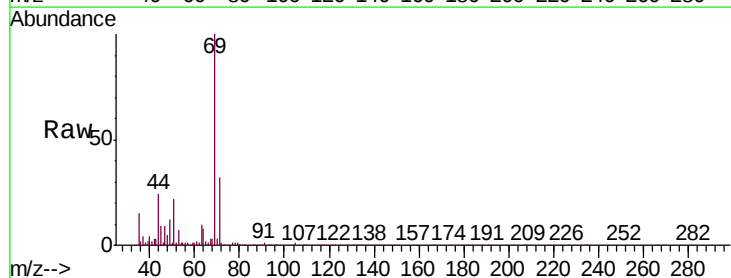
Acq: 15 Jun 2019 09:26

Tgt Ion: 64 Resp: 1278

Ion Ratio Lower Upper

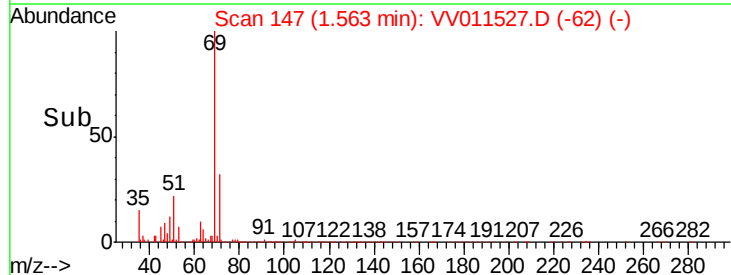
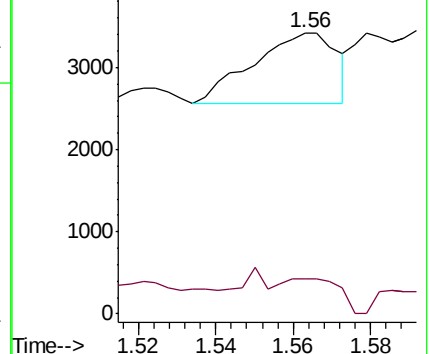
64 100

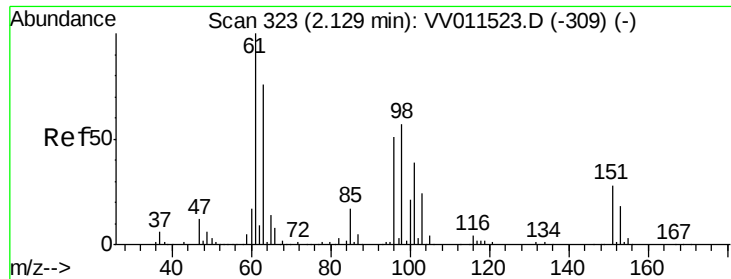
66 12.6 21.6 40.2#



Abundance Ion 64.10 (63.80 to 64.80): VV0

Ion 66.05 (65.75 to 66.75): VV0





#10

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

Concen: 0.086 ug/L

RT: 2.12 min Scan# 320

Delta R.T. -0.01 min

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Instrument :

MSVOA\_V

ClientSampleId :

C0M51

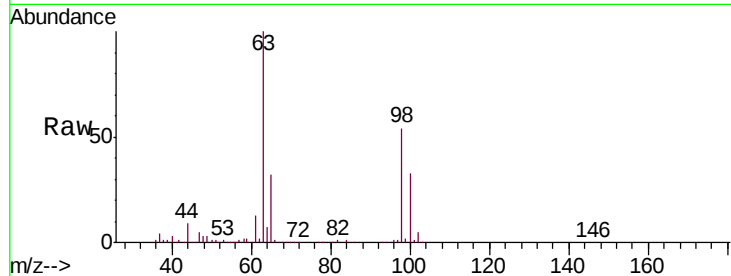
Tgt Ion:101 Resp: 941

Ion Ratio Lower Upper

101 100

85 7.4 37.3 55.9#

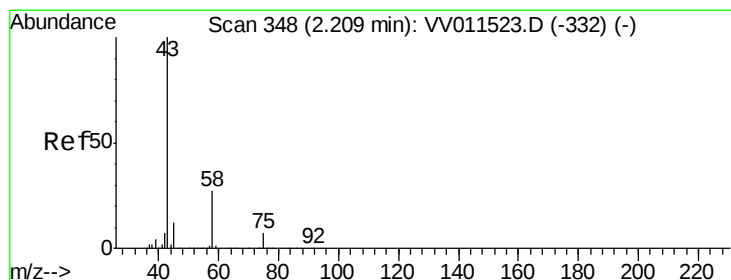
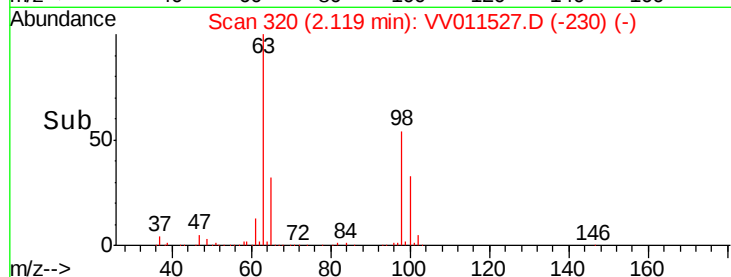
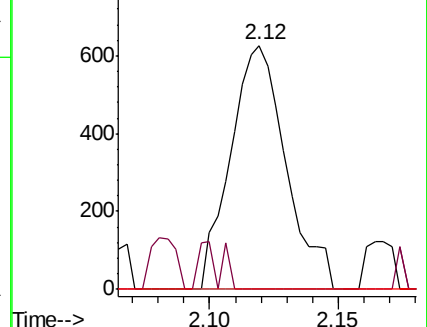
151 0.0 59.4 89.2#



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



#13

Acetone

Concen: 2.668 ug/L

RT: 2.20 min Scan# 345

Delta R.T. -0.01 min

Lab File: VV011527.D

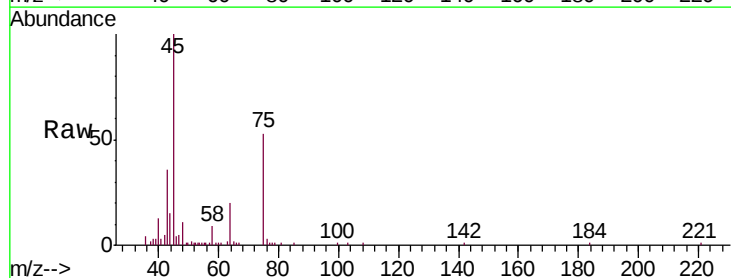
Acq: 15 Jun 2019 09:26

Tgt Ion: 43 Resp: 6932

Ion Ratio Lower Upper

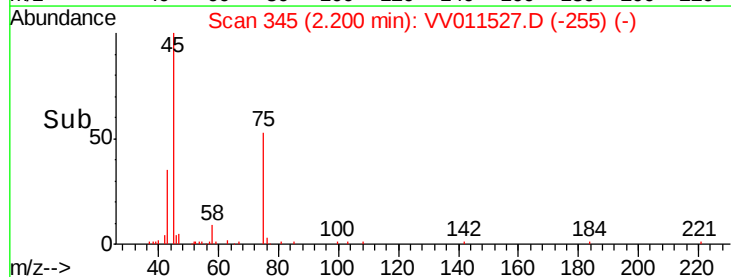
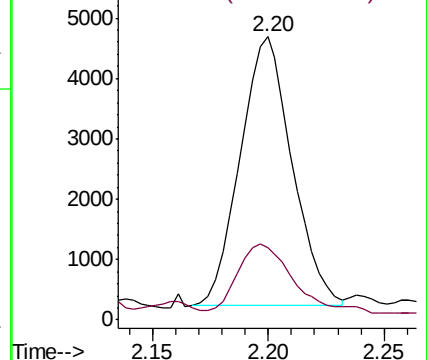
43 100

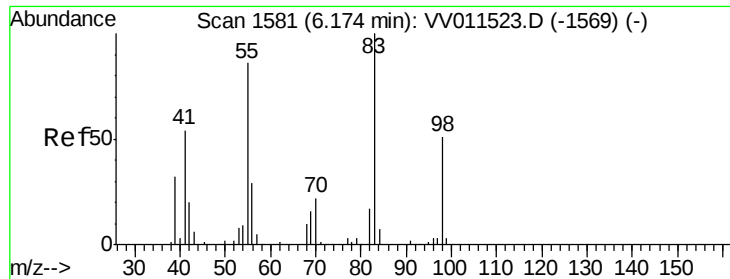
58 29.0 0.0 57.8



Abundance Ion 43.05 (42.75 to 43.75): VV0

Ion 58.05 (57.75 to 58.75): VV0

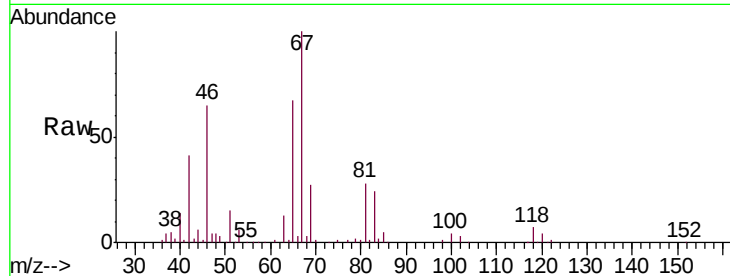




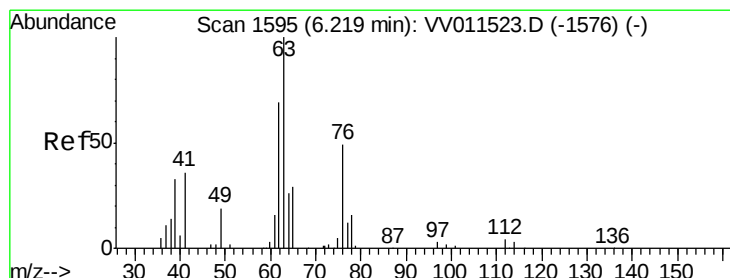
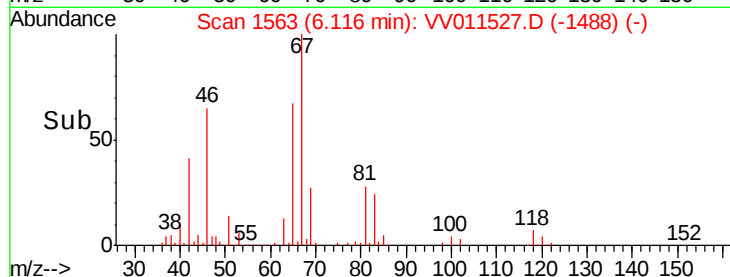
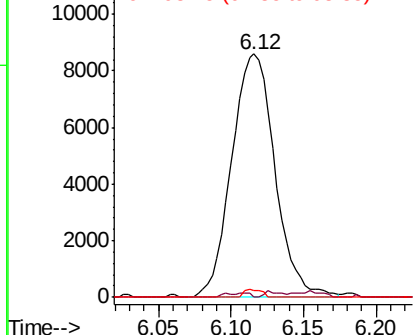
#35  
Methylcyclohexane  
Concen: 0.911 ug/L  
RT: 6.12 min Scan# 1563  
Delta R.T. -0.06 min  
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Tgt Ion: 83 Resp: 17884  
Ion Ratio Lower Upper  
83 100  
55 0.6 67.9 101.9#  
98 1.3 39.6 59.4#

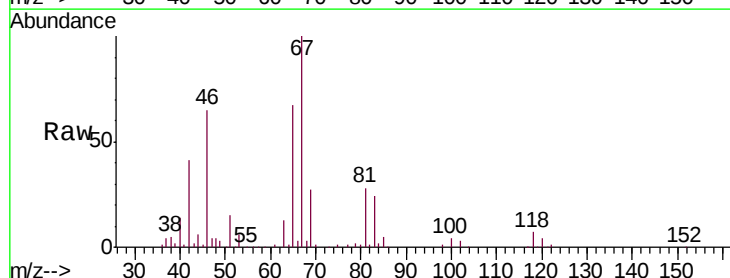


Abundance Ion 83.15 (82.85 to 83.85): VV0  
Ion 55.10 (54.80 to 55.80): VV0  
Ion 98.15 (97.85 to 98.85): VV0

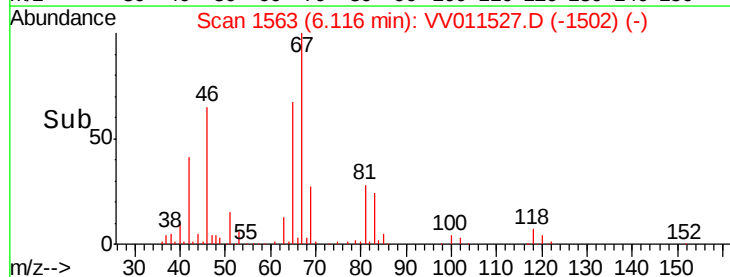
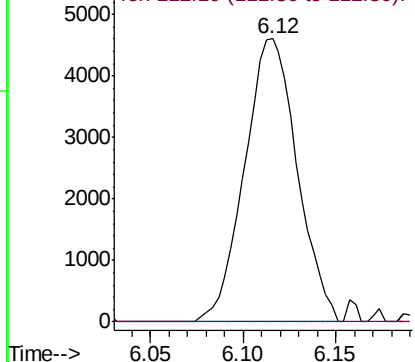


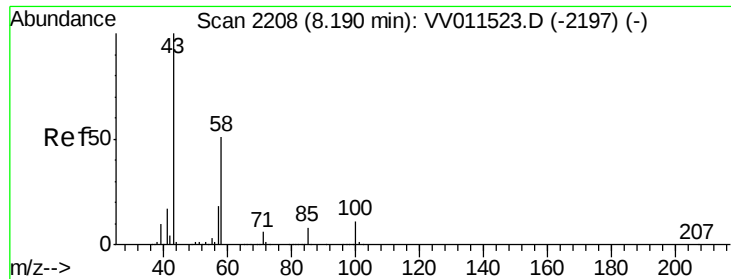
#37  
1,2-Dichloropropane  
Concen: 0.634 ug/L  
RT: 6.12 min Scan# 1563  
Delta R.T. -0.10 min  
Lab File: VV011527.D  
Acq: 15 Jun 2019 09:26

Tgt Ion: 63 Resp: 9102  
Ion Ratio Lower Upper  
63 100  
112 0.0 3.7 5.5#



Abundance Ion 63.10 (62.80 to 63.80): VV0  
Ion 112.10 (111.80 to 112.80): V





#48  
 2-Hexanone  
 Concen: 2.653 ug/L  
 RT: 8.14 min Scan# 2191  
 Delta R.T. -0.05 min  
 Lab File: VV011527.D  
 Acq: 15 Jun 2019 09:26

Instrument :  
 MSVOA\_V  
 ClientSampleId :  
 COM51

|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 43    | Resp: | 19098 |
| Ion      | Ratio | Lower | Upper |
| 43       | 100   |       |       |
| 58       | 27.1  | 40.6  | 60.8# |
| 57       | 23.7  | 14.2  | 21.4# |
| 100      | 0.9   | 8.6   | 12.8# |

