

Data File : VV011488.D  
Acq On : 14 Jun 2019 05:24  
Operator : SY/MD  
Sample : K3313-13  
Misc : 25ML/MSVOA\_V/WATER  
ALS Vial : 1 Sample Multiplier: 1

Instrument :  
MSVOA\_V  
ClientSampleId :  
COLZ3

Quant Time: Jun 14 06:11:30 2019  
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_V\METHOD\SOMVTR060419WMA.M  
Quant Title : TRACE VOA SOM01.0  
QLast Update : Fri Jun 14 06:06:48 2019  
Response via : Initial Calibration

| Internal Standards         | R.T.  | QIon | Response | Conc | Units | Dev(Min) |
|----------------------------|-------|------|----------|------|-------|----------|
| 1) 1,4-Difluorobenzene     | 5.66  | 114  | 133026   | 5.00 | ug/L  | 0.00     |
| 28) Chlorobenzene-d5       | 8.90  | 117  | 119578   | 5.00 | ug/L  | 0.00     |
| 60) 1,4-Dichlorobenzene-d4 | 11.30 | 152  | 43811    | 5.00 | ug/L  | 0.00     |

#### System Monitoring Compounds

|                                |        |       |          |          |      |         |
|--------------------------------|--------|-------|----------|----------|------|---------|
| 4) Vinyl Chloride-d3           | 1.32   | 65    | 51531    | 5.11     | ug/L | 0.00    |
| Spiked Amount                  | 5.000  | Range | 40 - 130 | Recovery | =    | 102.20% |
| 7) Chloroethane-d5             | 1.58   | 69    | 41666    | 4.97     | ug/L | 0.00    |
| Spiked Amount                  | 5.000  | Range | 65 - 130 | Recovery | =    | 99.40%  |
| 11) 1,1-Dichloroethene-d2      | 2.12   | 63    | 84106    | 4.18     | ug/L | 0.00    |
| Spiked Amount                  | 5.000  | Range | 60 - 125 | Recovery | =    | 83.60%  |
| 20) 2-Butanone-d5              | 3.97   | 46    | 119670   | 52.73    | ug/L | 0.00    |
| Spiked Amount                  | 50.000 | Range | 40 - 130 | Recovery | =    | 105.46% |
| 24) Chloroform-d               | 4.40   | 84    | 93536    | 5.27     | ug/L | 0.00    |
| Spiked Amount                  | 5.000  | Range | 70 - 125 | Recovery | =    | 105.40% |
| 26) 1,2-Dichloroethane-d4      | 5.08   | 65    | 54024    | 5.63     | ug/L | 0.00    |
| Spiked Amount                  | 5.000  | Range | 70 - 130 | Recovery | =    | 112.60% |
| 32) Benzene-d6                 | 5.10   | 84    | 188709   | 5.28     | ug/L | 0.00    |
| Spiked Amount                  | 5.000  | Range | 70 - 125 | Recovery | =    | 105.60% |
| 36) 1,2-Dichloropropane-d6     | 6.12   | 67    | 56958    | 5.17     | ug/L | 0.00    |
| Spiked Amount                  | 5.000  | Range | 60 - 140 | Recovery | =    | 103.40% |
| 41) Toluene-d8                 | 7.36   | 98    | 156294   | 4.76     | ug/L | 0.00    |
| Spiked Amount                  | 5.000  | Range | 70 - 130 | Recovery | =    | 95.20%  |
| 43) trans-1,3-Dichloropropene- | 7.67   | 79    | 15436    | 3.67     | ug/L | 0.00    |
| Spiked Amount                  | 5.000  | Range | 55 - 130 | Recovery | =    | 73.40%  |
| 46) 2-Hexanone-d5              | 8.14   | 63    | 91124    | 51.35    | ug/L | 0.00    |
| Spiked Amount                  | 50.000 | Range | 45 - 130 | Recovery | =    | 102.70% |
| 57) 1,1,2,2-Tetrachloroethane- | 10.26  | 84    | 37049    | 4.93     | ug/L | 0.00    |
| Spiked Amount                  | 5.000  | Range | 65 - 120 | Recovery | =    | 98.60%  |
| 64) 1,2-Dichlorobenzene-d4     | 11.67  | 152   | 46614    | 5.39     | ug/L | 0.00    |
| Spiked Amount                  | 5.000  | Range | 80 - 120 | Recovery | =    | 107.80% |

#### Target Compounds

|                                |      |     |       |              | Qvalue |
|--------------------------------|------|-----|-------|--------------|--------|
| 3) Chloromethane               | 1.25 | 50  | 4030  | 0.318 ug/L   | 100    |
| 10) 1,1,2-Trichloro-1,2,2-trif | 2.13 | 101 | 769   | 0.089 ug/L # | 29     |
| 12) 1,1-Dichloroethene         | 2.14 | 96  | 2678  | 0.320 ug/L # | 1      |
| 13) Acetone                    | 2.23 | 43  | 4265  | 2.803 ug/L   | 66     |
| 15) Methyl Acetate             | 2.46 | 43  | 901   | 0.223 ug/L # | 89     |
| 25) Chloroform                 | 4.42 | 83  | 3195  | 0.167 ug/L   | 99     |
| 35) Methylcyclohexane          | 6.12 | 83  | 13900 | 0.855 ug/L # | 16     |
| 39) cis-1,3-Dichloropropene    | 7.03 | 75  | 1748  | 0.126 ug/L # | 61     |
| 44) trans-1,3-Dichloropropene  | 7.67 | 75  | 1267  | 0.120 ug/L   | 93     |
| 48) 2-Hexanone                 | 8.14 | 43  | 13457 | 3.199 ug/L # | 74     |

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

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```
ALS Vial      : 1      Sample Multiplier: 1
```

**Instrument :**  
MSVOA\_V  
**ClientSampleId :**  
C0LZ3

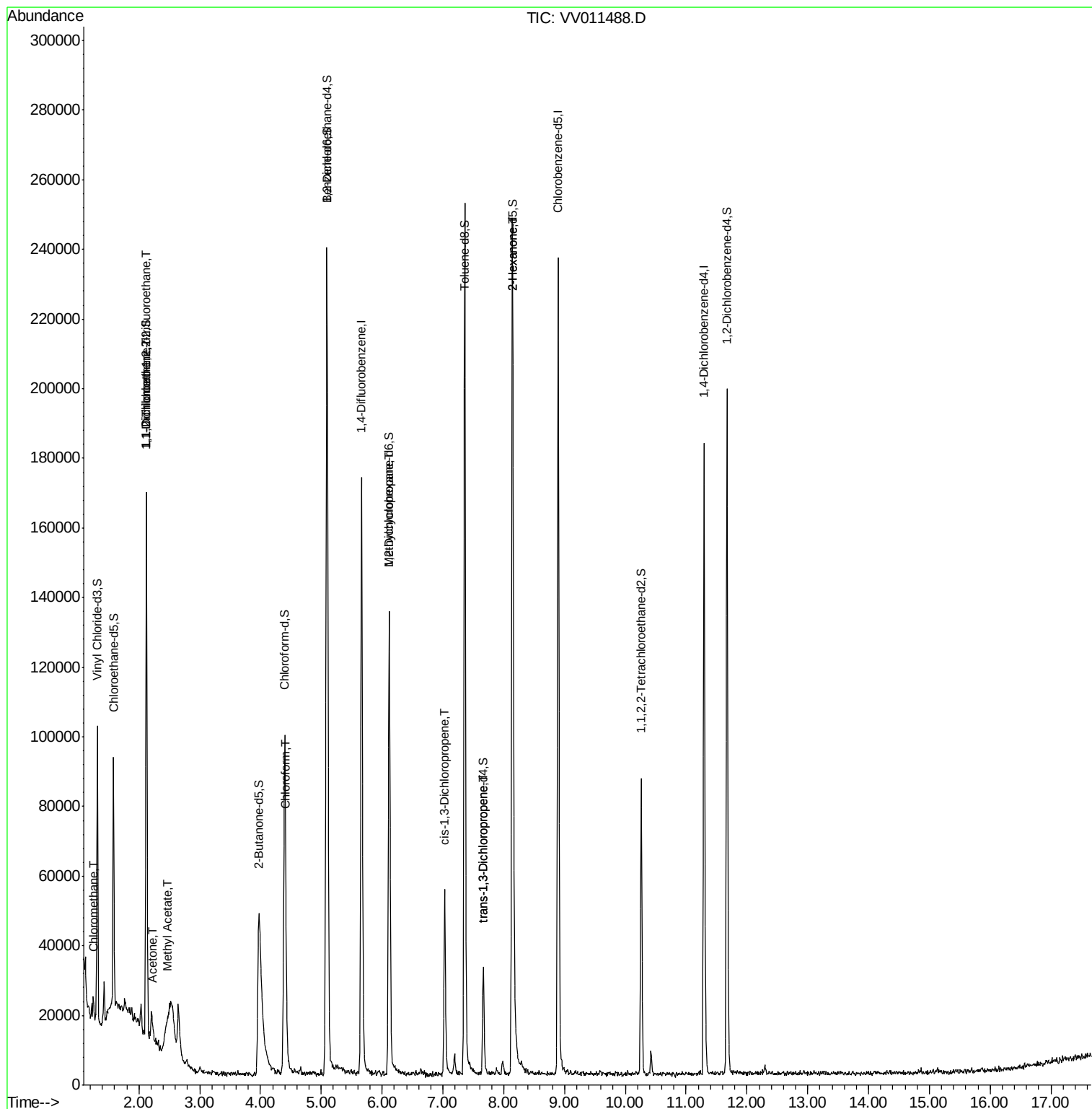
Quant Time: Jun 14 06:11:30 2019

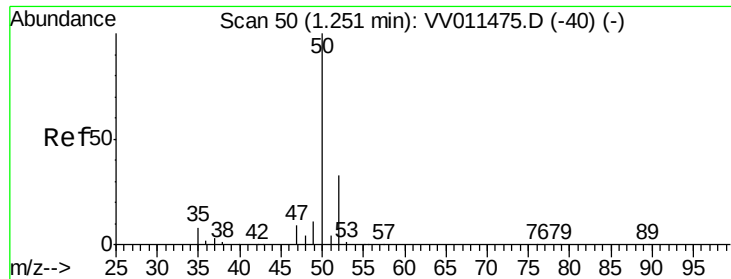
Quant Method : Z:\V0ASRV\HPCHEM1\MSV0A\_V\METHOD\SOMVTR060419WMA.M

Quant Title : TRACE VOA SOM01.0

QLast Update : Fri Jun 14 06:06:48 2019

Response via : Initial Calibration





#3

Chloromethane

Concen: 0.318 ug/L

RT: 1.25 min Scan# 50

Delta R.T. -0.00 min

Lab File: VV011488.D

Acq: 14 Jun 2019 05:24

Instrument :

MSVOA\_V

ClientSampleId :

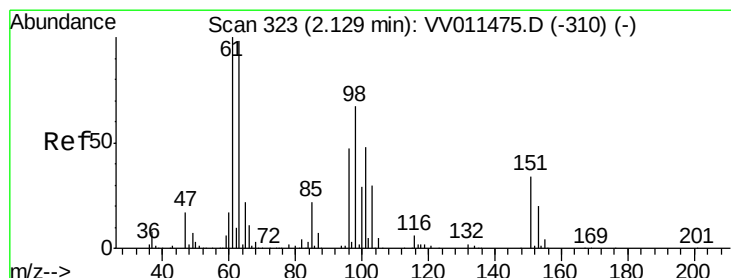
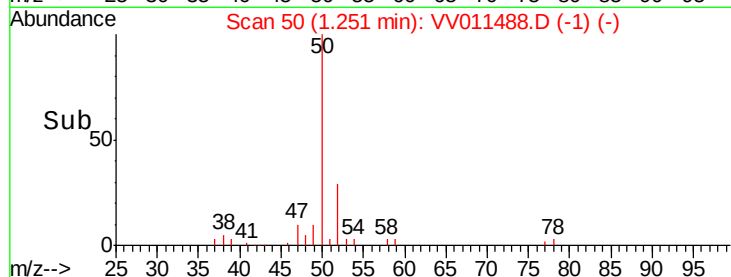
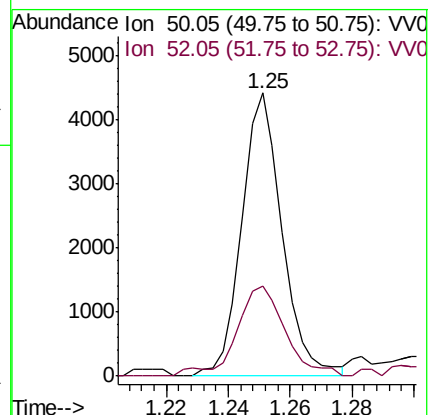
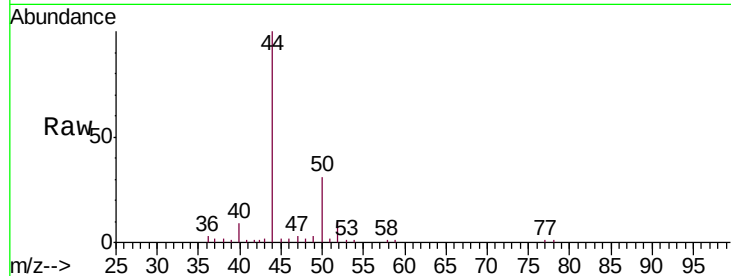
C0LZ3

Tgt Ion: 50 Resp: 4030

Ion Ratio Lower Upper

50 100

52 31.7 22.3 41.5



#10

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

Concen: 0.089 ug/L

RT: 2.13 min Scan# 322

Delta R.T. -0.00 min

Lab File: VV011488.D

Acq: 14 Jun 2019 05:24

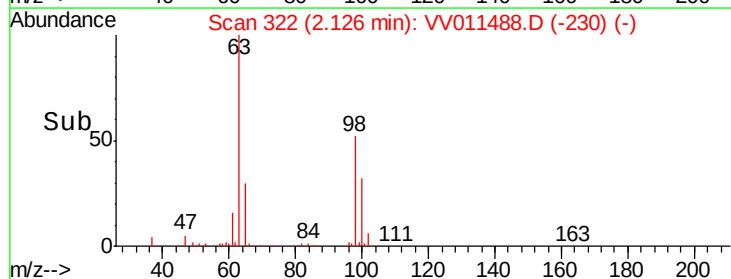
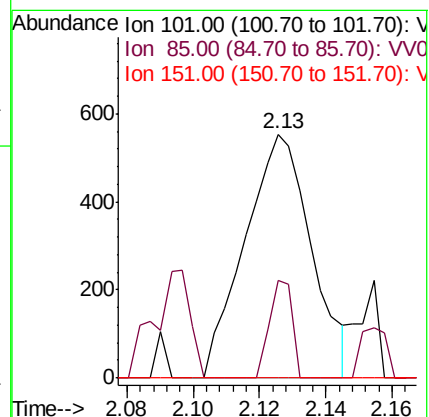
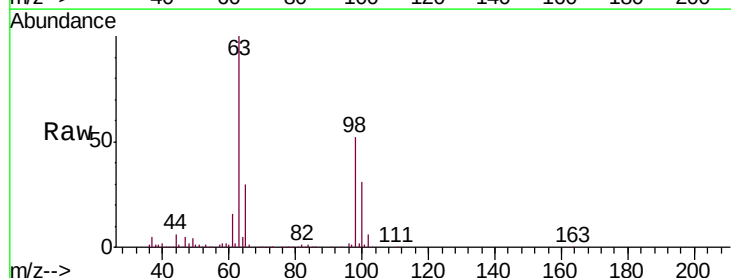
Tgt Ion: 101 Resp: 769

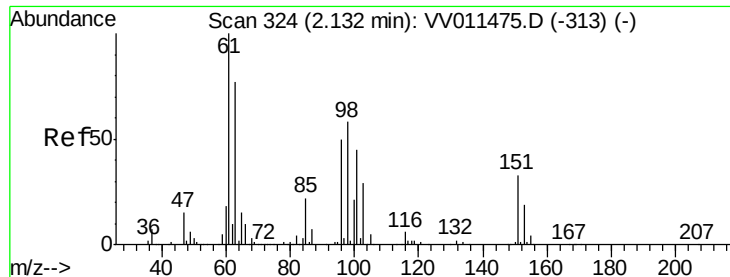
Ion Ratio Lower Upper

101 100

85 13.8 35.5 53.3#

151 0.0 56.9 85.3#





#12

1,1-Dichloroethene

Concen: 0.320 ug/L

RT: 2.14 min Scan# 325

Delta R.T. 0.00 min

Lab File: VV011488.D

Acq: 14 Jun 2019 05:24

Instrument :

MSVOA\_V

ClientSampleId :

C0LZ3

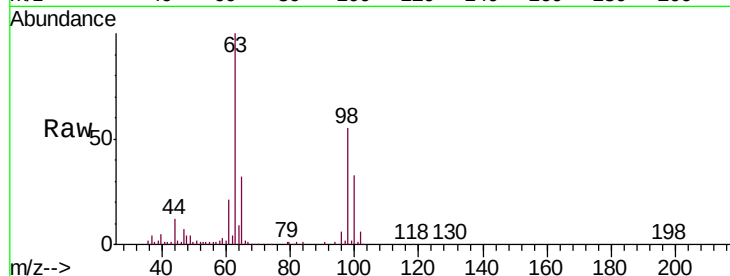
Tgt Ion: 96 Resp: 2678

Ion Ratio Lower Upper

96 100

61 332.3 139.8 259.6#

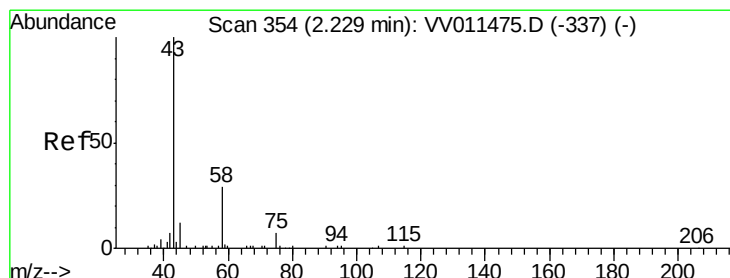
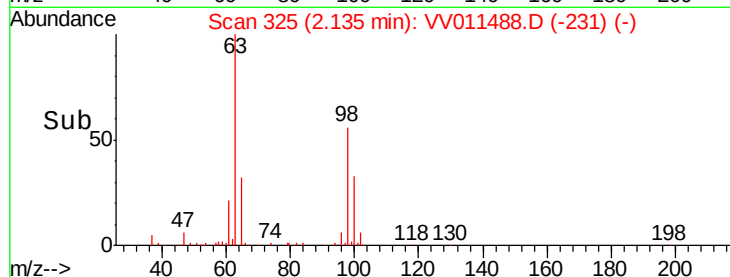
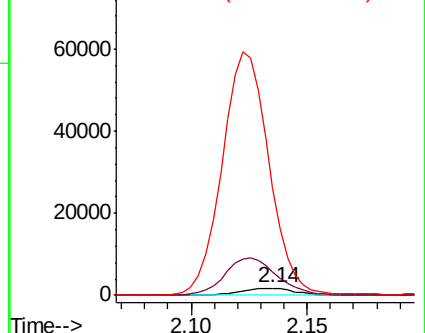
63 1571.4 94.3 175.1#



Abundance Ion 96.00 (95.70 to 96.70): VV0

Ion 61.05 (60.75 to 61.75): VV0

Ion 63.00 (62.70 to 63.70): VV0



#13

Acetone

Concen: 2.803 ug/L

RT: 2.23 min Scan# 356

Delta R.T. 0.01 min

Lab File: VV011488.D

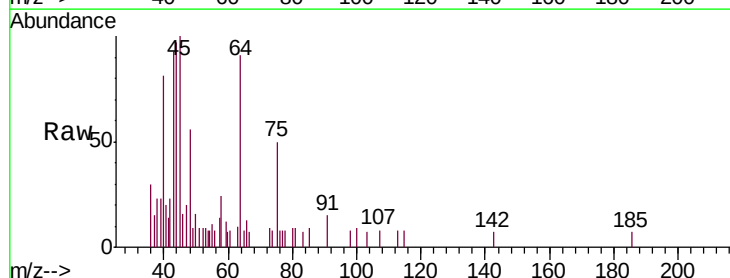
Acq: 14 Jun 2019 05:24

Tgt Ion: 43 Resp: 4265

Ion Ratio Lower Upper

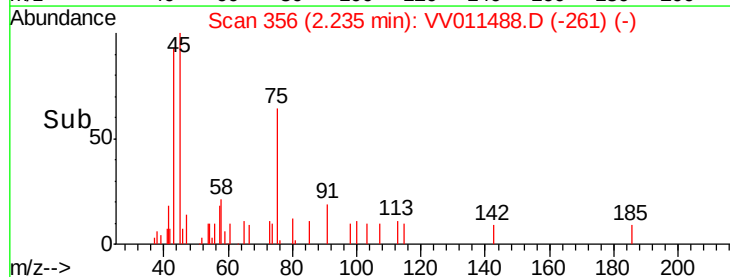
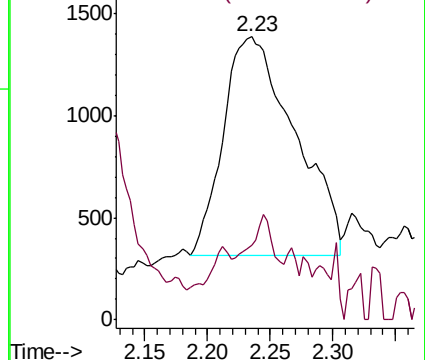
43 100

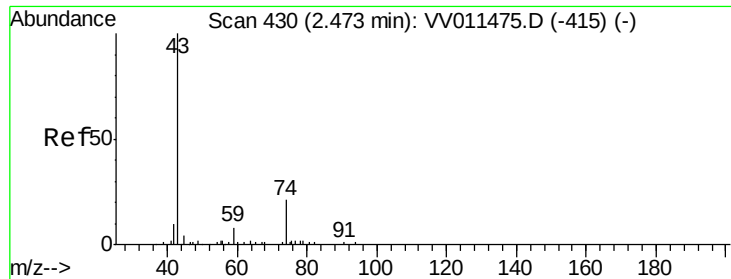
58 9.8 0.0 55.2



Abundance Ion 43.05 (42.75 to 43.75): VV0

Ion 58.05 (57.75 to 58.75): VV0

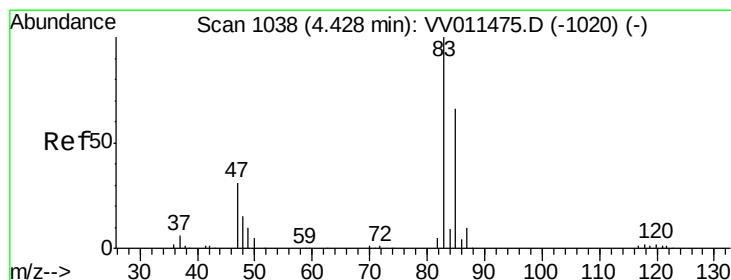
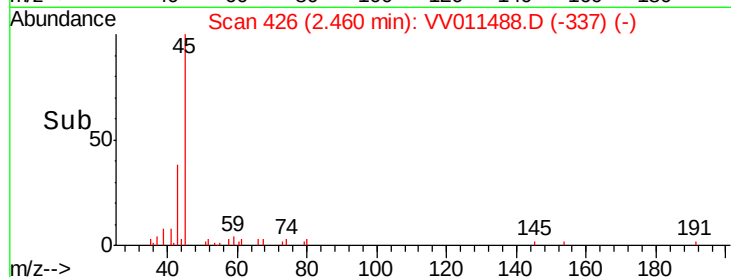
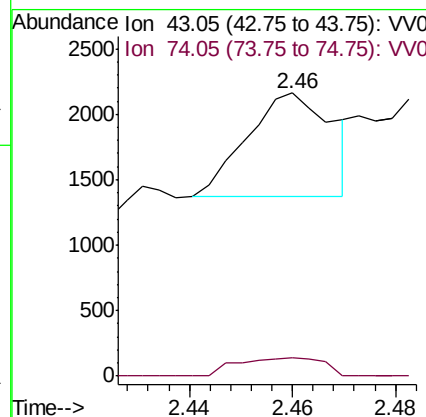
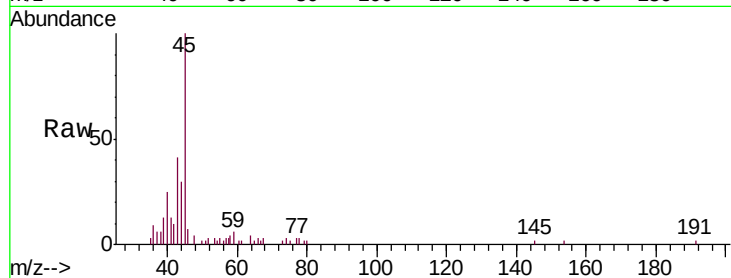




#15  
Methyl Acetate  
Concen: 0.223 ug/L  
RT: 2.46 min Scan# 426  
Delta R.T. -0.01 min  
Lab File: VV011488.D  
Acq: 14 Jun 2019 05:24

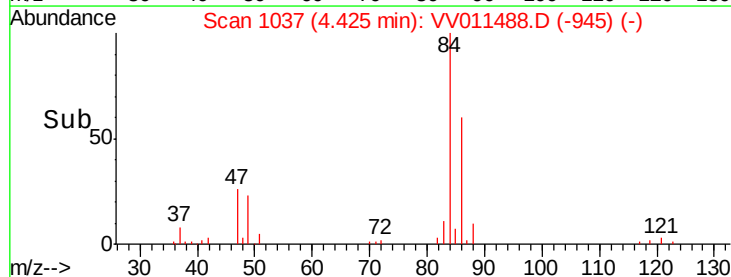
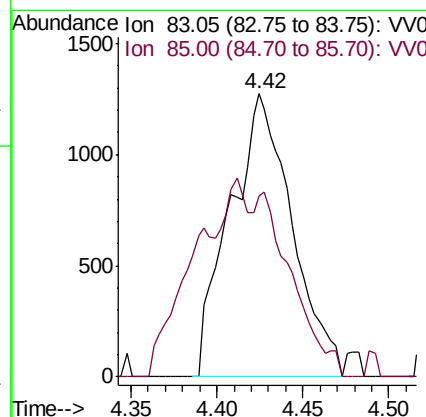
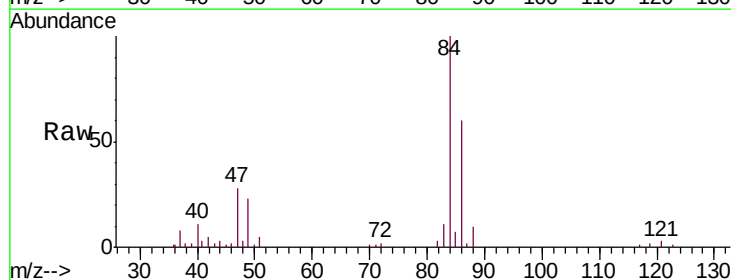
Instrument :  
MSVOA\_V  
ClientSampleId :  
COLZ3

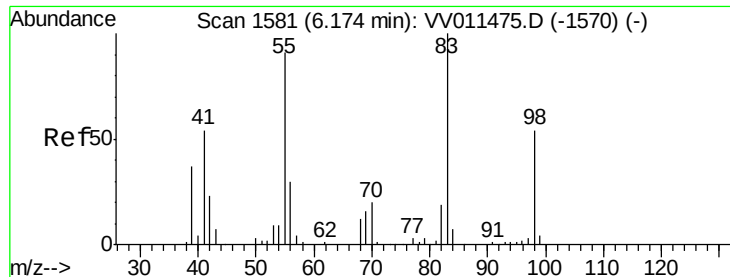
Tgt Ion: 43 Resp: 901  
Ion Ratio Lower Upper  
43 100  
74 17.9 18.5 27.7#



#25  
Chloroform  
Concen: 0.167 ug/L  
RT: 4.42 min Scan# 1037  
Delta R.T. -0.00 min  
Lab File: VV011488.D  
Acq: 14 Jun 2019 05:24

Tgt Ion: 83 Resp: 3195  
Ion Ratio Lower Upper  
83 100  
85 63.7 44.1 81.9

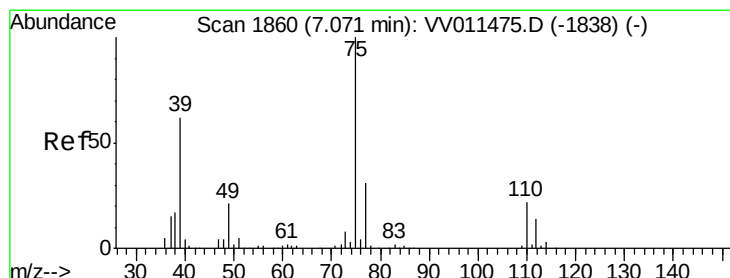
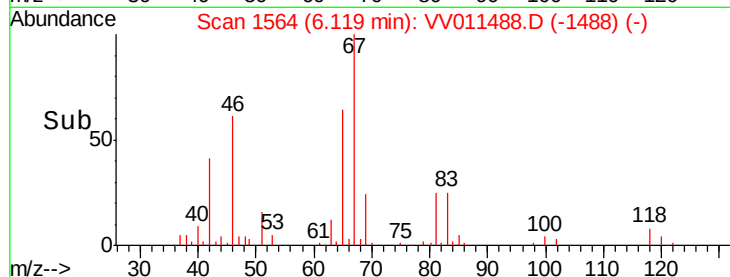
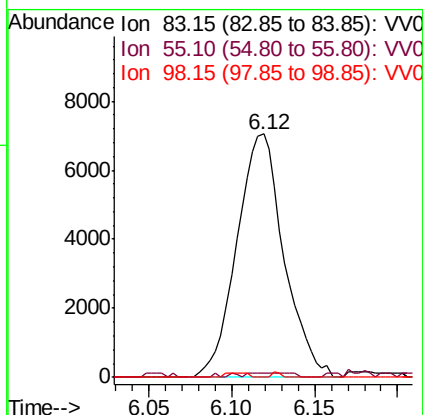
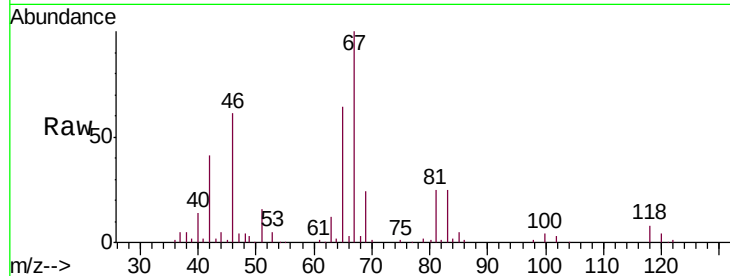




#35  
Methylcyclohexane  
Concen: 0.855 ug/L  
RT: 6.12 min Scan# 1564  
Delta R.T. -0.05 min  
Lab File: VV011488.D  
Acq: 14 Jun 2019 05:24

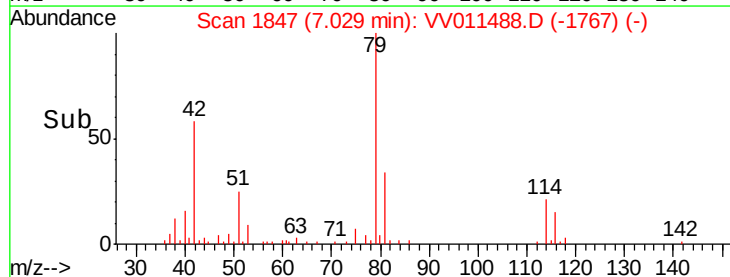
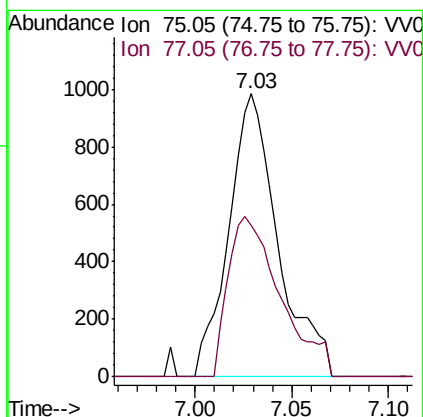
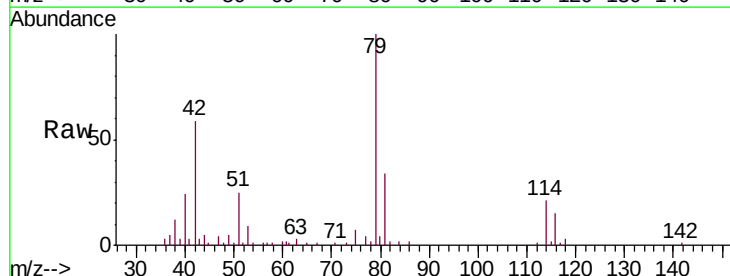
Instrument :  
MSVOA\_V  
ClientSampleId :  
COLZ3

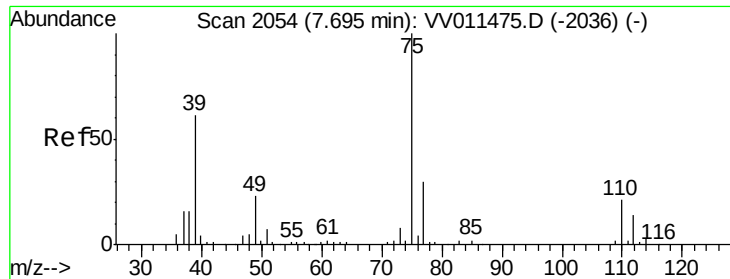
Tgt Ion: 83 Resp: 13900  
Ion Ratio Lower Upper  
83 100  
55 1.7 67.0 100.6#  
98 0.3 40.0 60.0#



#39  
cis-1,3-Dichloropropene  
Concen: 0.126 ug/L  
RT: 7.03 min Scan# 1847  
Delta R.T. -0.04 min  
Lab File: VV011488.D  
Acq: 14 Jun 2019 05:24

Tgt Ion: 75 Resp: 1748  
Ion Ratio Lower Upper  
75 100  
77 53.5 22.2 41.2#





#44

trans-1,3-Dichloropropene

Concen: 0.120 ug/L

RT: 7.67 min Scan# 2046

Delta R.T. -0.03 min

Lab File: VV011488.D

Acq: 14 Jun 2019 05:24

Instrument :

MSVOA\_V

ClientSampleId :

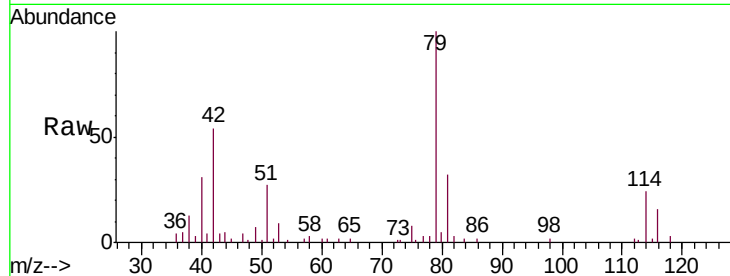
C0LZ3

Tgt Ion: 75 Resp: 1267

Ion Ratio Lower Upper

75 100

77 36.9 23.1 42.9



Abundance Ion 75.05 (74.75 to 75.75): VV0

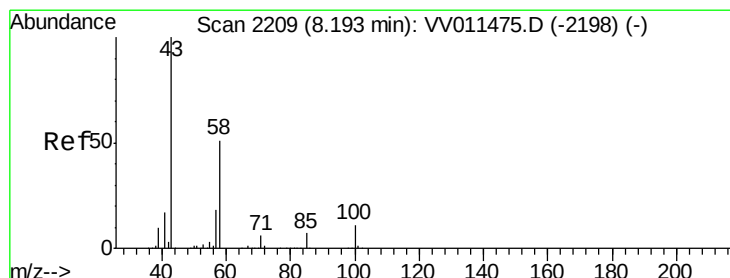
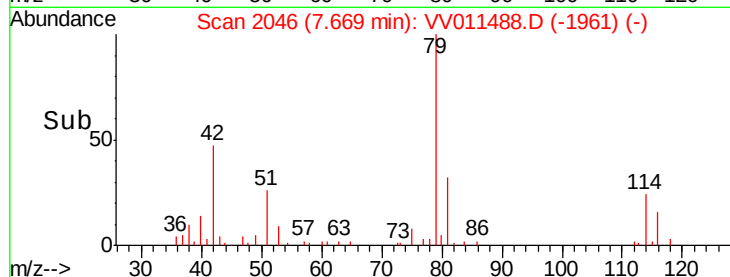
Ion 77.05 (76.75 to 77.75): VV0

7.67

7.65

7.70

Time-->



#48

2-Hexanone

Concen: 3.199 ug/L

RT: 8.14 min Scan# 2194

Delta R.T. -0.05 min

Lab File: VV011488.D

Acq: 14 Jun 2019 05:24

Tgt Ion: 43 Resp: 13457

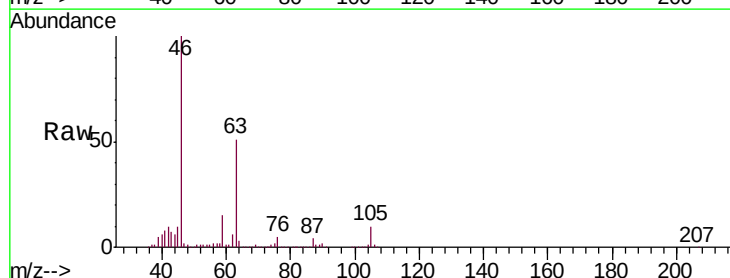
Ion Ratio Lower Upper

43 100

58 34.2 41.4 62.0#

57 30.7 15.0 22.4#

100 0.7 9.0 13.4#



Abundance Ion 43.05 (42.75 to 43.75): VV0

Ion 58.05 (57.75 to 58.75): VV0

Ion 57.20 (56.90 to 57.90): VV0

Ion 100.15 (99.85 to 100.85): VV0

8.14

8.10

8.15

8.20

Time-->

