

Data File : VV013456.D  
Acq On : 31 Oct 2019 19:49  
Operator : SY/MD  
Sample : K5635-02  
Misc : 25.0ML/MSVOA\_V/WATER  
ALS Vial : 17 Sample Multiplier: 1

Instrument :  
MSVOA\_V  
ClientSampleId :  
BE9G7

Quant Time: Nov 01 05:36:31 2019  
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_V\METHOD\SOMVTR103119WMA.M  
Quant Title : TRACE VOA SOM01.0  
QLast Update : Fri Nov 01 05:32:11 2019  
Response via : Initial Calibration

| Internal Standards         | R.T.  | QIon | Response | Conc | Units | Dev(Min) |
|----------------------------|-------|------|----------|------|-------|----------|
| 1) 1,4-Difluorobenzene     | 5.66  | 114  | 329716   | 5.00 | ug/L  | 0.00     |
| 28) Chlorobenzene-d5       | 8.89  | 117  | 349362   | 5.00 | ug/L  | 0.00     |
| 60) 1,4-Dichlorobenzene-d4 | 11.29 | 152  | 187220   | 5.00 | ug/L  | 0.00     |

#### System Monitoring Compounds

|                                |        |       |          |          |      |         |
|--------------------------------|--------|-------|----------|----------|------|---------|
| 4) Vinyl Chloride-d3           | 1.32   | 65    | 125147   | 5.16     | ug/L | 0.00    |
| Spiked Amount                  | 5.000  | Range | 40 - 130 | Recovery | =    | 103.20% |
| 7) Chloroethane-d5             | 1.58   | 69    | 106462   | 5.26     | ug/L | 0.00    |
| Spiked Amount                  | 5.000  | Range | 65 - 130 | Recovery | =    | 105.20% |
| 11) 1,1-Dichloroethene-d2      | 2.13   | 63    | 169506   | 3.90     | ug/L | 0.00    |
| Spiked Amount                  | 5.000  | Range | 60 - 125 | Recovery | =    | 78.00%  |
| 20) 2-Butanone-d5              | 3.92   | 46    | 413610   | 54.94    | ug/L | -0.03   |
| Spiked Amount                  | 50.000 | Range | 40 - 130 | Recovery | =    | 109.88% |
| 24) Chloroform-d               | 4.40   | 84    | 279923   | 4.80     | ug/L | 0.00    |
| Spiked Amount                  | 5.000  | Range | 70 - 125 | Recovery | =    | 96.00%  |
| 26) 1,2-Dichloroethane-d4      | 5.08   | 65    | 153233   | 5.05     | ug/L | 0.00    |
| Spiked Amount                  | 5.000  | Range | 70 - 130 | Recovery | =    | 101.00% |
| 32) Benzene-d6                 | 5.10   | 84    | 563798   | 4.88     | ug/L | 0.00    |
| Spiked Amount                  | 5.000  | Range | 70 - 125 | Recovery | =    | 97.60%  |
| 36) 1,2-Dichloropropane-d6     | 6.12   | 67    | 181953   | 5.02     | ug/L | 0.00    |
| Spiked Amount                  | 5.000  | Range | 60 - 140 | Recovery | =    | 100.40% |
| 41) Toluene-d8                 | 7.36   | 98    | 470513   | 4.38     | ug/L | 0.00    |
| Spiked Amount                  | 5.000  | Range | 70 - 130 | Recovery | =    | 87.60%  |
| 43) trans-1,3-Dichloropropene- | 7.66   | 79    | 61597    | 4.24     | ug/L | 0.00    |
| Spiked Amount                  | 5.000  | Range | 55 - 130 | Recovery | =    | 84.80%  |
| 46) 2-Hexanone-d5              | 8.13   | 63    | 235461   | 44.05    | ug/L | 0.00    |
| Spiked Amount                  | 50.000 | Range | 45 - 130 | Recovery | =    | 88.10%  |
| 57) 1,1,2,2-Tetrachloroethane- | 10.26  | 84    | 121336   | 4.36     | ug/L | 0.00    |
| Spiked Amount                  | 5.000  | Range | 65 - 120 | Recovery | =    | 87.20%  |
| 64) 1,2-Dichlorobenzene-d4     | 11.67  | 152   | 197046   | 5.18     | ug/L | 0.00    |
| Spiked Amount                  | 5.000  | Range | 80 - 120 | Recovery | =    | 103.60% |

#### Target Compounds

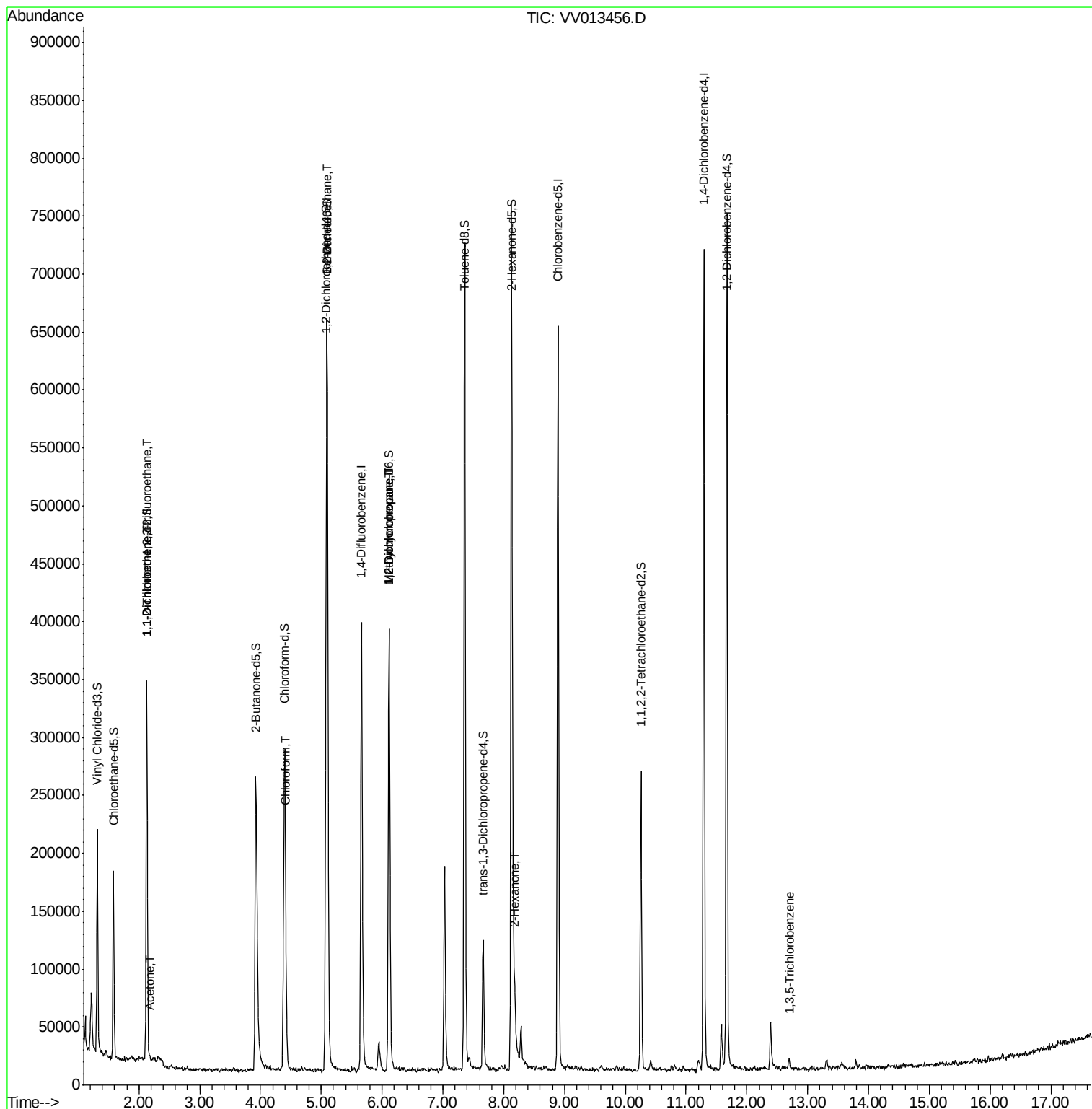
|                                |       |     |       |              | Qvalue |
|--------------------------------|-------|-----|-------|--------------|--------|
| 10) 1,1,2-Trichloro-1,2,2-trif | 2.13  | 101 | 1925  | 0.078 ug/L # | 21     |
| 12) 1,1-Dichloroethene         | 2.13  | 96  | 1752  | 0.075 ug/L # | 1      |
| 13) Acetone                    | 2.18  | 43  | 3925  | 1.151 ug/L   | 46     |
| 25) Chloroform                 | 4.42  | 83  | 7066  | 0.114 ug/L   | 90     |
| 27) 1,2-Dichloroethane         | 5.09  | 62  | 3447  | 0.099 ug/L   | 97     |
| 35) Methylcyclohexane          | 6.11  | 83  | 42471 | 0.812 ug/L # | 17     |
| 37) 1,2-Dichloropropane        | 6.12  | 63  | 19815 | 0.637 ug/L # | 88     |
| 48) 2-Hexanone                 | 8.18  | 43  | 36301 | 2.529 ug/L # | 92     |
| 67) 1,3,5-Trichlorobenzene     | 12.69 | 180 | 2505  | 0.051 ug/L # | 72     |

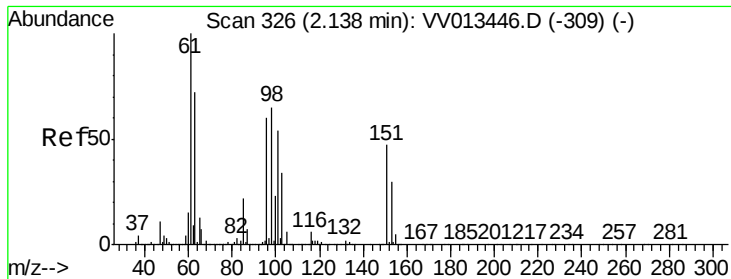
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#10

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

Concen: 0.078 ug/L

RT: 2.13 min Scan# 323

Delta R.T. -0.01 min

Lab File: VV013456.D

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Instrument :

MSVOA\_V

ClientSampleId :

BE9G7

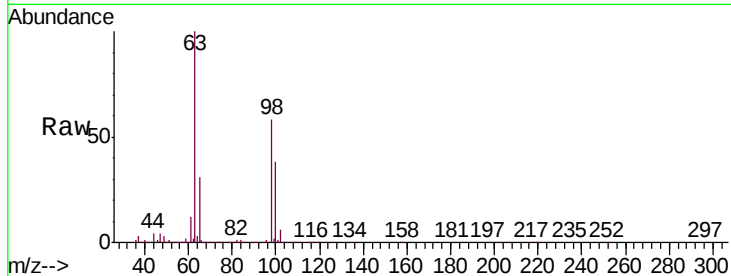
Tgt Ion:101 Resp: 1925

Ion Ratio Lower Upper

101 100

85 10.3 33.1 49.7#

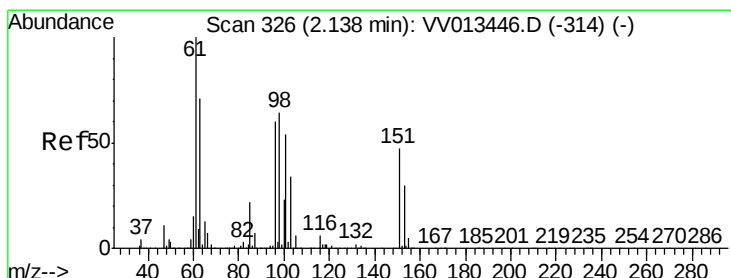
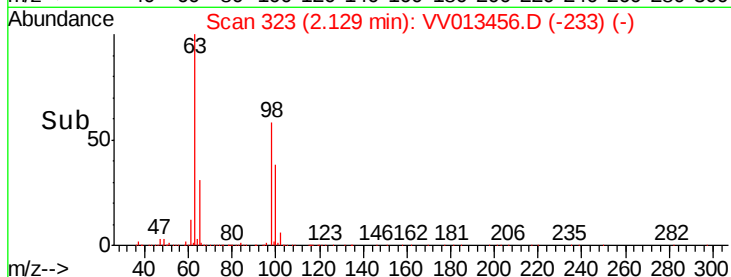
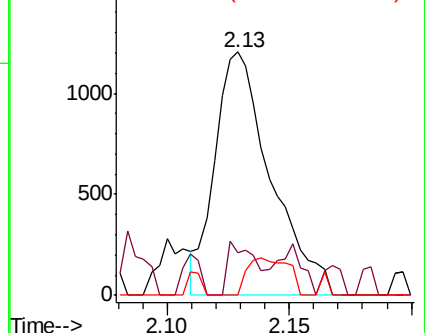
151 0.0 68.8 103.2#



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



#12

1,1-Dichloroethene

Concen: 0.075 ug/L

RT: 2.13 min Scan# 324

Delta R.T. -0.01 min

Lab File: VV013456.D

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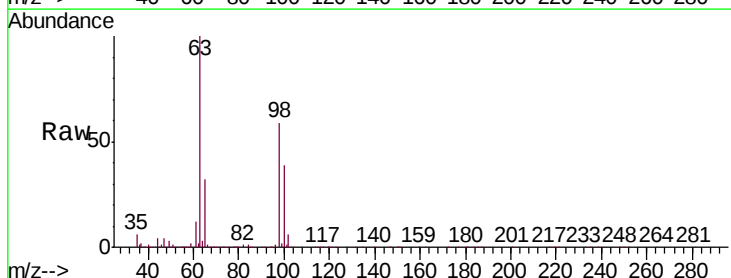
Tgt Ion: 96 Resp: 1752

Ion Ratio Lower Upper

96 100

61 1419.2 117.1 217.5#

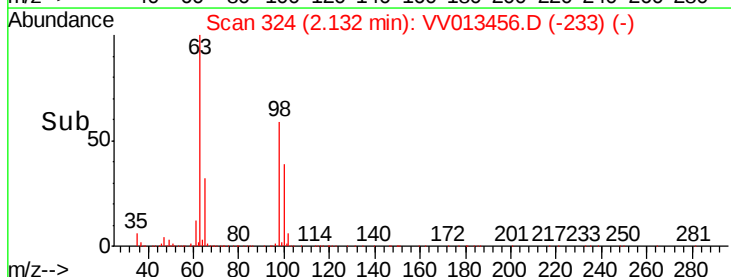
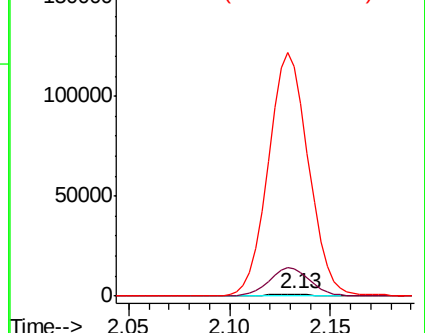
63 12125.6 84.1 156.3#

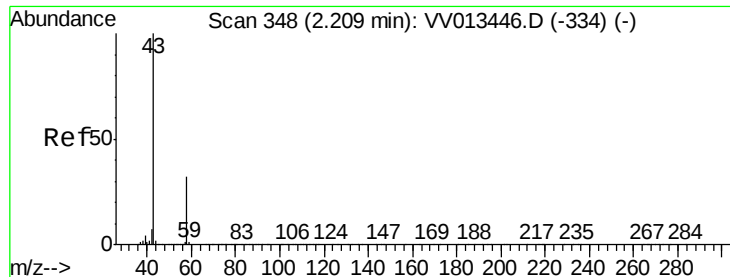


Abundance Ion 96.00 (95.70 to 96.70): VV0

Ion 61.05 (60.75 to 61.75): VV0

Ion 63.00 (62.70 to 63.70): VV0





#13

Acetone

Concen: 1.151 ug/L

RT: 2.18 min Scan# 340

Delta R.T. -0.03 min

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Acq: 31 Oct 2019 19:49

Instrument :

MSVOA\_V

ClientSampled :

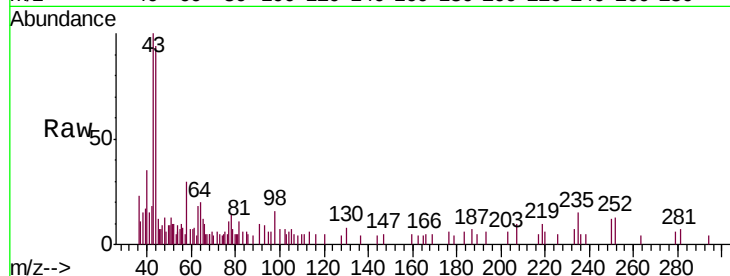
BE9G7

Tgt Ion: 43 Resp: 3925

Ion Ratio Lower Upper

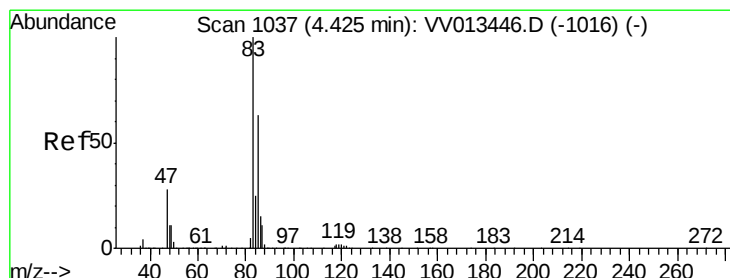
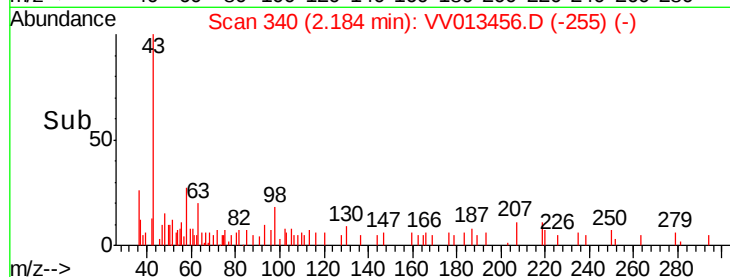
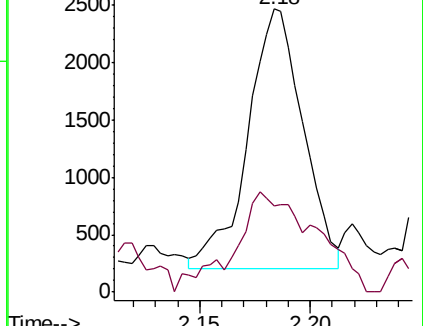
43 100

58 57.6 0.0 58.0



Abundance Ion 43.05 (42.75 to 43.75): VV0

Ion 58.05 (57.75 to 58.75): VV0



#25

Chloroform

Concen: 0.114 ug/L

RT: 4.42 min Scan# 1036

Delta R.T. -0.00 min

Lab File: VV013456.D

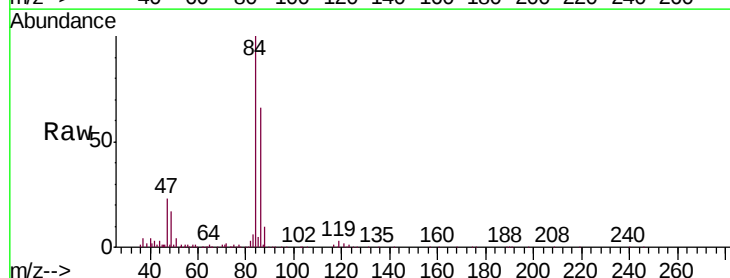
Acq: 31 Oct 2019 19:49

Tgt Ion: 83 Resp: 7066

Ion Ratio Lower Upper

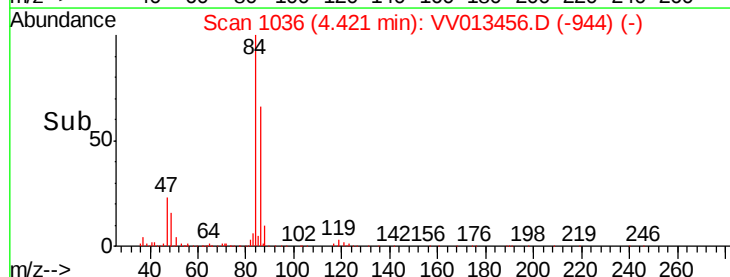
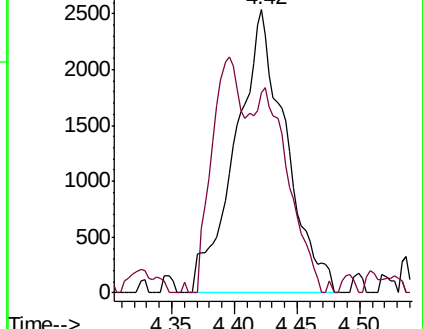
83 100

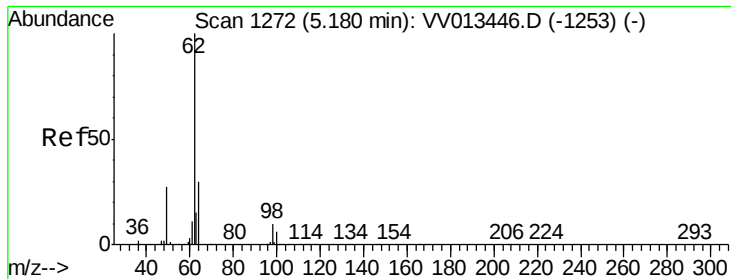
85 70.9 44.1 81.9



Abundance Ion 83.05 (82.75 to 83.75): VV0

Ion 85.00 (84.70 to 85.70): VV0





#27

1,2-Dichloroethane

Concen: 0.099 ug/L

RT: 5.09 min Scan# 1245

Delta R.T. -0.09 min

Lab File: VV013456.D

Acq: 31 Oct 2019 19:49

Instrument :

MSVOA\_V

ClientSampleId :

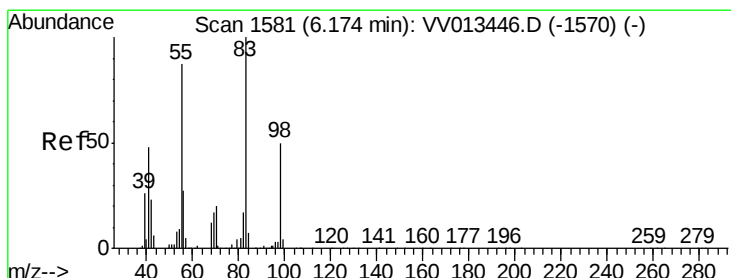
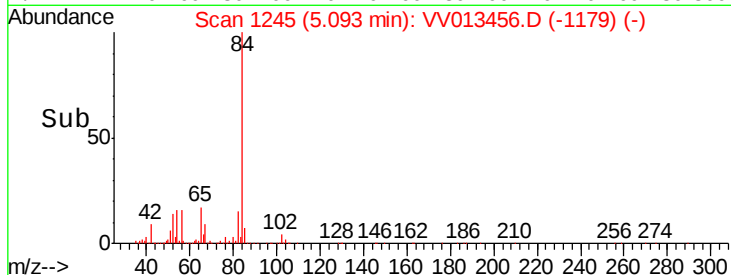
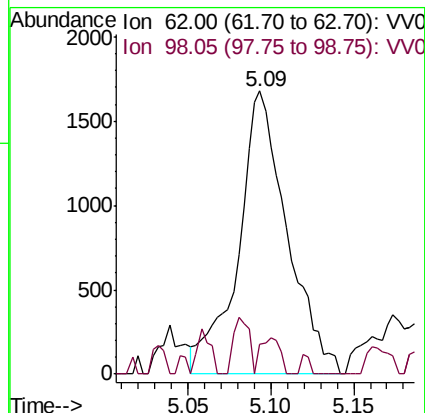
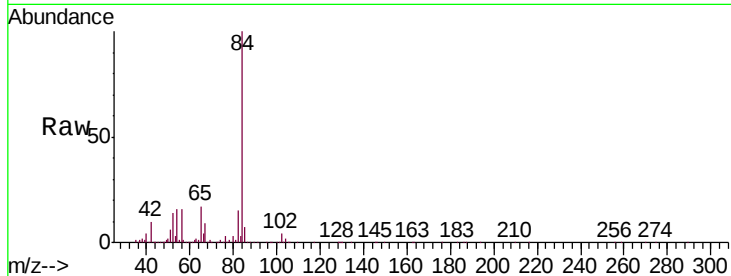
BE9G7

Tgt Ion: 62 Resp: 3447

Ion Ratio Lower Upper

62 100

98 10.5 7.7 11.5



#35

Methylcyclohexane

Concen: 0.812 ug/L

RT: 6.11 min Scan# 1562

Delta R.T. -0.06 min

Lab File: VV013456.D

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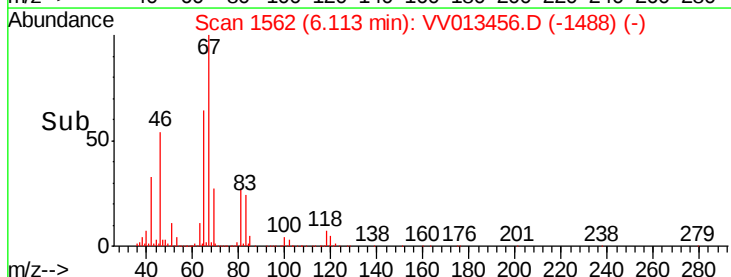
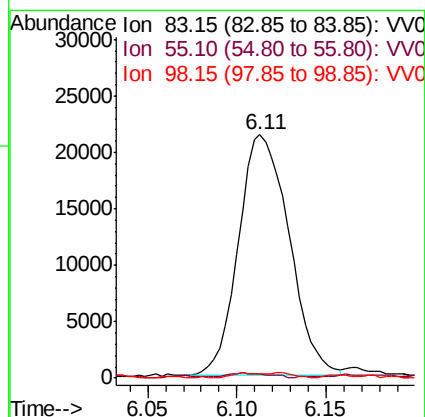
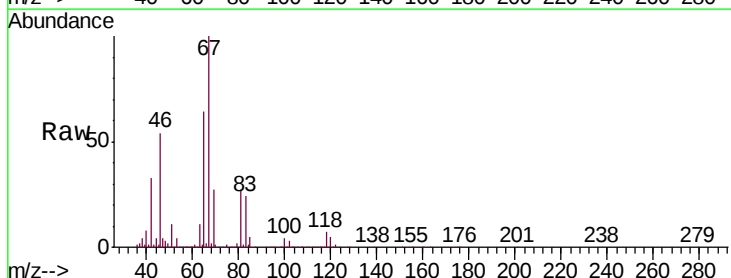
Tgt Ion: 83 Resp: 42471

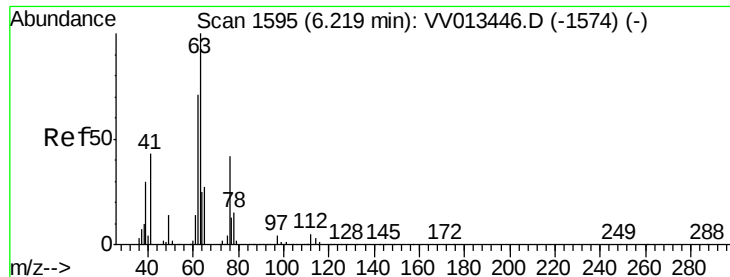
Ion Ratio Lower Upper

83 100

55 0.2 64.6 96.8#

98 1.2 39.1 58.7#





#37

1,2-Dichloropropane

Concen: 0.637 ug/L

RT: 6.12 min Scan# 1563

Delta R.T. -0.10 min

Lab File: VV013456.D

Acq: 31 Oct 2019 19:49

Instrument :

MSVOA\_V

ClientSampleId :

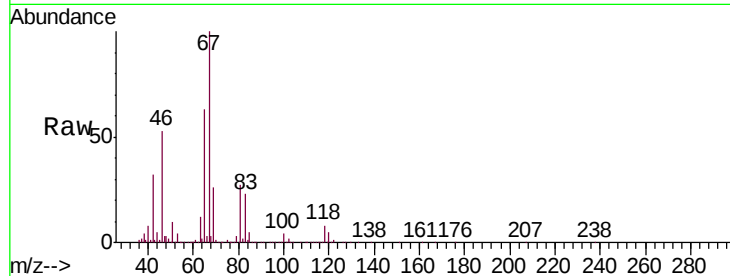
BE9G7

Tgt Ion: 63 Resp: 19815

Ion Ratio Lower Upper

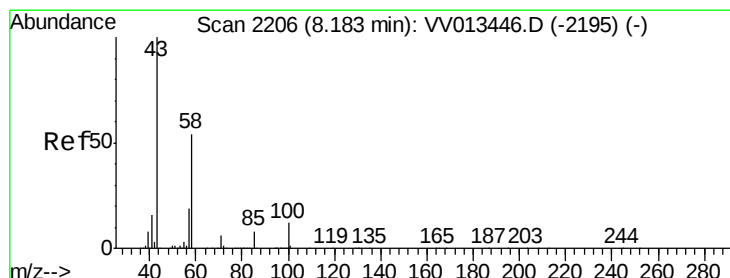
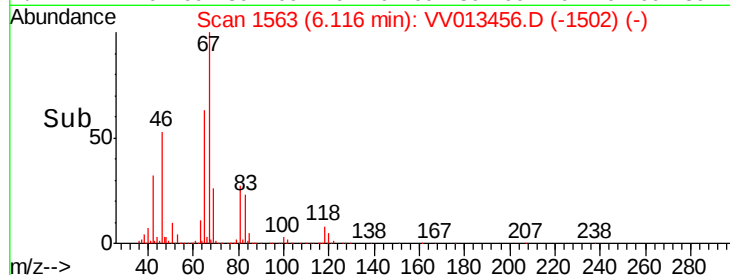
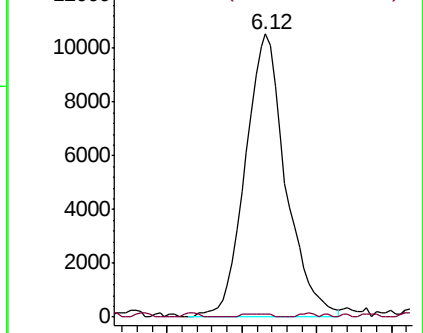
63 100

112 0.9 3.8 5.8#



Abundance Ion 63.10 (62.80 to 63.80): VV0

Ion 112.10 (111.80 to 112.80): V



#48

2-Hexanone

Concen: 2.529 ug/L

RT: 8.18 min Scan# 2206

Delta R.T. 0.00 min

Lab File: VV013456.D

Acq: 31 Oct 2019 19:49

Tgt Ion: 43 Resp: 36301

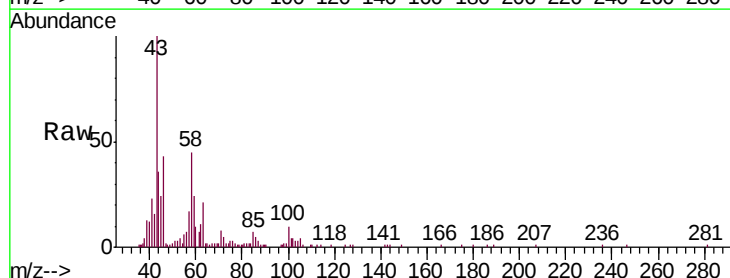
Ion Ratio Lower Upper

43 100

58 45.7 42.2 63.4

57 17.3 14.9 22.3

100 8.3 9.0 13.6#

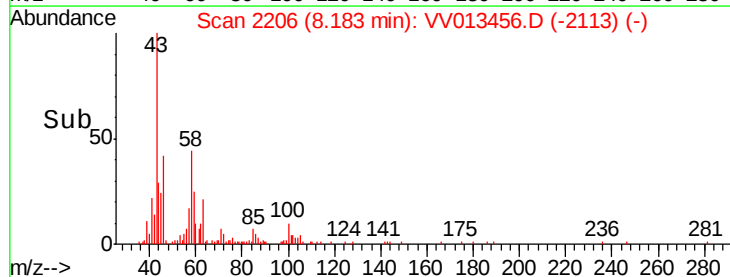
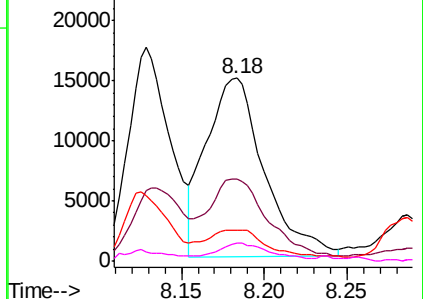


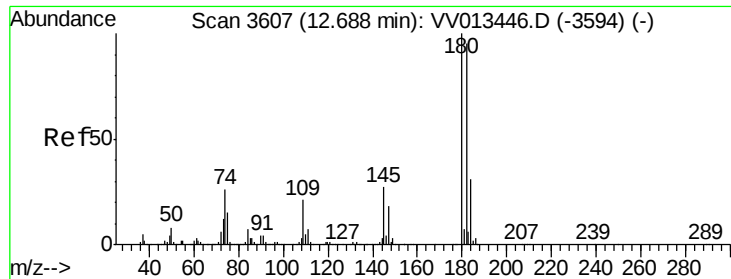
Abundance Ion 43.05 (42.75 to 43.75): VV0

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

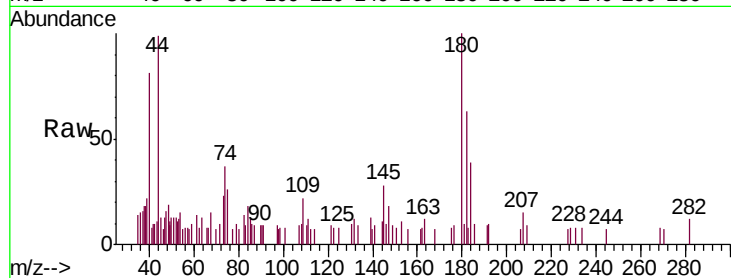




#67  
 1,3,5-Trichlorobenzene  
 Concen: 0.051 ug/L  
 RT: 12.69 min Scan# 3608  
 Delta R.T. 0.00 min  
 Lab File: VV013456.D  
 Acq: 31 Oct 2019 19:49

Instrument :  
 MSVOA\_V  
 ClientSampleId :  
 BE9G7

|           |       |       |        |
|-----------|-------|-------|--------|
| Tgt Ion:  | 180   | Resp: | 2505   |
| Ion Ratio | Lower | Upper |        |
| 180       | 100   |       |        |
| 182       | 54.3  | 76.1  | 114.1# |
| 184       | 36.3  | 24.5  | 36.7   |
| 145       | 26.7  | 21.4  | 32.2   |



Abundance Ion 180.00 (179.70 to 180.70): V  
 Ion 182.00 (181.70 to 182.70): V  
 Ion 184.00 (183.70 to 184.70): V  
 Ion 145.00 (144.70 to 145.70): V

