

Data Path : Z:\HPCHEM1\MSVOA\_F\DATA\VF011019\  
 Data File : VF061346.D  
 Acq On : 10 Jan 2019 16:17  
 Operator : VA/AP  
 Sample : K1006-15  
 Misc : 7.07g/5mL/MSVOA-F/SOIL  
 ALS Vial : 10 Sample Multiplier: 1

Quant Time: Jan 11 00:31:26 2019  
 Quant Method : Z:\HPCHEM1\MSVOA\_F\METHODS\82F010819S.M  
 Quant Title : SW846 8260  
 QLast Update : Wed Jan 09 07:13:51 2019  
 Response via : Initial Calibration

| Internal Standards         | R.T. | QIon | Response | Conc  | Units | Dev(Min) |
|----------------------------|------|------|----------|-------|-------|----------|
| 1) Pentafluorobenzene      | 4.89 | 168  | 472      | 50.00 | ug/l  | 0.02     |
| 34) 1,4-Difluorobenzene    | 5.60 | 114  | 389      | 50.00 | ug/l  | 0.00     |
| 63) Chlorobenzene-d5       | 9.78 | 117  | 260      | 50.00 | ug/l  | 0.00     |
| 72) 1,4-Dichlorobenzene-d4 | 0.00 | 152  | 0        | 0.00  | ug/l  | -12.56   |

|                             |        |     |          |       |         |      |
|-----------------------------|--------|-----|----------|-------|---------|------|
| System Monitoring Compounds |        |     |          |       |         |      |
| 33) 1,2-Dichloroethane-d4   | 4.86   | 65  | 79       | 15.04 | ug/l    | 0.00 |
| Spiked Amount               | 50.000 |     | Recovery | =     | 30.08%  |      |
| 35) Dibromofluoromethane    | 0.00   | 113 | 0        | 0.00  | ug/l    |      |
| Spiked Amount               | 50.000 |     | Recovery | =     | 0.00%   |      |
| 50) Toluene-d8              | 7.57   | 98  | 510      | 57.90 | ug/l    | 0.00 |
| Spiked Amount               | 50.000 |     | Recovery | =     | 115.80% |      |
| 62) 4-Bromofluorobenzene    | 11.53  | 95  | 62       | 16.12 | ug/l    | 0.12 |
| Spiked Amount               | 50.000 |     | Recovery | =     | 32.24%  |      |

| Target Compounds              |      |     |     |          |        | Qvalue |
|-------------------------------|------|-----|-----|----------|--------|--------|
| 3) Chloromethane              | 0.99 | 50  | 137 | 17.658   | ug/l # | 40     |
| 4) Vinyl Chloride             | 1.09 | 62  | 117 | 16.885   | ug/l # | 43     |
| 5) Bromomethane               | 1.32 | 94  | 274 | 51.295   | ug/l # | 6      |
| 7) Trichlorofluoromethane     | 1.51 | 101 | 60  | 5.108    | ug/l # | 19     |
| 8) Diethyl Ether              | 1.52 | 74  | 127 | 73.624   | ug/l   | 72     |
| 9) 1,1,2-Trichlorotrifluoroet | 1.90 | 101 | 62  | 9.996    | ug/l # | 23     |
| 10) Methyl Iodide             | 1.83 | 142 | 64  | 6.586    | ug/l # | 32     |
| 12) 1,1-Dichloroethene        | 1.76 | 96  | 160 | 32.258   | ug/l # | 1      |
| 13) Acrolein                  | 2.11 | 56  | 239 | 1118.486 | ug/l   | 87     |
| 14) Allyl chloride            | 2.10 | 41  | 548 | 60.445   | ug/l # | 45     |
| 15) Acrylonitrile             | 2.95 | 53  | 486 | 651.760  | ug/l # | 27     |
| 16) Acetone                   | 2.26 | 43  | 819 | 670.144  | ug/l # | 55     |
| 17) Carbon Disulfide          | 1.76 | 76  | 59  | 3.601    | ug/l # | 74     |
| 18) Methyl Acetate            | 2.31 | 43  | 793 | 329.801  | ug/l # | 65     |
| 19) Methyl tert-butyl Ether   | 2.43 | 73  | 80  | 8.464    | ug/l # | 1      |
| 21) trans-1,2-Dichloroethene  | 2.35 | 96  | 61  | 11.606   | ug/l # | 1      |
| 22) Diisopropyl ether         | 2.78 | 45  | 313 | 17.845   | ug/l # | 1      |
| 23) Vinyl Acetate             | 3.23 | 43  | 371 | 72.328   | ug/l # | 77     |
| 24) 1,1-Dichloroethane        | 2.81 | 63  | 61  | 6.012    | ug/l # | 87     |
| 25) 2-Butanone                | 4.31 | 43  | 191 | 97.102   | ug/l # | 56     |
| 26) 2,2-Dichloropropane       | 3.58 | 77  | 66  | 9.735    | ug/l # | 60     |
| 27) cis-1,2-Dichloroethene    | 3.52 | 96  | 62  | 8.449    | ug/l   | 1      |
| 29) Tetrahydrofuran           | 4.08 | 42  | 182 | 221.298  | ug/l # | 36     |
| 30) Chloroform                | 3.84 | 83  | 62  | 4.814    | ug/l # | 16     |
| 31) Cyclohexane               | 3.77 | 56  | 67  | 6.295    | ug/l # | 14     |
| 37) Ethyl Acetate             | 4.12 | 43  | 82  | 49.570   | ug/l # | 1      |
| 40) Benzene                   | 4.56 | 78  | 62  | 5.846    | ug/l # | 51     |
| 41) Methacrylonitrile         | 4.73 | 41  | 188 | 203.511  | ug/l # | 54     |
| 43) Isopropyl Acetate         | 6.95 | 43  | 128 | 58.608   | ug/l # | 45     |
| 45) 1,2-Dichloropropane       | 6.37 | 63  | 64  | 23.731   | ug/l # | 43     |
| 48) Methyl methacrylate       | 6.69 | 41  | 272 | 191.873  | ug/l # | 10     |
| 49) 1,4-Dioxane               | 6.72 | 88  | 69  | 7713.878 | ug/l # | 20     |
| 51) 4-Methyl-2-Pentanone      | 8.28 | 43  | 231 | 140.130  | ug/l # | 38     |
| 54) cis-1,3-Dichloropropene   | 7.42 | 75  | 62  | 14.458   | ug/l # | 29     |

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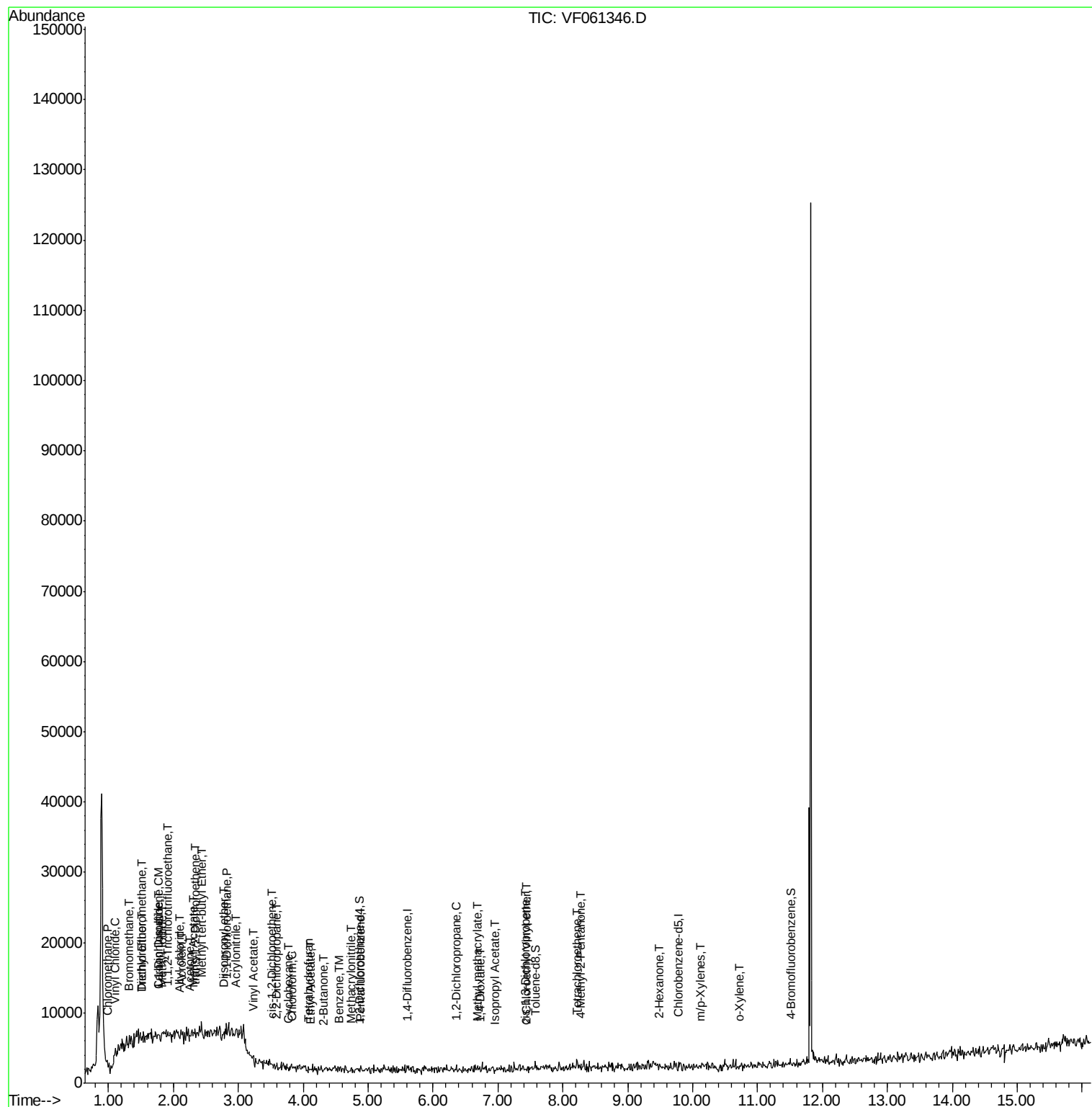
Quant Time: Jan 11 00:31:26 2019  
Quant Method : Z:\HPCHEM1\MSVOA\_F\METHODS\82F010819S.M  
Quant Title : SW846 8260  
QLast Update : Wed Jan 09 07:13:51 2019  
Response via : Initial Calibration

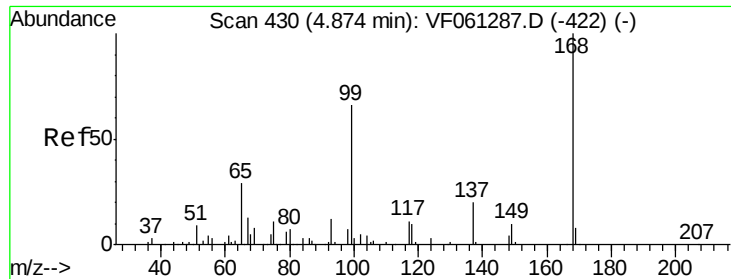
| Internal Standards            | R.T.  | QIon | Response | Conc    | Units  | Dev(Min) |
|-------------------------------|-------|------|----------|---------|--------|----------|
| 58) 2-Chloroethyl Vinyl ether | 7.43  | 63   | 64       | 704.456 | ug/l # | 56       |
| 59) 2-Hexanone                | 9.50  | 43   | 268      | 229.480 | ug/l # | 27       |
| 64) Tetrachloroethene         | 8.23  | 164  | 73       | 38.563  | ug/l # | 1        |
| 68) m/p-Xylenes               | 10.12 | 106  | 75       | 21.240  | ug/l # | 73       |
| 69) o-Xylene                  | 10.72 | 106  | 60       | 15.211  | ug/l # | 1        |

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

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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 4.89 min Scan# 432

Delta R.T. 0.02 min

Lab File: VF061346.D

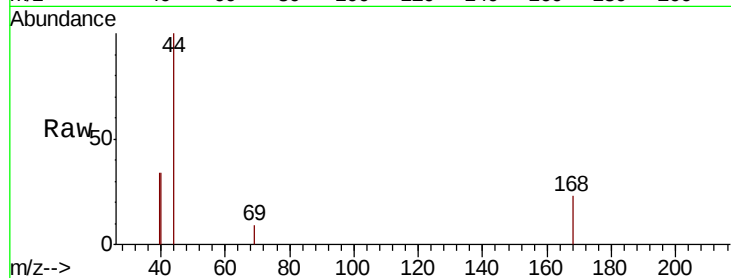
Acq: 10 Jan 2019 16:17

Tgt Ion: 168 Resp: 472

Ion Ratio Lower Upper

168 100

99 0.0 52.7 79.1#



Abundance Ion 168.00 (167.70 to 168.70): VF0

Ion 99.00 (98.70 to 99.70): VF0

4.89

250

200

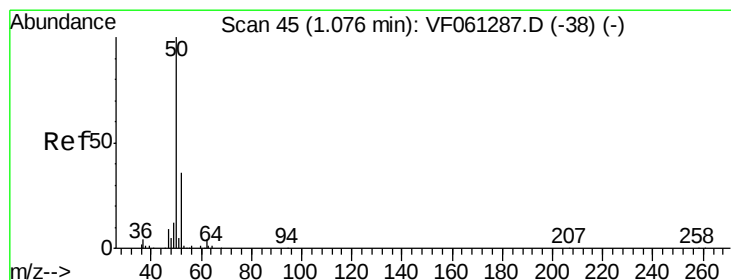
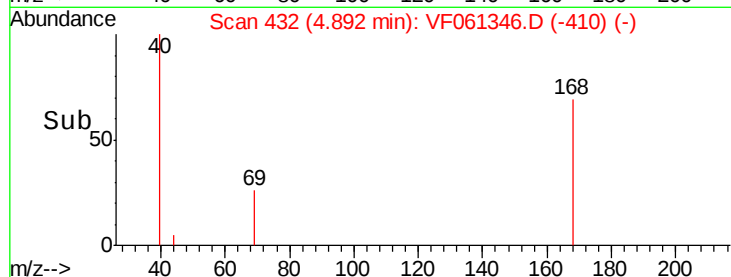
150

100

50

0

Time-->



#3

Chloromethane

Concen: 17.658 ug/l

RT: 0.99 min Scan# 36

Delta R.T. -0.09 min

Lab File: VF061346.D

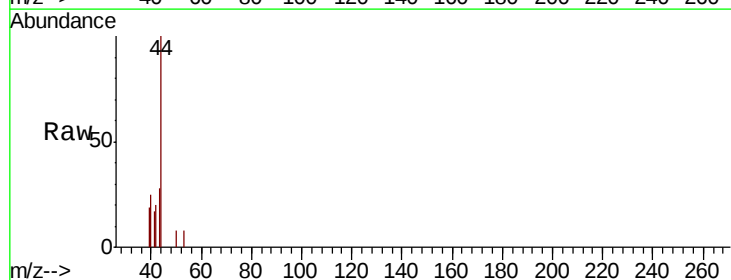
Acq: 10 Jan 2019 16:17

Tgt Ion: 50 Resp: 137

Ion Ratio Lower Upper

50 100

52 0.0 28.2 42.2#



Abundance Ion 50.00 (49.70 to 50.70): VF0

Ion 52.00 (51.70 to 52.70): VF0

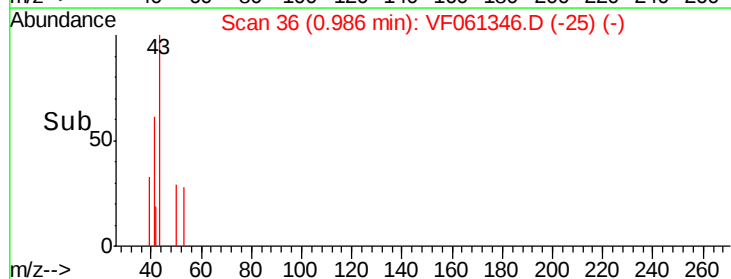
0.99

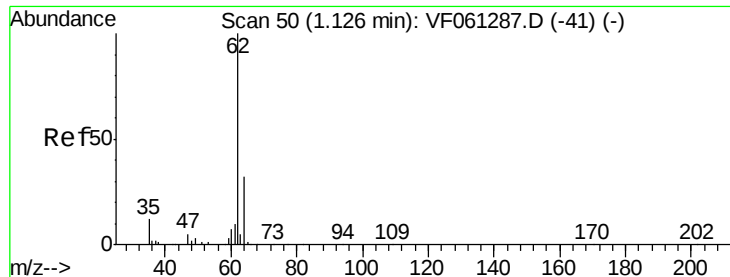
100

50

0

Time-->





#4

Vinyl Chloride

Concen: 16.885 ug/l

RT: 1.09 min Scan# 47

Delta R.T. -0.03 min

Lab File: VF061346.D

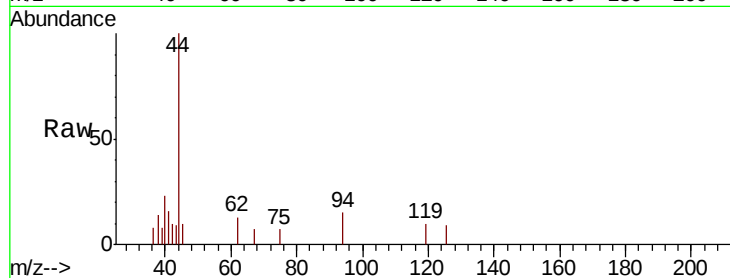
Acq: 10 Jan 2019 16:17

Tgt Ion: 62 Resp: 117

Ion Ratio Lower Upper

62 100

64 0.0 25.4 38.0#



Abundance Ion 62.00 (61.70 to 62.70): VF0

Ion 64.00 (63.70 to 64.70): VF0

1.09

200

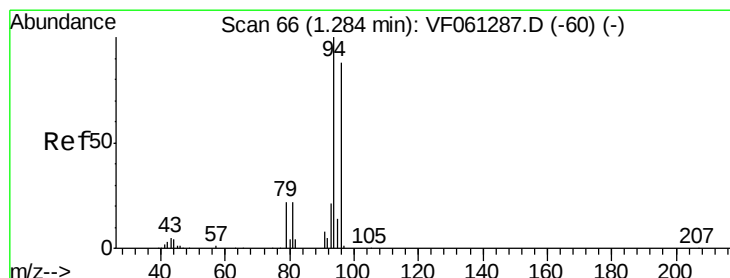
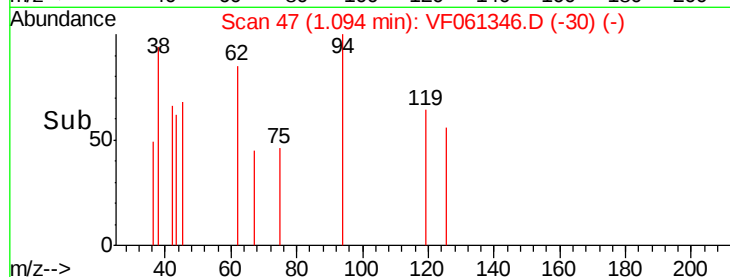
150

100

50

0

Time-->



#5

Bromomethane

Concen: 51.295 ug/l

RT: 1.32 min Scan# 70

Delta R.T. 0.04 min

Lab File: VF061346.D

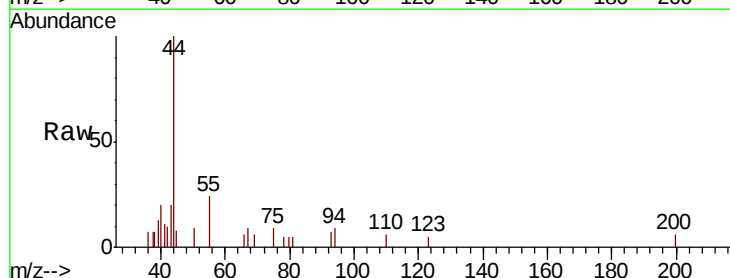
Acq: 10 Jan 2019 16:17

Tgt Ion: 94 Resp: 274

Ion Ratio Lower Upper

94 100

96 0.0 70.2 105.4#



Abundance Ion 94.00 (93.70 to 94.70): VF0

Ion 96.00 (95.70 to 96.70): VF0

1.32

200

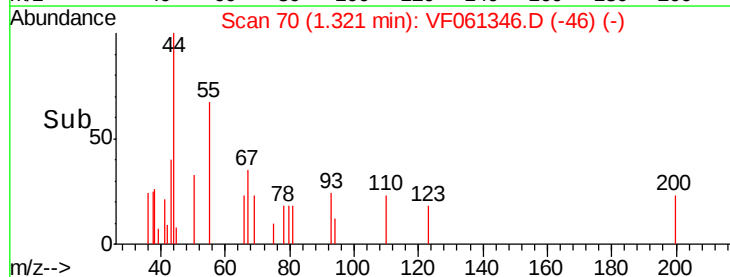
150

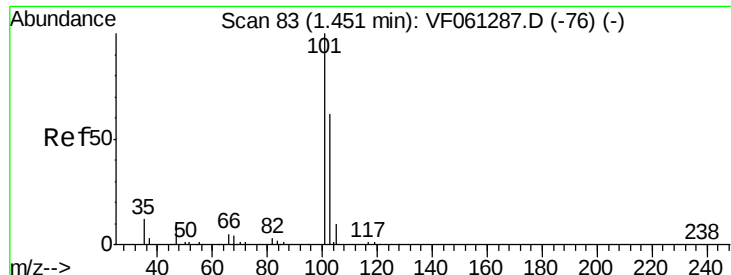
100

50

0

Time-->

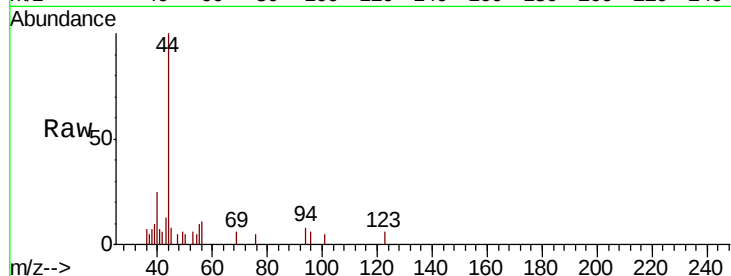




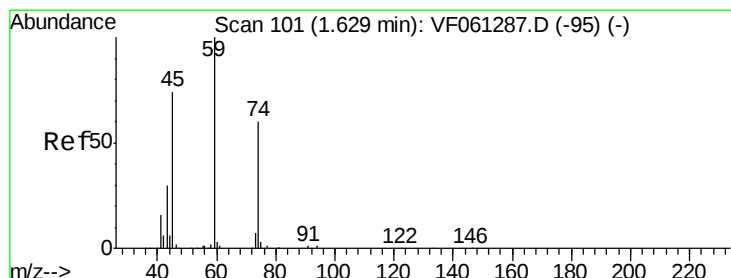
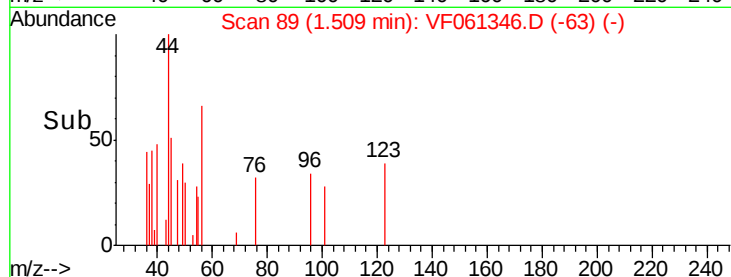
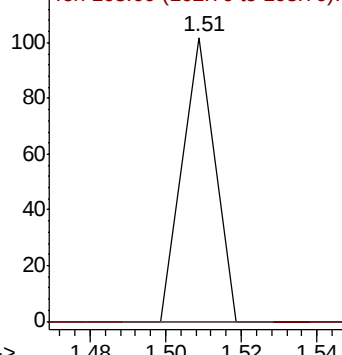
#7

Trichlorofluoromethane  
Concen: 5.108 ug/l  
RT: 1.51 min Scan# 89  
Delta R.T. 0.06 min  
Lab File: VF061346.D  
Acq: 10 Jan 2019 16:17

Tgt Ion: 101 Resp: 60  
Ion Ratio Lower Upper  
101 100  
103 0.0 49.9 74.9#



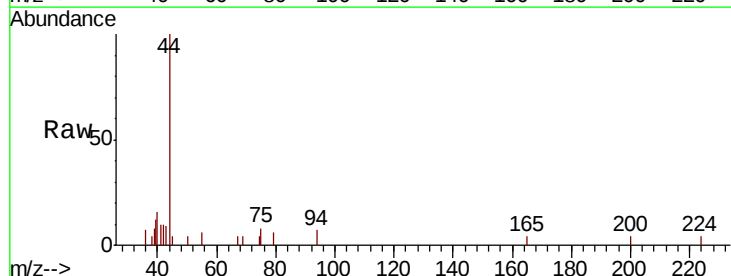
Abundance Ion 101.00 (100.70 to 101.70): V  
Ion 103.00 (102.70 to 103.70): V



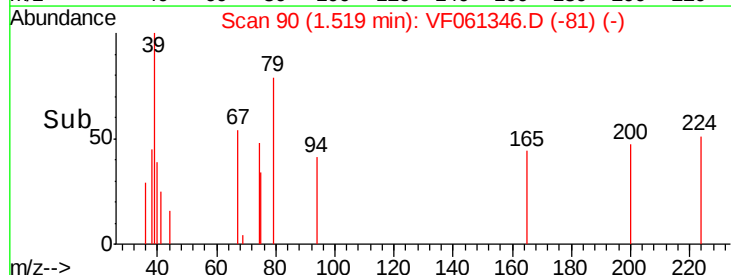
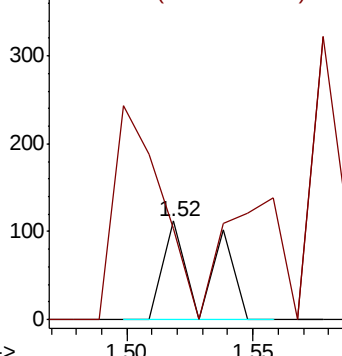
#8

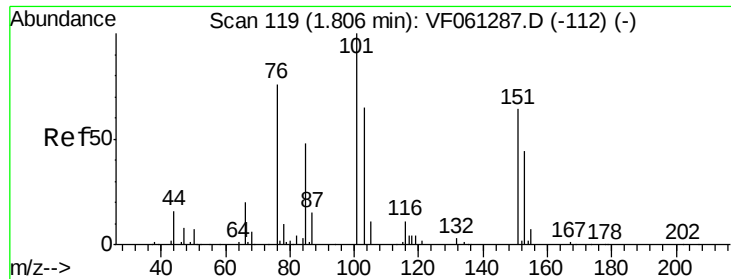
Diethyl Ether  
Concen: 73.624 ug/l  
RT: 1.52 min Scan# 90  
Delta R.T. -0.11 min  
Lab File: VF061346.D  
Acq: 10 Jan 2019 16:17

Tgt Ion: 74 Resp: 127  
Ion Ratio Lower Upper  
74 100  
45 92.9 62.1 186.3



Abundance Ion 74.00 (73.70 to 74.70): VF0  
Ion 45.00 (44.70 to 45.70): VF0





#9

1,1,2-Trichlorotrifluoroethane

Concen: 9.996 ug/l

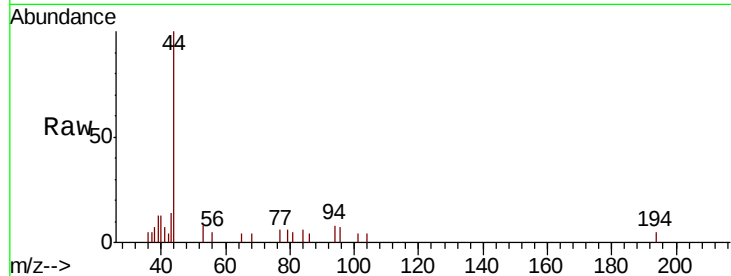
RT: 1.90 min Scan# 129

Delta R.T. 0.10 min

Lab File: VF061346.D

Acq: 10 Jan 2019 16:17

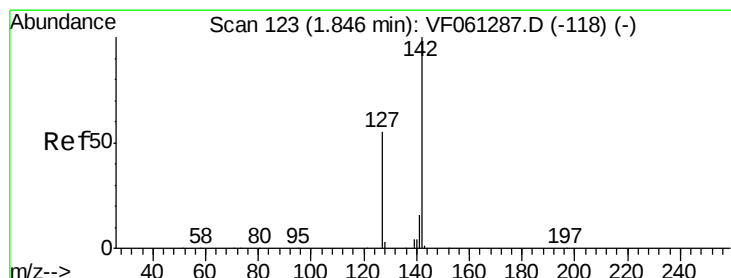
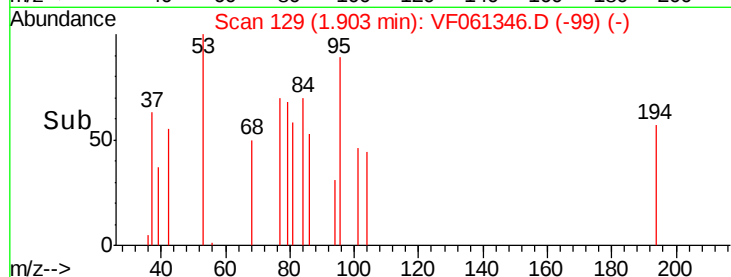
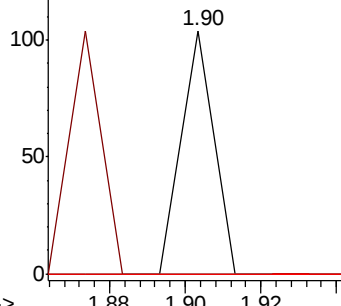
|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 101   | Resp: | 62    |
| Ion      | Ratio | Lower | Upper |
| 101      | 100   |       |       |
| 85       | 0.0   | 38.4  | 57.6# |
| 151      | 0.0   | 51.4  | 77.2# |



Abundance Ion 101.00 (100.70 to 101.70): V

Ion 85.00 (84.70 to 85.70): VF0

Ion 151.00 (150.70 to 151.70): V



#10

Methyl Iodide

Concen: 6.586 ug/l

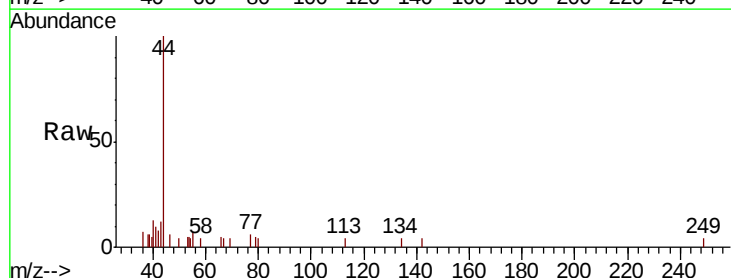
RT: 1.83 min Scan# 122

Delta R.T. -0.01 min

Lab File: VF061346.D

Acq: 10 Jan 2019 16:17

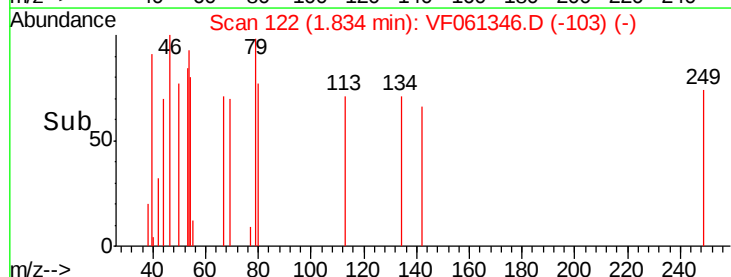
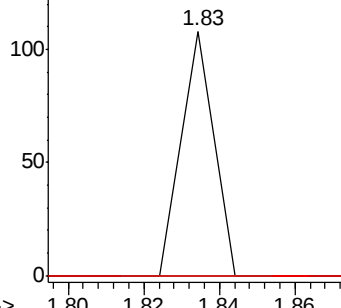
|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 142   | Resp: | 64    |
| Ion      | Ratio | Lower | Upper |
| 142      | 100   |       |       |
| 127      | 0.0   | 44.3  | 66.5# |
| 141      | 0.0   | 13.2  | 19.8# |

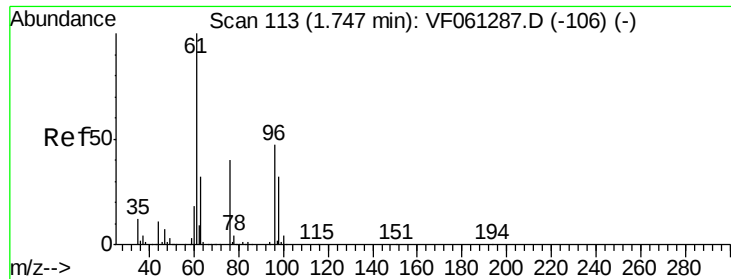


Abundance Ion 142.00 (141.70 to 142.70): V

Ion 127.00 (126.70 to 127.70): V

Ion 141.00 (140.70 to 141.70): V





#12

1,1-Dichloroethene

Concen: 32.258 ug/l

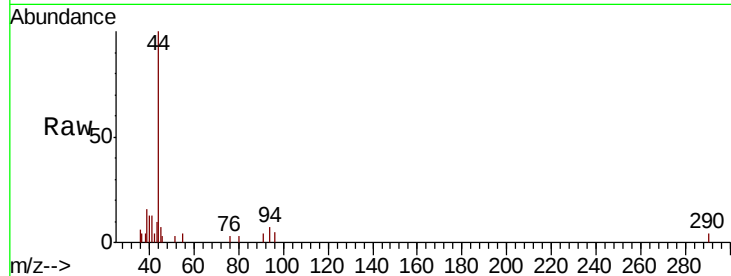
RT: 1.76 min Scan# 114

Delta R.T. 0.01 min

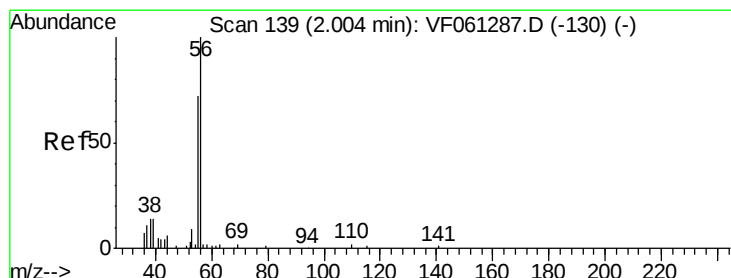
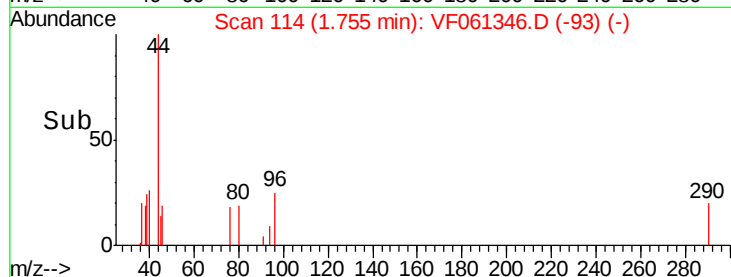
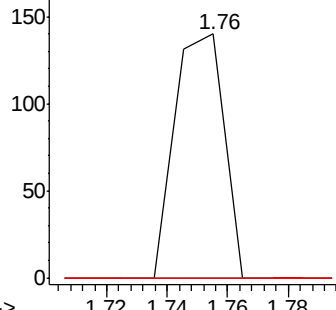
Lab File: VF061346.D

Acq: 10 Jan 2019 16:17

|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 96    | Resp: | 160    |
| Ion      | Ratio | Lower | Upper  |
| 96       | 100   |       |        |
| 61       | 0.0   | 171.8 | 257.8# |
| 98       | 0.0   | 54.2  | 81.4#  |



Abundance Ion 96.00 (95.70 to 96.70): VF0  
Ion 61.00 (60.70 to 61.70): VF0  
Ion 98.00 (97.70 to 98.70): VF0



#13

Acrolein

Concen: 1118.486 ug/l

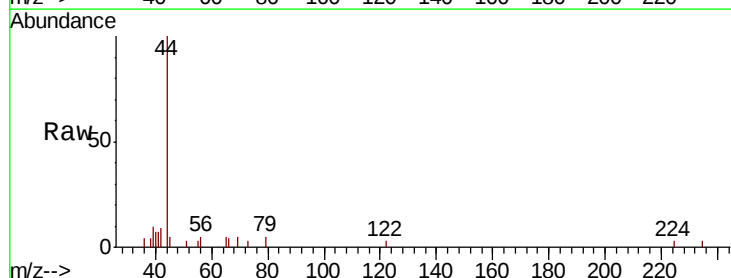
RT: 2.11 min Scan# 150

Delta R.T. 0.11 min

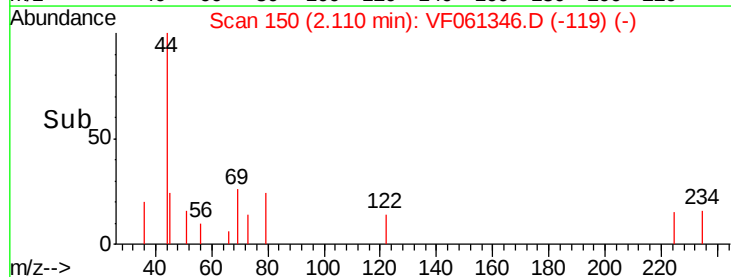
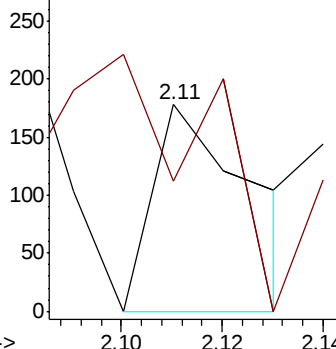
Lab File: VF061346.D

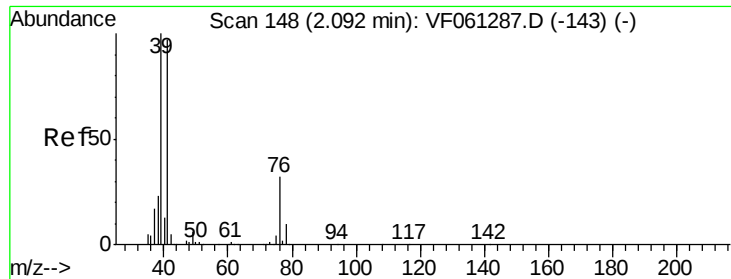
Acq: 10 Jan 2019 16:17

|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 56    | Resp: | 239   |
| Ion      | Ratio | Lower | Upper |
| 56       | 100   |       |       |
| 55       | 62.9  | 59.4  | 89.0  |



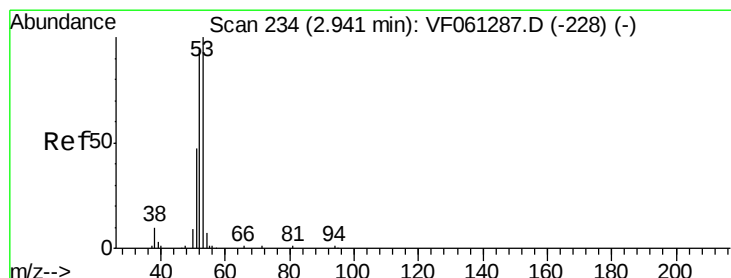
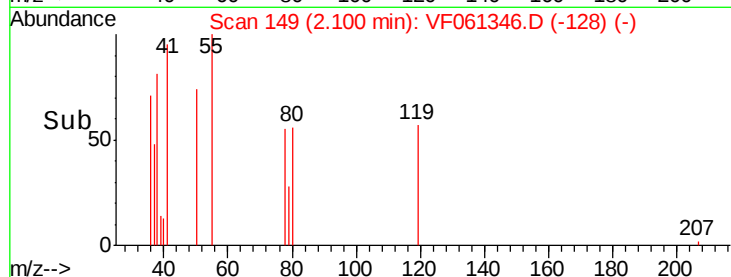
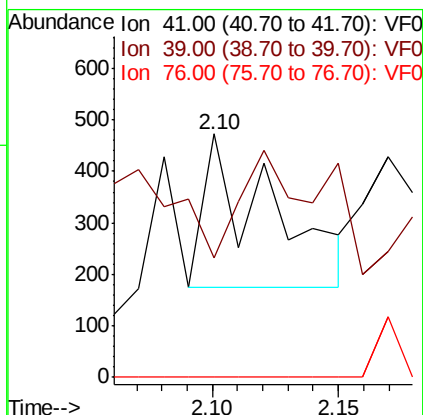
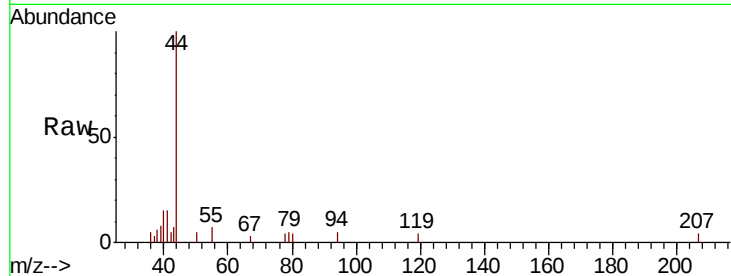
Abundance Ion 56.00 (55.70 to 56.70): VF0  
Ion 55.00 (54.70 to 55.70): VF0





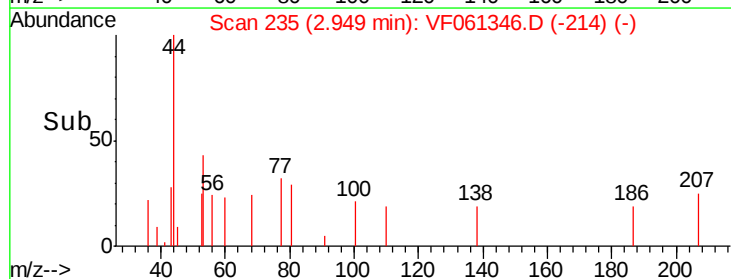
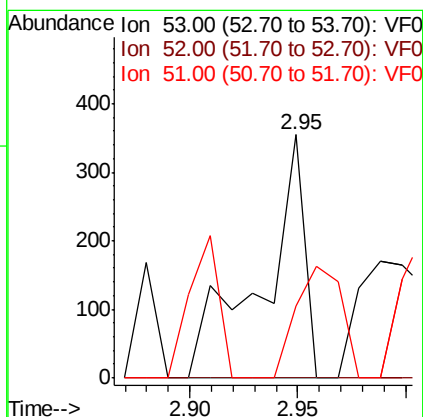
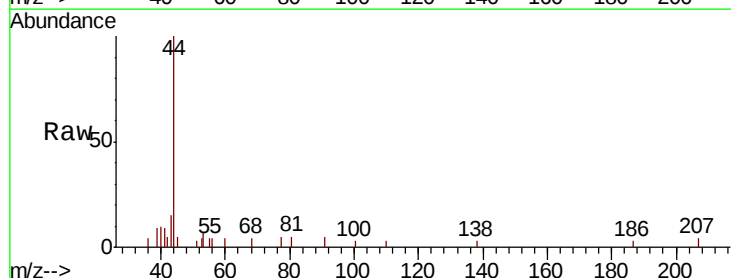
#14  
 Allyl chloride  
 Concen: 60.445 ug/l  
 RT: 2.10 min Scan# 149  
 Delta R.T. 0.01 min  
 Lab File: VF061346.D  
 Acq: 10 Jan 2019 16:17

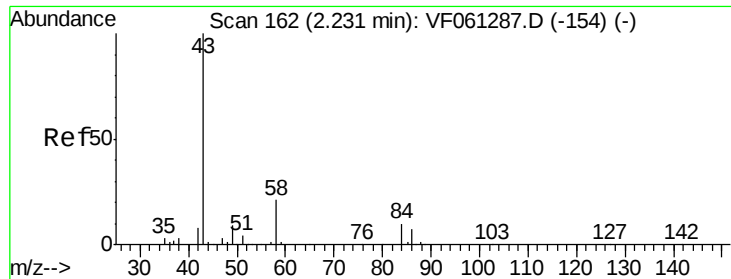
Tgt Ion: 41 Resp: 548  
 Ion Ratio Lower Upper  
 41 100  
 39 49.0 82.6 123.8#  
 76 0.0 26.9 40.3#



#15  
 Acrylonitrile  
 Concen: 651.760 ug/l  
 RT: 2.95 min Scan# 235  
 Delta R.T. 0.01 min  
 Lab File: VF061346.D  
 Acq: 10 Jan 2019 16:17

Tgt Ion: 53 Resp: 486  
 Ion Ratio Lower Upper  
 53 100  
 52 0.0 74.6 111.8#  
 51 29.6 37.8 56.6#





#16

Acetone

Concen: 670.144 ug/l

RT: 2.26 min Scan# 165

Delta R.T. 0.03 min

Lab File: VF061346.D

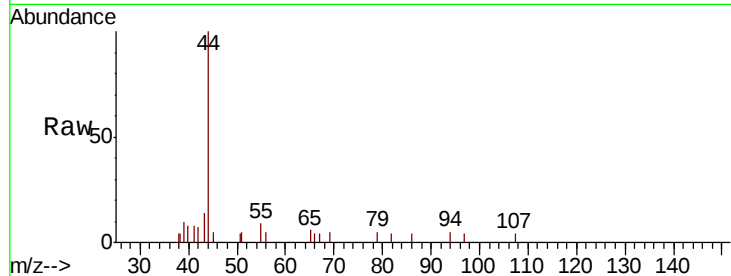
Acq: 10 Jan 2019 16:17

Tgt Ion: 43 Resp: 819

Ion Ratio Lower Upper

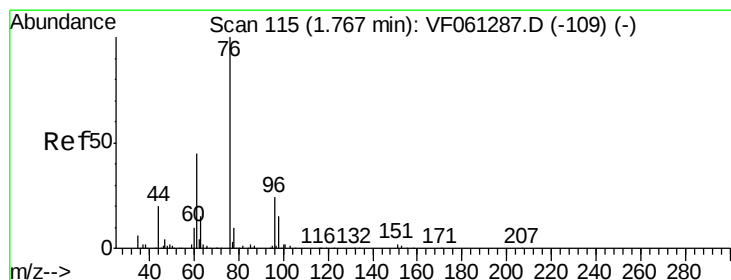
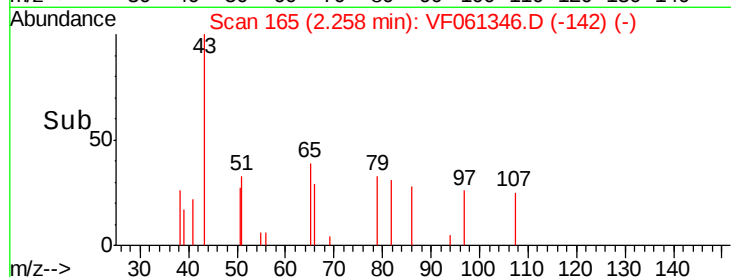
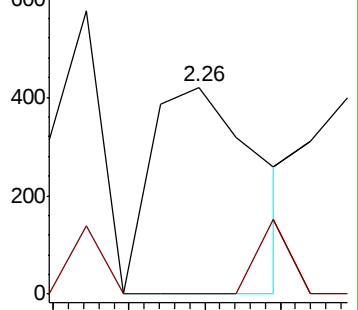
43 100

58 0.0 16.6 25.0#



Abundance Ion 43.00 (42.70 to 43.70): VF0

Ion 58.00 (57.70 to 58.70): VF0



#17

Carbon Disulfide

Concen: 3.601 ug/l

RT: 1.76 min Scan# 114

Delta R.T. -0.01 min

Lab File: VF061346.D

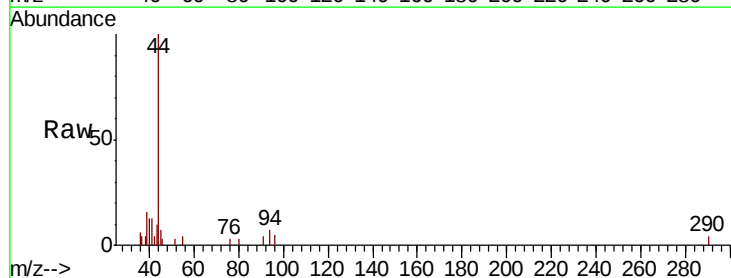
Acq: 10 Jan 2019 16:17

Tgt Ion: 76 Resp: 59

Ion Ratio Lower Upper

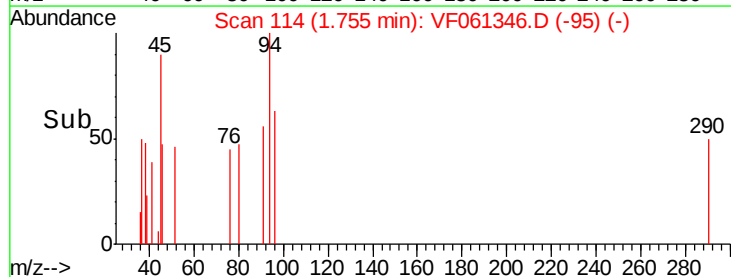
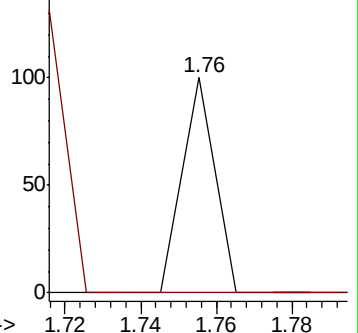
76 100

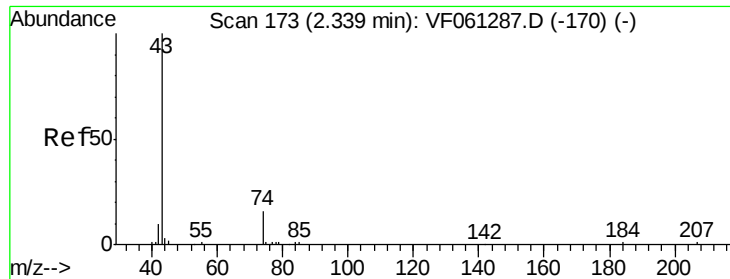
78 0.0 7.8 11.6#



Abundance Ion 76.00 (75.70 to 76.70): VF0

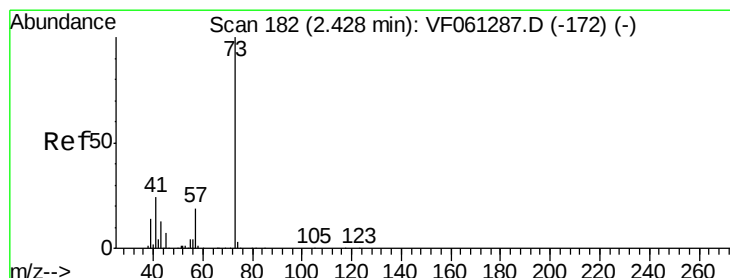
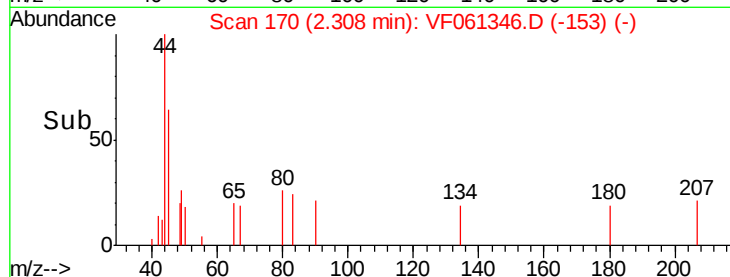
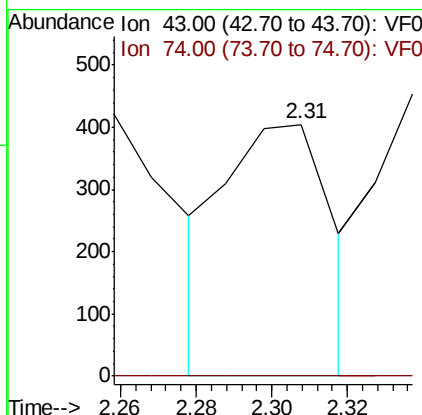
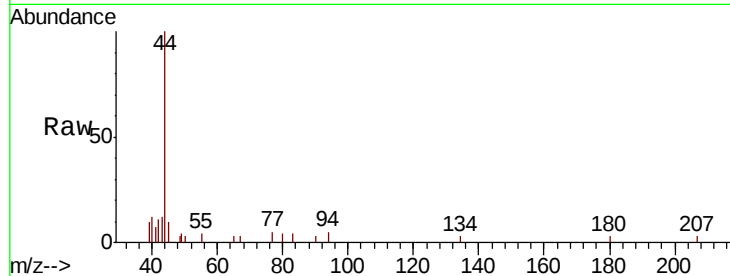
Ion 150.00 (149.70 to 150.70): VF0





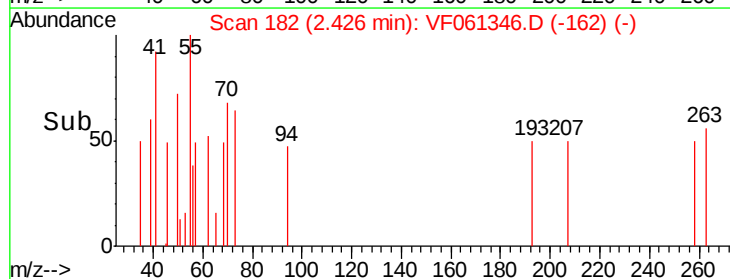
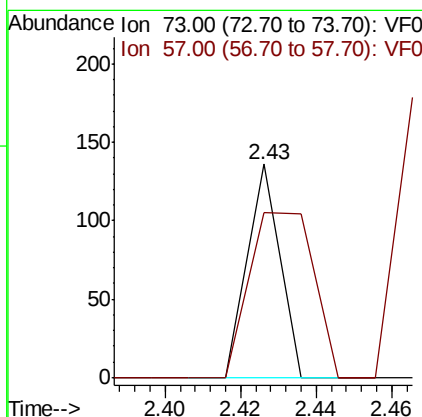
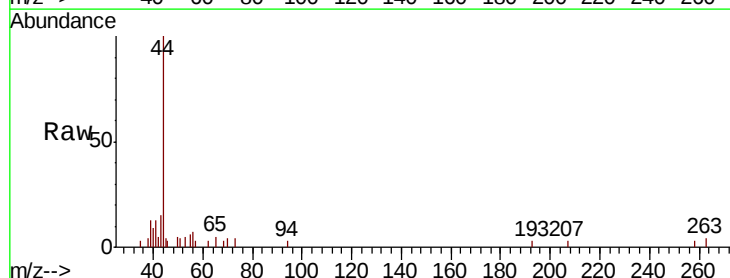
#18  
Methyl Acetate  
Concen: 329.801 ug/l  
RT: 2.31 min Scan# 170  
Delta R.T. -0.03 min  
Lab File: VF061346.D  
Acq: 10 Jan 2019 16:17

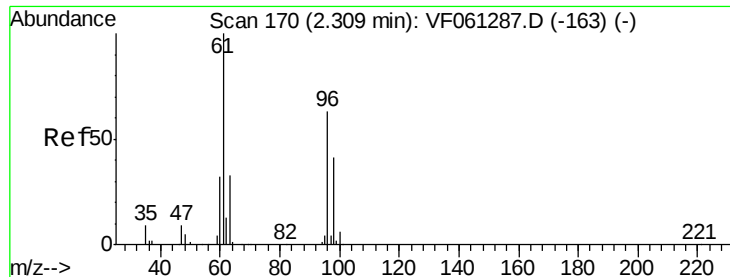
Tgt Ion: 43 Resp: 793  
Ion Ratio Lower Upper  
43 100  
74 0.0 11.6 17.4#



#19  
Methyl tert-butyl Ether  
Concen: 8.464 ug/l  
RT: 2.43 min Scan# 182  
Delta R.T. -0.00 min  
Lab File: VF061346.D  
Acq: 10 Jan 2019 16:17

Tgt Ion: 73 Resp: 80  
Ion Ratio Lower Upper  
73 100  
57 77.2 15.5 23.3#





#21

trans-1,2-Dichloroethene

Concen: 11.606 ug/l

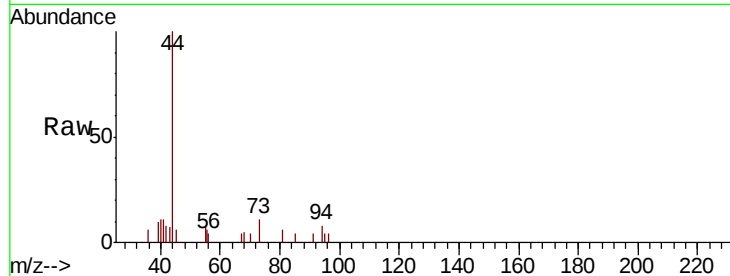
RT: 2.35 min Scan# 174

Delta R.T. 0.04 min

Lab File: VF061346.D

Acq: 10 Jan 2019 16:17

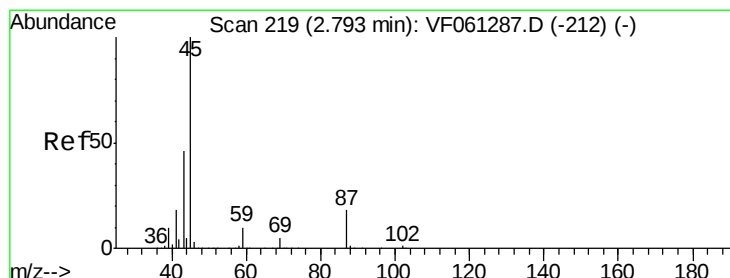
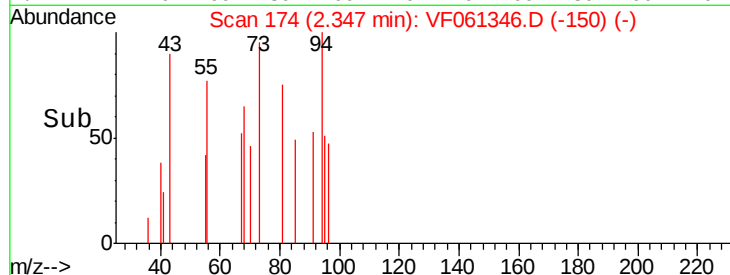
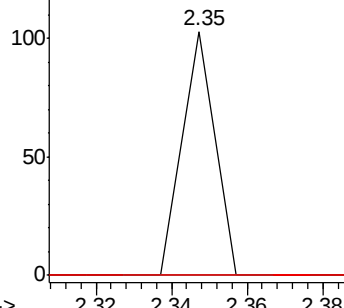
|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 96    | Resp: | 61     |
| Ion      | Ratio | Lower | Upper  |
| 96       | 100   |       |        |
| 61       | 0.0   | 127.0 | 190.4# |
| 98       | 0.0   | 51.7  | 77.5#  |



Abundance Ion 96.00 (95.70 to 96.70): VF0

Ion 61.00 (60.70 to 61.70): VF0

Ion 98.00 (97.70 to 98.70): VF0



#22

Diisopropyl ether

Concen: 17.845 ug/l

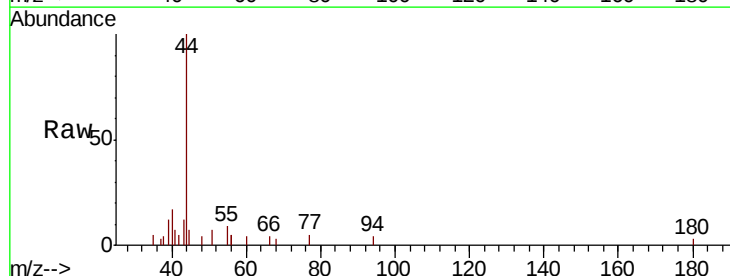
RT: 2.78 min Scan# 218

Delta R.T. -0.01 min

Lab File: VF061346.D

Acq: 10 Jan 2019 16:17

|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 45    | Resp: | 313   |
| Ion      | Ratio | Lower | Upper |
| 45       | 100   |       |       |
| 43       | 166.5 | 37.4  | 56.2# |
| 87       | 0.0   | 14.2  | 21.2# |
| 59       | 0.0   | 8.2   | 12.2# |

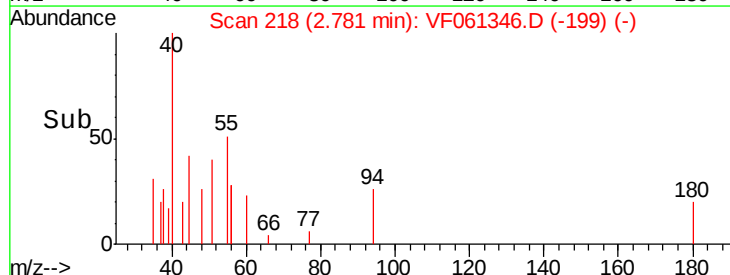
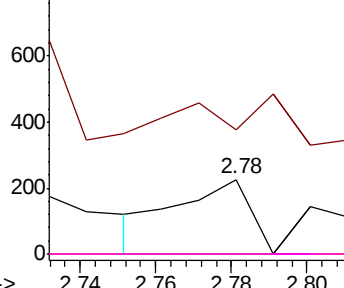


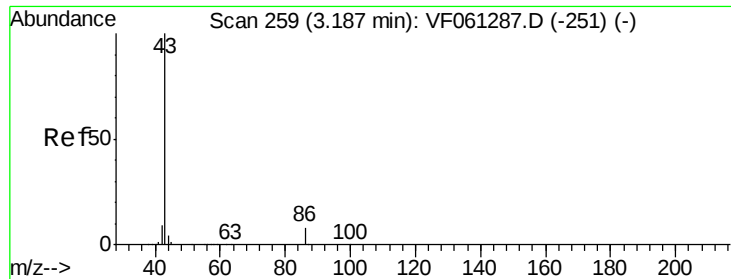
Abundance Ion 45.00 (44.70 to 45.70): VF0

Ion 43.00 (42.70 to 43.70): VF0

Ion 87.00 (86.70 to 87.70): VF0

Ion 59.00 (58.70 to 59.70): VF0





#23

Vinyl Acetate

Concen: 72.328 ug/l

RT: 3.23 min Scan# 264

Delta R.T. 0.05 min

Lab File: VF061346.D

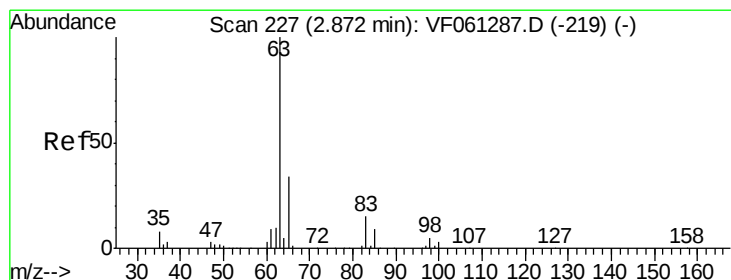
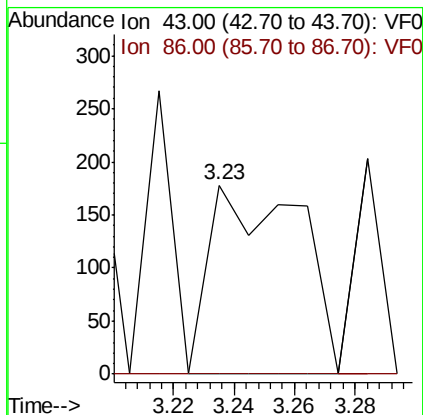
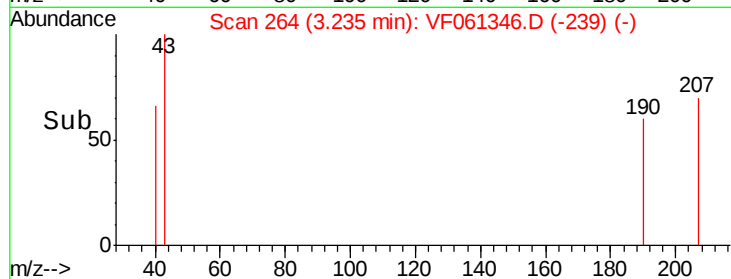
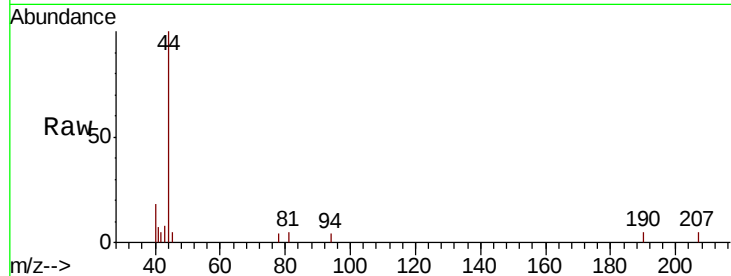
Acq: 10 Jan 2019 16:17

Tgt Ion: 43 Resp: 371

Ion Ratio Lower Upper

43 100

86 0.0 6.5 9.7#



#24

1,1-Dichloroethane

Concen: 6.012 ug/l

RT: 2.81 min Scan# 221

Delta R.T. -0.06 min

Lab File: VF061346.D

Acq: 10 Jan 2019 16:17

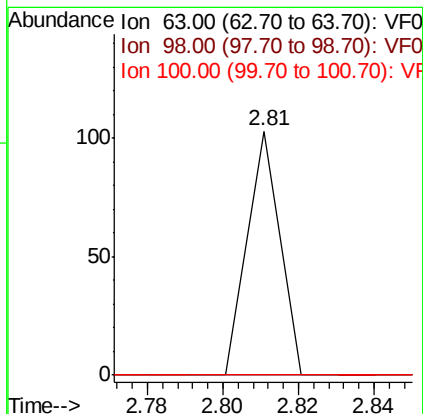
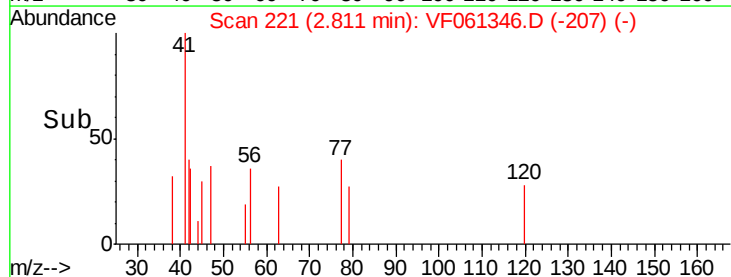
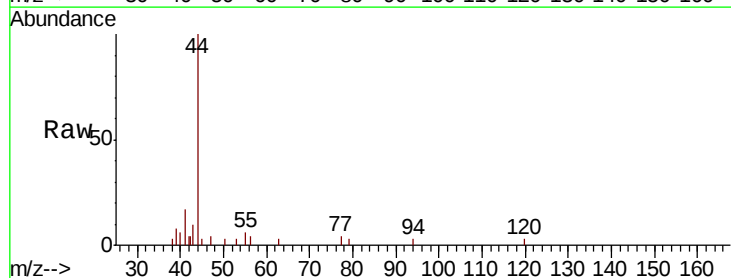
Tgt Ion: 63 Resp: 61

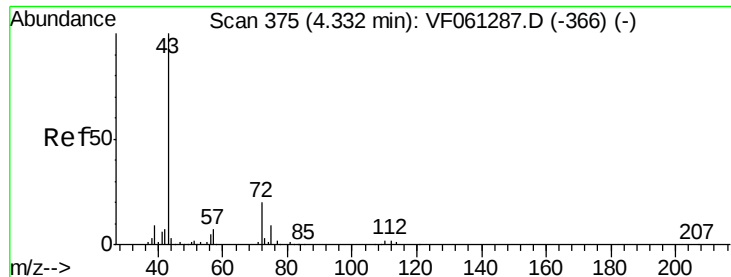
Ion Ratio Lower Upper

63 100

98 0.0 2.5 7.6#

100 0.0 1.7 5.0#





#25

2-Butanone

Concen: 97.102 ug/l

RT: 4.31 min Scan# 373

Delta R.T. -0.02 min

Lab File: VF061346.D

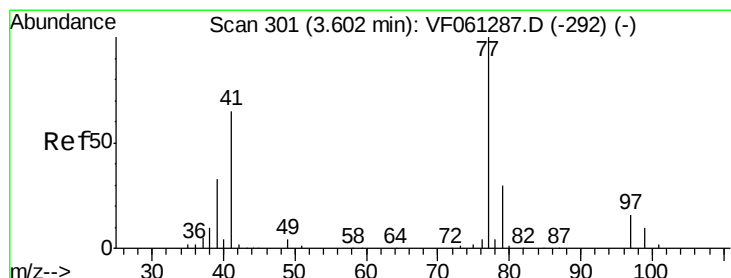
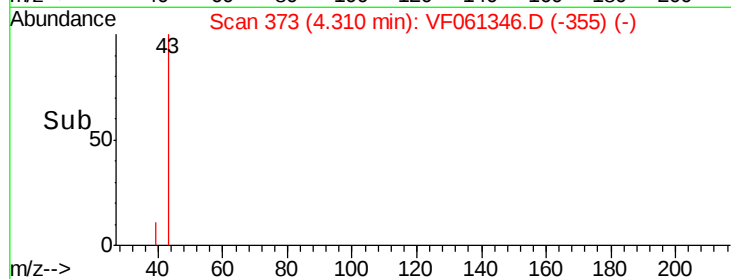
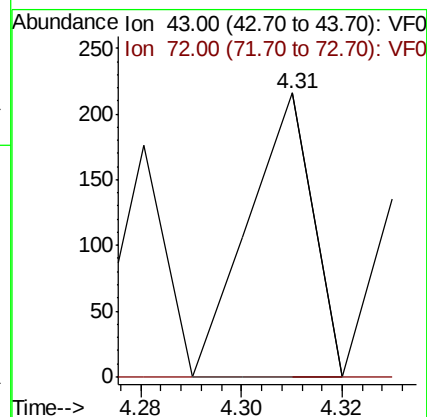
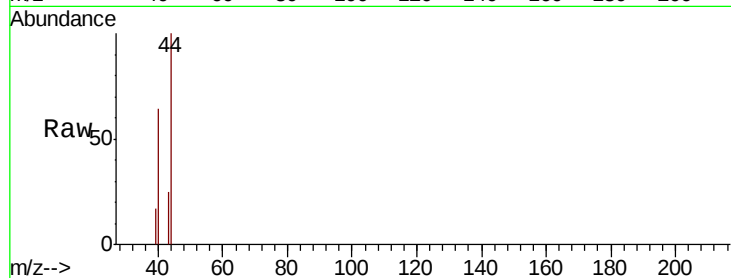
Acq: 10 Jan 2019 16:17

Tgt Ion: 43 Resp: 191

Ion Ratio Lower Upper

43 100

72 0.0 16.5 24.7#



#26

2,2-Dichloropropane

Concen: 9.735 ug/l

RT: 3.58 min Scan# 299

Delta R.T. -0.02 min

Lab File: VF061346.D

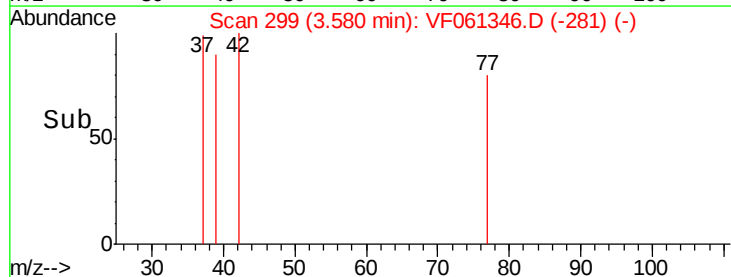
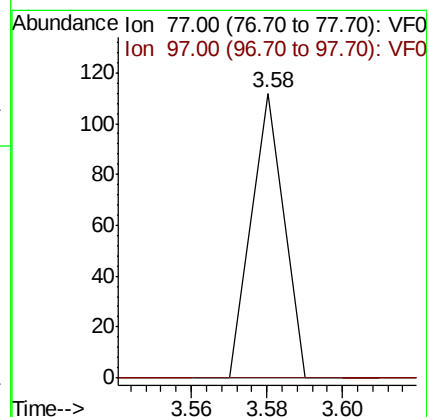
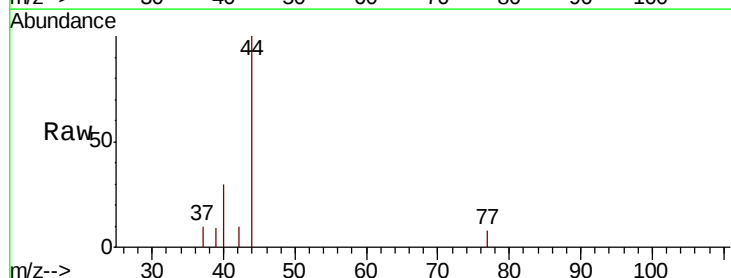
Acq: 10 Jan 2019 16:17

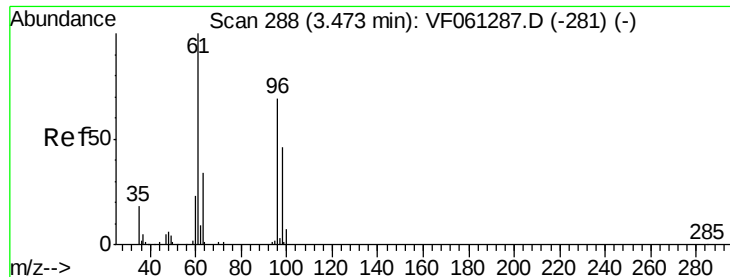
Tgt Ion: 77 Resp: 66

Ion Ratio Lower Upper

77 100

97 0.0 8.6 25.9#

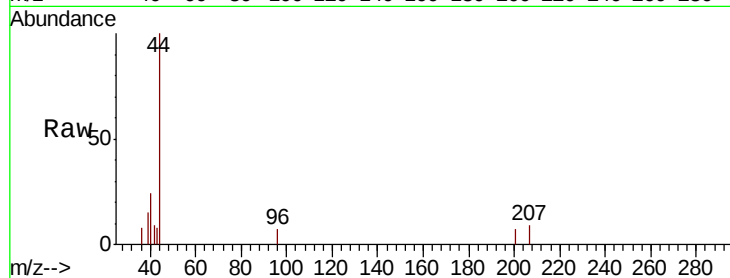




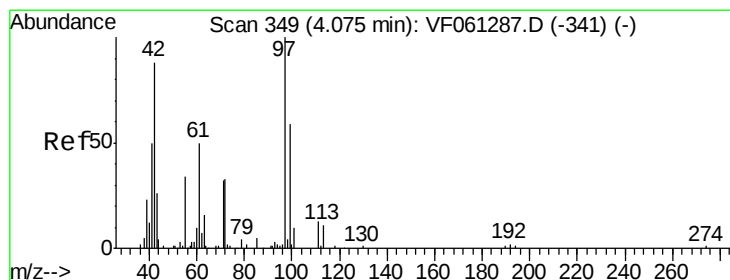
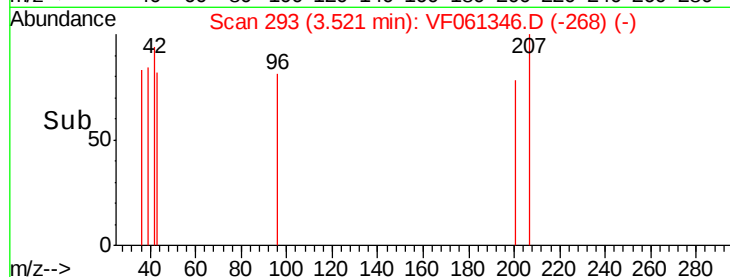
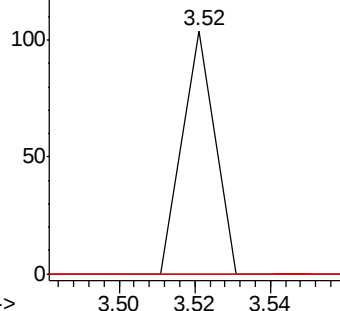
#27

cis-1,2-Dichloroethene  
Concen: 8.449 ug/l  
RT: 3.52 min Scan# 293  
Delta R.T. 0.05 min  
Lab File: VF061346.D  
Acq: 10 Jan 2019 16:17

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 96      | 100   |       |       |
| 61      | 0.0   | 0.0   | 288.2 |
| 98      | 0.0   | 0.0   | 132.2 |



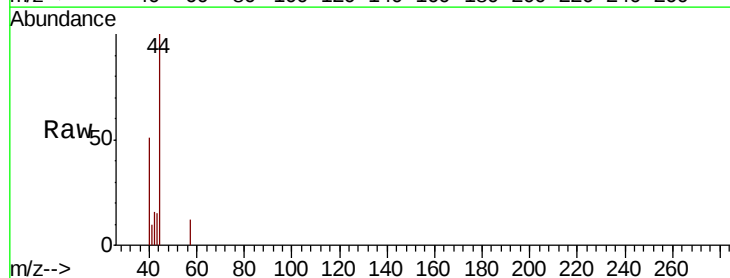
Abundance Ion 96.00 (95.70 to 96.70): VF0  
Ion 61.00 (60.70 to 61.70): VF0  
Ion 98.00 (97.70 to 98.70): VF0



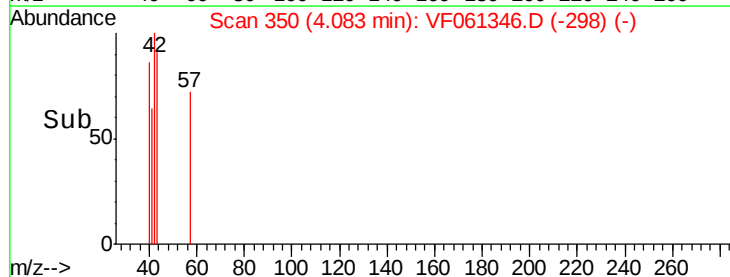
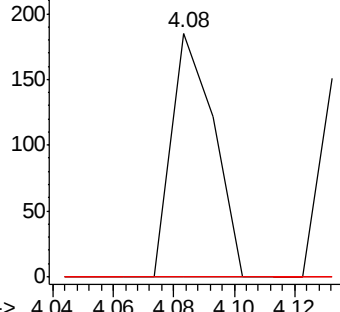
#29

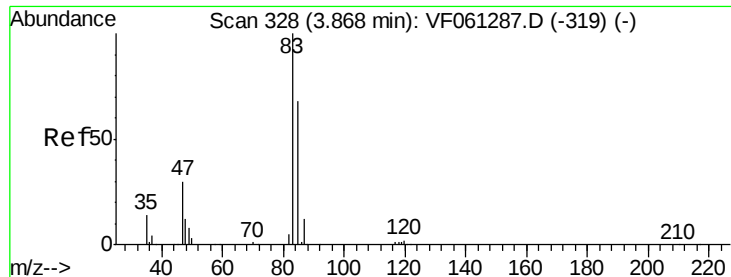
Tetrahydrofuran  
Concen: 221.298 ug/l  
RT: 4.08 min Scan# 350  
Delta R.T. 0.01 min  
Lab File: VF061346.D  
Acq: 10 Jan 2019 16:17

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 42      | 100   |       |       |
| 72      | 0.0   | 32.3  | 48.5# |
| 71      | 0.0   | 29.5  | 44.3# |



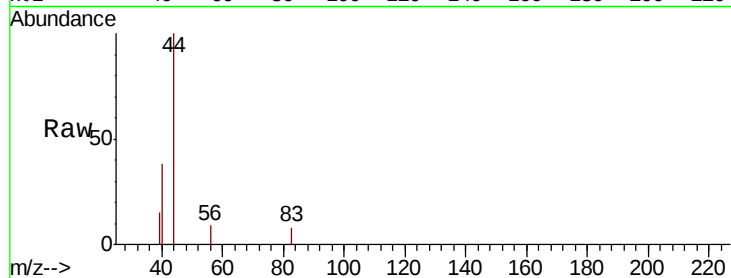
Abundance Ion 42.00 (41.70 to 42.70): VF0  
Ion 72.00 (71.70 to 72.70): VF0  
Ion 71.00 (70.70 to 71.70): VF0



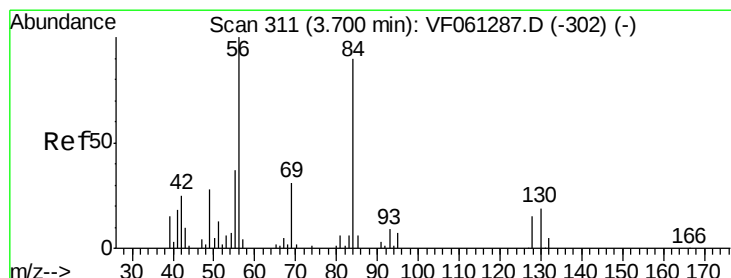
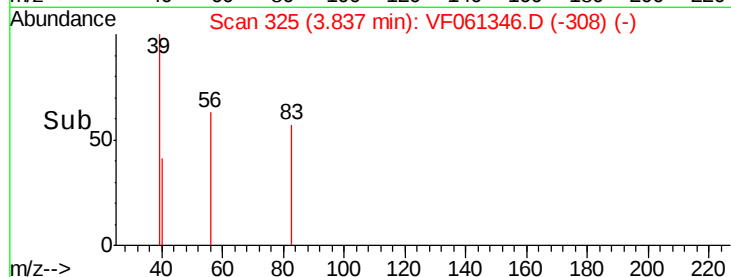
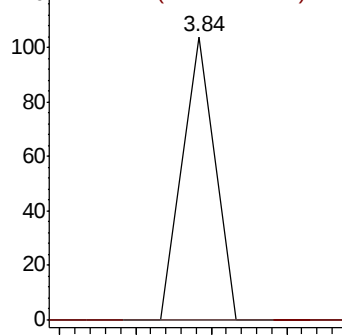


#30  
Chloroform  
Concen: 4.814 ug/l  
RT: 3.84 min Scan# 325  
Delta R.T. -0.03 min  
Lab File: VF061346.D  
Acq: 10 Jan 2019 16:17

Tgt Ion: 83 Resp: 62  
Ion Ratio Lower Upper  
83 100  
85 0.0 54.4 81.6#

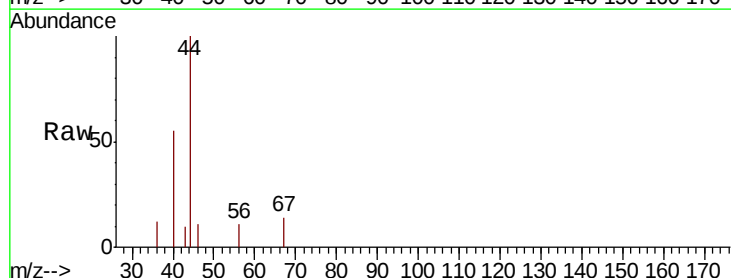


Abundance Ion 83.00 (82.70 to 83.70): VF0  
Ion 85.00 (84.70 to 85.70): VF0

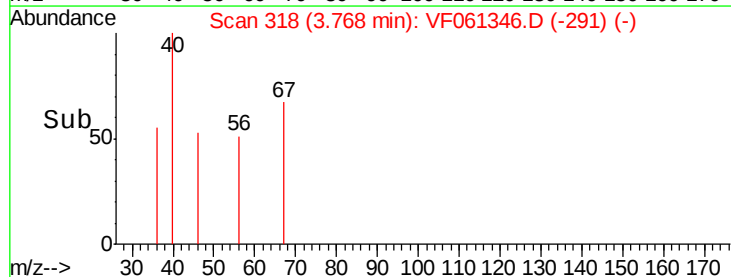
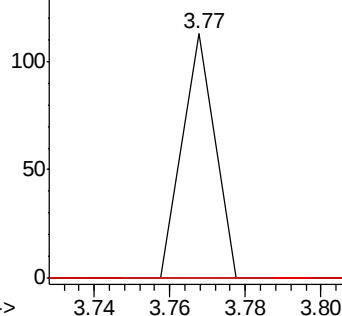


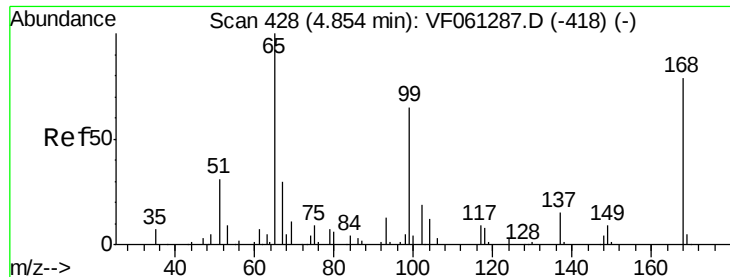
#31  
Cyclohexane  
Concen: 6.295 ug/l  
RT: 3.77 min Scan# 318  
Delta R.T. 0.07 min  
Lab File: VF061346.D  
Acq: 10 Jan 2019 16:17

Tgt Ion: 56 Resp: 67  
Ion Ratio Lower Upper  
56 100  
69 0.0 24.7 37.1#  
84 0.0 72.2 108.4#



Abundance Ion 56.00 (55.70 to 56.70): VF0  
Ion 69.00 (68.70 to 69.70): VF0  
Ion 84.00 (83.70 to 84.70): VF0





#33

1,2-Dichloroethane-d4

Concen: 15.037 ug/l

RT: 4.86 min Scan# 429

Delta R.T. 0.01 min

Lab File: VF061346.D

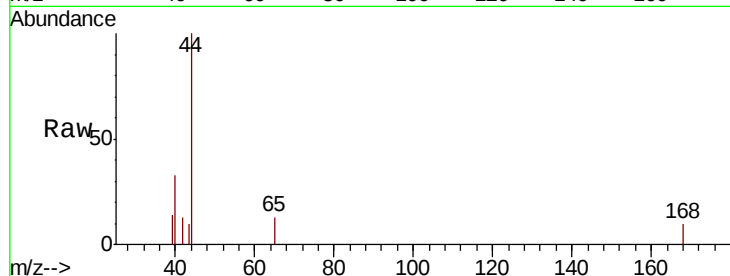
Acq: 10 Jan 2019 16:17

Tgt Ion: 65 Resp: 79

Ion Ratio Lower Upper

65 100

67 0.0 0.0 98.2



Abundance Ion 65.00 (64.70 to 65.70): VF0

Ion 67.00 (66.70 to 67.70): VF0

4.86

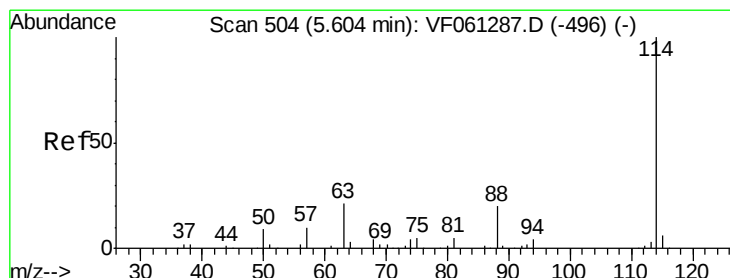
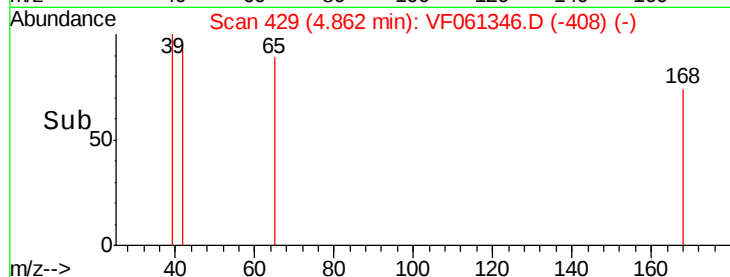
100

50

0

Time-->

4.84 4.86 4.88



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 5.60 min Scan# 504

Delta R.T. -0.00 min

Lab File: VF061346.D

Acq: 10 Jan 2019 16:17

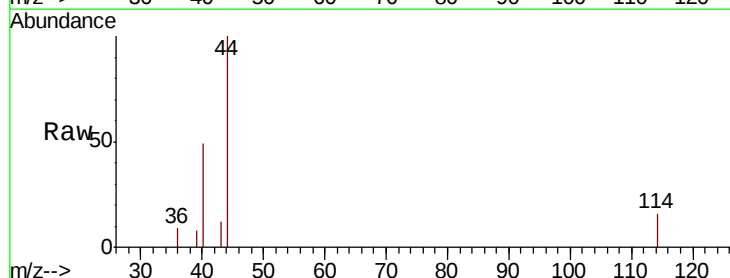
Tgt Ion: 114 Resp: 389

Ion Ratio Lower Upper

114 100

63 0.0 0.0 42.8

88 0.0 0.0 40.0



Abundance Ion 114.00 (113.70 to 114.70): V

Ion 63.00 (62.70 to 63.70): VF0

Ion 88.00 (87.70 to 88.70): VF0

250

200

150

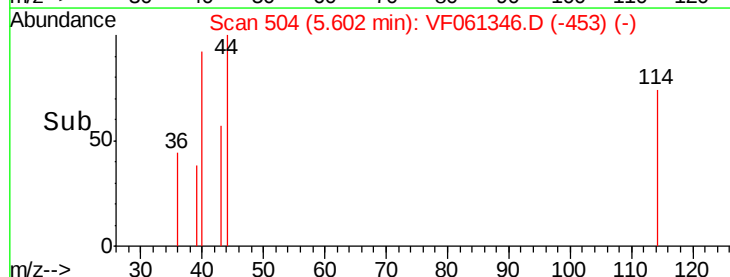
100

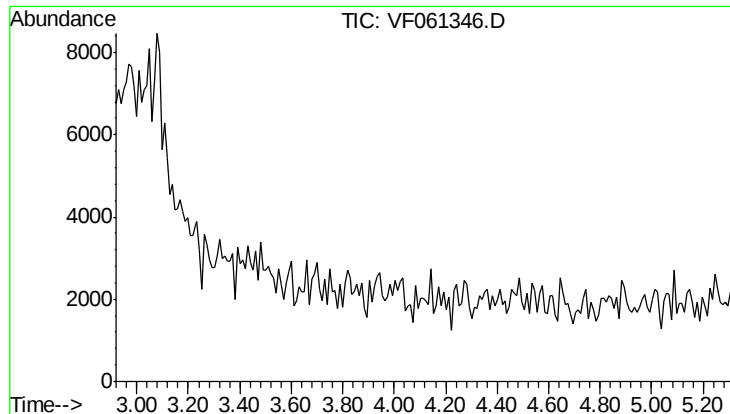
50

0

Time-->

5.55 5.60 5.65



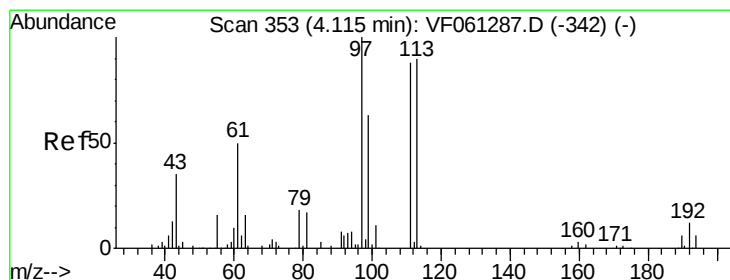
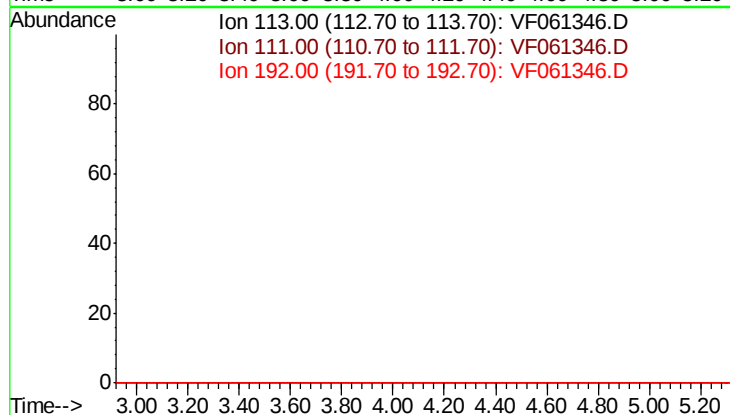


#35

Dibromofluoromethane  
Concen: 0.000 ug/l  
Expected RT: 4.11 min

Lab File: VF061346.D  
Acq: 10 Jan 2019 16:17

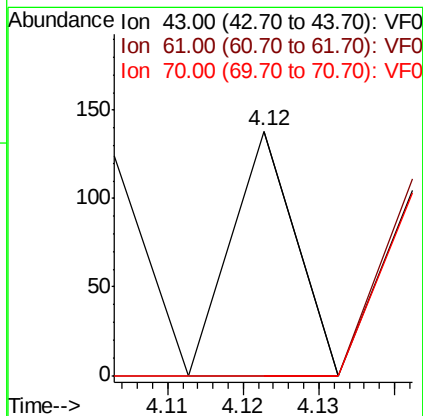
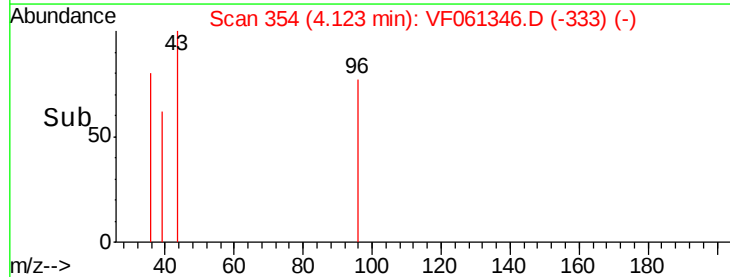
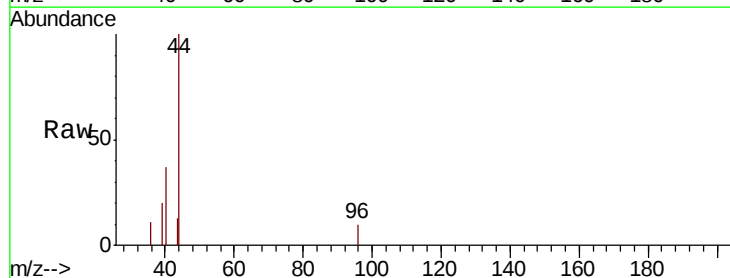
Tgt Ion: 113  
Sig Exp Ratio  
113 100  
111 97.5  
192 13.3

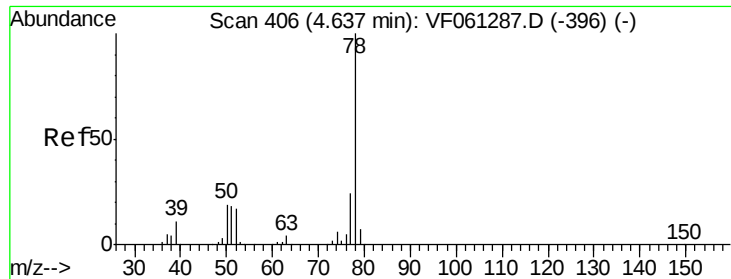


#37

Ethyl Acetate  
Concen: 49.570 ug/l  
RT: 4.12 min Scan# 354  
Delta R.T. 0.01 min  
Lab File: VF061346.D  
Acq: 10 Jan 2019 16:17

Tgt Ion: 43 Resp: 82  
Ion Ratio Lower Upper  
43 100  
61 0.0 113.3 169.9#  
70 0.0 9.4 14.0#





#40

Benzene

Concen: 5.846 ug/l

RT: 4.56 min Scan# 398

Delta R.T. -0.08 min

Lab File: VF061346.D

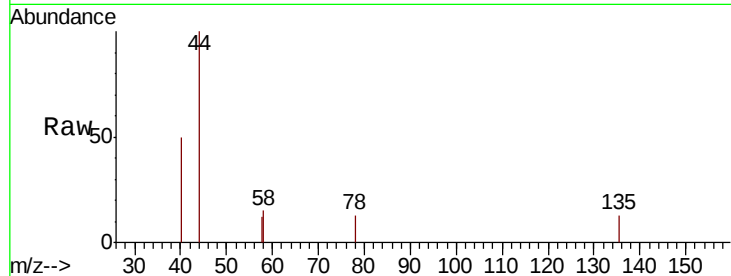
Acq: 10 Jan 2019 16:17

Tgt Ion: 78 Resp: 62

Ion Ratio Lower Upper

78 100

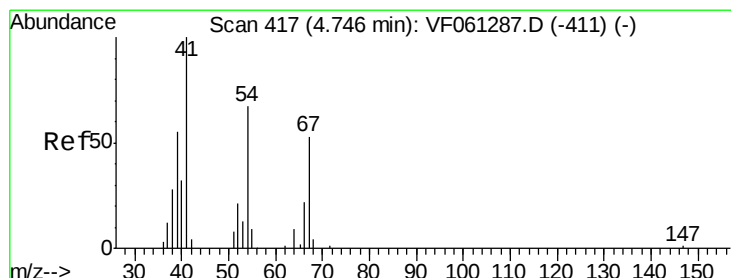
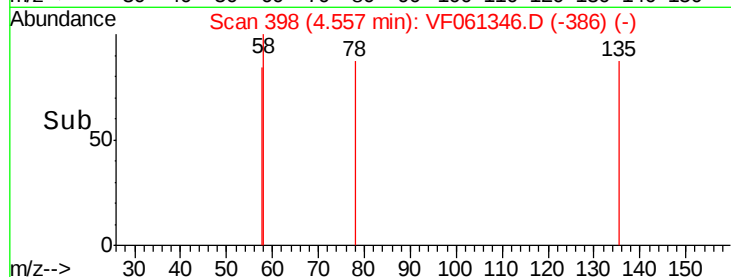
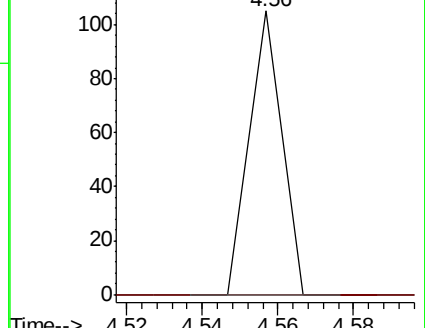
77 0.0 19.1 28.7#



Abundance Ion 78.10 (77.80 to 78.80): VF0

Ion 77.00 (76.70 to 77.70): VF0

4.56



#41

Methacrylonitrile

Concen: 203.511 ug/l

RT: 4.73 min Scan# 416

Delta R.T. -0.01 min

Lab File: VF061346.D

Acq: 10 Jan 2019 16:17

Tgt Ion: 41 Resp: 188

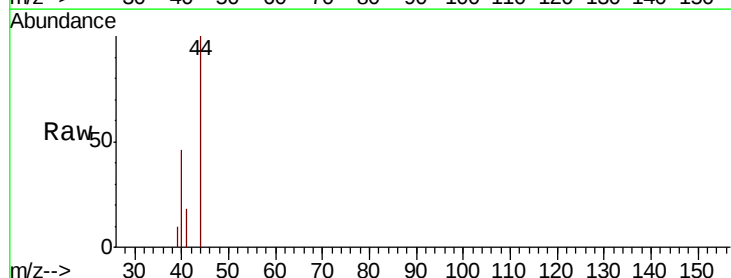
Ion Ratio Lower Upper

41 100

39 56.9 52.7 79.1

67 0.0 41.4 62.2#

52 0.0 33.0 49.4#



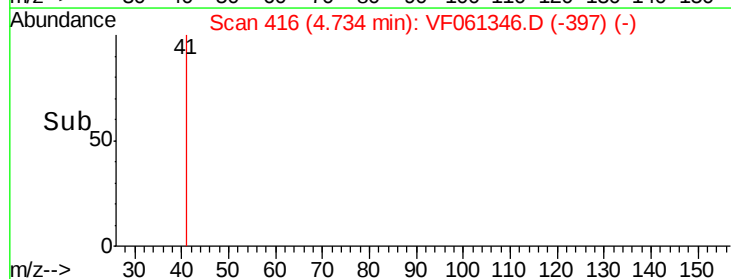
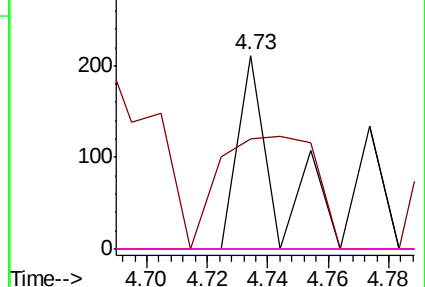
Abundance Ion 41.00 (40.70 to 41.70): VF0

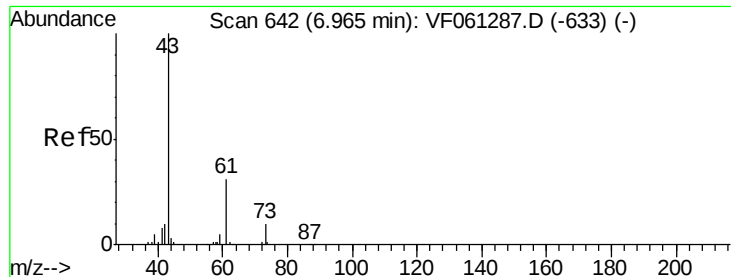
Ion 39.00 (38.70 to 39.70): VF0

Ion 67.00 (66.70 to 67.70): VF0

Ion 52.00 (51.70 to 52.70): VF0

4.73





#43

Isopropyl Acetate

Concen: 58.608 ug/l

RT: 6.95 min Scan# 641

Delta R.T. -0.01 min

Lab File: VF061346.D

Acq: 10 Jan 2019 16:17

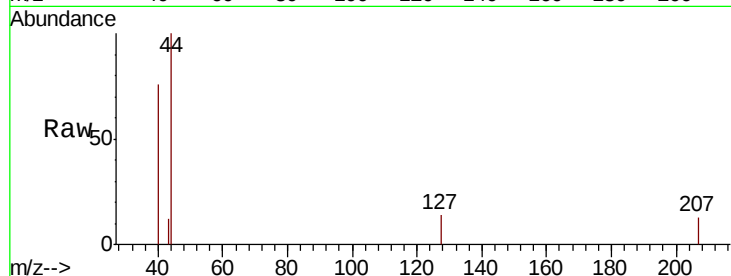
Tgt Ion: 43 Resp: 128

Ion Ratio Lower Upper

43 100

61 0.0 24.3 36.5#

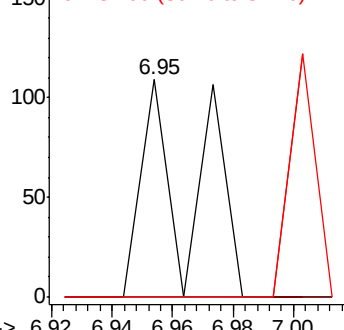
87 0.0 0.2 0.4#



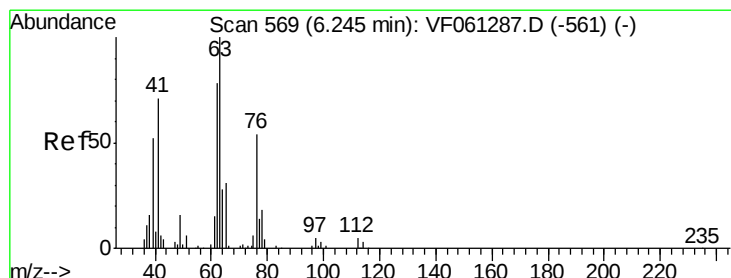
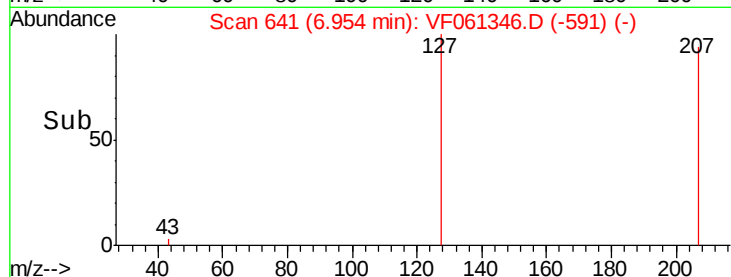
Abundance Ion 43.00 (42.70 to 43.70): VF0

Ion 61.00 (60.70 to 61.70): VF0

Ion 87.00 (86.70 to 87.70): VF0



Time-->



#45

1,2-Dichloropropane

Concen: 23.731 ug/l

RT: 6.37 min Scan# 582

Delta R.T. 0.13 min

Lab File: VF061346.D

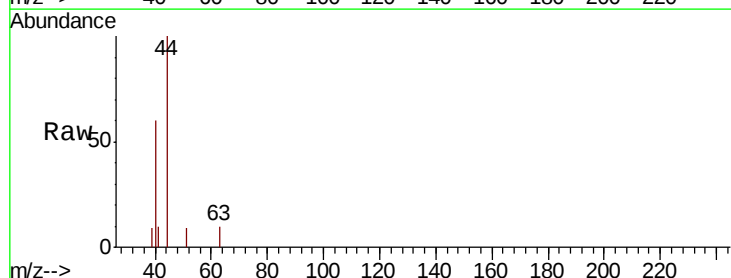
Acq: 10 Jan 2019 16:17

Tgt Ion: 63 Resp: 64

Ion Ratio Lower Upper

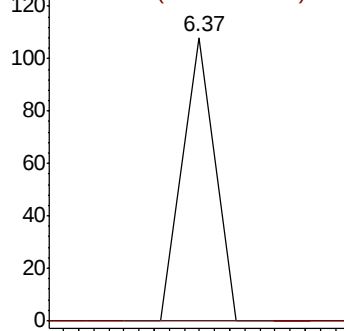
63 100

65 0.0 25.1 37.7#

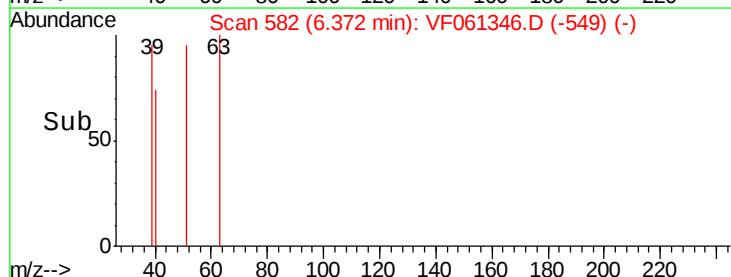


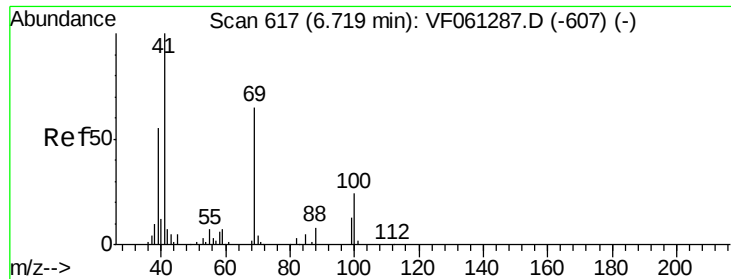
Abundance Ion 63.00 (62.70 to 63.70): VF0

Ion 65.00 (64.70 to 65.70): VF0



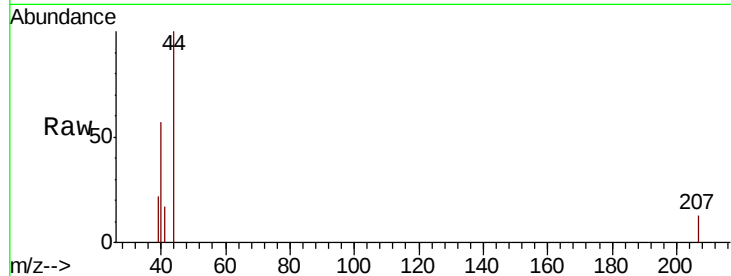
Time-->



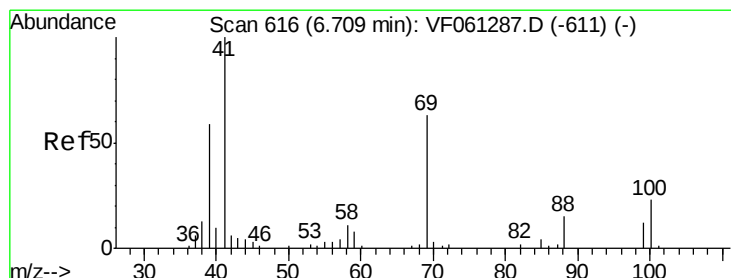
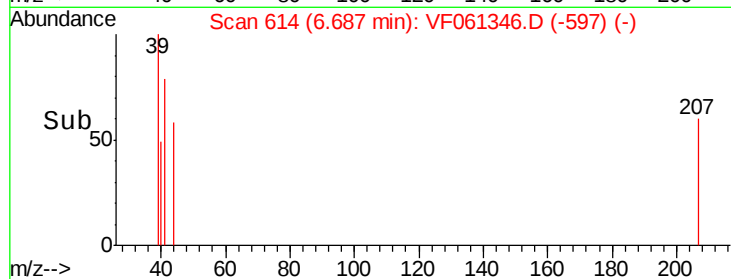
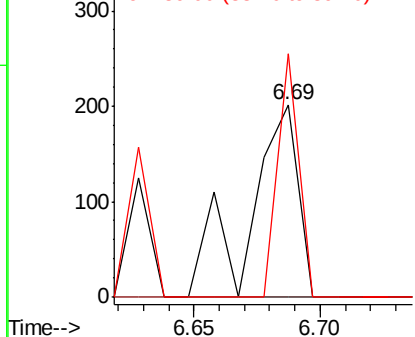


#48  
Methyl methacrylate  
Concen: 191.873 ug/l  
RT: 6.69 min Scan# 614  
Delta R.T. -0.03 min  
Lab File: VF061346.D  
Acq: 10 Jan 2019 16:17

Tgt Ion: 41 Resp: 272  
Ion Ratio Lower Upper  
41 100  
69 0.0 51.5 77.3#  
39 126.2 44.1 66.1#

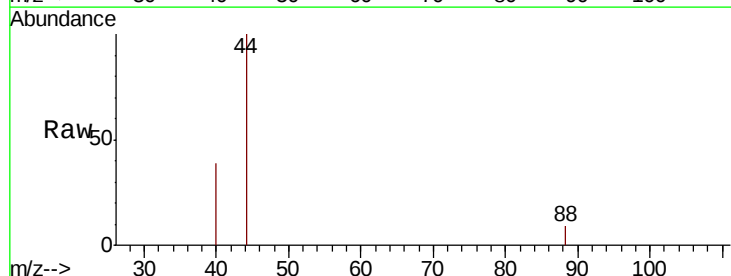


Abundance Ion 41.00 (40.70 to 41.70): VF0  
Ion 69.00 (68.70 to 69.70): VF0  
Ion 39.00 (38.70 to 39.70): VF0

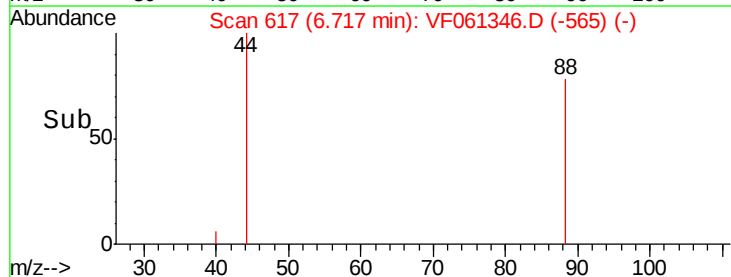
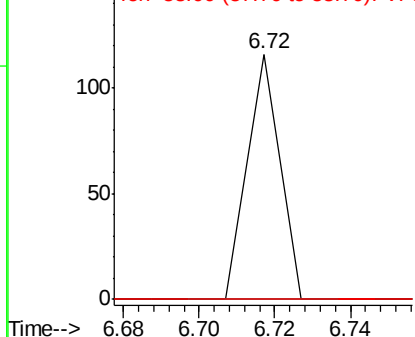


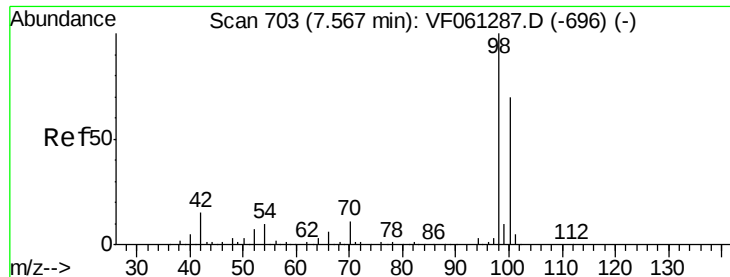
#49  
1,4-Dioxane  
Concen: 7713.878 ug/l  
RT: 6.72 min Scan# 617  
Delta R.T. 0.01 min  
Lab File: VF061346.D  
Acq: 10 Jan 2019 16:17

Tgt Ion: 88 Resp: 69  
Ion Ratio Lower Upper  
88 100  
43 0.0 38.5 57.7#  
58 0.0 57.0 85.4#



Abundance Ion 88.00 (87.70 to 88.70): VF0  
Ion 43.00 (42.70 to 43.70): VF0  
Ion 58.00 (57.70 to 58.70): VF0





#50

Toluene-d8

Concen: 57.901 ug/l

RT: 7.57 min Scan# 703

Delta R.T. -0.00 min

Lab File: VF061346.D

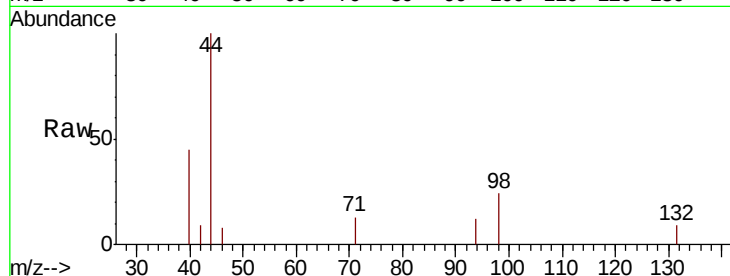
Acq: 10 Jan 2019 16:17

Tgt Ion: 98 Resp: 510

Ion Ratio Lower Upper

98 100

100 0.0 55.6 83.4#



Abundance Ion 98.00 (97.70 to 98.70): VF0

Ion 100.00 (99.70 to 100.70): VF0

7.57

300

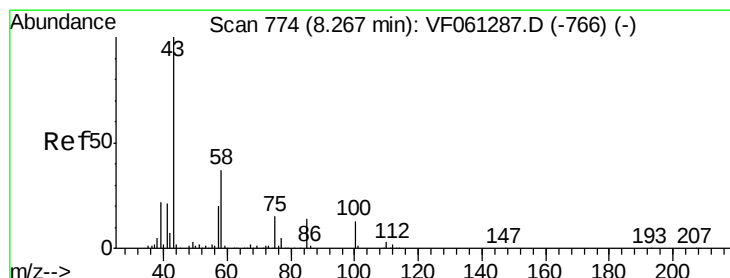
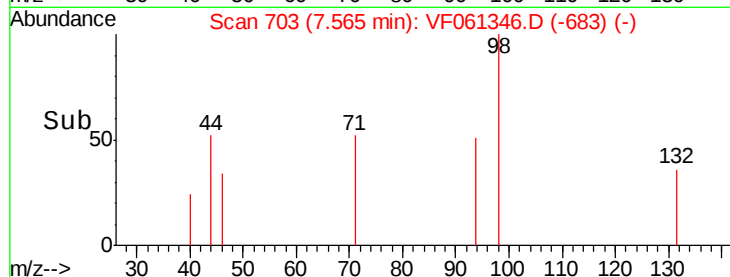
200

100

0

7.50 7.55 7.60

Time-->



#51

4-Methyl-2-Pentanone

Concen: 140.130 ug/l

RT: 8.28 min Scan# 775

Delta R.T. 0.01 min

Lab File: VF061346.D

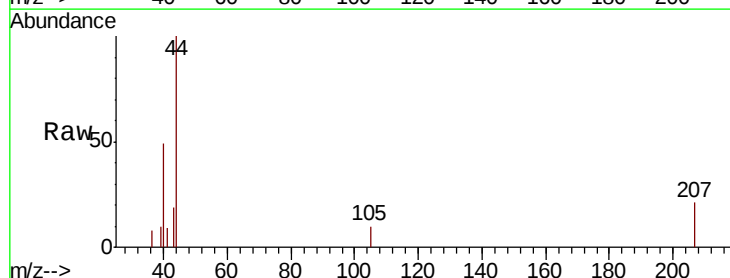
Acq: 10 Jan 2019 16:17

Tgt Ion: 43 Resp: 231

Ion Ratio Lower Upper

43 100

58 0.0 29.6 44.4#



Abundance Ion 43.00 (42.70 to 43.70): VF0

Ion 58.00 (57.70 to 58.70): VF0

8.28

250

200

150

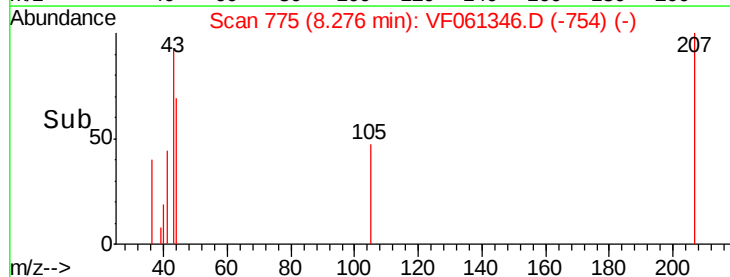
100

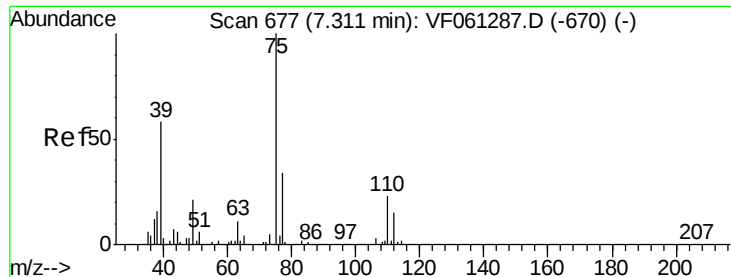
50

0

8.24 8.26 8.28 8.30 8.32

Time-->





#54

cis-1,3-Dichloropropene

Concen: 14.458 ug/l

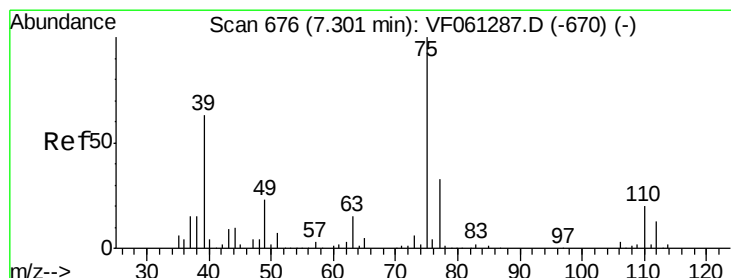
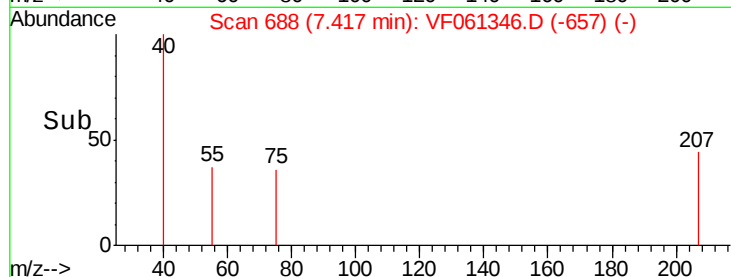
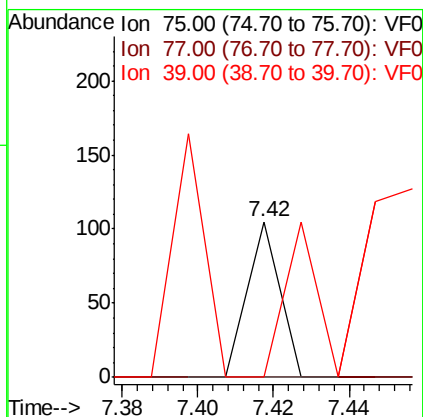
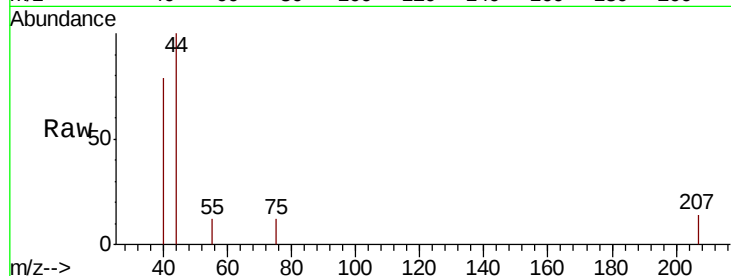
RT: 7.42 min Scan# 688

Delta R.T. 0.11 min

Lab File: VF061346.D

Acq: 10 Jan 2019 16:17

|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 75    | Resp: | 62    |
| Ion      | Ratio | Lower | Upper |
| 75       | 100   |       |       |
| 77       | 0.0   | 27.3  | 40.9# |
| 39       | 0.0   | 46.3  | 69.5# |



#58

2-Chloroethyl Vinyl ether

Concen: 704.456 ug/l

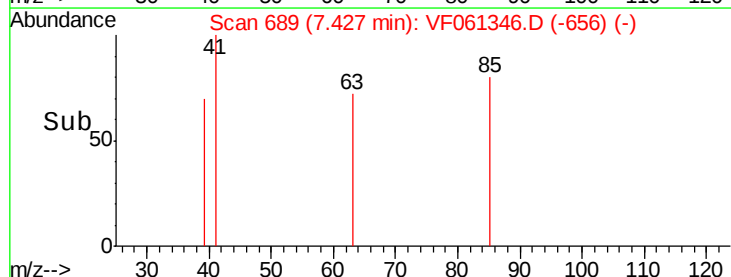
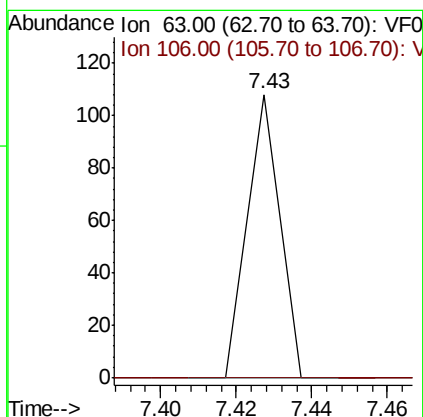
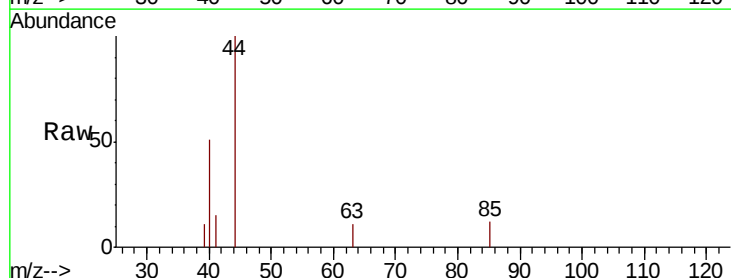
RT: 7.43 min Scan# 689

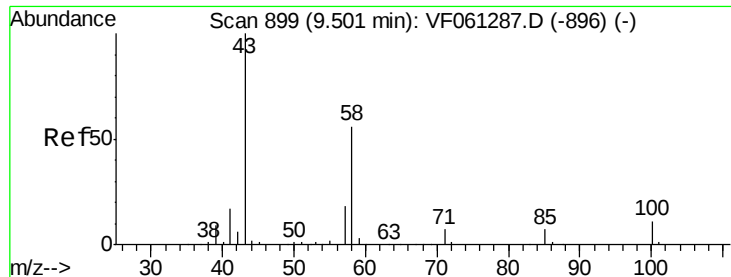
Delta R.T. 0.13 min

Lab File: VF061346.D

Acq: 10 Jan 2019 16:17

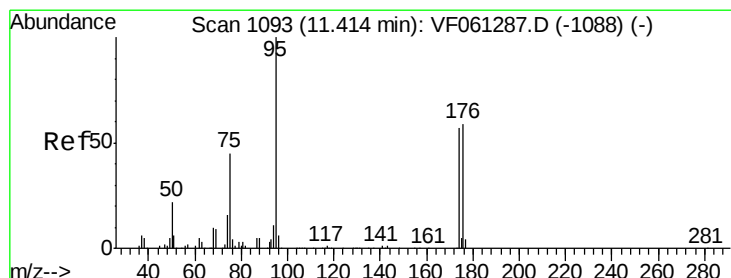
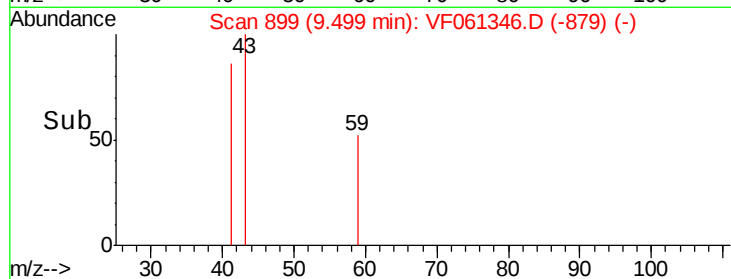
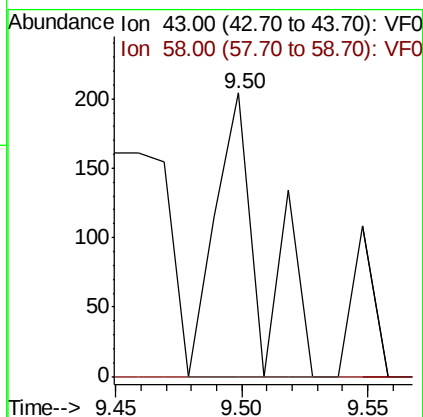
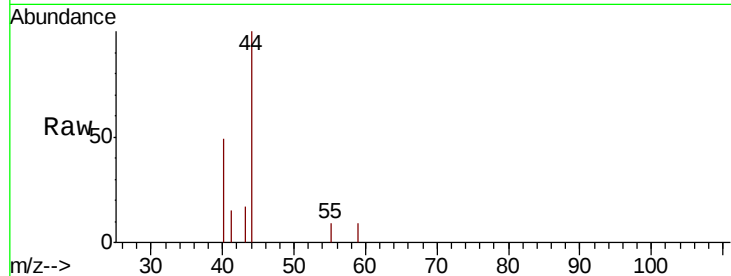
|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 63    | Resp: | 64    |
| Ion      | Ratio | Lower | Upper |
| 63       | 100   |       |       |
| 106      | 0.0   | 16.5  | 24.7# |





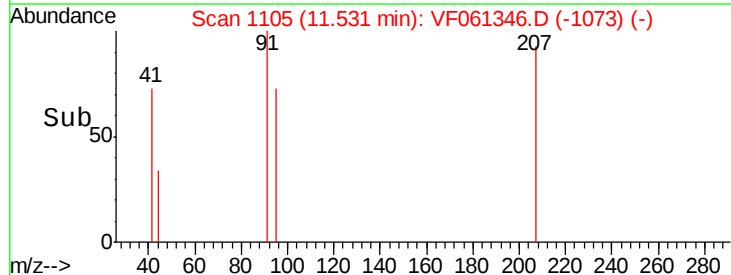
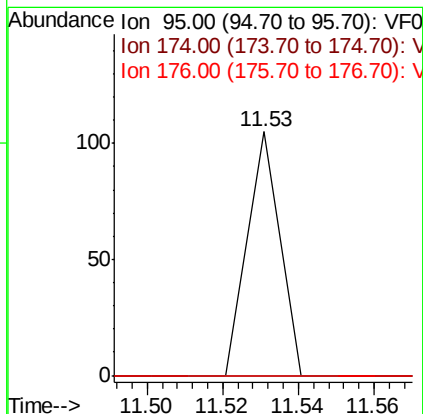
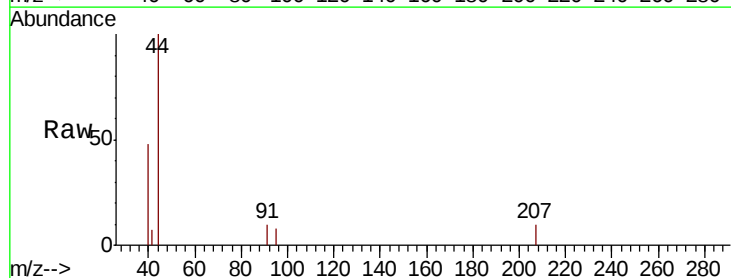
#59  
2-Hexanone  
Concen: 229.480 ug/l  
RT: 9.50 min Scan# 899  
Delta R.T. -0.00 min  
Lab File: VF061346.D  
Acq: 10 Jan 2019 16:17

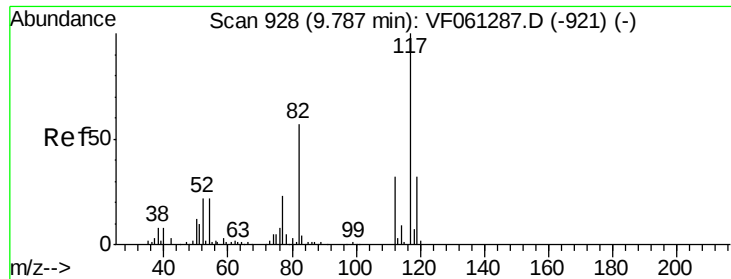
Tgt Ion: 43 Resp: 268  
Ion Ratio Lower Upper  
43 100  
58 0.0 25.6 76.8#



#62  
4-Bromofluorobenzene  
Concen: 16.120 ug/l  
RT: 11.53 min Scan# 1105  
Delta R.T. 0.12 min  
Lab File: VF061346.D  
Acq: 10 Jan 2019 16:17

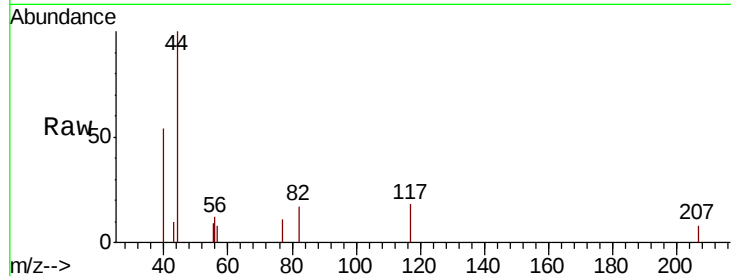
Tgt Ion: 95 Resp: 62  
Ion Ratio Lower Upper  
95 100  
174 0.0 0.0 114.2  
176 0.0 0.0 117.8



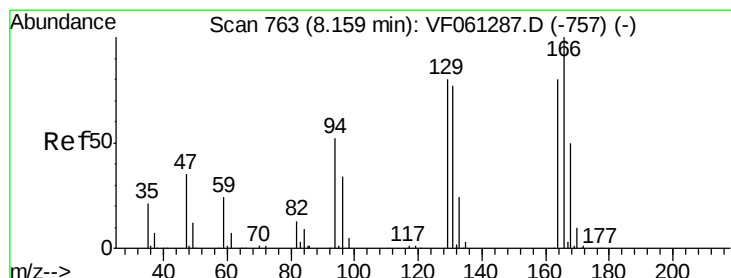
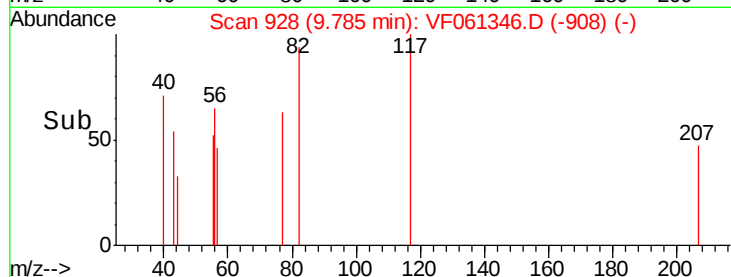
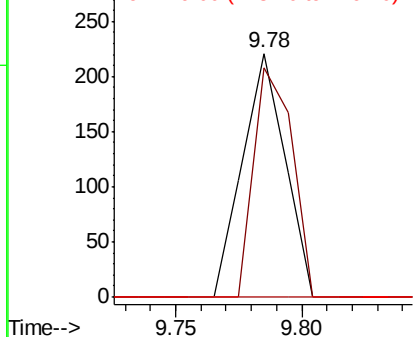


#63  
Chlorobenzene-d5  
Concen: 50.000 ug/l  
RT: 9.78 min Scan# 928  
Delta R.T. -0.00 min  
Lab File: VF061346.D  
Acq: 10 Jan 2019 16:17

Tgt Ion:117 Resp: 260  
Ion Ratio Lower Upper  
117 100  
82 94.1 45.3 67.9#  
119 0.0 25.4 38.0#

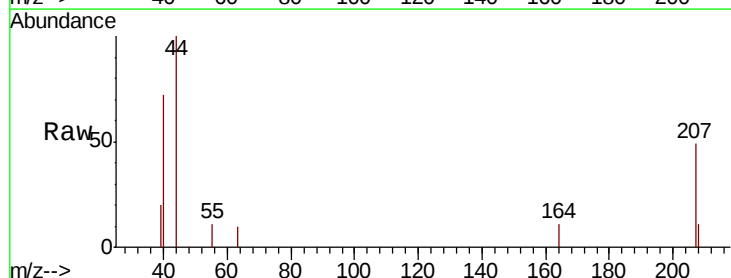


Abundance Ion 117.00 (116.70 to 117.70): V  
Ion 82.00 (81.70 to 82.70): VF0  
Ion 119.00 (118.70 to 119.70): V

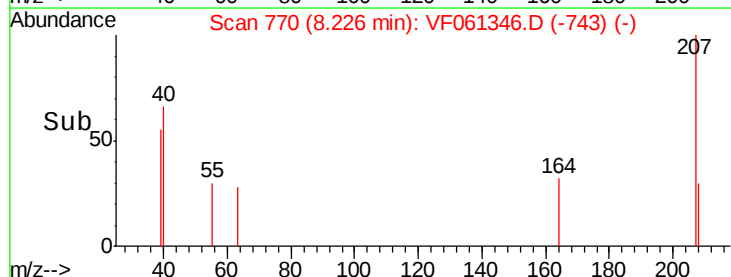
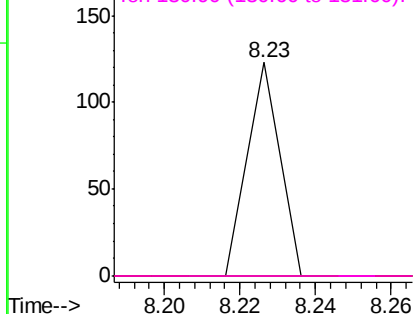


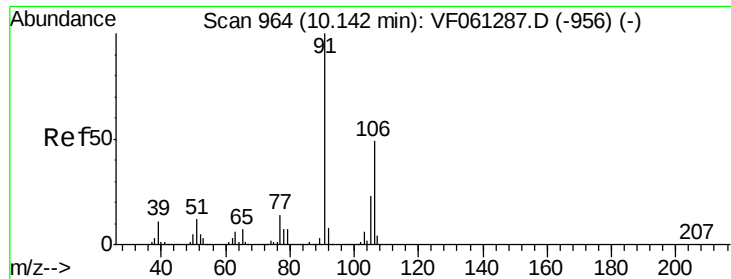
#64  
Tetrachloroethene  
Concen: 38.563 ug/l  
RT: 8.23 min Scan# 770  
Delta R.T. 0.07 min  
Lab File: VF061346.D  
Acq: 10 Jan 2019 16:17

Tgt Ion:164 Resp: 73  
Ion Ratio Lower Upper  
164 100  
166 0.0 100.1 150.1#  
129 0.0 80.1 120.1#  
131 0.0 76.7 115.1#



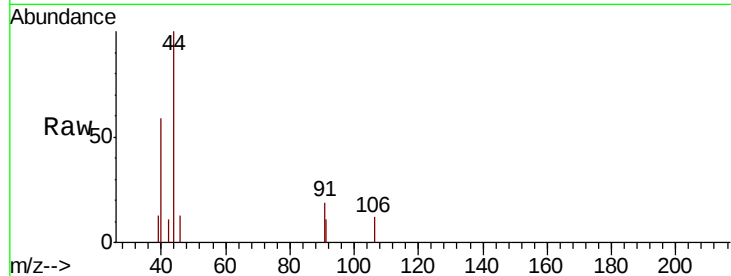
Abundance Ion 163.85 (163.55 to 164.55): V  
Ion 165.80 (165.50 to 166.50): V  
Ion 128.90 (128.60 to 129.60): V  
Ion 130.90 (130.60 to 131.60): V



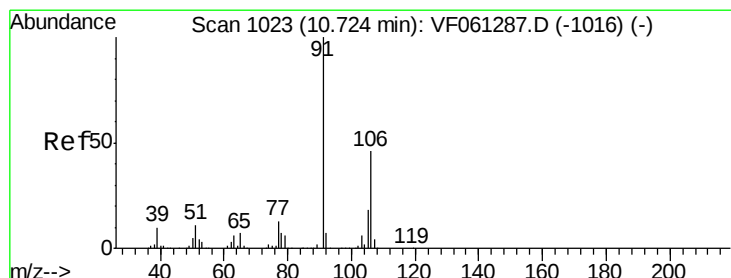
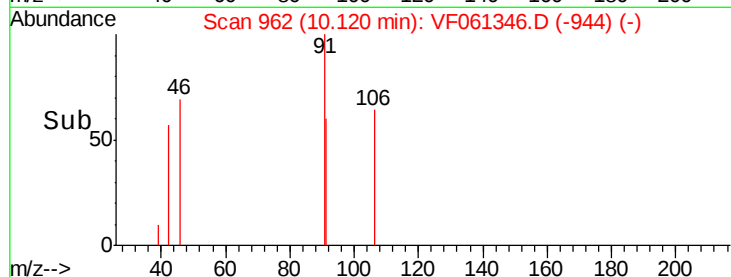
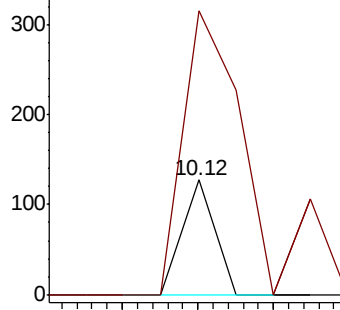


#68  
m/p-Xylenes  
Concen: 21.240 ug/l  
RT: 10.12 min Scan# 962  
Delta R.T. -0.02 min  
Lab File: VF061346.D  
Acq: 10 Jan 2019 16:17

Tgt Ion:106 Resp: 75  
Ion Ratio Lower Upper  
106 100  
91 248.0 165.0 247.6#

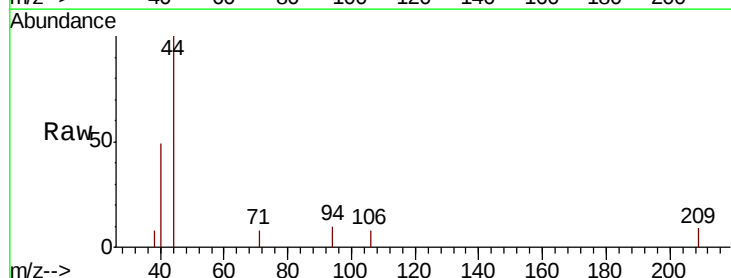


Abundance Ion 106.00 (105.70 to 106.70): V  
Ion 91.00 (90.70 to 91.70): VF0

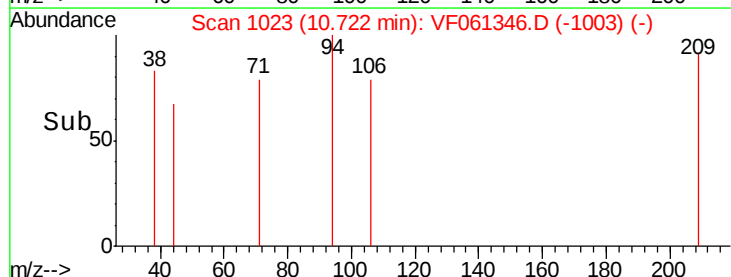
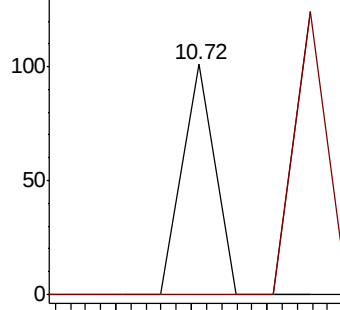


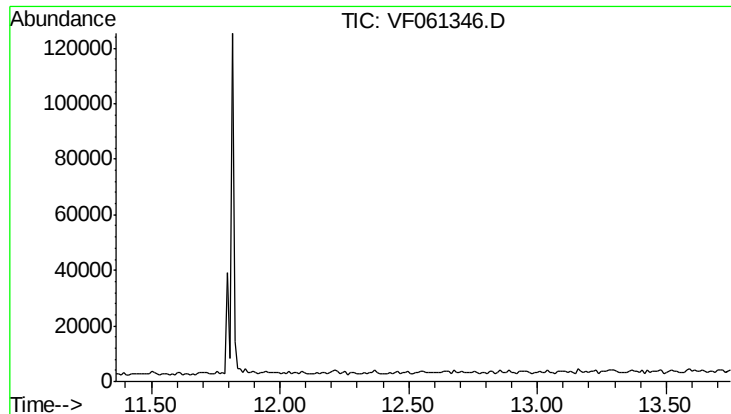
#69  
o-Xylene  
Concen: 15.211 ug/l  
RT: 10.72 min Scan# 1023  
Delta R.T. -0.00 min  
Lab File: VF061346.D  
Acq: 10 Jan 2019 16:17

Tgt Ion:106 Resp: 60  
Ion Ratio Lower Upper  
106 100  
91 0.0 108.1 324.4#



Abundance Ion 106.00 (105.70 to 106.70): V  
Ion 91.00 (90.70 to 91.70): VF0





#72  
 1,4-Dichlorobenzene-d4  
 Concen: 0.000 ug/l  
 Expected RT: 12.56 min  
 Lab File: VF061346.D  
 Acq: 10 Jan 2019 16:17

Tgt Ion: 152  
 Sig Exp Ratio  
 152 100  
 115 59.3  
 150 157.7

