

Data Path : Z:\VOASRV\HPCHEM1\MSVOA F\DATA\VF030819\  
 Data File : VF061872.D  
 Acq On : 8 Mar 2019 19:44  
 Operator : VA/AP  
 Sample : K1807-15  
 Misc : 5.00µ/5mL/MSVOA-F/SOIL  
 ALS Vial : 13 Sample Multiplier: 1

Instrument :  
 MSVOA\_F  
 ClientSampleId :  
 TP-8

Quant Time: Mar 09 00:47:01 2019  
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_F\METHODS\82F030419S.M  
 Quant Title : SW846 8260  
 QLast Update : Tue Mar 05 04:50:44 2019  
 Response via : Initial Calibration

| Internal Standards         | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|----------------------------|-------|------|----------|-------|-------|----------|
| 1) Pentafluorobenzene      | 4.86  | 168  | 3768     | 50.00 | ug/l  | -0.02    |
| 34) 1,4-Difluorobenzene    | 5.59  | 114  | 4301     | 50.00 | ug/l  | -0.02    |
| 63) Chlorobenzene-d5       | 9.76  | 117  | 2318     | 50.00 | ug/l  | -0.02    |
| 72) 1,4-Dichlorobenzene-d4 | 12.54 | 152  | 847      | 50.00 | ug/l  | 0.00     |

| System Monitoring Compounds | R.T.  | QIon | Response | Conc  | Units   | Dev(Min) |
|-----------------------------|-------|------|----------|-------|---------|----------|
| 33) 1,2-Dichloroethane-d4   | 4.84  | 65   | 566      | 20.63 | ug/l    | 0.00     |
| Spiked Amount               |       |      |          |       |         |          |
|                             |       |      | Recovery | =     | 41.26%  |          |
| 35) Dibromofluoromethane    | 4.09  | 113  | 1272     | 42.38 | ug/l    | -0.03    |
| Spiked Amount               |       |      |          |       |         |          |
|                             |       |      | Recovery | =     | 84.76%  |          |
| 50) Toluene-d8              | 7.53  | 98   | 4632     | 51.92 | ug/l    | -0.03    |
| Spiked Amount               |       |      |          |       |         |          |
|                             |       |      | Recovery | =     | 103.84% |          |
| 62) 4-Bromofluorobenzene    | 11.41 | 95   | 1401     | 40.09 | ug/l    | 0.00     |
| Spiked Amount               |       |      |          |       |         |          |
|                             |       |      | Recovery | =     | 80.18%  |          |

| Target Compounds              | R.T. | QIon | Response | Conc      | Units  | Qvalue |
|-------------------------------|------|------|----------|-----------|--------|--------|
| 2) Dichlorodifluoromethane    | 0.92 | 85   | 92       | 1.989     | ug/l # | 47     |
| 3) Chloromethane              | 1.10 | 50   | 218      | 4.863     | ug/l # | 45     |
| 4) Vinyl Chloride             | 1.23 | 62   | 84       | 1.974     | ug/l # | 1      |
| 5) Bromomethane               | 1.35 | 94   | 530      | 18.273    | ug/l # | 3      |
| 6) Chloroethane               | 1.41 | 64   | 69       | 3.411     | ug/l # | 41     |
| 9) 1,1,2-Trichlorotrifluoroet | 1.91 | 101  | 59       | 1.671     | ug/l # | 21     |
| 12) 1,1-Dichloroethene        | 1.78 | 96   | 138      | 4.282     | ug/l # | 1      |
| 13) Acrolein                  | 2.07 | 56   | 109      | 55.232    | ug/l # | 39     |
| 14) Allyl chloride            | 2.08 | 41   | 1365     | 38.449    | ug/l # | 50     |
| 15) Acrylonitrile             | 2.98 | 53   | 909      | 183.287   | ug/l # | 69     |
| 16) Acetone                   | 2.25 | 43   | 444      | 77.245    | ug/l # | 50     |
| 18) Methyl Acetate            | 2.37 | 43   | 1270     | 99.179    | ug/l # | 62     |
| 19) Methyl tert-butyl Ether   | 2.44 | 73   | 66       | 1.211     | ug/l # | 56     |
| 20) Methylene Chloride        | 2.18 | 84   | 151      | Below Cal | #      | 55     |
| 21) trans-1,2-Dichloroethene  | 2.30 | 96   | 61       | 2.011     | ug/l # | 1      |
| 22) Diisopropyl ether         | 2.78 | 45   | 412      | 4.461     | ug/l # | 1      |
| 23) Vinyl Acetate             | 3.16 | 43   | 541      | 13.113    | ug/l # | 76     |
| 24) 1,1-Dichloroethane        | 2.79 | 63   | 127      | 2.301     | ug/l # | 85     |
| 25) 2-Butanone                | 4.30 | 43   | 288      | 24.633    | ug/l # | 56     |
| 26) 2,2-Dichloropropane       | 3.65 | 77   | 71       | 2.881     | ug/l # | 55     |
| 27) cis-1,2-Dichloroethene    | 3.47 | 96   | 207      | 4.926     | ug/l # | 1      |
| 29) Tetrahydrofuran           | 4.06 | 42   | 82       | 16.262    | ug/l # | 33     |
| 31) Cyclohexane               | 3.67 | 56   | 76       | 1.315     | ug/l # | 15     |
| 36) 1,1-Dichloropropene       | 4.11 | 75   | 69       | 1.698     | ug/l # | 41     |
| 37) Ethyl Acetate             | 4.09 | 43   | 214      | 12.549    | ug/l # | 20     |
| 41) Methacrylonitrile         | 4.75 | 41   | 92       | 9.847     | ug/l # | 24     |
| 43) Isopropyl Acetate         | 6.95 | 43   | 141      | 6.708     | ug/l # | 42     |
| 44) Trichloroethene           | 5.58 | 130  | 60       | 1.818     | ug/l   | 4      |
| 45) 1,2-Dichloropropane       | 6.22 | 63   | 71       | 2.812     | ug/l # | 45     |
| 48) Methyl methacrylate       | 6.76 | 41   | 108      | 8.118     | ug/l # | 18     |
| 51) 4-Methyl-2-Pentanone      | 8.22 | 43   | 304      | 20.925    | ug/l # | 35     |
| 53) t-1,3-Dichloropropene     | 8.16 | 75   | 67       | 2.312     | ug/l # | 40     |
| 56) Ethyl methacrylate        | 8.55 | 69   | 70       | 3.431     | ug/l # | 24     |
| 59) 2-Hexanone                | 9.50 | 43   | 62       | 5.916     | ug/l # | 22     |

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Sample : K1807-15  
Misc : 5.00g/5mL/MSVOA-F/SOIL  
ALS Vial : 13 Sample Multiplier: 1

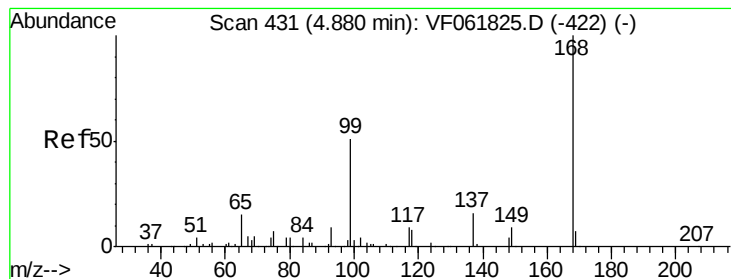
Instrument :  
MSVOA\_F  
ClientSampleId :  
TP-8

Quant Time: Mar 09 00:47:01 2019  
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_F\METHODS\82F030419S.M  
Quant Title : SW846 8260  
QLast Update : Tue Mar 05 04:50:44 2019  
Response via : Initial Calibration

| Internal Standards | R.T.  | QIon | Response | Conc  | Units  | Dev(Min) |
|--------------------|-------|------|----------|-------|--------|----------|
| 74) N-amyl acetate | 11.37 | 43   | 91       | 6.779 | ug/l # | 42       |

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





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 4.86 min Scan# 429

Delta R.T. -0.02 min

Lab File: VF061872.D

Acq: 8 Mar 2019 19:44

Instrument :

MSVOA\_F

ClientSampleId :

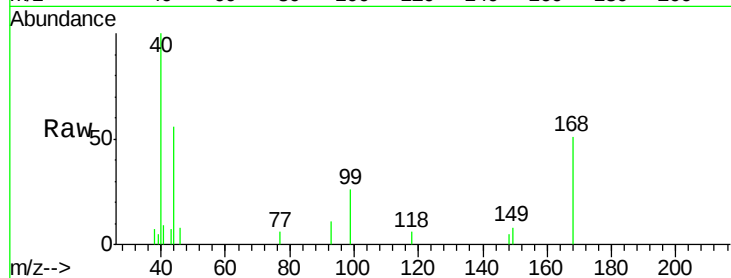
TP-8

Tot Ion:168 Resp: 3768

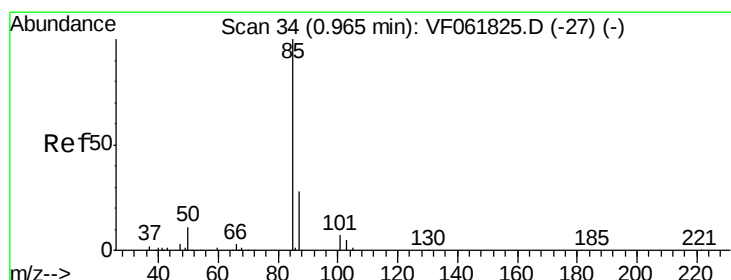
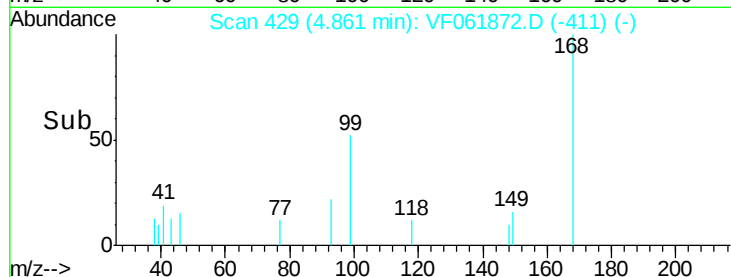
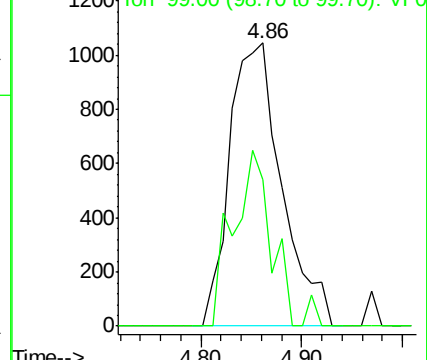
Ion Ratio Lower Upper

168 100

99 51.7 40.8 61.2



Abundance Ion 168.00 (167.70 to 168.70): VF0



#2

Dichlorodifluoromethane

Concen: 1.989 ug/l

RT: 0.92 min Scan# 29

Delta R.T. -0.05 min

Lab File: VF061872.D

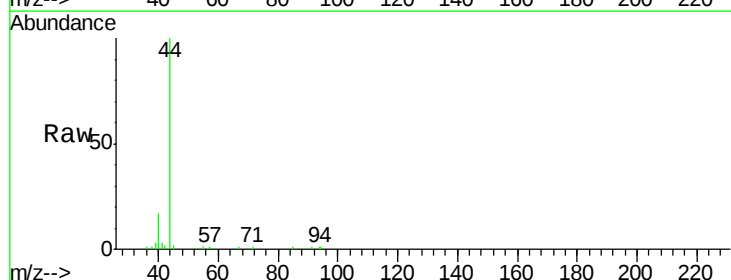
Acq: 8 Mar 2019 19:44

Tgt Ion: 85 Resp: 92

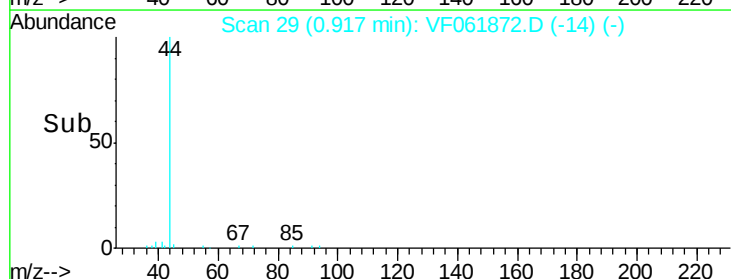
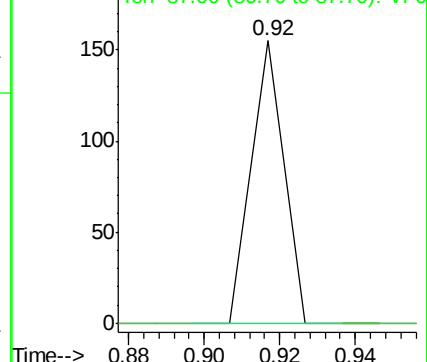
Ion Ratio Lower Upper

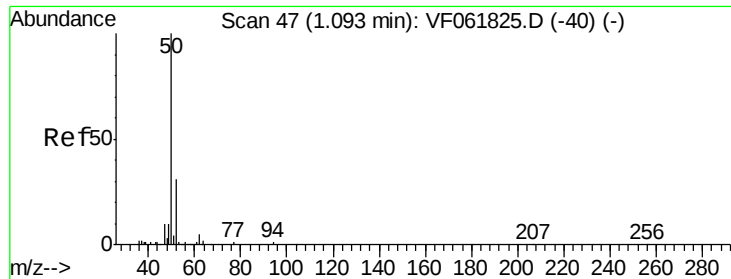
85 100

87 0.0 14.1 42.2#



Abundance Ion 85.00 (84.70 to 85.70): VF0





#3

Chloromethane

Concen: 4.863 ug/l

RT: 1.10 min Scan# 48

Delta R.T. 0.01 min

Lab File: VF061872.D

Acq: 8 Mar 2019 19:44

Instrument :

MSVOA\_F

ClientSampleId :

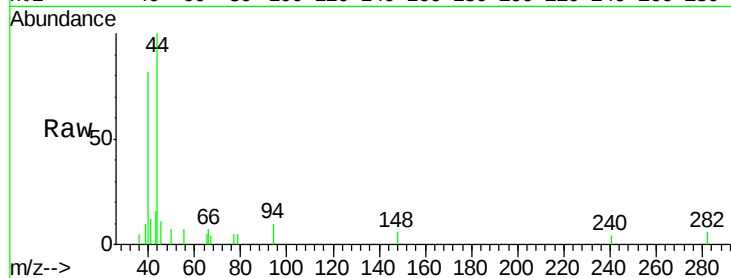
TP-8

Tot Ion: 50 Resp: 218

Ion Ratio Lower Upper

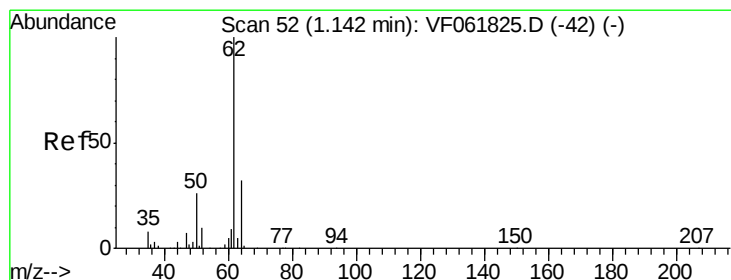
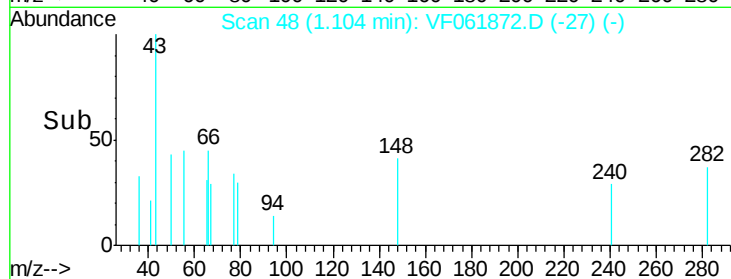
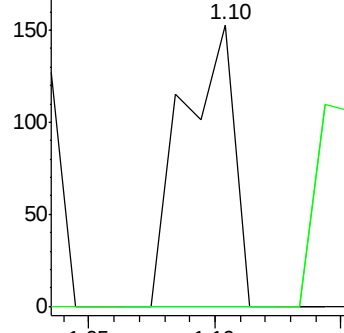
50 100

52 0.0 23.8 35.8#



Abundance Ion 50.00 (49.70 to 50.70): VF0

Ion 52.00 (51.70 to 52.70): VF0



#4

Vinyl Chloride

Concen: 1.974 ug/l

RT: 1.23 min Scan# 61

Delta R.T. 0.09 min

Lab File: VF061872.D

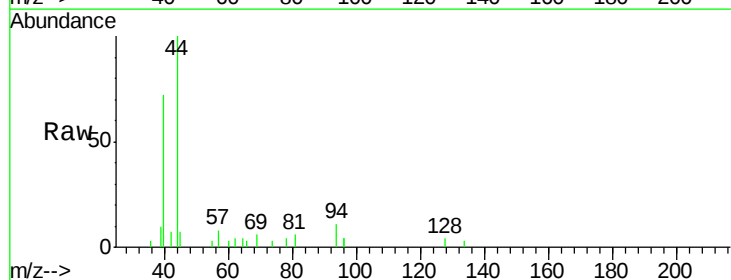
Acq: 8 Mar 2019 19:44

Tgt Ion: 62 Resp: 84

Ion Ratio Lower Upper

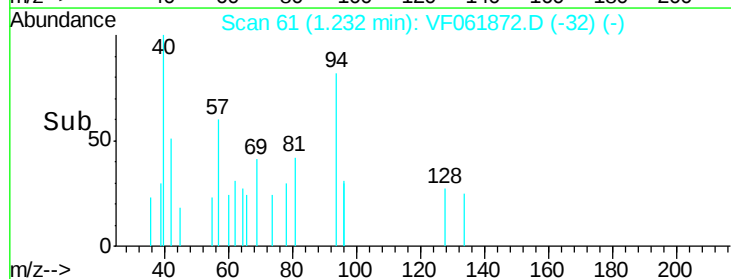
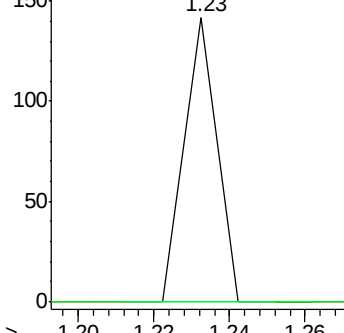
62 100

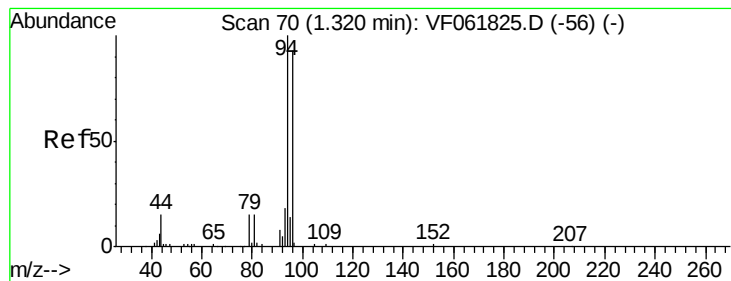
64 87.3 25.2 37.8#



Abundance Ion 62.00 (61.70 to 62.70): VF0

Ion 64.00 (63.70 to 64.70): VF0





#5

Bromomethane

Concen: 18.273 ug/l

RT: 1.35 min Scan# 73

Delta R.T. 0.03 min

Lab File: VF061872.D

Acq: 8 Mar 2019 19:44

Instrument :

MSVOA\_F

ClientSampled :

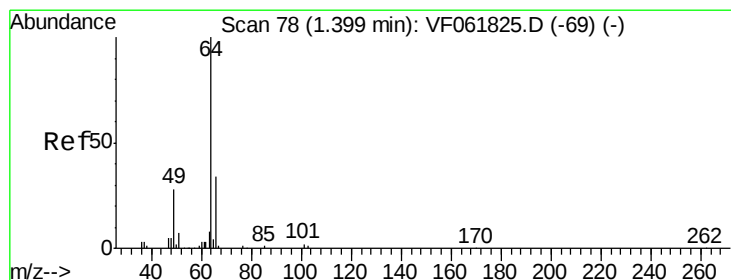
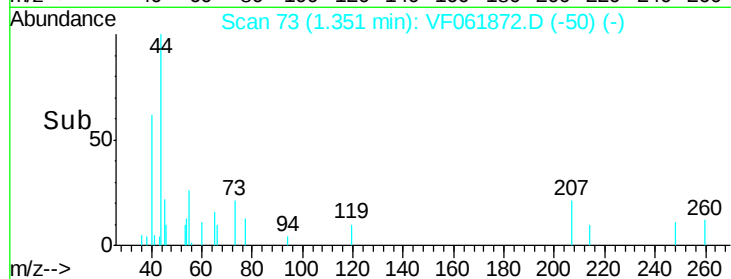
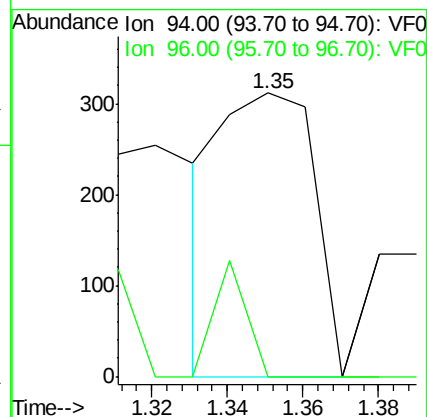
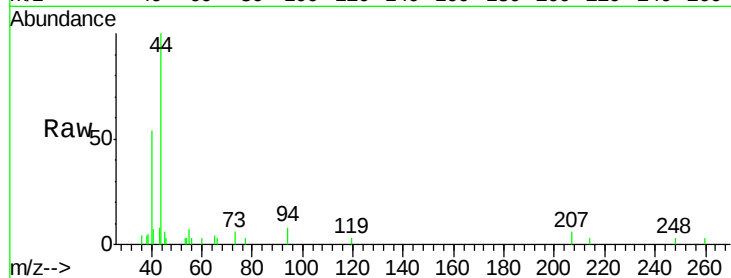
TP-8

Tot Ion: 94 Resp: 530

Ion Ratio Lower Upper

94 100

96 0.0 75.2 112.8#



#6

Chloroethane

Concen: 3.411 ug/l

RT: 1.41 min Scan# 79

Delta R.T. 0.01 min

Lab File: VF061872.D

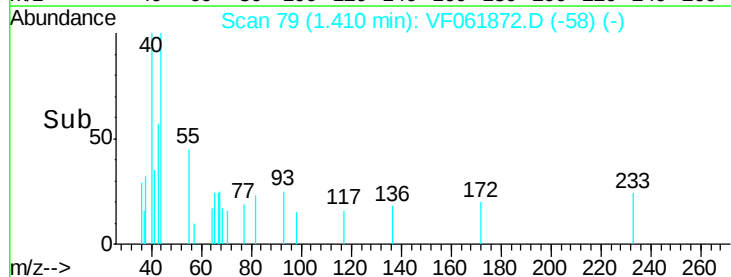
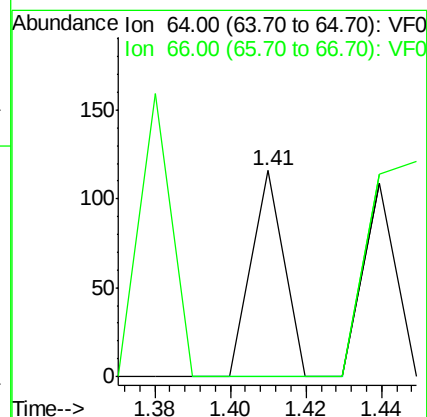
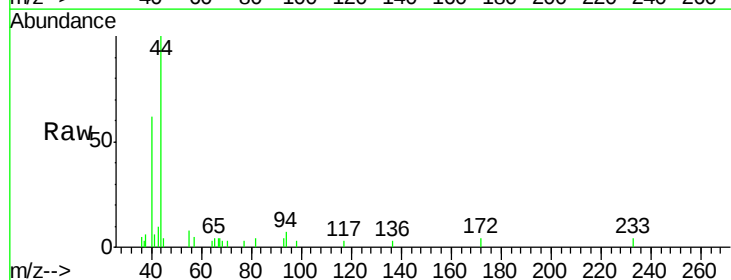
Acq: 8 Mar 2019 19:44

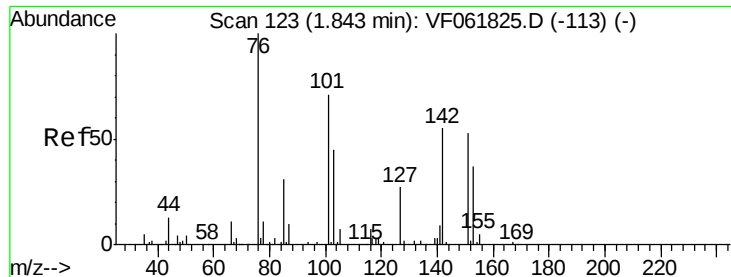
Tgt Ion: 64 Resp: 69

Ion Ratio Lower Upper

64 100

66 0.0 27.0 40.4#





#9

1,1,2-Trichlorotrifluoroethane

Concen: 1.671 ug/l

RT: 1.91 min Scan# 130

Delta R.T. 0.07 min

Lab File: VF061872.D

Acq: 8 Mar 2019 19:44

Instrument :

MSVOA\_F

ClientSampled :

TP-8

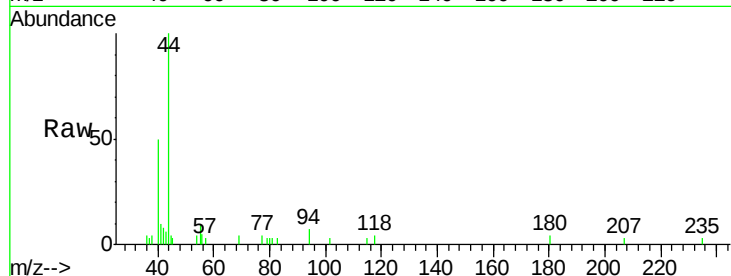
Tot Ion:101 Resp: 59

Ion Ratio Lower Upper

101 100

85 0.0 34.0 51.0#

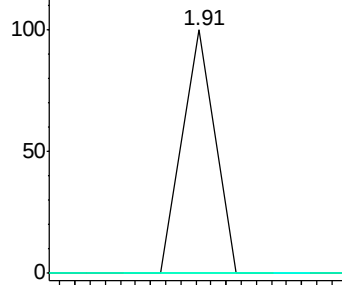
151 0.0 57.3 85.9#



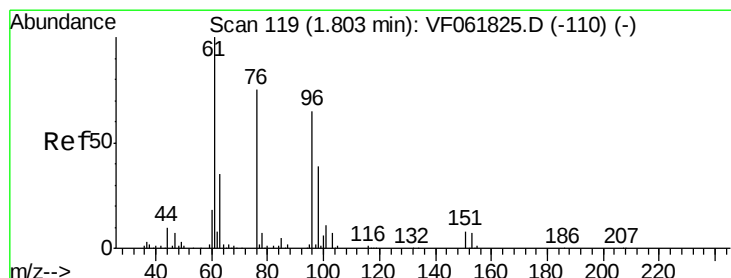
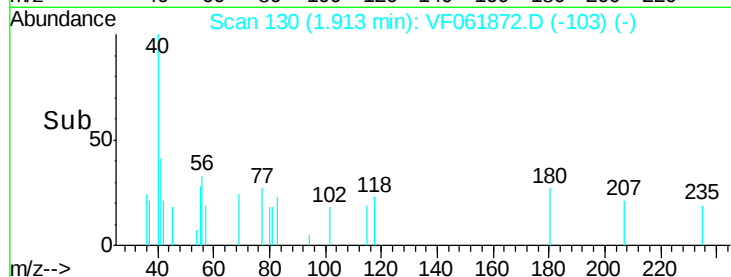
Abundance Ion 101.00 (100.70 to 101.70): V

Ion 85.00 (84.70 to 85.70): VF0

Ion 151.00 (150.70 to 151.70): V



Time--> 1.88 1.90 1.92 1.94



#12

1,1-Dichloroethene

Concen: 4.282 ug/l

RT: 1.78 min Scan# 117

Delta R.T. -0.02 min

Lab File: VF061872.D

Acq: 8 Mar 2019 19:44

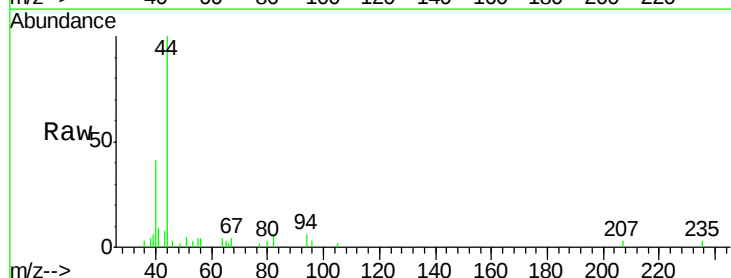
Tgt Ion: 96 Resp: 138

Ion Ratio Lower Upper

96 100

61 0.0 122.5 183.7#

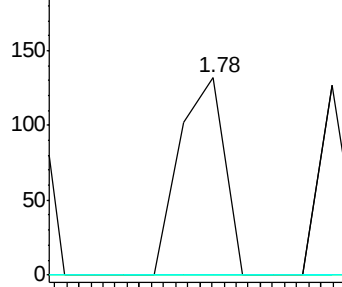
98 0.0 47.1 70.7#



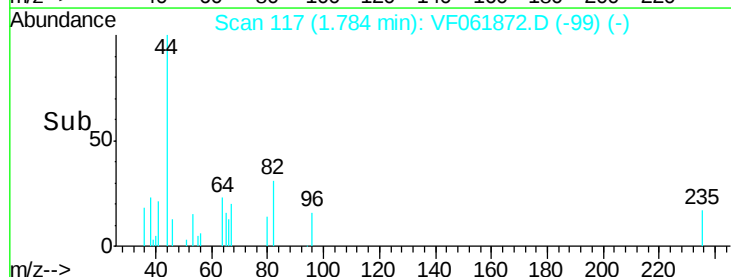
Abundance Ion 96.00 (95.70 to 96.70): VF0

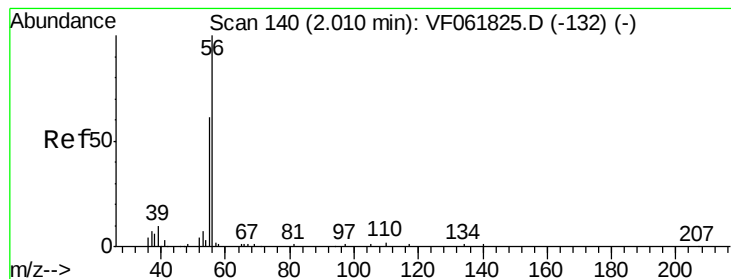
Ion 61.00 (60.70 to 61.70): VF0

Ion 98.00 (97.70 to 98.70): VF0



Time--> 1.74 1.76 1.78 1.80 1.82





#13

Acrolein

Concen: 55.232 ug/l

RT: 2.07 min Scan# 146

Delta R.T. 0.06 min

Lab File: VF061872.D

Acq: 8 Mar 2019 19:44

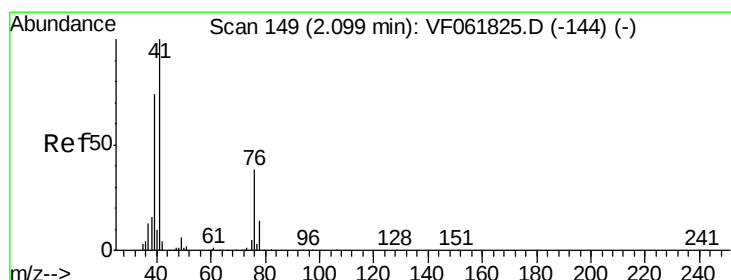
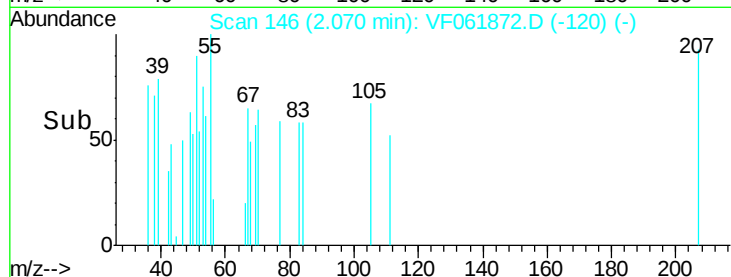
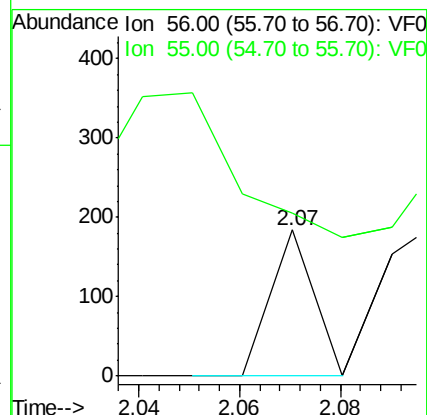
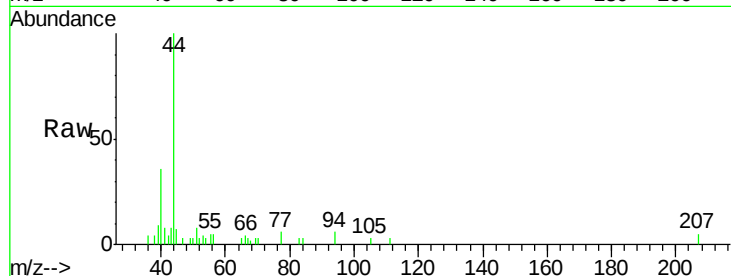
Instrument :  
MSVOA\_F  
ClientSampled :  
TP-8

Tot Ion: 56 Resp: 109

Ion Ratio Lower Upper

56 100

55 112.0 51.3 76.9#



#14

Allyl chloride

Concen: 38.449 ug/l

RT: 2.08 min Scan# 147

Delta R.T. -0.02 min

Lab File: VF061872.D

Acq: 8 Mar 2019 19:44

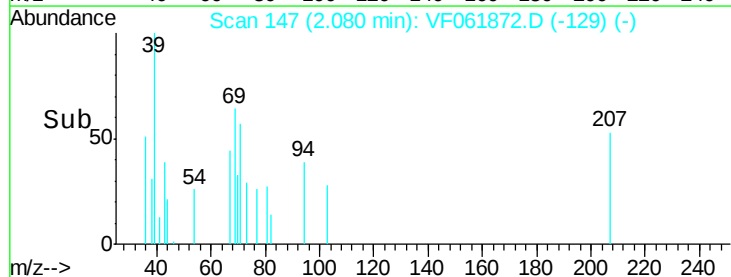
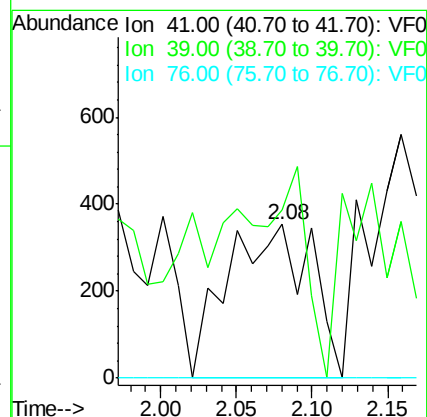
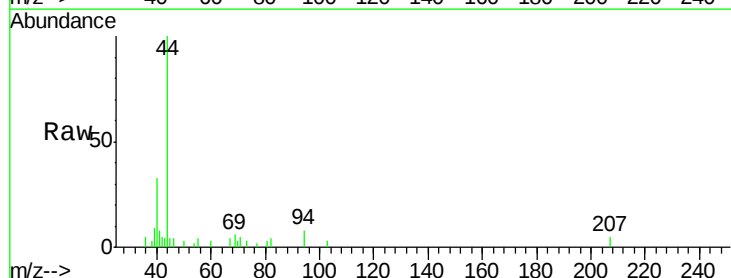
Tgt Ion: 41 Resp: 1365

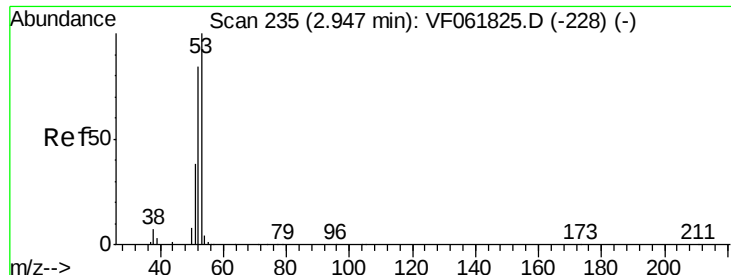
Ion Ratio Lower Upper

41 100

39 109.6 59.6 89.4#

76 0.0 32.3 48.5#





#15

Acrylonitrile

Concen: 183.287 ug/l

RT: 2.98 min Scan# 238

Delta R.T. 0.03 min

Lab File: VF061872.D

Acq: 8 Mar 2019 19:44

Instrument :

MSVOA\_F

ClientSampled :

TP-8

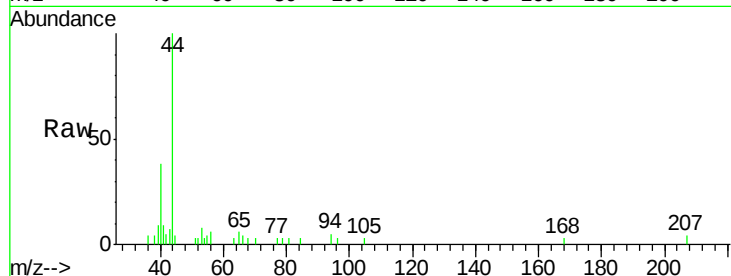
Tot Ion: 53 Resp: 909

Ion Ratio Lower Upper

53 100

52 44.0 67.4 101.0#

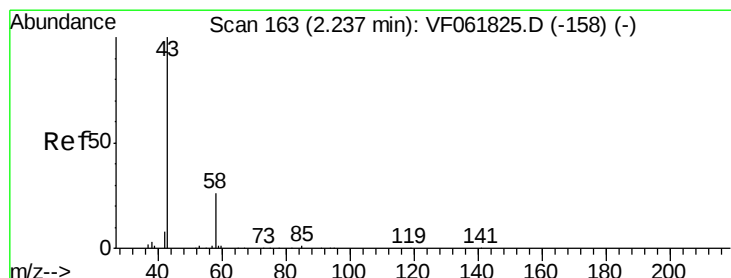
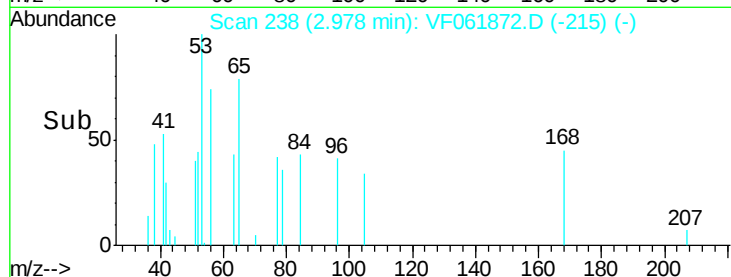
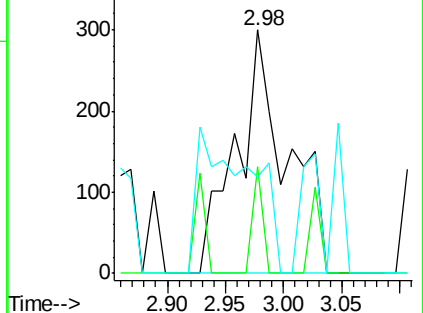
51 39.7 30.7 46.1



Abundance Ion 53.00 (52.70 to 53.70): VF0

Ion 52.00 (51.70 to 52.70): VF0

Ion 51.00 (50.70 to 51.70): VF0



#16

Acetone

Concen: 77.245 ug/l

RT: 2.25 min Scan# 164

Delta R.T. 0.01 min

Lab File: VF061872.D

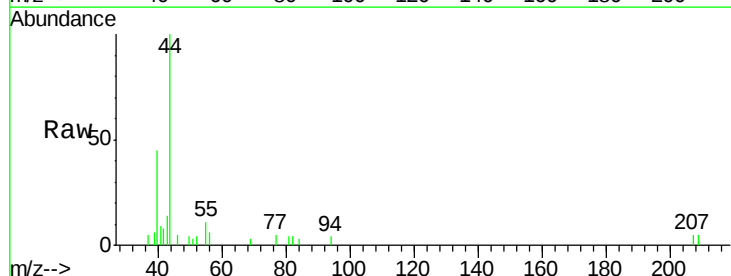
Acq: 8 Mar 2019 19:44

Tgt Ion: 43 Resp: 444

Ion Ratio Lower Upper

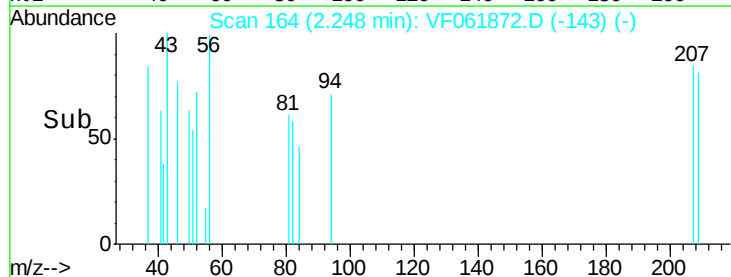
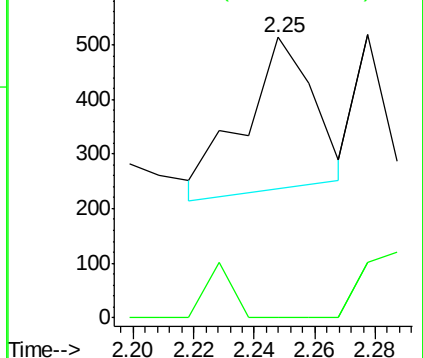
43 100

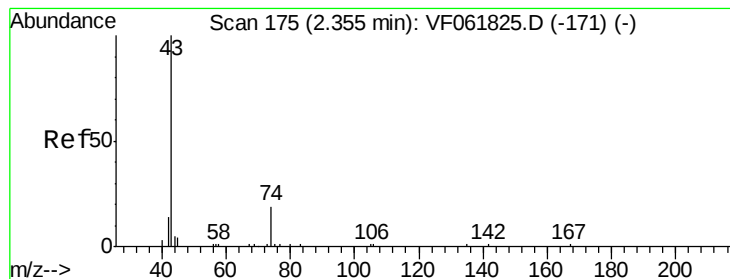
58 0.0 20.3 30.5#



Abundance Ion 43.00 (42.70 to 43.70): VF0

Ion 58.00 (57.70 to 58.70): VF0





#18

Methyl Acetate

Concen: 99.179 ug/l

RT: 2.37 min Scan# 176

Delta R.T. 0.01 min

Lab File: VF061872.D

Acq: 8 Mar 2019 19:44

Instrument :

MSVOA\_F

ClientSampleId :

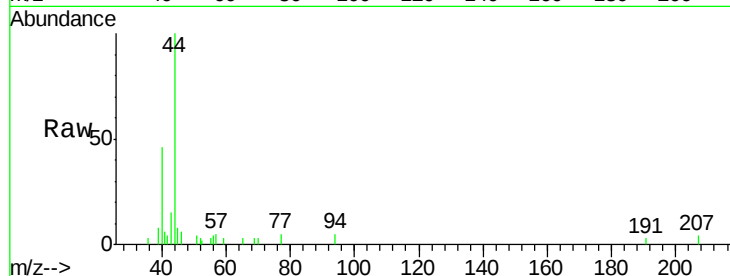
TP-8

Tot Ion: 43 Resp: 1270

Ion Ratio Lower Upper

43 100

74 0.0 13.2 19.8#



Abundance Ion 43.00 (42.70 to 43.70): VF0

Ion 74.00 (73.70 to 74.70): VF0

2.37

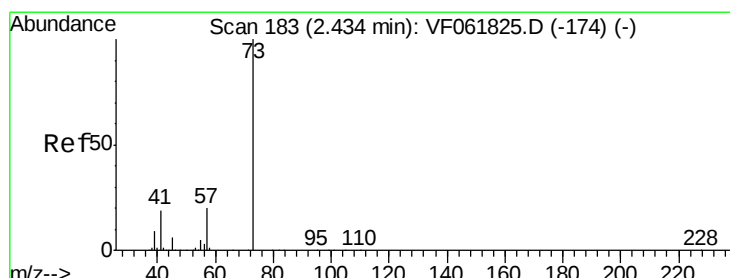
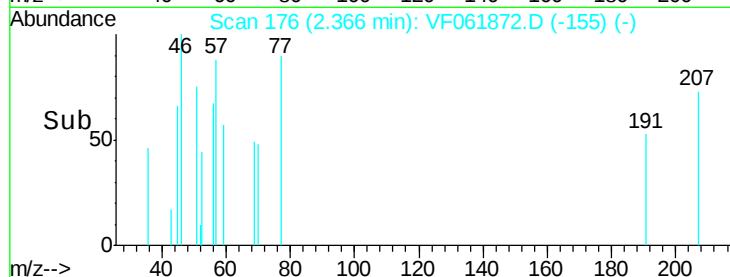
600

400

200

0

Time--> 2.30 2.35 2.40



#19

Methyl tert-butyl Ether

Concen: 1.211 ug/l

RT: 2.44 min Scan# 183

Delta R.T. 0.00 min

Lab File: VF061872.D

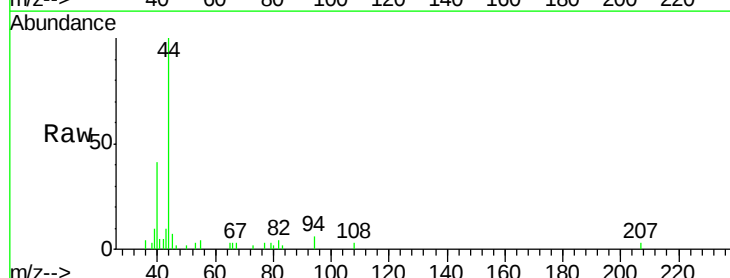
Acq: 8 Mar 2019 19:44

Tgt Ion: 73 Resp: 66

Ion Ratio Lower Upper

73 100

57 0.0 16.1 24.1#



Abundance Ion 73.00 (72.70 to 73.70): VF0

Ion 57.00 (56.70 to 57.70): VF0

2.44

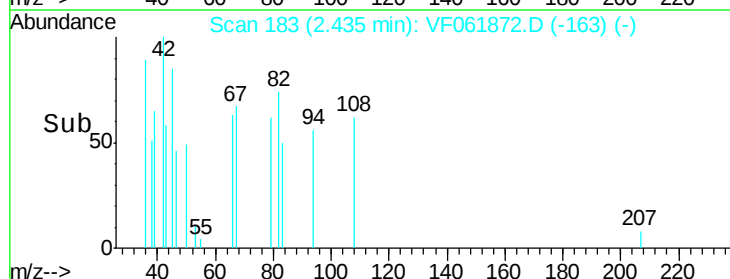
150

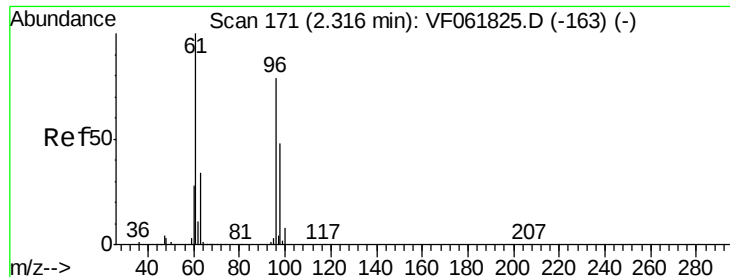
100

50

0

Time--> 2.40 2.42 2.44 2.46





#21

trans-1,2-Dichloroethene

Concen: 2.011 ug/l

RT: 2.30 min Scan# 169

Delta R.T. -0.02 min

Lab File: VF061872.D

Acq: 8 Mar 2019 19:44

Instrument :

MSVOA\_F

ClientSampleId :

TP-8

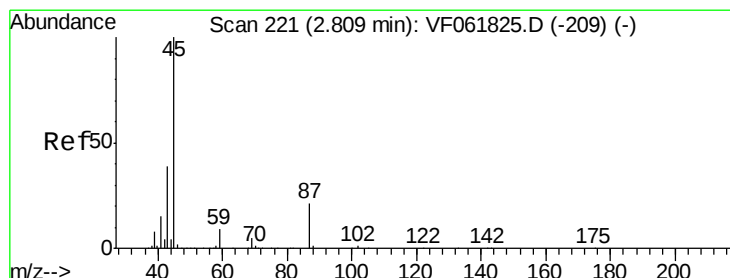
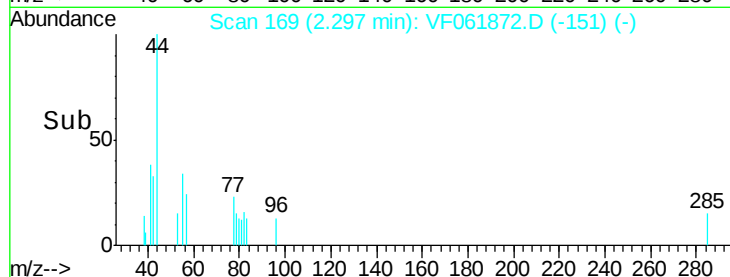
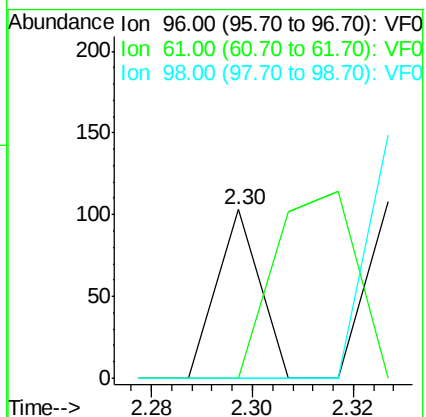
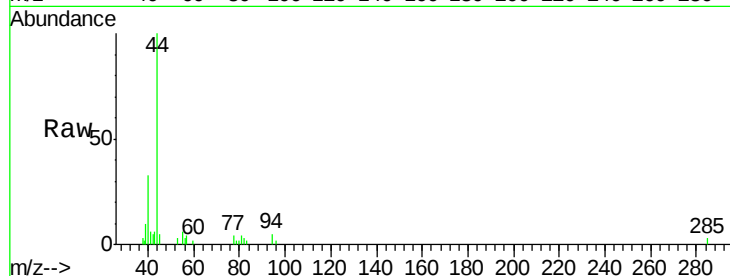
Tot Ion: 96 Resp: 61

Ion Ratio Lower Upper

96 100

61 0.0 101.0 151.6#

98 0.0 48.8 73.2#



#22

Diisopropyl ether

Concen: 4.461 ug/l

RT: 2.78 min Scan# 218

Delta R.T. -0.03 min

Lab File: VF061872.D

Acq: 8 Mar 2019 19:44

Tgt Ion: 45 Resp: 412

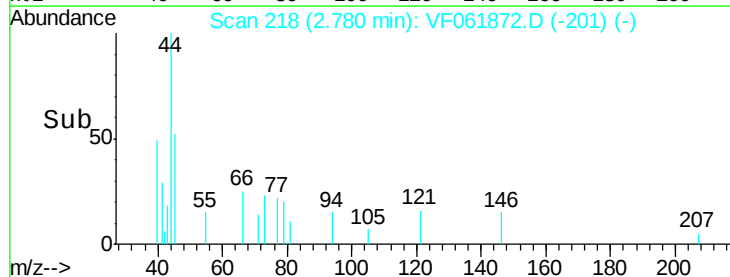
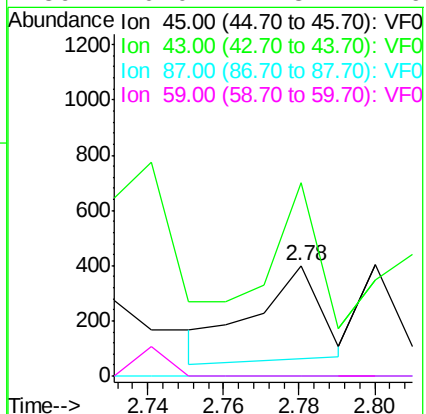
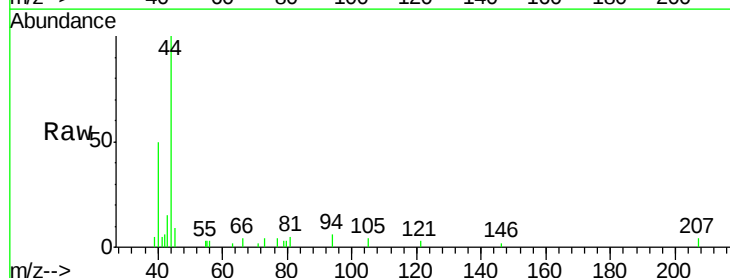
Ion Ratio Lower Upper

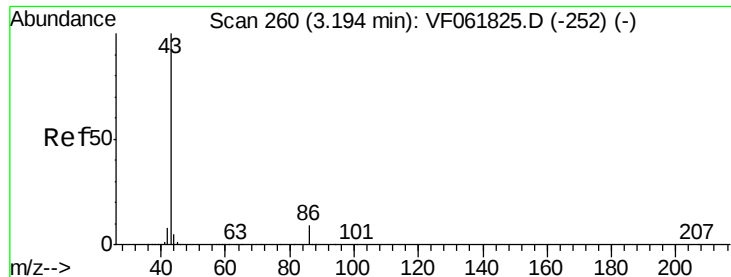
45 100

43 174.6 31.8 47.8#

87 0.0 17.1 25.7#

59 0.0 7.8 11.6#





#23

Vinyl Acetate

Concen: 13.113 ug/l

RT: 3.16 min Scan# 256

Delta R.T. -0.04 min

Lab File: VF061872.D

Acq: 8 Mar 2019 19:44

Instrument :

MSVOA\_F

ClientSampleId :

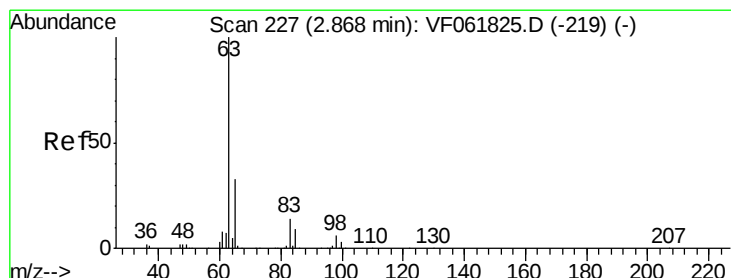
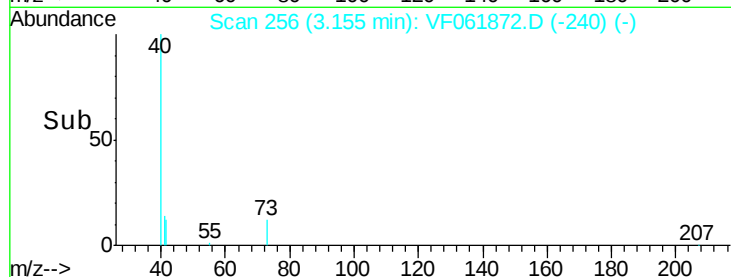
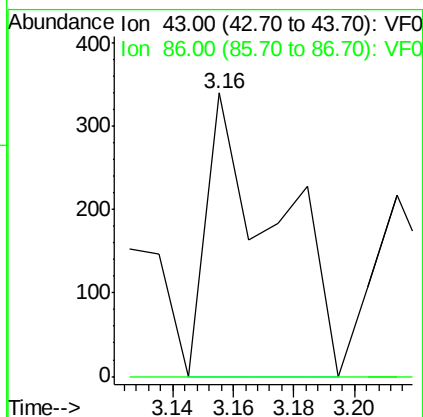
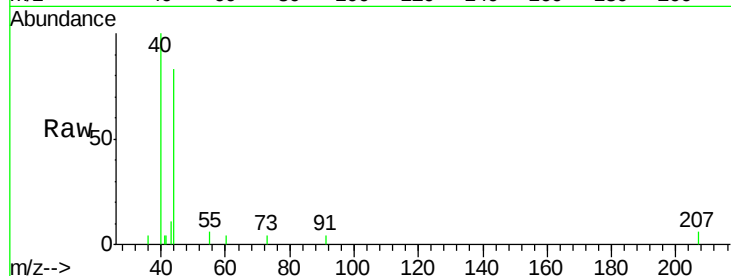
TP-8

Tot Ion: 43 Resp: 541

Ion Ratio Lower Upper

43 100

86 0.0 7.0 10.4#



#24

1,1-Dichloroethane

Concen: 2.301 ug/l

RT: 2.79 min Scan# 219

Delta R.T. -0.08 min

Lab File: VF061872.D

Acq: 8 Mar 2019 19:44

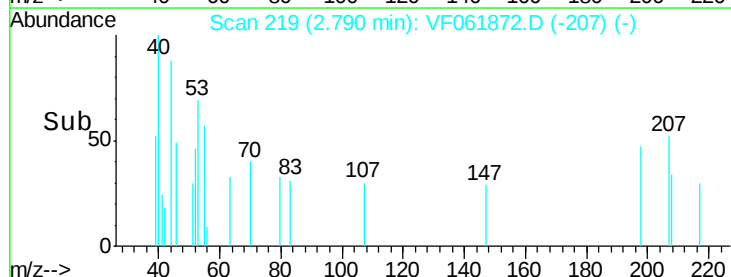
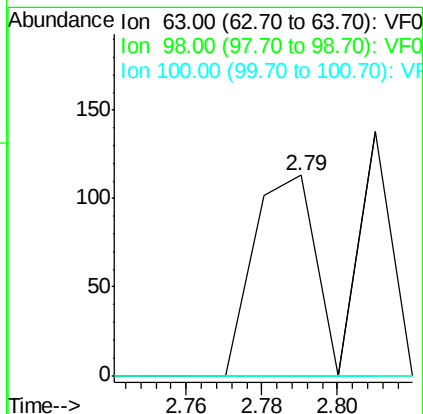
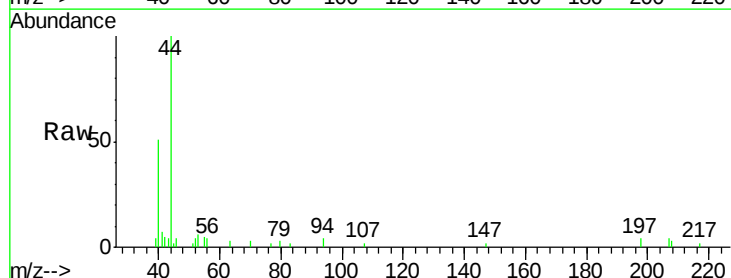
Tgt Ion: 63 Resp: 127

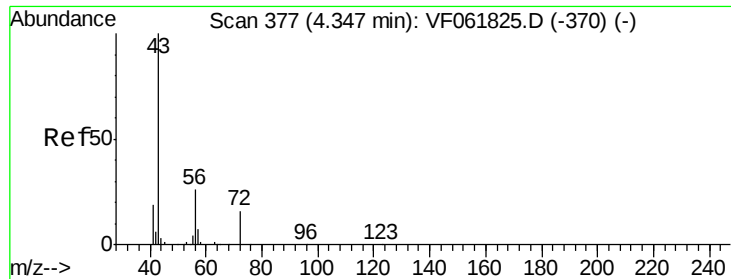
Ion Ratio Lower Upper

63 100

98 0.0 2.9 8.6#

100 0.0 1.8 5.3#





#25

2-Butanone

Concen: 24.633 ug/l

RT: 4.30 min Scan# 372

Delta R.T. -0.05 min

Lab File: VF061872.D

Acq: 8 Mar 2019 19:44

Instrument :

MSVOA\_F

ClientSampleId :

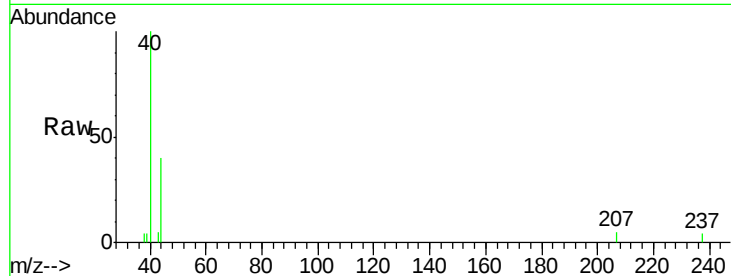
TP-8

Tot Ion: 43 Resp: 288

Ion Ratio Lower Upper

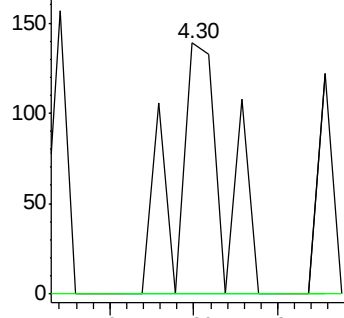
43 100

72 0.0 16.2 24.4#

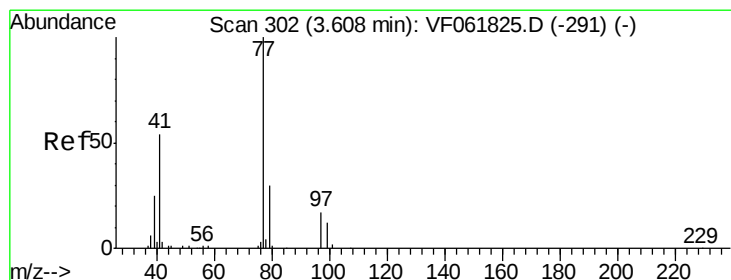
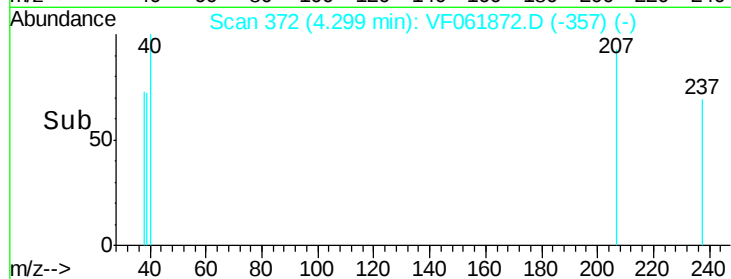


Abundance Ion 43.00 (42.70 to 43.70): VF0

Ion 72.00 (71.70 to 72.70): VF0



Time-->



#26

2,2-Dichloropropane

Concen: 2.881 ug/l

RT: 3.65 min Scan# 306

Delta R.T. 0.04 min

Lab File: VF061872.D

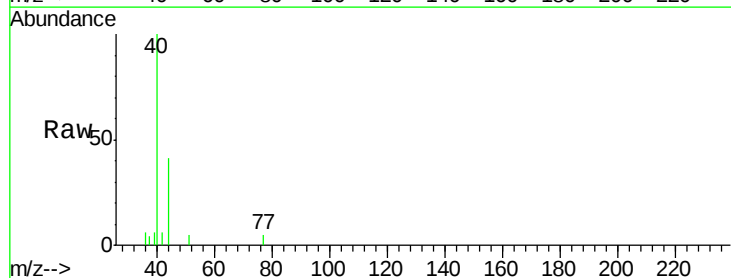
Acq: 8 Mar 2019 19:44

Tgt Ion: 77 Resp: 71

Ion Ratio Lower Upper

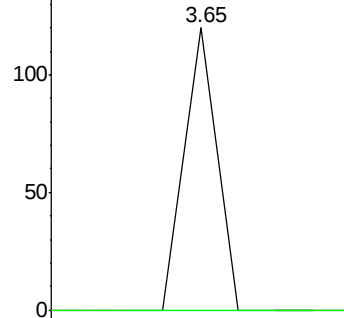
77 100

97 0.0 10.4 31.4#

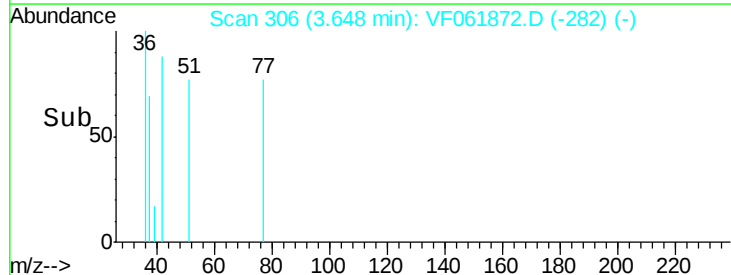


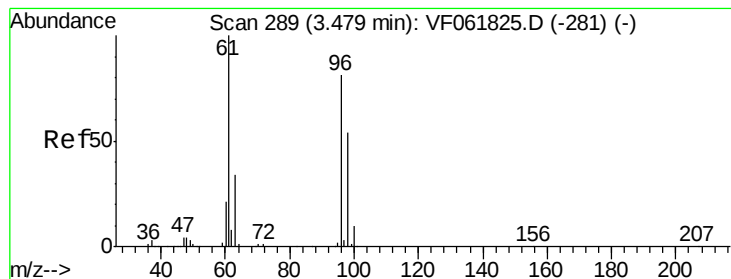
Abundance Ion 77.00 (76.70 to 77.70): VF0

Ion 97.00 (96.70 to 97.70): VF0



Time-->



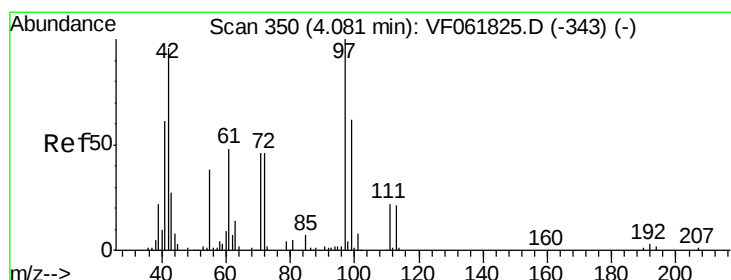
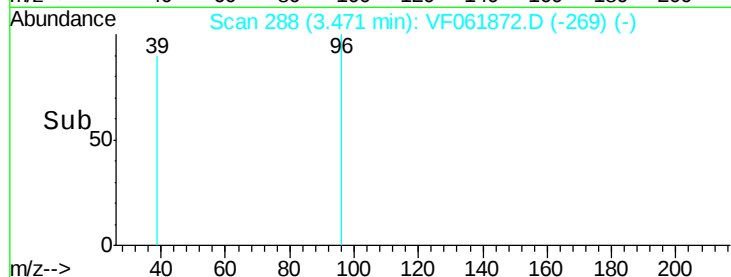
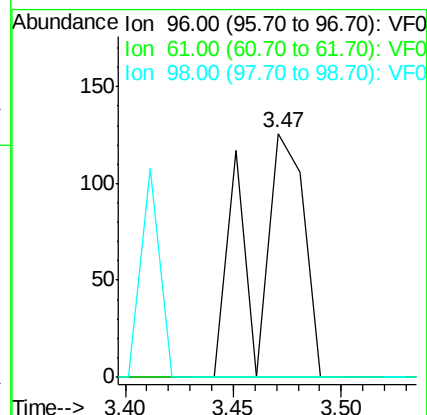
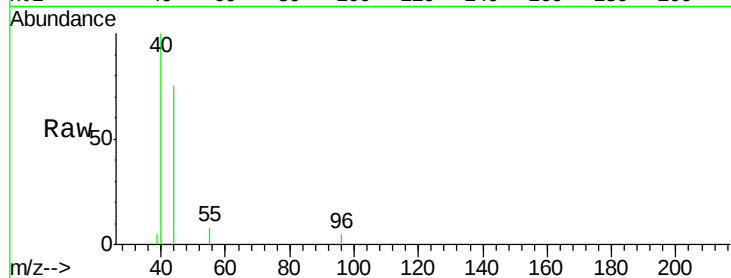


#27

cis-1,2-Dichloroethene  
Concen: 4.926 ug/l  
RT: 3.47 min Scan# 288  
Delta R.T. -0.01 min  
Lab File: VF061872.D  
Acq: 8 Mar 2019 19:44

Instrument :  
MSVOA\_F  
ClientSampleId :  
TP-8

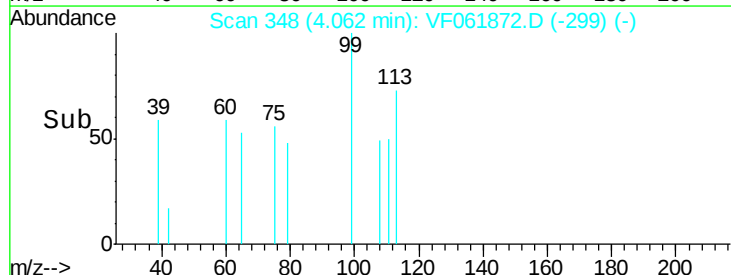
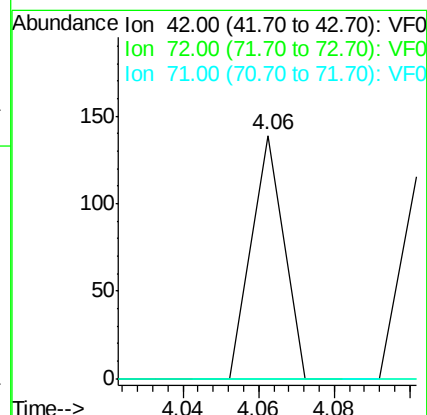
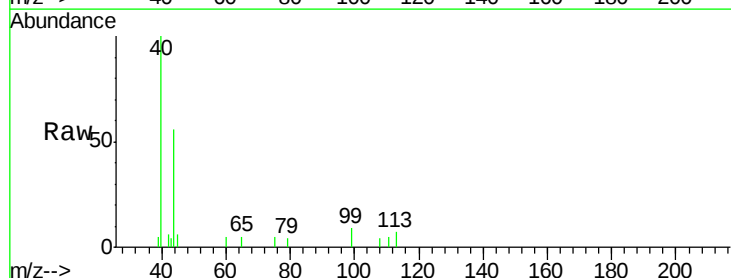
| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 96      | 100   |       |       |
| 61      | 0.0   | 0.0   | 245.8 |
| 98      | 0.0   | 0.0   | 132.6 |

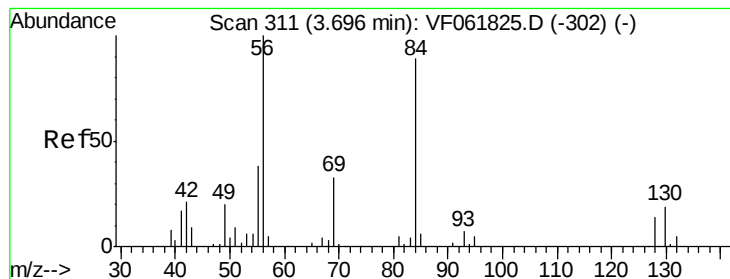


#29

Tetrahydrofuran  
Concen: 16.262 ug/l  
RT: 4.06 min Scan# 348  
Delta R.T. -0.02 min  
Lab File: VF061872.D  
Acq: 8 Mar 2019 19:44

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 42      | 100   |       |       |
| 72      | 0.0   | 34.4  | 51.6# |
| 71      | 0.0   | 34.6  | 52.0# |





#31

Cyclohexane

Concen: 1.315 ug/l

RT: 3.67 min Scan# 308

Delta R.T. -0.03 min

Lab File: VF061872.D

Acq: 8 Mar 2019 19:44

Instrument :

MSVOA\_F

ClientSampleId :

TP-8

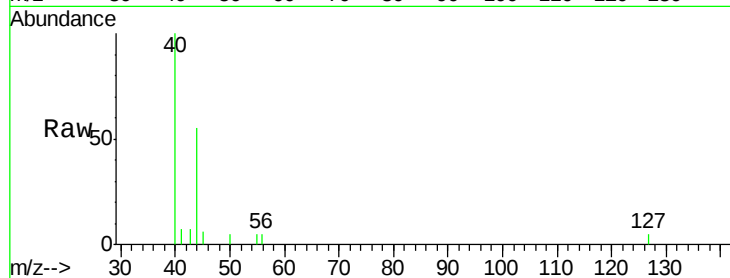
Tot Ion: 56 Resp: 76

Ion Ratio Lower Upper

56 100

69 0.0 26.0 39.0#

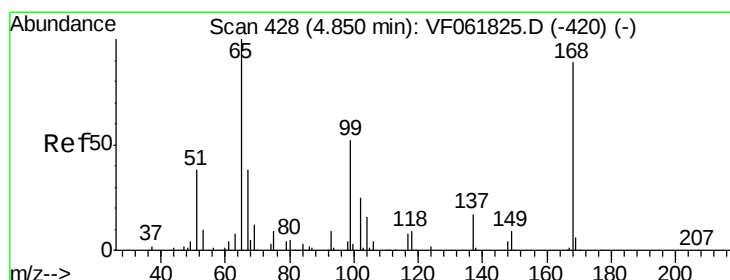
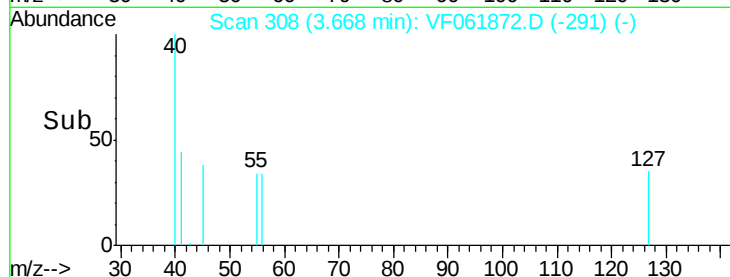
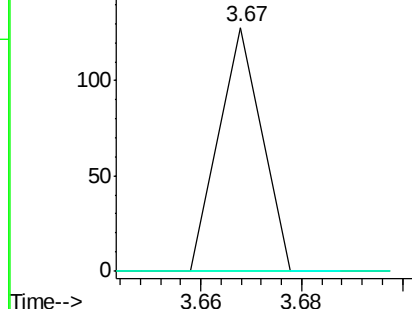
84 0.0 71.0 106.6#



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: 20.627 ug/l

RT: 4.84 min Scan# 427

Delta R.T. -0.01 min

Lab File: VF061872.D

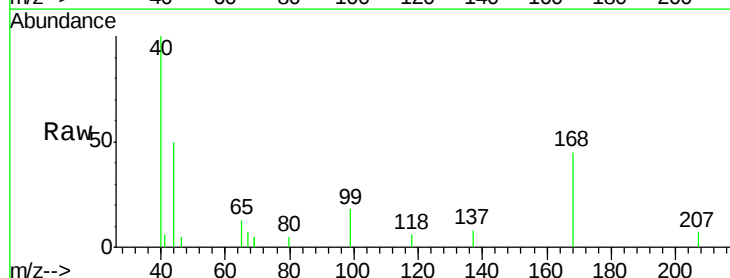
Acq: 8 Mar 2019 19:44

Tgt Ion: 65 Resp: 566

Ion Ratio Lower Upper

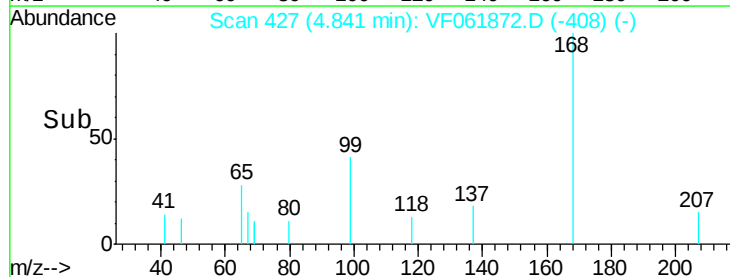
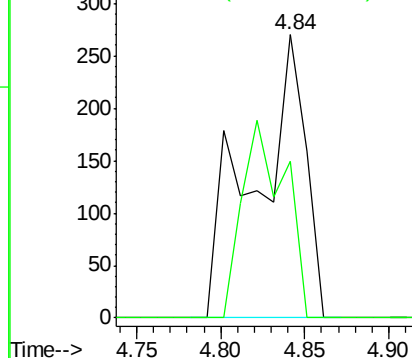
65 100

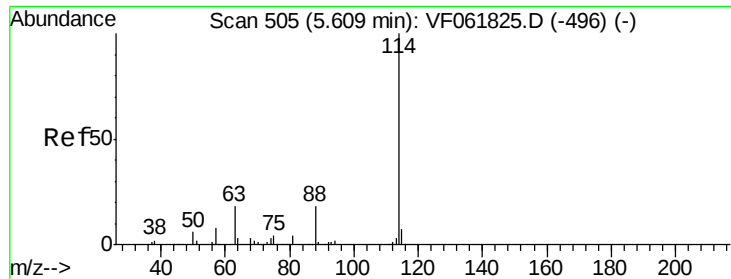
67 55.2 0.0 108.6



Abundance Ion 65.00 (64.70 to 65.70): VF0

Ion 67.00 (66.70 to 67.70): VF0





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 5.59 min Scan# 503

Delta R.T. -0.02 min

Lab File: VF061872.D

Acq: 8 Mar 2019 19:44

Instrument :

MSVOA\_F

ClientSampleId :

TP-8

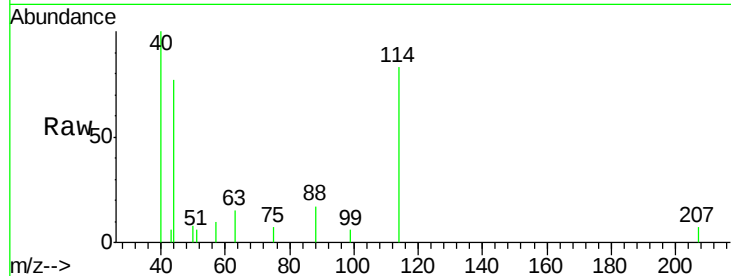
Tot Ion:114 Resp: 4301

Ion Ratio Lower Upper

114 100

63 17.8 0.0 35.6

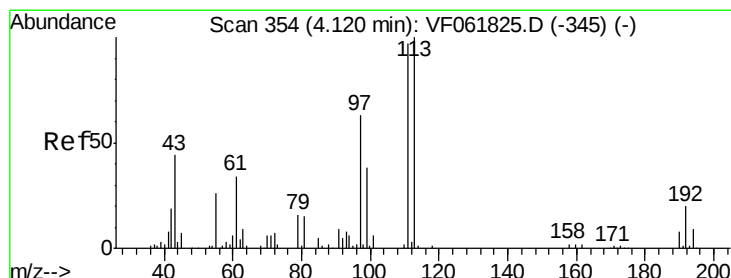
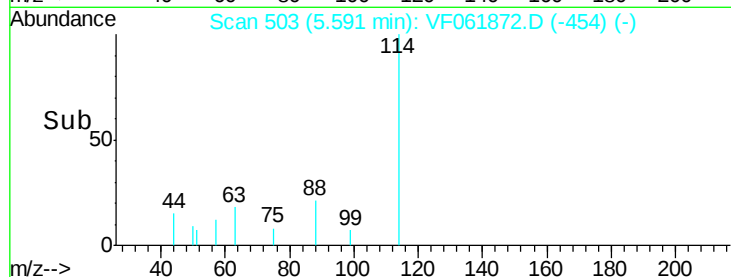
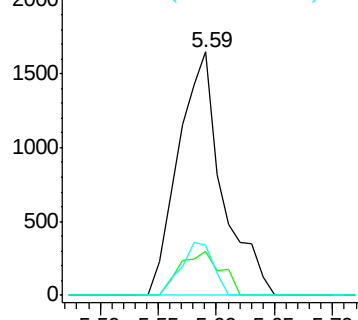
88 20.8 0.0 35.6



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



#35

Dibromofluoromethane

Concen: 42.378 ug/l

RT: 4.09 min Scan# 351

Delta R.T. -0.03 min

Lab File: VF061872.D

Acq: 8 Mar 2019 19:44

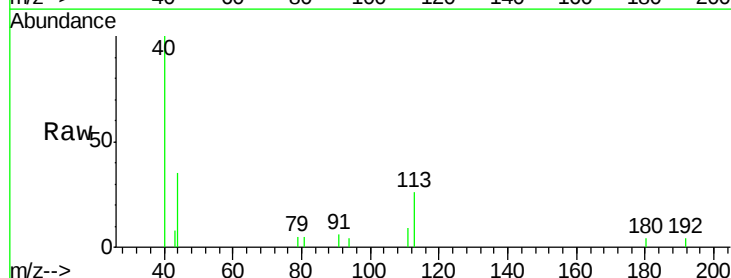
Tgt Ion:113 Resp: 1272

Ion Ratio Lower Upper

113 100

111 35.2 77.6 116.4#

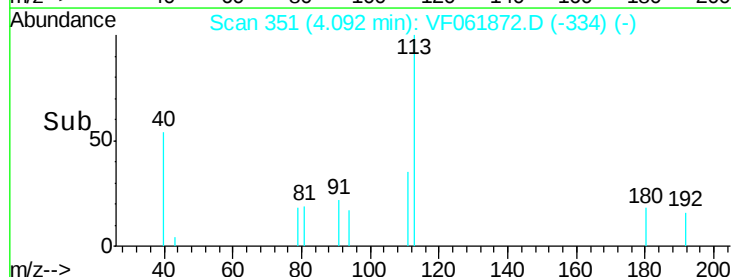
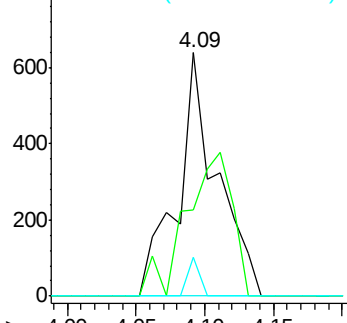
192 15.8 15.9 23.9#

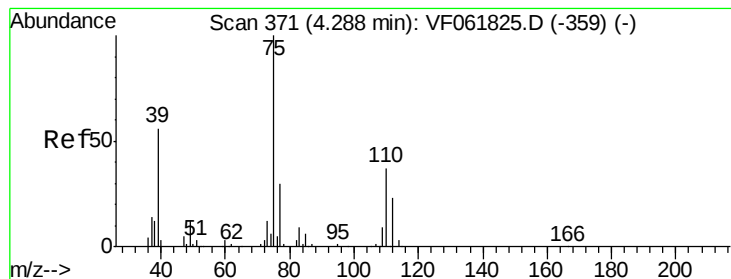


Abundance Ion 113.00 (112.70 to 113.70): V

Ion 111.00 (110.70 to 111.70): V

Ion 192.00 (191.70 to 192.70): V





#36

1,1-Dichloropropene

Concen: 1.698 ug/l

RT: 4.11 min Scan# 353

Delta R.T. -0.18 min

Lab File: VF061872.D

Acq: 8 Mar 2019 19:44

Instrument :

MSVOA\_F

ClientSampled :

TP-8

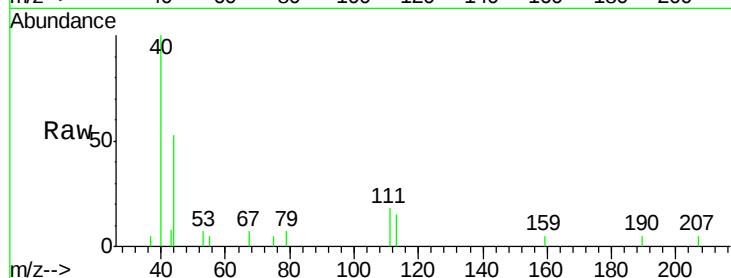
Tot Ion: 75 Resp: 69

Ion Ratio Lower Upper

75 100

110 0.0 18.6 55.6#

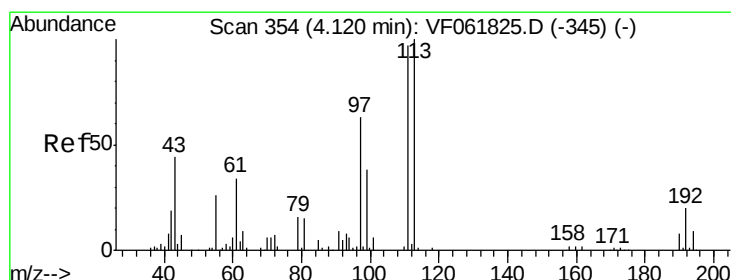
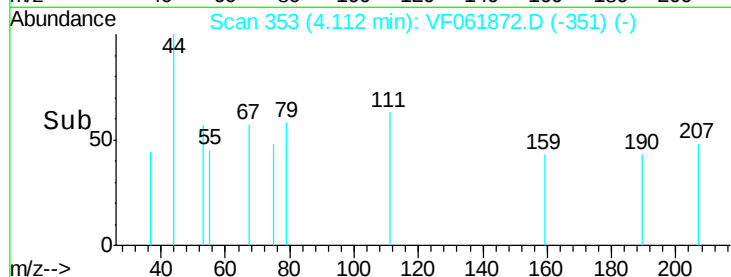
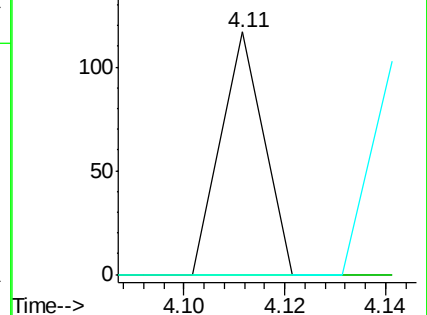
77 0.0 24.2 36.2#



Abundance Ion 75.00 (74.70 to 75.70): VF0

Ion 110.00 (109.70 to 110.70): VF0

Ion 77.00 (76.70 to 77.70): VF0



#37

Ethyl Acetate

Concen: 12.549 ug/l

RT: 4.09 min Scan# 351

Delta R.T. -0.03 min

Lab File: VF061872.D

Acq: 8 Mar 2019 19:44

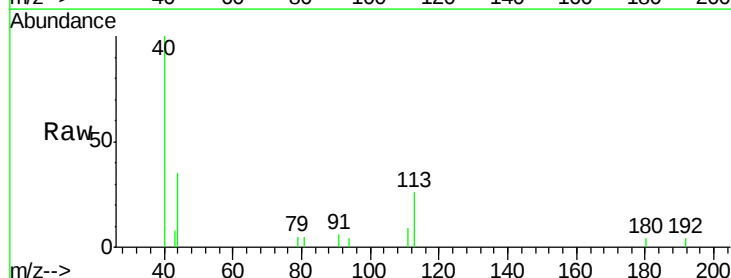
Tgt Ion: 43 Resp: 214

Ion Ratio Lower Upper

43 100

61 0.0 60.7 91.1#

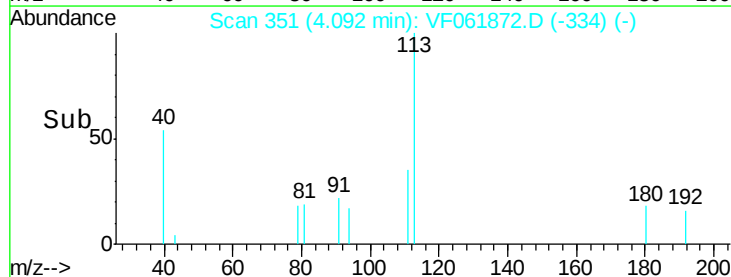
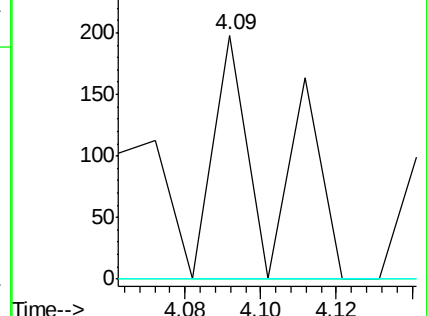
70 0.0 10.6 15.8#

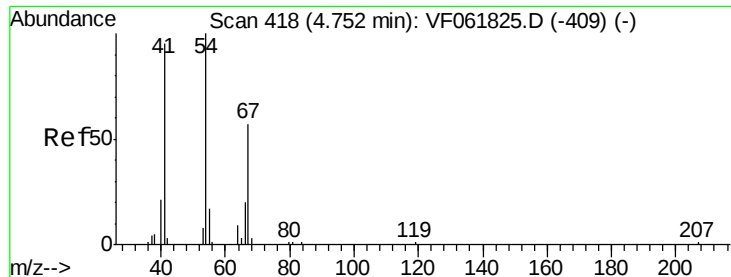


Abundance Ion 43.00 (42.70 to 43.70): VF0

Ion 61.00 (60.70 to 61.70): VF0

Ion 70.00 (69.70 to 70.70): VF0





#41

Methacrylonitrile

Concen: 9.847 ug/l

RT: 4.75 min Scan# 418

Delta R.T. 0.00 min

Lab File: VF061872.D

Acq: 8 Mar 2019 19:44

Instrument :

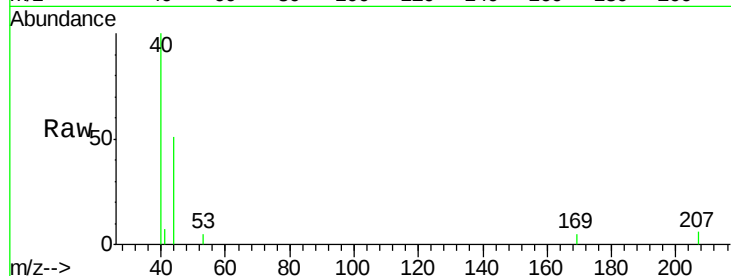
MSVOA\_F

ClientSampleId :

TP-8

Tot Ion: 41 Resp: 92

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 41  | 100   |       |       |
| 39  | 0.0   | 43.0  | 64.6# |
| 67  | 0.0   | 47.8  | 71.8# |
| 52  | 0.0   | 40.5  | 60.7# |

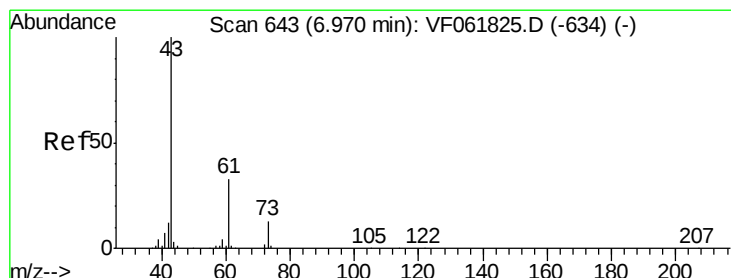
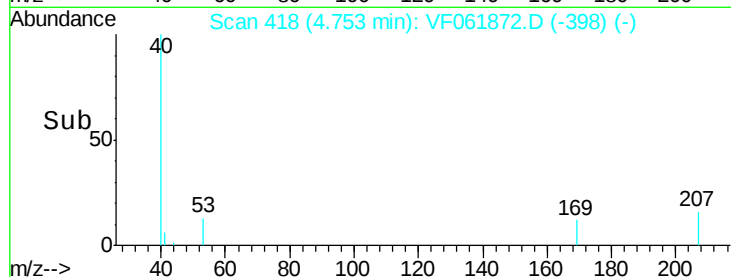
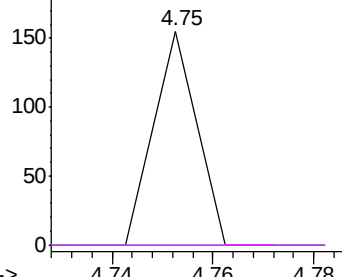


Abundance Ion 41.00 (40.70 to 41.70): VF0

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



#43

Isopropyl Acetate

Concen: 6.708 ug/l

RT: 6.95 min Scan# 641

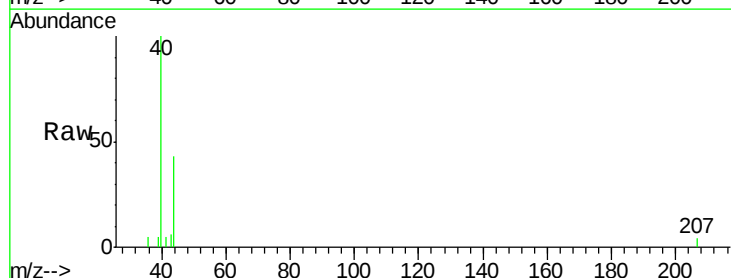
Delta R.T. -0.02 min

Lab File: VF061872.D

Acq: 8 Mar 2019 19:44

Tgt Ion: 43 Resp: 141

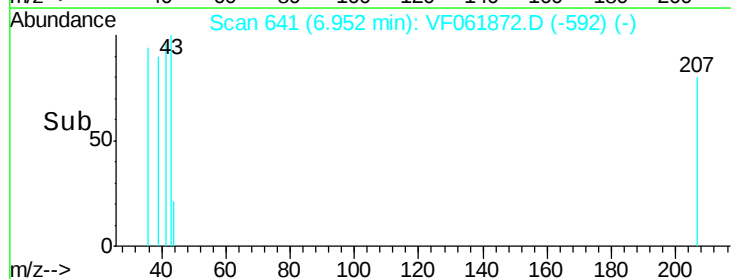
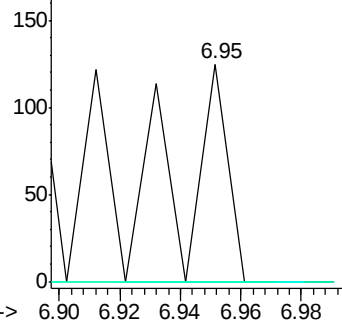
| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 43  | 100   |       |       |
| 61  | 0.0   | 26.1  | 39.1# |
| 87  | 0.0   | 0.0   | 0.0   |

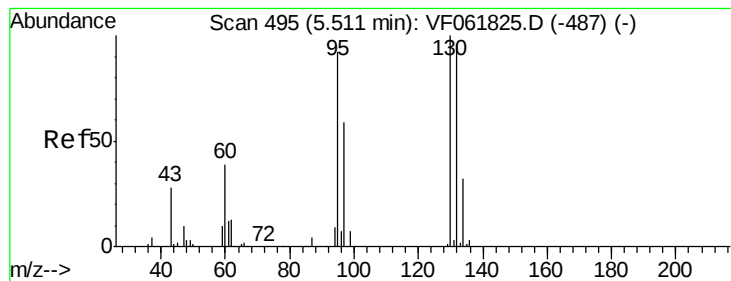


Abundance Ion 43.00 (42.70 to 43.70): VF0

Ion 61.00 (60.70 to 61.70): VF0

Ion 87.00 (86.70 to 87.70): VF0





#44

Trichloroethene

Concen: 1.818 ug/l

RT: 5.58 min Scan# 502

Delta R.T. 0.07 min

Lab File: VF061872.D

Acq: 8 Mar 2019 19:44

Instrument :

MSVOA\_F

ClientSampleId :

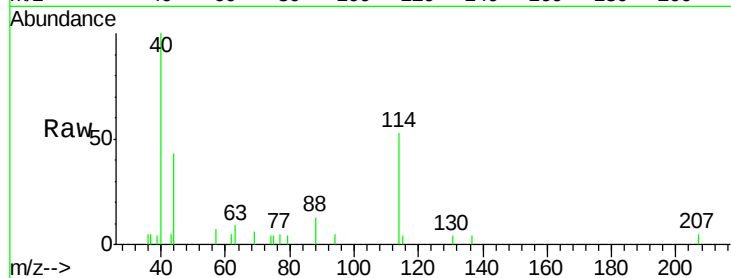
TP-8

Tot Ion:130 Resp: 60

Ion Ratio Lower Upper

130 100

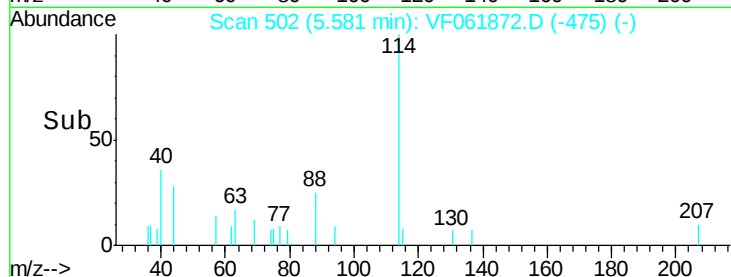
95 0.0 0.0 184.0



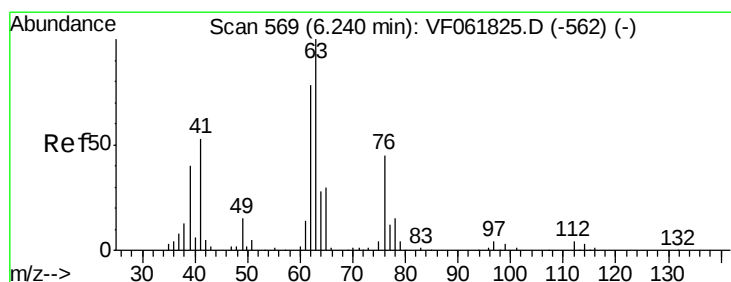
Abundance Ion 129.90 (129.60 to 130.60): VF0

Ion 94.90 (94.60 to 95.60): VF0

5.58



Time-->



#45

1,2-Dichloropropane

Concen: 2.812 ug/l

RT: 6.22 min Scan# 567

Delta R.T. -0.02 min

Lab File: VF061872.D

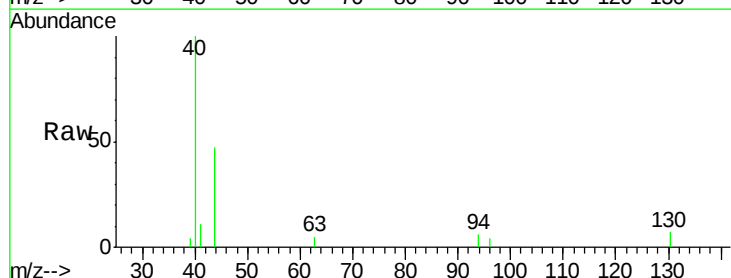
Acq: 8 Mar 2019 19:44

Tgt Ion: 63 Resp: 71

Ion Ratio Lower Upper

63 100

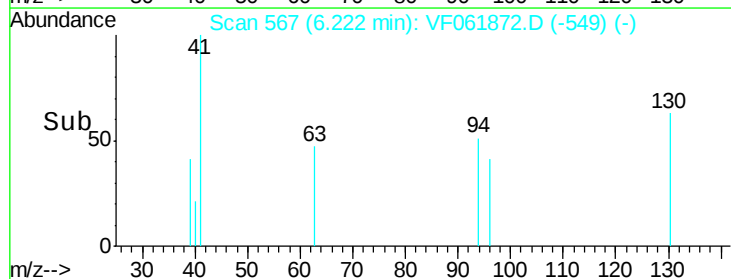
65 0.0 24.0 36.0#



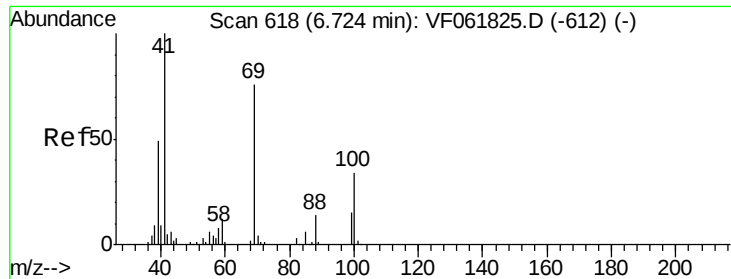
Abundance Ion 63.00 (62.70 to 63.70): VF0

Ion 65.00 (64.70 to 65.70): VF0

6.22



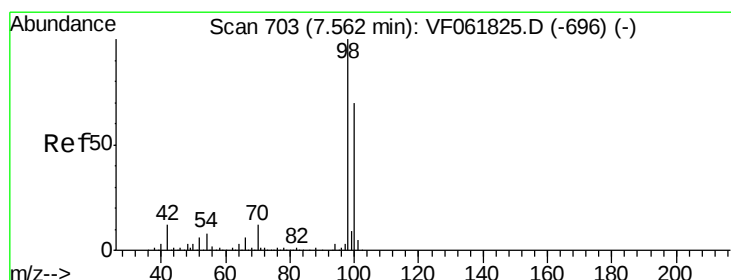
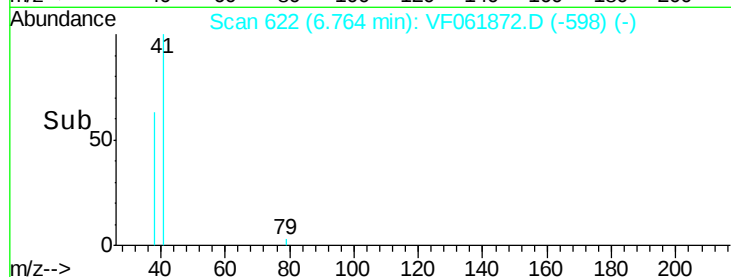
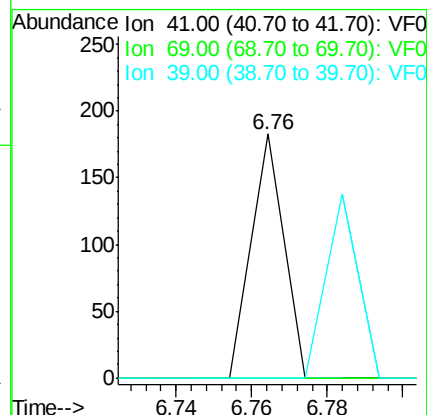
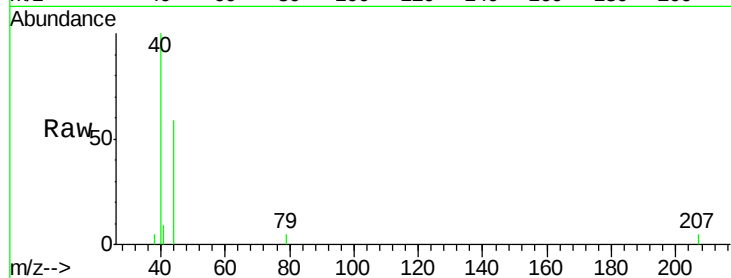
Time-->



#48  
Methyl methacrylate  
Concen: 8.118 ug/l  
RT: 6.76 min Scan# 622  
Delta R.T. 0.04 min  
Lab File: VF061872.D  
Acq: 8 Mar 2019 19:44

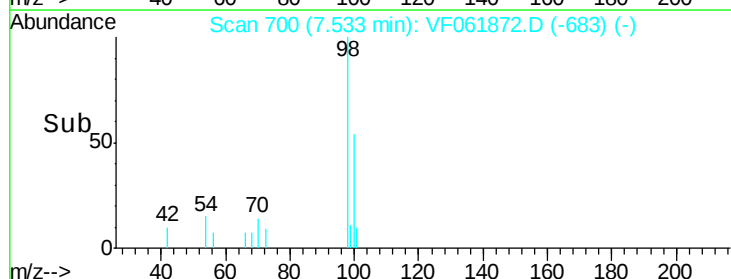
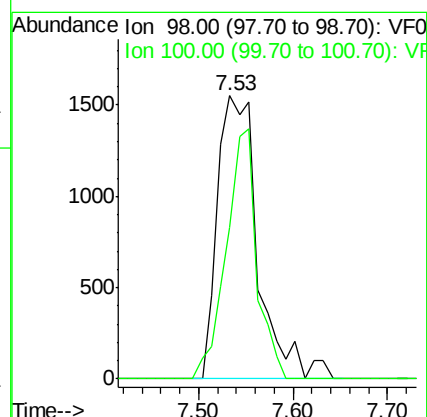
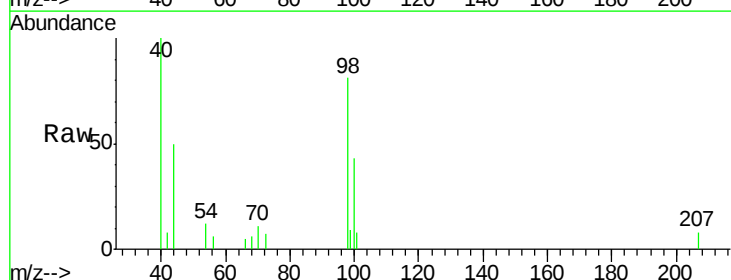
Instrument :  
MSVOA\_F  
ClientSampleId :  
TP-8

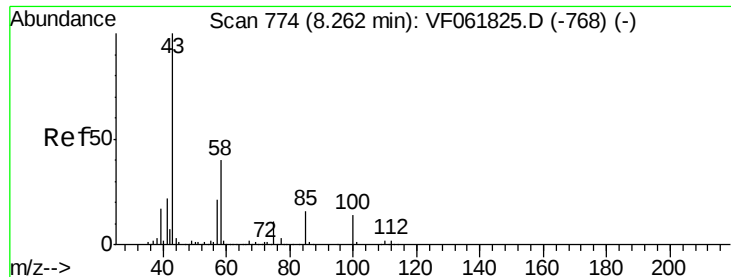
Tot Ion: 41 Resp: 108  
Ion Ratio Lower Upper  
41 100  
69 0.0 60.4 90.6#  
39 0.0 39.7 59.5#



#50  
Toluene-d8  
Concen: 51.920 ug/l  
RT: 7.53 min Scan# 700  
Delta R.T. -0.03 min  
Lab File: VF061872.D  
Acq: 8 Mar 2019 19:44

Tgt Ion: 98 Resp: 4632  
Ion Ratio Lower Upper  
98 100  
100 53.5 56.0 84.0#





#51

4-Methyl-2-Pentanone

Concen: 20.925 ug/l

RT: 8.22 min Scan# 770

Delta R.T. -0.04 min

Lab File: VF061872.D

Acq: 8 Mar 2019 19:44

Instrument :

MSVOA\_F

ClientSampled :

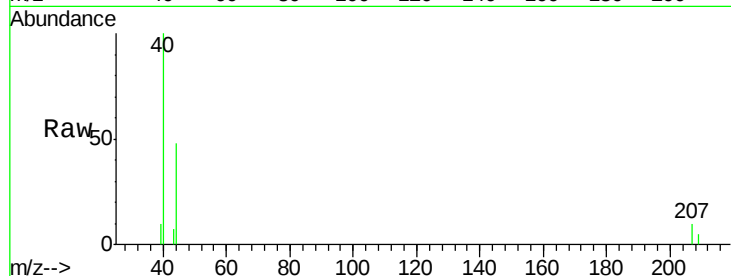
TP-8

Tot Ion: 43 Resp: 304

Ion Ratio Lower Upper

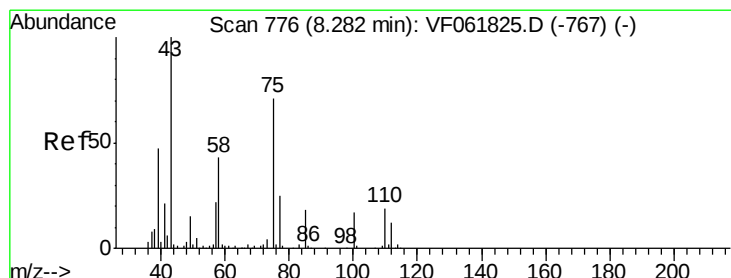
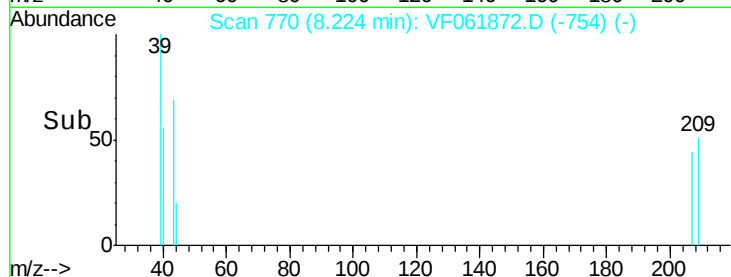
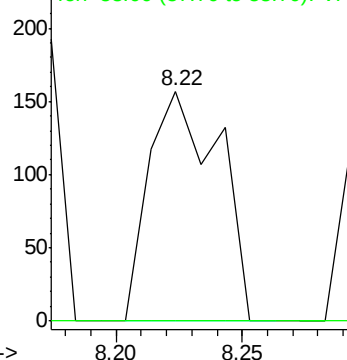
43 100

58 0.0 31.8 47.8#



Abundance Ion 43.00 (42.70 to 43.70): VF0

Ion 58.00 (57.70 to 58.70): VF0



#53

t-1,3-Dichloropropene

Concen: 2.312 ug/l

RT: 8.16 min Scan# 764

Delta R.T. -0.12 min

Lab File: VF061872.D

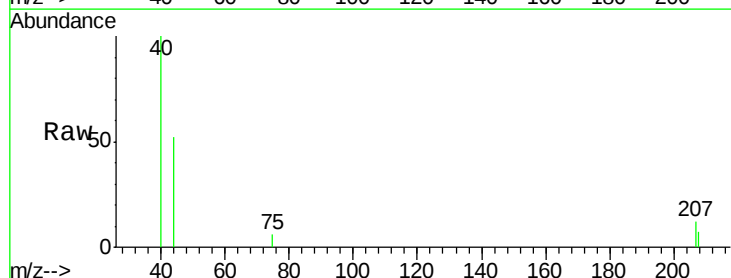
Acq: 8 Mar 2019 19:44

Tgt Ion: 75 Resp: 67

Ion Ratio Lower Upper

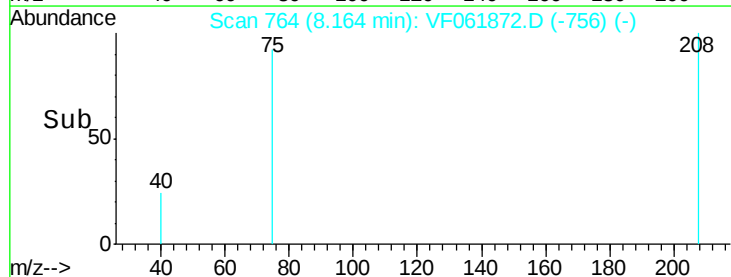
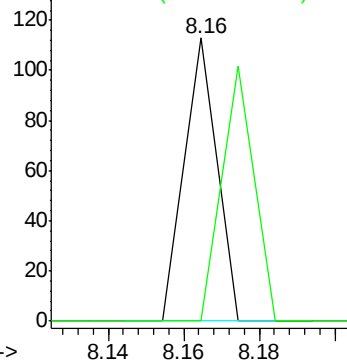
75 100

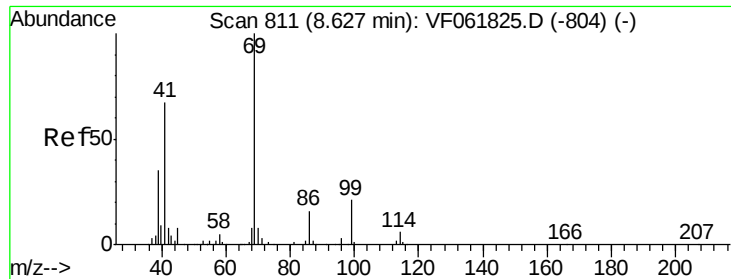
77 0.0 28.0 42.0#



Abundance Ion 75.00 (74.70 to 75.70): VF0

Ion 77.00 (76.70 to 77.70): VF0





#56

Ethyl methacrylate

Concen: 3.431 ug/l

RT: 8.55 min Scan# 803

Delta R.T. -0.08 min

Lab File: VF061872.D

Acq: 8 Mar 2019 19:44

Instrument :

MSVOA\_F

ClientSampled :

TP-8

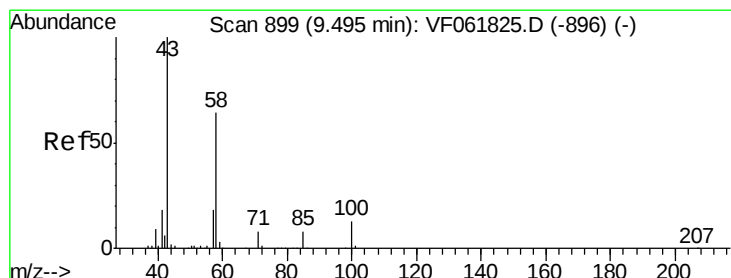
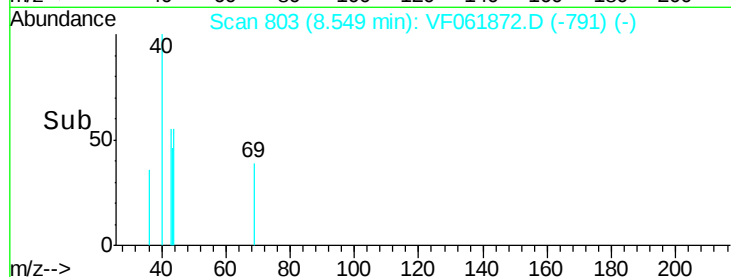
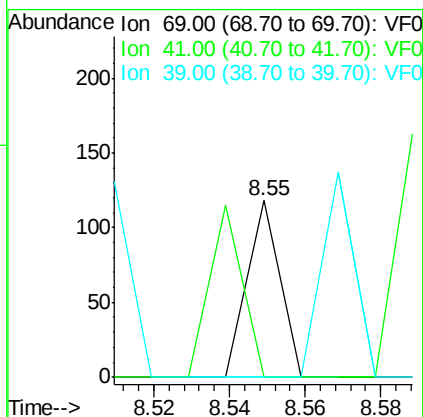
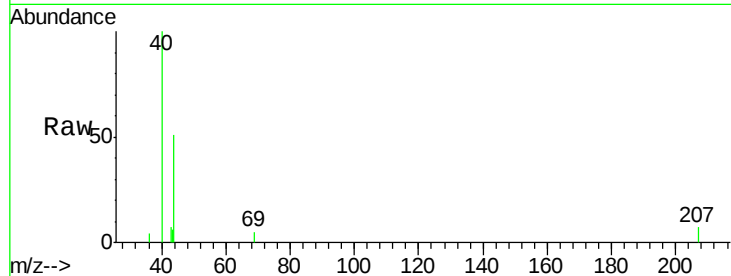
Tot Ion: 69 Resp: 70

Ion Ratio Lower Upper

69 100

41 0.0 53.9 80.9#

39 0.0 28.3 42.5#



#59

2-Hexanone

Concen: 5.916 ug/l

RT: 9.50 min Scan# 899

Delta R.T. 0.00 min

Lab File: VF061872.D

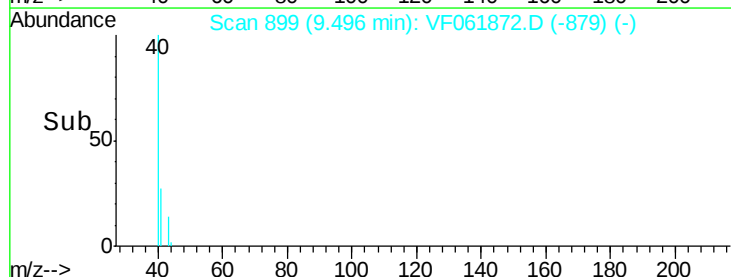
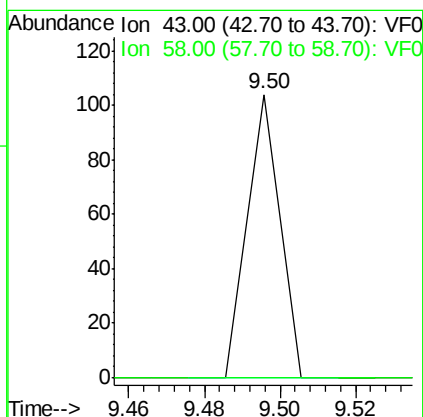
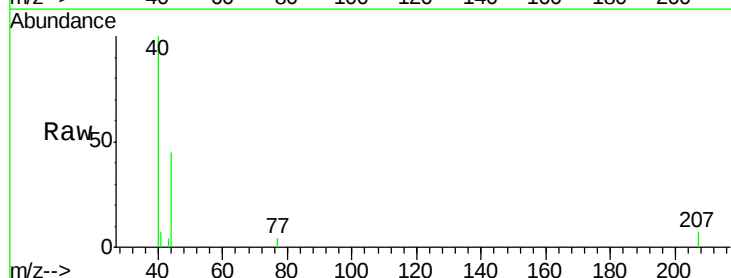
Acq: 8 Mar 2019 19:44

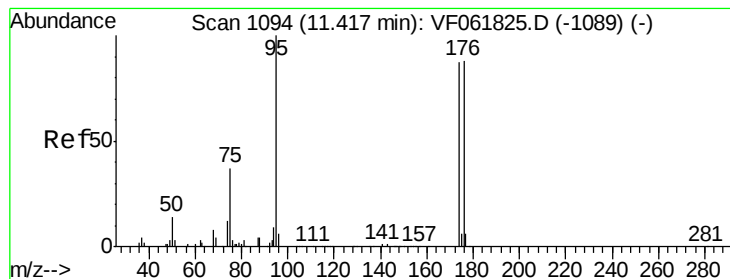
Tgt Ion: 43 Resp: 62

Ion Ratio Lower Upper

43 100

58 0.0 28.8 86.4#





#62

4-Bromofluorobenzene

Concen: 40.089 ug/l

RT: 11.41 min Scan# 1093

Delta R.T. -0.01 min

Lab File: VF061872.D

Acq: 8 Mar 2019 19:44

Instrument :

MSVOA\_F

ClientSampleId :

TP-8

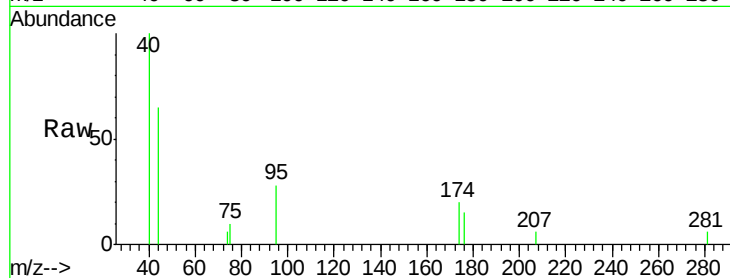
Tot Ion: 95 Resp: 1401

Ion Ratio Lower Upper

95 100

174 73.5 0.0 174.0

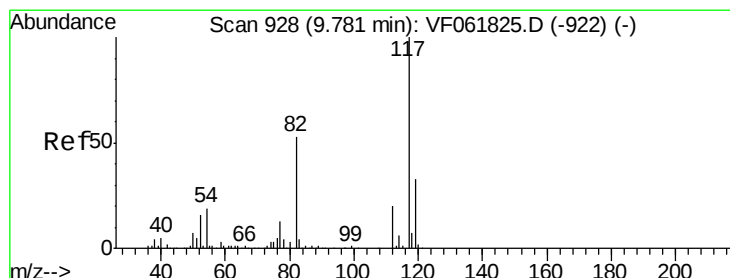
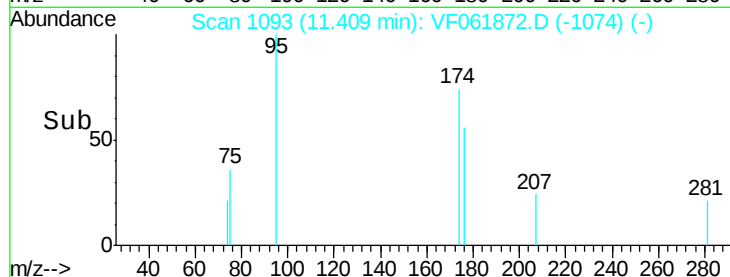
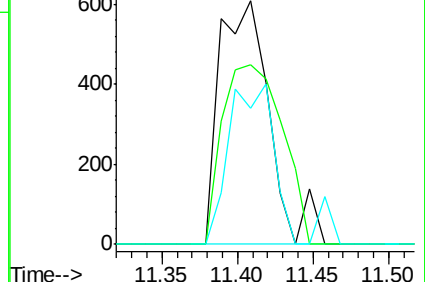
176 55.9 0.0 175.2



Abundance Ion 95.00 (94.70 to 95.70): VF0

Ion 174.00 (173.70 to 174.70): VF0

Ion 176.00 (175.70 to 176.70): VF0



#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 9.76 min Scan# 926

Delta R.T. -0.02 min

Lab File: VF061872.D

Acq: 8 Mar 2019 19:44

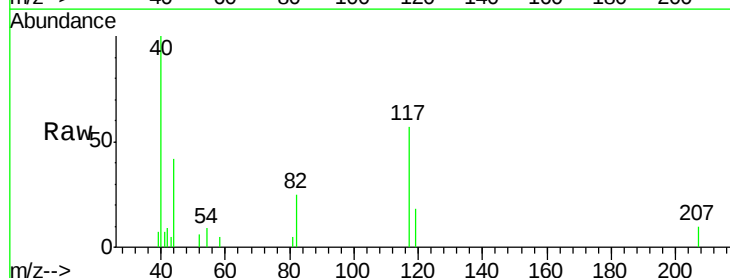
Tgt Ion: 117 Resp: 2318

Ion Ratio Lower Upper

117 100

82 44.3 42.6 63.8

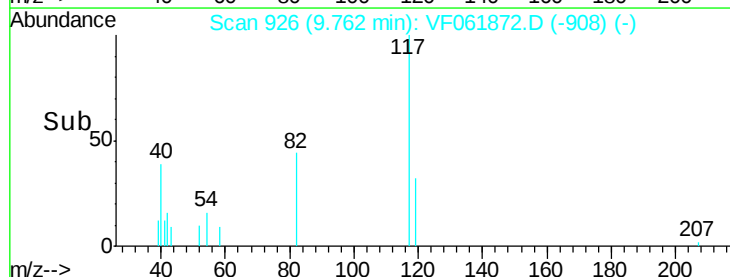
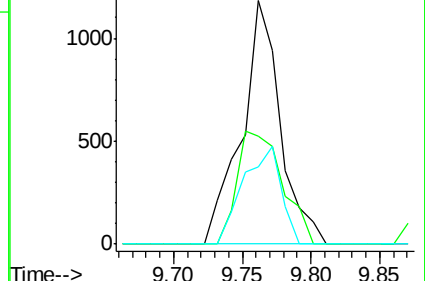
119 31.5 26.0 39.0

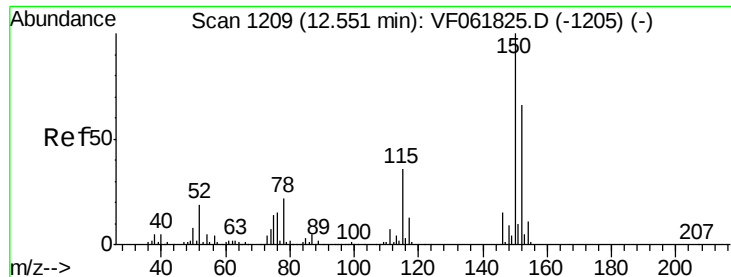


Abundance Ion 117.00 (116.70 to 117.70): VF0

Ion 82.00 (81.70 to 82.70): VF0

Ion 119.00 (118.70 to 119.70): VF0



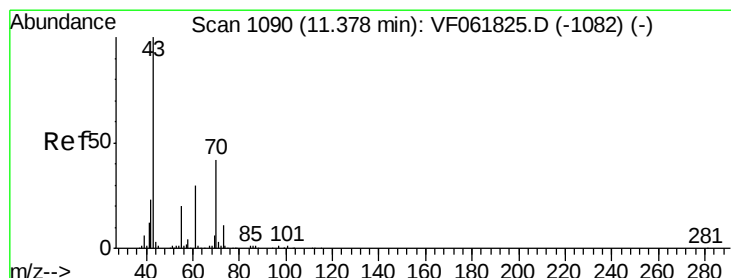
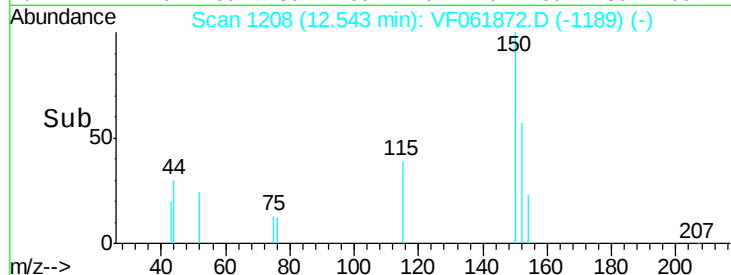
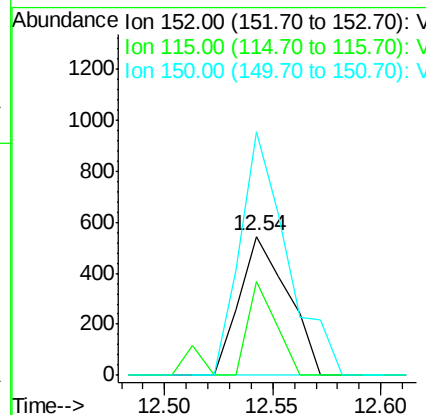
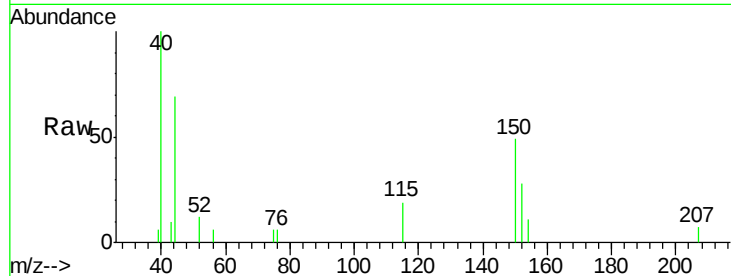


#72

1,4-Dichlorobenzene-d4  
Concen: 50.000 ug/l  
RT: 12.54 min Scan# 1208  
Delta R.T. -0.01 min  
Lab File: VF061872.D  
Acq: 8 Mar 2019 19:44

Instrument :  
MSVOA\_F  
ClientSampled :  
TP-8

Tot Ion:152 Resp: 847  
Ion Ratio Lower Upper  
152 100  
115 67.5 27.7 83.1  
150 175.2 0.0 304.2



#74

N-ethyl acetate  
Concen: 6.779 ug/l  
RT: 11.37 min Scan# 1089  
Delta R.T. -0.01 min  
Lab File: VF061872.D  
Acq: 8 Mar 2019 19:44

Tgt Ion: 43 Resp: 91  
Ion Ratio Lower Upper  
43 100  
70 0.0 33.4 50.0#  
55 0.0 16.3 24.5#  
61 0.0 24.0 36.0#

